



**HOSE, COUPLINGS + EQUIPMENT**

**2012 HYDRAULIC CATALOG**

TYPE	DESCRIPTION (EXAMPLE)	PAGE	TYPE	DESCRIPTION (EXAMPLE)	PAGE
Standard Packaging		x	J2AT 2-Wire Braid Jack Hose—MegaTuff®		
Order Requirements		xi	Cover—10,000 Static Pressure Only	4J2AT-MTFXREEL	A46
<b>Introduction</b>			G1 1-Wire Braid Hose—SAE 100R1 Type AT	3G1XBALE	A47
Service & Shelf Life, Warnings/Cautions		A1-2	G1H 1-Wire Braid Hose—High-Temp—SAE 100R1 Type AT	4G1HXREEL	A48
Background & Product Data		A3-12	RFS Red Fire Suppressant Hose	3RFSXREEL	A48
<b>Hose Products &amp; Specification Tables</b>			MegaTech® II—SAE 100R2 Type AT—ACP Carton Pack	20ACP MEGATECHIIIXCTN	A49
G8K Spiral Wire Hose	12G8KXCTN	A23	MegaTech® 3000 High-Temp Oil/Air Return	4MEGATECH 3000XREEL	A49
EFG6K Spiral Wire Hose—SAE 100R15	6EFG6KXCTN	A23	MegaTech® 1000 High-Temp Oil/Air Return	4MEGATECH 1000XREEL	A50
EFG6K Spiral Wire Hose—MegaTuff® Cover	6EFG6K-MTFXCTN	A24	MegaTech® 500 High-Temp Oil/Air Return	24MEGATECH 500XCTN	A50
EFG5K Spiral Wire Hose—SAE 100R13	6EFG5KXCTN	A25	MegaTech® 250 High-Temp Transmission Oil Cooler (TOC) Hose	4MEGATECH 250XREEL	A51
EFG5K Spiral Wire Hose—MegaTuff® Cover	6EFG5K-MTFXCTN	A26	MegaTech® G5TB Extreme Heat Oil/Air Return	4MEGATECH G5TBXREEL	A51
EFG4K Spiral Wire Hose—SAE 100R12	6EFG4KXCTN	A27	M500 Wire Braid Hose	4M500XREEL	A52
EFG4K Spiral Wire Hose—MegaTuff® Cover	6EFG4K-MTFXCTN	A28	M500 XtraTuff™ Wire Braid Hose	4M500-XTFXREEL	A52
EFG3K Spiral Wire Hose—SAE 100R12	20EFG3KXCTN	A29	TR500 High-Temp/Air Brake/Engine Hose	4TR500XREEL	A53
EFG3K Spiral Wire Hose—MegaTuff® Cover	20EFG3K-MTFXCTN	A30	G3H High-Temp 2-Fiber Braid Hose—SAE 100R3	4G3HXCTN	A53
Hot Oilier 2-Wire Braid Hose	24HOXCTN	A30	GTH High-Temp 1-Fiber Braid Hose—SAE 100R6	3GTHXCTN	A54
M-XP™ Million Impulse Xtra Performance Wire Braid Hose	4M-XPXREEL	A31	GTHX High-Temp Fiber Spiral Hose—SAE 100R6	6GTHXREEL	A54
Global M6K Mega6000™ Hose	4M6KXREEL	A31	GMV Global MegaVac® Return Line and Suction Hose	12GMVXCTN	A55
Global M5K Mega5000™ Hose	4M5KXREEL	A32	G4H MegaVac® Return Line and Suction Hose	12G4HXCTN	A55
Global M5K Mega5000™ Hose—MegaTuff® Cover	4M5K-MTFXREEL	A32	RLA 1-Fiber Braid Return Line and Low Pressure Hose	3RLAXREEL	A56
Global M5K Mega5000™ Hose—XtraTuff™ Cover	4M5K-XTFXREEL	A33	RLC 3-Fiber Braid Return Line and Low Pressure Hose	16RLCXCTN	A56
Global M4K Mega4000™ Hose—SAE 100R19	4M4KXBALE	A33	MegaTech® LOC 1-Fiber Braid High-Temp Lock-On Hose	4MEGATECHLOCXREEL	A57
Global M4K Mega4000™ Hose—MegaTuff® Cover	4M4K-MTFXREEL	A34	LOC 1-Fiber Braid Lock-On Hose	4LOCXREEL	A57
Global M4K Mega4000™ Hose—XtraTuff™ Cover	4M4K-XTFXREEL	A34	LOL Plus Lock-On Hose	3LOLAXREEL*	A58
M4KH Wire Braid Hose—High-Temp—SAE 100R19	4M4KHREEL	A35	C5C Hydraulic Hose—SAE 100R5	4C5CXREEL	A59
M4KH Wire Braid Hose—High-Temp—MegaTuff® Cover	4M4KH-MTFXREEL	A35	C5D High-Temp Multi-Fluid Hose	4C5DXREEL	A60
Global M3K Mega3000® Hose—SAE 100R17	3M3KXREEL	A36	C5M Marine Fuel Line Hose	5C5MXREEL	A60
Global M3K Mega3000® Hose—MegaTuff® Cover	4M3K-MTFXBALE	A37	C5E High-Temp Flexline Hose	4C5EXREEL	A61
Global M3K Mega3000® Hose—XtraTuff™ Cover	3M3K-XTFXREEL	A38	Nylon Air Brake Tubing	2NABTAXLG REEL	A62
M3KH Wire Braid Hose—High-Temp—SAE 100R17	4M3KHREEL	A39	C14 PTFE Hose—SAE 100R14 Type A—Nonconductive	4C14XCTN	A63
M3KH Wire Braid Hose—High-Temp—MegaTuff® Cover	4M3KH-MTFXREEL	A39	C14CT PTFE Hose—SAE 100R14 Type B—Conductive	6C14CTXCTN*	A63
M2T® MegaFlex® 2-Wire Braid Hose—SAE 100R16	4M2TXBALE	A40	TH8 Hydraulic Hose—SAE 100R8	3TH8XCTN	A64
M2T® MegaFlex® 2-Wire Braid Hose—MegaTuff® Cover	4M2T-MTFXBALE	A41	TH8NC Non Conductive Hydraulic Hose—SAE 100R8	4TH8NCXCTN	A64
M2T® MegaFlex® 2-Wire Braid Hose—XtraTuff™	4M2T-XTFXREEL	A42	TH7 Hydraulic Hose—SAE 100R7	2TH7XCTN	A65
CM2T MegaFlex® Connected Twin-Line 2-Wire Braid—SAE 100R16	6CM2TDL-XTFXCTN	A42	TH7NC Non Conductive Hydraulic Hose—SAE 100R7	2TH7NCXCTN	A66
Global G2 2-Wire Braid Hose—SAE 100R2 Type AT	3G2XREEL	A43	TH7DL Dual Line Hydraulic Hose—SAE 100R7	4TH7DLXCTN	A67
G2XH 2-Wire Braid Extreme Heat Hose—SAE 100R2	4G2HXREEL	A44	TH7NCDL Non Conductive Dual Line Hydraulic Hose—SAE 100R7	4TH7NCDLXCTN	A67
Global G2H High-Temp 2-Wire Braid Hose	20G2HXCTN	A44	TH18 Constant Pressure Non Conductive Hydraulic Hose—SAE 100R18	4TH18XCTN	A68
Global G2H High-Temp—MegaTuff® Cover	20G2H-MTFXCTN	A45	TH18NC Constant Pressure Non Conductive Hydraulic Hose—SAE 100R18	4TH18NCXCTN	A68
Global G2L PolarFlex® Hose—SAE 100R2 Type AT	4G2LXREEL	A45	PolarSeal® Hose	6AC134AXREEL	A69
J2AT 2-Wire Braid Jack Hose—10,000 Static Pressure Only	4J2ATXREEL	A46	PolarSeal® II Hose	6ACC-PSIIXREEL	A69

**Equipment**

**Hose/Cplg. Selection**

B1

C1





TYPE	DESCRIPTION (EXAMPLE)	PAGE	TYPE	DESCRIPTION (EXAMPLE)	PAGE
<b>G8K Couplings</b>			<b>G8K Couplings</b>		
G8K Couplings			Code 62 O-Ring Flange Heavy - 60° Bent Tube	12GS-12FLH60M	E26
Caterpillar Style O-Ring Flange	12G8K-12FLC	D1	Code 62 O-Ring Flange Heavy - 67½° Bent Tube	16GS-16FLH67M	E26
Caterpillar Style O-Ring Flange - 45° Bent Tube	12G8K-12FLC45-034	D1	Code 62 O-Ring Flange Heavy - 90° Bent Tube	8GS-8FLH90-080	E27
Caterpillar Style O-Ring Flange - 90° Bent Tube	12G8K-12FLC90-070	D2	Code 62 O-Ring Flange Heavy - 110° Bent Tube	12GS-12FLH110-064	E28
G8K Ferrule for G8K Spiral Hose	12G8K1F	D2	Caterpillar Style O-Ring Flange	12GS-12FLC	E28
<b>GlobalSpiral Couplings</b>			Caterpillar Style O-Ring Flange - 22½° Bent Tube	12GS-12FLC22-016	E29
<b>GlobalSpiral™ Couplings</b>			Caterpillar Style O-Ring Flange - 30° Bent Tube	12GS-12FLC30-022	E29
Male Pipe (NPTF - 30° Cone Seat)	6GS-6MP	E1	Caterpillar Style O-Ring Flange - 45° Bent Tube	12GS-12FLC45-035	E30
Male Pipe (NPTF - 30° Cone Seat) - API Threads	20GS-20MPAPI	E1	Caterpillar Style O-Ring Flange - 60° Bent Tube	12GS-16FLC60-048	E30
Male Pipe (NPTF - 30° Cone Seat) - Long Hex	16GS-16MPLH	E2	Caterpillar Style O-Ring Flange - 67½° Bent Tube	16GS-16FLC67-057	E31
Male O-Ring Boss	6GS-6MB	E2	Caterpillar Style O-Ring Flange - 90° Bent Tube	12GS-12FLC90-068	E32
Female MegaSeal® Swivel	12GS-12FMX	E3	Hose Length Extender	8GS-8HLE	E32
Female MegaSeal® Swivel - 45° Bent Tube	12GS-12FMX45-032	E3	Hose Length Extender - 45° Bent Tube	20GS-20HLE45-103	E33
Female MegaSeal® Swivel - 90° Bent Tube	12GS-12FMX90-048	E4	Hose Length Extender - 90° Bent Tube	8GS-8HLE90-086	E33
Male JIC 37° Flare	6GS-6MJ	E4	Hose Length Extender Caterpillar	12GS-12HLEC	E34
Female JIC 37° Flare Swivel	6GS-6FJX	E5	Male DIN 24° Cone - Light Series	6GS-12MDL	E34
Female JIC 37° Flare Swivel - 30° Bent Tube	16GS-16FJX30M	E6	Female DIN 24° Cone Swivel - Light Series with O-Ring	6GS-12FDLORX	E35
Female JIC 37° Flare Swivel - 45° Bent Tube	6GS-6FJX45S	E6	Female DIN 24° Cone Swivel - Light Series with O-Ring - 45° Bent Tube	8GS-15FDLORX45	E35
Female JIC 37° Flare Swivel - 60° Bent Tube	12GS-12FJX60-043	E7	Female DIN 24° Cone Swivel - Light Series with O-Ring - 90° Bent Tube	6GS-12FDLORX90	E36
Female JIC 37° Flare Swivel - 90° Bent Tube	6GS-6FJX90L	E7	Male DIN 24° Cone - Heavy Series	6GS-12MDH	E36
Male Flat-Face O-Ring	6GS-6MFFOR	E8	Female DIN 24° Cone Swivel - Heavy Series with O-Ring	6GS-10FDHORX	E37
Female Flat-Face O-Ring Swivel	6GS-6FFORX	E9	Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube	6GS-12FDHORX45	E38
Female Flat-Face O-Ring Swivel - 22½° Bent Tube	16GS-16FFORX22-011	E9	Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube	6GS-12FDHORX90	E38
Female Flat-Face O-Ring Swivel - 30° Bent Tube	16GS-16FFORX30-14	E10	Male Kobelco Style	12GS-22MKB	E39
Female Flat-Face O-Ring Swivel - 45° Bent Tube	6GS-6FFORX45S	E10	Male British Standard Pipe Tapered	24GSP-24MBSPT	E39
Female Flat-Face O-Ring Swivel - 90° Bent Tube	6GS-6FFORX90L	E11	Male British Standard Pipe Parallel	6GS-6MBSPP	E40
Female Flat-Face O-Ring Swivel - 135° Bent Tube	12GS-16FFORX135	E12	Female British Standard Parallel Pipe O-Ring Swivel	6GS-6FBSPORX	E40
Code 61 Flange Without O-Ring Groove	24GSP-24FLFF	E12	Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube	6GS-6FBSPORX45M	E41
Code 61 O-Ring Flange	6GS-8FL	E13	Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube	6GS-6FBSPORX90M	E41
Code 61 O-Ring Flange Long Neck	12GS-12FLL	E14	Female British Standard Pipe Parallel O-Ring Swivel - 90° Block	12GS-12FBSPORX90BL	E42
Code 61 O-Ring Flange - 22½° Bent Tube	8GS-8FL22M	E14	Female British Flat Face Swivel	16GS-16FBFFX	E42
Code 61 O-Ring Flange - 30° Bent Tube	8GS-12FL30M	E15	Female French GAZ (Poclairin) 24° High Pressure Flange	8GS-17FPFL	E43
Code 61 O-Ring Flange - 45° Bent Tube	6GS-8FL45M	E15	Male French GAZ (Poclairin) 24° High Pressure Flange	8GS-17MPFL	E43
Code 61 O-Ring Flange - 60° Bent Tube	8GS-8FL60M	E16	Male French GAZ (Poclairin) 24° High Pressure Flange - 90° Bent Tube	10GS-21MPFL90	E44
Code 61 O-Ring Flange - 67½° Bent Tube	8GS-12FL67-032	E17	Male French GAZ	8GS-17MFG	E44
Code 61 O-Ring Flange - 90° Bent Tube	6GS-8FL90M	E18	Female French GAZ Swivel (Female Kobelco)	8GS-17FFGX	E45
Code 61 O-Ring Flange - 100° Bent Tube	12GS-16FL100-059	E19	Female French GAZ Swivel - 90° Bent Tube	10GS-21FFGX90	E45
Code 61 O-Ring Flange - 110° Bent Tube	12GS-12FL110-064	E20	Female Komatsu Style Japanese Metric Swivel	8GS-8FKX	E46
Code 61 O-Ring Flange - 120° Bent Tube	24GSP-24FL120-119	E20	Female Japanese Industrial Standard 30° Flare Swivel	12GS-12FJISX	E46
Code 61 O-Ring Flange - 125° Bent Tube	32GSP-32FL125-150	E21	GS Ferrule for Wire Braid Hose	6GS1F-1	E47
Code 61 O-Ring Flange - 135° Bent Tube	12GS-12FL135-070	E21	GSP Ferrule for Wire Braid Hose	24GSP1F-2	E47
Code 61 Komatsu Style O-Ring Flange	8GS-10FLK	E22	GS Ferrule for 4-Spiral Hose	6GS1F-4	E47
Code 61 Komatsu Style O-Ring Flange - 45° Bent Tube	10GS-10FLK45-026	E22	GSP Ferrule for 4-Spiral Hose	24GSP1F-4	E48
Code 61 Komatsu Style O-Ring Flange - 90° Bent Tube	10GS-10FLK90-055	E23			
Code 62 O-Ring Flange Heavy	8GS-8FLH	E23			
Code 62 O-Ring Flange Heavy - 22½° Bent Tube	12GS-16FLH22M	E24			
Code 62 O-Ring Flange Heavy - 30° Bent Tube	12GS-12FLH30M	E24			
Code 62 O-Ring Flange Heavy - 45° Bent Tube	8GS-8FLH45M	E25			



TYPE	DESCRIPTION (EXAMPLE)	PAGE	TYPE	DESCRIPTION (EXAMPLE)	PAGE
GS Ferrule for 6-Spiral Hose	20GS1F-6	E48	Female British Standard Parallel Pipe O-Ring Swivel	24GSH-24FBSPORX	E66
1¼" Special One-Piece Couplings - Male Pipe (NPTF - 30° Cone Seat)	20MGS-20MP	E49	Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube	24GSH-24FBSPORX45	E67
1¼" Special One-Piece Couplings - Male JIC 37° Flare	20MGS-20MJ	E49	Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube	24GSH-24FBSPORX90	E67
1¼" Special One-Piece Couplings - Female JIC 37° Flare Swivel	20MGS-20FJX	E50	Female DIN 24° Cone Swivel - Heavy Series with O-Ring	24GSH-38FDHORX	E68
1¼" Special One-Piece Couplings - Female JIC 37° Flare Swivel - 90° Bent Tube	20MGS-20FJX90M-078	E50	Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube	24GSH-38FDHORX45	E68
1¼" Special One-Piece Couplings - Female Flat-Face O-Ring Swivel	20MGS-20FFORX	E51	Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube	24GSH-38FDHORX90	E69
1¼" Special One-Piece Couplings - Female Flat-Face O-Ring Swivel - 90° Bent Tube	20MGS-20FFORX90M	E51	Male British Standard Pipe Parallel Hose Length Extender	24GSH-24MBSPP 32GSH-32HLE	E69 E70
1¼" Special One-Piece Couplings - Code 61 O-Ring Flange	20MGS-20FL	E52	Hose Length Extender for Caterpillar with Clamping Area	24GSH-24HLEC	E70
1¼" Special One-Piece Couplings - Code 61 O-Ring Flange - 45° Bent Tube	20MGS-20FL45S-032	E52			
1¼" Special One-Piece Couplings - Code 61 O-Ring Flange - 90° Bent Tube	20MGS-20FL90M-090	E53			
1¼" Special One-Piece Couplings - Code 62 O-Ring Flange	20MGS-20FLH	E53			
1¼" Special One-Piece Couplings - Male DIN 24° Cone - Heavy Series	20MGS-38MDH	E54			
1¼" Special One-Piece Couplings - Female DIN 24° Cone Swivel - Heavy Series with O-Ring	20MGS-38FDHORX	E54			
1¼" Special One-Piece Couplings - Female British Standard Pipe Parallel O-Ring Swivel	20MGS-20FBSPORX	E55			
<b>GlobalSpiral™ High Pressure Couplings</b>					
Male JIC 37° Flare	24GSH-24MJ	E56			
Male Pipe (NPTF - 30° Cone Seat)	24GSH-24MP	E56			
Male Pipe for API Unions	24GSH-24MPAPI	E56			
Female JIC 37° Flare Swivel	24GSH-24FJX	E57			
Female JIC 37° Flare Swivel - 45° Bent Tube	24GSH-24FJX45-034	E57			
Female JIC 37° Flare Swivel - 90° Bent Tube	24GSH-24FJX90M	E57			
Female Flat-Face Swivel	24GSH-24FFORX	E58			
Female Flat-Face Swivel - 45° Bent Tube	24GSH4K-24FFORX45-038	E58			
Female Flat-Face Swivel - 90° Bent Tube	24GSH4K-24FFORX90M	E58			
Code 61 O-Ring Flange	24GSH-24FL	E59			
Code 61 O-Ring Flange - 30° Bent Tube	24GSH-24FL30M	E59			
Code 61 O-Ring Flange - 45° Bent Tube	24GSH-24FL45M	E60			
Code 61 O-Ring Flange - 60° Bent Tube	24GSH-24FL60M	E60			
Code 61 O-Ring Flange - 90° Bent Tube	24GSH-24FL90S	E61			
Code 62 O-Ring Flange Heavy	24GSH-20FLH	E61			
Code 62 O-Ring Flange Heavy - 22° Bent Tube	24GSH-24FLH20-024	E62			
Code 62 O-Ring Flange Heavy - 30° Bent Tube	24GSH-24FLH30M	E62			
Code 62 O-Ring Flange Heavy - 45° Bent Tube	24GSH-24FLH45M	E62			
Code 62 O-Ring Flange Heavy - 60° Bent Tube	24GSH-24FLH60M	E63			
Code 62 O-Ring Flange Heavy - 90° Bent Tube	24GSH-24FLH90-094	E63			
Caterpillar Style O-Ring Flange	24GSH-24FLC	E64			
Caterpillar Style O-Ring Flange - 22° Bent Tube	24GSH-24FLC22-017	E64			
Caterpillar Style O-Ring Flange - 30° Bent Tube	24GSH-24FLC30-023	E64			
Caterpillar Style O-Ring Flange - 45° Bent Tube	24GSH-24FLC45-039	E65			
Caterpillar Style O-Ring Flange - 60° Bent Tube	24GSH-24FLC60-055	E65			
Caterpillar Style O-Ring Flange - 90° Bent Tube	24GSH-24FLC90-087	E66			
			<b>PCM/PCS Ferrules</b>		
			<b>Power Crimp® PCM &amp; PCS Ferrules</b>		
			PCM Skive Ferrules	10PCM-2F	F1
			PCM-G6K Ferrules	24PCM-G6K	F1
			PCS Non-Skive Ferrule	6PCS1F	F1
			PCS Skive Ferrule	6PCS-2F	F2
			<b>MegaCrimp Couplings</b>		
			<b>MegaCrimp® Couplings</b>		
			Male Pipe (NPTF - 30° Cone Seat)	4G-2MP	G1
			Male Pipe Long Nose	4G-4MPLN	G1
			Male Pipe Swivel (NPTF - Without 30° Cone Seat)	4G-2MPX	G2
			Male Pipe Swivel - 90° Block (NPTF - Without 30° Cone Seat)	4G-2MPX90	G3
			Male Pipe Swivel - 90° Long Block (NPTF - Without 30° Cone Seat)	6G-8MPX90L	G3
			Female Pipe (NPTF - Without 30° Cone Seat)	4G-2FP	G4
			Female Pipe Swivel (NPSM - 30° Cone Seat)	4G-4FPX	G4
			Male O-Ring Boss	4G-4MB	G5
			Male O-Ring Boss Swivel	4G-4MBX	G6
			Male O-Ring Boss Swivel - 45° Bent Tube	6G-6MBX45	G6
			Male O-Ring Boss Swivel - 45° Block	6G-6MBX45BL	G7
			Male O-Ring Boss Swivel - 90° Bent Tube	4G-6MBX90	G7
			Male O-Ring Boss Swivel - 90° Block	4G-5MBX90BL	G8
			Male JIC 37° Flare	4G-4MJ	G9
			Female JIC 37° Flare Swivel	4G-4FJX	G10
			Female JIC 37° Flare Swivel - 30° Bent Tube	10GE-12FJX30-018	G11
			Female JIC 37° Flare Swivel - 45° Bent Tube	4G-4FJX45S	G11
			Female JIC 37° Flare Swivel - 90° Bent Tube	4G-4FJX90L	G12
			Female JIC 37° Flare Swivel - 90° Block	12GE-16FJX90BL	G13
			Male SAE 45° Flare	4G-4MS	G13
			Female SAE 45° Flare Swivel	4G-4FSX	G14
			Female SAE 45° Flare Swivel - 45° Bent Tube	4G-4FSX45	G14
			Female SAE 45° Flare Swivel - 90° Bent Tube	4G-4FSX90	G15
			Male Quick-Lok® High	4G-4MQLH	G15
			Male Quick-Lok® High - 45° Bent Tube	4G-4MQLH45S-008	G16
			Male Quick-Lok® High - 90° Bent Tube	4G-4MQLH90L-039	G16
			Female Quick-Lok® High to Male O-Ring Boss Adapter	4FQLH-4MB	G17
			Male Flat-Face O-Ring Bulk Head Long Nose	6G-6MFFORBKHDLN	G17
			Male Flat-Face O-Ring	4G-4MFFOR	G18
			Female Flat-Face O-Ring Swivel	4G-4FFORX	G18





TYPE	DESCRIPTION (EXAMPLE)	PAGE
Female Flat-Face O-Ring Swivel - 30° Bent Tube	8G-10FFORX30-010	G19
Female Flat-Face O-Ring Swivel - 45° Bent Tube	4G-4FFORX45S	G20
Female Flat-Face O-Ring Swivel - 67½° Bent Tube	8GE-8FFORX67-022	G21
Female Flat-Face O-Ring Swivel - 90° Bent Tube	4G-4FFORX90L	G21
Code 61 O-Ring Flange	8G-8FL	G22
Code 61 O-Ring Flange - 22½° Bent Tube	12G-12FL22M	G23
Code 61 O-Ring Flange - 30° Bent Tube	12G-12FL30M	G23
Code 61 O-Ring Flange - 45° Bent Tube	8G-8FL45M	G24
Code 61 O-Ring Flange - 60° Bent Tube	12G-12FL60M	G24
Code 61 O-Ring Flange - 67½° Bent Tube	12G-12FL67M	G25
Code 61 O-Ring Flange - 90° Bent Tube	8G-8FL90M	G25
SAE Male Inverted Swivel	4G-3MIX	G26
SAE Male Inverted Swivel - 45° Bent Tube	4G-3MIX45-018	G26
SAE Male Inverted Swivel - 90° Bent Tube	4G-4MIX90	G27
SAE Male Flareless Assembly	4G-4MFA	G27
North American Stand Pipe	4G-4NASP	G28
Female Flareless Sleeve	4FFS	G28
Female Flareless Nut	4FFN	G29
Hose Length Extender	20G-20HLE	G29
Female Air Brake Swivel	6G-6FABX	G29
Female Grease	4G-8FG	G30
Female Parker Triple Thread Flare	16G-16FZX	G30
Pressure Wash Swivel	4G-6PWX	G30
International Thread British Std Pipe Banjo	4G-4BSPBJ	G31
International Thread Metric 7642 DIN Banjo	4G-12DBJ	G31
Male DIN 24° Cone - Light Series	4G-6MDL	G32
Female DIN 24° Cone Swivel - Light Series with O-Ring	4G-6FDLORX	G32
Female DIN 24° Cone Swivel - Light Series with O-Ring - 45° Bent Tube	4G-8FDLORX45	G33
Female DIN 24° Cone Swivel - Light Series with O-Ring - 90° Bent Tube	4G-6FDLORX90	G34
Female French GAZ Swivel	8G-17FFGX	G34
Male DIN 24° Cone - Heavy Series	4G-8MDH	G35
Female DIN 24° Cone Swivel - Heavy Series with O-Ring	4G-8FDHORX	G35
Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube	4G-8FDHORX45	G36
Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube	4G-8FDHORX90	G37
Metric Light Stand Pipe	4G-6MSP	G37
Metric Bite Sleeve	6BS	G38
Metric Bite Nut	6MNH	G38
Male British Standard Pipe Tapered/ Japanese Tapered Thread	4G-4MBSPT	G39
Male British Standard Parallel Pipe	4G-4MBSPP	G40
Female British Standard Parallel Pipe O-Ring Swivel	4G-2FBSPX	G40
Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube	4G-4FBSPORX45	G41
Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube	4G-4FBSPORX90	G42
Female British Standard Parallel Pipe O-Ring Swivel - 90° Block	4G-4FBSPORX90BL	G42
Female British Flat-Face Swivel	6G-6FBFFX	G43
Komatsu O-Ring Flange - Straight	8G-10FLK	G43
Komatsu O-Ring Flange - 45° Bent Tube	10G-10FLK45	G43
Komatsu O-Ring Flange - 90° Bent Tube	10G-10FLK90	G44
Female Komatsu Style Japanese Metric Swivel	4G-4FKX	G44
Female Komatsu Style Japanese Metric Swivel - 45° Bent Tube	4G-4FKX45	G45
Female Komatsu Style Japanese Metric Swivel - 90° Bent Tube	4G-4FKX90	G45

TYPE	DESCRIPTION (EXAMPLE)	PAGE
Female Japanese Industrial Standard Swivel	4G-4FJJSX	G46

**Stainless Steel**

**Stainless Steel Couplings**

Male Pipe (NPTF - 30° Cone Seat) "S" Series	6S-6MP-SS	H1
Female JIC 37° Flare Swivel "S" Series	6S-6FJX-SS	H1
Female Flat-Face O-Ring Swivel Metric Hex "S" Series	6S-6FFORX-SS	H2
Code 62 O-Ring Flange Heavy "S" Series	12S-12FLH-SS	H2
Code 61 O-Ring Flange "S" Series	12S-12FL-SS	H3
Non-Skive Ferrules "S" Series	6S1F-4SS	H3
Skive Ferrules "S" Series	24S2F-6SS	H4
Male Pipe (NPTF - 30° Cone Seat) "B" Series	4B-4MP-SS	H4
Female JIC 37° Flare Swivel "B" Series	6B-6FJX-SS	H5
Dual Seat Female JIC 37°/SAE 45° Flare Swivel "B" Series	4B-4FJJSX-SS	H5
Female JIC 37° Flare Swivel 45° Bent Tube "B" Series	6B-6FJX45S-SS	H6
Dual Seat Female JIC 37°/SAE 45° Flare Swivel 45° Bent Tube "B" Series	4B-4FJJSX45S-SS	H6
Female JIC 37° Flare Swivel 90° Bent Tube "B" Series	6B-6FJX90M-SS	H7
Dual Seat Female JIC 37°/SAE 45° Flare Swivel 90° Bent Tube "B" Series	4B-4FJJSX90M-SS	H7
Female Flat-Face O-Ring Swivel Metric Hex "B" Series	4B-4FFORX-SS	H8
Code 61 O-Ring Flange "B" Series	24B-24FL-SS	H8
Non-Skive Ferrule "B" Series	4B1F-1SS	H9

**Power Crimp Couplings**

**Power Crimp® Couplings**

Male Pipe (NPTF - 30° Cone Seat)	3-2MP	I1
Male Pipe Swivel (NPTF - Without 30° Cone Seat)	3-2MPX	I1
Female Pipe (NPTF - Without 30° Cone Seat)	3-2FP	I1
Male JIC 37° Flare	3-4MJ	I2
Female JIC 37° Flare Swivel	3-3FJX	I2
Female JIC 45° Flare Swivel	3C2-4FJX45S	I2
Female JIC 37° Flare Swivel - 90° Bent Tube	3C2-4FJX90S	I3
SAE Male Inverted Swivel	3C2-3MIX	I3
SAE Male Inverted Swivel - 45° Bent Tube	3C2-3MIX45S	I3
SAE Male Inverted Swivel - 90° Bent Tube	3C2-3MIX90S	I4
Female Braze-On Stems	3-4FBO	I4
Female DIN 24° Cone Swivel - Light Series	3C2-6FDLX	I5
Female DIN 24° Cone Swivel - Light Series - 90° Bent Tube	3C2-6FDLX90	I5
Male Special Grease Fitting	3-2MPG	I5
Power Crimp® Two Ferrules (Steel) - PC2F Series	3PC2F-2	I6
Power Crimp® One Non-Skive Ferrules (Steel) - PC1FS Series	3PC1FS	I7

**LOC, GL and GLP Couplings**

**Brass Field Attachable Couplings for Lock-On**

Male Pipe (NPTF - 30° Cone Seat)	4LOC-2RMP	J1
Male Pipe Swivel (NPTF - Without 30° Cone Seat)	4LOC-4RMPX	J1
Male Pipe - 90° Block (NPTF - Without 30° Cone Seat)	4LOC-2RMP90	J2
Female Pipe (NPTF - 30° Cone Seat)	4LOC-4RFP	J2
Female Pipe Swivel (NPTF - Without 30° Cone Seat)	4LOC-2RFPX	J3
Male JIC 37° Flare	4LOC-4RMJ	J3
Female JIC 37° Flare Swivel	4LOC-6RFJX	J4



TYPE	DESCRIPTION (EXAMPLE)	PAGE	TYPE	DESCRIPTION (EXAMPLE)	PAGE
Male SAE 45° Flare	4LOC-4RMS	J4	Hose Splicer with R134a Service Port - Aluminum	6ACA-R134SP	K10
Female SAE 45° Flare Swivel	4LOC-6RFSX	J5	Hose Splicer with R134a Service Port - Steel	6ACA-R134SP-S	K11
Dual Seat Female JIC 37°/SAE 45° Flare Swivel	4LOC-4RFJSX	J5	Male SAE Tube O-Ring Nut Swivel - Aluminum	6ACA-6MTON	K11
Male SAE Inverted Swivel	4LOC-3RMIX	J6	Male SAE Tube O-Ring Nut Swivel - Steel	6ACA-6MTON-S	K12
Female SAE Inverted Solid	4LOC-3RFI	J6	Male SAE Tube O-Ring Nut - 45° Bent Tube - Aluminum	6ACA-6MTON45	K12
Hose Mender	4LOC-4RHM	J7	Male SAE Tube O-Ring Nut - 90° Bent Tube - Aluminum	6ACA-6MTON90	K13
Flareless Tube Fitting (Compression Type)	4LOC-3RFT	J7	Male SAE Tube O-Ring Nut Swivel - Steel	6 MOR/LP-6 SB-90-STL	K13
<b>GLP Couplings</b>			Male SAE Tube O-Ring Nut Swivel with R134a Service Port - Aluminum	6ACA-6MTON134SP	K14
Male Pipe (NPTF - 30° Cone Seat)	10GLP1-8MP	J8	Male SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Aluminum	10ACA-10MTON134SP90	K14
Male JIC 37° Flare	4GLP1-4MJ	J8	Female SAE Tube O-Ring Nut Swivel - Aluminum	6ACA-5FTON*	K15
Female JIC 37° Flare Swivel	4GLP1-4FJX	J9	Female SAE Tube O-Ring Nut Swivel - Steel	6ACA-6FTON-S	K15
Female JIC 37° Flare Swivel - 45° Bent Tube	4GLP1-4FJX45S	J9	Female SAE Tube O-Ring Nut Swivel - 45° Bent Tube - Aluminum	6ACA-6FTON45	K16
Female JIC 37° Flare Swivel - 90° Bent Tube	4GLP1-4FJX90L	J10	Female SAE Tube O-Ring Nut Swivel - 45° Bent Tube - Steel	6ACA-6FTON45-S	K16
<b>GL Couplings</b>			Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Aluminum	6ACA-5FTON90*	K17
Male Pipe (NPTF - 30° Cone Seat)	12GL-12MP	J11	Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Steel	6ACA-6FTON90-S	K17
Male Pipe Swivel (NPTF - Without 30° Cone Seat)	12GL-12MPX	J11	Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Aluminum	6ACA-5FTON90*	K17
Female JIC 37° Flare Swivel	12GL-12FJX	J12	Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Steel	6ACA-6FTON90-S	K17
Female JIC 37° Flare Swivel - 45° Bent Tube	12GL-12FJX45S-021	J12	Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Steel	8ACA-8FTON90BL-S	K18
Female JIC 37° Flare Swivel - 90° Bent Tube	12GL-12FJX90S	J13	Female SAE Tube O-Ring Nut - 180° Bent Tube - Aluminum	6ACA-6FTON180	K18
Female Flat-Face Swivel	12GL-12FFORX	J13	Female SAE Tube O-Ring Nut Swivel with R12 Service Port - Aluminum	6ACA-6FTONR12SP	K19
Female Flat-Face Swivel - 45° Bent Tube	12GL-12FFORX45S	J14	Female SAE Tube O-Ring Nut Swivel with R12 Service Port - 90° Bent Tube - Aluminum	6ACA-6FTONR12SP90	K19
Female Flat-Face Swivel - 90° Bent Tube	12GL-12FFORX90M	J14	Female SAE Tube O-Ring Nut Swivel with R134a Service Port - Aluminum	6ACA-6FTON134SP	K20
Code 61 O-Ring Flange	12GL-12FL	J15	Female SAE Tube O-Ring Nut Swivel with R134a Service Port - Steel	8ACA-8FTON134SP-S	K20
Code 61 O-Ring Flange - 22° Bent Tube	24GL-24FL22M-018	J15	Female SAE Tube O-Ring Nut Swivel with R134a High Pressure Service Port - Aluminum	10ACA-10FTON134SPH	K21
Code 61 O-Ring Flange - 30° Bent Tube	12GL-12FL30M	J16	Female SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Aluminum	6ACA-6FTON134SP90	K21
Code 61 O-Ring Flange - 45° Bent Tube	12GL-12FL45M	J16	Female SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Steel	6ACA-6FTON134SP90-S	K22
Code 61 O-Ring Flange - 60° Bent Tube	12GL-12FL60M	J17	Female SAE Tube Dual O-Ring Nut - Aluminum	8ACA-8FTDON	K22
Code 61 O-Ring Flange - 67½° Bent Tube	32GL-32FL67S	J17	Female SAE Tube Dual O-Ring Nut - 45° Bent Tube - Aluminum	8ACA-8FTDON45	K23
Code 61 O-Ring Flange - 90° Bent Tube	12GL-12FL90M	J18	Female SAE Tube Dual O-Ring Nut - 90° Bent Tube - Aluminum	8ACA-8FTDON90	K23
<b>PolarSeal Couplings</b>			Female SAE Tube O-Ring Metric Nut Swivel - Aluminum	6ACA-16FTOMN	K24
<b>PolarSeal® Couplings</b>			Female SAE Tube O-Ring Metric Nut Swivel - 45° Bent Tube - Aluminum	6ACA-14FTOMN45	K24
Male SAE 45° Flare - Aluminum	6ACA-6MS	K1	Female SAE Tube O-Ring Metric Nut Swivel - 90° Bent Tube - Aluminum	6ACA-16FTOMN90	K25
Male SAE 45° Flare - 45° Bent Tube - Aluminum	6ACA-6MS45	K1	Female SAE Tube Dual O-Ring Metric Nut - Aluminum	8ACA-24FTDOMN	K25
Male SAE 45° Flare - 90° Bent Tube - Aluminum	6ACA-6MS90	K2	Female SAE Tube Dual O-Ring Metric Nut - 45° Bent Tube - Aluminum	8ACA-24FTDOMN45	K26
Female SAE 45° Flare Swivel - Aluminum	6ACA-6FSX	K2	Female SAE Tube Dual O-Ring Metric Nut - 90° Bent Tube - Aluminum	8ACA-24FTDOMN90	K26
Female SAE 45° Flare Swivel - Steel	6ACA-6FSX-S	K3			
Female SAE 45° Flare Swivel - 45° Bent Tube - Aluminum	6ACA-6FSX45	K3			
Female SAE 45° Flare Swivel - 90° Bent Tube - Aluminum	6ACA-6FSX90	K4			
Female SAE 45° Flare Swivel - 90° Bent Tube - Steel	6ACA-6FSX90-S	K4			
Male SAE Flareless Assembly - Aluminum	6ACA-6MFA	K5			
Male SAE Flareless Assembly - 90° Block - Aluminum	6ACA-6MFA90	K5			
Male Metric Flareless Assembly - Aluminum	6ACA-8MMFA	K6			
Female Flareless Nut - Aluminum	8ACFFN	K6			
Female Braze-On Stems - Aluminum	6ACA-6FBO	K6			
Female Braze-On Stems - Steel	6ACA-6FBO-S	K7			
Hose Length Extender - Aluminum	6ACA-6HLE	K7			
Hose Length Extender - 90° Bent Tube - Aluminum	6ACA-6HLE90	K8			
Hose Length Extender - 180° Bent Tube - Aluminum	6ACA-6HLE180	K8			
Hose Length Extender - Tee - Aluminum	6ACA-6HLET	K9			
Hose Length Extender with Sight Glass - Aluminum	6ACA-6HLESG	K9			
Hose Splicer with R12 Thread Service Port - Aluminum	6ACA-R12SP	K10			





TYPE	DESCRIPTION (EXAMPLE)	PAGE
Compressor Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Steel	8ACA-10CFTON90-S	K27
Compressor Female SAE Tube O-Ring Nut Swivel - 90° Block - Steel	8ACA-10CFTON90BL-S	K27
Compressor Female Tube O-Ring Nut with 134a Service Port - 90° Block - Steel	8ACA-10CFTON134SP90BL-S	K28
Female Rotalok (Compressor Connection) with R134a Service Port - 90° Block - Aluminum	8ACA-R134SP-RL	K28
Male Inverted O-Ring - Aluminum	6ACA-6MIO	K29
Male Inverted O-Ring - Steel	6ACA-6MIO-S	K29
Male Inverted O-Ring - 45° Bent Tube - Aluminum	6ACA-6MIO45	K30
Male Inverted O-Ring - 90° Bent Tube - Aluminum	6ACA-6MIO90	K30
Male Inverted O-Ring Bulkhead - Aluminum	6ACA-6MIOBKHD	K31
Male Inverted O-Ring Bulkhead - 90° Bent Tube - Aluminum	6ACA-6MIOBKHD90	K31
Male Inverted O-Ring with R134a Service Port - Aluminum	6ACA-6MIO134SP	K32
Male Inverted O-Ring with R134a Service Port - 90° Bent Tube - Aluminum	6ACA-6MIO134SP90	K32
Universal Tee O-Ring Splicer English Threads - Aluminum	6ACA-6TORSP	K33
Female (Ford) Spring Lock Tee O-Ring Splicer - Aluminum	6ACA-8FSLTORSP	K33
Female (Ford) Spring Lock Liquid Line Splicer - Aluminum	6ACA-8FSLSP	K34
Male (Ford) Spring Lock - Aluminum	6ACA-6MSL	K34
Male (Ford) Spring Lock - 45° Bent Tube - Aluminum	6ACA-6MSL45	K35
Male (Ford) Spring Lock - 90° Bent Tube - Aluminum	6ACA-6MSL90	K35
Female (Ford) Spring Lock - Aluminum	6ACA-6FSL	K36
Female (Ford) Spring Lock - 45° Bent Tube - Aluminum	6ACA-6FSL45	K36
Female (Ford) Spring Lock - 90° Bent Tube - Aluminum	6ACA-6FSL90	K37
Inline Orifice Tube	IOT-BLACK	K37
O-Rings for PolarSeal® Couplings	6ACOR	K38

**PolarSeal II Couplings**

**PolarSeal® II Couplings**

Weld On Hose End	6ACC-6FBO	L1
Splicer	6ACC-6HLE	L1
T Splicer	6ACC-6HLET	L1
Y Splicer	8ACC-8HLEY	L2
Male O-Ring (MOR) with Switch or Service Port - 90° Bent Tube	8ACC-8MTON90134SWPH	L2
Male O-Ring (MOR)	6ACC-6MTON	L2
Male O-Ring (MOR) - 45° Bent Tube	6ACC-6MTON45	L3
Male O-Ring (MOR) - 90° Bent Tube	6ACC-6MTON90	L3
Male O-Ring (MOR) - 180° Bent Tube	6ACC-6MTON180	L3
Straight Female O-Ring (FOR) with Switch or Service Port	8ACC-8FTON134SPH	L4
Female O-Ring (FOR) with Switch or Service Port - 90° Bent Tube	6ACC-8FTON134SPH90	L4
Straight Female O-Ring	6ACC-6FTON	L5
Female O-Ring (FOR) - 45° Bent Tube	6ACC-6FTON45	L5
Female O-Ring (FOR) - 90° Bent Tube	6ACC-6FTON90	L5
Metric Female O-Ring (FOR)	8ACC-20FTOMN	L6
Metric Female O-Ring (FOR) - 90° Bent Tube	6ACC-18FTOMN90	L6
Male Insert O-Ring (MIO)	6ACC-6MIO	L6
Male Insert O-Ring (MIO) - 90° Bent Tube	6ACC-6MIO90	L7
Male Insert O-Ring (MIO) Bulkhead	6ACC-6MIOBKHD	L7
Male Insert O-Ring (MIO) Bulkhead - 90° Bent Tube	6ACC-6MIOBKHD90	L7
Splicer with Switch or Service Port	6ACC-6HLE134SPH	L7

TYPE	DESCRIPTION (EXAMPLE)	PAGE
Metric Female O-Ring (FOR) with Switch or Service Port - 90° Bent Tube	6ACC-10FTOMN90134SPH	L8
Metric Male Insert O-Ring (MIO)	10ACC-20MIOM	L8
Clamp Assemblies	6CLAMP	L8

**C14 Couplings**

**C14 Couplings**

Male Pipe (NPTF - 30° Cone Seat) - Stainless Steel	4C14-2MP-SS	M1
Male Pipe (NPTF - 30° Cone Seat) - Brass	4C14-2MP-B	M1
Female JIC 37° Flare Swivel - Stainless Steel	6C14-6FJX-SS	M2
Female JIC 37° Flare Swivel - Brass	6C14-6FJX-B	M2
Female JIC 37° Flare Swivel - 45° Bent Tube - Steel	4C14-4FJX45	M3
Female JIC 37° Flare Swivel - 90° Bent Tube - Steel	4C14-4FJX90	M3
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Stainless Steel	4C14-4FJSX-SS	M4
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Brass	4C14-4FJSX-B	M4
Female SAE 45° Flare Swivel - Brass	6C14-6FSX-B	M5
Female SAE 45° Flare Swivel - 45° Bent Tube - Steel	4C14-4FSX45	M5
Female SAE 45° Flare Swivel - 90° Bent Tube - Steel	4C14-4FSX90	M6
Air Brake Compression - Brass	8C14-8ABC-B	M6
Straight Tube Assembly - Brass	10C14-8STA-B	M7
SAE Male Inverted Swivel - Steel	4C14-4MIX	M7
SAE Male Inverted Swivel - 45° Bent Tube - Steel	4C14-4MIX45	M8
SAE Male Inverted Swivel - 90° Bent Tube - Steel	4C14-4MIX90	M8
Two-Bolt Flange Swivel - Brass (Steel Flange) - Laundry Flange	12C14-12TBFLX	M9
Power Trim Assemblies - Steel	PTA-45	M9
C14 Assembly with Two Female Dual Seat JIC 37°/SAE 45° Flare Swivel (FJSX) Couplings - Steel	10C14-10FJSX-10FJSX-18	M9
C14 Assembly with Two Air Brake Compression (ABC) Couplings - Steel	10C14-10ABC-10ABC-18	M10
C14 Assembly with Two Straight Tube Assembly (STA) Couplings - Steel	10C14-10STA-10STA-18	M10
C14 One Straight Tube Assembly (STA) and One Air Brake Compression (ABC) Couplings - Steel	10C14-10STA-10ABC-18	M10

**PCTS Thermoplastic Couplings**

**PCTS Thermoplastic Couplings (One-Piece)**

Male Pipe (NPTF - 30° Cone Seat)	2PCTS-2MP	N1
Male Pipe Swivel (NPTF - Without 30° Cone Seat)	2PCTS-2MPX	N1
Female JIC 37° Flare Swivel	2PCTS-3FJX	N1
Female JIC 37° Flare Swivel - 90° Bent Tube	3PCTS-4FJX90S	N2
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube	2PCTS-4FJSX	N2

**Field Attachable G1 and G2 Couplings**

**Field Attachable Type T for G1 Hose (1 Wire)**

Male Pipe (NPTF - 30° Cone Seat)	4C1T-2RMP	O1
Male Pipe Swivel (NPTF - Without 30° Cone Seat)	4C1T-4RMPX	O1
Male O-Ring Boss	6C1T-6RMB	O2
Male JIC 37° Flare	6C1T-6RMJ	O2
Female JIC 37° Flare Swivel	4C1T-4RFJX	O2
Female JIC 37° Flare Swivel - 45° Bent Tube	4C1T-4RFJX45	O3



TYPE	DESCRIPTION (EXAMPLE)	PAGE
Female JIC 37° Flare Swivel - 90° Bent Tube	4C1T-4RFJX90	03
<b>Field Attachable Type T for G2 Hose (2 Wire)</b>		
Male Pipe (NPTF - 30° Cone Seat)	4C2AT-2RMP	05
Male Pipe Swivel (NPTF - Without 30° Cone Seat)	4C2AT-4RMPX	05
Male O-Ring Boss	6C2AT-6RMB	06
Male JIC 37° Flare	6C2AT-6RMJ	06
Female JIC 37° Flare Swivel	4C2AT-4RFJX	06
Female JIC 37° Flare Swivel - 45° Bent Tube	4C2AT-4RFJX45	07
Female JIC 37° Flare Swivel - 90° Bent Tube	4C2AT-4RFJX90	07
Female Flat-Face O-Ring Swivel	4C2AT-4RFFORX	08
Female Flat-Face O-Ring Swivel - 45° Bent Tube	4C2AT-4RFFORX45S	08
Female Flat-Face O-Ring Swivel - 90° Bent Tube	4C2AT-4RFFORX90S	09

### Field Attachable C5 and C5E Couplings

#### Field Attachable for C5C, C5D & C5M Hose

Male Pipe (NPTF - 30° Cone Seat) - Steel	4C5-2RMP	P1
Male Pipe (NPTF - 30° Cone Seat) - Brass	5C5-4RMPB	P1
Male JIC 37° Flare - Steel	4C5-4RMJ	P2
Female JIC 37° Flare Swivel - Steel	6C5-6RFJX	P2
Female JIC 37° Flare Swivel - Brass	6C5-6RFJXB	P3
Female JIC 37° Flare Swivel - 45° Bent Tube - Steel	6C5-6RFJX45	P3
Female JIC 37° Flare Swivel - 90° Bent Tube - Steel	6C5-6RFJX90	P4
Male SAE 45° Flare - Steel	4C5-4RMS	P4
Male SAE 45° Flare Inverted Swivel - Steel	4C5-4RMIX	P5
Male SAE 45° Flare Inverted Swivel - 45° Bent Tube - Steel	4C5-4RMIX45	P5
Male SAE 45° Flare Inverted Swivel - 90° Bent Tube - Steel	4C5-4RMIX90	P6
Female SAE 45° Flare Swivel - Steel	6C5-6RFSX	P6
Female SAE 45° Flare Swivel - Brass	6C5-6RFSXB	P7
Female SAE 45° Flare Swivel - 45° Bent Tube - Steel	6C5-6RFSX45	P7
Female SAE 45° Flare Swivel - 90° Bent Tube - Steel	6C5-6RFSX90	P7
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Steel	4C5-4RFJSX	P8
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube - Steel	4C5-4RFJSX45	P8
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube - Steel	4C5-4RFJSX90	P9
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Brass	5C5-5RFJSXB	P9
Male O-Ring Boss - Steel	4C5-4RMB	P10
Female Flat-Face Swivel - Steel	4C5-4RFFORX	P10
Female Flat-Face Swivel - 45° Bent Tube - Steel	4C5-4RFFORX45	P11
Female Flat-Face Swivel - 90° Bent Tube - Steel	4C5-4RFFORX90	P11
SAE Male Flareless Assembly - Steel	4C5-4RMFA	P11
Female Air Brake Swivel - Steel	6C5-6RFABX	P12
Parker Triple Thread Female Swivel - Steel	16C5-16RFZX	P12
Male Pipe (NPTF - 30° Cone Seat) - Steel	4C5E-2RMP	P13
Female JIC 37° Flare Swivel - Steel	6C5E-6RFJX	P13
Female JIC 37° Flare Swivel - 45° Bent Tube - Steel	6C5E-6RFJX45	P14
Female JIC 37° Flare Swivel - 90° Bent Tube - Steel	6C5E-6RFJX90	P14
Female SAE 45° Flare Swivel - Steel	6C5E-6RFSX	P15
Female SAE 45° Flare Swivel - 45° Bent Tube - Steel	6C5E-6RFSX45	P15



TYPE	DESCRIPTION (EXAMPLE)	PAGE
Female SAE 45° Flare Swivel - 90° Bent Tube - Steel	6C5E-6RFSX90	P16
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Steel	4C5E-4RFJSX	P16
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube - Steel	4C5E-4RFJSX45	P17
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube - Steel	4C5E-4RFJSX90	P17
Male SAE 45° Flare Inverted Swivel - Steel	4C5E-4RMIX	P18
Male SAE 45° Flare Inverted Swivel - 45° Bent Tube - Steel	6C5E-6RMIX45	P18
Male SAE 45° Flare Inverted Swivel - 90° Bent Tube - Steel	4C5E-4RMIX90	P19
SAE Male Flareless Assembly - Steel	4C5E-4RMFA	P19
Parker Triple Thread Female Swivel - Steel	16C5E-16RFZX	P20
Special Flange - 90° - Engine Oil Connection (Code 61 2 Bolt) - Steel	20C5E-20RFL90S	P20

### SureLok Air Brake Couplings

#### SureLok™ Air Brake

Air Brake Plugs	2.5AB-PLUG	Q1
Air Brake Cartridge	3CARTRIDGE-AB	Q1
Air Brake to Male Pipe	2.5AB-1MP	Q2
Air Brake to Male Pipe - 45° Bent Tube	4AB-2MP45	Q3
Air Brake to Male Pipe - 90° Bent Tube	2.5AB-2MP90	Q3
Air Brake to Male Pipe - 90° Bent Tube with Port	6AB-4MP-2PT90	Q4
Air Brake to Male Pipe Swivel - 45° Bent Tube	4AB-2MPX45	Q5
Air Brake to Male Pipe Swivel - 90° Bent Tube	2.5AB-2MPX90	Q5
Male Pipe to Air Brake Tee	2MP-4AB-4AB	Q6
Male Pipe to Air Brake Tee - Jump Down	4MP-6AB-4AB	Q7
Air Brake to Male Pipe Tee	3AB-3AB-2MP	Q7
Air Brake to Male Pipe Tee - Jump Down	10AB-8AB-8MP	Q8
Air Brake to Male Pipe Tee - 90° Bent Tube	6AB-6AB-6MP90	Q8
Male Pipe Swivel to Air Brake Tee	2MPX-4AB-4AB	Q9
Air Brake to Male Pipe Swivel Tee	3AB-3AB-2MPX	Q9
Air Brake to Female Pipe	2.5AB-2FP	Q10
Air Brake to Female Pipe - 90° Bent Tube	3AB-2FP90	Q10
Air Brake on Run to Female Pipe - Tee	6AB-6AB-4FP	Q11
Male Pipe to Air Brake to Female Pipe Tee	4MP-6AB-4FP	Q11
Air Brake to Male Pipe to Female Pipe	6AB-6MP-4FP	Q12
Air Brake Bulkhead	4AB-4AB-BKHD	Q12
Air Brake to Male Flareless Assembly Bulkhead	4AB-4MFA-BKHD	Q13
Air Brake to Female Pipe Bulkhead	4AB-2FP-BKHD	Q13
Air Brake Union	2.5AB-2.5AB	Q13
Air Brake Union - 90° Bent Tube	4AB-4AB90	Q14
Air Brake Union Tee	2AB-2AB-2AB	Q15
Air Brake Union Tee - Jump Up	6AB-4AB-4AB	Q15
Air Brake Union - Tee with Mounting Hole	6AB-6AB-8ABMH	Q16
6-Port Manifold	6AB-4MANIFOLD	Q16
Coiled Nylon Air Brake Assemblies	8CABHX12	Q17

### Adapters

#### SAE to SAE

Male Pipe NPTF Plug	2MP-PLUG	R1
Male Pipe NPTF to Male Pipe NPTF	2MP-2MP	R1
Male Pipe NPTF to Male Pipe NPTF - 90°	2MP-2MP90	R2
Male Pipe NPTF to Female Pipe NPTF Reducer Bushing - Short	4MP-2FPS	R3
Male Pipe NPTF to Female Pipe NPTF Increasing Bushing - Long	2MP-4FPL	R4
Male Pipe NPTF to Female Pipe NPTF - 90°	2MP-2FP90	R5
Male Pipe NPTF to Female Pipe Swivel NPSM	2MP-2FPX	R5





TYPE	DESCRIPTION (EXAMPLE)	PAGE	TYPE	DESCRIPTION (EXAMPLE)	PAGE
Male Pipe NPTF to Female Pipe Swivel NPSM - 45°	2MP-2FPX45	R6	Male JIC 37° Flare to Male Pipe NPTF - 90°	2MJ-2MP90	R36
Male Pipe NPTF to Female Pipe Swivel NPSM - 90°	2MP-2FPX90	R7	Male JIC 37° Flare to Female Pipe NPTF	2MJ-2FP	R37
Female Pipe NPTF to Female Pipe NPTF	2FP-2FP	R8	Male JIC 37° Flare to Female Pipe NPTF - 90°	4MJ-2FP90	R38
Female Pipe NPTF to Female Pipe NPTF - 90°	2FP-2FP90	R9	Female JIC 37° Flare Swivel to Male Pipe NPTF	4FJX-2MP	R39
Female Pipe NPTF to Female Pipe Swivel NPSM	2FP-2FPX	R9	Female JIC 37° Flare Swivel to Male Pipe NPTF - 90°	4FJX-2MP90	R39
Female Pipe NPTF to Female Pipe Swivel NPSM - 45°	2FP-2FPX45	R10	Female JIC 37° Flare Swivel to Female Pipe NPTF	4FJX-2FP	R40
Female Pipe NPTF to Female Pipe Swivel NPSM - 90°	2FP-2FPX90	R11	Male JIC 37° Flare Bulkhead to Male Pipe NPTF	4MJBKHD-2MP	R40
Female Pipe NPTF - Tee	2FP-2FP-2FP	R11	Male JIC 37° Flare on Run to Male Pipe NPTF - Tee	3MJ-3MJ-2MP	R41
Female Pipe NPTF on Run to Male Pipe NPTF - Tee	2FP-2FP-2MP	R12	Female Flat-Face O-Ring Cap	4FFOR-CAP	R41
Female Pipe Swivel NPSM - Tee	2FPX-2FPX-2FPX	R12	Male Flat-Face O-Ring Plug	4MFFOR-PLUG	R42
Female Pipe Swivel NPSM on Run to Male Pipe NPTF - Tee	2FPX-2FPX-2MP	R13	Male Flat-Face O-Ring to Male Flat-Face O-Ring	4MFFOR-4MFFOR	R42
Male O-Ring Boss Plug	2MB-PLUG	R13	Male Flat-Face O-Ring to Male Flat-Face O-Ring - 90°	4MFFOR-4MFFOR90	R43
Male O-Ring Boss to Female Pipe NPTF	3MB-2FP	R14	Male Flat-Face O-Ring to Female Flat-Face Swivel - 90°	4MFFOR-4FFORX90	R43
Male O-Ring Boss to Female Pipe Swivel NPSM	4MB-2FPX	R15	Male Flat-Face O-Ring Tee	4MFFOR-4MFFOR-4MFFOR	R44
Male O-Ring Boss to Female Pipe Swivel NPSM - 45°	4MB-2FPX45	R16	Male Flat-Face O-Ring on Run to Female Flat-Face Swivel - Tee	4MFFOR-4MFFOR-4FFORX	R44
Male O-Ring Boss to Female Pipe Swivel NPSM - 90°	4MB-2FPX90	R16	Male Flat-Face O-Ring to Female Flat-Face O-Ring to Male Flat-Face O-Ring - Tee	4MFFOR-4FFORX-4MFFOR	R45
Female O-Ring Boss to Male Pipe NPTF	4FB-2MP	R17	Male Flat-Face O-Ring to Male Pipe NPTF	4MFFOR-2MP	R45
Male O-Ring Boss to Male JIC 37° Flare	2MB-2MJ	R18	Male Flat-Face O-Ring to Female JIC 37° Flare Swivel	4MFFOR-4FJX	R46
Male O-Ring Boss to Male JIC 37° Flare - 45°	4MB-4MJ45	R19	Male Flat-Face O-Ring to Male O-Ring Boss	4MFFOR-4MB	R46
Male O-Ring Boss to Male JIC 37° Flare - 90°	2MB-2MJ90	R20	Male Flat-Face O-Ring to Male O-Ring Boss - 45°	4MFFOR-4MB45	R47
Male O-Ring Boss to Female JIC 37° Flare Swivel	6MB-6FJX	R22	Male Flat-Face O-Ring to Male O-Ring Boss - 90°	4MFFOR-4MB90	R48
Male JIC 37° Flare on Run to Male O-Ring Boss - Tee	4MJ-4MJ-4MB	R22	Male Flat-Face O-Ring to Male O-Ring Boss - 90° Long Drop	4MFFOR-4MB90L	R49
Male O-Ring Boss to Male JIC 37° Flare to Male JIC 37° Flare - Tee	4MB-4MJ-4MJ	R23	Male Flat-Face O-Ring on Run to Male O-Ring Boss - Tee	4MFFOR-4MFFOR-4MB	R49
Female JIC 37° Flare Cap	2FJ-CAP	R23	Male Flat-Face O-Ring to Male O-Ring Boss to Male Flat-Face O-Ring - Tee	4MFFOR-4MB-4MFFOR	R50
Male JIC 37° Flare Plug	3MJ-PLUG	R24	Female Flat-Face Swivel to Male JIC 37° Flare	4FFORX-4MJ	R50
Male JIC 37° Flare to Female Braze - On	20MJ-20FBO	R24	<b>SAE to SAE - High Pressure</b>		
Male JIC 37° Flare to Male JIC 37° Flare	2MJ-2MJ	R25	Code 61 O-Ring Flange to Male JIC 37° Flare	8FL-8MJ	R51
Male JIC 37° Flare to Male JIC 37° Flare - 90°	2MJ-2MJ90	R26	Code 61 O-Ring Flange to Male JIC 37° Flare - High Pressure	12FL5K-12MJ	R51
Male JIC 37° Flare to Female JIC 37° Flare	4MJ-6FJ	R26	Code 61 O-Ring Flange to Male JIC 37° Flare - 45°	8FL-8MJ45	R52
Male JIC 37° Flare to Female JIC 37° Flare Swivel - 45°	4MJ-4FJX45	R27	Code 61 O-Ring Flange to Male JIC 37° Flare - 45° - High Pressure	12FL5K-12MJ45	R52
Male JIC 37° Flare to Female JIC 37° Flare Swivel - 90°	4MJ-4FJX90	R28	Code 61 O-Ring Flange to Male JIC 37° Flare - 90°	8FL-8MJ90	R53
Male JIC 37° Flare to Male JIC 37° Flare Bulkhead	3MJ-3BKHD	R28	Code 61 O-Ring Flange to Male JIC 37° Flare - 90° - High Pressure	12FL5K-12MJ90	R53
Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - 45°	4MJ-4BKHD45	R29	Code 61 O-Ring Flange to Male Flat-Face O-Ring - High Pressure	12FL5K-12MFFOR	R54
Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - 90°	4MJ-4BKHD90	R29	Code 61 O-Ring Flange to Male Flat-Face O-Ring 45° - High Pressure	12FL5K-12MFFOR45	R54
Male JIC 37° Flare Tee	2MJ-2MJ-2MJ	R30	Code 61 O-Ring Flange to Male Flat-Face O-Ring 90° - High Pressure	12FL5K-12MFFOR90	R55
Male JIC 37° Flare on Run to Female JIC 37° Flare Swivel - Tee	4MJ-4MJ-4FJX	R31	Code 62 O-Ring Flange Heavy to Male JIC 37° Flare - (6,000 psi)	12FLH6K-12MJ	R55
Male JIC 37° Flare on Run to Male JIC 37° Flare Bulkhead - Tee	4MJ-4MJ-4BKHD	R31	Code 62 O-Ring Flange Heavy to Male JIC 37° Flare 45° - (6,000 psi)	12FLH6K-12MJ45	R56
Male JIC 37° Flare to Male JIC 37° Flare Bulkhead to Male JIC 37° Flare - Tee	4MJ-4BKHD-4MJ	R32	Code 62 O-Ring Flange Heavy to Male JIC 37° Flare 90° - (6,000 psi)	12FLH6K-12MJ90	R56
Male JIC 37° Flare to Female JIC 37° Flare Swivel to Male JIC 37° Flare - Tee	4MJ-4FJX-4MJ	R33			
Male JIC 37° Flare to Male Pipe NPTF	2MJ-2MP	R33			
Male JIC 37° Flare to Male Pipe NPTF - 45°	2MJ-2MP45	R35			



TYPE	DESCRIPTION (EXAMPLE)	PAGE	TYPE	DESCRIPTION (EXAMPLE)	PAGE
Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring - (6,000 psi)	12FLH6K-12MFFOR	R57	<b>International to International</b>		
Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring 45° - (6,000 psi)	12FLH6K-12MFFOR45	R57	British Bonded Seal	2BBDS	R80
Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring 90° - (6,000 psi)	12FLH6K-12MFFOR90	R58	Male British Standard Pipe Parallel with O-Ring Plug	2MBSPOR-PLUG	R80
<b>British to SAE</b>			Female British Standard Pipe Parallel Cap	2FBSP-PP-CAP	R81
British Male Standard Pipe Tapered Thread to Male JIC 37° Flare	2MBSPT-4MJ	R59	Male British Standard Pipe Tapered Thread Plug	2MBSPT-PLUG	R81
British Male Standard Pipe Tapered Thread to Male JIC 37° Flare - 45°	2MBSPT-4MJ45	R60	Male British Standard Pipe Parallel to Female British Standard Pipe Parallel Swivel	2MBSPP-PLUG	R82
British Male Standard Pipe Tapered Thread to Male JIC 37° Flare - 90°	2MBSPT-4MJ90	R60	Metric Bonded Seal	2MBSPP-2FBSPPX	R82
British Male Standard Pipe Parallel to Male Pipe NPTF	2MBSPP-2MP	R61	6MBDS	6MBDS	R83
British Male Standard Pipe Parallel to Female Pipe NPTF	2MBSPP-2FP	R62	Male Metric Plug	8MM-PLUG	R84
British Male Standard Pipe Parallel to Male JIC 37° Flare	2MBSPP-4MJ	R63	Male DIN 24° Cone - Light Series Plug	6MDL-PLUG	R84
British Male Standard Pipe Parallel to Male JIC 37° Flare - 45°	2MBSPP-4MJ45	R64	Female DIN 24° Cone - Light Series Cap	6FDL-CAP	R85
British Male Standard Pipe Parallel to Male JIC 37° Flare - 90°	2MBSPP-4MJ90	R64	Male DIN 24° Cone - Heavy Series Plug	8MDH-PLUG	R85
British Male Standard Pipe Parallel to Female JIC 37° Flare Swivel	2MBSPP-4FJX	R65	Female DIN 24° Cone - Heavy Series Cap	8FDH-CAP	R86
British Male Standard Pipe Parallel with O-Ring to Male JIC 37° Flare	2MBSPPOR-4MJ	R66	<b>Japanese Conversion</b>		
British Male Standard Pipe Parallel with O-Ring to Male JIC 37° Flare - 90°	6MBSPPOR-6MJ90	R67	Female Japanese Industrial Standard Cap	4FJIS-CAP	R87
British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring	2MBSPPOR-4MFFOR	R67	Male Japanese Industrial Standard Plug	4MJIS-PLUG	R87
British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - Long	6MBSPPOR-8MFFORL	R68	Female Japanese Industrial Standard to Male JIC 37° Flare	4FJIS-4MJ	R87
British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - 45°	2MBSPPOR-4MFFOR45	R68	Female Komatsu Cap	4FK-CAP	R88
British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - 90°	2MBSPPOR-4MFFOR90	R69	Male Komatsu Plug	4MK-PLUG	R88
Female British Standard Pipe Parallel to Male Pipe NPTF	2FBSP-PP-2MP	R69	Female Komatsu to Male JIC 37° Flare	4FK-4MJ	R89
Female British Standard Pipe Parallel to Female Pipe NPTF	4FBSP-PP-4FP	R70	Male Komatsu to Male Komatsu	4MK-4MK	R89
Female British Standard Pipe Parallel to Male JIC 37° Flare	2FBSP-PP-4MJ	R70	Male Komatsu to Male JIC 37° Flare	4MK-4MJ	R89
Female British Standard Pipe Parallel Swivel to Male Pipe NPTF - 90°	2FBSP-PPX-2MP90	R71	Male Komatsu to Female Komatsu - 90°	4MK-4FK90	R90
Female British Standard Pipe Parallel Swivel to Male JIC 37° Flare	2FBSP-PPX-4MJ	R71	Male Komatsu to Female Komatsu to Male Komatsu - Tee	4MK-4FK-4MK	R90
Female British Standard Pipe Parallel Swivel to Female JIC 37° Flare Swivel	4FBSP-PPX-4FJX	R72	<b>Quick Disconnect Couplers</b>		
Female British Flat-Face O-Ring to Male JIC 37° Flare	6FBFFOR-6MJ	R73	<b>Quick Disconnect Couplers</b>		
<b>Metric Conversion</b>			Male Ball Valve to Female Pipe	4MQBA-4FP	S1
Male Metric O-Ring Plug	12MMOR-PLUG	R74	Male Ball Valve to Female O-Ring Boss	8MQBA-8FB	S1
Male Metric with O-Ring to Female Pipe NPTF	10MM-2FP	R74	Female Ball Valve To Female Pipe	4FQBA-4FP	S1
Male Metric with O-Ring to Male JIC 37° Flare	10MM-4MJ	R75	Female Ball Valve To Female O-Ring Boss	8FQBA-8FB	S2
Male Metric with O-Ring to Male JIC 37° Flare - 90°	10MM-4MJ90	R76	O-Ring	4QDAOR	S2
Male DIN 24° Cone - Light Series to Male JIC 37° Flare	6MDL-4MJ	R76	QD Plug/Cap Combination	4QDADP/C	S3
Female DIN 24° Cone Swivel - Light Series to Male JIC 37° Flare	6FDLX-4MJ	R77	Male Poppet Valve to Female Pipe	4MQPA-4FP	S3
Male DIN 24° Cone - Heavy Series to Male JIC 37° Flare	6MDH-4MJ	R78	Female Poppet Valve to Female Pipe	4FQPA-4FP	S3
Female DIN 24° Cone Swivel - Heavy Series to Male JIC 37° Flare	10FDHX-4MJ	R78	Male Ball Valve to Female Pipe	8MQBAJD-8FP	S4
Male Kobelco Plug	22MKB-PLUG	R79	Male Ball Valve to Female O-Ring Boss	8MQBAJD-8FB	S4
Male Kobelco to Male JIC 37° Flare	22MKB-12MJ	R79	Female Ball Valve to Female Pipe	8FQBAJD-8FP	S4
			Male Tip - Ball Valve to Female Pipe	8MQBAIHC-8FP	S5
			Male Tip - Ball Valve to Female Pipe	8MQBAJIC-8FP	S5
			Male Poppet Valve to Female Pipe	4MQPI-4FP	S5
			Female Poppet Valve to Female Pipe	4FQPI-4FP	S6
			Backup Ring	4QDIBR	S6
			O-Ring	4QDIOR	S7
			QD Plug/Cap Combination	4QDIDP/C	S7
			Male Flush Face Valve to Female O-Ring Boss	4MQFF-4FB	S8
			Male Flush Face Valve to Female Pipe	4MQFF-4FP	S8
			Female Flush Face Valve to Female O-Ring Boss	4FQFF-4FB	S9
			Male Flush Face Valve to Female British Pipe Parallel	4MQFF-4FBPP	S9
			Male Flush Face Valve to JIC 37° Flare Bulkhead	8MQFF-10BKHD	S10
			Female Flush Face Valve to Female Pipe	4FQFF-4FP	S10
			Female Flush Face to JIC 37° Flare Bulkhead	8FQFF-10BKHD	S10
			Female Flush Face Valve to Female British Pipe Parallel	8FQFF-8FBPP	S11
			Dust Plug/Cap Combination	4QDFDP/C	S11
			Male Flush Face Valve	6MQFFH-4FP	S12
			Female Flush Face Valve	6FQFFH-4FP	S12
			QD Plug/Cap Combination	6QDFFHDP/C	S13





TYPE	DESCRIPTION (EXAMPLE)	PAGE
Female (Brass) - Wing Nut (Cast Iron)	12FQW-12FP	S13
Male (Brass) - Less Flange	12MQW-12FP	S14
Dust Cap	12QWDC	S14
Dust Plug	12QWDP	S15
Male Acme Flat Threads to Female Pipe	12MQWH-12FP	S15
Female Wing Nut to Female Pipe	12FQWH-12FP*	S16
Dust Cap	12QWHDC	S16
Dust Plug	12QWHDP	S17
Male Poppet Valve to Female Pipe	6MQFFVH-6FP	S17
Female Screw to Connect to Female Pipe	6FQFFVH-6FP	S18
Male Poppet Valve to Female Pipe	4MQP-4FP	S18
Female Poppet Valve to Female Pipe	4FQP-4FP	S18
QD Plug/Cap Combination	4QDDP/C	S19
O-Ring	4QDOR	S19
Backup Ring	4QDBR	S20
John Deere Old Style to ISO Style	8MJD-8FISO	S20
ISO Style to John Deere Old Style	8MISO-8FJD	S20
Int'l Harvester to John Deere Old Style	8MIHC-8FJD	S21
Int'l Harvester Old Style to ISO Style	8MIHC-8FISO	S21
ISO Style to Int'l Harvester Old Style	8MISO-8FIHC	S21
ISO Style to John Deere Old Style - (Double Shutoff)	8MISO-8FJDDSO	S22
ISO Style to Int'l Harvester Old Style - (Double Shutoff)	8MISO-8FIHCDSO	S22
<b>Live Swivel</b>		
<b>Live Swivel</b>		
Male BSPP to Male BSPP	8BSPP-8BSPP-LX	T1
Male JIC to Male JIC	6MJ-6MJ-LX	T1
Male JIC to Female JIC/Boss	8MJ-8FJ/FB-LX	T2
JIC Seal Kit	6JIC SWIVEL SEAL KIT	T2
Male JIC to Female Pipe	8MJ-8FP-LX	T2
ORS Seal Kit	12ORS LIVE SWIVEL SEAL KIT	T3
ORS/BSPP Seal Kit	8ORS/8BSPP LIVE SWVL SEAL KIT	T3
Male ORFS to Female ORFS	12MFFOR-12FFORX-LX	T3
Male ORFS to Male ORFS	8MFFOR-8MFFOR-LX	T3
<b>Ball Valves</b>		
<b>Ball Valves</b>		
Code 61 O-Ring Flange 3000 PSI	8FL-8FLBV	U1
Code 62 O-Ring Flange 6000 PSI	8FLH-8FLHBV	U1
Female O-Ring Boss	4FB-4FBBV	U2
Female Pipe NPTF	4FP-4FPBV	U2
Female Pipe NPTF	20FP-20FPBV	U3
Female Pipe NPTF	4FP-4FP-4FPBV	U3
Ball Valve Lock Out Kits	1 1/4" THRU 2" BV LOCK OUT KIT	U3
<b>Accessories</b>		
<b>Nylon Protective Sleeve</b>		
LifeGuard® 3000, 4000 and 5000	14LG3K	V1
LifeGuard® Clamp Collars - Stainless Steel	6SC-4-SS	V1
Clamp Collar for Nylon Sleeve and LifeGuard® Sleeve	6SC-1	V2
Nylon Protective Sleeve	HG-10	V3
<b>Hose Guards</b>		
Plated Wire Spring Guards	1 1/8" RSG-25FT	V4

TYPE	DESCRIPTION (EXAMPLE)	PAGE
Plated Flat Armor Spring Guards	1 11/16" FSG-5FT	V5
Plastic Protective Coil Sleeves	1 3/8" CS1157-25FT	V6
PolySleeve™ High Density Polyethylene Hose Wrap - Black	6PSB POLY SLEEVE	V7
PolySleeve™ High Density Polyethylene Hose Wrap - Yellow	6PSY POLY SLEEVE	V7
HeatGuard® Protective Sheathing	HTG-4	V8
HeatGuard® High-Temp Protective Sheathing	24-HTGH	V9
<b>Vinyl Bend Restrictor</b>		
Vinyl Bend Restrictor - Red	HBR1097	V10
Vinyl Bend Restrictor - Black	HBR1050	V11
<b>Flange Fittings</b>		
Flange Half Sets (Code 61 - SAE J518)	8CFHS	V12
Flange Half Sets (Code 62 - SAE J518)	8FHHS	V12
Caterpillar-Style Flange Half Sets	12CATFHS	V13
Code 61 Flange Cap	12FL-CAP	V13
Code 62 Flange Cap	12FLH-CAP	V14
<b>O-Rings</b>		
O-Rings for Code 61, Code 62, and Caterpillar-Style Flange Fittings	8 FLANGE O-RING	V15
O-Rings for Straight Thread Boss Fittings	3 O-RING	V15
O-Rings for Flat-Face Fittings	4 O-RING FF	V16
O-Rings for British Standard Parallel Pipe (BSPP Couplings)	4 O-RING FBSPP	V16
O-Rings for DIN Heavy Series (PC, PCM & PCS Couplings)	8 O-RING DIN H	V17
O-Rings for DIN Light & Heavy Series (MegaCrimp® and GlobalSpiral™ Couplings)	6 O-RING DIN H	V17
<b>Tube Nuts and Sleeves</b>		
Tube Sleeve Nut	2TSN	V18
Tube Sleeve	3TS	V18
Female Flareless Nut	4FFN	V19
Female Flareless Sleeve	4FFS	V19
Locknuts for Bulkhead Fittings	5LN	V19
Metric Bite Nut	6MNH	V20
Metric Bite Sleeve	6BS	V20
<b>Equipment and Parts</b>		
<b>Equipment and Parts</b>		
GC®32-XD Parts		W1
MobileCrimp® 4-20 Parts		W2
Power Crimp® 707 Parts		W4
Power Crimp® 707 Swager Kit and Parts		W6
LifeGuard® Tools		W8
Rebuilt Equipment		W9
Finn Power Equipment Die Sets		W9
Uniflex Equipment Die Sets		W10



# STANDARD BULK HOSE PACKAGING

## A.

\*Qty  $\pm$  20%, 50% In Lengths 40Ft. & Longer, Minimum Length of 10Ft., 2 Lengths Under 20 Ft. Allowed, Maximum of 3 Lengths.

## B.

\*Qty  $\pm$  10 Ft., Minimum Length of 5 Ft., Maximum of 2 Lengths.

## C.

\*Qty  $\pm$  10%, 50% In Lengths 40 Ft. & Longer, 50% In Lengths of 10 Ft. to 39 Ft.

## D.

\*Qty  $\pm$  10%, 65% In Lengths Longer Than 45 Ft., Minimum Length of 10 Ft., 2 Lengths Under 20 Ft. Allowed, Maximum of 6 Lengths.

## E.

\*Qty  $\pm$  0 Ft., Minimum Length of 10 Ft., Maximum of 4 Lengths.

## F.

\*Qty  $\pm$  0 Ft., Minimum Length of 10 Ft., Maximum of 3 Lengths.

## G.

\*Qty  $\pm$  0 Ft., Minimum Length of 10 Ft., Maximum of 4 Lengths.

## H.

\*Qty  $\pm$  0 Ft., Minimum Length of 10 Ft., Maximum of 3 Lengths.

## I.

\*Qty  $\pm$  20 Ft., Minimum Length of 20 Ft., 1 Length 40 Ft. or Longer, Maximum of 3 Lengths.

## J.

### General Reeling Specification

	Size 3/16" through 3/4"	Sizes above 3/4"
Footage	450 ft. to 650 ft.	200 ft. to 350 ft.
Min. number of lgths./reel	one	one
Max. number of lgths./reel	four	three
Lgths. less than 100 ft.	one	one
Min. lgth. allowed	15 ft.	15 ft.

## K.

\*Qty  $\pm$  20%, 65% In Lengths Longer Than 45 Ft., 25% In Lengths 25 Ft. to 45 Ft., 10% In Lengths 5 Ft. to 25 Ft., Maximum of 4 Lengths.

## L.

\*Qty  $\pm$  10%, Minimum Length of 25 Ft., Maximum of 3 Lengths.

## M.

\*Qty:  $\pm$  20%, Maximum of 2 Lengths, Minimum Length of 50 Feet.

## N.

\*Qty  $\pm$  0 Ft., Maximum of 2 Lengths, Minimum Length of 10 Feet.





**O.**

One Continuous Length Between 121'-200'.

**P.**

\*Qty: Maximum of 2 Continuous Lengths.

Hose Size	Reel Qty.	Each Reel Contains 2 Continuous Lengths Per the Following:
3/16"	400 ft.	200 ft. x 2
1/4"	350 ft.	175 ft. x 2
5/16"	300 ft.	150 ft. x 2
13/32"	250 ft.	125 ft. x 2
1/2"	200 ft.	100 ft. x 2
5/8"	150 ft.	75 ft. x 2
7/8"	100 ft.	50 ft. x 2

**Q.**

\*Qty: Maximum 1 Continuous Length +/-10%.

**R.**

Hose lengths shall be as long as possible, minimum length is 25 ft. Hose will be stacked on pallets in bales, stretch wrapped and banded.

**S.**

Minimum length of 50 ft., any number of pieces. All lengths to be in 50 ft. increments (i.e. 50, 100, 150, etc.)

**T.**

Packaged one continuous length per each or per container.

**U.**

± 10% Minimum Length 15 ft., Maximum of 3 Lengths.

**V.**

Qty +/- 0, 65% in lengths longer than 45 ft., minimum length of 10 ft., 2 lengths under 20 ft. allowed, maximum of 6 lengths.

**Minimum Order Requirements For Non-Standard, Non-Stock Hydraulic Hose  
Order To Be Entered With Customer Service; Prior to be quoted by Denver Hydraulic Products Marketing**

Hose Type	* Min. Ord. Qty. For Non-Std. Non-Stk. Hose
All hoses through 1 1/4" I.D. except Spiral Wire and RLC.	5000 ft.
All Spiral Wire	Call Denver
All hoses over 1 1/4" I.D., All RLC, except Spiral Wire	600 Ft.
TH7, TH7-Dual-Line, TH7NC, TH8-Dual-Line, TH8NC	10,000 Ft.

\*The quantities listed generally apply. Some orders with unusual requirements may not be acceptable or larger minimum quantities may be necessary.



Avoid injury to yourself and others by following these important hose assembly steps:

# WARNING

**Serious injury, death and destruction of property can result from rupture or blow-apart of a hydraulic hose assembly that is:**

- Damaged or worn out
- Assembled or installed incorrectly

**Never underestimate the power of a blown hydraulic assembly.**



1. Receive hands-on training with Gates recommended equipment.
2. Follow current Gates **operating manual and crimp data**.
3. Use only new (unused) Gates recommended hose and couplings with Gates crimpers.
4. Wear safety glasses.

### Select and Install Assemblies with Care

1. Select proper hose assemblies for the application. Many factors and conditions affecting the inside and outside diameter of the hose must be taken into account.
2. Hose assembly routing **must not** create an injury hazard or damage hose. Refer to the standards, regulations and directories that apply in the countries where the equipment is sold and used.
3. Select hydraulic components so that the application's temperature, pressure and bend radius **do not exceed** recommended component limits.

4. Hose **must not** be stretched, kinked, crushed or twisted during installation or use. Hose **must not** be bent to less than the minimum bend radius.
5. Use **only** TH7NC, TH8NC and TH18NC hose for **non-conductive** applications. For instance: cherry pickers. All other Gates hoses are electrically conductive.

### 4. DO NOT USE HYDRAULIC HOSE TO TRANSMIT HIGH PRESSURE GASES OR STEAM. NOTE ANY PRESSURE ABOVE 500 PSI.

### Follow Good Maintenance Practices

1. Establish a program of inspection, testing and replacement of hose assemblies from factors including:
  - Severity of application.
  - Frequency of equipment use.
  - Past performance of hose assemblies.
2. **Only** properly trained persons should inspect, test or service hose assemblies. Update training periodically.
3. **Document** maintenance, inspections and testing.



### 4. AVOID FLUID INJECTION INJURIES

- Fluid under pressure can cause **serious injury**. It can be almost invisible escaping from a pinhole and it can pierce the skin into the body.
  - Do not touch a pressurized hydraulic hose assembly with any part of your body.
  - If fluid punctures the skin, **even if no pain is felt, a serious emergency exists**. Obtain medical assistance immediately. **Failure to do so can result in loss of the injured body part or death.**
5. Stay out of hazardous areas while testing hose assemblies under pressure. **Use proper safety protection.**

## Other Safety Information

Many factors affect the selection, crimping, installation and maintenance of hose assemblies. This catalog, Gates Corporation, the hydraulic equipment maker and the Society of Automotive Engineers Recommended Practice SAE J1273, have useful information about selecting, crimping, installing and servicing hydraulic hose assemblies. For further

information, please contact your local Gates representative or call Gates Corporation.

Gates recommends hose and coupling combinations in this catalog only after completing extensive testing.

Evaluation of a hose and coupling combination requires considerable impulse testing and cannot be

determined by a simple burst or pressure hold test. Gates disclaims all liability for any hose assembly made in violation of Gates recommendations, procedures and current crimp data. Crimp data is updated on average every year. For the most up-to-date crimp data, visit [www.gates.com/ecrimp](http://www.gates.com/ecrimp).

The consumer's exclusive remedy with respect to any claim shall be a refund of the purchase price or replacement of the product at the option of Gates. In no event shall Gates be liable for any incidental or consequential damages whatsoever.

### GATES CORPORATION LIMITED LIFETIME WARRANTY

The Gates Corporation ("Gates") product is warranted to be free from defects in material or workmanship from the date of delivery to Customer. Gates will, at its option, replace or repair any merchandise proved defective in material or workmanship, or both. In no event will Gates honor any warranty claim unless it is notified of the claim within six (6) months of the expiration of the warranty period. This shall be the sole remedy for breach of warranty.

This is the exclusive remedy, limited to the Customer's purchase price of the product. Damage to the product due to abuse, misuse, improper use, inadequate maintenance, or failure to follow published installation, use and service recommendations automatically voids this warranty. For warranty service, please contact the Customer Service Department of Gates Corporation, 1551 Wewatta Street, Denver, Colorado 80202.

ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXPRESSLY DISCLAIMED. IN NO EVENT WILL GATES BE LIABLE TO ANY PARTY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY AND INDIRECT DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, REGARDLESS OF WHETHER SUCH DAMAGES WERE REASONABLY FORESEEABLE, OR WHETHER GATES HAD KNOWLEDGE THAT THEY COULD OCCUR.

Some states do not allow the exclusion or limitation of incidental or consequential damages, and some states do not allow limitations on how long an implied warranty lasts, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



## GATES HYDRAULICS

It all started in 1911, at a small manufacturing shop in Denver, Colorado. But today, Gates Corporation is a global company with manufacturing facilities on five continents.

In March 2005, Gates opened the new 87,400 square-foot Gates Customer Solutions Center that sits on a 10-acre site in Denver, Colorado. Designed to include space for technology development, customer engagement and training, the center includes secure vehicle testing bays for mobile-equipment manufacturer application testing and development.

The training area includes hands-on training for customers and Gates associates in hose assembly, fluid contamination control, mobile equipment plumbing and fluid power circuitry. A video conferencing center allows live meetings to be conducted among Gates customers and associates around the world. The center employs about 60 engineers, technicians and scientists.

Our global manufacturing processes allow any of our customers — regardless of where they are — to buy Gates hydraulic products that look consistent and perform to the same exacting standards.

No matter where you go in the world today, Gates hydraulic hose, couplings and equipment are becoming the standards for quality and reliability.



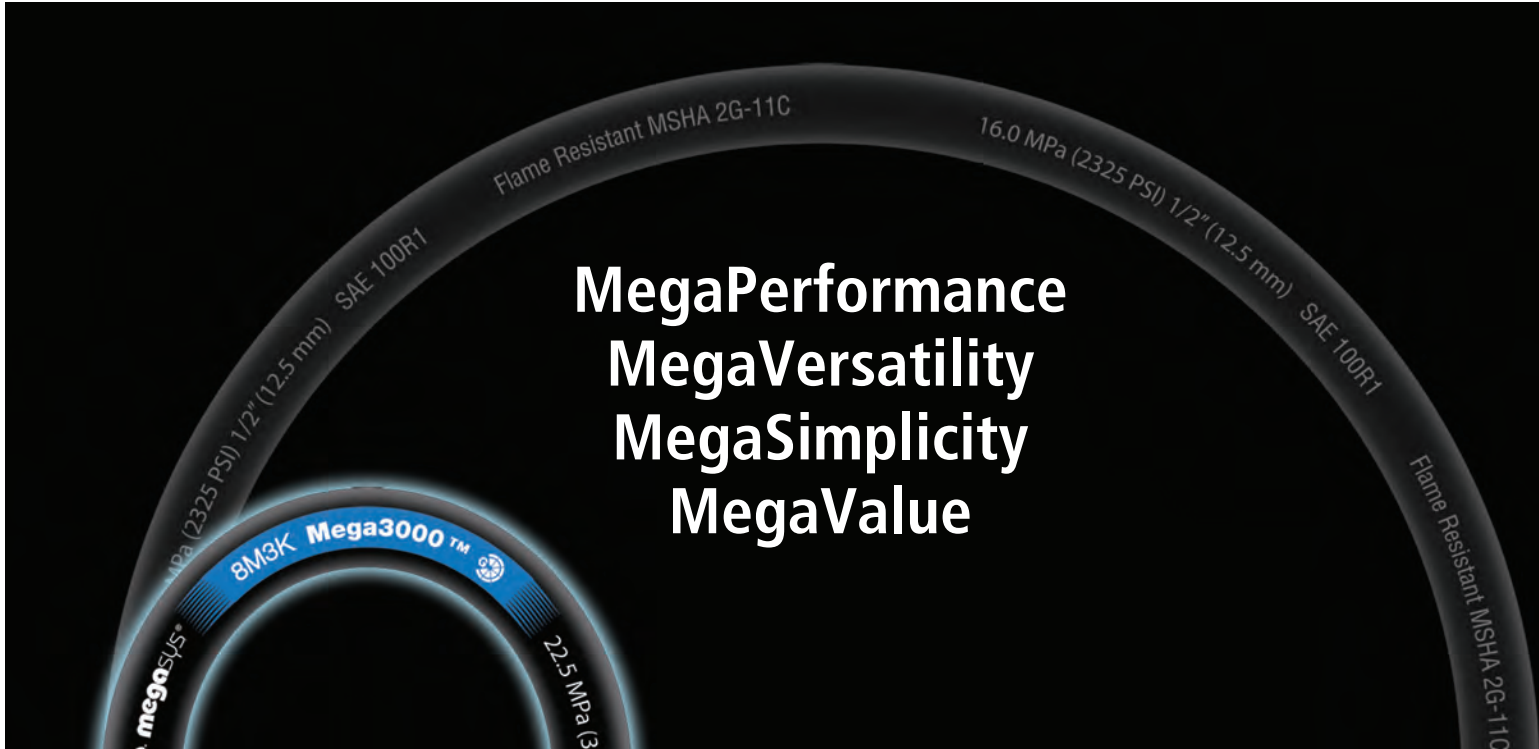
The international marketplace for hydraulic assemblies is getting larger every day. As Original Equipment Manufacturers (OEMs) market their products across national boundaries, you need to be able to order hydraulic products that consistently meet the most rigorous international quality requirements.

Gates offers a global manufacturing grid that operates under standardized and high-quality product and output specifications. Plus, we offer a world of conveniently located field offices placed strategically near every major industrialized area.

All of this means our customers no longer need to import products or worry about just-in-time inventories being late. With Gates, you get a consistent and reliable source for all of your hydraulic assembly needs, no matter where you are operating in the world.

In other words, Gates hydraulic hose, couplings and equipment can save you time and money, no matter your time zone or currency.





**MegaPerformance  
MegaVersatility  
MegaSimplicity  
MegaValue**

**MegaSys® Products  
Only from Gates**



**Gates Next Generation Hydraulics**





As advanced hydraulic systems are designed and engineered into more and more high-powered, high-pressure equipment, the importance of high-quality, flexible, durable hose assemblies that won't fail has never been more critical. As the industry leader in hydraulic hose technology, Gates has developed an integrated solution to meet the expanding needs of today's hydraulic systems – and tomorrow's.

Gates MegaSys® hydraulic hose and coupling products offer a combination of technology, performance and flexibility that is unmatched by anything on the market today – or for the foreseeable future!



The fully integrated MegaSys hose line is designed to provide maximum flexibility and performance in a wide range of high-pressure hydraulic applications while simplifying hose selection and assembly fabrication.

MegaSys products and features save time, space and money. Color-coded laylines and constant pressure ratings through all sizes make hose identification and selection easier and faster while reducing inventory requirements. Couplings provide leak-free performance. A bend radius up to one-third the SAE specification enables use of shorter hose lengths and savings of up to 64 percent. It all adds up to more value for your money.



# Constant Pressure Hoses

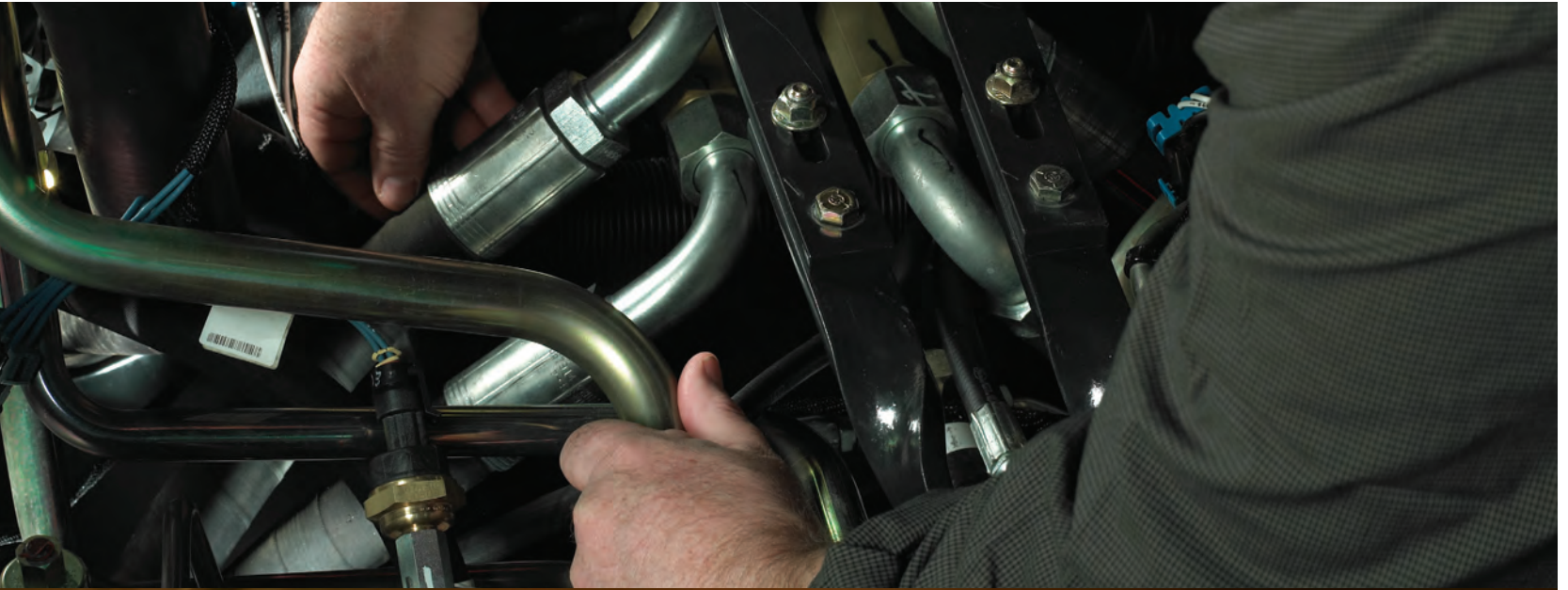
The MegaSys® line consists of constant pressure spiral-wire and wire-braid hoses that can be bent up to one-third SAE specifications. Combined with innovative couplings specifically designed to crimp on these hoses, leak-free performance is guaranteed up to maximum working pressures as high as 8,000 psi.



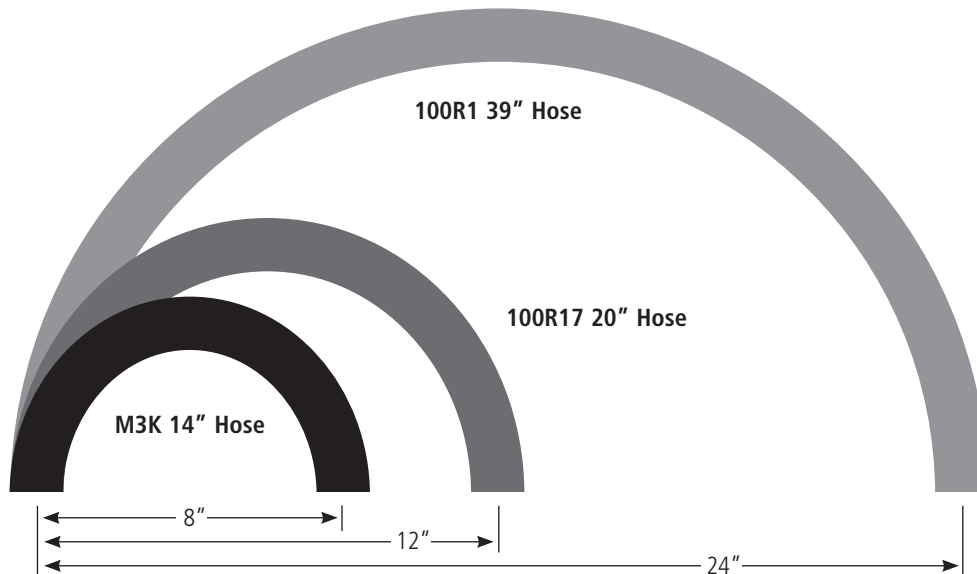
## MegaSys Benefits

- Simplifies hose selection with constant pressure ratings
- Bends up to one-third SAE bend radius specifications
- Saves overall hose assembly length
- Facilitates easier routing in tight applications
- Requires fewer bent tube fittings
- Eases installation with higher flexibility
- Lowers inventory requirements
- Extends life in bending, flexing applications
- Available with abrasion-resistant XtraTuff™ or MegaTuff® covers
- Reduces costs by as much as 64 percent





## MegaSys Hoses Bend – And Bend Some More



### Up to One-Third SAE Bend Radius Specification

Illustration of 16M3K hose flexibility and reduced hose length requirements



## MegaSys® Spiral-Wire Constant Pressure Hoses

### EFG3K, EFG4K, EFG5K, EFG6K and G8K Hoses

- Each hose features a constant working pressure
- Four alternating layers (six in some larger sizes) of spiraled, high tensile steel
- Nitrile tube for use with biodegradable hydraulic fluids
- Tested to industry-leading 1,000,000 impulse cycles
- Temperature range -40°F to +250°F (-40°C to +121°C)
- Available with abrasion-resistant MegaTuff® cover

### MegaSys Hose Pressure Color Key

3000 psi	M3K/EFG3K
4000 psi	M4K/EFG4K
5000 psi	M5K/EFG5K
6000 psi	M6K/EFG6K
8000 psi	G8K

## The MegaSys® Hose Line





### MegaSys® Wire-Braid Constant Pressure Hoses

#### M3K, M4K, M5K and M6K Hoses

- Each hose features a constant working pressure
- Two braids of high-tensile steel wire (one braid in M3K -3, -4, -5, -6 and -8 sizes)
- Nitrile tube for use with biodegradable hydraulic fluids
- Tested to industry-leading 600,000 cycles
- Temperature range -40°F to +212°F (-40°C to +100°C)
- Available with abrasion-resistant XtraTuff™ or MegaTuff® covers

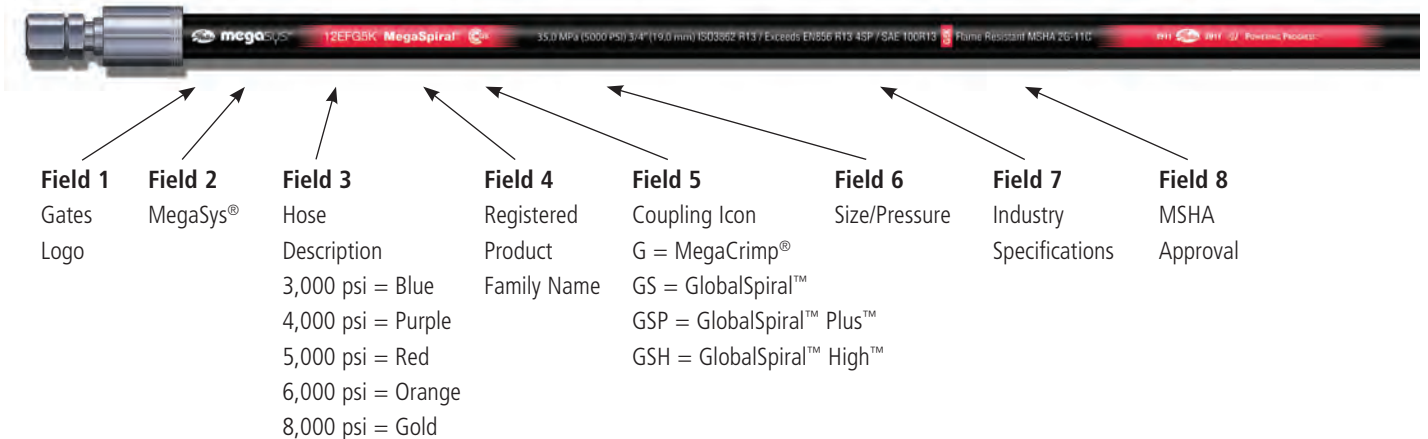
#### MegaSys Hose Pressure Color Key

3000 psi	M3K/EFG3K
4000 psi	M4K/EFG4K
5000 psi	M5K/EFG5K
6000 psi	M6K/EFG6K



## MegaSys® Hose Layline System

These newly developed laylines are used exclusively on MegaSys hoses. Distinctive design and pressure color coding makes MegaSys hoses easy to identify in stock or in service.





# MegaSys® Size/Pressure Matrix

Use the charts below for easy hose selection. Just find the required pressure and the chart will show you which hose meets that pressure in the applicable size.

## SAE Specifications (Chart colors do not correspond to MegaSys hose color key system)

I.D.	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
3000 psi	M3K*	M3K	M3K	M3K	M3K	M3K	M3K	EFG3K	EFG3K	EFG3K
4000 psi	M4K**	M4K	M4K/EFG4K	M4K/EFG4K	M4K/EFG4K	M4K/EFG4K	EFG4K	EFG4K		
5000 psi	M5K	M5K	M5K	M5K/EFG5K	EFG5K	EFG5K	EFG5K	EFG5K	EFG5K	EFG5K
6000 psi	M6K		EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K
8000 psi						G8K	G8K			

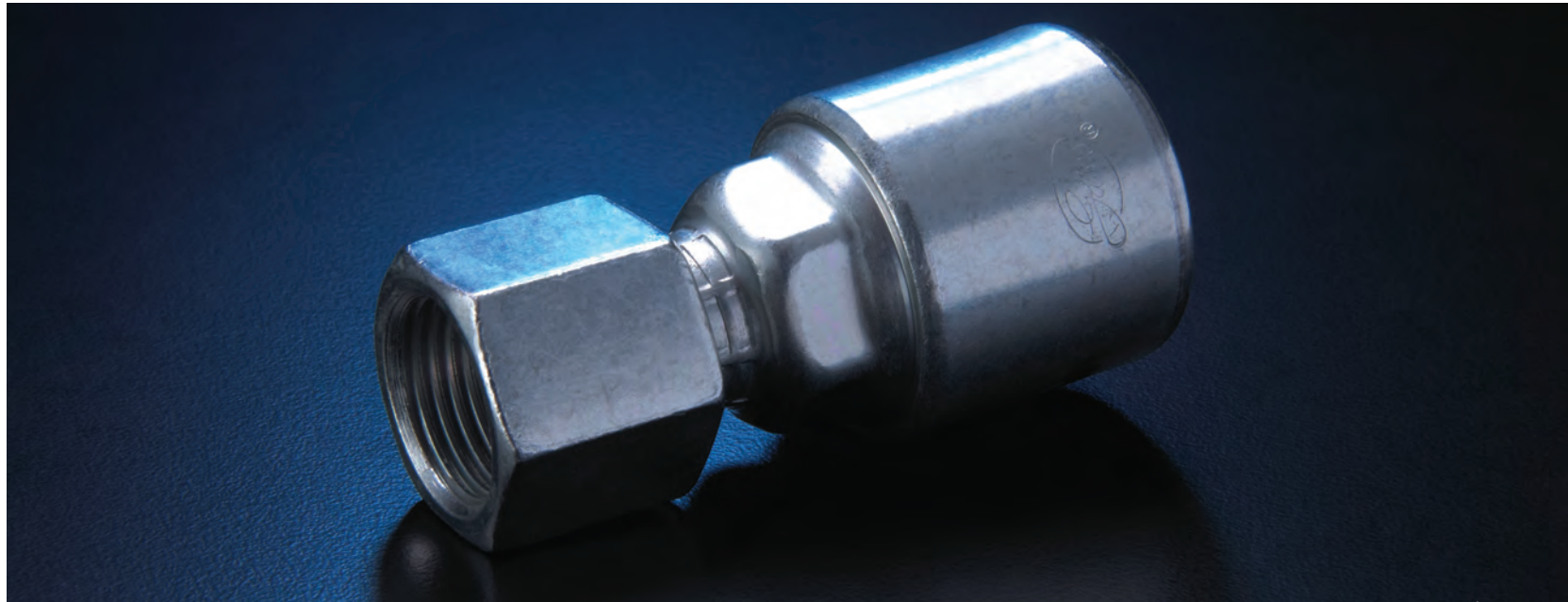
- Exceeds SAE 100R1
- Exceeds SAE 100R12
- Exceeds SAE 100R2
- Exceeds SAE 100R13
- Exceeds SAE 100R15
- \*M3K Exceeds SAE 100R17
- \*\*M4K Exceeds SAE 100R19

## European Norm (EN) Specifications (Chart colors do not correspond to MegaSys hose color key system)

I.D.	04	05	06	08	10	12	16	20	24	32
210bar/3K	M3K	M3K	M3K	M3K	M3K	M3K	M3K	EFG3K	EFG3K	EFG3K
280bar/4K	M4K	M4K	M4K/EFG4K	M4K/EFG4K	M4K/EFG4K	M4K/EFG4K	EFG4K	EFG4K		
350bar/5K	M5K	M5K	M5K	M5K/EFG5K	EFG5K	EFG5K	EFG5K	EFG5K	EFG5K	EFG5K
420bar/6K	M6K		EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K		
560bar/8K						G8K	G8K			

- Exceeds 1SN/1SC
- Exceeds 4SP
- Exceeds 2SN/2SC
- Exceeds 4SH





MegaCrimp<sup>®</sup> Couplings 

GlobalSpiral<sup>™</sup> Couplings 





**The Versatile “No-Weep” Coupling with the Patented “C” Insert**

It’s what’s inside the pre-assembled MegaCrimp coupling that gives it world-class, leak-proof performance. It is designed with a patented “C” insert, attached to the ferrule, that accommodates hoses of different constructions and wall thicknesses. The insert’s design ensures crimping forces are evenly distributed to form a concentric seal.

The “C” insert simplifies inventory requirements since one MegaCrimp coupling size can accommodate various hose outside diameters, on both one- and two-wire braid hydraulic hoses.



*During crimping, only the MegaCrimp coupling’s outside shell takes on the shape of the dies. The “C” insert starts round, stays round – like the hose.*

**Key Features**

- Robust “bite-the-wire” crimp
- Low profile
- Full-stem insertion
- Full-length crimp
- Tested to industry-leading 600,000 impulse cycles
- Simplifies inventory management
- Environmentally-friendly TuffCoat™ plating for 500 percent better corrosion resistance



*Once inserted, MegaCrimp couplings stay put. They don’t fall out.*



*MegaCrimp couplings have an optimum insertion force — not too tight, not too loose — so you can feel them “hit bottom” when inserted.*

**Solid, Leak-Free Couplings**

The majority of hydraulic hose failures occur at the couplings due to blow-offs or leaks. Gates has designed and engineered innovative, robust couplings for MegaSys hoses that provide connections you can count on for superior performance — guaranteed.

**No-Skive Convenience, Reduced Inventory**

GlobalSpiral couplings are specially engineered to provide superior performance for extreme high-pressure, high-impulse spiral-wire hydraulic hose applications. They can be used with all Gates MegaSys four- and six-spiral wire hoses up to 8,000 psi.

The innovative, two-piece, no-skive design reduces assembly time, labor, fabrication errors and contamination of the fluid power system. The work area stays clean, and the odors and dust normally created by skiving are eliminated.

In addition, the two-piece design reduces parts inventory by 30 percent because only one stem is required for all spiral-wire hose types.

**Key Features**

- “Bite-the-wire” crimp for improved coupling retention.
- Over 30 thread configurations to maximize application coverage
- Tested to industry-leading 1,000,000 impulse cycles at +250°F (+121°C)

# Tough Covers that Extend MegaSys Hose Life

Gates abrasion-resistant covers available on MegaSys hoses are tested and proven to stand up under the harshest operating conditions. These covers increase hose service life, lower maintenance and replacement costs, and eliminate the need for costly hose protectors such as spring guards and nylon sleeves.



## MegaTuff® Hose Cover

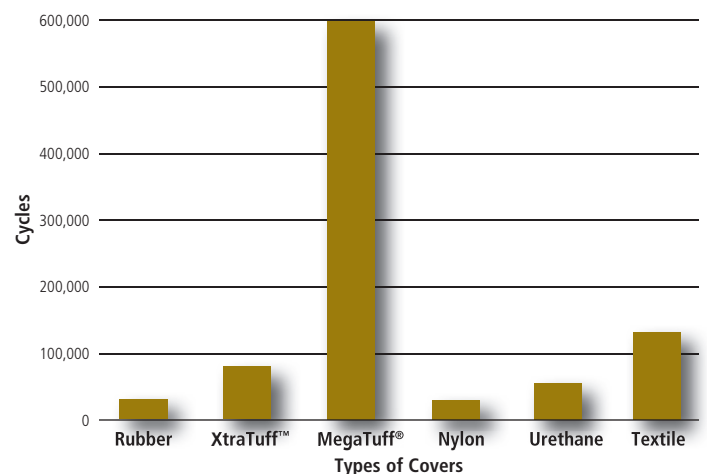
- Super-tough cover solves abrasion and wear problems
- 300 times the abrasion resistance of standard hose covers
- Tested to 1,000,000 cycles without failure
- Resistant to oil, ozone and UV rays
- Outperforms any other abrasion-resistant hose cover on the market today

## XtraTuff™ Hose Cover

- Mid-range abrasion-resistant cover
- 25 times the abrasion resistance of standard hose covers
- Resistant to oil, ozone and UV rays

## Abrasion Testing

ISO6945 — Metal-to-hose rubbing cycles to lose one gram of weight



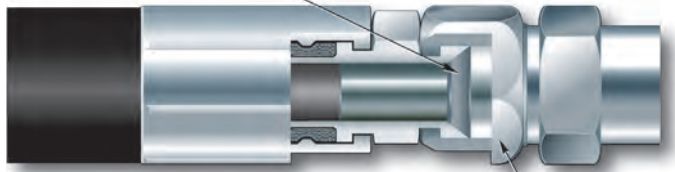


One of the most common causes of hydraulic leaks is a cracked coupling nut or seat due to over-torquing. Gates has engineered a solution – Full-Torque Nut technology which is standard on all MegaCrimp® and GlobalSpiral™ couplings.

Full-Torque Nut couplings are stronger and more durable than traditional staked-nut fittings. A large holding shoulder evenly distributes stress forces at the nut for higher resistance against cracking, even when inadvertently over-torqued. Increase equipment uptime by eliminating damaged couplings and leaks from too much torque.

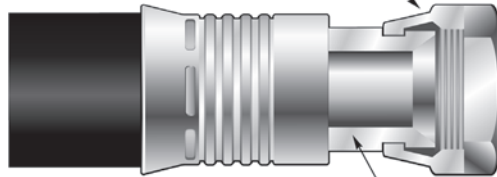
### Over-Torque Protection

Robust swivel joint allows for maximum torque



Up to 24,000 psi burst pressure (-16 size G6K)

Staked-nut provides less burst pressure protection



Swivel joint sensitive to over-torquing

## Full-Torque Nut™ Technology

## TuffCoat™ Plating

### 500+ Percent Better than the 72-Hour SAE Standard

TuffCoat plating sets the global standard in both corrosion resistance and environmental friendliness. Gates has removed all hexavalent chromium from its plating process. This metal, common in industrial plating, is toxic to the environment. Gates engineered TuffCoat plating to be stronger and more resistant to corrosion, without the toxicity of hexavalent chromium.

TuffCoat plating is standard on MegaCrimp® and GlobalSpiral™ couplings.



Competitor Gates Competitor Competitor Competitor

Tested under SAE J516 and ASTM-B-117 salt-spray conditions, TuffCoat plating provided more than 400 hours of protection from red rust formation – over 500 percent better than the 72-hour SAE standard.

The Gates coupling with TuffCoat plating shows no red rust formation. White patches on couplings are salt residue, not corrosion.



All components of the MegaSys product line are tested against industry standards and competitive products. Whether it's a new concept under development or an existing product advancement, the goal is to continually meet or exceed industry standards and outperform the competition.

- MegaSys hoses meet tough flex-impulse testing, up to 1,000,000 cycles, that bends hose during testing and simulates severe equipment applications
- Hose covers are exposed to conditions simulating harsh operating environments to prove they will stand up to abuse, abrasion, oil, chemicals and weathering far beyond ordinary hoses
- Coupling engineering and designs are put to the test to guarantee leak-free performance at today's higher and higher equipment operating pressures
- Component materials, from hose construction to coupling plating, are proven in the lab and in the field to resist the harshest environmental conditions
- Standardized hose, coupling and crimp assembly procedures ensure consistent, reliable performance

## MegaTested for Superior Quality, Reliability and Value

Rigorous testing and product validation have always been central to the Gates philosophy. From product development to the manufacturing line, Gates strives to provide the global marketplace with products that deliver long life, unrivaled performance and the highest possible value.





# Gates Sentry™ Services

The Smart Way to Stay Alert for Hose Problems and Potential Failures

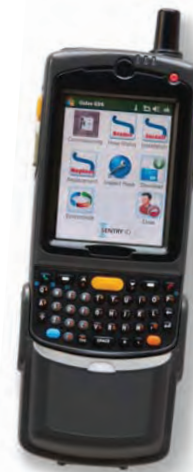
Whether it's a construction site, a mining operation, a wind farm, a marine facility, an offshore platform or anywhere companies depend on fluid power equipment, one thing is for sure: equipment breakdowns are expensive in terms of lost time, production and money.

Hose systems are the lifelines on all types of equipment such as mobile excavators, road graders, construction cranes, drilling rigs, workboats, wind turbines and longwall mining equipment. Keeping track of the condition and performance of the hose systems that power this equipment is essential to maximizing uptime, efficiency and production.

## SENTRY™ SERVICES



Use badge and handheld RFID reader.



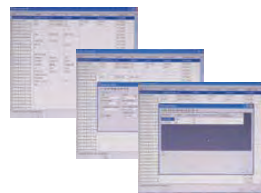
Sentry™ Services combines two invaluable components to help keep equipment up and running:

Sentry IQ™ Service – monitors real-time diagnostic information about the current operating condition and performance of hose assemblies. The service continuously measures operating temperatures, pressures, impulse cycles, etc., to assess remaining hose life to alert users to replace hoses before a predicted hose failure.

Sentry ID™ Service – a unique, radio frequency tagging system providing the capability to identify and track specific hose assemblies operating worldwide.



Installation Software



GPS Downloads



Electronic Control Unit (ECU)



GPS Transmitter/Receiver

### At Your Service

For 100 years, Gates has been a recognized leader in providing global industrial markets with high-quality, reliable, long-lasting belt, hose and hydraulic products.

With the introduction of Sentry Services, Gates enters the world of strategic, high-value, business intelligence services. These breakthrough services are designed to maximize the value of customer investments in Gates products, optimize equipment performance and minimize unnecessary downtime in critical production operations.

Industry has relied on Gates for outstanding products. Now, count on Gates for services to match.



## Exclusive QUICK-PIC™ and AIM™ Programs

### Building Better Inventory Support for Construction Equipment Owners

Gates Construction Distributors have instant access to our exclusive QUICK-PIC™ and AIM™ computer programs and extensive, up-to-date global product data online.

Whether it's a critical failure in the field or regular equipment maintenance in the shop, your Gates Construction Distributor is the one-stop source for all your hydraulic assembly replacement needs.

- Complete equipment coverage
- Accurate, quality parts replacement
- Alternative to high-priced, hard-to-get OEM parts
- Fast, just-in-time service
- Minimal equipment downtime
- Reduced inventory costs
- Gates trust, quality and reliability in every assembly



**QUICK-PIC™**



**AIM™**

### Quick Part Number Interchange

Finds the right replacement assembly in seconds to get equipment back on the job fast.

QUICK-PIC interchanges more than 125,000 construction equipment manufacturer's part numbers with the right, high-quality Gates replacement. Your Gates Construction Distributor can then fabricate a replacement assembly to the right hose length in minutes, including fittings and protectors.

### Accurate Inventory Manager

Matches hose and connector inventory to your equipment.

With AIM, you get the parts you need, when you need them, at a price you can afford. AIM matches your Gates Construction Distributor's inventory to your exact equipment needs – by manufacturer and model.

No more guesswork. No more shopping around for a part. AIM tells your distributor exactly what parts to stock.



## LifeGuard™ Line-of-Sight Sleeving System

**There's a Better Way to Protect Equipment Operators Against Hydraulic Hose Failure.**

A burst or pinhole leak in a hydraulic system can cause serious problems – especially for anything or anyone located within a three-foot line-of-sight. Personal injury. Fluid burns and injection. Fires and explosions. Electrical shock. Mechanical failure.

Now, Gates has engineered the first effective, economical alternative to costly metal shielding or rerouting of hose lines. The LifeGuard™ sleeving system is designed to protect operators, equipment and the environment from the hazards of catastrophic hydraulic hose failure – a level of protection previously unavailable.



*The LifeGuard™ sleeve contained and effectively redirected fluid during 10,000 psi (68.9 MPa) burst tests while hoses without sleeving exploded, releasing a large amount of fluid in the immediate area.*

### How the System Works

The LifeGuard™ sleeve is slipped onto the hose and clamped at each end. If a hose burst or pinhole leak occurs, escaping pressures and fluids are contained by the exceptionally strong sleeving material. Fluids then exit the system via openings created by the specially designed channel clamps at each end. A noticeable pool of leaking fluid serves as positive verification that a failure has occurred so corrective action can be taken immediately to replace the hose assembly. LifeGuard sleeving correlates to a variety of industry standards, including ISO 3457 and MSHA's flame-resistance requirements.

- Provides containment of up to 10,000 psi (68.9 MPa) bursts
- Protects against 5,000 psi (34.5 MPa) pinhole leaks at +212°F (+100°C) for up to five minutes
- Handles hydraulic fluids and biodiesel fuel
- Allows fluid to safely escape down the length of the assembly
- Creates noticeable spill for hose failure detection
- Correlates to ISO 3457 and meets MSHA's flame-resistance requirements
- No other sleeve provides this level of protection
- Patent pending system includes Gates hose, couplings, sleeve and channel clamps



# Training Opportunities

## Gates Customer Solutions Center - Fluid Power Workshops

The Gates Customer Solutions Center (CSC) is a state-of-the-art facility dedicated to leading the industry in customer-focused product development and training in fluid power technology. Staffed by approximately 45 of the top engineers, scientists and technicians in the industry, the facility is headquarters for understanding and meeting customers' fluid power needs.

### Training Workshops for Sales Associates

Specially designed for sales associates, these workshops are designed to expand knowledge in fluid power technology, Gates product offerings, and key marketing and selling benefits.

### Hydraulic and Industrial Hose

These two workshops are combined to leverage your time spent at the Customer Solutions Center as you gain the full benefits of understanding our complete line of Gates Fluid Power Products.



### Hydraulic

The Hydraulic Products Workshop educates associates about fundamental application engineering skills, hose fabrication principles, thread identification, hose routing and installation, and cleanliness standards. Attendees will be engaged in classroom discussions, hands-on training exercises, a CSC tour, and demonstrations in the technical and test lab.

### Industrial Hose

The Industrial Hose Products Workshop includes a comprehensive product review and educates associates about fundamental application engineering skills, key product features and benefits, and provides application and market specific information on each of the products. A tour of the CSC includes the technical and development areas for existing and new industrial hose products.

### VE/VA – Value Engineering/Value Analysis

This workshop is offered for the more advanced sales associate. The core of VE/VA is a comprehensive understanding of the overall functionality of Gates hydraulic products and the value-added benefits to an OEM. The basic principles and benefits of VE/VA will be reviewed and an in-depth hands-on training exercise will be completed.

### Fluid Power “Level I” Certification

A 2- to 3-hour open book test is administered to test the attendees' comprehension and understanding of the training provided during the week. A grade of 80 percent is required to pass. A Gates Fluid Power “Level I” Certificate is awarded.







# Get Connected – Visit Our Website

With technology expanding at ever increasing rates, get the most up-to-date information from our website.

Check out what's new at [www.gates.com](http://www.gates.com)

### Features to look for:

- New product announcements
- Updated hydraulic information
- Electronic product literature
- Email updates on new products and promotions
- Downloadable catalogs: [www.gates.com/catalogs](http://www.gates.com/catalogs)
- Electronic crimp data: [www.gates.com/ecrimp](http://www.gates.com/ecrimp)
- Safety training: [www.gates.com/safehydraulics](http://www.gates.com/safehydraulics)
- Gates rep and distributor locator: [www.gates.com/contact](http://www.gates.com/contact)

### Field Sales Specialists

Training and Sales Support Assistance  
800-777-6363

### Product Application Engineers

Technical Questions on Products  
303-744-5070  
[pa0000@gates.com](mailto:pa0000@gates.com)

### Account Representatives

Fluid Power Customer Service  
800-366-3128



## International Symbols used in this catalog as column headings

Hose:	DESCR	Description
	#	Product Number
		Hose/Tube Inside Diameter (I.D.)
		Hose/Tube Outside Diameter (O.D.)
		Thread Size
		Working Pressure (psi)
		Minimum Burst Pressure (psi)
		Minimum Bend Radius
		Vacuum

Couplings:	A	Hose/Tube Diameter
	C	Cut-Off
	D	Mounting Hole
	F	Flange Head Thickness
	H1	Stem Hex
	H2	Nut Hex
	L	Length
	M	Flange Diameter
	N	Nominal Flange Size
	T	Drop



# Getting the Best Service Life from Gates Hydraulic Hose and Assemblies

How long will a hydraulic hose assembly last? It depends on how it's used. This catalog and other Gates literature show the recommended limits for our assemblies (and also the hoses and couplings used to make assemblies). These limits include installation, maintenance, and conditions of use. These limits MUST be followed or the assembly can fail resulting in personal injury or property damage. If you do not have this important information, you can get it at no cost from your local Gates distributor or Gates field representative.

Hose assemblies in use should be inspected regularly for leaks, kinks, cover blisters, gouges, abrasion and other damage. Damaged or worn assemblies must be replaced immediately. You can increase assembly life if you do the following:

**Hose Assembly Installation<sup>1</sup>** – Hydraulic hose assembly installations should comply with hydraulic hose routing and plumbing standards per SAE J1273 for the proper application of hose assemblies. SAE J1273 recommended practices can be found in this catalog.

**Working Pressure** – The hydraulic system pressure should not exceed the rated working pressure of the hose. Pressure surges or peaks exceeding the rated working pressure are destructive and must be taken into account when selecting a hose.

**Minimum Burst Pressure** – Burst pressures are pressures referred to in this catalog which were intended for destructive testing purposes and for design safety factors only.

**Temperature Range<sup>2</sup>** – Do not expose hose to internal or external temperatures exceeding the recommended limits. Consult additional technical data when hydraulic fluids contain emulsions or solutions. The fluid manufacturer's recommended maximum operating temperature for any given fluid must not be exceeded, regardless of hose temperature range.

<sup>1</sup> SAE provides helpful video and print information that supplements this summary. Contact SAE at 1-877-606-7323 or at [www.sae.org](http://www.sae.org).

<sup>2</sup> Actual service life at temperatures approaching the recommended limit will depend on the particular application and the fluid being used in the hose. Intermittent (up to 10 percent of operating time) refers to momentary temperature surges. Detrimental effects increase with increased exposure to elevated temperatures.

**Fluid Compatibility** – The hydraulic assembly (tube, cover, reinforcement and couplings) must be fluid compatible. The correct hose must be used because phosphate ester and petroleum-based hydraulic fluids have drastically different chemical characteristics. Many hoses are compatible with one or the other, but not all fluids. For example, Gates G2XH, MegaTech<sup>®</sup> and C5D hoses are capable of handling phosphate ester and petroleum-based hydraulic fluids.

**Minimum Bend Radius** – Do not bend or flex hose to a radius smaller than the minimum recommended and do not subject hose to tension or torque. This can place excessive stress on the reinforcement and severely reduce the ability of the hose to withstand pressure.

**Hose Size** – Hose size (inside diameter) must be capable of handling the required flow volume. Too small an I.D. for a given volume of flow results in excessive fluid pressure and heat generation which can result in tube damage.

**Hose Routing** – Restrain, protect or guide hose, with clamps if necessary, to minimize the risk of damage due to excessive flexing, whipping or contacting other moving parts or corrosives. Determine hose lengths and configurations that protect from abrasion, snagging or kinking and provide leak-resistant connections.

**Hose Length** – Correct hose length should include considerations for length changes under pressure, machine vibration and motion, and hose assembly routing.

**Hose Applications** – Select the proper hose for the application. Suction applications (Gates GMV or G4H) and special fluid or high temperature capabilities are among the applications requiring particular consideration and a specific hose. When additional information is required, contact your local Gates representative.

**NOTE:** Do not use Gates hydraulic hose in place of permanent piping.

## Hose Shelf Life

*Storage environment, along with rubber materials can vary the shelf life limit. Shelf life is difficult to quantify as many variables affect the hose. Proper storage precautions can result in three to five years shelf life. Beyond this time there can be a significant service life decrease, depending on storage environment variables. Some variables include:*

- *Temperature* — Hose should be stored in a cool, dry area never exceeding +100°F (+38°C). If stored below freezing, pre-warming may be required prior to handling, testing and placing into service.
- *Direct sunlight, rain, heaters or being near electrical equipment*
- *Humidity and ozone*
- *Oil, solvents, corrosive materials or fumes*
- *Insects or rodents*
- *Radioactivity*
- *Space allowance and bends*

*Store hose in original container. Never stack hose too high, as its weight can crush hose at the bottom of the stack.*

*Gates recommends hose in extended storage be visually inspected and tested prior to use. Hose judged marginal should be replaced to avoid potential failure, property damage or bodily injury. Store hose on a first-in/first-out basis. Unusually long storage, or poor storage environment can deteriorate hose, reduce performance and may lead to premature failure.*





## Notes



## Ultra High Pressure

## G8K Spiral Wire Hose

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** Ultra high-pressure, high-impulse applications such as hydrostatic transmissions, for use in the construction, agriculture, forestry, underground or open pit mining, or other industries on applications where extremely high pressure capability is required. G8K hose and couplings offer industry-leading bend radius capability, which leads to ease of routing and installation, longer hose life in flexing applications, and fewer bent tube fitting requirements.

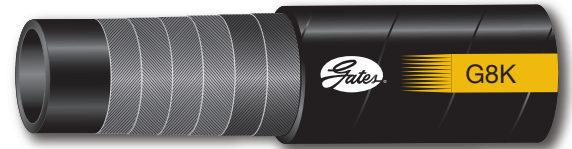
**Tube:** Black, oil-resistant Neoprene Type A tube material allows for the high pressure, high temperature performance required in these demanding applications. See Hose Stock Characteristics.






**Reinforcement:** Six alternating layers of high tensile steel wire spiral construction.

**Cover:** Black, oil resistant, synthetic rubber (Neoprene - Type A), with color coded layline.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
G8K Couplings (Section D)



Description	Product No.						Weight (Lbs.)
12G8KXCTN	4651-1639	3/4	1.36	8,000	32,000	9.5	1.57
16G8KXCTN	4651-1631	1	1.66	8,000	32,000	12.0	2.21

## Extremely High Pressure

## EFG6K Spiral Wire Hose—SAE 100R15

(Meets Flame Resistance Acceptance Designation "MSHA 2G")  
For Biodegradable Hydraulic Fluids

**Recommended For:** Extremely high-pressure, high-impulse applications such as hydrostatic transmissions. EFG6K is designed to meet or exceed all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SP (-6, -8, -10 and -12), EN 856 4SH (-12, -16, and -20), and ISO 3862 Type R15 (-6, -8, -10, -12, -16, -24). Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.






**Reinforcement:** Four (six for -20 and -24) alternating layers of spiraled, high-tensile steel.

**Cover:** Black, oil resistant, synthetic rubber (Neoprene - Type A). Color coded layline. Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
GlobalSpiral™ Couplings (-6 through -20) (Section E)  
GlobalSpiral™ High Pressure Couplings (-24) (Section E)  
Stainless Steel "S" Couplings (Section H)



Description	Product No.						Weight (Lbs.)
6EFG6KXCTN	4651-1396	3/8	0.80	6,000	24,000	2.5	.51
8EFG6KXCTN	4651-1371	1/2	0.95	6,000	24,000	3.5	.59
8EFG6KXLL	4651-1613	1/2	0.95	6,000	24,000	3.5	.58
10EFG6KXCTN	4651-1368	5/8	1.09	6,000	24,000	4.0	.65
10EFG6KXLL	4651-1397	5/8	1.09	6,000	24,000	4.0	.80
12EFG6KXCTN	4651-1288	3/4	1.24	6,000	24,000	4.7	.96
12EFG6KXLL	4651-1398	3/4	1.24	6,000	24,000	4.7	1.00
16EFG6KXCTN	4651-1289	1	1.53	6,000	24,000	6.0	1.49
16EFG6KXLL	4651-1399	1	1.53	6,000	24,000	6.0	1.50
20EFG6KXCTN	4651-1290	1 1/4	1.97	6,000	24,000	8.2	2.67
20EFG6KXLL	4651-1400	1 1/4	1.97	6,000	24,000	8.2	2.67
24EFG6KXCTN	4651-1531	1 1/2	2.26	6,000	24,000	10.0	3.41
24EFG6KXLL	4651-1572	1 1/2	2.26	6,000	24,000	10.0	3.39



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

A23



# EFG6K Spiral Wire Hose—MegaTuff® Cover

Extremely High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”) For Biodegradable Hydraulic Fluids

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Extremely high-pressure, high-impulse applications such as hydrostatic transmissions. EFG6K is designed to meet or exceed all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SP (-6, -8, -10 and -12), EN 856 4SH (-12, -16, and -20), and ISO 3862 Type R15 (-6, -8, -10, -12, -16, -24). Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

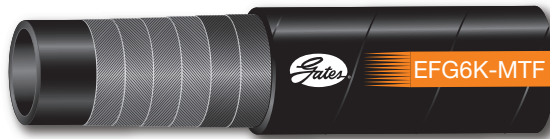
**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four (six for -20 and -24) alternating layers of spiraled, high-tensile steel.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with synthetic rubber (Neoprene - Type A) base, with color coded layline. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
GlobalSpiral™ Couplings (-6 through -20) (Section E)  
GlobalSpiral™ High Pressure Couplings (-24) (Section E)  
Stainless Steel “S” Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
6EFG6K-MTFXCTN	4651-1435	3/8	0.80	6,000	24,000	2.5	.50
8EFG6K-MTFXCTN	4651-1609	1/2	0.95	6,000	24,000	3.5	.60
10EFG6K-MTFXCTN	4651-1416	5/8	1.09	6,000	24,000	4.0	.64
12EFG6K-MTFXCTN	4651-1606	3/4	1.24	6,000	24,000	4.7	1.02
16EFG6K-MTFXCTN	4651-1604	1	1.53	6,000	24,000	6.0	1.30
20EFG6K-MTFXCTN	4651-1601	1 1/4	1.97	6,000	24,000	8.2	2.71
24EFG6KMTFXCTN	4651-1754	1 1/2	2.26	6,000	24,000	10.0	3.75



(Meets Flame Resistance Acceptance Designation “MSHA 2G”)  
For Biodegradable Hydraulic Fluids

**Recommended For:** Extremely high-pressure, high-impulse applications such as hydrostatic transmissions. EFG6K is designed to meet or exceed all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SP (-6, -8, -10 and -12), EN 856 4SH (-12, -16, and -20), and ISO 3862 Type R15 (-6, -8, -10, -12, -16, -24). Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four (six for -20 and -24) alternating layers of spiraled, high-tensile steel.

**Cover:** Black, oil resistant, synthetic rubber (Neoprene - Type A), with color coded layline. Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GlobalSpiral™ Couplings (-6 through -20) (Section E)

GlobalSpiral™ High Pressure Couplings (-24 and -32) (Section E)

Stainless Steel “S” Couplings (Section H)



Description	Product No.	⌀	⌀	⌀	⌀	⌀	Weight (Lbs.)
6EFG5KXCTN	4651-1424	3/8	0.80	5,000	20,000	2.5	.47
8EFG5KXCTN	4651-1372	1/2	0.95	5,000	20,000	3.5	.63
8EFG5KXLL	4651-1612	1/2	0.95	5,000	20,000	3.5	.59
10EFG5KXCTN	4651-1340	5/8	1.09	5,000	20,000	4.0	.65
10EFG5KXLL	4651-1390	5/8	1.09	5,000	20,000	4.0	.78
12EFG5KXCTN	4651-1285	3/4	1.24	5,000	20,000	4.7	.97
12EFG5KXLL	4651-1391	3/4	1.26	5,000	20,000	4.7	.95
16EFG5KXCTN	4651-1286	1	1.53	5,000	20,000	6.0	1.49
16EFG5KXLL	4651-1392	1	1.53	5,000	20,000	6.0	1.55
20EFG5KXCTN	4651-1287	1 1/4	1.97	5,000	20,000	8.2	2.68
20EFG5KXLL	4651-1393	1 1/4	1.97	5,000	20,000	8.2	2.66
24EFG5KXCTN	4651-1455	1 1/2	2.26	5,000	20,000	10.0	2.99
24EFG5KXLL	4651-2208	1 1/2	2.26	5,000	20,000	10.0	3.26
32EFG5KXCTN	4651-1456	2	2.80	5,000	20,000	25.0	4.86
32EFG5KXLL	4651-0059	2	2.80	5,000	20,000	25.0	2.50





# EFG5K Spiral Wire Hose—MegaTuff® Cover

Extremely High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”) For Biodegradable Hydraulic Fluids

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Extremely high-pressure, high-impulse applications such as hydrostatic transmissions. EFG6K is designed to meet or exceed all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SP (-6, -8, -10 and -12), EN 856 4SH (-12, -16, and -20), and ISO 3862 Type R15 (-6, -8, -10, -12, -16, -24). Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

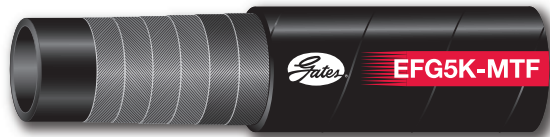
**Reinforcement:** Four (six for -20 and -24) alternating layers of spiraled, high-tensile steel.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with synthetic rubber (Neoprene - Type A) base, with color coded layline. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GlobalSpiral™ Couplings (-6 through -20) (Section E)
- GlobalSpiral™ High Pressure Couplings (-24 and -32) (Section E)
- Stainless Steel “S” Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
6EFG5K-MTFXCTN	4651-1436	3/8	0.80	5,000	20,000	2.5	.51
8EFG5K-MTFXCTN	4651-1608	1/2	0.94	5,000	20,000	3.5	.66
10EFG5K-MTFXCTN	4651-1410	5/8	1.09	5,000	20,000	4.0	.80
12EFG5K-MTFXCTN	4651-1605	3/4	1.24	5,000	20,000	4.7	1.00
16EFG5K-MTFXCTN	4651-1603	1	1.53	5,000	20,000	6.0	.76
16EFG5K-MTFXLL	4651-4001	1	1.53	5,000	20,000	6.0	1.49
20EFG5K-MTFXCTN	4651-1600	1 1/4	1.97	5,000	20,000	8.2	2.82
20EFG5K-MTFXLL	4651-4002	1 1/4	1.97	5,000	20,000	8.2	2.67
24EFG5K-MTFXCTN	4651-2203	1 1/2	2.26	5,000	20,000	10.0	3.26
24EFG5K-MTFXLL	4651-2204	1 1/2	2.26	5,000	20,000	10.0	3.18
32EFG5K-MTFXCTN	4651-1522	2	2.80	5,000	20,000	25.0	4.71
32EFG5K-MTFXLL	4651-2211	2	2.80	5,000	20,000	25.0	4.86



(Meets Flame Resistance Acceptance Designation “MSHA 2G”)  
For Biodegradable Hydraulic Fluids

**Recommended For:** Extremely high-pressure, high-impulse applications. Exceeds all performance requirements for SAE 100R12, EN 856 R12 and ISO 3862 Type R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four alternating layers of spiraled, high-tensile steel wire.

**Cover:** Black, oil resistant, synthetic rubber (Neoprene - Type A), with color coded layline. Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GlobalSpiral™ Couplings (Section E)

Stainless Steel “S” Couplings (Section H)



Description	Product No.	⊖	⊕	⊖	⊕	⊖	⊕	Weight (Lbs.)
6EFG4KXCTN	4651-1338	3/8	0.80	4,000	16,000	2.5		.51
8EFG4KXCTN	4651-1339	1/2	0.94	4,000	16,000	3.5		.63
8EFG4KXLL	4651-1611	1/2	0.94	4,000	16,000	3.5		.61
10EFG4KXCTN	4651-1367	5/8	1.09	4,000	16,000	4.0		.65
10EFG4KXLL	4651-1614	5/8	1.09	4,000	16,000	4.0		.80
12EFG4KXCTN	4651-1282	3/4	1.21	4,000	16,000	4.7		.86
12EFG4KXLL	4651-1385	3/4	1.21	4,000	16,000	4.7		.86
16EFG4KX100FT	4651-1460	1	1.50	4,000	16,000	6.0		1.34
16EFG4KXCTN	4651-1283	1	1.50	4,000	16,000	6.0		1.26
16EFG4KXLL	4651-1386	1	1.50	4,000	16,000	6.0		1.26
20EFG4KXCTN	4651-1284	1 1/4	1.85	4,000	16,000	8.2		1.90
20EFG4KXLL	4651-1387	1 1/4	1.85	4,000	16,000	8.2		1.91







# EFG4K Spiral Wire Hose—MegaTuff® Cover

Extremely High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")  
For Biodegradable Hydraulic Fluids

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Extremely high-pressure, high-impulse applications. Exceeds all performance requirements for SAE 100R12, EN 856 R12 and ISO 3862 Type R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four alternating layers of spiraled, high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with synthetic rubber (Neoprene - Type A) base, with color coded layline. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
GlobalSpiral™ Couplings (Section E)  
Stainless Steel "S" Couplings (Section H)



Description	Product No.						Weight (Lbs.)
6EFG4K-MTFXCTN	4651-1610	3/8	0.80	4,000	16,000	2.5	.49
8EFG4K-MTFXCTN	4651-1607	1/2	0.94	4,000	16,000	3.5	.60
10EFG4K-MTFXCTN	4651-1404	5/8	1.09	4,000	16,000	4.0	.83
12EFG4K-MTFXCTN	4651-1405	3/4	1.21	4,000	16,000	4.7	.88
12EFG4K-MTFXLL	4651-1388	3/4	1.21	4,000	16,000	4.7	.88
16EFG4K-MTFXCTN	4651-1406	1	1.50	4,000	16,000	6.0	1.27
16EFG4K-MTFXLL	4651-1389	1	1.50	4,000	16,000	6.0	1.30
20EFG4K-MTFXCTN	4651-1602	1 1/4	1.85	4,000	16,000	8.2	2.15
20EFG4K-MTFXLL	4651-1638	1 1/4	1.85	4,000	16,000	8.2	.97



(Meets Flame Resistance Acceptance Designation "MSHA 2G")  
For Biodegradable Hydraulic Fluids

**Recommended For:** Extremely high-pressure, high-impulse applications. Exceeds all performance requirements for SAE 100R12, EN 856 R12, performance requirements of EN 856 4SP, and ISO 3862 Type R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four alternating layers of spiraled, high-tensile steel wire.

**Cover:** Black, oil resistant, synthetic rubber (Neoprene - Type A), with color coded layline. Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GSP Couplings (-24 and -32) (Section E)
- GlobalSpiral™ Couplings (-6 through -20) (Section E)
- Stainless Steel "S" Couplings (Section H)



Description	Product No.	⌀	Ø	⊙	⊙	⊙ <sup>R</sup>	Weight (Lbs.)
20EFG3KXCTN	4651-1381	1 1/4	1.85	3,000	12,000	8.2	1.97
20EFG3KXLL	4651-1384	1 1/4	1.85	3,000	12,000	8.2	1.90
24EFG3KXCTN	4651-1451	1 1/2	2.11	3,000	12,000	10.0	2.25
24EFG3KXLL	4651-2207	1 1/2	2.11	3,000	12,000	10.0	2.10
32EFG3K X 50INC	4651-2209	2	2.63	3,000	12,000	25.0	3.00
32EFG3KXCTN	4651-1452	2	2.63	3,000	12,000	25.0	3.09
32EFG3KXLL	4651-2210	2	2.63	3,000	12,000	25.0	2.97





# EFG3K Spiral Wire Hose—MegaTuff® Cover

Extremely High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”) For Biodegradable Hydraulic Fluids

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Extremely high-pressure, high-impulse applications. Exceeds all performance requirements for SAE 100R12, EN 856 R12, performance requirements of EN 856 4SP, and ISO 3862 Type R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four alternating layers of spiraled, high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with synthetic rubber (Neoprene - Type A) base, with color coded layline. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GSP Couplings (-24 and -32) (Section E)
- GlobalSpiral™ Couplings (-6 through -20) (Section E)
- Stainless Steel “S” and “B” Couplings (Section H)



Description	Product No.	⌀	⌀	⊙	⊙	⊙ <sup>R+</sup>	Weight (Lbs.)
20EFG3K-MTFXCTN	4651-1425	1 1/4	2.11	3,000	12,000	8.2	2.00
20EFG3K-MTFXLL	4651-1427	1 1/4	2.11	3,000	12,000	8.2	1.90
24EFG3K-MTFXCTN	4651-2201	1 1/2	2.11	3,000	12,000	10.0	2.41
24EFG3K-MTFXLL	4651-2202	1 1/2	2.11	3,000	12,000	10.0	2.24
32EFG3K-MTFXCTN	4651-2205	1 1/2	2.63	3,000	12,000	25.0	2.99
32EFG3K-MTFXLL	4651-2206	1 1/2	2.63	3,000	12,000	25.0	2.96

# Hot Oiler 2-Wire Braid Hose

High Pressure

**Recommended For:** Static pressure, hot oiler applications. Designed specifically to handle the transfer of hot oil at 275°F continuous, 300°F intermittent to clear the paraffin around the casing to help start the flow of oil to the surface.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

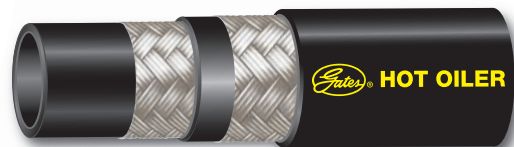
**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Hypalon® - Type M).

**Temperature Range:** -40°F to +300°F (-40°C to +149°C).

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- Field Attachable Type T Couplings (Section O)
- GSP Couplings (Section E)



Description	Product No.	⌀	⌀	⊙	⊙	⊙ <sup>R+</sup>	Weight (Lbs.)
24HOXCTN	4657-0063	1 1/2	2.15	2,300	6,900	20.0	1.60

† Hypalon® is a Registered Trademark of DuPont.



High Pressure

## M-XP™ Million Impulse Xtra Performance Wire Braid Hose

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** High-pressure, high impulse life hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

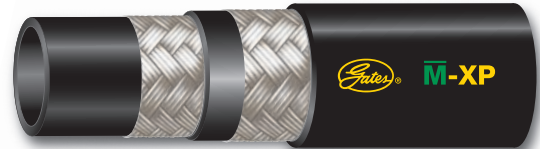
**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
MegaCrimp® Couplings (Section G)



Description	Product No.	⊖	⊕	⊙	⊙	⊙ <sub>R</sub>	Weight (Lbs.)
4M-XPXREEL	4657-4216	1/4	0.51	4,000	16,000	2.0	.20
6M-XPXREEL	4657-4217	3/8	0.61	4,000	16,000	2.5	.30
8M-XPXREEL	4657-4218	1/2	0.82	4,000	16,000	3.5	.36
10M-XPXREEL	4657-4219	5/8	0.96	4,000	16,000	4.0	.51
12M-XPXREEL	4657-4220	3/4	1.17	4,000	16,000	4.7	.69

High Pressure

## Global M6K Mega6000™ Hose

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

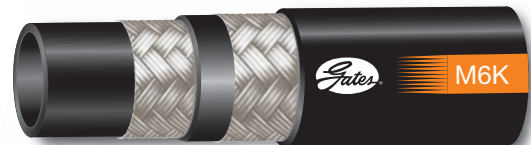
**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
MegaCrimp® Couplings (Section G)  
Stainless Steel "B" Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	⊙ <sub>R</sub>	Weight (Lbs.)
4M6KXREEL	4657-2697	1/4	0.58	6,000	24,000	2.0	.26



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

A31



# Global M5K Mega5000™ Hose

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available with unique abrasion resistant MegaTuff® or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GlobalSpiral™ Couplings (Section E)
- MegaCrimp® Couplings (Section G)
- Stainless Steel “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	⊙ <sub>R</sub>	Weight (Lbs.)
4M5KXREEL	4657-1100	1/4	0.55	5,000	20,000	2.0	.21
5M5KXREEL	4657-8006	5/16	0.61	5,000	20,000	2.2	.25
6M5KXREEL	4657-2695	3/8	0.70	5,000	20,000	2.5	.30
8M5KXREEL	4657-2650	1/2	0.86	5,000	20,000	3.5	.47

# Global M5K Mega5000™ Hose—MegaTuff® Cover

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with synthetic rubber (Neoprene - Type A) base, with color coded layline. Also available in Standard or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GlobalSpiral™ Couplings (Section E)
- MegaCrimp® Couplings (Section G)
- Stainless Steel “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	⊙ <sub>R</sub>	Weight (Lbs.)
4M5K-MTFXREEL	4657-8011	1/4	0.55	5,000	20,000	2.0	.23
5M5K-MTFXREEL	4657-8012	5/16	0.61	5,000	20,000	2.2	.24
6M5K-MTFXREEL	4657-8013	3/8	0.70	5,000	20,000	2.5	.30
8M5K-MTFXREEL	4657-8014	1/2	0.86	5,000	20,000	3.5	.54



(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available in Standard or MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GlobalSpiral™ Couplings (Section E)

MegaCrimp® Couplings (Section G)

Stainless Steel “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⌚	⌚	R <sub>2</sub>	Weight (Lbs.)
4M5K-XTFXREEL	4657-8007	1/4	0.55	5,000	20,000	2.0	.21
5M5K-XTFXREEL	4657-8008	5/16	0.61	5,000	20,000	2.2	.24
6M5K-XTFXREEL	4657-8009	3/8	0.70	5,000	20,000	2.5	.29
8M5K-XTFXREEL	4657-8010	1/2	0.86	5,000	20,000	3.5	.46

(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 R19)

**Recommended For:** High-pressure hydraulic applications. Exceeds SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available with unique abrasion resistant MegaTuff® or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GlobalSpiral™ Couplings (Section E)

MegaCrimp® Couplings (Section G)

Stainless Steel “S” and “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⌚	⌚	R <sub>2</sub>	Weight (Lbs.)
4M4KXBALE	4657-5779	1/4	0.55	4,000	16,000	1.5	.22
4M4KXREEL	4657-1467	1/4	0.55	4,000	16,000	1.5	.22
5M4KXREEL	4657-8015	5/16	0.61	4,000	16,000	1.8	.25
6M4KXBALE	4657-5775	3/8	0.70	4,000	16,000	2.0	.31
6M4KXREEL	4657-1458	3/8	0.70	4,000	16,000	2.0	.31
8M4KXBALE	4657-5776	1/2	0.82	4,000	16,000	2.8	.47
8M4KXREEL	4657-1459	1/2	0.82	4,000	16,000	2.8	.47
10M4KXBALE	4657-5777	5/8	0.99	4,000	16,000	3.0	.53
10M4KXREEL	4657-1460	5/8	0.99	4,000	16,000	3.0	.53
12M4KXBALE	4657-5778	3/4	1.17	4,000	16,000	3.8	.68
12M4KXREEL	4657-1461	3/4	1.17	4,000	16,000	3.8	.67
16M4KXREEL	4657-4051	1	1.52	4,000	16,000	4.5	1.21





# Global M4K Mega4000™ Hose—MegaTuff® Cover

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 R19)

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic applications. Exceeds SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with synthetic rubber (Neoprene - Type A) base, with color coded layline. Also available in Standard or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GlobalSpiral™ Couplings (Section E)
- MegaCrimp® Couplings (Section G)
- Stainless Steel “S” and “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⌚	⌚	⌚ <sup>R</sup>	Weight (Lbs.)
4M4K-MTFXREEL	4657-1477	1/4	0.55	4,000	16,000	1.5	.22
5M4K-MTFXREEL	4657-8017	5/16	0.61	4,000	16,000	1.8	.23
6M4K-MTFXREEL	4657-1479	3/8	0.70	4,000	16,000	2.0	.31
8M4K-MTFXBALE	4657-5016	1/2	0.82	4,000	16,000	2.8	.47
8M4K-MTFXREEL	4657-1480	1/2	0.82	4,000	16,000	2.8	.47
10M4K-MTFXREEL	4657-1481	5/8	0.99	4,000	16,000	3.0	.54
12M4K-MTFXREEL	4657-1482	3/4	1.17	4,000	16,000	3.8	.68
16M4K-MTFXREEL	4657-4053	1	1.52	4,000	16,000	4.5	1.21

# Global M4K Mega4000™ Hose—XtraTuff™ Cover

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 R19)

XtraTuff™ hose lasts up to 25 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic applications. Exceeds SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available in Standard or MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GlobalSpiral™ Couplings (Section E)
- MegaCrimp® Couplings (Section G)
- Stainless Steel “S” and “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⌚	⌚	⌚ <sup>R</sup>	Weight (Lbs.)
4M4K-XTFXREEL	4657-2281	1/4	0.55	4,000	16,000	1.5	.22
5M4K-XTFXREEL	4657-8016	5/16	0.61	4,000	16,000	1.8	.25
6M4K-XTFXREEL	4657-2283	3/8	0.70	4,000	16,000	2.0	.31
8M4K-XTFXREEL	4657-2284	1/2	0.82	4,000	16,000	2.8	.37
10M4K-XTFXREEL	4657-2285	5/8	0.99	4,000	16,000	3.0	.54
12M4K-XTFXREEL	4657-2286	3/4	1.17	4,000	16,000	3.8	.68
16M4K-XTFXREEL	4657-4052	1	1.52	4,000	16,000	4.5	1.18



(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 R19)

**Recommended For:** High-pressure hydraulic applications. Exceeds SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

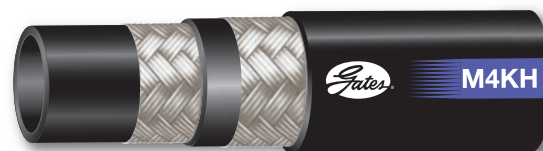
**Reinforcement:** Two braids of high-tensile steel wire.


**Cover:** Black, oil, abrasion and weather resistant, thin synthetic rubber (Neoprene - CR), with color coded layline. Flame resistance - MSHA 2G.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GlobalSpiral™ Couplings (Section E)  
MegaCrimp® Couplings (Section G)  
Stainless Steel “S” and “B” Couplings (Section H)



Description	Product No.						Weight (Lbs.)
4M4KHREEL	4657-2381	1/4	0.55	4,000	16,000	2.0	.22
6M4KHREEL	4657-2383	3/8	0.70	4,000	16,000	2.5	.31
8M4KHREEL	4657-2384	1/2	0.82	4,000	16,000	3.5	.38
10M4KHREEL	4657-2385	5/8	0.99	4,000	16,000	4.0	.55
12M4KHREEL	4657-2386	3/4	1.17	4,000	16,000	4.7	.73

(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 R19)

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic applications. Exceeds SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.



**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with synthetic rubber (Neoprene - Type A) base, with color coded layline. Flame resistance - MSHA 2G.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GlobalSpiral™ Couplings (Section E)  
MegaCrimp® Couplings (Section G)  
Stainless Steel “S” and “B” Couplings (Section H)



Description	Product No.						Weight (Lbs.)
4M4KH-MTFXREEL	4657-2157	1/4	0.55	4,000	16,000	2.0	.22
6M4KH-MTFXREEL	4657-2159	3/8	0.70	4,000	16,000	2.5	.31
8M4KH-MTFXREEL	4657-2160	1/2	0.82	4,000	16,000	3.5	.37
10M4KH-MTFXREEL	4657-2161	5/8	0.99	4,000	16,000	4.0	.54
12M4KH-MTFXREEL	4657-2396	3/4	1.17	4,000	16,000	4.7	.75







## Global M3K Mega3000® Hose—SAE 100R17

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 R17)

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R17 and ISO11237 R17 working pressure, minimum bend radius requirements and performance requirements of EN 857 1SC. M3K hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Braided, high-tensile steel wire. -4, -5, -6 and -8 sizes are one braid; -10, -12 and -16 sizes are two braid.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available with unique abrasion resistant MegaTuff® or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GlobalSpiral™ Couplings (Section E)

MegaCrimp® Couplings (Section G)

Power Crimp® Couplings (-3 only) (Section I)

Stainless Steel “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	⊙ <sub>R</sub>	Weight (Lbs.)
3M3KXREEL	4657-8068	3/16	0.43	3,250	13,000	1.3	.10
4M3KXBALE	4657-5743	1/4	0.48	3,250	13,000	1.5	.12
4M3KXLG REEL	4657-1176	1/4	0.48	3,250	13,000	1.5	.12
4M3KXREEL	4657-1157	1/4	0.48	3,250	13,000	1.5	.12
5M3KXREEL	4657-2216	5/16	0.60	3,250	13,000	1.8	.19
6M3KXBALE	4657-5744	3/8	0.63	3,250	13,000	2.0	.20
6M3KXLG REEL	4657-1177	3/8	0.63	3,250	13,000	2.0	.20
6M3KXREEL	4657-1158	3/8	0.63	3,250	13,000	2.0	.20
8M3KXBALE	4657-5745	1/2	0.80	3,250	13,000	2.8	.30
8M3KXLG REEL	4657-1178	1/2	0.80	3,250	13,000	2.8	.28
8M3KXREEL	4657-1159	1/2	0.80	3,250	13,000	2.8	.28
10M3KXBALE	4657-5746	5/8	0.99	3,250	13,000	3.0	.54
10M3KXLG REEL	4657-0233	5/8	0.99	3,250	13,000	3.0	.54
10M3KXREEL	4657-1173	5/8	0.99	3,250	13,000	3.0	.54
12M3KXBALE	4657-5747	3/4	1.15	3,250	13,000	3.8	.66
12M3KXREEL	4657-0679	3/4	1.15	3,250	13,000	3.8	.66
16M3KXBALE	4657-5748	1	1.48	3,250	13,000	4.5	1.04
16M3KXREEL	4657-1163	1	1.48	3,250	13,000	4.5	1.04



(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 R17)

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R17 and ISO11237 R17 working pressure, minimum bend radius requirements and performance requirements of EN 857 1SC. M3K hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Braided, high-tensile steel wire. -4, -5, -6 and -8 sizes are one braid; -10, -12 and -16 sizes are two braid.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with synthetic rubber (Neoprene - Type A) base, with color coded layline. Also available in Standard or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GlobalSpiral™ Couplings (Section E)
- MegaCrimp® Couplings (Section G)
- Power Crimp® Couplings (-3 only) (Section I)
- Stainless Steel “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
4M3K-MTFXBALE	4657-5769	1/4	0.48	3,250	13,000	1.5	.12
4M3K-MTFXLG REEL	4657-1180	1/4	0.48	3,250	13,000	1.5	.12
4M3K-MTFXREEL	4657-1181	1/4	0.48	3,250	13,000	1.5	.12
6M3K-MTFXBALE	4657-5770	3/8	0.63	3,250	13,000	2.0	.21
6M3K-MTFXLG REEL	4657-1192	3/8	0.63	3,250	13,000	2.0	.21
6M3K-MTFXREEL	4657-1182	3/8	0.63	3,250	13,000	2.0	.21
8M3K-MTFXBALE	4657-5771	1/2	0.80	3,250	13,000	2.8	.30
8M3K-MTFXLG REEL	4657-1193	1/2	0.80	3,250	13,000	2.8	.30
8M3K-MTFXREEL	4657-1183	1/2	0.80	3,250	13,000	2.8	.30
10M3K-MTFXBALE	4657-5772	5/8	0.99	3,250	13,000	3.0	.54
10M3K-MTFXREEL	4657-1184	5/8	0.99	3,250	13,000	3.0	.54
12M3K-MTFXREEL	4657-1185	3/4	1.15	3,250	13,000	3.8	.67
16M3K-MTFXBALE	4657-5774	1	1.48	3,250	13,000	4.8	1.06
16M3K-MTFXREEL	4657-1186	1	1.48	3,250	13,000	4.8	1.06





Global M3K Mega3000® Hose—XtraTuff™ Cover

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 R17)

XtraTuff™ hose lasts up to 25 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

Recommended For: High-pressure hydraulic oil lines. Exceeds SAE 100R17 and ISO11237 R17 working pressure, minimum bend radius requirements and performance requirements of EN 857 1SC. M3K hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

Reinforcement: Braided, high-tensile steel wire. -4, -5, -6 and -8 sizes are one braid; -10, -12 and -16 sizes are two braid.

Cover: Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available in Standard or MegaTuff® cover. See Hose Stock Characteristics.

Temperature Range: -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):

- GlobalSpiral™ Couplings (Section E)
- MegaCrimp® Couplings (Section G)
- Power Crimp® Couplings (-3 only) (Section I)
- Stainless Steel “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
3M3K-XTFXREEL	4657-8069	3/16	0.43	3,250	13,000	1.3	.11
4M3K-XTFXBALE	4657-2434	1/4	0.48	3,250	13,000	1.5	.13
4M3K-XTFXREEL	4657-1097	1/4	0.48	3,250	13,000	1.5	.13
5M3K-XTFXBALE	4657-2628	5/16	0.60	3,250	13,000	1.8	.19
5M3K-XTFXREEL	4657-2300	5/16	0.60	3,250	13,000	1.8	.19
6M3K-XTFXBALE	4657-2627	3/8	0.63	3,250	13,000	2.0	.20
6M3K-XTFXREEL	4657-1098	3/8	0.63	3,250	13,000	2.0	.20
8M3K-XTFXBALE	4657-1099	1/2	0.80	3,250	13,000	2.8	.30
8M3K-XTFXREEL	4657-2248	1/2	0.80	3,250	13,000	2.8	.30
10M3K-XTFXREEL	4657-2249	5/8	0.99	3,250	13,000	3.0	.54
12M3K-XTFXREEL	4657-2250	3/4	1.15	3,250	13,000	3.8	.64
16M3K-XTFXREEL	4657-2307	1	1.48	3,250	13,000	4.5	1.04



(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 R17)

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R17 and ISO11237 R17 requirements and performance requirements of EN 857 1SC. M3KH hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Neoprene CR), with color coded layline. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GlobalSpiral™ Couplings (Section E)  
MegaCrimp® Couplings (Section G)  
Stainless Steel “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	R <sub>2</sub>	Weight (Lbs.)
4M3KHREEL	4657-2664	1/4	0.48	3,250	13,000	2.0	.13
5M3KHREEL	4657-4055	5/16	0.60	3,250	13,000	2.2	.19
6M3KHREEL	4657-2696	3/8	0.65	3,250	13,000	2.5	.21
8M3KHREEL	4657-1360	1/2	0.80	3,250	13,000	3.5	.31
10M3KHREEL	4657-1361	5/8	0.99	3,250	13,000	4.0	.55
12M3KHREEL	4657-1362	3/4	1.15	3,250	13,000	4.8	.65
16M3KHREEL	4657-1363	1	1.48	3,250	13,000	6.0	.94

(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 R17)

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R17 and ISO11237 R17 working pressure, minimum bend radius requirements and performance requirements of EN 857 1SC. M3KH hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with synthetic rubber (Neoprene - Type A) base, with color coded layline. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GlobalSpiral™ Couplings (Section E)  
MegaCrimp® Couplings (Section G)  
Stainless Steel “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	R <sub>2</sub>	Weight (Lbs.)
4M3KH-MTFXREEL	4657-2321	1/4	0.48	3,250	13,000	2.0	.13
6M3KH-MTFXREEL	4657-2323	3/8	0.63	3,250	13,000	2.5	.21
8M3KH-MTFXREEL	4657-2324	1/2	0.80	3,250	13,000	3.5	.27
10M3KH-MTFXREEL	4657-2325	5/8	0.99	3,250	13,000	4.0	.51
12M3KH-MTFXREEL	4657-2326	3/4	1.15	3,250	13,000	4.8	.63
16M3KH-MTFXREEL	4657-2327	1	1.48	3,250	13,000	6.0	1.04



**M2T® MegaFlex® 2-Wire Braid Hose—SAE 100R16**

High Pressure

**(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 2SC R16)**

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R16 and ISO11237 2SC R16 requirements and performance requirements of EN 857 2SC. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.






**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available with unique abrasion resistant MegaTuff® or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GlobalSpiral™ Couplings (Section E)  
MegaCrimp® Couplings (Section G)  
Stainless Steel “B” Couplings (Section H)



Description	Product No.						Weight (Lbs.)
4M2TXBALE	4657-5728	1/4	0.56	6,000	24,000	1.5	.22
4M2TXREEL	4657-1552	1/4	0.56	6,000	24,000	1.5	.21
6M2TXBALE	4657-5729	3/8	0.69	5,000	20,000	2.0	.31
6M2TXLRG REEL	4657-1492	3/8	0.70	5,000	20,000	2.0	.30
6M2TXREEL	4657-1555	3/8	0.70	5,000	20,000	2.0	.30
8M2TXBALE	4657-5730	1/2	0.82	4,300	17,200	2.8	.37
8M2TXLRG REEL	4657-1493	1/2	0.82	4,300	17,200	2.8	.37
8M2TXREEL	4657-1559	1/2	0.82	4,300	17,200	2.8	.35
10M2TXBALE	4657-5577	5/8	0.95	3,800	15,200	3.0	.45
10M2TXREEL	4657-1563	5/8	0.95	3,800	15,200	3.0	.44
12M2TXBALE	4657-5732	3/4	1.11	3,500	14,000	3.8	.54
12M2TXREEL	4657-1567	3/4	1.11	3,500	14,000	3.8	.54
16M2TXREEL	4657-1571	1	1.39	2,500	10,000	4.5	.73



(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 2SC R16)

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R16 and ISO11237 2SC R16 working pressure, minimum bend radius requirements and performance requirements of EN 857 2SC. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.






**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with synthetic rubber (Neoprene - Type A) base, with color coded layline. Also available in Standard or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GlobalSpiral™ Couplings (Section E)
- MegaCrimp® Couplings (Section G)
- Stainless Steel “B” Couplings (Section H)



Description	Product No.						Weight (Lbs.)
4M2T-MTFXBALE	4657-5764	1/4	0.56	6,000	24,000	1.5	.22
4M2T-MTFXREEL	4657-0222	1/4	0.56	6,000	24,000	1.5	.22
6M2T-MTFXBALE	4657-5765	3/8	0.70	5,000	20,000	2.0	.31
6M2T-MTFXREEL	4657-0223	3/8	0.70	5,000	20,000	2.0	.31
8M2T-MTFXBALE	4657-5766	1/2	0.82	4,300	17,200	2.8	.38
8M2T-MTFXREEL	4657-0224	1/2	0.82	4,300	17,200	2.8	.38
10M2T-MTFXREEL	4657-0225	5/8	0.95	3,800	15,200	3.0	.46
12M2T-MTFXREEL	4657-0226	3/4	1.11	3,500	14,000	3.8	.55
16M2T-MTFXREEL	4657-0227	1	1.39	2,500	10,000	4.5	.75



# M2T® MegaFlex® 2-Wire Braid Hose—XtraTuff™

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”, and ISO11237 2SC R16)

XtraTuff™ hose lasts up to 25 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R16 and ISO11237 2SC R16 working pressure, minimum bend radius requirements and performance requirements of EN 857 2SC. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available in Standard or MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GlobalSpiral™ Couplings (Section E)
- MegaCrimp® Couplings (Section G)
- Stainless Steel “B” Couplings (Section H)



Description	Product No.	⌀	IO	⊙	⊙	⊙	Weight (Lbs.)
4M2T-XTFXREEL	4657-4138	1/4	0.56	6,000	24,000	1.5	.21
6M2T-XTFXREEL	4657-4302	3/8	0.70	5,000	20,000	2.0	.31
8M2T-XTFXREEL	4657-4304	1/2	0.82	4,300	17,200	2.8	.36
10M2T-XTFXREEL	4657-4307	5/8	0.95	3,800	15,200	3.0	.46
12M2T-XTFXREEL	4657-4310	3/4	1.11	3,500	14,000	3.8	.57
16M2T-XTFXREEL	4657-4313	1	1.39	2,500	10,000	4.5	.77

# CM2T MegaFlex® Connected Twin-Line 2-Wire Braid—SAE 100R16

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic oil lines joined together for easier plumbing and routing. Meets SAE 100R16 requirements. CM2T hose has smaller exterior dimensions and significantly tighter bend radius. Exceeds performance standards of EN 857 2SC and ISO/DIS 1436.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- MegaCrimp® Couplings (Section G)



Description	Product No.	⌀	IO	⊙	⊙	⊙	Weight (Lbs.)
6CM2TDL-XTFXCTN	4657-4974	3/8	0.70	4,800	19,200	3.5	.58
8CM2TDL-XTFXCTN	4657-4975	1/2	0.82	4,000	16,000	5.0	.72



(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2, ISO1436 2SN R2 and EN 853 2SN.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, thin synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

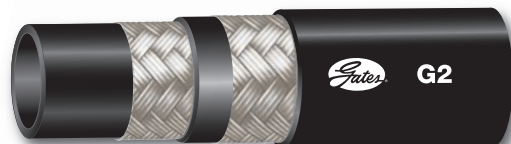
Field Attachable Type T Couplings (Section O)

GSP Couplings (-24 and -32) (Section E)

GlobalSpiral™ Couplings (Section E)

MegaCrimp® Couplings (except -24 and -32) (Section G)

Stainless Steel “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
3G2XREEL	4657-2182	3/16	0.52	6,025	24,100	3.5	.21
4G2XBALE	4657-5708	1/4	0.59	5,800	23,200	4.0	.27
4G2XREEL	4657-0125	1/4	0.59	5,800	23,200	4.0	.27
6G2XBALE	4657-5709	3/8	0.74	4,800	19,200	5.0	.36
6G2XREEL	4657-0126	3/8	0.74	4,800	19,200	5.0	.34
8G2XBALE	4657-5710	1/2	0.86	4,000	16,000	7.0	.45
8G2XREEL	4657-0127	1/2	0.86	4,000	16,000	7.0	.44
10G2XBALE	4657-5711	5/8	0.99	3,625	14,500	8.0	.54
10G2XREEL	4657-0132	5/8	0.99	3,625	14,500	8.0	.54
12G2XBALE	4657-5712	3/4	1.15	3,100	12,400	9.5	.63
12G2XREEL	4657-0128	3/4	1.15	3,100	12,400	9.5	.63
16G2XBALE	4657-1094	1	1.48	2,400	9,600	12.0	.96
16G2XREEL	4657-0129	1	1.48	2,400	9,600	12.0	.96
20G2XCTN	4657-0644	1 1/4	1.86	1,825	7,300	16.5	1.50
24G2XCTN	4657-2491	1 1/2	2.11	1,300	5,200	20.0	1.77
32G2XCTN	4657-2492	2	2.62	1,175	4,700	25.0	2.25







# G2XH 2-Wire Braid Extreme Heat Hose—SAE 100R2

High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** High-pressure hydraulic applications where pressure or temperature requirements exceed SAE 100R2, ISO1436 2SN R2 and EN 853 2SN or where resistance to either petroleum-base or phosphate ester fluids is required. Meets SAE J1942 requirements.

**Tube:** Black, oil and chemical resistant, synthetic rubber (CPE).

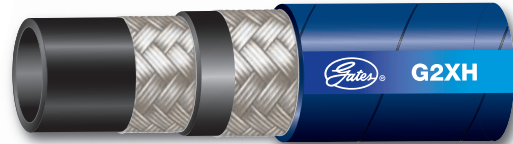
**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Blue, oil and abrasion resistant, thin synthetic rubber Hypalon®. Flame resistance - U.S. MSHA 2G.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F. For water emulsions: Max. +225°F Pressure lines, Max +180°F Return lines.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GlobalSpiral™ Couplings (Section E)
- MegaCrimp® Couplings (Section G)



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Weight (Lbs.)
4G2XHREEL	4657-2541	1/4	0.59	6,000	24,000	4.0	.30
6G2XHREEL	4657-2542	3/8	0.74	5,000	20,000	5.0	.39
8G2XHREEL	4657-2543	1/2	0.86	4,250	17,000	7.0	.47
10G2XHREEL	4657-2544	5/8	0.99	3,625	14,500	8.0	.56
12G2XHREEL	4657-2545	3/4	1.15	3,100	12,400	9.5	.68
16G2XHREEL	4657-2546	1	1.48	2,500	10,000	12.0	1.02
20G2HXCTN	4657-4005	1 1/4	1.86	2,250	9,000	16.5	1.51

† Hypalon® is a Registered Trademark of DuPont.

# Global G2H High-Temp 2-Wire Braid Hose

High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2, ISO1436 2SN R2 and EN 853 2SN.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil resistant, synthetic rubber (Hypalon® - Type M). Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- Field Attachable Type T Couplings (Section O)
- GSP Couplings (-24 and -32) (Section E)
- MegaCrimp® Couplings (-20) (Section G)



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Weight (Lbs.)
20G2HXCTN	4657-0930	1 1/4	1.86	1,650	6,500	16.5	1.52
24G2HXCTN	4657-0931	1 1/2	2.11	1,300	5,200	20.0	1.80
32G2HXCTN	4657-0932	2	2.62	1,175	4,700	25.0	2.29

† Hypalon® is a Registered Trademark of DuPont.



## High Pressure

## Global G2H High-Temp—MegaTuff® Cover

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2, ISO1436 2SN R2 and EN 853 2SN.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber and MegaTuff® cover. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

Field Attachable Type T Couplings (Section O)

GSP Couplings (-24 and -32) (Section E)

MegaCrimp® Couplings (-20) (Section G)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
20G2H-MTFXCTN	4657-2573	1 1/4	1.87	1,650	6,500	16.5	1.52
24G2H-MTFXCTN	4657-2151	1 1/2	2.15	1,300	5,200	20.0	1.41
32G2H-MTFXCTN	4657-2152	2	2.65	1,175	4,700	25.0	1.79

## High Pressure

## Global G2L PolarFlex® Hose—SAE 100R2 Type AT

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2, ISO1436 2SN R2 and EN 853 2SN. Qualified to Mil-DTL-13531 Type II Class B.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, thin synthetic rubber (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** -70°F to +212°F (-57°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

Field Attachable Type T Couplings (Section O)

GSP Couplings (-24 and -32) (Section E)

MegaCrimp® Couplings (except -24 and -32) (Section G)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
4G2LXREEL	4657-2202	1/4	0.59	5,800	23,200	4.0	.26
6G2LXREEL	4657-2203	3/8	0.74	4,800	19,200	5.0	.38
8G2LXREEL	4657-2204	1/2	0.86	4,000	16,000	7.0	.46
10G2LXREEL	4657-2205	5/8	0.99	3,625	14,500	8.0	.55
12G2LXREEL	4657-2206	3/4	1.15	3,100	12,400	9.5	.65
16G2LXREEL	4657-2207	1	1.48	2,400	9,600	12.0	.98
20G2LXCTN	4657-2208	1 1/4	1.84	1,825	7,300	16.5	1.53
24G2LXCTN	4657-2315	1 1/2	2.12	1,300	5,200	20.0	.90
32G2LXCTN	4657-2316	2	2.62	1,175	4,700	25.0	2.15



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

A45



# J2AT 2-Wire Braid Jack Hose—10,000 Static Pressure Only

High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** Hydraulic jack applications. Meets Material Handling Institute specification IJ 100 for hydraulic hose and assemblies used with jacking systems. 10,000 Static Pressure Only

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Modified Nitrile - Type C2). Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +120°F (-40°C to +49°C).

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

Use MegaCrimp® Male Pipe Long Nose Couplings on jack end of assembly for engagement. (Section G)



Description	Product No.						Weight (Lbs.)
4J2ATXREEL	4657-1400	1/4	0.59	10,000	20,000	4.0	.27
6J2ATXREEL	4657-1404	3/8	0.74	10,000	20,000	5.0	.38

# J2AT 2-Wire Braid Jack Hose—MegaTuff® Cover—10,000 Static Pressure Only

High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Hydraulic jack applications. Meets Material Handling Institute specification IJ 100 for hydraulic hose and assemblies used with jacking systems. 10,000 Static Pressure Only

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber and MegaTuff® cover. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +120°F (-40°C to +49°C).

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

Use MegaCrimp® Male Pipe Long Nose Couplings on jack end of assembly for engagement. (Section G)



Description	Product No.						Weight (Lbs.)
4J2AT-MTFXREEL	4657-1188	1/4	0.59	10,000	20,000	4.0	.27
6J2AT-MTFXREEL	4657-1189	3/8	0.74	10,000	20,000	5.0	.39



(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** Medium pressure hydraulic lines. Meets or exceeds the requirements of SAE 100R1, ISO 1436 1SNR1 and EN 853 1SN.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- Field Attachable Type T Couplings (Section O)
- GSP Couplings (-3 only) (Section E)
- MegaCrimp® Couplings (except -3, -24 and -32) (Section G)
- Stainless Steel “B” Couplings (Section H)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
3G1XBALE	4657-5700	3/16	0.47	3,625	14,500	3.0	.13
3G1XREEL	4657-0599	3/16	0.47	3,625	14,500	3.0	.13
4G1XBALE	4657-5717	1/4	0.53	3,275	13,100	4.0	.16
4G1XREEL	4657-0120	1/4	0.53	3,275	13,100	4.0	.16
5G1XREEL	4657-0116	5/16	0.60	3,125	12,500	4.5	.18
6G1XBALE	4657-5703	3/8	0.68	2,600	10,400	5.0	.24
6G1XREEL	4657-0121	3/8	0.68	2,600	10,400	5.0	.23
8G1XBALE	4657-5704	1/2	0.80	2,325	9,300	7.0	.29
8G1XLG REEL	4657-2645	1/2	0.80	2,325	9,300	7.0	.29
8G1XREEL	4657-0122	1/2	0.80	2,325	9,300	7.0	.29
10G1XBALE	4657-5705	5/8	0.93	1,900	7,600	8.0	.34
10G1XREEL	4657-0115	5/8	0.93	1,900	7,600	8.0	.33
12G1XBALE	4657-5706	3/4	1.09	1,525	6,100	9.0	.43
12G1XREEL	4657-0123	3/4	1.09	1,525	6,100	9.0	.42
16G1XBALE	4657-5707	1	1.40	1,275	5,100	12.0	.62
16G1XREEL	4657-0124	1	1.40	1,275	5,100	12.0	.62
20G1XBALE	4657-5702	1 1/4	1.71	925	3,700	16.0	.92
20G1XCTN	4657-0646	1 1/4	1.71	925	3,700	16.0	.92
24G1XCTN	4657-2489	1 1/2	1.96	725	2,900	20.0	1.04
32G1XCTN	4657-2490	2	2.51	600	2,400	25.0	1.48





G1H 1-Wire Braid Hose—High-Temp—SAE 100R1 Type AT

Medium Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

Recommended For: Medium pressure hydraulic oil lines. Meets or exceeds requirements of SAE 100R1 Type AT.

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

Reinforcement: One braid of high-tensile steel wire.

Cover: Black, oil and abrasion resistant, synthetic rubber (Hypalon® - Type M).

Temperature Range: -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):

- GSP Couplings (-24 and -32) (Section E)
MegaCrimp® Couplings (except -24 and -32) (Section G)
Stainless Steel "B" Couplings (-24 and -32 only) (Section H)



Table with 8 columns: Description, Product No., and various technical specifications including diameters and weights.

† Hypalon® is a Registered Trademark of DuPont.

RFS Red Fire Suppressant Hose

Medium Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

Recommended For: Low-pressure powder fire suppressant applications in mining, forestry and fire fighting equipment. The red cover is for easy visual identification in these applications. Meets performance requirements of SAE 100R1.

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

Reinforcement: One braid of high-tensile steel wire.

Cover: Red, oil and abrasion resistant (Modified Nitrile - Type C2).

Temperature Range: -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):

- MegaCrimp® Couplings (Section G)
Power Crimp® Couplings (-3 only) (Section I)

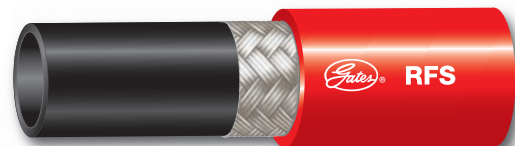


Table with 8 columns: Description, Product No., and various technical specifications including diameters and weights.



**Recommended For:** Multi-purpose high-pressure, high-temperature, air compressor lines, petroleum-base or phosphate ester hydraulic fluid supply lines. Meets the requirements of SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Meets or exceeds the requirements of SAE 100R2 and SAE 100R2 Type S.

**Tube:** Black, oil resistant, synthetic rubber (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Blue, oil and abrasion resistant, polyester braid.

**Temperature Range:** -40°F to +300°F (-40°C to +149°C).

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GSP Couplings (-24 and -32) (Section E)
- MegaCrimp® Couplings (-20 only) (Section G)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
20ACP MEGATECHIIIXCTN	4657-8018	1 1/4	1.89	2,250	9,000	15.0	1.58
24ACP MEGATECHIIIXCTN	4657-2484	1 1/2	2.13	1,500	6,000	20.0	1.74
32ACP MEGATECHIIIXCTN	4657-2485	2	2.61	1,300	5,200	25.0	2.18

MegaTech® 3000 High-Temp Oil/Air Return

**Recommended For:** For pressurized hot oil return lines and rotary oil lines. Meets the requirements of SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils.

**Tube:** True-bore GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J).

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- MegaCrimp® Couplings (Section G)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
4MEGATECH 3000XREEL	4657-2373	1/4	0.59	3,000	12,000	2.0	.25
6MEGATECH 3000XREEL	4657-2374	3/8	0.74	3,000	12,000	2.5	.35
8MEGATECH 3000XREEL	4657-2319	1/2	0.86	3,000	12,000	3.5	.37





# MegaTech® 1000 High-Temp Oil/Air Return

Fleet Application

**Recommended For:** Air brake, pressurized hot oil return lines and rotary oil/air compressor lines. Meets the requirements of DOT FMVSS 106-74, SAE J1402, for Air Brake Hose (-4, 6, 8, 10), and SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Not recommended for gasoline or diesel fuel applications.

**Tube:** GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
MegaCrimp® Couplings (Section G)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
4MEGATECH 1000XREEL	4657-2332	1/4	0.52	1,000	4,000	2.0	.11
6MEGATECH 1000XREEL	4657-2297	3/8	0.66	1,000	4,000	2.5	.20
8MEGATECH 1000XREEL	4657-2334	1/2	0.80	1,000	4,000	3.5	.24
10MEGATECH 1000XREEL	4657-2335	5/8	0.93	1,000	4,000	4.0	.33
12MEGATECH 1000XREEL	4657-2336	3/4	1.15	1,000	4,000	4.7	.40
16MEGATECH 1000XREEL	4657-2337	1	1.37	1,000	4,000	6.0	.52
20MEGATECH 1000XCTN	4657-2338	1 1/4	1.64	1,000	4,000	8.5	.83

NOTE: Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.

# MegaTech® 500 High-Temp Oil/Air Return

Fleet Application

**Recommended For:** For air brake hose, pressurized hot oil return lines and rotary oil/air compressor lines. Meets the requirements of SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Not recommended for gasoline or diesel fuel applications.

**Tube:** GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
GL Couplings (Section J)  
GSP Couplings (-24 and -32) (Section E)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
24MEGATECH 500XCTN	4657-0204	1 1/2	1.95	500	2,000	15.0	1.00
32MEGATECH 500XCTN	4657-0205	2	2.48	500	2,000	18.0	1.38
40MEGATECH 500XCTN	4657-0206	2 1/2	2.97	500	2,000	22.0	1.47
48MEGATECH 500XCTN	4657-0207	3	3.50	500	2,000	24.0	1.84



## MegaTech® 250 High-Temp Transmission Oil Cooler (TOC) Hose

**Recommended For:** High-temperature (300°F) transmission oil cooler lines, pressurized hot oil return lines and turbocharger oil supplies. Meets or exceeds SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Not recommended for gasoline or diesel fuel applications.

**Tube:** GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GLP Couplings (-4 through -12) (Section J)  
MegaCrimp® Couplings (Section G)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
4MEGATECH 250XREEL	4657-2339	1/4	0.52	250	1,000	1.0	.09
6MEGATECH 250XREEL	4657-2340	3/8	0.64	250	1,000	1.8	.13
8MEGATECH 250XREEL	4657-2341	1/2	0.78	250	1,000	2.5	.17
10MEGATECH 250XREEL	4657-2342	5/8	0.93	250	1,000	3.0	.24
12MEGATECH 250XREEL	4657-2343	3/4	1.06	250	1,000	3.5	.28
16MEGATECH 250XREEL	4657-2344	1	1.36	250	1,000	4.0	.44
20MEGATECH 250XCTN	4657-2345	1 1/4	1.65	250	1,000	4.5	.56

## MegaTech® G5TB Extreme Heat Oil/Air Return

**Recommended For:** For pressurized hot oil return lines and rotary oil lines. Meets the requirements of SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils.

**Tube:** True-bore GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J).

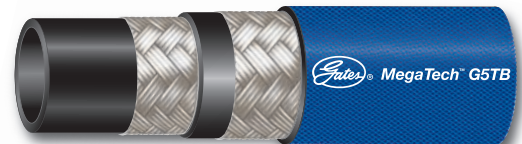
**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Blue, oil and mildew resistant textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GL Couplings (-24 and -32 only) (Section J)  
MegaCrimp® Couplings (Section G)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
4MEGATECH G5TBXREEL	4657-2183	1/4	0.59	3,000	12,000	2.0	.24
6MEGATECH G5TBXREEL	4657-2184	3/8	0.74	3,000	12,000	2.5	.35
8MEGATECH G5TBXREEL	4657-2185	1/2	0.86	3,000	12,000	3.5	.37
10MEGATECH G5TBXREEL	4657-2186	5/8	0.95	2,000	8,000	4.0	.39
12MEGATECH G5TBXREEL	4657-2187	3/4	1.10	2,000	8,000	4.7	.59
16MEGATECH G5TBXREEL	4657-2188	1	1.37	1,000	4,000	6.0	.52
20MEGATECH G5TBXCTN	4657-2189	1 1/4	1.67	1,000	4,000	8.5	.95
24MEGATECH G5TBXCTN	4657-2190	1 1/2	1.95	500	2,000	9.5	1.11
32MEGATECH G5TBXCTN	4657-2191	2	2.53	500	2,000	10.5	1.61







## M500 Wire Braid Hose

Low Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** Pilot lines, grease lines and pressure return lines, 500 psi or less pressure applications.

**Tube:** Black, oil resistant, synthetic rubber (NBR).

**Reinforcement:** One braid of high-tensile steel wire.

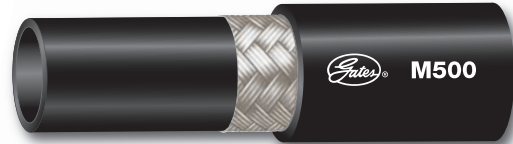
**Cover:** Black, oil and abrasion resistant, synthetic rubber, flame resistance. Also available with unique abrasion resistant XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C).

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GLP Couplings (Section J)

MegaCrimp® Couplings (Section G)



Description	Product No.	⊖	⊕	⌚	⌚	⌚	Weight (Lbs.)
4M500XREEL	4657-8027	1/4	0.48	500	2,000	2.0	.12
6M500XREEL	4657-8028	3/8	0.63	500	2,000	2.5	.19
8M500XREEL	4657-8029	1/2	0.76	500	2,000	3.5	.26
10M500XREEL	4657-8030	5/8	0.93	500	2,000	4.0	.34
12M500XREEL	4657-8031	3/4	1.09	500	2,000	4.7	.46
16M500XREEL	4657-8032	1	1.40	500	2,000	6.0	.63

## M500 XtraTuff™ Wire Braid Hose

Low Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** Pilot lines, grease lines and pressure return lines, 500 psi or less pressure applications.

**Tube:** Black, oil resistant, synthetic rubber (NBR).

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber, flame resistance. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C).

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GLP Couplings (Section J)

MegaCrimp® Couplings (Section G)



Description	Product No.	⊖	⊕	⌚	⌚	⌚	Weight (Lbs.)
4M500-XTFXREEL	4657-8033	1/4	0.48	500	2,000	2.0	.11
6M500XTFXREEL	4657-8034	3/8	0.63	500	2,000	2.5	.18
8M500-XTFXREEL	4657-8035	1/2	0.76	500	2,000	3.5	.26
10M500-XTFXREEL	4657-8036	5/8	0.93	500	2,000	4.0	.35
12M500XTFXREEL	4657-8037	3/4	1.09	500	2,000	4.7	.45
16M500-XTFXREEL	4657-8038	1	1.40	500	2,000	6.0	.64



## TR500 High-Temp/Air Brake/Engine Hose

**Recommended For:** Air brake hose, high temperature pressurized oil return lines and rotary oil/air compressor lines, engine and transmission coolant lines and lube oil lines. Meets or exceeds DOT FMVSS 106-74, SAE J1402 for air brake hose (4, 6, 8, 10). Not recommended for gasoline or diesel fuel applications.

**Tube:** Black (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

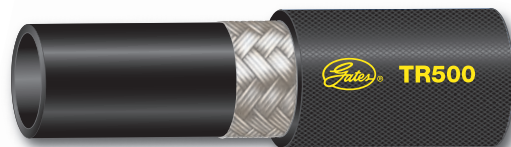
**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GLP Couplings (Section J)

MegaCrimp® Couplings (Section G)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Weight (Lbs.)
4TR500XREEL	4657-2228	1/4	0.51	500	2,000	1.0	.12
6TR500XREEL	4657-2520	3/8	0.66	500	2,000	1.8	.19
8TR500XREEL	4657-2521	1/2	0.80	500	2,000	2.3	.23
10TR500XREEL	4657-2229	5/8	0.93	500	2,000	2.8	.29
12TR500XREEL	4657-2230	3/4	1.04	500	2,000	3.5	.34
16TR500XREEL	4657-2231	1	1.30	500	2,000	4.5	.45

*NOTE: Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.*

## Medium Pressure

## G3H High-Temp 2-Fiber Braid Hose—SAE 100R3

**Recommended For:** Hydraulic oil lines, anti-freeze solutions or water. Meets or exceeds requirements of SAE 100R3.

**Tube:** Black, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two fiber braids.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** For hydraulic oil lines -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

MegaCrimp® Couplings (-4, -6, -8, -10) (Section G)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	⊙	Weight (Lbs.)
4G3HXCTN	3319-0088	1/4	0.56	1,250	5,000	3.0	28	.13
5G3HXCTN	3319-4287	5/16	0.66	1,200	4,800	3.5	28	.24
6G3HXCTN	3319-0087	3/8	0.75	1,125	4,500	4.0	28	.22
8G3HXCTN	3319-0090	1/2	0.94	1,000	4,000	5.0	28	.32
10G3HXCTN	3319-4288	5/8	1.10	900	3,600	5.5	28	.38
12G3HXCTN	3319-0091	3/4	1.25	750	3,000	6.0	28	.48
16G3HXCTN	3319-0092	1	1.50	565	2,260	8.0	20	.62
20G3HXCTN	3319-0071	1 1/4	1.75	375	1,500	10.0	15	.74
24G3HXCTN	3319-4289	1 1/2	1.94	300	1,200	12.0	10	.88





### GTH High-Temp 1-Fiber Braid Hose—SAE 100R6

Low Pressure

**Recommended For:** Hydraulic oil lines, heavy-duty transmission oil cooler lines and glycol anti-freeze solutions. Meets or exceeds requirements of SAE 100R6.

**Tube:** Black, specially compounded, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

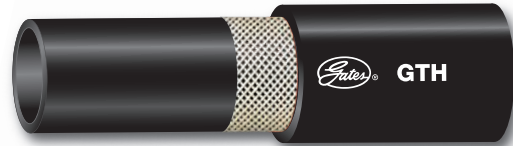
**Reinforcement:** One fiber braid.







**Cover:** Black, oil and abrasion resistant, synthetic rubber (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** For hydraulic oil lines -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GLP Couplings (except -3 and -5) (Section J)
- MegaCrimp® Couplings (except -3) (Section G)
- Power Crimp® Couplings (-3 only) (Section I)



Description	Product No.							Weight (Lbs.)
3GTHXCTN	3319-3301	3/16	0.44	500	2,000	2.0	28	.08
4GTHXCTN	3319-3305	1/4	0.50	400	1,600	2.5	28	.09
5GTHXCTN	3319-3310	5/16	0.56	400	1,600	3.0	28	.11
8GTHXCTN	3319-3320	1/2	0.78	400	1,600	4.0	18	.18
10GTHXCTN	3319-3325	5/8	0.91	350	1,400	5.0	15	.21
12GTHXCTN	3319-3335	3/4	1.06	300	1,200	5.5	15	.29
16GTHXCTN	3319-3345	1	1.13	250	1,000	8.0	10	.40

### GTHX High-Temp Fiber Spiral Hose—SAE 100R6

Low Pressure

**Recommended For:** Hydraulic oil lines, heavy-duty transmission oil cooler lines and glycol anti-freeze solutions. Meets or exceeds requirements of SAE 100R6.

**Tube:** Black, specially compounded, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Spiraled synthetic fiber.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** For hydraulic oil lines -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GLP Couplings (Section J)
- MegaCrimp® Couplings (Section G)



Description	Product No.							Weight (Lbs.)
6GTHXREEL	3289-0002	3/8	0.63	400	1,600	3.0	28	.13



Low Pressure

## GMV Global MegaVac® Return Line and Suction Hose

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** Petroleum and water-base hydraulic fluids in suction lines or in low pressure return lines. Meets or exceeds requirements of SAE 100R4. Uses half the bend radius of SAE 100R4. Meets marine ABS with use of HeatGuard® high temp sleeve.

**Tube:** Black, synthetic rubber is specifically designed for resistance to high temperatures (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Double spiral textile (braid for -12, -16 and -20) reinforced with a helical spiral-wire to prevent collapse.

**Cover:** Black synthetic rubber is oil and abrasion resistant (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GL Couplings (Section J)

MegaCrimp® Couplings (-12 through -20) (Section G)



Description	Product No.							Weight (Lbs.)
12GMVXCTN	4504-0123	3/4	1.22	350	1,400	2.5	25	.45
16GMVXCTN	4504-0003	1	1.45	300	1,200	3.0	25	.54
20GMVXCTN	4504-0004	1 1/4	1.76	250	1,000	4.0	25	.77
24GMVX100FT	3105-0004	1 1/2	2.01	162	648	5.0	25	.91
32GMVX100FT	3105-0006	2	2.51	112	448	6.0	25	1.16
36GMVXCTN*	3105-0008	2 1/4	2.76	88	352	7.0	25	1.26
40GMVX100FT	3105-0010	2 1/2	3.02	68	272	7.0	25	1.39
48GMVX100FT	3105-0014	3	3.51	62	248	9.0	25	1.63
56GMVX100FT	3105-0015	3 1/2	4.01	56	224	10.0	25	1.80
64GMVX100FT	3105-0018	4	4.51	56	224	12.0	25	2.05

\* Stem and clamp only, no Gates couplings available.

Low Pressure

## G4H MegaVac® Return Line and Suction Hose

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** Petroleum and water-base hydraulic fluids in suction lines or in low pressure return lines. Meets or exceeds requirements of SAE 100R4 (except 1" I.D.). Uses half the bend radius of SAE 100R4.

**Tube:** Black, synthetic rubber is specifically designed for resistance to high temperatures (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Double spiral textile reinforced with a helical spiral-wire to prevent collapse.

**Cover:** Black synthetic rubber is oil and abrasion resistant (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

GL Couplings (Section J)

MegaCrimp® Couplings (Section G)

Use clamp over beaded nipple.



Description	Product No.							Weight (Lbs.)
12G4HXCTN	3105-0022	3/4	1.17	300	1,200	2.5	25	.42
16G4HXCTN	3105-0001	1	1.43	212	848	3.0	25	.54
20G4HXCTN	3105-0036	1 1/4	1.68	200	800	4.0	25	.62



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

A55



# RLA 1-Fiber Braid Return Line and Low Pressure Hose

Low Pressure

**Recommended For:** Low-pressure hydraulic oil return lines for general purpose water, glycol antifreeze solutions, conveying diesel fuel, gasoline or air. Meets SAE 30R2 performance requirements of both Type 1 and Type 2 for fuel and B20 constant contact up to 125°F biodiesel fuel transfer applications.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One fiber braid (-3 to -10). Spiral braid (-12 to -16).







**Cover:** Black, synthetic rubber. Oil and abrasion resistant (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). Air to +160°F (+71°C) only. For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- GLP Couplings (except -3, -5 and -16) (Section J)
- MegaCrimp® Couplings (except -3) (Section G)
- Power Crimp® Couplings (-3 only) (Section I)



Description	Product No.							Weight (Lbs.)
3RLAXREEL	3284-0110	3/16	0.41	250	1,000	3.0	28	.07
4RLAXREEL	3284-0120	1/4	0.50	250	1,000	3.0	28	.10
5RLAXREEL	3284-0130	5/16	0.56	250	1,000	4.0	28	.11
6RLAXREEL	3284-0140	3/8	0.66	250	1,000	4.0	28	.15
8RLAXREEL	3284-0150	1/2	0.81	200	800	5.0	20	.23
10RLAXREEL	3284-0160	5/8	0.94	200	800	6.0	15	.26
12RLAXREEL	3284-0170	3/4	1.09	200	800	6.0	10	.32
16RLAXREEL	3284-0180	1	1.34	160	640	8.0	10	.41

# RLC 3-Fiber Braid Return Line and Low Pressure Hose

Low Pressure

**Recommended For:** Petroleum-base hydraulic oils, glycol antifreeze, air or water in low pressure fluid transfer or hydraulic system return lines. Generally connected to 100R4 stems, beaded nipples, or tube type ports with worm gear clamps.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Three fiber braids.







**Cover:** Black, oil and abrasion resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** For hydraulic oil lines -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time); air to +160°F (+71°C) only. For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- Use barbed stem or beaded-tube with clamps only.



Description	Product No.							Weight (Lbs.)
16RLCXCTN	3319-0261	1	1.62	200	800	9.0	25	.91
20RLCXCTN	3319-0263	1 1/4	1.88	200	800	10.0	25	.88
24RLCXCTN	3319-0264	1 1/2	2.12	200	800	11.0	25	.95
28RLCXCTN	3319-0265	1 3/4	2.38	200	800	12.0	25	1.05
32RLCXCTN	3319-0266	2	2.56	200	800	13.0	25	1.06
36RLCXCTN	3319-0267	2 1/4	2.87	150	600	14.0	25	1.33
40RLCXCTN	3319-0268	2 1/2	3.12	150	600	16.0	25	1.81
48RLCXCTN	3319-0270	3	3.62	150	600	20.0	25	2.28
56RLCXCTN	3319-0272	3 1/2	4.12	150	600	24.0	25	2.58
72RLCX10FT	3319-0273	4 1/2	5.19	100	400	54.0	25	2.48



Low Pressure

## MegaTech® LOC 1-Fiber Braid High-Temp Lock-On Hose

**Recommended For:** High-temperature (300°F) transmission oil cooler lines, pressurized hot oil return lines and turbocharger oil supply lines. Meets or exceeds SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Not recommended for gasoline or diesel fuel applications.

**Tube:** True-bore GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J).

**Reinforcement:** One fiber braid.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

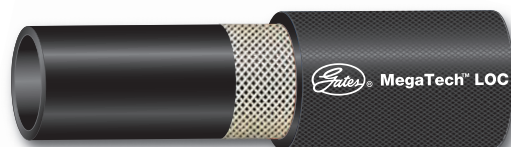
**Temperature Range:** -40°F to +300°F (-40°C to +149°C).

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

Field Attachable LOC Couplings (Section J)

GLP Couplings (-4 to -12) (Section J)

MegaCrimp® Couplings (-16) (Section G)



Description	Product No.	⊖	⊕	⌚	⌚	⌚ <sub>R</sub>	Weight (Lbs.)
4MEGATECHLOCXREEL	4319-0106	1/4	0.50	300	1,200	3.0	.10
6MEGATECHLOCXREEL	4319-0107	3/8	0.64	300	1,200	3.0	.12
8MEGATECHLOCXREEL	4319-0108	1/2	0.78	300	1,200	5.0	.16
10MEGATECHLOCXREEL	4319-0109	1/2	0.91	300	1,200	6.0	.21
12MEGATECHLOCXREEL	4319-0110	3/4	1.08	300	1,200	7.0	.25
16MEGATECHLOCXREEL	4319-0111	1	1.33	300	1,200	7.0	.34

Low Pressure

## LOC 1-Fiber Braid Lock-On Hose

**Recommended For:** Petroleum-base hydraulic oils, glycol antifreeze compounds, water, engine lubricating oils and air. Lock-On hose and couplings are NOT recommended for vibration or pressure surge applications, such as permanent piping in residential or commercial buildings. Meets SAE 30R2, SAE 30R6 and SAE 30R7 performance requirements for fuel and B20 biodiesel fuel transfer applications up to +125°F.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One fiber braid.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For air: -40°F to +160°F (-40°C to +71°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

Field Attachable LOC Couplings (Section J)

GLP Couplings (Section J)



Description	Product No.	⊖	⊕	⌚	⌚	⌚ <sub>R</sub>	Weight (Lbs.)
4LOCXREEL	4319-0112	1/4	0.52	300	1,200	3.0	.09
6LOCXREEL	4319-0113	3/8	0.64	300	1,200	3.0	.12
8LOCXREEL	4319-0114	1/2	0.80	300	1,200	5.0	.15
10LOCXREEL	4319-0115	5/8	0.90	300	1,200	6.0	.21
12LOCXREEL	4319-0116	3/4	1.00	300	1,200	7.0	.25



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

A57



LOL Plus Lock-On Hose

Low Pressure

(Black Cover Meets Flame Resistance Acceptance Designation "MSHA 2G")

Recommended For: Petroleum-base hydraulic oils, water, glycol antifreeze solutions, engine lubricating oils, and air. Lock-On hose and couplings are NOT recommended for pressure surge applications or critical applications, such as permanent piping in residential or commercial buildings. Do not use for gasoline or diesel fuels, unless approved by Gates H/C Product Application.

Tube: Black, oil resistant, synthetic rubber highly resistant to oil and heat (Nitrile - Type C). See Hose Stock Characteristics.

Reinforcement: One fiber braid.

Cover: Oil and abrasion resistant synthetic rubber (Modified Nitrile - Type C2). Available in black Neoprene (LOLA), blue (LOLB), green (LOLG), red (LOLR), yellow (LOLY) and gray (LOLC) colors.

Temperature Range: -40°F to +212°F (-40°C to +100°C). Air to +160°F (+71°C) only. For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):

- Field Attachable LOC Couplings (Section J)
GLP Couplings (except -3) (Section J)
Use clamp over beaded nipple.

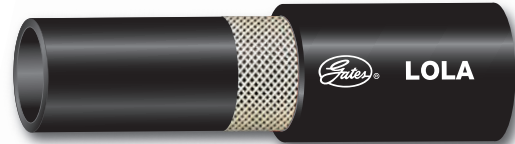


Table with 9 columns: Description, Product No., and various hose specifications (ID, OD, length, weight, etc.).

NOTE: LOL Lock-On Hose is packaged in UPS shippable reels. The use of clamps with LOC Couplings is not recommended. \* Special hose, subject to minimum order requirements if not in inventory.



## C5C Hydraulic Hose—SAE 100R5

**Recommended For:** Medium pressure hydraulic petroleum-based oil lines in impulse applications, lube oil, air and water in applications such as air brakes, power steering (CAUTION: Intended for heavy-duty commercial vehicle use only), turbocharger oil supplies, tilt cab cylinders, transmission coolant and filtration lines. Meets or exceeds requirements of SAE 100R5 for traditional hydraulic applications, DOT FMVSS 106-74 Type All and SAE J1402 Type All for air brake applications (-4 to -12). Not recommended for gasoline or diesel fuel.

**Tube:** -4 and -5: black, oil and heat resistant synthetic rubber (Neoprene - Type A); -6 through -40: (Nitrile - Type C). See Hose Stock Characteristics.






**Reinforcement:** One braid of high-tensile carbon steel wire over one braid of polyester.

**Cover:** Black, oil and mildew resistant, polyester braid.

**Temperature Range:** Under SAE 100R5 (hydraulic) conditions -40°F to +212°F (-40°C to +100°C). All-purpose fleet application (hot lube oil lines) -40°F to +300°F (-40°C to +149°C). Air to +160°F (+71°C) only. Avoid continuous use at maximum temperature concurrent with maximum working pressures. For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
C5 Field Attachable Couplings (Section P)



Description	Product No.						Weight (Lbs.)
4C5CXREEL	3658-1775	3/16	0.52	3,000	12,000	3.0	.16
5C5CXREEL	3658-1776	1/4	0.58	3,000	12,000	3.4	.19
6C5CXREEL	3658-1777	5/16	0.67	2,250	9,000	4.0	.24
8C5CXREEL	3658-1778	13/32	0.77	2,000	8,000	4.6	.28
10C5CXREEL	3658-1779	1/2	0.92	1,750	7,000	5.5	.38
12C5CXREEL	3658-1780	5/8	1.08	1,500	6,000	6.5	.47
16C5CXREEL	3658-1781	7/8	1.23	800	3,200	7.4	.45
20C5CXCTN	3658-1758	1 1/8	1.50	625	2,500	9.0	.54
24C5CXCTN	3658-1759	1 3/8	1.75	500	2,000	10.5	.60
32C5CXCTN	3658-1760	1 13/16	2.22	350	1,400	13.3	.84
40C5CXCTN	3658-1761	2 3/8	2.88	350	1,400	24.0	1.23

*NOTE: Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.*







## C5D High-Temp Multi-Fluid Hose

**Recommended For:** Petroleum-base or phosphate ester fluids; diesel fuels and filtration lines, transmission coolant lines, hot lube oil lines, power steering (CAUTION: Intended for heavy-duty commercial vehicle use only), gasoline and turbocharger oil supplies. Tilt cab cylinder and air brakes. C5D (-4 to -12) meets or exceeds DOT FMVSS 106-74 Type All, SAE J1402 Type All and SAE J1405 and fuel resistance of SAE J30R2. Not approved for bio diesel.

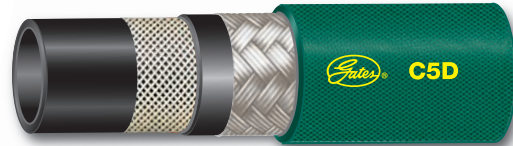
**Tube:** Black, oil and heat resistant, synthetic rubber (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire over one braid of polyester.

**Cover:** Green for easy identification, oil and mildew resistant, polyester braid impregnated with synthetic rubber.

**Temperature Range:** -40°F to +300°F (-40°C to +149°C). Air to +250°F (+121°C) only, maximum phosphate esters to +212°F (+100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
C5 Field Attachable Couplings (Section P)



Description	Product No.						Weight (Lbs.)
4C5DXREEL	3658-0020	3/16	0.52	1,500	6,000	1.0	.14
5C5DXREEL	3658-0027	1/4	0.58	1,500	6,000	1.5	.15
6C5DXREEL	3658-0021	5/16	0.67	1,500	6,000	1.8	.22
8C5DXREEL	3658-0022	13/32	0.77	1,250	5,000	2.0	.23
10C5DXREEL	3658-0028	1/2	0.92	1,250	5,000	2.0	.27
12C5DXREEL	3658-0029	5/8	1.08	750	3,000	2.3	.40
16C5DXREEL	3658-0030	7/8	1.23	400	1,600	3.5	.46

NOTE: Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.

## C5M Marine Fuel Line Hose

**Recommended For:** On-shore/off-shore and marine diesel fuel and gasoline applications and hot oil lines up to +212°F. Meets USCG marine fuel line specifications, SAE J1527 B100 to +125°F Type A Class 1 and SAE J1942 requirements. Exceeds performance requirements of SAE J30R2 for non-marine applications.

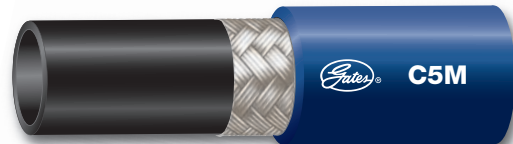
**Tube:** Nitrile - Type C. See Hose Stock Characteristics.

**Reinforcement:** One wire braid

**Cover:** Modified Nitrile - Type C2. Blue. See Hose Stock Characteristics.

**Temperature Range:** -4°F to +212°F (-20°C to +100°C).

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
C5 Field Attachable Couplings (Section P)



Description	Product No.						Weight (Lbs.)
5C5MXREEL	3658-1965	1/4	0.58	500	2,000	1.3	.21
6C5MXREEL	3658-1969	5/16	0.67	500	2,000	1.3	.27
8C5MXREEL	3658-1973	13/32	0.77	500	2,000	1.8	.29
10C5MXREEL	3658-1977	1/2	0.92	500	2,000	2.3	.40
12C5MXREEL	3658-1981	5/8	1.08	500	2,000	2.8	.51
16C5MXREEL	3658-1985	7/8	1.23	500	2,000	3.5	.51



## C5E High-Temp Flexline Hose

DOT FMVSS 106 Type A1, SAE J1405 and SAE J1402 Type A1 (-4 to -12).

**Recommended For:** Air brake hose, power steering (CAUTION: Intended for heavy-duty commercial vehicle use only), fuel filter, engine and transmission coolant lines, and hot (+300°F) lube oil lines.

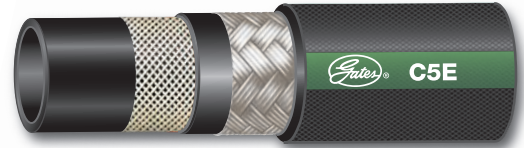
**Tube:** Black, oil and heat resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire over one braid of polyester.

**Cover:** Black, oil and heat resistant, textile braid impregnated with synthetic rubber. Green stripe for easy identification.

**Temperature Range:** -40°F to +300°F (-40°C to +149°C). Air +250°F (+121°C) maximum only. For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
C5E Field Attachable Couplings (Section P)



Description	Product No.	⊖	⊕	⌚	⌚	⌚ <sub>R</sub>	Weight (Lbs.)
4C5EXREEL	3658-0210	3/16	0.49	1,500	6,000	.8	.12
5C5EXREEL	3658-0211	1/4	0.55	1,500	6,000	1.0	.14
6C5EXREEL	3658-0212	5/16	0.61	1,500	6,000	1.3	.17
8C5EXCTN	3658-0203	13/32	0.73	1,250	5,000	1.8	.22
8C5EXREEL	3658-0213	13/32	0.73	1,250	5,000	1.8	.22
10C5EXCTN	3658-0204	1/2	0.83	1,250	5,000	2.3	.25
10C5EXREEL	3658-0214	1/2	0.83	1,250	5,000	2.3	.25
12C5EXCTN	3658-0205	5/8	0.95	750	3,000	2.8	.31
12C5EXREEL	3658-0215	5/8	0.95	750	3,000	3.0	.30
16C5EXREEL	3658-0216	7/8	1.20	400	1,600	3.5	.37
20C5EXCTN	3658-0207	1 1/8	1.49	300	1,200	4.5	.52

NOTE: Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.





# Nylon Air Brake Tubing

**Recommended For:** Truck, bus and mobile air brake, and service lines where heat and battery acids are not present. Conforms to SAE J844 specifications. Meets D.O.T. FMVSS 106-74.

**Tube:** Heat and light stabilized seamless extruded nylon.

**Reinforcement:** Type A: Non-reinforced in sizes 1/8", 5/32", 3/16" and 1/4". NOTE: 1/8" and 5/32" are NOT recognized by D.O.T. for air brake systems, these are for service lines only.

Type B: Reinforced with one open ply of fibrous nylon in sizes 5/16", 3/8", 1/2", 5/8" and 3/4".

**Cover:** Nylon. Available in black (NABTA), blue (NABTB), green (NABTG), red (NABTR), yellow (NABTY), orange (NABTO), purple (NABTP), brown (NABTN), silver (NABTS) and white (NABTW) colors. Other colors available upon request.

**Temperature Range:** -40°F to +200°F (-40°C to +93°C).

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
Gates DOT SureLok™ Couplings (Section Q)



Description	Product No.		Type				Weight (Lbs.)
2NABTAXLG REEL	4327-0117	1/8	A	150	800	.37	.01
4NABTAXLG REEL	4327-0101	1/4	A	150	800	1.0	.01
4NABTBXLG REEL	4327-1001	1/4	A	150	800	1.0	.02
4NABTBXREEL	4327-0102	1/4	B	150	800	1.0	.01
4NABTGXREEL	4327-0104	1/4	A	150	800	1.0	.01
4NABTNXREEL	4327-0103	1/4	A	150	800	1.0	.01
4NABTPXLG REEL	4327-0125	1/4	A	150	800	1.0	.01
4NABTRXREEL	4327-0105	1/4	A	150	800	1.0	.01
4NABTSXREEL	4327-0106	1/4	A	150	800	1.0	.01
4NABTYXREEL	4327-0107	1/4	A	150	800	1.0	.01
5NABTAXREEL	4327-0120	5/16	B	150	800	1.25	.02
6NABTAXLG REEL	4327-0201	3/8	B	150	800	1.5	.03
6NABTAXREEL	4327-0126	3/8	B	150	800	1.5	.03
6NABTBXLG REEL	4327-1002	3/8	B	150	800	1.25	.03
6NABTBXREEL	4327-0128	3/8	B	150	800	1.25	.03
6NABTGXLG REEL	4327-1003	3/8	B	150	800	1.25	.04
6NABTGXREEL	4327-0129	3/8	B	150	760	1.25	.03
6NABTNXREEL	4327-0109	3/8	B	150	800	1.25	.03
6NABTOXREEL	4327-1004	3/8	B	150	1,120	1.25	.04
6NABTRXLG REEL	4327-1005	3/8	B	150	800	1.25	.03
6NABTRXREEL	4327-0127	3/8	B	150	800	1.25	.03
6NABTWXREEL	4327-0110	3/8	B	150	800	1.25	.03
6NABTYXREEL	4327-0111	3/8	B	150	800	1.25	.03
8NABTAXREEL	4327-0112	1/2	B	150	760	2.0	.02
8NABTBXREEL	4327-0133	1/2	B	150	760	2.0	.04
8NABTGXREEL	4327-0132	1/2	B	150	720	2.0	.04
8NABTRXREEL	4327-0131	1/2	B	150	760	2.0	.04
8NABTSXREEL	4327-0114	1/2	B	150	760	2.0	.04
10NABTAXREEL	4327-0115	5/8	B	150	720	2.5	.08
10NABTGXREEL	4327-1006	5/8	B	150	640	3.5	.07
10NABTOXREEL	4327-0138	5/8	B	150	720	2.5	.08
10NABTRXREEL	4327-1007	5/8	B	150	720	3.5	.03
12NABTAXREEL	4327-0116	3/4	B	150	640	3.0	.09



## C14 PTFE Hose—SAE 100R14 Type A—Nonconductive

**Recommended For:** Air compressor discharge, hot oil and fluids, hot and greasy environments.

**Cover/Reinforcement:** One braid of 300 Series stainless steel wire.

**Temperature Range:** Dynamic: -65°F to +400°F (-54°C to +204°C).  
Static: -65°F to +450°F (-54°C to +232°C).

**C14 Tube:** Type A-Nonconductive white, smooth bore  
Polytetrafluoroethylene (PTFE). See Hose Stock Characteristics.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
C14 Couplings (Section M)



Description	Product No.	⌀	ID	PSI	MPa	R <sub>2</sub>	72°F	72°F	450°F	450°F	Weight (Lbs.)
							(22°C)	(22°C)	(232°C)	(232°C)	
4C14XCTN	7752-0400	3/16	0.31	1,500	6,000	2.0	3,000	12,000	1,500	6,000	.08
5C14XCTN	7752-0500	1/4	0.38	1,500	6,000	3.0	3,000	12,000	1,500	6,000	.10
6C14XCTN	7752-0600	5/16	0.45	1,500	6,000	4.0	2,500	10,000	1,500	6,000	.11
8C14XCTN	7752-0800	13/32	0.55	1,000	4,000	5.3	2,000	8,000	1,000	4,000	.12
10C14XCTN	7752-1000	1/2	0.65	800	3,200	6.5	1,500	6,000	800	3,200	.15
12C14XCTN	7752-1200	5/8	0.79	800	3,200	7.8	1,200	4,800	800	2,600	.17
16C14XCTN	7752-1600	7/8	1.03	800	3,500	9.0	1,000	4,000	800	2,200	.27

**NOTE: Electrostatic Discharge:** Many applications involving PTFE hose do not require a conductive tube. But you must review the potential for electrostatic discharge for every application and be aware that static electricity can be hazardous. In those cases where electrostatic discharge can occur, conductive PTFE hose with a conductive tube (Gates C14CT) is recommended. For more information on electrostatic discharge, refer to Technical Data Section.

## C14CT PTFE Hose—SAE 100R14 Type B—Conductive

**Recommended For:** Air compressor discharge, hot oil and fluids, hot and greasy environments.

**Cover/Reinforcement:** One braid of 300 Series stainless steel wire.

**Temperature Range:** Dynamic: -65°F to +400°F (-54°C to +204°C).  
Static: -65°F to +450°F (-54°C to +232°C).

**C14CT Tube:** Type B-Conductive black/white smooth bore  
Polytetrafluoroethylene (PTFE). See Hose Stock Characteristics.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
C14 Couplings (Section M)



Description	Product No.	⌀	ID	PSI	MPa	R <sub>2</sub>	72°F	72°F	450°F	450°F	Weight (Lbs.)
							(22°C)	(22°C)	(232°C)	(232°C)	
6C14CTXCTN*	7752-3600	5/16	0.45	1,500	6,000	4.0	2,500	10,000	1,500	6,000	.11
8C14CTXCTN*	7752-3800	13/32	0.55	1,000	4,000	5.3	2,000	8,000	1,000	4,000	.12

**NOTE: Electrostatic Discharge:** Many applications involving PTFE hose do not require a conductive tube. But you must review the potential for electrostatic discharge for every application and be aware that static electricity can be hazardous. In those cases where electrostatic discharge can occur, conductive PTFE hose with a conductive tube (Gates C14CT) is recommended. For more information on electrostatic discharge, refer to Technical Data Section.

\* Type B-Conductive Tube.





# TH8 Hydraulic Hose—SAE 100R8

Thermoplastic

**Recommended For:** Use with petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH8 hose meets or exceeds performance requirements of SAE 100R8 with a significantly tighter bend radius. Multiline available.

**Tube:** 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.

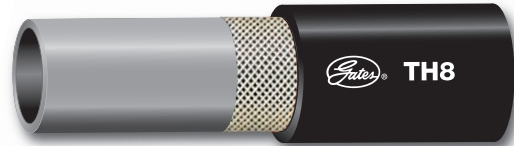
**Reinforcement:** Two polyester braids.

**Cover:** Black urethane resists hydraulic fluids, high temperatures, aging and weathering. Black TH8 cover is perforated for use in general hydraulic and pneumatic service.

**Temperature Range:** -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- MegaCrimp® Couplings (-4 through -16) (Section G)
- Swage PCTS Couplings (-3 only) (Section N)



Description	Product No.	⌀	⊘	⊙	⊙	⊙ <sub>R</sub>	Weight (Lbs.)
3TH8XCTN	4467-1178	3/16	0.50	5,000	20,000	1.5	.09
4TH8XCTN	4467-1179	1/4	0.61	5,000	20,000	2.0	.13
6TH8XCTN	4467-1181	3/8	0.75	4,000	16,000	2.5	.18
8TH8XCTN	4467-1183	1/2	0.87	3,500	14,000	4.0	.22
12TH8XCTN	4467-1184	3/4	1.13	2,250	9,000	6.5	.28
16TH8XCTN	4467-1185	1	1.45	2,000	8,000	10.0	.46

# TH8NC Non Conductive Hydraulic Hose—SAE 100R8

Thermoplastic

**Recommended For:** Use with petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH8NC hose (orange cover) meets SAE 100R8 non-conductivity requirements. TH8NC hose meets or exceeds performance requirements of SAE 100R8 with a significantly tighter bend radius. Multiline available.

**Tube:** 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.

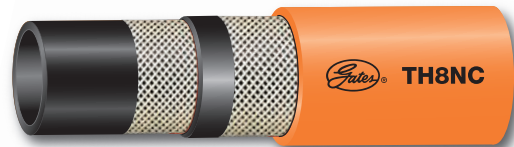
**Reinforcement:** Two polyester braids.

**Cover:** Orange urethane resists hydraulic fluids, high temperatures, aging and weathering. TH8NC is non-perforated for applications requiring electrical non-conductivity. Meets SAE 100R8 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75 kV/Ft. for five minutes. (Orange is industry accepted color for non-conductive hose).

**Temperature Range:** -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

- MegaCrimp® Couplings (Section G)



Description	Product No.	⌀	⊘	⊙	⊙	⊙ <sub>R</sub>	Weight (Lbs.)
4TH8NCXCTN	4467-1186	1/4	0.61	5,000	20,000	2.0	.12
6TH8NCXCTN	4467-1204	3/8	0.75	4,000	16,000	2.5	.17
8TH8NCXCTN	4467-1189	1/2	0.87	3,500	14,000	4.0	.21



**Recommended For:** Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH7 hose meets or exceeds performance requirements of SAE 100R7 with a significantly tighter bend radius.

**Tube:** 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.

**Reinforcement:** Braided synthetic fiber (-2, -8, -12 and -16). Spiraled synthetic fiber (-3, -4, -5 and -6).

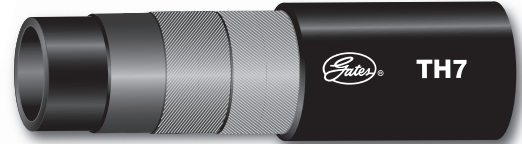
**Cover:** Black polyurethane that resists hydraulic fluids, high temperatures, aging and weathering. Black TH7 is perforated for use in general hydraulic and pneumatic service.






**Temperature Range:** -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**

MegaCrimp® Couplings (Section G)

Swage PCTS Couplings (-2 and -3) (Section N)



Description	Product No.						Weight (Lbs.)
2TH7XCTN	4467-1154	1/8	0.32	3,000	12,000	.5	.04
3TH7XCTN	4467-1155	3/16	0.41	3,000	12,000	.8	.05
4TH7XCTN	4467-1157	1/4	0.50	2,750	11,000	1.3	.07
5TH7XCTN	4467-1159	5/16	0.56	2,500	10,000	1.8	.09
6TH7XCTN	4467-1161	3/8	0.64	2,250	9,000	2.0	.11
8TH7XCTN	4467-1207	1/2	0.80	2,000	8,000	3.0	.17
12TH7XCTN	4467-1165	3/4	1.05	1,250	5,000	5.0	.24
16TH7XCTN	4467-1196	1	1.32	1,000	4,000	10.0	.25



TH7NC Non Conductive Hydraulic Hose—SAE 100R7

Thermoplastic

Recommended For: Petroleum and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. Orange color TH7NC meets SAE 100R7 non-conductivity requirements and meets or exceeds performance requirements of SAE 100R7 with a significantly tighter bend radius. Meets ANSI A92.2 for vehicle mounted aerial devices (-4 to -8).

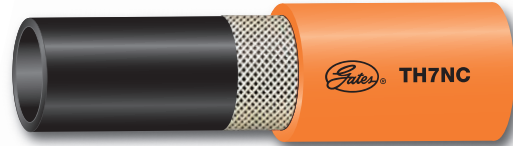
Tube: -2, -12, and -16: 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol; -3 through -8 Polyester. See Hose Stock Characteristics.

Reinforcement: Braided synthetic fiber (except -2: Spiraled synthetic fiber).

Cover: Orange urethane that resists hydraulic fluids, high temperatures, aging and weathering. Orange TH7NC is non-perforated for applications requiring electrical non-conductivity. Meets SAE 100R7 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75 kV/Ft. for five minutes. (Orange is industry accepted color for non-conductive hose).

Temperature Range: -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp): MegaCrimp® Couplings (Section G) Swage PCTS Couplings (-2 and -3) (Section N)



Description	Product No.	⊖	⊕	⊙	⊙	⊙ <sub>R</sub>	Weight (Lbs.)
2TH7NCXCTN	4467-1166	1/8	0.32	3,000	12,000	.5	.24
3TH7NCXCTN	4467-1167	3/16	0.41	3,000	12,000	.8	.07
4TH7NCXCTN	4467-1169	1/4	0.50	2,750	11,000	1.3	.07
5TH7NCXCTN	4467-1171	5/16	0.56	2,500	10,000	1.8	.09
6TH7NCXCTN	4467-1173	3/8	0.64	2,250	9,000	2.0	.11
8TH7NCXCTN	4467-1175	1/2	0.80	2,000	8,000	3.0	.17
12TH7NCXCTN	4467-1177	3/4	1.05	1,250	5,000	5.0	.22
16TH7NCXCTN	4467-1198	1	1.32	1,000	4,000	10.0	.27



Thermoplastic

## TH7DL Dual Line Hydraulic Hose—SAE 100R7

**Recommended For:** Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH7DL hose meets or exceeds performance requirements of SAE 100R7 with significantly tighter bend radius.

**Tube:** 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.

**Reinforcement:** Spiraled synthetic fiber.

**Cover:** Black polyurethane that resists hydraulic fluids, high temperatures, aging and weathering. Black TH7DL is perforated for use in general hydraulic and pneumatic service.

**Temperature Range:** -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
MegaCrimp® Couplings (Section G)



Description	Product No.	⌀	⌀	⌀	⌀	⌀ <sub>R<sub>2</sub></sub>	Weight (Lbs.)
4TH7DLXCTN	4472-0220	1/4	0.50	2,750	11,000	1.3	.15
5TH7DLXCTN	4472-0221	5/16	0.56	2,500	10,000	1.8	.19
6TH7DLXCTN	4472-0223	3/8	0.64	2,250	9,000	2.0	.21
8TH7DLXCTN	4472-0224	1/2	0.80	2,000	8,000	3.0	.32

Thermoplastic

## TH7NCDL Non Conductive Dual Line Hydraulic Hose—SAE 100R7

**Recommended For:** Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. Orange color TH7NCDL meets SAE 100R7 non-conductivity requirements and meets or exceeds performance requirements of SAE 100R7 with significantly tighter bend radius. Meets ANSI A92.2 for vehicle mounted aerial devices (-3 and -8).

**Tube:** Polyester.

**Reinforcement:** Braided synthetic fiber.

**Cover:** Orange urethane that resists hydraulic fluids, high temperatures, aging and weathering. Orange TH7NCDL is non-perforated for applications requiring electrical non-conductivity. Meets SAE 100R7 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75 kV/Ft. for five minutes. (Orange is industry accepted color for non-conductive hose.)

**Temperature Range:** -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
MegaCrimp® Couplings (Section G)



Description	Product No.	⌀	⌀	⌀	⌀	⌀ <sub>R<sub>2</sub></sub>	Weight (Lbs.)
4TH7NCDLXCTN	4472-0225	1/4	0.50	2,750	11,000	1.3	.16
6TH7NCDLXCTN	4472-0227	3/8	0.64	2,250	9,000	2.0	.22
8TH7NCDLXCTN	4472-0229	1/2	0.80	2,000	8,000	3.0	.32



Powering Progress.

gates.com/hydraulics

A67





# TH18 Constant Pressure Non Conductive Hydraulic Hose— SAE 100R18

Thermoplastic

**Recommended For:** TH18 hose meets or exceeds performance requirements of SAE 100R18 with a significantly tighter bend radius. Suitable for petroleum or synthetic-based hydraulic fluids in hydraulic systems. TH18 is ideal for industrial and agricultural applications exposed to low temperatures or cyclic and quick temperature changes. Remains highly flexible in cold weather conditions and is resistant to hydraulic fluids, high temperatures, aging and weathering.

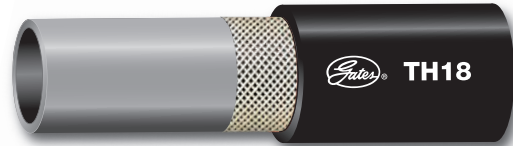
**Tube:** Polyester elastomer.

**Reinforcement:** One band of synthetic fiber.

**Cover:** Black, special polyester, perforated.

**Temperature Range:** -67°F to +212°F (-55°C to +100°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water-based fluids.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
MegaCrimp® Couplings (Section G)



Description	Product No.						Weight (Lbs.)
4TH18XCTN	4467-0006	1/4	0.48	3,000	12,000	1.4	.07
5TH18XCTN	4467-0007	5/16	0.56	3,000	12,000	1.8	.10
6TH18XCTN	4467-0008	3/8	0.65	3,000	12,000	1.8	.14
8TH18XCTN	4467-0009	1/2	0.89	3,000	12,000	2.8	.22
10TH18XCTN	4467-0010	5/8	1.03	3,000	12,000	3.9	.28

# TH18NC Constant Pressure Non Conductive Hydraulic Hose— SAE 100R18

Thermoplastic

**Recommended For:** TH18NC hose meets or exceeds performance requirements of SAE 100R18 with a significantly tighter bend radius. Suitable for petroleum or synthetic-based hydraulic fluids in hydraulic systems. TH18NC non-conductive hoses are suitable for use in high-voltage applications. Remains highly flexible in cold weather conditions and is resistant to hydraulic fluids, high temperatures, aging and weathering.

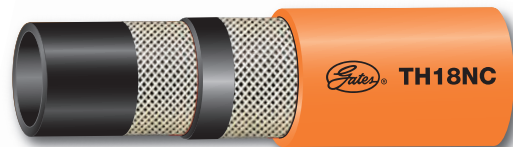
**Tube:** Polyester elastomer.

**Reinforcement:** Two bands of synthetic fiber.

**Cover:** Special polyester, orange (industry-accepted color for non-conductive hose), non-perforated for applications requiring electrical non-conductivity. Meets SAE 100R18 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75kV/ft for five minutes.

**Temperature Range:** -67°F to +212°F (-55°C to +100°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water-based fluids.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
MegaCrimp® Couplings (Section G)



Description	Product No.						Weight (Lbs.)
4TH18NCXCTN	4467-0011	1/4	0.48	3,000	12,000	1.4	.08
5TH18NCXCTN	4467-0012	5/16	0.56	3,000	12,000	1.8	.10
6TH18NCXCTN	4467-0013	3/8	0.65	3,000	12,000	1.8	.13
8TH18NCXCTN	4467-0014	1/2	0.89	3,000	12,000	2.8	.22
10TH18NCXCTN	4467-0015	5/8	1.03	3,000	12,000	3.9	.29



(SAE J51, Type A2 Dimensions; SAE J51, Type D Performance; SAE J2064, Type C, Class II Performance).

**Recommended For:** Liquid and gaseous R134a and R12 refrigerants in automotive air conditioning and industrial systems; i.e., tractors, construction trucks, mobile and stationary refrigeration units. Designed to minimize permeation of R134a refrigerant.

**Tube:** Black, synthetic rubber (Chloroprene - Type A). See Hose Stock Characteristics.

**Reinforcement:** Two layers of spiral polyester.

**Cover:** Black synthetic rubber (EPDM). See Hose Stock Characteristics.

**Temperature Range:** -22°F to +257°F (-30°C to +125°C).

**Barrier:** Nylon liner.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
PolarSeal® Couplings (Section K)



Description	Product No.							Weight (Lbs.)
6AC134AXREEL	3353-0903	5/16	0.75	500	2,000	2.0	24	.20
8AC134AXREEL	3353-0908	13/32	0.91	500	2,000	3.0	24	.28
10AC134AXREEL	3353-0913	1/2	1.00	500	2,000	4.0	24	.32
12AC134AXREEL	3353-0918	5/8	1.13	500	2,000	5.0	24	.38

**Recommended For:** AC systems on School/Transit Busses, RV's, Limos and other heavy equipment that has long run or hard to service AC lines. Liquid and gaseous R134a and R12 refrigerants in automotive air conditioning and industrial systems; i.e., tractors, construction trucks, mobile and stationary refrigeration units. Designed to minimize permeation of R134a refrigerant.

**Tube:** Black, synthetic Elastomeric rubber.

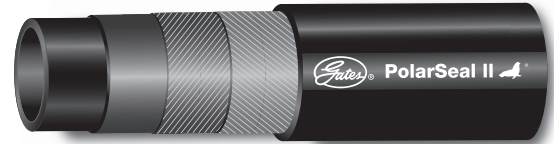
**Reinforcement:** Fabric Braid

**Cover:** Heat, Moisture and Ozone resistant black synthetic Elastomeric cover.

**Temperature Range:** -22°F to +257°F (-30°C to +125°C).

**Barrier:** Nylon liner.

**Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):**  
PolarSeal® II Coupling (Section L)



Description	Product No.						Weight (Lbs.)
6ACC-PSIIXREEL	3353-5006	5/16	0.62	350	1,400	1.5	.10
8ACC-PSIIXREEL	3353-5008	13/32	0.74	350	1,400	2.0	.13
10ACC-PSIIXREEL	3353-5010	1/2	0.83	350	1,400	2.5	.14
12ACC-PSIIXREEL	3353-5012	5/8	0.96	350	1,400	3.0	.22
16ACC-PSIIXREEL	3353-5016	7/8	1.23	350	1,400	1.4	.35





# Notes



## In the shop or in the field, Gates has a crimper for every job.



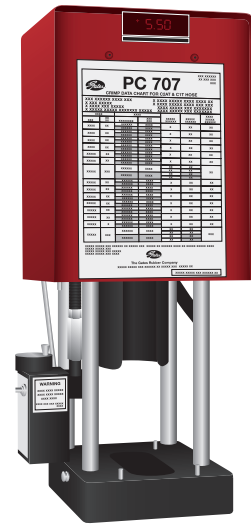
### MobileCrimp® 4-20

- The latest in high tech crimping.
- Portable and lightweight – only 57 pounds.
- Powerful enough to crimp up to 1-1/4" I.D. four spiral-wire hose.
- Great for jobs in the field.



### Power Crimp® 707

- The most precise, yet simplest crimper made.
- The first crimper with electronic digital readout to indicate crimp diameter setting.
- Crimps low pressure return lines to high pressure spiral hoses, from 3/16" to 1-1/4" I.D. four-spiral wire.
- Crimps straight and bent tube couplings, plus 45° and 90° block types.
- Swage capable.

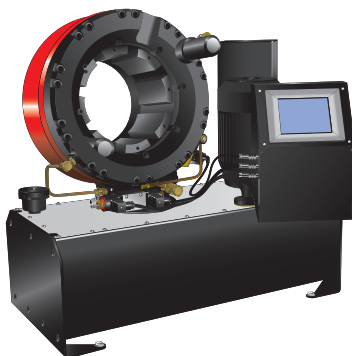


### SC-32™ Crimper

- Compact design to minimize space required.
- High-ton ram force with an integrated pump.
- Pump pre-wired for either 110 Volt or 220 Volt (1 phase) outlets.
- Bottom-loading makes crimping easier.
- Come with all the base plates and spacers required to crimp up to 2" hoses.

### GC32-XD® Crimper

- Crimps every hose and coupling in the Gates hydraulic catalog, including 2-1/2" Global MegaVac® return lines.
- Accepts electrical input from 208 volts to 260 volts, single phase.
- Twice as fast as the Gates OmniCrimp® 21 crimper, which the GC32-XD is replacing.
- Patented quick change tool enables fast loading and unloading of color-coded, numbered dies.
- 470 Radial Ton crimping force



### GC96® Crimper

- Electronic touch screen control panel for fast input of crimper settings.
- Horizontal front-end feed makes crimping easier and convenient.
- 340 ton force that allows crimping of a wide variety of couplings.
- 2 speed die closure and rapid retract permit fast assembly fabrication.
- Full range die sets that enable production of a wide range of hose assemblies.
- 2" 6 wire and 6" industrial

For complete crimper specifications, see the following pages.

#### EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

B1



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## MobileCrimp® 4-20 Crimper

This lightweight, versatile crimper is powerful enough to crimp up to 1-1/4" four spiral-wire hose. Weighing approximately 57 pounds, this new field crimper combines the latest crimping technology with old-fashioned toughness and durability.

### Digital Dial Control

Just dial in appropriate crimp setting and hold the start button until light comes on and buzzer sounds, then release. Ability to lock-in setting for multiple assemblies. Light and buzzer operate on two "AAA" batteries.

**Product Number:** 7480-0051



Accessories	Product Number
Crimper-to-Pump Male Quick Disconnect	7252-8831
Crimper-to-Pump Female Quick Disconnect	7252-8830

## MobileCrimp® 4-20 Die Selection Table

### For MegaCrimp® (G25) Couplings

Hose Type	Hose Sizes						
	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
M3K	MC21 or MC31	MC22 or MC32	MC33	MC34	MC35	MC37	—
M2T	MC21 or MC31	MC22 or MC32	MC33	MC34	MC35	MC37	—
G1	MC21 or MC31	MC22 or MC32	MC33	MC34	MC35	MC37	MC39
G2	MC21 or MC31	MC22 or MC32	MC33	MC34	MC35	MC37	MC39

For other hose and coupling configurations, reference [www.gates.com/ecrimp](http://www.gates.com/ecrimp) or Gates crimp data manual.

### For GlobalSpiral™ (G20) Couplings

Hose Type	Hose Sizes					
	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
EFG6K	MC33	MC33	MC35	MC35	MC37	—
EFG5K	MC33	MC33	MC35	MC35	MC37	—
EFG4K	MC33	MC33	MC35	MC35	MC37	MC39*

\*MGS (G21 series) couplings only.

Die Sets (ordered separately)							
Die Set	MC21/MC31	MC22/MC32	MC33	MC34	MC35	MC37	MC39
Product No.	7482-1220/1018	7482-1221/1019	7482-1133	7482-1134	7482-1135	7482-1137	7482-1139



# MobileCrimp® 4-20 Power Sources

Wide selection of pumps to match all your power needs.



## Hand Pump

No power source needed. Economical, convenient and portable for use anywhere. Make factory-quality assemblies in the field to minimize downtime.

**Product Number:** 7481-0006

**Pressure Rating:** 10,000 psi

**Weight:** 25.6 lbs.

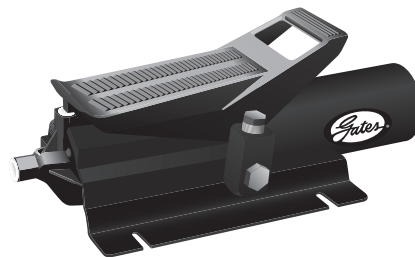
## Shop Air Pump

Works off standard shop air (90 psi). Economical, convenient and versatile for use wherever 90 psi compressed air is available.

**Product Number:** 7481-0002

**Pressure Rating:** 10,000 psi

**Weight:** 10 lbs.



## 1/2 HP 115 Volt AC Pump

Medium speed. Economical. Recommended for a stationary or mobile application.

**Product Number:** 7481-0034

**Pressure Rating:** 10,000 psi

**Weight:** 32 lbs.

## 1-1/2 HP 115 Volt AC Pump

High speed. Recommended for stationary applications only.

**Product Number:** 7481-0035

**Pressure Rating:** 10,000 psi

**Weight:** 108 lbs.



## 1/4 HP 12 Volt DC Pump

Mobile operation, runs on standard 12 volt car/truck battery or a 12 volt portable battery pack. Ideal for tough jobs in the field.

**Product Number:** 7481-0037

**Pressure Rating:** 10,000 psi

**Weight:** 20.5 lbs.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)



EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

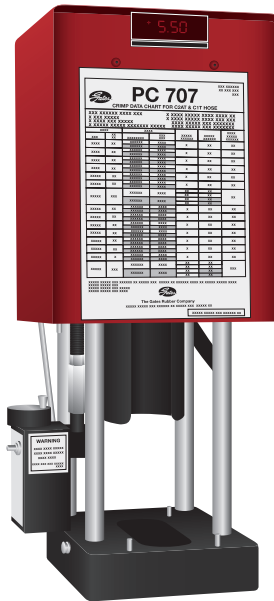
EQUIPMENT AND PARTS

# Power Crimp® 707

Gates Power Crimp 707 is the most precise, yet simplest crimper made. It was the first crimper with electronic digital readout to indicate gauge setting.

The toughest part about using the 707 is pushing a button. It takes just a few seconds to make factory-quality hose assemblies.

Crimps most hydraulic hoses from low pressure return lines to extremely high pressure spirals, from 3/16" to 1-1/4" I.D. Crimps straight and bent tube couplings, plus 45° and 90° block types. Can also be adapted for use as a power swager.



## SPECIFICATIONS

**Product Number:** 7480-0043  
Standard PC707 without die sets wired for 115 volts (includes die backup ring and a notched cone).

**Production Rate:** 100 assemblies per hour (using 1/2" I.D. two-wire straight thread assemblies).

**Dimensions:** 13" wide by 12" deep by 26-1/2" high.

**Weight:** 188 lbs.

### PC707 230V Converter Kit

Converts crimper and pump

**Product Number:** 7482-0499

## Power Crimp® 707 Die Selection Table

### For MegaCrimp® (G25) Couplings

Hose Type	Hose Sizes						
	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
M3K	721 or 731	722 or 732	733	734	735	737	—
M2T	721 or 731	722 or 732	733	734	735	737	—
G1	721 or 731	722 or 732	733	734	735	737	739
G2	721 or 731	722 or 732	733	734	735	737	739

### For GlobalSpiral™ (G20) Couplings

Hose Type	Hose Sizes					
	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
EFG6K	733	733	735	735	737	—
EFG5K	733	733	735	735	737	—
EFG4K	733	733	735	735	737	739

For other hose and coupling configurations, reference [www.gates.com/ecrimp](http://www.gates.com/ecrimp) or Gates crimp data manual.

## Die Sets (ordered separately)

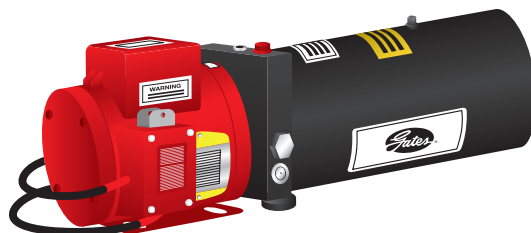
Die Set	721/731	722/732	733	734	735	737*	739*
Product No.	7482-1217/0931	7482-1218/0932	7482-0933	7482-0934	7482-0935	7482-0937	7482-0939

\* Must Use No-Notch Die Cone.

**Die Cones:** No-Notch Product Number: 7482-0297.  
Notched Product Number: 7482-0239.

# Power Crimp® Power Source

The flows of two fixed displacement pumps are combined to deliver a high volume of oil at low pressure for fast transversion.



## SPECIFICATIONS

**Product Number:** 7481-0023  
(115 volt, 30 amp, circuit, 1 h.p., 60 cycles)

**Dimensions:** 12" wide by 25" deep by 12" high.

**Weight:** 70 lbs.

**Maximum Working Pressure:** 4,900 psi.

### PC707 230V Converter Kit

Converts crimper and pump

**Product Number:** 7482-0499



# SC32™ Crimper

The Gates SC32 crimper is a versatile, easy-to-use, economical machine suitable for a hard-working shop environment. It is offered in 110V and 220V single phase versions to match the shop power supply. This rugged crimper is designed for continued use to meet day-to-day shop and counter needs for crimps on hoses up to 1-1/4" I.D. with occasional crimps for larger assemblies up to 2", 6-spiral hose.

**Product Number:** 7480-0070  
Wired for 220 Volts with 2 HP electric pump

**Product Number:** 7480-0071  
Wired for 110 Volts with 1 HP electric pump

## SPECIFICATIONS

**Dimensions:** 16.5" W x 32" D x 29" H  
**Max. Rated Working Pressure:** 10,000 psi  
**Max. Crimping Force:** 80 tons  
**Weight:** 275 Pounds  
**Warranty:** 2 Years



# SC32™ Die Selection Table

## For GlobalSpiral™ (G20) Couplings

Hose Type	Hose Sizes					
	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"
EFG3K	733	733	735	735	737	—
EFG4K	733	733	735	735	737	—
EFG5K	733	733	735	735	737	739

## For MegaCrimp® (G25) Couplings

Hose Type	Hose Sizes						
	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
M3K	721 or 731	722 or 732	733	734	735	737	—
M2T	721 or 731	722 or 732	733	734	735	737	—
G1	721 or 731	722 or 732	733	734	735	737	739
G2	721 or 731	722 or 732	733	734	735	737	739

## For GSP & GSH Couplings

Hose Type	Hose Sizes	
	1-1/2"	2"
EFG6K	311	—
EFG5K	311	314
EFG3K	311	313
G1H	310(L)	313
G2H	310(L)	312

For other hose and coupling configurations, reference [www.gates.com/ecrimp](http://www.gates.com/ecrimp) or Gates crimp data manual.

## Die Sets (ordered separately)

Die Set	21/31	22/32	33	34	35	37	39
Product No.	7482-1224/6515	7482-1225/6516	7482-6517	7482-6518	7482-6519	7482-6582	7482-7011
Die Set	310L <sup>Ⓢ</sup>	311	312	313	314	32C4	
Product No.	7482-1127	7482-7023	7482-7029	7482-6523	7482-0298	7482-6584	

<sup>Ⓢ</sup>310L supersedes 310 die.

## EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

B5





EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## GC32-XD® Crimper

The new GC32-XD crimper from Gates crimps every hose and coupling in our hydraulics catalog—fast. The open crimper head accommodates any Gates hose construction or coupling configuration, including 2-1/2" Global MegaVac® return lines. And it makes them at a rate that's twice as fast as the Gates OmniCrimp® 21 crimper, which the GC32-XD is replacing. Internally, the GC32-XD uses a unique cloverleaf\* design that simply produces a better crimp. Unlike standard annular head configurations, Gates exclusive cloverleaf design reinforces the piston so the dies move smoother for more consistent crimps without any taper in the crimp OD.



## SPECIFICATIONS

- Product Number:** 7480-7001
- Dimensions:** 37" high by 23" wide by 19-1/2" deep
- Weight:** 660 lbs.
- Motor:** 5 hp
- Pump:** 2-stage
- Power Source:** 208-260V, 45-65 Hz, 1 phase and 20 Amps
- Maximum Operating Pressure:** 470 tons
- Stand:** (Optional): 25-1/2" high by 31-3/4" wide by 16-1/2" deep (height adjustable)

\*Patent pending  
Rack and stand sold separately

## GC32-XD® Crimper

### For GlobalSpiral™ (G20) Couplings

Hose Type	Hose Sizes					
	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
EFG6K	32-33	32-33	32-35	32-35	32-37	32-310L
G5K	32-33	32-33	32-35	32-35	32-37	32-310L
C12M	32-33	32-33	—	32-35	32-37	32-39

### For MegaCrimp® (G25) Couplings

Hose Type	Hose Sizes						
	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
M3K	32-21 or 32-31	32-22 or 32-32	32-33	32-34	32-35	32-37	—
M2T	32-21 or 32-31	32-22 or 32-32	32-33	32-34	32-35	32-37	—
G1	32-21 or 32-31	32-22 or 32-32	32-33	32-34	32-35	32-37	32-39
G2	32-21 or 32-31	32-22 or 32-32	32-33	32-34	32-35	32-37	32-39

### For GSP & GSH Couplings

Hose Type	Hose Sizes	
	1-1/2"	2"
EFG6K	32-311	—
EFG5K	32-311	32-314
EFG3K	32-311	32-313
G1H	32-310(L)	32-313
G2H	32-310(L)	32-312

### For LifeGuard® Sleeving

1/4"	3/8"	1/2"
32-3234	32-3335	32-3436
5/8"	3/4"	1"
32-3537	32-3638	32-38311

For other hose and coupling configurations, reference [www.gates.com/ecrimp](http://www.gates.com/ecrimp) or Gates crimp data manual.

## Die Sets (ordered separately)

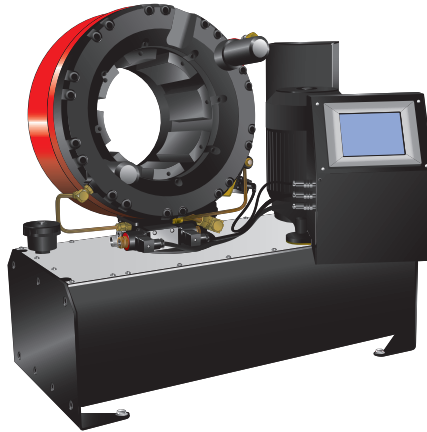
Die Set	32-21	32-22	32-31	32-33	32-34	32-35	32-36	32-37
Product No.	7482-7128	7482-7129	7482-7130	7482-7131	7482-7132	7482-7133	7482-7134	7482-7135
Die Set	32-38	32-39	32-310L	32-311	32-312	32-313	32-314	32-40
Product No.	7482-7136	7482-7137	7482-7138	7482-7139	7482-7140	7482-7141	7482-7142	7482-7143
Die Set	32-41	32-42	32-43	32-44	32-46	32-81	32-82	32-83
Product No.	7482-7144	7482-7145	7482-7146	7482-7147	7482-7148	7482-7149	7482-7150	7482-7151
Die Set	32-71	32-72	32-73	32-74	32-75	32-84	32-85	32-86
Product No.	7482-7200	7482-7201	7482-7202	7482-7203	7482-7204	7482-7152	7482-7153	7482-7154
Die Set	32-87	32-331	32-45	32-3234	32-3335	32-3436	32-3537	32-3638
Product No.	7482-7155	7482-7156	7482-7157	7482-1419	7482-1420	7482-1421	7482-1430	7482-1431
Die Set	32-38311							
Product No.	7482 - 1443							



## GC96® Crimper

The GC96 crimper is capable of crimping 2" 6 wire and up to 6" ID industrial hose. This crimper allows distributors to make reliable and professional looking assemblies providing more value to the end user. The large crimper head allows industrial hose assemblies to be made with a variety of terminations using crimpable ferrules and sleeves.

The GC96 crimper has additional versatility since in conjunction with optional spacer dies and GC32-XD® dies; it can make Gates hydraulic hose assemblies also.



### SPECIFICATIONS

**Product Number:** 7480-9001  
**Dimensions:** 31" high by 32" wide by 16" deep  
**Weight:** 650 lbs.  
**Power Source:** 208-264V, 45-65 Hz, single phase and 20 amps  
**Capability:**  
 1/4"-2" Hydraulic hose  
 2-1/2"-4" Industrial hose  
 5"-6" Industrial hose up to and including 100 PSI WP

## GC96® Crimper

### For GlobalSpiral™ (G20) Couplings

Hose Type	Hose Sizes					
	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
EFG6K	32-33	32-33	32-35	32-35	32-37	32-310L
G5K	32-33	32-33	32-35	32-35	32-37	32-310L
C12M	32-33	32-33	—	32-35	32-37	32-39

### For MegaCrimp® (G25) Couplings

Hose Type	Hose Sizes						
	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
M3K	32-21 or 32-31	32-22 or 32-32	32-33	32-34	32-35	32-37	—
M2T	32-21 or 32-31	32-22 or 32-32	32-33	32-34	32-35	32-37	—
G1	32-21 or 32-31	32-22 or 32-32	32-33	32-34	32-35	32-37	32-39
G2	32-21 or 32-31	32-22 or 32-32	32-33	32-34	32-35	32-37	32-39

### For GSP & GSH Couplings

Hose Type	Hose Sizes	
	1-1/2"	2"
EFG6K	32-311	—
EFG5K	32-311	32-314
EFG3K	32-311	32-313
G1H	32-310(L)	32-313
G2H	32-310(L)	32-312

### For LifeGuard™ Sleeving

1/4"			3/8"			1/2"		
32-3234	32-3335	32-3436						
5/8"			3/4"			1"		
32-3537	32-3638	32-38311						

For other hose and coupling configurations, reference [www.gates.com/ecrimp](http://www.gates.com/ecrimp) or Gates crimp data manual.

## Die Sets (ordered separately)

Die Set	32-21	32-22	32-31	32-33	32-34	32-35	32-36	32-37
Product No.	7482-7128	7482-7129	7482-7130	7482-7131	7482-7132	7482-7133	7482-7134	7482-7135
Die Set	32-38	32-39	32-310L	32-311	32-312	32-313	32-314	32-40
Product No.	7482-7136	7482-7137	7482-7138	7482-7139	7482-7140	7482-7141	7482-7142	7482-7143
Die Set	32-41	32-42	32-43	32-44	32-46	32-81	32-82	32-83
Product No.	7482-7144	7482-7145	7482-7146	7482-7147	7482-7148	7482-7149	7482-7150	7482-7151
Die Set	32-71	32-72	32-73	32-74	32-75	32-84	32-85	32-86
Product No.	7482-7200	7482-7201	7482-7202	7482-7203	7482-7204	7482-7152	7482-7153	7482-7154
Die Set	32-87	32-331	32-45	32-3234	32-3335	32-3436	32-3537	32-3638
Product No.	7482-7155	7482-7156	7482-7157	7482-1419	7482-1420	7482-1421	7482-1430	7482-1431
Die Set	32-38311							
Product No.	7482 - 1443							

### EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

B7

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## PolarSeal® Hose Portable Crimper II

**Product Number:** 7480-6599

Gates portable PolarSeal Crimper II is a hand-operated hose crimping machine specifically designed for crimping Gates PolarSeal couplings and is intended for use with Gates PolarSeal refrigerant hose. Standard dies included will crimp 5/16" (-6 Black), 13/32" (-8 Blue), 1/2" (-10 Green) and 5/8" (-12 Clear) sizes.

**Features:**

- Portable hand operation, easy to change over from size to size.
- Heavy-duty construction for use with air impact wrenches.
- Crimps two-braid dimension or nylon barrier hose.
- OE-style bubble crimp.
- Quick-change dies, no tools required to change sizes.
- Lightweight for easy handling, less than six lbs.
- Capable of crimping underhood air conditioning applications.
- Includes four color-coded die sets for crimping two-braid barrier hose.
- Removable die holder accommodates complicated shapes.
- Color-coded, urethane encased dies.
- Unit can be bench-mounted.
- Shipped in a custom carrying case with instructions.
- No electrical requirements.
- Locator flag centers ferrule in dies.



## PolarSeal® II Hose Pliers

The PolarSeal II pliers are used to crimp the clamps on PolarSeal II couplings.

The ratcheting pliers will not release until the crimp is complete guaranteeing a proper seal.

The straight jaw pliers are used when there are no obstructions to hinder crimping.

The notched jaw pliers are for use in tight quarters. Use the side or the front of the pliers to complete the crimp.



**Ratcheting Pliers**  
**Product Number:** 7369-5503



**Straight Jaw Pliers**  
**Product Number:** 7369-5502



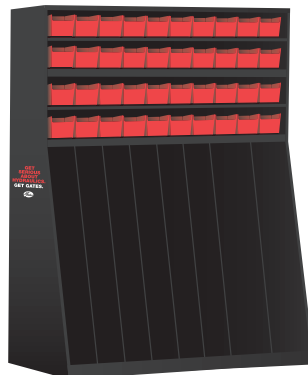
**Notched Jaw Pliers**  
**Product Number:** 7369-5501

## Vertical Hydraulic Hose Cabinet

Rack up sales and get organized at the same time with a new 'vertical' hydraulic hose cabinet from Gates.

**Product Number:** 7484-0022

- Six narrow and two wide slots to stock a variety of hydraulic hoses.
- Designed to support one hydraulic coupling cabinet on top for maximum efficiency.
- Optional choice for use as cabinet base with maximum of one four-drawer cabinet.
- Shown with four-drawer cabinet (purchase separately as Product No. 7484-0010).



## Hydraulic Hose Reel Rack

This sturdy and convenient rack stores three reels of hose.

**Product Number:** 7484-0019

**Dimensions:** 30" deep by 28" wide by 72" high



# Hydraulic Coupling Cabinet

## Customized to fit all your needs!

Now even more versatile, these easy-to-assemble units are compactly designed to give you years of reliable service. *Components are ordered individually by product number for easy customization.*

### 1 ■ MobileCrimp® 4-20

Pre-drilled holes in mounting shelf (item #2 below) allows easy mounting of either the Positive Stop or Digital Dial MobileCrimp 4-20 crimper.

#### Safety Hints:

If the MobileCrimp 4-20 is mounted on top of the cabinet, you **must**:

- Use crimper mounting shelf (item #2 below)
- Bolt shelf and cabinet to wall using pre-drilled holes
- Not use the caster leg set

### 2 ■ Mounting Shelf for MC 4-20 Crimper

Product No. 7484-0013

### 3 ■ Coupling Cabinet with Four Sliding Shelves (Two Shown)

Product No. 7484-0010

Shelves slide out for easy access and can hold a combination of ten 3-1/2" wide bin boxes or five 7" wide bin boxes. Unit can be stacked and bolted together as shown in illustration. Each measures 41" wide by 21" high by 12" deep.

#### Safety Hint:

Slide open only one shelf at a time to avoid tipping.

### 4 ■ Stationary Legs (Shown)

Product No. 7484-0011

Allows for precise leveling.

### Heavy-Duty Caster Leg Set (Not Shown)

Product No. 7484-0012

Set consists of four heavy-duty casters, two of which can be locked.

### ■ Bin Boxes

- 5 Order separately in whatever combination best fits your needs. Dividers come with each bin box. Each bin box has slots to allow for maximum utilization.

Description	Product No.
Ten 3.5" wide bins with 30 dividers	7484-0014
Five 7" wide bins with 15 dividers	7484-0015
Three dividers for 3.5" wide bin box	7484-0016
Four dividers for 7" wide bin box	7484-0017

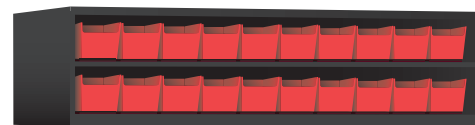


When assembled, the typical combination of two four-shelf coupling cabinets and stationary leg set as shown measures 48" high by 41" wide by 12" deep.

# Two-Drawer Coupling Cabinet

Product No. 7484-0021

This two-drawer cabinet is ideal to add nylon air brake tubing couplings to your hydraulic inventory. This cabinet can be stacked and bolted together with your existing hydraulic cabinet. Uses the same bin boxes as listed above. Measures 41" wide by 11" high by 12" deep.



## EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

gates.com/hydraulics

B9



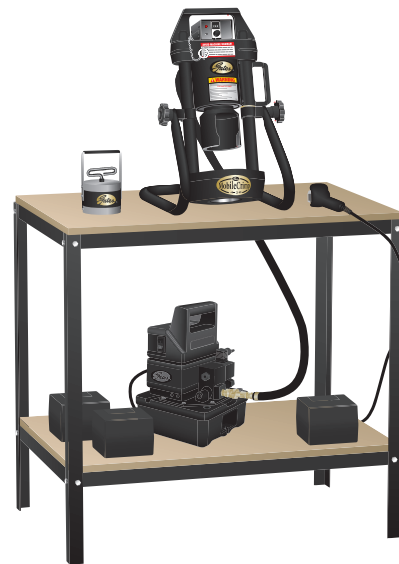
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Work Bench

**Product Number:** 7484-0020

**Dimensions:** 36" wide by 24" deep by 36" tall

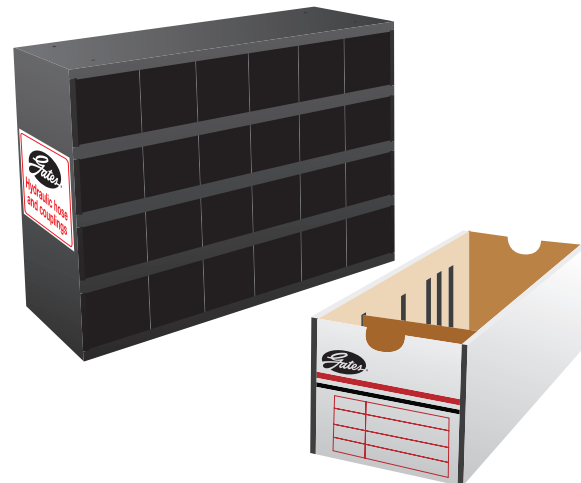
This new hydraulic work bench is ideal for holding either the Power Crimp® 707 or MobileCrimp® 4-20 crimpers as well as hydraulic saws. The lower shelf can be used for storage or as shown with the pump. It is made of an angle iron frame construction with a high-density fiberboard top and welded 13-gauge steel lower shelf. All hardware is included to allow for easy assembly in about 10 minutes.



## Hydraulic Coupling Bin

**Product Number:** 7484-0007

The 24-bin cabinet is constructed of heavy gauge steel. Cabinet measures 34" wide by 24" high by 12" deep. Excellent for storing large 1-1/4" to 2" I.D. couplings.



## Coupling Bin Boxes

Bin boxes for hydraulic couplings. Corrugated cardboard design gives extra strength. Includes four dividers per box.

**Product Number:** 7484-0008

**Measures:** 5" wide by 4-1/2" high by 11" deep.

**Product Number:** 7484-0009

**Measures:** 7-1/2" wide by 4-1/2" high by 11" deep.

## Gates Hose Cutter Model 2-24

For two-wire braid hose through 1-1/2" ID.

**Product Number:** 7480-6600

**Clean Easy Cuts – Safe Operation**

**FEATURES:**

- Cuts up to 1-1/2" I.D. two-wire braid reinforced hose.
- Designed to operate on standard 20 amp service.
- Reversible 8" scalloped-edge, high-speed steel blade with 5/8" bore can be sharpened.
- Radius hose feed into blade for safety and reduced friction.
- Inner blade guard for safe operation.

**SPECIFICATIONS**

**Power Source:** 1-1/2 HP (2.6 HP Peak), 115V, 60 Hz., 15 Amp motor with power cord and plug.

**Dimensions:** 13" wide by 24" length by 17" high.

**Weight:** 65 lbs.



**Replacement Blade**

**Product Number:** 7793-0113



## Gates Power Cutter 208

**Product Number:** 7480-6609

### Effortless Straight Cuts Every Time

- Clear face shield for added safety.
- Powerful high torque, 4.5 horsepower peak motor that makes cutting faster and easier.
- Includes scalloped, 12" blade to dissipate heat, reducing friction for clean, faster cuts up to 1-1/4" I.D.
- Optional abrasive blade for continuous use with 1-1/4" I.D. and larger spiral-wire reinforced hose.
- Safely cuts two and four-wire hoses through 2", six-wire hoses through 1-1/4".
- Reversible blade can be sharpened; removal and installation is easy.
- Cuts small 3/16" I.D. hose and handles the tough jobs, including 2" I.D. spiral wire hoses.\*
- Easy to use, front face plate with moveable pins holds hose securely for a clean straight cut.
- Sturdy blade guard shields blade for safety.
- Permanent mounting brackets (included) to attach saw to table.

\*Optional abrasive blade preferred for cutting spiral-wire hose, larger than 1-1/4" I.D.

#### CUTTER SPECIFICATIONS

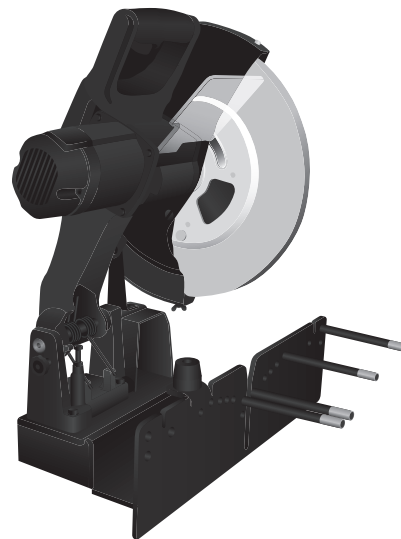
**Shaft/Arbor Hole Diameter:** 1"

**Power Source:** 4.5 HP Peak, 115/50/60 Hz, 20 Amps.

**No Load Speed:** 3,500 rpm

**Dimensions:** 22-1/2" wide by 18-1/4" length by 23-1/2" high

**Weight:** 65 lbs.



**Caution:** Keep blade sharp. Heat generated by a dull blade can damage steel and flare the hose.

#### BLADE SPECIFICATIONS

**Blade Dimensions:** 12" by 1/8"

**Scalloped Replacement**

**Product Number:** 7482-0983

**Optional Abrasive**

**Product Number:** 7482-0426

## Gates Hose Cutter Model 6-32

For six-wire spiral and two-wire braid hose through 2" I.D.

**Product Number:** 7480-6597

### Clean Easy Cuts – Safe Operation

#### FEATURES:

- Cuts up to 2" I.D. two-wire braid through six-spiral reinforced hose.
- Reversible 10" scalloped-edge, high-speed steel blade with 3/4" bore, can be sharpened.
- Radius hose feed into blade for safety and reduced friction.
- Inner blade guard for safe operation.
- Includes **Coolant Spray System Kit** for reduced heat in high-capacity cutting applications (recommended for multi-braid and spiral reinforced hose). Kit includes reservoir, spray nozzle and mounting hardware.
- Power cord not included.



#### SPECIFICATIONS

**Power Source:** 3 HP (5.2 HP Peak), Single phase, 230V, 60 Hz., 20 Amp motor

**Dimensions:** 22" wide by 42" length by 24" high

**Weight:** 215 lbs.

**Replacement Blade**

**Product Number:** 7482-1329

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

B11



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

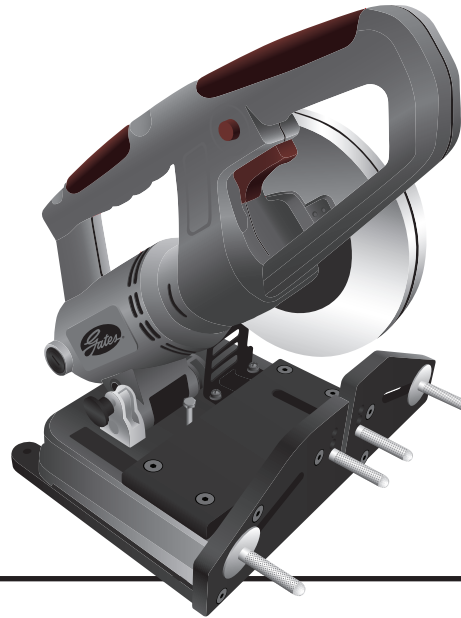
## 4-16 Portable Hose Saw

### SPECIFICATIONS

- Voltage:** 120 Volts
- Cycle:** 60 Hz / 1 phase
- Power:** 6.5 Amp
- No-load speed:** 7,400 rpm
- Wheel size:** 6"
- Arbor Hole:** 7/8"

### FEATURES:

- Cuts up to 1", four-wire braid
- Abrasive cut-off wheel



## Hand-Held Hose Cutter

**Product Number:** 7469-0153

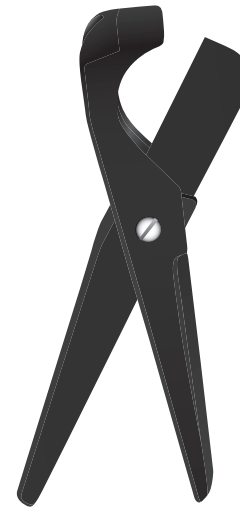
Makes clean cuts—no ragged edges. Cuts most non-metal reinforced rubber hoses. Excellent for cutting textile-reinforced hose.

### FEATURES:

- Lightweight with nylon handles.
- Blade closes into handle for safety.
- Cutter and blades packaged individually on shrink-wrapped cards.

### Replacement Blade

**Product Number:** 7469-0154



## Small Nylon Tubing Cutter & Replacement Blades

**Product Number:** 7208-40105

Tubing cutter gives straight, clean, square cuts on J844 tubing.

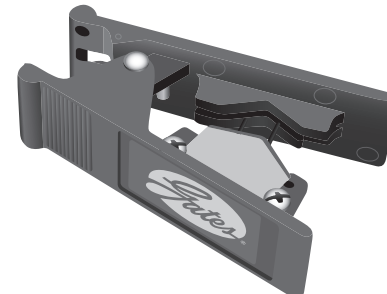
### FEATURES:

- Lightweight and compact size – 3/4" by 3".
- Designed to ensure user's safety.
- "Blade guard" offers more protection against accidental blade contact.
- Handle has ribs for improved grip.

### Replacement Blade

**Product Number:** 7208-40205

Gates also offers replacement blades in a five pack bag.

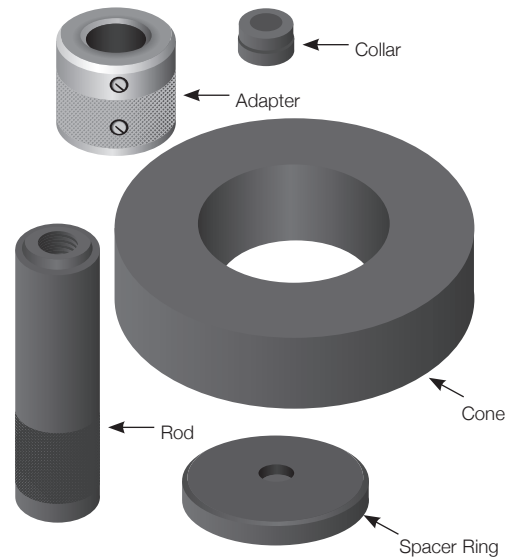


## Swager Conversion Kit for the Power Crimp® 707

Produces top quality assemblies using Gates 1/8" and 3/16" thermoplastic hydraulic hose with Gates PCTS couplings and Gates C14 PTFE hose and couplings. Easily converts the Power Crimp 707 to a power swager.

Description	Product Number
Complete Kit	7480-0040
Collar	7482-0429
Die Cone	7482-0430
Adapter	7482-0433
Actuator Rod	7482-0482
1/2" Spacer Ring	7482-1253

*Dies and pushers must be ordered separately. See Swage Data Chart in Gates Crimp Data Manual for details.*



## Gates HS-1 Hand Swager

**Product Number:** 7483-1000

Produces top quality assemblies using Gates 1/8" and 3/16" thermoplastic hydraulic hose with Gates PCTS couplings and Gates C14 PTFE hose and couplings.

Simply insert the assembly into the swager from the bottom, place dies around the coupling, and pump the handle.

A six-ton jack then goes to work and the swage is completed. Positive dies ensure a correct swage every time.

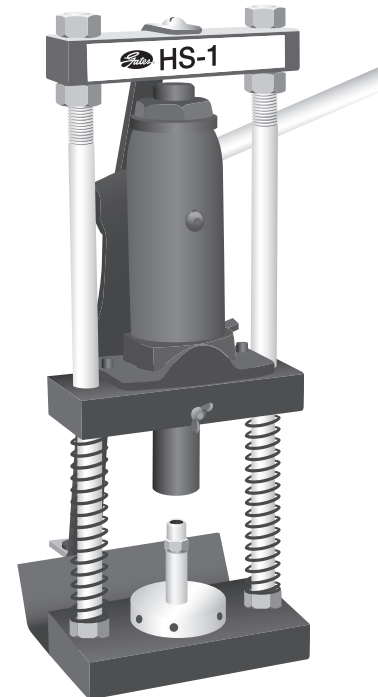
The perfectly swaged assembly is removed and you are ready to repeat the process.

Pushers and dies must be ordered separately.

### SPECIFICATIONS

**Dimensions:** 15" wide by 7" deep by 19-1/2" high

**Weight:** 41 lbs.



### EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

B13



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Hose Assembly Machine Power Mate 25

Portable hose assembly machine for field attachable couplings.

**Machine Product Number:** 7480-0029  
(115 volts, 30 amps, 1 phase, 60 cycles.)

**Folding Stand Product Number:** 7480-0030

- Produces complete, dependable hose assemblies.
- Applies field attachable couplings in sizes from 3/16" through 2" I.D. on medium and high-pressure hoses.
- Accommodates male pipe, swivel, flange and elbow type field attachable couplings.
- Easy and safe to operate.
- Hand-skiving tool can be used with Power Mate 25.
- Affords quick and simple operation—reduces costly downtime and delays.
- Heavy-duty—provides years of trouble-free service.
- Weighs 141 lbs. (without stand). Takes up less than 4 by 5 ft. of floor space with stand.
- Can be bench mounted or made portable with folding leg stand.

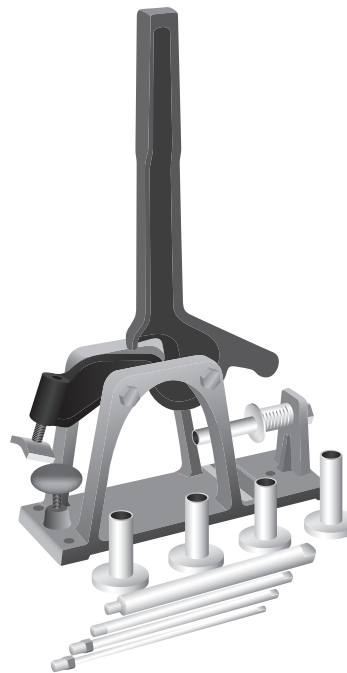


## Push-On Tool

**Product Number:** 7480-0100

This hand-operated coupling machine, made of rugged cast iron and steel construction, eliminates the hard work of manually pushing stems into hoses.

It comes complete with mandrels for 1/4", 3/8", 1/2", 5/8" and 3/4" I.D. sizes of lock-on couplings.



## Hand-Operated Hose Perforator Tool

These hose perforators have needle-studded wooden rollers which perforate the covers of non-skive wire braid hose used in high pressure inert gas applications. They are hand-operated so the operator can control the degree of perforation in the hose cover.

**1-1/4" Hose Perforator for 3/16" to 3/4" I.D. Hose**  
**Product Number:** 7482-6565

**Dimensions:** 2-1/2" O.D. roller by 1-1/4" wide by 8" OAL.

**Weight:** 3/4 lbs.

**3" Hose Perforator for 1" to 2" I.D. Hose**  
**Product Number:** 7482-6566

**Dimensions:** 3-3/4" O.D. roller by 3" wide by 9-1/2" OAL.

**Weight:** 1-1/4 lbs.



## C14 Hose Cutting Shear Recommended for C14 PTFE Hose

**Product Number:** 7480-6596

This cutting shear handles Gates C14 PTFE hose up through 1" without requiring pretaping of the hose. The shear is fast and easy to use and results in a very clean cut.

**Weight:** 18 lbs.

**Dimensions:** 9" wide by 15" high by 14" deep. 30" handle.



### EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

B15

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## C14 Hose Insertion Die Holder for Use with Hose Insertion Dies

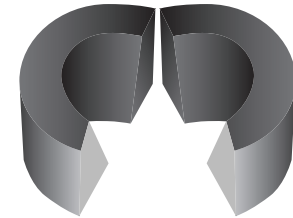
Required for inserting hose into ferrule on all sizes. Use the fixture (see photo) to mount the Hose Insertion Die Holder onto a bench top to aid in the assembly of Gates C14 hose. Each item listed in the table below must be ordered separately. See product numbers listed in Gates Crimp Data and Dies Manual.



Description	Product Number
Hose Insertion Die Holder	7483-0510
Hose Insertion Fixture	7483-0511

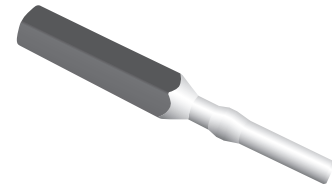
## C14 Hose Insertion Dies

Used to guide the hose into the ferrule when used with the Hose Insertion Die Holder. One set required for each hose size. See product numbers listed in Gates Crimp Data and Dies Manual.



## C14 Hose Expanders

Used to expand the hose and round out the tube after cutting and to insert the stem into the hose. One expander required for each hose size. See product numbers listed in Gates Crimp Data and Dies Manual.



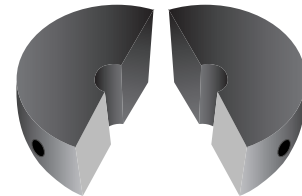
## C14 Swage Pushers

Specially designed to accommodate Gates C14 couplings. They protect the threads and bottom out on the dies to complete the swage. Use the C14 Swage Data Chart in Gates Crimp Data and Dies Manual to determine the proper pushers.



## C14 Swage Dies

Specifically designed to swage Gates C14 hose assemblies. They provide the required swage dimensions to meet full performance. One die set is required for each hose size. See product numbers listed in Gates Crimp Data and Dies Manual.

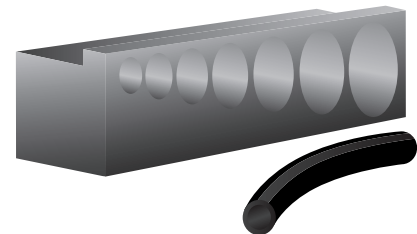


## MegaCrimp® Coupling Insertion Tool

**Product Number:** 7482-1342

Offers an easy way to confirm the right insertion depth for all Gates wire-braid hydraulic hoses.

To use, simply insert the hose into its proper slot indicated by dash size, push it all the way in, check for square cut (maximum allowable angle of cut is five degrees), then mark the insertion depth on the hose.



# MegaClean™ System

Used to remove dirt from the inside out with the help of pressurized launchers and compatible nozzles. Gates MegaClean foam projectiles sweep through the inside surface of the hose, taking fine particles of loose dirt and other contaminants with them. At 20–30 percent larger than the hose ID, these projectiles leave nothing behind but a hose that truly is clean from the inside out.

## MegaClean MC-K32 Kit

**Product Number 7467-0001**

- MCL-32 Hand Launcher (Including "Rotary" Plug & Coupler)
- MC-GAR-1 Adapter Ring (-4 thru -20)
- LC32 Carrying & Storage Case
- Hose Nozzles GH-04, GH-05, GH-06, GH-08, GH-10, GH-12, GH-16, GH-20, GH-24, GH-32
- JIC Assembly Nozzles GA-04, GA-06, GA-08, GA-10, GA-12, GA-16, GA-20, GA-24, GA-32
- GA-04-FFORX Nozzle
- MC-32 Launcher Stand
- 1 Projectile Catcher Bucket
- 1 Roll MegaClean Assembly Tape
- 1 Bag of Projectiles Listed in Chart Below

## MegaClean MC-K20 Kit

**Product Number 7467-0002**

- MCL-20 Hand Launcher
- Female Quick-Release Coupler
- LC20 Carrying & Storage Case
- Hose Nozzles GH-04, GH-05, GH-06, GH-08, GH-10, GH-12, GH-16, GH-20
- 1 Projectile Catcher Bucket
- 1 Roll MegaClean Assembly Tape
- 1 Bag of Projectiles Listed in Chart Below

## MegaClean Projectiles Included in Kits

Product Number	Part Number	MC-K32	MC-K20	Bag Quantity
7467-50005	HAP-04	X	X	100
7467-50025	HP-04	X	X	100
7467-50035	HAP-06	X	X	100
7467-50045	HP-06	X	X	100
7467-50055	HAP-08	X	X	100
7467-50065	HP-08	X	X	100
7467-50075	HP-08-1	X	X	50
7467-50085	HP-10	X	X	50
7467-50105	HP-12	X	X	50
7467-50135	HP-16	X	X	40
7467-50155	HP-20	X	X	30
7467-50175	HP-24	X		20
7467-50195	HP-32	X		15



## How it works:



**Step 1**



**Step 2**

(continues next page)

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





## MegaClean™ System Replacement Projectiles

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Description	Product Number	Part Number
MegaClean HAP-04-01 Assembly Projectile (100 ea)	7467-50005	MC-HAP-04-1
MegaClean HAP-04 Assembly Projectile (100 ea)	7467-50015	MC-HAP-04
MegaClean HP-04 Hose Projectile (100 ea)	7467-50025	MC-HP-04
MegaClean HAP-06 Assembly Projectile (100 ea)	7467-50035	MC-HAP-06
MegaClean HP-06 Hose Projectile (100 ea)	7467-50045	MC-HP-06
MegaClean HAP-08 Assembly Projectile (100 ea)	7467-50055	MC-HAP-08
MegaClean HP-08 Hose Projectile (100 ea)	7467-50065	MC-HP-08
MegaClean HP-08-1 Hose Projectile (50 ea)	7467-50075	MC-HP-08-1
MegaClean HP-10 Hose Projectile (50 ea)	7467-50085	MC-HP-10
MegaClean HP-10-1 Hose Projectile (50 ea)	7467-50095	MC-HP-10-1
MegaClean HP-12 Hose Projectile (50 ea)	7467-50105	MC-HP-12
MegaClean HP-12-1 Hose Projectile (40 ea)	7467-50115	MC-HP-12-1
MegaClean HP-14 Hose Projectile (40 ea)	7467-50125	MC-HP-14
MegaClean HP-16 Hose Projectile (40 ea)	7467-50135	MC-HP-16
MegaClean HP-16-1 Hose Projectile (30 ea)	7467-50145	MC-HP-16-1
MegaClean HP-20 Hose Projectile (30 ea)	7467-50155	MC-HP-20
MegaClean HP-20-1 Hose Projectile (20 ea)	7467-50165	MC-HP-20-1
MegaClean HP-24 Hose Projectile (20 ea)	7467-50175	MC-HP-24
MegaClean HP-24-1 Hose Projectile (15 ea)	7467-50185	MC-HP-24-1
MegaClean HP-32 Hose Projectile (15 ea)	7467-50195	MC-HP-32
MegaClean HP-32-1 Hose Projectile (10 ea)	7467-50205	MC-HP-32-1
MegaClean HP-40 Hose Projectile (10 ea)	7467-50215	MC-HP-40
MegaClean HP-48 Hose Projectile (10 ea)	7467-50225	MC-HP-48
MegaClean HP-56 Hose Projectile (10 ea)	7467-50235	MC-HP-56
MegaClean HP-64 Hose Projectile (10 ea)	7467-50245	MC-HP-64

Description – Bulk Pack	Product Number	Part Number
MegaClean HAPB-04-01 Assembly Projectile Bulk (10000 ea)	7467-5000	MC-HAPB-04-1
MegaClean HAPB-04 Assembly Projectile Bulk (10000 ea)	7467-5001	MC-HAPB-04
MegaClean HAPB-04 Assembly Projectile Bulk (10000 ea)	7467-5002	MC-HPB-04
MegaClean HAPB-06 Assembly Projectile Bulk (10000 ea)	7467-5003	MC-HAPB-06
MegaClean HPB-06 Hose Projectile Bulk (10000 ea)	7467-5004	MC-HPB-06
MegaClean HAPB-08 Assembly Projectile Bulk (10000 ea)	7467-5005	MC-HAPB-08
MegaClean HPB-08 Hose Projectile Bulk (10000 ea)	7467-5006	MC-HPB-08
MegaClean HPB-08-1 Hose Projectile Bulk (9000 ea)	7467-5007	MC-HPB-08-1
MegaClean HPB-10 Hose Projectile Bulk (7000 ea)	7467-5008	MC-HPB-10
MegaClean HPB-10-1 Hose Projectile Bulk (5500 ea)	7467-5009	MC-HPB-10-1
MegaClean HPB-12 Hose Projectile Bulk (4000 ea)	7467-5010	MC-HPB-12
MegaClean HPB-12-1 Hose Projectile Bulk (3800 ea)	7467-5011	MC-HPB-12-1
MegaClean HPB-14 Hose Projectile Bulk (3500 ea)	7467-5012	MC-HPB-14
MegaClean HPB-16 Hose Projectile Bulk (2000 ea)	7467-5013	MC-HPB-16
MegaClean HPB-16-1 Hose Projectile Bulk (1900 ea)	7467-5014	MC-HPB-16-1
MegaClean HPB-20 Hose Projectile Bulk (1500 ea)	7467-5015	MC-HPB-20
MegaClean HPB-20-1 Hose Projectile Bulk (1200 ea)	7467-5016	MC-HPB-20-1
MegaClean HPB-24 Hose Projectile Bulk (650 ea)	7467-5017	MC-HPB-24
MegaClean HPB-24-1 Hose Projectile Bulk (600 ea)	7467-5018	MC-HPB-24-1
MegaClean HPB-32 Hose Projectile Bulk (450 ea)	7467-5019	MC-HPB-32
MegaClean HPB-32-1 Hose Projectile Bulk (360 ea)	7467-5020	MC-HPB-32-1



Step 3



Step 4



Step 5



Step 6



# Seven Easy Steps for Selecting the Proper Hose

An effective way to remember hose selection criteria is to remember the word...

## STAMPED

- S** = Size
- T** = Temperature
- A** = Application
- M** = Material to be conveyed
- P** = Pressure
- E** = Ends or couplings
- D** = Delivery (volume and velocity)

### 1. Hose Size (Dash Numbers)

The inside diameter of the hose must be adequate to keep pressure loss to a minimum and avoid damage to the hose due to heat generation or excessive turbulence. See hose sizing Nomographic Chart.

To determine the replacement hose size, read the layline printed on the side of the original hose. If the original hose layline is painted over or worn off, the original hose must be cut and the inside diameter measured for size.

**NOTE: Before cutting an original hose assembly, measure the overall assembly length and fitting orientation. These measurements will be required to build the replacement assembly.**

The hydraulics industry has adopted a measuring system called Dash Numbers to indicate hose and coupling size. The number which precedes the hose or coupling description is the dash size (see table). This industry standard number denotes hose I.D. in sixteenths of an inch. (The exception to this is the SAE100R5 hoses C5C, C5D, C5E, C5M as well as, C14 and AC134a, where dash sizes denote hose I.D. equal to equivalent tube O.D.) See chart to the right.

Dash No.	Hose I.D. (Inches)			
	All Except C5 Series, C14 and AC134a		C5 Series, C14 and AC134a	
	Inches	Millimeters	Inches	Millimeters
-2	1/8	3.2	--	--
-3	3/16	4.8	--	--
-4	1/4	6.4	3/16	4.8
-5	5/16	7.9	1/4	6.4
-6	3/8	9.5	5/16	7.9
-8	1/2	12.7	13/32	10.3
-10	5/8	15.9	1/2	12.7
-12	3/4	19.0	5/8	15.9
-14	7/8	22.2	--	--
-16	1	25.4	7/8	22.2
-20	1-1/4	31.8	1-1/8	28.6
-24	1-1/2	38.1	1-3/8	34.9
-32	2	50.8	1-13/16	46.0
-36	2-1/4	57.6	--	--
-40	2-1/2	63.5	2-3/8	60.3
-48	3	76.2	--	--
-56	3-1/2	88.9	--	--
-64	4	101.6	--	--
-72	4-1/2	115.2	--	--

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Selecting the Proper Hose — con't.

Hose O.D. can be a critical factor when hose routing clamps are used or hoses are routed through bulkheads. Check individual hose specification tables for O.D.'s.

### 2. Temperature

When selecting a replacement assembly, two areas of temperature must be considered. These are fluid temperature and ambient temperature. The hose selected must be capable of withstanding the minimum and maximum temperature seen by the system. Care must be taken when routing near hot manifolds and in extreme cases a heat shield may be advisable.

See the Gates Hydraulic Hose Selection Guide; Hose Specification Pages; and/or the Additional Temperature Limits for Gates Hydraulic Hoses Chart for temperature ranges and limits for water, water/oil emulsions and water/glycol solutions.

### 3. Application

Determine where or how the replacement hose or assembly is to be used. Most often only a duplicate of the original hose will have to be made. To fulfill the requirements of the application, additional questions may need to be answered, such as:

- Where Will Hose be Used?
- Fluid and/or Ambient Temperature?
- Hose Construction?
- Equipment Type?
- Fluid Compatibility?
- Thread End Connection Type?
- Working and Surge Pressures?
- Environmental Conditions?
- Permanent or Field Attachable Couplings?
- Suction Application?
- Routing Requirements?
- Thread Type?
- Government and Industry Standards Being Met?
- Unusual Mechanical Loads?
- Minimum Bend Radius?
- Non-Conductive Hose Required?
- Excessive Abrasion?

### 4. Material to be Conveyed

Some applications require specialized oils or chemicals to be conveyed through the system. Hose selection must ensure compatibility of the hose tube, cover, couplings and O-rings with the fluid used. Additional caution must be exercised in hose selection for gaseous applications such as refrigerants and LPG.

NOTE: All block type couplings contain nitrile O-rings which must be compatible with the fluids being used.

### 5. Pressure

Most important in the hose selection process is knowing system pressure, including pressure spikes. Published working pressures must be equal to or greater than the system pressure. Pressure spikes greater than the published working pressure will shorten hose life and must be taken into consideration. Gates DOES NOT recommend using hoses on applications having pressure spikes greater than published working pressures of the hose.

### 6. Ends of Couplings

Identify end connections using Gates coupling templates and measuring tools or Coupling Identification section. Once thread ends have been identified, consult the appropriate section of the catalog for specific part number selection.

### 7. Delivery (Volume and Velocity)

If the same I.D. of the original hose is used, assume the system is properly sized to efficiently transport fluid. If the system is new or altered, determine the hose I.D. needed to transport required fluid volume flow by using the Nomographic Chart.



# Agency Specifications and Hose Selection Guide

## INDUSTRY AGENCIES

- ABS** — American Bureau of Shipping
- AS** — Australia Standard
- DIN** — Deutsch Industry Norm, German
- DNV** — Det Norske Veritas for North Sea Floating Vessels
- EN** — European Norm/Standard
- GL** — Germanischer Lloyds
- IJS** — Industrial Jack Specifications

**RCCC** — Regular Common Carrier Conference for Fleet Truck and Bus

**SAE** — Society of Automotive Engineers

## GOVERNMENT AGENCIES

**DOT/FMVSS** — U.S. Department of Transportation/  
Federal Motor Vehicle Safety Standard

**MSHA** — U.S. Mine Safety and Health Administration

**USCG** — U.S. Coast Guard

### Meets These Agency Specifications

Hose Type	ABS	AS	DIN	DNV	EN	GL	IJS	RCCC	SAE	DOT/ FMVSS	MSHA	USCG J1942	
												Fuel Oil	Power
EFG6K, G6K	X	X	20023 4SH/4SP	X	EN 856 4SH/4SP	X			100R15		X		X
EFG5K, G5K	X	X	20023 4SH/4SP	X	EN 856 4SH/4SP	X			100R13		X		X
EFG4K, G4K	X	X	20023 4SP	X	EN 856 4SP	X			100R12		X		X
EFG3K, G3K	X		20023 4SP		EN 856 4SP	X			100R12		X		X
M5K		X		X		X							
M4K+	X	X		X		X			100R19		X		X
M4KH	X					X			100R19		X		X
G2XH									100R2 Type AT		X		X
G2AT-HMP									100R2 Type AT		X		X*
M2T®	X	X		X	EN 853 2SN				100R16		X		X
M2T® Plus					EN 853 2SN				100R16		X		
CM2T				X	EN 857 2CS	X			100R16		X		
G2		X	20022 2SN	X	EN 853 2SN	X			100R2 Type AT		X		X
G2H		X		X	EN 853 2SN				100R2 Type AT		X	X	X
J2AT							X				X		
M3K	X	X		X	EN 857	X			100R17		X		X
M3K -12, -16	X	X		X	EN 857	X			100R17, 100R9		X	X	X
G1		X	20022 1SN	X	EN 853 1SN	X			100R1 Type AT		X		X
G1H				X	EN 853 1SN				100R1 Type AT		X	X	
MegaTech™									J1402, J1405	106-74 (-4 to -10)			
TR500									J1402	106-74			
NABT									J844				
C5C								RP305(B)	100R5	106-74 Type All (-4 to -10)			
C5E									J1405	106-74 Type AI			
C5D									J1405	106-74 Type All			
C5M	X								J30R2, J1527		X	X	
G3H					EN 854 R3				100R3				
GTH, GTHX					EN 854 R6				100R6				
GMV	X®	X							100R4		X		X
LOL											X		
THERMOPLASTIC TH7, TH7NC*** TH8, TH8NC TH18, TH18NC									100R7 100R8 100R18				
C14									100R14				
REFRIGERANT PolarSeal® AC134a									J51 Type 2, J2064				
POWER STEERING PS188									2050				

\* Except 1/4"

\*\* Except 3/8" & 1/2"

\*\*\* TH7NC meets ANSI A92.2 for vehicle mounted aerial devices (-3 to -8)

@ to be used with a fire sleeve

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.

gates.com/hydraulics

C3





## Characteristics of Hose Stock Types

The characteristics shown below are for the normal or usual range of these specific stocks. Stocks can be changed somewhat through different compounding to meet the requirements of specialized applications.

Tube and cover stocks may occasionally be upgraded to take advantage of improved materials and technology.

For detailed information on a specific hose tube or cover stock, check the Chemical Resistance Table and also the specific hose page.

Characteristics							
	Neoprene (Poly-Chloroprene) Type A	Nitrile (Acrylonitrile and Butadiene) Type C	Nylon Type Z	Hypalon* (Chlorosulfonated Polyethylene) Type M	EPDM (Ethylene Propylene Diene) Type P	CPE (Chlorinated Polyethylene) Type J	PTFE (Poly-tetrafluoro-ethylene) Type T
Flame Resistance	Very Good	Poor	Good	Good	Poor	Good	Good
Petroleum Base Oils	Good	Excellent	Good to Excellent	Good	Poor	Very Good	Excellent
Diesel Fuel	Fair to Good	Good to Excellent	Good to Excellent	Good	Poor	Good	Excellent
Resistance to Gas Permeation	Good	Good	Good To Excellent	Good to Excellent	Fair to Good	Good	Good to Excellent
Weather	Good to Excellent	Poor	Excellent	Very Good	Excellent	Good	Excellent
Ozone	Good to Excellent	Poor for Tube; Good For Cover	Excellent	Very Good	Outstanding	Good	Excellent
Heat	Good	Good	Good	Very Good	Excellent	Excellent	Excellent
Low Temperature	Fair to Good	Poor to Fair	Excellent	Poor	Good to Excellent	Good	Excellent
Water-Oil Emulsions	Excellent	Excellent	Good to Excellent	Good	Poor	Excellent	Excellent
Water/Glycol Emulsions	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Diesters	Poor	Poor	Excellent	Fair	Excellent	Very Good	Excellent
Phosphate Esters	Fair (For Cover)	Poor	Excellent	Fair	Very Good	Very Good	Excellent
Phosphate Ester Base Emulsions	Fair (For Cover)	Poor	Excellent	Fair	Very Good	Very Good	Excellent

\*Registered trademark of DuPont.

## Cover Abrasion Resistance

These comparisons are based on test results per ISO 6945 abrasion testing. The table shows the expected number of times of extended cover service life as compared to a standard cover.

	Modified Nitrile (Standard cover)	Nylon Sleeve	XtraTuff™	MegaTuff®
Relative Abrasion Resistance	1	15 X Standard Cover	25 X Standard Cover	300 X Standard Cover

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



## Gates Hydraulic Hose Selection Guide

Standard Industry Specification	Gates Description	Construction (Reinforcement)	Use	Stock			
				Tube		Cover	
				Name	Type	Name	Type
Gates Proprietary Design	G8K	6-spiral, wire	Extremely High Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils	Neoprene	A	Neoprene	A
ISO 3862 R15 SAE 100R15 EN 856 TYPE 4SP/4SH	EFG6K	4&6-spiral, wire	Extremely High Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	Neoprene	A
	EFG6K-MTF	4&6-spiral, wire	Extremely High Abrasion Resistant, Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	-
ISO 3862 R13 SAE 100R13 EN 856 TYPE 4SP/4SH	EFG5K	4&6-spiral, wire	Extremely High Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	Neoprene	A
	EFG5K-MTF	4&6-spiral, wire	Extremely High Abrasion Resistant, Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	-
ISO 3862 R12 SAE 100R12 EN 856 Type 4SP ++	EFG4K	4&6-spiral, wire	Extremely High Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	Neoprene	A
	EFG4K-MTF	4&6-spiral, wire	Extremely High Abrasion Resistant, Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	-
ISO 3862 R12 SAE 100R12 EN 856 Type 4SP	EFG3K	4-spiral, wire	Extremely High Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	Neoprene	A
	EFG3K-MTF	4-spiral, wire	Extremely High Abrasion Resistant, Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	-
Gates Proprietary Design	M-XP	2-braid, wire	Extremely High Pressure & Impulse Cycle Life, High Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile	C2
Gates Proprietary Design	M6K	2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile	C2
Gates Proprietary Design	M5K	2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile	C2
Gates Proprietary Design	M5K-XTF	2-braid, wire	High Abrasion Resistant, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	XtraTuff	Nitrile/PVC
Gates Proprietary Design	M5K-MTF	2-braid, wire	Extremely High Abrasion Resistant, High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	-
ISO 11237 R19 SAE 100R19	M4K	2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile	C2
	M4K-XTF	2-braid, wire	High Abrasion Resistant, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	XtraTuff	Nitrile/PVC
	M4K-MTF	2-braid, wire	Extremely High Abrasion Resistant, High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	-
	M4KH	2-braid, wire	High Temperature, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Chloroprene	CR
	M4KH-MTF	2-braid, wire	Extremely High Abrasion Resistant, High Temperature, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	-
ISO 11237 R17 SAE 100R17	M3K	1 & 2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile	C2
	M3K-XTF	1 & 2-braid, wire	High Abrasion Resistant, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	XtraTuff	Nitrile/PVC
	M3K-MTF	1 & 2-braid, wire	Extremely High Abrasion Resistant, High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	-
	M3KH	1 & 2-braid, wire	High Temperature, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Chloroprene	CR
	M3KH-MTF	1 & 2-braid, wire	Extremely High Abrasion Resistant, High Temperature, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	-
ISO 11237 2SC R16 EN 857 2SC SAE 100R16	M2T®	2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile	C2
	M2T®-XTF	2-braid, wire	High Abrasion Resistant, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	XtraTuff	Nitrile/PVC
	M2T®-MTF	2-braid, wire	Extremely High Abrasion Resistant, High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	UHMWPE
Exceeds ISO 1436 2SC R16 SAE 100R16, EN 857 2SC	CM2TDL	2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile	C2
ISO 1436 2SN R2 SAE 100R2 Type AT EN 853 Type 2SN	G2	2-braid, wire	High Pressure, Petroleum Oils & Environmental Fluids	Nitrile	C	NBR/PVC	C2
	G2L	2-braid, wire	High Pressure, Low Temperature, Petroleum Oils & Environmental Fluids	Nitrile	C	Neoprene	A
	G2H	2-braid, wire	High Pressure, Temperature, Petroleum Oils & Environmental Fluids	Nitrile	C	Hypalon+	M
	G2XH	2-braid, wire	Extremely High Heat, High Pressure, Petroleum Oils & Environmental Fluids	CPE	J	Hypalon+	(BLUE)
IJ100	J2AT	2-braid, wire	Industrial Jack Hose Applications	Nitrile	C	Nitrile	C2
IJ100	J2AT-MTF	2-braid, wire	Industrial Jack Hose Applications	Nitrile	C	MegaTuff	-
ISO 1436 1SN R1 SAE 100R1 Type AT EN 853 Type 1SN	G1	1-braid, wire	Medium Pressure, Petroleum Oils & Environmental Fluids	Nitrile	C	Nitrile	C2
SAE 100R1 Type AT EN 853 Type 1SN	G1H	1-braid, wire	High Temperature, Medium Pressure, Petroleum Oils & Environmental Fluids	Nitrile	C	Hypalon+	M
Gates Proprietary Design	RFS	1-braid, wire	Low Pressure, Powder Fire Suppressant Applications	Nitrile	C	Nitrile (RED)	C2

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





Gates Hydraulic Hose Selection Guide (cont.)

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Standard Industry Specification	Gates Description	Construction (Reinforcement)	Use	Stock			
				Tube		Cover	
				Name	Type	Name	Type
SAE J1405 SAE J1402/DOT*** SAE100R2****	MegaTech™ G5TB	1 & 2-braid, wire, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils	CPE	J	Textile	-
	MegaTech™ II	2-braid, wire, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils	CPE	J	Textile (Blue)	-
	MegaTech™ 1000	1-braid, wire, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils, Air Brake	CPE	J	Textile	-
	MegaTech™ 500	1-braid, wire, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils	CPE	J	Textile	-
	MegaTech™ 250	1-braid, wire, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils, Transmission Oil Cooler	CPE	J	Textile	-
	MegaTech™ LOC	1-braid, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils, Transmission Oil Cooler	CPE	J	Textile	-
SAE 100R3 EN 854 TYPE R3	G3H	2-braid, textile	Petrol. Oils, Antifreeze, Water, High Temperature	Nitrile	C	Neoprene	A
SAE 100R6 EN 854 TYPE R6	GTH	1-braid, textile	Petrol. Oils, Antifreeze, Water, High Temperature	Nitrile	C	Neoprene	A
SAE 100R6 EN 854 TYPE R6	GTHX	1-spiral, textile	Petrol. Oils, Antifreeze, Water, High Temperature	Nitrile	C	Neoprene	A
SAE 100R4	G4H	2-spiral, textile, helical wire	Return & Suction High Temperature	Nitrile	C	Neoprene	A
SAE 100R4	GMV	2-spiral, textile, helical wire	Return & Suction High Temperature	Nitrile	C	Neoprene	A
SAE 30R2 Type 1 & 2, B20 Biodiesel	RLA	1-braid, textile	Return & Suction Low Pressure, Biodiesel up to 125°F	Nitrile	C	Nitrile	C2
Gates Proprietary Design	RLC	3-braid, textile	Return & Low Pressure	Nitrile	C	Nitrile	C2
SAE 30R2, SAE 30R6, SAE 30R7 and B20 Biodiesel	LOC	1-braid, textile	Petrol, Oils, Antifreeze, Water, Air & Biodiesel up to 125°F	Nitrile	C	Textile	-
Gates Proprietary Design	LOL	1-braid, textile	Petrol, Oils, Antifreeze, Water & Air	Nitrile	C	***	A/C2
SAE J1402, DOT FMVSS106-74	TR500	2-braid, wire, textile	Petrol & Syn. Fluids, Air Brakes	Nitrile	C	Textile	—
SAE 100R5, DOT FMVSS106-74, Type AII	*C5C	3-braid, T-W-T	Petr. Oil, Air Brake, Power Steering	*Nitrile	C	Textile	—
SAE J1402, DOT FMVSS106-74, Type AII	C5D	3-braid, T-W-T	Petrol & Syn. Fluids, Air Brakes	CPE	J	Textile	—
SAE J1527, SAE J1942, ISO 7840	C5M	1-braid, wire	Marine Fuel & Oil	Nitrile	C	NBR/PVC	C2
DOTFMVSS106-74, Type AI	C5E	3-braid, T-W-T	Air Brake, Power Steering, Lube	Nitrile	C	Textile	—
<b>PTFE</b>							
SAE 100R14	C14	1-braid, stainless steel	High Temperature, Multi Fluid, Nonconductive	PTFE	—	Stainless Steel	—
SAE 100R14	C14CT	1-braid, stainless steel	High Temperature, Multi Fluid, Conductive	PTFE	—	Stainless Steel	—
<b>Thermoplastic</b>							
SAE 100R7	TH7	1-braid, polyester	Petroleum & Synthetic Fluids	Nylon	Z	Urethane	U
SAE 100R7	TH7NC/TH7NCDL	1-braid, polyester	Non-conductive	Nylon	Z	Urethane	U
SAE 100R7	TH7DL	1-braid, polyester	Petroleum & Synthetic Fluids, Dual Line	Nylon	Z	Urethane	U
SAE 100R7	TH7NCDL	1-braid, polyester	Non-conductive, Dual Line	Nylon	Z	Urethane	U
SAE 100R8	TH8	2-braid, Polyester	Petroleum & Synthetic Fluids	Nylon	Z	Urethane	U
SAE 100R8	TH8NC	2-braid, Polyester	Non-conductive	Nylon	Z	Urethane	U
SAE 100R18	TH18	1-braid, Synthetic Fiber	Petroleum & Synthetic Fluids	Nylon	Z	Polyester	U
SAE 100R18	TH18NC	2-braid, Synthetic Fiber	Non-conductive	Nylon	Z	Polyester	U
<b>Refrigerant</b>							
SAE J51 Type All Dimensions/ Type D Performance, J2064, Type C, Class II Performance	PolarSeal® AC134a	Nylon barrier, 2-spiral, Polyester	Air Conditioning (R12 and R134a)	Chloroprene	A	EPDM	P
SAE J2064 Type C, Class I	PolarSeal® ACC-PSII		Reduced Barrier Construction, Air Conditioning (R12, R13A and R22)	Elastomeric/ Nylon	-	Elastomeric	-

\* -4 and -5 sizes have a Neoprene tube, \*\* Nitrile or Neoprene, \*\*\*MegaTech1000 sizes -4, 6, -8, -10, \*\*\*\*MegaTech II, +- -16 & -20 EFG4K, † Registered trademark of DuPont







# Additional Temperature Limits for Gates Hydraulic Hoses

**Caution:** Water, water/oil emulsions and water/glycol solutions must be kept below the temperatures listed in the table below, relative to line pressures.

### Maximum Temperature Limits for Water, Water/Oil Emulsions and Water/Glycol Solutions

Hose	Pressure Lines	Return Lines
G8K, EFG6K, EFG5K, EFG4K, EFG3K, G2, G2L, M2T®, M6K, M5K, M4K, M3K, RFS, RLA, C5C, C5E, LOC, LOL	+200°F (+93°C)	+180°F (+82°C)
G2H, G1H, MegaTech® Line, G2XH, C5D, G3H, GTH, G4H, GMV, RLC, TR500, M3KH, M4KH	+225°F (+107°C)	+180°F (+82°C)

**Caution:** The fluid manufacturer’s recommended maximum operating temperature for any given fluid must not be exceeded. If different than the above listed hose temperatures, the lower limit must take precedence. Actual service life at temperatures approaching the recommended limit will depend on the particular application and the fluid being used in the hose. Intermittent (up to 10 percent of operating time) refers to momentary temperature surges. Detrimental effects increase with increased exposure to elevated temperatures.

**Do NOT expose hose to maximum temperature and maximum rated working pressure at the same time.**

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# SAE Recommended Practices for Hydraulic Hose Assemblies

## A summary of SAE J1273 FEB2009

### Scope

This summary provides guidelines for safety, selection, routing, fabrication, installation, replacement, maintenance, and storage of hose and hose assemblies. These are the recommended practices for hydraulic hoses, but are also appropriate for many other hoses and systems.

### Safety

Safety should be a paramount concern whenever working with a hydraulic system. The fluids conveyed are often at high temperatures and extremely high pressures which present unique dangers.

Hydraulic fluid injuries are generally very severe and may come in several forms. Fluid injections wounds may occur any time there is a leak in a hydraulic system. Never check for leaks or damage to a hydraulic system by feel, the best case scenario with a fluid injection wound is months of painful treatment to recover, addition risks include amputation and death. Due to the high temperatures any time a user is exposed to hydraulic fluids severe burns may result, this exposure may be a result of an assembly failure or even oil released during maintenance. Additionally there is a danger of fire or explosion if a hose fails around a hot engine or exhaust manifold, or if a static discharge takes place in a fluid spray.

Unconstrained hoses may whip on pressurization or in the event of failure and are extremely dangerous. Additionally during the release of pressure on the hydraulic system improperly secured booms or other cylinder supported components may drop suddenly.

A sometimes less recognized risk is that of electrical shock. Any equipment used to work around live electrical lines (such as lifts, etc) should be equipped with hydraulic hoses rated as non-conductive. This is because most hydraulic hoses have wire reinforcement and are inherently conductive. Also even with non-conductive hoses are used it is important to recognize that hydraulic fluids may also act as conductors.

### Hose Selection

The Gates STAMED process is the industry accepted standard for hose selection, this process involves determining the following properties:

#### Size

- Internal diameter requirements will affect fluid velocity and outside diameter may also sometime be concern for routing purposes. When in doubt match existing specifications.

### Temperature

- The maximum recommended hose temperature should never be exceeded, either in the fluid conveyed or on the exterior of the hose. Similarly special hoses are available which will maintain flexibility at very low temperatures, always follow manufacturer guidelines.

### Application

- Environmental conditions such as ultraviolet light, salt water, air pollutants, temperature, ozone, chemicals, electricity, abrasion and paint application will all negatively impact hose assembly life
- Static Discharge can become an issue when non-polar liquids or mixtures including non-polar liquids are conveyed in non-conductive hose. A static charge will build and on discharge perforate the hose tube, to avoid this use conductive tube products when conveying non-polar, or mixtures of non-polar, liquids.
- Electrical Conductivity of hydraulic hoses or conveyed fluids is an issue with equipment used to work around electrical lines. If hydraulic equipment is to be used around electrical lines, always use hydraulic hoses rated as non-conductive.
- The cleanliness requirements of a final hose assembly will be determined by the system it is to be applied too. Always follow the equipment manufacturer's recommended cleanliness standard.
- Be sure to select products which will meet any regulatory standards required in the application. Examples of these standards would include: SAE, USCG, EN/DIN, ABS, etc
- Never place hoses in a position where they are pulled on. Hoses are designed to hold pressure and convey fluids, exposing them to axial loads will cause premature failure.
- Any special or unusual applications should always be approved by the hose manufacturer, otherwise additional independent testing may be required.

### Materials

- Permeation, or effusion, is the movement of a substance through the hose tube walls which may degrade the hose tube, cause cover blistering, or other undesired effects, and must be considered especially when conveying compressed gasses.
- Be sure to select a hose which is compatible and approved by the manufacturer for the fluid conveyed. Concentration, pressure, temperature and other factors may impact the compatibility of the hose and fluid.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

### Pressure

- The maximum working pressure of a hose assembly is the lowest working pressure of any component of the assembly.
- Hose should be sized with a working pressure equal to or above the maximum pressure encountered in a system. High frequency electronic transducers will be necessary to determine the maximum surge, or impulse, pressure in a system.
- If a hose assembly will be exposed to suction, be sure it is rated to hold the maximum suction and pressure in that portion of the system.
- Any time a hose assembly is to be exposed to external pressures, which may exceed the internal hose pressures, be sure to consult the hose manufacturer for recommendations.

### Ends

- Always use manufacture approved couplings for hose assemblies. Be sure to select the appropriate end termination for a system working pressure and other requirements such as vibration resistance.

### Delivery

- Always follow manufacture recommendations for maximum fluid velocity within a hose. Excessive fluid velocity may cause excessive pressure loss, heat generation, hose movement or whipping, system noise, and hammer effects.

### Hose Routing

Proper attention to good hose routing and application practices will ensure reliable function of hose assemblies. The following is a short list of factors to consider when routing hose.

- Vibration: Consider vibration requirements when selecting hose and predicting service life. Clamps, dampers, and other mechanisms may be necessary to reduce vibration.
- Cover protection: Protect the hose cover from abrasion, erosion, snagging, and cutting. Special abrasion-resistant hoses and hose guards are available for additional protection. Route the hose to reduce abrasion from hose rubbing other hose or objects that may abrade it.
- External Physical Abuse: Route hose to avoid tensile (pulling) loads, side loads, flattening, thread damage, kinking, damage to sealing surfaces, abrasion and twisting.
- Swivel Adapters: Swivel-type fittings or adapters do not transfer torque to hose while being tightened. Use these as needed to prevent twisting during installation.
- Live Swivels: If two components in the system are rotating in relation to each other, live swivels may be necessary. These connectors reduce the torque transmitted to the hose.
- Slings and Clamps: Use slings and clamps to support heavy or long hose and to keep it away from moving parts.

Use clamps that prevent hose movement that will cause abrasion. Care shall be taken to prevent the sling clamp from abraiding the hose. Avoid over tightening of slings or clamps.

- MBR: Routing during assembly and use at less than minimum bend radius may reduce hose life. Sharp bending at the hose/fitting juncture may result in leaking, hose rupturing, or the hose assembly blowing apart. A minimum straight length of 1.5 times the hose's outside diameter shall be allowed between the hose fitting and the point at which the bend starts.
- Elbows and Adapters: Use elbows or adapters to relieve hose strain due to routing.
- Lengths: Unnecessarily long hose can increase pressure drop and affect system performance. When pressurized, hose that is too short may pull loose from its fittings, or stress the hose fitting connections, causing premature metallic or seal failures.
- Motion Absorbtion: Provide adequate hose length to distribute movement and prevent bends smaller than the minimum bend radius.
- Hose Movement and Bending (multi plane bending): Hose allows relative motion between system components. Analyze this motion when designing hose systems. The number of cycles per day may significantly affect hose life. Also avoid multiple planes of motion and twisting motion.
- Hose and machine tolerances: Design hose to allow for changes in length due to machine motion and tolerances.
- Hose length change due to pressure: Design hose to accommodate length changes from changing pressures. Do not cross or clamp together high- and low-pressure hoses. The difference in length changes could wear the hose covers.

### Hose Assembly Fabrication

- Component inspection: Before creating an assembly be sure to inspect all components to be sure they are the correct product, cut correctly, and do not have any visually identifiable defects.
- Couplings (compatibility): Hose fitting components from one manufacturer are not usually compatible with fitting components supplied by another manufacturer. Never mix and match hose and couplings from different manufactures, unless approved by both parties.
- Hose assembly equipment (crimpers): Hoses and fittings from one manufacturer should not generally be assembled with the equipment of another manufacturer.
- Safety Equipment: During fabrication, use proper safety equipment, including eye protection, respiratory protection, and adequate ventilation.



- Reuse of Hose and Fittings: Damaged hose and fittings shall not be used.
  - Never reuse: Field-attachable fittings that have blown or pulled off hose
  - Never reuse: Any part of hose fittings that were permanently crimped or swaged to hose
  - Never reuse: Hose that has been in service
- Cleanliness: Hose assemblies may be contaminated during fabrication. Clean hoses to specified cleanliness levels.
- Temperature: The fabrication of hose assemblies should be performed at an ambient temperature over 0 °C.
- Assembly inspection: After assembly, hose assemblies shall be inspected for visible defects and interior obstructions.
- Marking: Hose assemblies shall be marked in accordance with any relevant standards.

### Hose Assembly Installation and Replacement

- Before installation inspect the hose assembly for:
  - Hose length and routing for compliance with original design
  - Correct style, size, length, and visible nonconformities
  - Coupling sealing surfaces for burrs, nicks, or other damage
- Handling during installation: Handle hose with care during installation. Kinking hose, or bending at less than minimum bend radius may reduce hose life. Avoid sharp bending at the hose/fitting juncture. Before and during installation, hose assemblies should be at a temperature above 0 °C.
- Twist angle and orientation: To avoid twisting, which shortens hose life, the hose layline can be used as a reference. Twisting can also be avoided through the use of two wrenches during the installation of swivel connectors.

Securement and protection: Install necessary restraints and protective devices. Determine that such devices do not create additional stress or wear points.

Assembly Torque: Always follow the manufacturer recommended coupling installation practices, and torque or flats valves. Improper installation may result in a leaking connection.

System Checkouts: In hydraulic or other liquid systems, eliminate all air entrapment after completing the installation. Follow manufacturers' instructions to test the system for possible malfunctions and leaks.

### Maintenance Inspection

As part of regular equipment maintenance, hose assemblies should always be checked for deterioration

Frequency: Evaluate factors such as the nature and severity

of the application, past history, and manufacturers' information to establish the frequency of inspections.

Visual Inspection: Only visually inspect for leaks. NEVER attempt to feel a leak, which could cause a fluid injection wound. Look for leaks, weeping, hose cracking, deformation, hardening or softening, rust, noise, smells, and any other defect which indicates a hose assembly may require replacement.

### Hose Storage

Age control: Store hose in a manner that facilitates age control and first-in, first-out usage based on manufacturing date on hose or hose assembly. Any hose or assembly in storage for more than two years should be visually inspected and proof pressure tested.

Storage Conditions will greatly affect hose shelf life, always store hoses in the manufacturers' original packaging. Avoid high temperatures, ozone, solvents and their vapors, corrosive (acid or basic) liquids and fumes, rodents, extremes in humidity, ultraviolet light, insects, radiation, strong, electro-magnetic fields, molds, and fungi.

Basic Testing for Usability:

Flex the hose to the minimum bend radius and compare it with new hose. After flexing, examine the cover and tube for cracks. If any appear, no matter how small, reject the hose.

If the hose is wire reinforced, and the hose is unusually stiff, or a cracking sound is heard during flexing, check for corrosion by cutting away a section of the cover from a sample. Corrosion would be another reason for rejection.

If doubt still persists, contact hose assembler to conduct proof-pressure tests or any other tests needed to verify hose quality.

### References

All of the material presented here may be explored in more detail by obtaining the original standards from the appropriate regulatory agency.

#### Society of Automotive Engineers (SAE)

- SAE J343 Test and Test Procedures for SAE 100R Series Hydraulic Hose and Hose Assemblies
- SAE J514 Hydraulic Tube Fittings
- SAE J517 Hydraulic Hose

#### International Standards Organization (ISO)

- ISO 3457 Earth moving machinery—Guards and shields—Definitions and specifications
- ISO 2230 Rubber products—Guidelines for storage
- ISO 8331 Rubber and plastics hoses and hose assemblies—Guide to selection, storage, use and maintenance

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS







EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# DOT FMVSS 106-74

## MOTOR VEHICLE SAFETY STANDARD FOR BRAKE HOSES

Gates has received an increasing number of inquiries about the Department of Transportation (DOT) regulation FMVSS-106 regarding air brake hose. The requirements of the standard were issued by the National Highway Traffic Safety Administration and are published in the Federal Register, 49 Code of Federal Regulations, Part 571 MVSS 106 Brake Hoses.

**NOTE: Anyone making brake assemblies must be registered with the Department of Transportation.**

### What is FMVSS-106?

The standard is written with specifics on labeling, performance tests, tests procedures, and registration. It is not a standard for design specifications for motor vehicle brake hose, brake hose assemblies, or brake hose end fittings.

The Standard No. 106 will ensure that each user of brake hose will be supplied only the highest quality of hose.

DOT will conduct random performance testing in accordance with the test procedures to ensure that the hoses, couplings, and assemblies meet FMVSS 106.

“The purpose of the standard is to reduce deaths and injuries occurring as a result of brake system failure from pressure or vacuum loss due to hose or hose assembly rupture.” The regulations will apply to all over-the-road vehicles including trailers and motorcycles. Off-the-road vehicles will not be regulated if they are designed to operate on those other than public roads.

### Basic Provisions of FMVSS-106.

1. Three types of brake hose are covered (hydraulic, air, and vacuum brake) together with couplings and hose assemblies. At this point, we will only focus on air brake hose and assemblies.
2. Performance level for brake hose is established instead of design specifications.
3. Permanent as well as reusable fittings are permissible with air brake hose. Inside and outside diameters standards for air brake hose intended for use with field attachable couplings have been established. These hoses are identified as Type I and Type II.

### Gates Customer/Assembler with Regard to FMVSS-106.

1. Test (dimensional and pressure) each assembly or per customer’s requirements before it is packaged and delivered to the customer.

2. Two of every 100 air brake hose assemblies produced or per customer’s requirements are subjected to hydrostatic pressure testing and tensile strength (destructive) testing.

### Labeling of Air Brake Hose.

Any customer crimping air brake assemblies must be registered with the National Traffic Safety Administration (NHTSA).

### The National Highway Traffic Safety Administration (NHTSA) requires:

1. Product DOT CERTIFICATION. (Gates Corporation responsibility. The Gates logo is our DOT registration.)
2. Registration of the assembler. (Customer/Distributor responsibility.)\*
3. Permanent assembly identification. (Customer/Distributor responsibility.) Refer to Gates frosted air brake hose labels below.

\* To begin the registration process, please complete the BRAKE HOSE REGISTRATION application form on the following page. You can mail or fax the completed form to the address and number listed on the form.

## Frosted Air Brake Hose Labels

**Product Number:** 7484-0023

To assist you in complying with the NHTSA requirement for identifying brake hose assemblies, Gates now offers mylar hose labels.

- Self-adhesive
- 1” wide by 3-3/4” long, with a 1-1/2” by 1” white area on one end for printed information
- Format suitable for typewriters, computer printers or hand writing
- Accepts 9-10 typed characters per row, 4 or 5 on a row
- Wrap-around label resists damage from elements

### Label application procedure:

1. Print appropriate information on label.
2. Wrap tag around hose assembly, printed end first.
3. Cover printed end with clear mylar tail of label.

Comes in 500 labels per pack.



# Brake Hose Registration Application

“PLEASE TYPE or PRINT CLEARLY” AND SUBMIT BRAKE HOSE APPLICATION TO: JEANETTE GREENFIELD AT THE FOLLOWING NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION (NHTSA) ADDRESS:

**Jeanette Greenfield**  
**Office of Vehicle Safety Compliance**  
**400 Seventh Street, S.W. NSA-32**  
**Washington, DC 20590**  
**Phone (202) 366-5317**  
**Fax (202) 366-1024**  
[www.nhtsa.dot.gov](http://www.nhtsa.dot.gov)

DATE: \_\_\_\_\_

BRAKE HOSE MANUFACTURER’S ADDRESS

Plant Name: \_\_\_\_\_

Post Office Box No.: \_\_\_\_\_

Street: \_\_\_\_\_

City: \_\_\_\_\_

\* DESIGNATION SYMBOL(s): \_\_\_\_\_

State (Province): \_\_\_\_\_

Country: \_\_\_\_\_

Zip Code: \_\_\_\_\_

Plant Contact Person: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

\*\* (COMPLETE ONLY IF THIS IS A FOREIGN MANUFACTURER) BRAKE HOSE MANUFACTURER’S US AGENT

Agent Name: \_\_\_\_\_

Post Office Box No.: \_\_\_\_\_

Street: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: \_\_\_\_\_

Zip Code: \_\_\_\_\_

Agent Contact Person: \_\_\_\_\_

Agent Fax Number: \_\_\_\_\_

Agent Phone Number: \_\_\_\_\_

\* DESIGNATION SYMBOL(s): May consist of block capital letters, numerals or a symbol.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

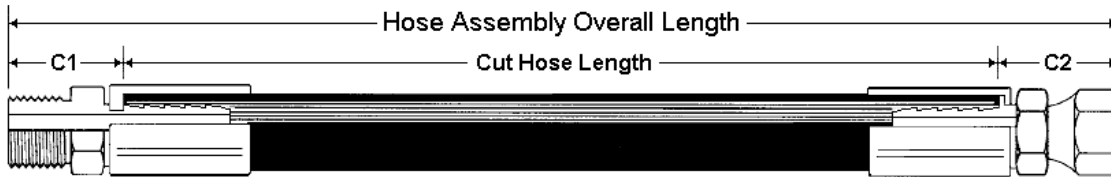


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# How to Make Hose Assemblies of Specific Lengths

## Overall Assembly Length – C1 – C2 = Hose Cut Length

The "C" length for each coupling is listed in the catalog, as shown below.



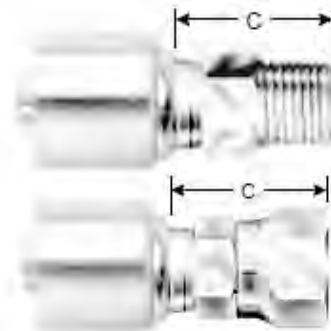
For the Gates Assembly 6M3K-8FJX-8MP-12.5

$$12.5'' - 1.38'' - 1.42'' = 9.7'' \text{ (Cut Hose Length)}$$

Descr.	Prod. No.	C	
		in	mm
6G-8MP	7100-10095	1.42	36.1

Descr.	Prod. No.	C	
		in	mm
6GE-8FJX	7100-10955	1.38	35.1



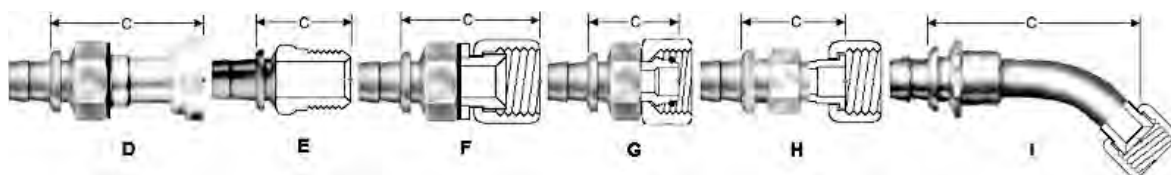
To meet SAE quality requirements: the final assembly must meet the dimensional requirements shown in the table on the right; the hose cut must be within 5° of perpendicular, on Ø 1" hose this is less than 3/32"; and coupling orientation must be within 2° of specification, orientation which is off as little as one percent can half the life of a hose assembly.

Assembly OAL (in)	Tolerance (in)
≤ 12	±0.125
12 < L ≤ 18	±0.1875
18 < L ≤ 36	±0.25
> 36	+ 1%*
*to the nearest 0.125 inches	

Assembly length tolerance (SAE J517)

Best practice to achieve these requirements is to begin by dry fitting all components of the assembly, then measure from one end of a coupling to the opposite end of the cut hose, crimp the coupling and measure the change in length. This will give a good estimate of change in hose length due to the crimping process, and allow for compensation. The use of witness marks to verify orientation and coupling insertion depth is also encouraged.

When measuring a hose assembly, the point at which the ends of the assembly are measured will depend on the style and construction of the couplings. A summary of measurement points is shown below. More detailed information is available in the tech note "Overall Length of Hose Assemblies."



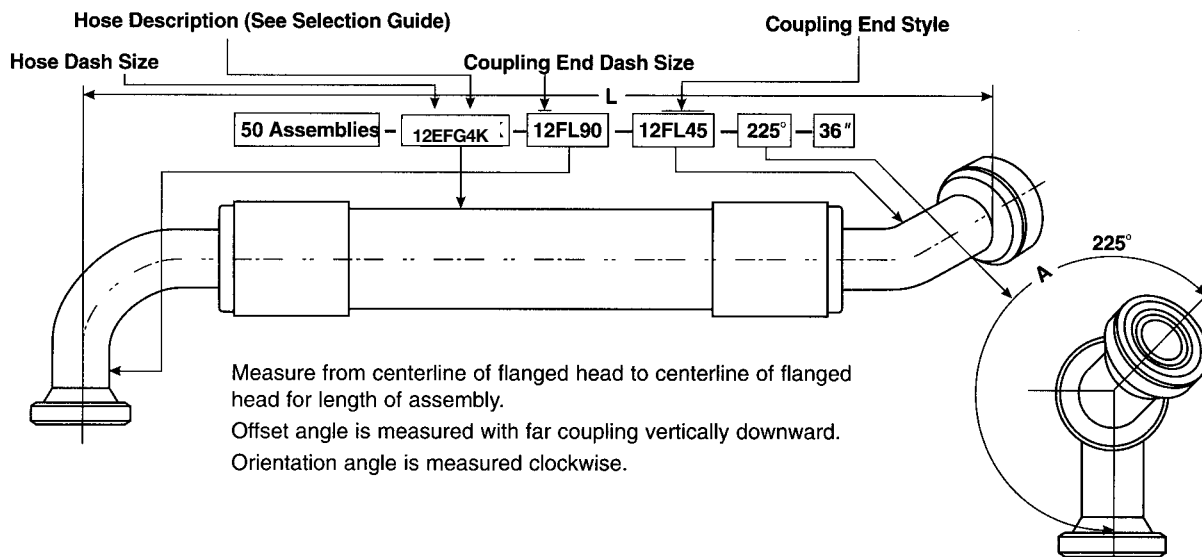
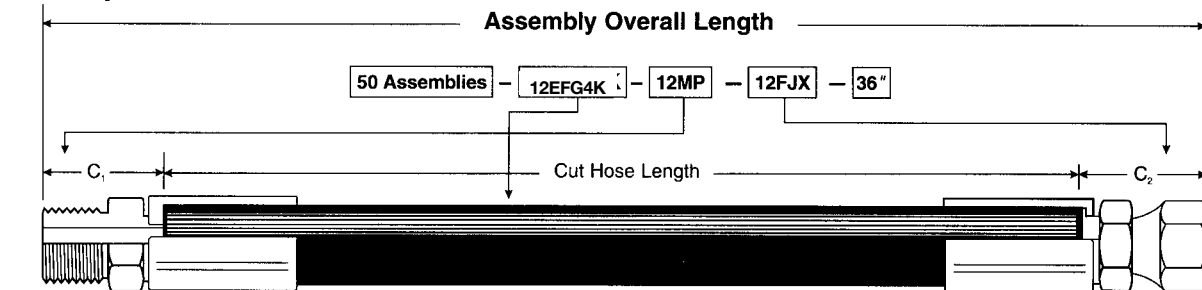
Coupling termination measurement points, from left to right: D) flange, E) straight male, F) US spec (SAE, JIC, NPSM), G) International spec (DIN, BSP, GAZ), H) FFOR and I) bent (elbow) couplings

# How to Describe Gates Hydraulic Hose Assemblies

When you order hydraulic assemblies, be sure the following information is included as shown in the illustrations below:

1. Quantity of assemblies required.
2. Hose catalog description (dash size and type).
3. First coupling dash size and end style.
4. Second coupling dash size and end style.
5. Offset angle or orientation of couplings must be specified if both couplings contain bent tube ends.
6. Assembly overall length.

## Example:



## Caution:

**Rated working pressure** of the application should always determine selection of hose. Used up to the recommended **rated working pressure**, the hose will provide normal service life before replacement is required.

When new, the hose described in this catalog will meet or exceed the **minimum burst pressure** listed in the hose specification tables. However—as with any hose in the industry—after the hose has been impulsed for a length of time, **minimum burst pressure** will decrease from the figure shown in the specification tables.

Temperature ranges specified for specific hoses refer to recommended temperature limits of fluids being conveyed or ambient temperatures. Exceeding these limits will cause degradation of material compounds and reduce hose service life.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





## How to Describe Gates Hydraulic Hose Assemblies - con't.



### Coupling A Information

Male     Female

Angle \_\_\_\_° Drop: S M L XL  
or Drop Length \_\_\_\_ (mm)

**Thread**

JIC (37° Flare) \_\_\_\_\_

NPTF \_\_\_\_\_

O-Ring Boss \_\_\_\_\_

Flat-Face O-Ring (ORFS) \_\_\_\_\_

Code 61 \_\_\_\_\_

Code 62 \_\_\_\_\_

BSPP \_\_\_\_\_

DIN (Light/Heavy) \_\_\_\_\_

Other \_\_\_\_\_

### Hose Type

Gates \_\_\_\_\_ I.D. \_\_\_\_\_  
or  
SAE 100R \_\_\_\_\_

**Dash Size:**

2 3 4 5 6  
8 10 12 16 20  
24 32 40 48 56  
64

**Temperature** \_\_\_\_\_°

**Working Pressure (psi):**

100                      101-250  
250-499                500-1000  
1001-2999            3000-3999  
4000-5999            6000

**Application**

Return Line    Pressure Line  
Intake Line    High Pressure Line  
Special Fluid \_\_\_\_\_

### Coupling B Information

Male     Female

Angle \_\_\_\_° Drop: S M L XL  
or Drop Length \_\_\_\_ (mm)

**Thread**

JIC (37° Flare) \_\_\_\_\_

NPTF \_\_\_\_\_

O-Ring Boss \_\_\_\_\_

Flat-Face O-Ring (ORFS) \_\_\_\_\_

Code 61 \_\_\_\_\_

Code 62 \_\_\_\_\_

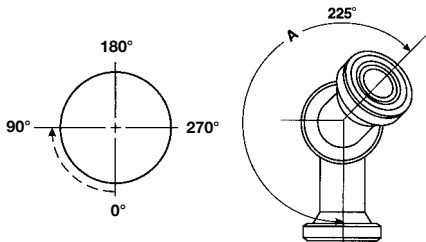
BSPP \_\_\_\_\_

DIN (Light/Heavy) \_\_\_\_\_

Other \_\_\_\_\_

**Overall Length** \_\_\_\_\_ In. mm

**Coupling Orientation:** \_\_\_\_\_°








Measure from centerline of flanged head to centerline of flanged head for length of assembly.

Offset angle is measured with far coupling vertically downward.

Orientation angle is measured clockwise.

### Hose Guards

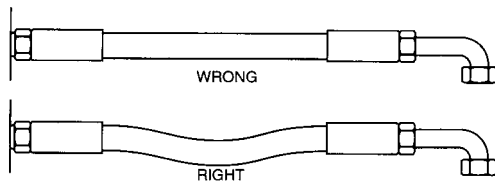
	Full Length	Partial Length	From End of Coupling
<b>LifeGuard™ Sleeve</b> 	<input type="checkbox"/>	_____	_____
<b>Wire Spring</b> 	<input type="checkbox"/>	_____	_____
<b>Flat Armor Spring</b> 	<input type="checkbox"/>	_____	_____
<b>Nylon Sleeve</b> 	<input type="checkbox"/>	_____	_____
<b>Plastic Coil Sleeve</b> 	<input type="checkbox"/>	_____	_____



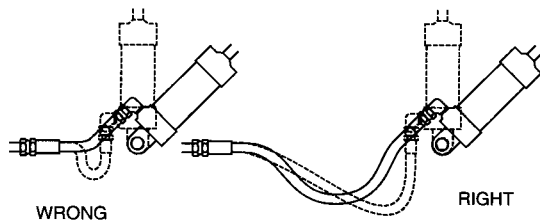
## Hose Assembly Routing Tips

Proper hose installation is essential for satisfactory performance. If hose length is excessive, the appearance of the installation will be unsatisfactory and unnecessary cost of equipment will be involved. If hose assemblies are too short to permit adequate flexing and changes in length due to expansion or contraction, hose service life will be reduced.

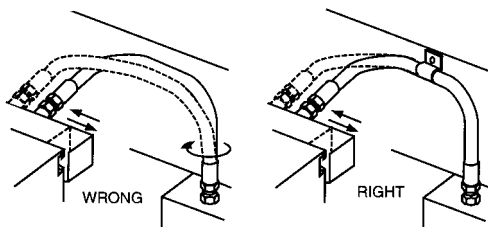
The following diagrams show proper hose installations which provide maximum performance and cost savings. Consider these examples in determining length of a specific assembly.



When hose installation is straight, allow enough slack in hose line to provide for length changes which will occur when pressure is applied.



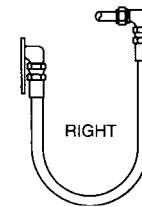
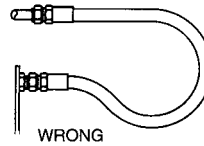
Adequate hose length is necessary to distribute movement on flexing applications and to avoid abrasion.



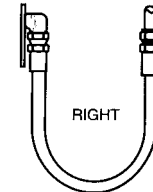
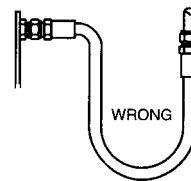
Avoid twisting of hose lines bent in two planes by clamping hose at change of plane.



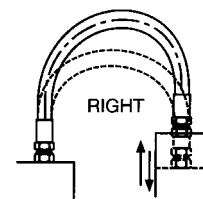
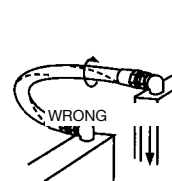
Reduce number of pipe thread joints by using hydraulic adapters instead of pipe fittings.



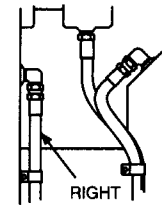
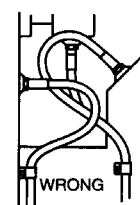
When radius is below the required minimum, use an angle adapter to avoid sharp bends.



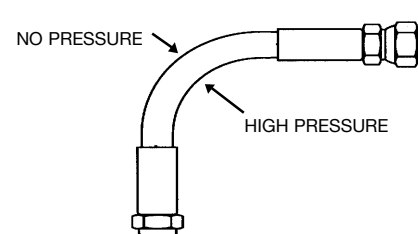
Use proper angle adapters to avoid tight bend in hose.



Prevent twisting and distortion by bending hose in same plane as the motion of the port to which hose is connected.



Route hose directly by using 45° and/or 90° adapter and fittings. Avoid excessive hose length to improve appearance.



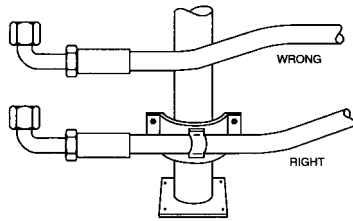
Note: To allow for length changes when hose is pressurized, do not clamp at bends so that curves will absorb changes. Do not clamp high and low pressure lines together.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

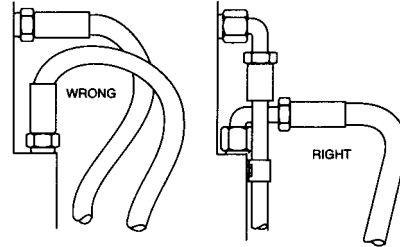


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

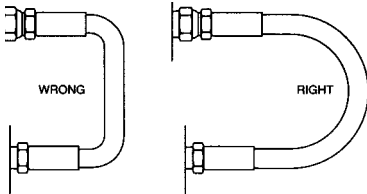
## Hose Assembly Routing Tips – con't.



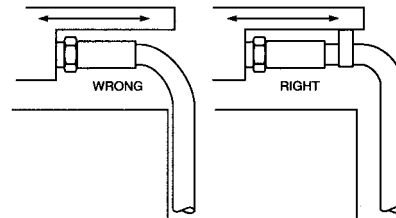
High ambient temperatures shorten hose life, so make sure hose is kept away from hot parts. If this is not possible, insulate hose.



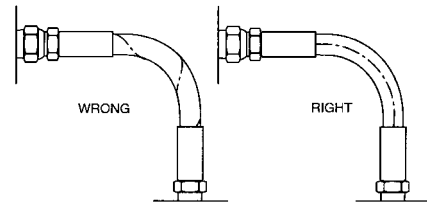
Elbows and adapters should be used to relieve strain on the assembly, and to provide neater installations which will be more accessible for inspection and maintenance.



To avoid hose collapse and flow restriction, keep hose bend radius as large as possible. Refer to hose specification tables for minimum bend radius.



Run hose in the installation so that it avoids rubbing and abrasion. Often, clamps are required to support long hose runs or to keep hose away from moving parts. Use clamps of the correct size. A clamp too large allows hose to move inside the clamp and causes abrasion.



When installing hose, make sure it is not twisted. Pressure applied to a twisted hose can result in hose failure or loosening of connections.

## Hydraulic Flareless Assembly Procedure (per SAE J514 6.1.3 & 6.1.4)

1. Bottom the tube in the coupling, and tighten the nut until the ferrule just grips the tube. With a little experience, the technician can determine this point by feel. If the couplings are bench assembled, the gripping action can be determined by rotating the tube by hand as the nut is drawn down. When the tube can no longer be turned by hand, the ferrule has started to grip the tube.
2. After the ferrule grips the tube, tighten the nut one full turn. This may vary slightly with different tubing materials, but for general practice, it is a good rule for the technician to follow.

## Gates Field Attachable Coupling Installation

1. Cut the hose end square with fine-tooth hacksaw or cut-off saw, the cut must be within 5° of perpendicular.
2. At a minimum be sure to blow out the hose to remove any rubber or metal dust, if higher levels of cleanliness are required utilize the MegaClean system or see the "Hose Assembly Cleanliness" tech note.

3. Be sure to thoroughly oil the stem and the inside of the hose. This is critical to ensure that



the ferrule and stem are easily placed onto the hose, without removing tube or cover material.

4. Secure the ferrule in a vise or adjustable wrench, then using a clockwise motion, thread the hose into the socket until it bottoms out on the inside shoulder of the socket. Once fully inserted, using a counter-clockwise motion, turn the hose back one half turn.



5. With the hose and ferrule secured, thread the stem into the hose and socket in a clockwise motion until the stem hex contacts the ferrule. For production environments, a Gates field attachable coupling machine will speed up this installation.



6. Final clean the assembly to ensure that the desired cleanliness levels are achieved. Follow the same procedure as in step 2.

# Installation of LifeGuard™ Line-of-Sight Sleeving

## 1. Determine LifeGuard sleeve length using the following guidelines:

Sleeve length should exceed the length of free hose (distance between clamps that hold sleeve on) by the following amount:

$$\text{LifeGuard Sleeve Length} = \text{Free Hose Length (in)} \times 1.05$$

All the decimals are rounded **up** to a full inch

**For example:** 11 ¾" free hose length  $\times 1.05 = 12.34" \sim 13"$  LifeGuard sleeve length

**Note:** A minimum of ¾" of sleeve must extend beyond the clamps to properly clamp the sleeve. Sleeve cannot extend over the hex part of the fitting.

2. A hot knife is recommended to cut the sleeve as it will seal the ends as it cuts and keep the sleeving from unraveling. Gates also sells a guide table which keeps the sleeving in the correct, slightly open position to help simplify this process. Failure to use the guide table with the hot knife could result in both edges of the sleeve being melted together, which in turn makes hose insertion impossible.

If a hot knife is not available, cut sleeve with sharp scissors, and seal the edges of the sleeve to prevent unraveling and to strengthen it. Use flame torch to seal the inside white lining to the black outer sheath. Make sure sleeve end is spread apart before sealing ends with flame.

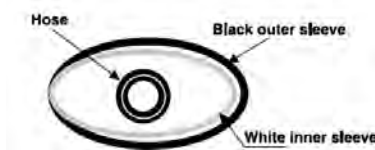


3. Before inserting the stems and crimping, verify whether the LifeGuard sleeve and collars can be installed after the couplings are crimped or must be installed prior to crimping the couplings.

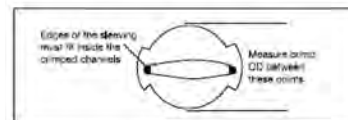
a. If the collars will fit over at least one of the couplings and also clear the backup hex nut, then the sleeve and collars can be assembled after the hose assembly is completely crimped.

b. If the collars will not freely clear the termination and backup hex of at least one of the stems, then the sleeve and collars must be slid over the hose before crimping. In certain cases it may be desirable to do this anyway, even if the collars will fit. (An example would be when an assembly that uses long drop 90° couplings at both ends.)

4. The LifeGuard line-of-sight sleeve consists of two sleeves woven one inside the other. When inserting the hose, it is critical that the hose is positioned inside the white inner sleeve. Be careful not to snag the inside lining of the sleeve while inserting hose. If hose does not glide in easily, use hose insertion tool.



6. The aluminum collars must be free of burrs, sharp edges, gash marks and surface cracks/indentations. Embossing of these collars is permissible. The crimp OD for the aluminum collars depends on the hose type and ferrule used. Look up the proper crimp OD in eCrimp (<http://www.gates.com/ecrimp>). The collars are listed numerically by product number. Match the collar product number to the hose type and ferrule product number being used. The collar crimp OD is listed in the table, directly to the right of the ferrule product number for each combination.



**Note:** Use PC707 LifeGuard die plate when making assemblies.

**Note:** The crimp OD tolerance for all aluminum collars used to hold LifeGuard line-of-sight nylon sleeving on hose assemblies is  $\pm .005"$ .

**WARNING:** Extra care must be taken when aligning the back-up hex of the coupling with the crimp dies during crimping of the LifeGuard assembly. Improperly positioned back-up hex can damage the die face.

8. Install proper die sets by first positioning the die plate in such manner as to let the notches rest against the back locator pins on the PC707 crimper. Then install the recommended die set taking extra care that the two die pins fit inside the two holes in the die plate.

9. Dial in crimp setting and crimp sleeve onto one end of the hose assembly.

10. To take the slack out of the sleeve, roll or twist the hose. This will take-up the excess in the sleeve, and help with crimping the other end of the assembly.

11. Pull back any remaining excess of the sleeve. Hold it in place and crimp the other end of the assembly.

12. LifeGuard crimp collars require specialized dies for their installation, since the final form of the collar is very different from a standard crimp. When crimping LifeGuard with the GC32-XD or FP120 crimper, use eCrimp to determine the appropriate die and setting based on the hose and coupling to which it is to be attached. Once the die has been selected, care must be taken to ensure the die fingers are installed correctly. When using the LifeGuard die set, the fingers are properly aligned when the colored stripe forms a straight line across the die.



CG32-XD



FP-120

13. Your LifeGuard assembly is now ready to go.



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Coupling Selection

## End Configuration Selection

It is important to keep in mind that the hose assembly (coupling and hose) is only one component of the system. In choosing the correct end terminations for the couplings attached to the hose, formal design standards and sound engineering judgement should be used.

In the absence of formal design standards, consider the following factors in choosing the proper end termination:

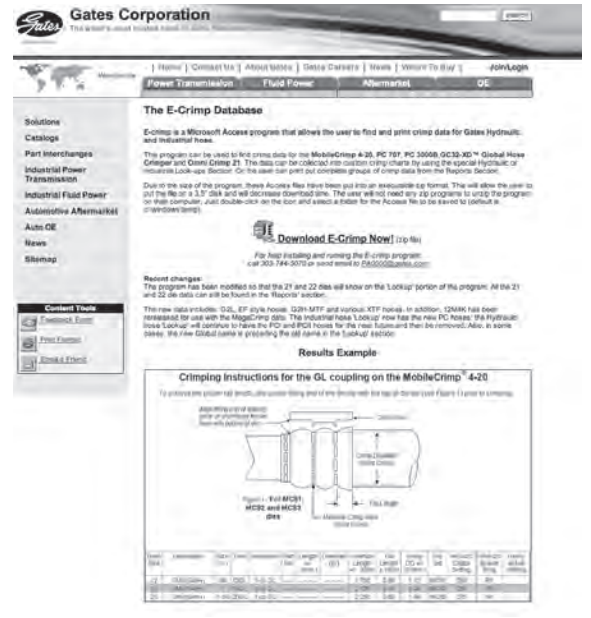
- Pressure
- Impulse frequency, amplitude and wave form
- Vibration
- Corrosion
- Dissimilar metals (galvanic corrosion)
- Maintenance procedures and frequency
- Installation reliability
- Connection's risk in the system
- Exposure to the elements
- Operator's and/or bystander's exposure to the connection
- Installation, operation and service activities and practices that affect safety

If there are any questions as to what end fittings should be used, Gates recommends that you consult your field sales representative or the Gates Hose and Connector Product Application Group for assistance.

## Stem and Ferrule Selection

Choosing the proper stem and ferrule depends on the specific hose and termination to be used in the assembly. Check the Gates Crimp Data Manual to ensure proper hose assembly components and crimp specifications.

Gates also offers eCrimp™, an online crimp database that can be accessed at [www.gates.com/ecrimp](http://www.gates.com/ecrimp).



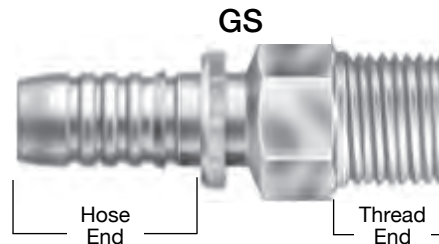
After determining the proper coupling components, refer to the Table of Contents in this catalog to find the proper coupling section. The ferrules are at the end of each coupling section.

## Stem Selection

Different hoses may require different coupling styles. To make your selection, determine the correct stem to be used.

There are two functional ends of the stem to consider:

1. the hose end for hose attachment;
2. the thread end for port attachment.



References to the coupling type(s) recommended for a specific hose are listed on the individual hose data pages; for example, EFG5K hose specifies GS couplings.

The thread end of a coupling (or adapter) can be identified by comparing the coupling being replaced or by measuring the port or thread end to which it is to be attached.

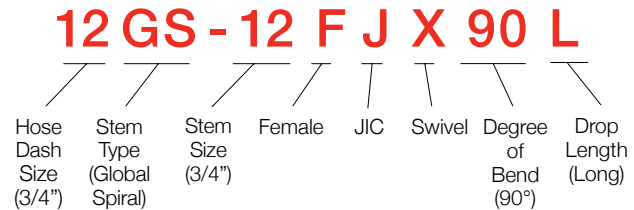
See thread end identification nomenclature.

# Coupling Selection – con't.

## Coupling and Adapter End Style Nomenclature

Gates couplings feature a meaningful description by combining end-style codes shown below that make thread end identification fast and easy. Always refer to Gates Crimp Data Manual when selecting hose and coupling combinations.

In the following example, the Gates description 12GS-12FJX90L identifies a GlobalSpiral™ Female JIC Swivel 90° Bend Long Drop coupling for -12 (3/4") hose size and -12 (3/4") stem size.



Code	Description
A	Adapterless
AB	Air Brake
API	API Unions
B	Brass
BBDS	British Bonded Seal
BJ	Banjo
BKHD	Bulkhead
BL	Block
BS	Bite Sleeve
BSPP	British Standard Pipe Parallel
BSPT	British Standard Pipe Tapered
C	Caterpillar Flang
CC	Clamping Collar
DH	DIN Heavy
DL	DIN Light
F	Female
FABX	Female Air Brake Swivel
FBFFOR	Female British Flat-Face O-Ring
FBO	Female Braze-on Stem
FF	Flat-Face
FFGX	Female French GAZ Swivel (Female Kobelco)
FFN	Female Flareless Nut
FOR	Flat-Face O-Ring
FFS	Female Flareless Sleeve
FG	Female Grease Thread
FKX	Female Komatsu Style Swivel
FL	Code 61 O-Ring Flange
FLC	Caterpillar Style O-Ring Flange
FLH	Code 62 O-Ring Flange Heavy
FLOS	Flange O-Ring Special
FT	Female SAE Tube
HLE	Hose Length Extender
HLEC	Hose Length Extender (Caterpillar)
HM	Hose Mender
HU	Hammer Union
I	Inverted Flare
J	JIC (37° Flare)
JIS	Japanese Industrial Standard
K	Komatsu Style (Japanese 30° Seat)

Code	Description
LH	Long Hex
LN	Lock Nut
M	Male
MB	Male Boss
MBAX	Male Boss Adapterless Swivel
MBDS	Metric Bonded Seal
MFA	Male Flareless Assembly (Ermeto)
MFG	Male French GAZ
MKB	Metric Kobelco
MM	Metric Male
MN	Metric Nut
MPG	Male Special Grease Fitting
MPLN	Male Pipe Long Nose
MLSP	Metric Light Stand Pipe
MSP	Metric Stand Pipe
NASP	North American Stand Pipe
OR	O-Ring
P	Pipe Thread (NPTF or NPSM)
PL	Press Lok®
PT	Port
PWX	Pressure Washer Swivel
QLD	Quick-Lok® Direct
QHD	Quick-Lok® High
R	Field Attachable
S	SAE (45° Flare)
SP	Special
SS	Stainless Steel
TS	Tube Sleeve
TSN	Tube Sleeve Nut
X	Swivel
Z	Parker Triple Thread
22	22-1/2° Bent Tube Angle
30	30° Bent Tube Angle
45	45° Bent Tube Angle
60	60° Bent Tube Angle
67	67-1/2° Bent Tube Angle
90	90° Bent Tube Angle
110	110° Bent Tube Angle
135	135° Bent Tube Angle

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Coupling Selection – continued

## Thread End Dash Sizes, Descriptions and Dimensions

### Coupling Dash Size and End Style

Coupling dash size is a shorthand method of denoting the size of a particular end fitting (see Thread Chart).

EXAMPLE: 12MP denotes a 3/4" male pipe thread end fitting. The corresponding thread description for a 3/4" pipe thread is 3/4 -14 NPTF solid male.

EXAMPLE: 12FJX denotes a 3/4" female JIC swivel (37° seat) end fitting. The corresponding thread description for a 3/4" JIC thread is 1-1/16 – 12 JIC 37° flare swivel female.

EXAMPLE: 12FL denotes a 3/4" SAE standard pressure (Code 61) flange fitting. This is the standard fitting description for a 3/4" SAE standard pressure flange.

### Termination Drop Lengths

Bent tube couplings carry a suffix designation that specifies the degree of bend and the length of the drop.

For example, a **12FJX90S** is a female JIC swivel with a 90 degree bend. The "S" designates an SAE J516 short drop length. The short and long drops are specified in SAE J516. Flat-face and metric couplings meet ISO-12151-1 drop length specifications. Medium drops are not specified and can vary from manufacturer to manufacturer.

**S** – Short Drop

**M** – Medium Drop

**L** – Long Drop

**XL** – Extra Long Drop

Special, non-industry standard drop lengths are designated with a numerical suffix instead of the S, M, L code. For example, a **12FJX90-075** designates a 75mm drop.

### SAE J516 Drop Length Specifications

JIC 37°, Code 61, Code 62

Hose Size	Short Drop (mm)	Long Drop (mm)
-4	17.3	45.7
-6	21.6	55.4
-8	27.7	61.7
-10	31.2	65.3
-12	46.2	94.7
-16	54.4	110.0

### ISO Drop Length Specifications

ISO 12151-S JIC and ISO 12151-3 Code 61 & Code 62

Hose Size	Short Drop (mm)	Medium Drop (mm)	Long Drop (mm)
-4	21	32	46
-6	23	38	54
-8	29	41	64
-10	32	47	80
-12	48	58	86
-16	56	71	114
-20	64	78	129
-24	69	76	129

### Thread End Catalog Descriptions

Gates coupling ends shown on the following pages are accepted as industry standards. See detailed catalog listings for availability of specific hose/coupling combinations, detailed descriptions, thread end configurations such as swivels, bent tubes and special ends.



# Sealing Types for Hydraulic Couplings

When identifying hydraulic couplings, it is important to identify the type of seal made. There are three major types of coupling interfaces used in hydraulics today: Thread Interface, O-Rings and Mated Angle or Mechanical Joint. These three interfaces have developed differently in different parts of the world. In the following pages, country of origin and the coupling styles found in each country are identified. Brief descriptions and dimensional data help identify your particular coupling style.

## Identifying couplings is as easy as 1-2-3!

### 1. Determine Seal Type.

- Thread Interference
- O-Ring
- Mated Angle or Mechanical Joint
- Mated Angle with O-Ring

**Thread Interference.** A characteristic of this thread is that the male is thinner at the front than it is at the back. As the male is threaded into the female, the edges of the thread distort by flattening out. This distortion creates the seal.

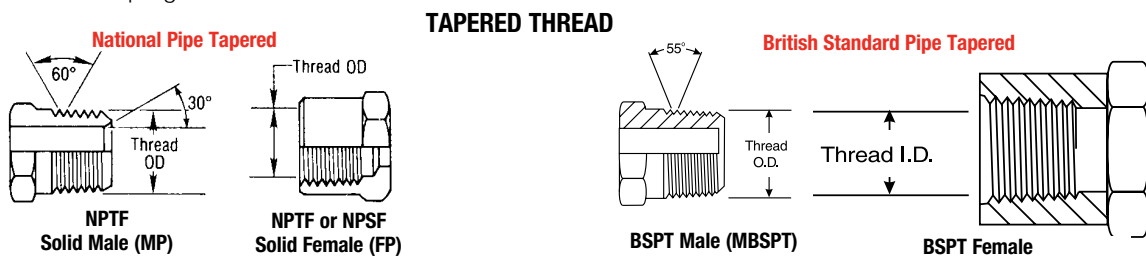
**O-Ring.** The O-ring on the male being compressed against the corresponding female makes this seal. This type of seal is excellent for high-pressure applications. The threads pull the fitting against the port, trap the O-ring and flatten it to form a tight seal.

**Mated Angle or Mechanical Joint.** Different angles are used to create the seal. The seal takes place where the two angles meet and are wedged into one another. These can be cut with the angle either being inverted or standard. Standard seat couplings have the nose angle of the male on the outer surface of the coupling. Inverted seat couplings contain the nose angle of the male on the inside bore of the coupling.

**Mated Angle with O-Ring.** These couplings are a hybrid, which use both the mated angle and the O-ring to make the seal.

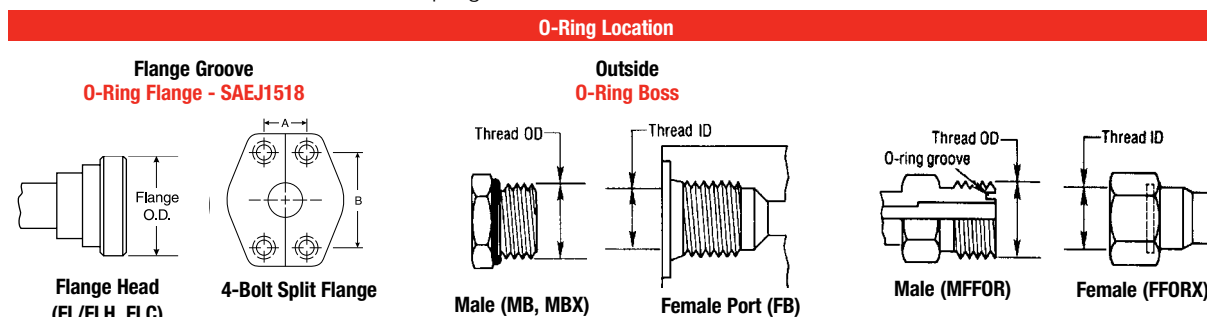
### 2. Visual Identification.

**Thread Interference.** These are the easiest because the only factor here is whether the termination is male or female. Couplings that use this seal are:



**O-Ring.** Two determinations are needed:

- O-Ring Location – Flange Groove, Outside, or on the Nose Seat
- Coupling Termination – Male or Female

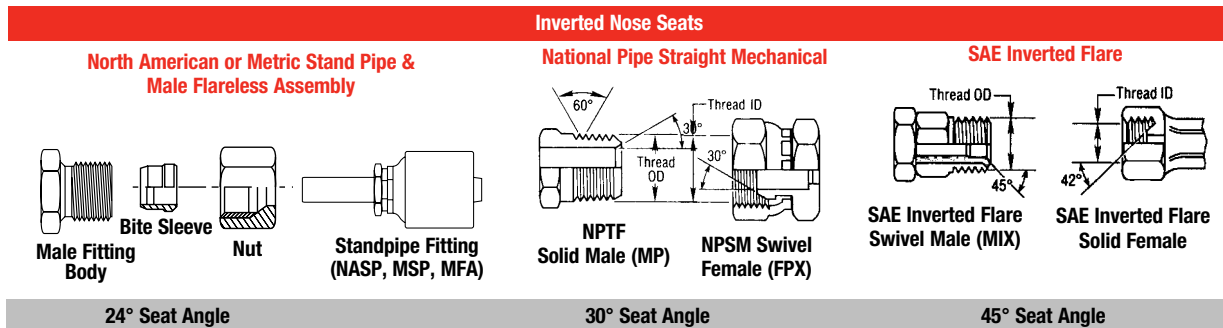
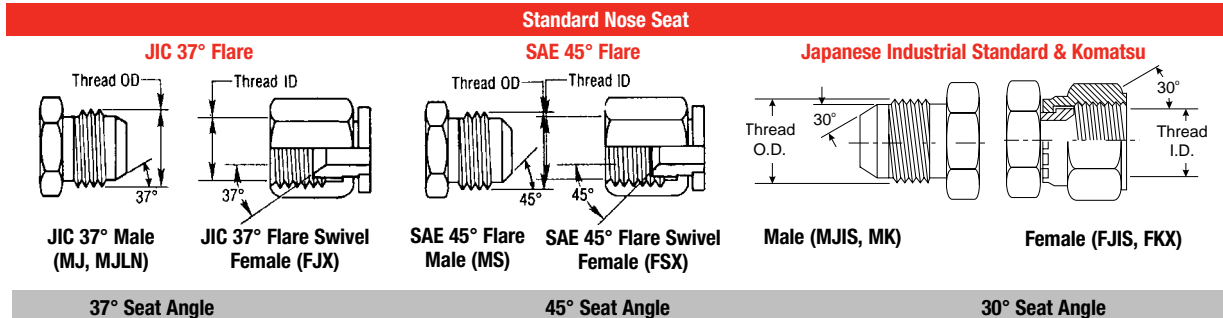


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

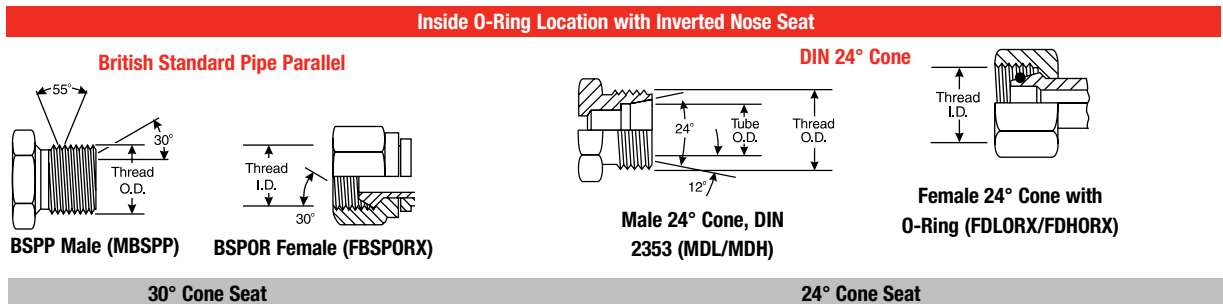
# Sealing Types for Hydraulic Couplings – Continued

## 2. Visual Identification - Continued

**Mated Angle or Mechanical Joint.** Determine:  
**A.** Nose Seat – Standard or Inverted  
**B.** Seat Angle (See Measuring Seat Angles)  
**C.** Coupling Termination



**Mated Angle with O-Ring.** Determine:  
**A.** O-Ring Location  
**B.** Nose Seat  
**C.** Seat Angle (See Measuring Seat Angles)  
**D.** Coupling Termination



For a wall poster representation of this information, order literature form number 35040.

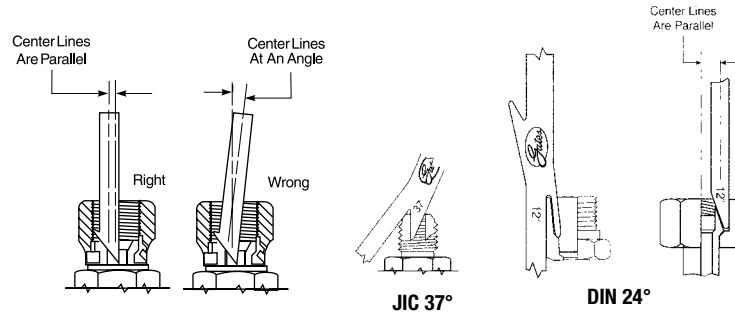
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Sealing Types for Hydraulic Couplings – Continued

## Measuring Seat Angles

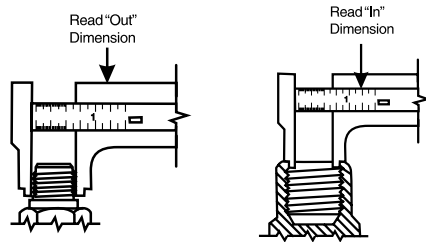
Using the seat gauge, determine the angle of the seat, as illustrated. When the centerline of the seat gauge extends parallel with the projected longitudinal axis of the coupling, then the angles of the gauge and seat match.

NOTE: Thread binding will occur when different thread configurations are used. DO NOT mix thread configurations.

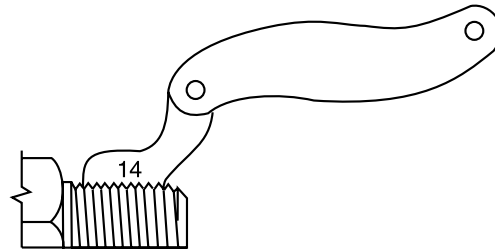


## 3. Measure Threads.

Because some couplings have very similar characteristics, the only way to determine the correct identification is by measuring the thread. Follow the procedure below when measuring coupling threads:



With the caliper measure the thread diameter of the largest point. (Outside diameter (O.D.) of male threads—Inside Diameter (I.D.) of female threads.)



Using the thread gauge, determine the number of threads per inch. Comparison of gauge and coupling threads against a lighted background will ensure an accurate reading.

Match the measurements taken above against those in the following tables that appear to be similar to the coupling under consideration.

*Gates provides many useful tools to assist you in identifying the right coupling!*

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Coupling/Thread Identification Tools

### Hydraulic Coupling Templates

**Industrial Advertising Number:** 39549

These templates provide a fast and easy way to measure North American threads, International threads, flange ends, seat angles (37° and 45°) and hose I.D.



### Stainless Steel Digital Caliper

**Product Number:** 7369-0322

Caliper features an easy-to-read LCD screen clearly displaying the crimp diameter digitally. Capable of four-way measurement: inside, outside, depth and step. Constructed of hardened stainless steel and comes in a handy, protective carrying case.



### International Thread Identification Kit

**Product Number:** 7369-0319

A sturdy, attractive carrying case suitable for counter display and field sales calls. Contains male metric and BSP plugs for identifying thread size, pocket thread I.D. kit, and flow chart with step-by-step instructions. For female thread identification, simply couple with the mating male.



### Pocket Thread Identification Kit

**Product Number:** 7369-4318

To properly identify the correct replacement couplings, the measuring tools shown here should be used.

- Contents:**
- Calipers
  - Seat Gauges (English)
  - Seat Gauges (Metric)
  - Thread Gauges
  - Thread I.D. Guide.



EQUIPMENT	HOSE/CPLG. SELECTION	G8K COUPLINGS	GLOBALSPIRAL COUPLINGS	PCM/PCS FERRULES	MEGACRIMP COUPLINGS	STAINLESS STEEL	POWER CRIMP COUPLINGS	LOC, GL AND GLP COUPLINGS	POLARSEAL COUPLINGS	POLARSEAL II COUPLINGS	C14 COUPLINGS	PCTS THERMO-PLASTIC COUPLINGS	FIELD ATTACHABLE G1 AND G2 COUPLINGS	FIELD ATTACHABLE C5 AND C5E COUPLINGS	SURELOK AIR BRAKE COUPLINGS	ADAPTERS	QUICK DISCONNECT COUPLERS	LIVE SWIVEL	BALL VALVES	ACCESSORIES	EQUIPMENT AND PARTS
-----------	----------------------	---------------	------------------------	------------------	---------------------	-----------------	-----------------------	---------------------------	---------------------	------------------------	---------------	-------------------------------	--------------------------------------	---------------------------------------	-----------------------------	----------	---------------------------	-------------	-------------	-------------	---------------------

# Thread Chart

For All Hose I.D.'s Except C5 Series, C14 and AC134a.

DASH SIZE	2	3	4	5	6	7	8	10	12	14	16	20	24	32	40	48									
<b>NPT Pipe Thread</b>	1/2-27	3/4-18	1/2-18	3/8-18	1/2-14	3/4-14	1-11/2	1-11/2	1-1/2-11/2	1-1/2-11/2	1-1/2-11/2	2-11/2	2-11/2	2-11/2	2-11/2	3-8									
<b>NPSM Swivel Thread</b>	1/2-27	3/4-18	1/2-18	3/8-18	1/2-14	3/4-14	1-11/2	1-11/2	1-1/2-11/2	1-1/2-11/2	1-1/2-11/2	2-11/2	2-11/2	2-11/2	2-11/2	3-8									
<b>JIC 37° Flare Thread</b>	3/8-24	1/2-20	3/4-20	1/2-20	3/4-18	1-16	1-14	1-14	1-1/2-12	1-1/2-12	1-1/2-12	2-12	2-12	2-12	3-12	3-12									
<b>SAE 45° Flare Thread</b>	3/8-24	1/2-20	3/4-20	1/2-20	3/4-18	1-16	1-14	1-14	1-1/2-12	1-1/2-12	1-1/2-12	2-12	2-12	2-12	3-12	3-12									
<b>SAE O-Ring Thread</b>	3/8-24	1/2-20	3/4-20	1/2-20	3/4-18	1-16	1-14	1-14	1-1/2-12	1-1/2-12	1-1/2-12	2-12	2-12	2-12	3-12	3-12									
<b>Flat-Face Thread</b>	3/8-18	1/2-18	3/4-18	1-16	1-14	1-14	1-14	1-14	1-1/2-12	1-1/2-12	1-1/2-12	2-12	2-12	2-12	3-12	3-12									
<b>Inverted Flare Thread</b>	3/8-28	1/2-24	3/4-24	1/2-24	3/4-18	1-18	1-16	1-16	1-1/2-14	1-1/2-14	1-1/2-14	2-14	2-14	2-14	3-14	3-14									
<b>Compression Thread</b>	3/8-24	1/2-24	3/4-24	1/2-24	3/4-18	1-18	1-16	1-16	1-1/2-14	1-1/2-14	1-1/2-14	2-14	2-14	2-14	3-14	3-14									
<b>Code 61 Flange Head O.D.</b>	1.19	1.395	1.50	1.75	2.00	2.38	2.81	3.31	4.00																
<b>Code 62 Flange Head O.D.</b>	1.25	1.62	1.88	2.12	2.50	3.12																			
<b>BSP Thread</b>	1/2-28	3/4-19	1/2-19	3/8-19	1/2-14	3/4-14	1-11	1-11	1-1/2-11	1-1/2-11	1-1/2-11	2-11	2-11	2-11	3-11	3-11									
<b>BSPT Thread</b>	1/2-28	3/4-19	1/2-19	3/8-19	1/2-14	3/4-14	1-11	1-11	1-1/2-11	1-1/2-11	1-1/2-11	2-11	2-11	2-11	3-11	3-11									
<b>Japanese Pipe Tapered Thread</b>	1/2-28	3/4-19	1/2-19	3/8-19	1/2-14	3/4-14	1-11	1-11	1-1/2-11	1-1/2-11	1-1/2-11	2-11	2-11	2-11	3-11	3-11									
<b>Japanese Flare Thread</b>	1/2-28	3/4-19	1/2-19	3/8-19	1/2-14	3/4-14	1-11	1-11	1-1/2-11	1-1/2-11	1-1/2-11	2-11	2-11	2-11	3-11	3-11									
<b>Copper/Nylon Air Brake Thread</b>	7/8-24	1-18	3/4-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18									
<b>METRIC (mm)</b>	6	8	10	12	13	14	15	16	17	17	18	18	20	21	22	22	24	25	27	28	30	34	35	38	42
<b>MDL</b>	M12X1.5	M14X1.5	M16X1.5	M18X1.5	M20X1.5	M22X1.5	M24X1.5	M26X1.5	M30X2.0	M32X2.0	M36X2.0	M40X2.0	M45X2.0	M52X2.0	M62X2.0	M72X2.0									
<b>MDH</b>	M16X1.5	M18X1.5	M20X1.5	M22X1.5	M24X1.5	M26X1.5	M30X2.0	M32X2.0	M36X2.0	M40X2.0	M45X2.0	M52X2.0	M62X2.0	M72X2.0	M82X2.0	M92X2.0									
<b>Komatsu</b>	M18X1.5	M22X1.5	M24X1.5	M30X1.5	M33X1.5	M42X1.5	M48X1.5	M52X1.5	M62X1.5	M72X1.5	M82X1.5	M92X1.5	M102X1.5	M112X1.5	M122X1.5	M132X1.5									
<b>GAZ*</b>	M20X1.5	M24X1.5	M30X1.5	M36X1.5	M42X1.5	M48X1.5	M52X1.5	M62X1.5	M72X1.5	M82X1.5	M92X1.5	M102X1.5	M112X1.5	M122X1.5	M132X1.5	M142X1.5									

\* GAZ sizes are for catalog reference purposes, actual tube sizes are 13.25, 16.75, 21.25, 26.75, 33.5, 42.25





EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Coupling Identification

There are five coupling systems generally used for hydraulic connections today. They are identified geographically or by country as:

- North American**
- British**
- French**
- German**
- Japanese**

This section lists the origin and coupling style found in each country. Brief descriptions and dimensional data follows each coupling style.

## North American Thread Types

### Iron Pipe Thread Abbreviations

- N** National
- S** Straight Thread
- F** Fuels
- P** Pipe
- T** Tapered Thread
- M** Mechanical Joint

### NPTF

National Pipe Tapered thread for Fuel is a dryseal thread. It is used for both male and female ends.

The NPTF male will mate with the NPTF, NPSF, or NPSM female.

The NPTF male has tapered threads and a 30° inverted seat. The NPTF female has tapered threads and no seat. The seal takes place by deformation of the threads. The NPSM female has straight threads and a 30° inverted seat. The seal takes place on the 30° seat.

The NPTF connector is similar to, but not interchangeable with, the BSPT connector. The thread pitch is different in most sizes. Also, the thread angle is 60° instead of the 55° angle found on BSPT threads.

### NPSF

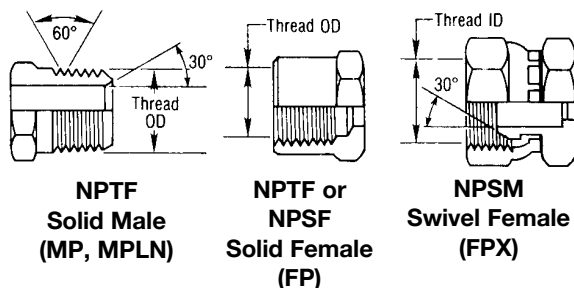
National Pipe Straight thread for Fuels is sometimes used for female ends and properly mates with the NPTF male end. However, SAE recommends the NPTF thread in preference to the NPSF for female ends.

### NPSM

National Pipe Straight thread for Mechanical Joint is used on the female swivel nut of iron pipe swivel adapters. The leak-resistant joint is not made by the sealing fit of threads, but by a tapered seat in the coupling end.

Dash Size	Nominal Size (In.)	No. Threads per Inch	Female Thread	Male Thread	Max. Torque Recommendation for Dry NPTF* (Ft. Lbs.)
			I.D. (In.)	O.D. (In.)	
-2	1/8	27	23/64	13/32	20
-4	1/4	18	15/32	35/64	25
-6	3/8	18	19/32	43/64	35
-8	1/2	14	3/4	27/32	45
-12	3/4	14	61/64	1-1/16	55
-16	1	11-1/2	1-13/64	1-5/16	65
-20	1-1/4	11-1/2	1-17/32	1-43/64	80
-24	1-1/2	11-1/2	1-25/32	1-29/32	95
-32	2	11-1/2	2-1/4	2-3/8	120

### NPT Pipe Thread



#### \*NOTES:

- Torque values can vary considerably depending on thread condition. Use only enough torque to achieve adequate sealing.
- With female straight or parallel pipe threads (NPSM), maximum values are 50 percent of those listed in the table.
- If thread sealant is used, maximum values shown should be decreased by 25 percent.

# Coupling Identification

## North American Thread Types (con't.)

### \*JIC (37° Flare)

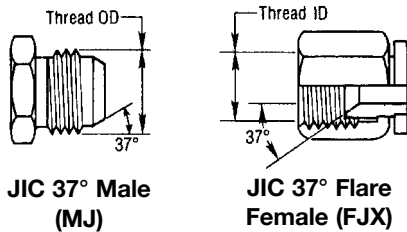
The Society of Automotive Engineers (SAE) specifies a 37° angle flare or seat be used with high pressure hydraulic tubing. These are commonly called JIC couplings.

The JIC 37° flare male will mate with a JIC female only.\* The JIC male has straight threads and a 37° flare seat. The JIC female has straight threads and a 37° flare seat. The seal is made on the 37° flare seat.

Some sizes have the same threads as the SAE 45° flare. Carefully measure the seat angle to differentiate.

**\*Note:** Some C5, C5E and Lock-On couplings may have dual machined seats (both 37° and 45° seats).

#### JIC 37° Flare



JIC 37° Male (MJ)

JIC 37° Flare Female (FJX)

Dash Size	Nominal Size (In.)	Thread Size	Female Thread	Male Thread	Steel Torque Recommendation (Ft. Lbs.)	
			I.D. (In.)	O.D. (In.)	Min.	Max.
-2	1/8	5/16 - 24	17/64	5/16	-	-
-3	3/16	3/8 - 24	21/64	3/8	-	-
-4	1/4	7/16 - 20	25/64	7/16	10	11
-5	5/16	1/2 - 20	29/64	1/2	13	15
-6	3/8	9/16 - 18	1/2	9/16	17	19
-8	1/2	3/4 - 16	11/16	3/4	34	38
-10	5/8	7/8 - 14	13/16	7/8	50	56
-12	3/4	1-1/16 - 12	31/32	1-1/16	70	78
-14	7/8	1-3/16 - 12	1-7/64	1-3/16	-	-
-16	1	1-5/16 - 12	1-15/64	1-5/16	94	104
-20	1-1/4	1-5/8 - 12	1-35/64	1-5/8	124	138
-24	1-1/2	1-7/8 - 12	1-51/64	1-7/8	156	173
-32	2	2-1/2 - 12	2-27/64	2-1/2	219	243

### \*SAE (45° Flare)

A term usually applied to fittings having a 45° angle flare or seat. Soft copper tubing is generally used in such applications as it is easily flared to the 45° angle. These are for low-pressure applications—such as for fuel lines and refrigerant lines.

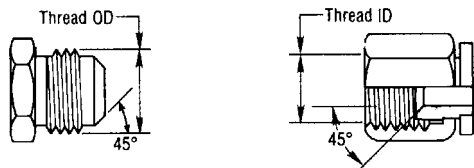
The SAE 45° flare male will mate with an SAE 45° flare female only or a dual seat JIC/SAE 45°.\*

The SAE male has straight threads and a 45° flare seat. The SAE female has straight threads and a 45° flare seat. The seal is made on the 45° flare seat.

Some sizes have the same threads as the SAE 37° flare. Carefully measure the seat angle to differentiate.

**\*Note:** Some C5, C5E and Lock-On couplings may have dual machined seats (both 37° and 45° seats).

#### SAE 45° Flare



SAE 45° Flare Male (MS)

SAE 45° Flare Swivel Female (FSX)

Dash Size	Nominal Size (In.)	Thread Size	Female Thread	Male Thread	Steel Torque Recommendation (Ft. Lbs.)	
			I.D. (In.)	O.D. (In.)	Min.	Max.
-2	1/8	5/16 - 24	17/64	5/16	-	-
-3	3/16	3/8 - 24	21/64	3/8	-	-
-4	1/4	7/16 - 20	25/64	7/16	10	11
-5	5/16	1/2 - 20	29/64	1/2	13	15
-6	3/8	5/8 - 18	9/16	5/8	17	19
-7	7/16	11/16 - 16	5/8	11/16	-	-
-8	1/2	3/4 - 16	11/16	3/4	34	38
-10	5/8	7/8 - 14	13/16	7/8	50	56
-12	3/4	1-1/16 - 14	63/64	1-1/16	70	78

#### Special Power Steering Thread End

Dash Size	Nominal Size (In.)	Thread Size	Female Thread	Male Thread
			I.D. (In.)	O.D. (In.)
-6	3/8	11/16 - 18	5/8	11/16

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



## Coupling Identification

### North American Thread Types (con't.)

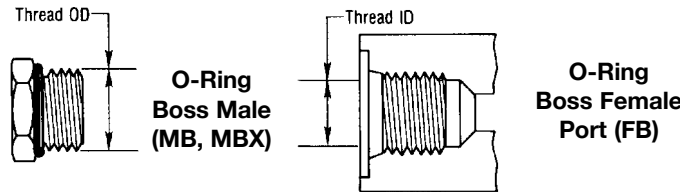
#### O-Ring Boss

The O-ring boss male will mate with an O-ring boss female only. The female is generally found on ports.

The male has straight threads, a sealing face and an O-ring. The female has straight threads and a sealing face. The seal is made at the O-ring on the male and the sealing face on the female.

Dash Size	Nominal Size (In.)	Thread Size	Female Thread	Male Thread	O-Ring		Steel Torque Recommendations (Ft. Lbs)			
							Below 4,000 psi Working Pressure		Above 4,000 psi Working Pressure	
							Min.	Max.	Min.	Max.
-2	1/8	5/16 - 24	17/64	5/16	0.239	-	-	-	-	-
-3	3/16	3/8 - 24	21/64	3/8	0.301	30R	-	-	8	10
-4	1/4	7/16 - 20	25/64	7/16	0.351	40R	14	16	14	16
-5	5/16	1/2 - 20	29/64	1/2	0.414	50R	-	-	18	20
-6	3/8	9/16 - 18	1/2	9/16	0.468	60R	24	26	24	26
-8	1/2	3/4 - 16	11/16	3/4	0.644	80R	37	44	50	60
-10	5/8	7/8 - 14	13/16	7/8	0.755	100R	50	60	72	80
-12	3/4	1-1/16 - 12	1-1/32	1-1/16	0.924	120R	75	83	125	135
-14	7/8	1-3/16 - 12	1-7/64	1-3/16	1.048	140R	-	-	160	180
-16	1	1-5/16 - 12	1-15/64	1-5/16	1.171	160R	111	125	200	220
-20	1-1/4	1-5/8 - 12	1-35/64	1-5/8	1.475	200R	133	152	210	280
-24	1-1/2	1-7/8 - 12	1-51/64	1-7/8	1.720	-	156	184	270	360
-32	2	2-1/2 - 12	2-27/64	2-1/2	2.337	-	-	-	-	-

#### SAE Straight Thread O-Ring Boss



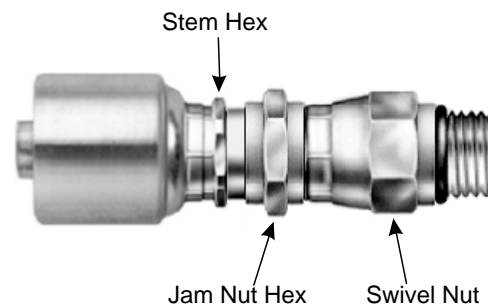
### Gates Adapterless—MBAX

The Gates Adapterless coupling is designed for use in OEM assembly line applications. It eliminates the need for an adapter by directly connecting into the port, which reduces the number of possible leak points and reduces installation labor. It allows easy installation and eliminates the troubles of alignment on bent tube assemblies. It eliminates the performance limitations of the traditional male swivel. A jam nut locks the coupling into place.

Assemblies using the Gates Adapterless coupling can be serviced by replacing the assembly with an MB adapter in the port and a standard end termination (for example, an MB-MJ adapter and FJX couplings).

**WARNING:** The tightening of the jam nut is **absolutely critical** to performance so that the Adapterless coupling does not become a "live swivel". A live swiveling condition can cause wearing of the internal seals and result in leaks.

The Gates Adapterless coupling uses SAE O-Ring Boss threads. See the table above. The installation torque values are the same as SAE O-Ring Boss.



# Coupling Identification

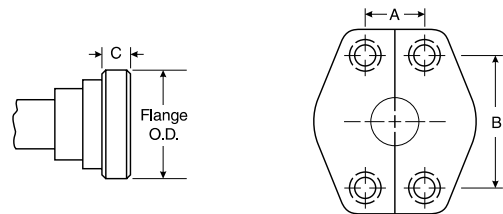
## North American Thread Types (con't.)

### O-Ring Flange—SAE J518

The SAE Code 61 and Code 62 4-bolt split flange is used worldwide, usually as a connection on pumps and motors. There are three exceptions.

1. The -10 size, which is common outside of North America, is not an SAE standard size (generally found on Komatsu equipment). All Komatsu flanges are the same as SAE code 61 except for the -10 size.
2. Caterpillar flanges, which are the same flange O.D. as SAE Code 62, have a thicker flange head ("C" dimension in Table).
3. Poclain flanges, which are completely different from SAE flanges.

SAE Code 61 and Code 62



Flange Head (FL/  
FLH, FLC)

4-Bolt Split Flange Bolt  
Hose Dimensions

Dash Size	Nominal Flange Size (In.)	Code 61 (FL)				Code 62 (FLH)				Caterpillar Code 62 (FLC)			
		Flange O.D. (In.)	A (In.)	B (In.)	C (In.)	Flange O.D. (In.)	A (In.)	B (In.)	C (In.)	Flange O.D. (In.)	A (In.)	B (In.)	C (In.)
-8	1/2	1.188	.688	1.500	.265	1.250	.718	1.594	.305	-	-	-	-
-10	5/8	1.345	-	-	.265	-	-	-	-	-	-	-	-
-12	3/4	1.500	.875	1.875	.265	1.625	.937	2.000	.345	1.625	.938	2.000	.560
-16	1	1.750	1.031	2.062	.315	1.875	1.093	2.250	.375	1.875	1.094	2.250	.560
-20	1-1/4	2.000	1.188	2.312	.315	2.125	1.250	2.625	.405	2.125	1.250	2.625	.560
-24	1-1/2	2.375	1.406	2.750	.315	2.500	1.437	3.125	.495	2.500	1.438	3.125	.560
-32	2	2.812	1.688	3.062	.375	3.125	1.750	3.812	.495	3.125	1.750	3.812	.560
-40	2-1/2	3.312	2.000	3.500	.375	-	-	-	-	-	-	-	-
-48	3	4.000	2.438	4.188	.375	-	-	-	-	-	-	-	-
-56	3-1/2	4.500	2.750	4.750	.422	-	-	-	-	-	-	-	-
-64	4	5.000	3.062	5.125	.442	-	-	-	-	-	-	-	-
-80	5	6.000	3.625	6.000	.442	-	-	-	-	-	-	-	-

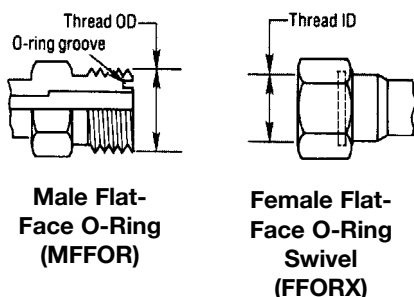
### O-Ring Face Seal (ORFS)—SAE J1453

A seal is made when the O-ring in the male contacts the flat face on the female. Couplings are intended for hydraulic systems where elastomeric seals are acceptable to overcome leakage and leak resistance is crucial.

The solid male O-ring face seal fitting will mate with a swivel female O-ring face seal SAE J1453 fitting only.

An O-ring rests in the O-ring groove in the male.

#### O-Ring Face Seal



Male Flat-Face O-Ring (MFFOR)

Female Flat-Face O-Ring Swivel (FFORX)

Dash Size	Nominal Size (In.)	Thread Size	Female Thread	Male Thread	O-Ring Size
			I.D. (In.)	O.D. (In.)	
-4	1/4	9/16 - 18	1/2	9/16	-011
-6	3/8	11/16 - 16	5/8	11/16	-012
-8	1/2	13/16 - 16	3/4	13/16	-014
-10	5/8	1 - 14	15/16	1	-016
-12	3/4	1-3/16 - 12	1-1/8	1-3/16	-018
-16	1	1-7/16 - 12	1-11/32	1-7/16	-021
-20	1-1/4	1-11/16 - 12	1-19/32	1-11/16	-025
-24	1-1/2	2 - 12	1-29/32	2	-029

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

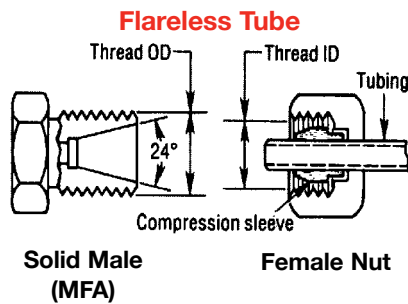
## Coupling Identification

### North American Thread Types (con't.)

#### Flareless Tube

The flareless solid male will mate with a female flareless nut and compression sleeve only.

The male has straight threads and a 24° seat. The female has straight threads and has a compression sleeve for a sealing surface. The seal is made between the compression sleeve and the 24° seat on the male, and between the compression sleeve and the tubing on the female.

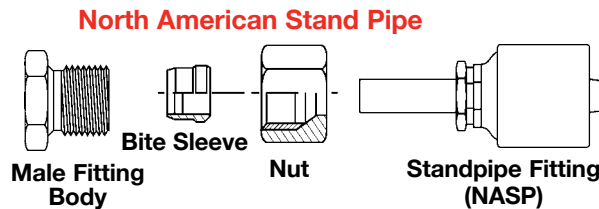


Dash Size	Tube Size (In.)	Nominal Size (In.)	Thread Size	Female Thread	Male Thread
				I.D. (In.)	O.D. (In.)
-2	1/8	5/16	5/16 - 24	17/64	5/16
-3	3/16	3/8	3/8 - 24	21/64	3/8
-4	1/4	7/16	7/16 - 20	25/64	7/16
-5	5/16	1/2	1/2 - 20	29/64	1/2
-6	3/8	9/16	9/16 - 18	1/2	9/16
-8	1/2	3/4	3/4 - 16	11/16	3/4
-10	5/8	7/8	7/8 - 14	13/16	7/8
-12	3/4	1-1/16	1-1/16 - 12	31/32	1-1/16
-14	7/8	1-3/16	1-3/16 - 12	1-7/64	1-3/16
-16	1	1-5/16	1-5/16 - 12	1-15/64	1-5/16
-20	1-1/4	1-5/8	1-5/8 - 12	1-35/64	1-5/8
-24	1-1/2	1-7/8	1-7/8 - 12	1-51/64	1-7/8
-32	2	2-1/2	2-1/2 - 12	2-27/64	2-1/2

### North American Stand Pipe (NASP)

A stand pipe assembly is comprised of three components attached to a male fitting. The components are a Stand Pipe Tube, Bite Sleeve and Nut. The Nut is placed over the Stand Pipe, followed by the Bite Sleeve (see illustration below). The Bite Sleeve and Stand Pipe are selected on the basis of tube O.D. required.

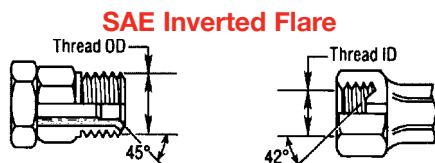
Dash Size	Tube O.D. (In.)	Tube Length (In.)
-4	0.25	0.88
-6	0.38	0.88
-8	0.50	1.00
-12	0.75	1.16
-16	1.00	1.12



### SAE Inverted Flare

The SAE 45° inverted flare male will mate with an SAE 42° inverted flare female only.

The male has straight threads and a 45° inverted flare. The female has straight threads and a 42° inverted flare. The seal is made on the 45° flare seat on the male and the 42° flare seat on the female.



Dash Size	Nominal Size (In.)	Thread Size	Female Thread	Male Thread
			I.D. (In.)	O.D. (In.)
-2	1/8	5/16 - 28	9/32	5/16
-3	3/16	3/8 - 24	21/64	3/8
-4	1/4	7/16 - 24	25/64	7/16
-5	5/16	1/2 - 20	29/64	1/2
-6	3/8	5/8 - 18	37/64	5/8
-7	7/16	11/16 - 18	5/8	11/16
-8	1/2	3/4 - 18	45/64	3/4
-10	5/8	7/8 - 18	13/16	7/8
-12	3/4	1-1/16 - 16	1	1-1/16

SAE Inverted Flare Swivel Male (MIX)

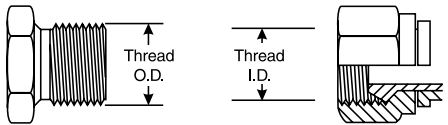
SAE Inverted Flare Solid Female

# Coupling Identification

## Air Brake Fittings

Female air brake swivels are designed to work exclusively with a male air brake adapter. Federal law requires only this combination to be used on air brake lines from the valve to the air brake diaphragm chamber.

The male has straight threads and an inverted seat. The female has straight threads and a corresponding inverted flare. The seal is made on the flare seats of both the male and female.

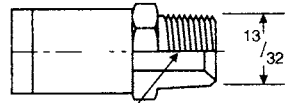


Male Air Brake      Female Air Brake Swivel

Dash Size	Thread Size	Female Thread I.D. (In.)	Male Thread O.D. (In.)
-6	3/4 - 20	23/32	3/4
-8	7/8 - 20	27/32	7/8

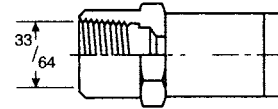
## Grease Fittings

### Special Male Grease Fitting



1/8-27 Pipe Thread

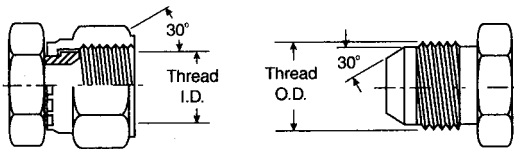
### Special Female Grease Fitting



1/2-27 Tapered Thread

## Parker Triple Thread Flare Fittings

### Parker Triple Thread Flare Fittings



Swivel Female (FZX)

Solid Male (MZ)

Dash Size	Nominal Size (In.)	Thread Size	Female Thread	Male Thread
			I.D. (In.)	O.D. (In.)
-16	1-5/16	1-5/16 - 14	1-1/4	1-5/16

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Coupling Identification

### Foreign Thread Types

#### Identifying Foreign Couplings

If you can identify the country of origin of the equipment you are working with, it is easy to identify the coupling style. Simply find the appropriate country in the following pages and locate the particular coupling in the table that follows.

### British

It is a common misconception that all foreign threads are metric. This is not always the case. There are two common thread forms: Metric and Whitworth (BSP). The country of origin and the proper nomenclature for each is listed below.

#### British Standard Pipe Parallel

Popular couplings have British Standard Pipe (BSP) threads, also known as Whitworth threads. These can be parallel threads (BSPP) with a 30° inverted flare or tapered threads (BSPT), with a 30° inverted flare. Port connections are usually made with BSPP threads and a soft metal cutting ring for sealing.

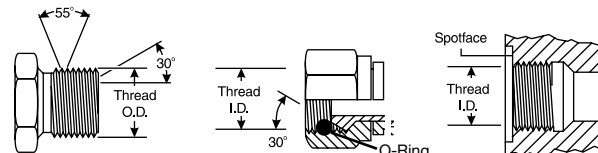
The BSPP (parallel) male will mate with a BSPOR (parallel) female or a female port.

The BSPP male has straight threads and a 30° seat. The BSPOR female has straight threads, a 30° seat, and O-ring. The female port has straight threads and a spotface. The seal on the port is made with an O-ring or soft metal washer on the male.

The BSPP (parallel) connector is similar to, but not interchangeable with, the NPSM connector. The thread pitch is different in most sizes, and the thread angle is 55° instead of the 60° angle found on NPSM threads.

Dash Size	Nominal Size (In.)	Thread Size	Female Parallel Thread	Male Parallel Thread	Torque Recommendation (Ft. Lbs.)	
			I.D. (In.)	O.D. (In.)	Min.	Max.
-2	1/8	1/8 - 28	11/32	3/8	7	9
-4	1/4	1/4 - 19	15/32	17/32	11	18
-6	3/8	3/8 - 19	19/32	21/32	19	28
-8	1/2	1/2 - 14	3/4	13/16	30	36
-10	5/8	5/8 - 14	13/16	29/32	37	44
-12	3/4	3/4 - 14	31/32	1-1/32	50	60
-16	1	1 - 11	1-7/32	1-11/32	79	95
-20	1-1/4	1-1/4 - 11	1-17/32	1-21/32	127	152
-24	1-1/2	1-1/2 - 11	1-25/32	1-7/8	167	190
-32	2	2 - 11	2-7/32	2-11/32	262	314

#### British Standard Pipe Parallel (BSPOR)



BSPP Male (MBSPP)

BSPOR Female (FBSPORX)

BSPOR Female Port

#### British Standard Pipe Tapered

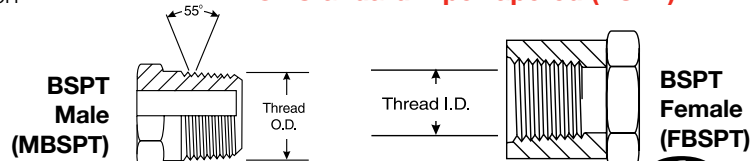
The BSPT (tapered) male will mate with a BSPT (tapered) female, or a BSPOR (parallel) female.

The BSPT male has tapered threads. When mating with either the BSPT (tapered) female or the BSPOR (parallel) female port, the seal is made on the threads.

The BSPT connector is similar to, but not interchangeable with, the NPTF connector. The thread pitch is different in most cases, and the thread angle is 55° instead of the 60° angle found on NPTF threads.

Dash Size	Nominal Size (In.)	Thread Size	Female Parallel Thread	Male Parallel Thread	Torque Recommendation (Ft. Lbs.)	
			I.D. (In.)	O.D. (In.)	Min.	Max.
-2	1/8	1/8 - 28	11/32	3/8	7	9
-4	1/4	1/4 - 19	15/32	17/32	11	18
-6	3/8	3/8 - 19	19/32	21/32	19	28
-8	1/2	1/2 - 14	3/4	13/16	30	36
-10	5/8	5/8 - 14	13/16	29/32	37	44
-12	3/4	3/4 - 14	31/32	1-1/32	50	60
-16	1	1 - 11	1-7/32	1-11/32	79	95
-20	1-1/4	1-1/4 - 11	1-17/32	1-21/32	127	152
-24	1-1/2	1-1/2 - 11	1-25/32	1-7/8	167	190
-32	2	2 - 11	2-7/32	2-11/32	262	314

#### British Standard Pipe Tapered (BSPT)



BSPT Male (MBSPT)

BSPT Female (FBSPT)

# Coupling Identification

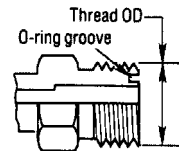
## Foreign Thread Types – British (con't.)

### British Flat-Face Seal

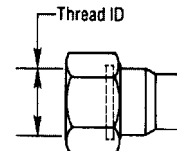
A seal is made when the O-ring in the male contacts the flat face on the female. These couplings are intended for hydraulic systems where elastomeric seals are acceptable to overcome leakage and leak resistance is crucial.

The solid male British O-ring face seal fitting will mate with a swivel female British O-ring face seal fitting only. An O-ring rests in the O-ring groove in the male.

Dash Size	Nominal Size (In.)	Thread Size	Female Parallel Thread	Male Parallel Thread	Torque Recommendation (Ft. Lbs.)	
			I.D. (In.)	O.D. (In.)	Min.	Max.
-6	3/8	3/8-19	19/32	21/32	18	20
-8	1/2	1/2-14	3/4	13/16	32	40
-12	3/4	3/4-14	31/32	1 1/32	65	80



Male British Flat-Face (MBFF)



Female British Flat-Face (FBFF)

## French

Popular couplings are French GAZ. These have a 24° seat and metric threads. These are similar to German DIN couplings, but the threads are different in some sizes. Although both are metric threads, the French use fine threads in all sizes and German DIN couplings use coarse threads in larger sizes. Most port connections are flange connections. French flanges are different than SAE—they have a lip that protrudes from the flange face. These are called Poclairn-style flanges.

### GAZ 24°

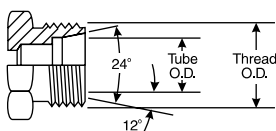
The French Metric (GAZ) male will mate with the female 24° cone or the female tube fitting.

**The male has a 24° seat and straight metric threads. The female has a 24° seat or a tubing sleeve and straight metric threads and is interchangeable with female Kobelco.**

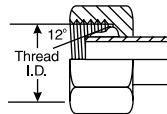
When measuring the flare angle with the seat angle gauge, use the 12° gauge. The seat angle gauge measures the angle from the connector centerline.

Metric Thread Size	Female Thread I.D. (mm)	Male Thread O.D. (mm)	Tube O.D. (mm)
M20x1.5	18.5	20.0	13.25
M24x1.5	22.5	24.0	16.75
M30x1.5	28.5	30.0	21.25
M36x1.5	34.5	36.0	26.75
M45x1.5	43.5	45.0	33.50
M52x1.5	50.5	52.0	42.25

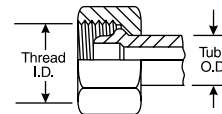
### French Metric (GAZ)



Male 24° Cone



Female 24° Cone



Female Tube Fitting



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Coupling Identification

### Foreign Thread Types – French (con't.)

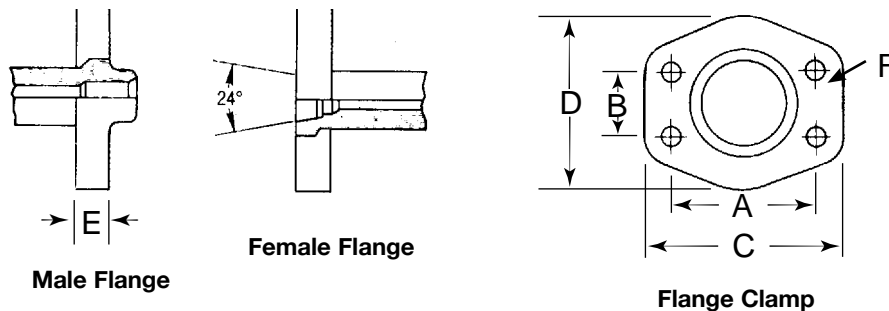
#### GAZ Poclairn 24° Flange

The Poclairn (French GAZ) 24° high pressure flange is usually found on Poclairn equipment.

The male flange will mate with a female flange or port. The seal is made on the 24° seat.

Nominal Size (In.)	A (In.)	B (In.)	C (In.)	D (In.)	E (In.)	F (In.)
1/2	1.57	.72	2.20	1.89	.55	.35
5/8	1.57	.72	2.20	1.89	.55	.35
3/4	2.00	.94	2.75	2.38	.71	.43

#### Poclairn (French GAZ)



### German DIN (Deutsche Industrial Norme)

Popular couplings are German DIN (Deutsche Industrial Norme). A coupling referred to as “metric” usually means a DIN coupling.

#### DIN 24° Cone

The DIN 24° cone male will mate with any of the females shown.

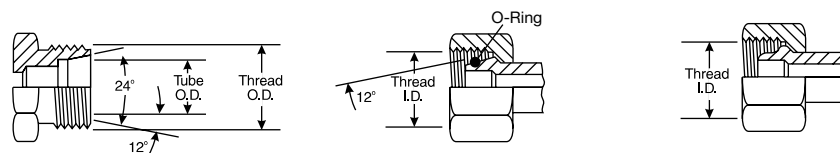
The male has a 24° seat, straight metric threads, and a recessed counterbore which matches the tube O.D. of the coupling used with it. The mating female is a 24° cone with O-ring, a metric tube fitting or a universal 24° and 60° cone.

There is a light and heavy series DIN coupling. Proper identification is made by measuring both the thread size and the tube O.D. (The heavy series has a smaller tube O.D. but a thicker wall section than the light.)

When measuring the flare angle with the seat angle gauge, use the 12° gauge. The seat angle gauge measures the angle from the connector centerline.

Metric Thread Size	Female Thread I.D. (mm)	Male Thread O.D. (mm)	Tube O.D.		Torque Recommendation (Ft. Lbs.)	
			Light Series (mm)	Heavy Series (mm)	Min.	Max.
M12x1.5	10.5	12.0	6	—	7	15
M14x1.5	12.5	14.0	8	—	15	26
M16x1.5	14.5	16.0	10	8	18	30
M18x1.5	16.5	18.0	12	10	22	33
M20x1.5	18.5	20.0	14	12	26	37
M22x1.5	20.5	22.0	15	14	30	52
M24x1.5	22.5	24.0	—	16	30	52
M26x1.5	24.5	26.0	18	—	44	74
M30x2.0	28.0	30.0	22	20	59	89
M36x2.0	34.0	36.0	28	25	74	111
M42x2.0	40.0	42.0	—	30	74	162
M45x2.0	43.0	45.0	35	—	133	184
M52x2.0	50.0	52.0	42	38	148	221

#### DIN 24° Male and Mating Females



Male 24° Cone, DIN 2353 (MDL/MDH)

Female 24° Cone with O-Ring (FDLORX/FDHORX)

Female Universal 24° and 60° Cone (FDLX/FDHX)

# Coupling Identification

## Foreign Thread Types – German DIN (con't.)

### DIN 60° Cone

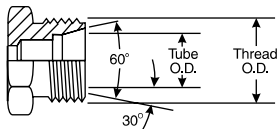
The DIN 60° cone male will mate with the female universal 24° or 60° cone connector only.

The male has a 60° seat and straight metric threads. The female has a 24° and 60° universal seat and straight metric threads.

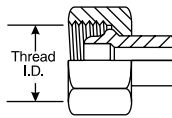
When measuring the flare angle with the seat angle gauge, use the 30° gauge. The seat angle gauge measures the angle from the connector centerline.

Metric Thread Size	Female Thread	Male Thread	Tube O.D. (mm)	Torque Recommendation (Ft. Lbs.)	
	I.D. (mm)	O.D. (mm)		Min.	Max.
M14x1.5	12.5	14.0	8	15	26
M16x1.5	14.5	16.0	10	18	30
M18x1.5	16.5	18.0	12	22	33
M22x1.5	20.5	22.0	15	30	52
M26x1.5	24.5	26.0	18	44	74
M30x1.5	28.5	30.0	22	59	59
M38x1.5	36.5	38.0	28	74	111
M45x1.5	43.5	45.0	35	133	184
M52x2.0	50.5	52.0	42	148	221

### DIN 60° Male and Mating Female



**Male**  
60° Cone, DIN 6711



**Female**  
Universal 24° and 60° Cone

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Coupling Identification

## Foreign Thread Types – German DIN (con't.)

### DIN 3852 Couplings Type A & B (Parallel Threads)

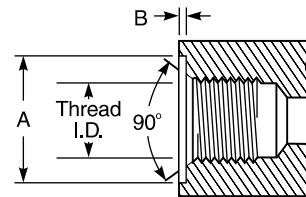
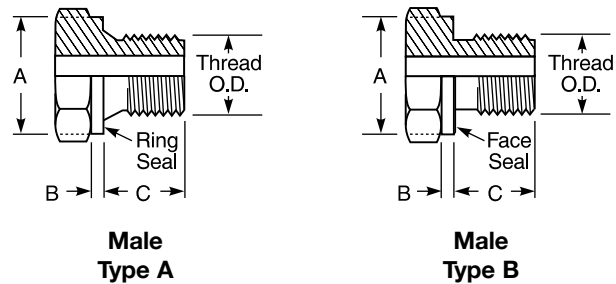
The male DIN 3852 Type A & B couplings will mate with the female DIN coupling shown below. Gates offers this thread as an adapter.

The male and female type A & B couplings have straight threads. The seal occurs when the ring seal (Type A) or the face seal (Type B) mates with the face of the female port.

There are two series of DIN 3852 Type A & B couplings, the light (L) and the heavy (S) series.

Note: Commonly used threads on male metric adapters.

DIN 3852 Couplings Type A & B (Parallel Threads)



Series	Tube O.D. (mm)	Metric Thread Parallel								Whitworth Thread Parallel								
		Thread Size	Female			Male				Thread Size	Female (BSPOR)			Male (BSPP)				
			Thread I.D. (mm)	A (mm)	B (mm)	Thread O.D. (mm)	A (mm)	B (mm)	C (mm)		Thread I.D. (In.)	A (mm)	B (mm)	Thread O.D. (In.)	A (mm)	B (mm)	C (mm)	
FIELD ATTACHABLE G1 AND G2 COUPLINGS	6	10x1.0	8.5	15	1.0	10	14	1.5	8	1/8-28	11/32	15	1.0	3/8	14	1.5	8	
	8	12x1.5	10.5	18	1.5	12	17	2.0	12	1/4-19	15/32	19	1.5	1/2	17	2.0	12	
	10	14x1.5	12.5	20	1.5	14	19	2.0	12	1/4-19	15/32	19	1.5	1/2	19	2.0	12	
	12	16x1.5	14.5	22	1.5	16	21	2.5	12	3/8-19	19/32	23	2.0	21/32	21	2.5	12	
	15	18x1.5	16.5	24	2.0	18	23	2.5	12	1/2-14	3/4	27	2.5	13/16	23	2.5	12	
	18	22x1.5	20.5	28	2.5	22	27	3.0	14	1/2-14	3/4	27	2.5	13/16	27	3.0	14	
	22	26x1.5	24.5	32	2.5	26	31	3.0	16	3/4-14	31/32	33	2.5	1-1/32	31	3.0	16	
	28	33x2.0	31.5	40	2.5	33	39	3.0	18	1-11	1-7/32	40	2.5	1-5/16	39	3.0	18	
FIELD ATTACHABLE C5 AND C5E COUPLINGS	35	42x2.0	40.5	50	2.5	42	49	3.0	20	1-1/4-11	1-17/32	50	2.5	1-21/32	49	3.0	20	
	42	48x2.0	46.5	56	2.5	48	55	3.0	22	1-1/2-11	1-25/32	56	2.5	1-7/8	55	3.0	22	
	SURELOK AIR BRAKE COUPLINGS	6	12x1.5	10.5	18	1.5	12	17	2.0	12	1/4-19	15/32	19	1.5	1/2	17	2.0	12
		8	14x1.5	12.5	20	1.5	14	19	2.0	12	1/4-19	15/32	19	1.5	1/2	19	2.0	12
		10	16x1.5	14.5	22	1.5	16	21	2.5	12	3/8-19	19/32	23	2.0	21/32	21	2.5	12
		12	18x1.5	16.5	24	2.0	18	23	2.5	12	3/8-19	19/32	23	2.0	21/32	23	2.5	12
		14	20x1.5	18.5	26	2.0	20	25	3.0	14	1/2-14	3/4	27	2.5	13/16	25	3.0	14
		16	22x1.5	20.5	28	2.5	22	27	3.0	14	1/2-14	3/4	27	2.5	13/16	27	3.0	14
		20	27x2.0	25.5	33	2.5	27	32	3.0	16	3/4-14	31/32	33	2.5	1-1/32	32	3.0	16
		25	33x2.0	31.5	40	2.5	33	39	3.0	18	1-11	1-7/32	40	2.5	1-5/16	39	3.0	18
ADAPTERS	30	42x2.0	40.5	50	2.5	42	49	3.0	20	1-1/4-11	1-17/32	50	2.5	1-21/32	49	3.0	20	
	38	48x2.0	46.5	56	2.5	48	55	3.0	22	1-1/2-11	1-25/32	56	2.5	1-7/8	55	3.0	22	
	QUICK DISCONNECT COUPLERS	6	12x1.5	10.5	18	1.5	12	17	2.0	12	1/4-19	15/32	19	1.5	1/2	17	2.0	12
LIVE SWIVEL	8	14x1.5	12.5	20	1.5	14	19	2.0	12	1/4-19	15/32	19	1.5	1/2	19	2.0	12	
	10	16x1.5	14.5	22	1.5	16	21	2.5	12	3/8-19	19/32	23	2.0	21/32	21	2.5	12	
BALL VALVES	12	18x1.5	16.5	24	2.0	18	23	2.5	12	3/8-19	19/32	23	2.0	21/32	23	2.5	12	
	14	20x1.5	18.5	26	2.0	20	25	3.0	14	1/2-14	3/4	27	2.5	13/16	25	3.0	14	
ACCESSORIES	16	22x1.5	20.5	28	2.5	22	27	3.0	14	1/2-14	3/4	27	2.5	13/16	27	3.0	14	
	20	27x2.0	25.5	33	2.5	27	32	3.0	16	3/4-14	31/32	33	2.5	1-1/32	32	3.0	16	
EQUIPMENT AND PARTS	25	33x2.0	31.5	40	2.5	33	39	3.0	18	1-11	1-7/32	40	2.5	1-5/16	39	3.0	18	
	30	42x2.0	40.5	50	2.5	42	49	3.0	20	1-1/4-11	1-17/32	50	2.5	1-21/32	49	3.0	20	

# Coupling Identification

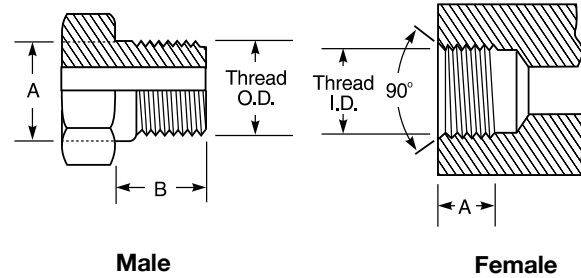
## Foreign Thread Types – German DIN (con't.)

### DIN 3852 Type C Metric and Whitworth Tapered (BSPT) Thread Connectors

The DIN 3852 Type C couplings are available with either metric or Whitworth British thread. The male will mate only with the female as shown.

The male and female couplings have tapered threads. The seal takes place on the threads. There are three series of DIN 3852 Type C Couplings: extra light (LL), light (L) and heavy (S).

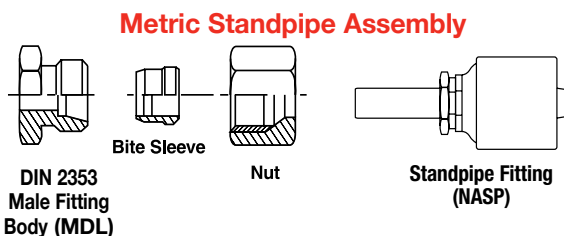
DIN 3852 Type C Metric and Whitworth Tapered Thread Connectors



Series	Tube O.D. (mm)	Metric Tapered Threads						Whitworth Tapered Threads					
		Thread Size	Female		Male		Thread Size	Female		Male			
			Thread I.D. (mm)	A (mm)	Thread O.D. (mm)	A (mm)		B (mm)	Thread I.D. (In.)	A (mm)	Thread O.D. (In.)	A (mm)	B (mm)
LL Extra Light	4	8x1.0	6.5	5.5	8	8.40	8	1/8-28	11/32	5.5	1/8	.392	8
	5	8x1.0	6.5	5.5	8	8.40	8	1/8-28	11/32	5.5	1/8	.392	8
	6	10x1.0	8.5	5.5	10	10.40	8	1/8-28	11/32	5.5	1/8	.392	8
L Light	8	10x1.0	8.5	5.5	10	10.40	8	1/8-28	11/32	5.5	1/8	.392	8
	6	10x1.0	8.5	5.5	10	10.40	8	1/8-28	11/32	5.5	1/8	.392	8
	8	12x1.5	10.5	8.5	12	12.53	12	1/4-19	15/32	8.5	1/4	.532	12
	10	14x1.5	12.5	8.5	14	14.53	12	1/4-19	15/32	8.5	1/4	.532	12
	12	16x1.5	14.5	8.5	16	16.53	12	3/8-19	19/32	8.5	3/8	.670	12
S Heavy	15	18x1.5	16.5	8.5	18	18.53	12	1/2-14	3/4	8.5	1/2	.839	14
	18	22x1.5	20.5	10.5	22	22.65	14	1/2-14	3/4	10.5	1/2	.839	14
	6	12x1.5	10.5	8.5	12	12.53	12	1/4-19	15/32	8.5	1/4	.532	12
	8	14x1.5	12.5	8.5	14	14.53	12	1/4-19	15/32	8.5	1/4	.532	12
	10	16x1.5	14.5	8.5	16	16.53	12	3/8-19	19/32	8.5	3/8	.670	12
	12	18x1.5	16.5	8.5	18	18.53	12	3/8-19	19/32	8.5	3/8	.670	12
	14	20x1.5	18.5	10.5	20	20.65	14	1/2-14	3/4	10.5	1/2	.839	14
	16	22x1.5	20.5	10.5	22	22.65	14	1/2-14	3/4	10.5	1/2	.839	14

## Metric Stand Pipe Assembly

A metric stand pipe assembly is comprised of three components attached to a male fitting. The components are: a Stand Pipe Tube, Bite Sleeve and Metric Nut. The nut is placed over the Stand Pipe, followed by the Bite Sleeve (see illustration below). For DIN light assemblies, a DIN light metric nut is used. For DIN heavy assemblies, a DIN heavy metric nut is used. The Bite Sleeve and Stand Pipe are selected on the basis of tube O.D.



Metric Stand Pipe DIN Tube O.D. (mm)	Bite Sleeve DIN Tube O.D. (mm)	Metric Nut Thread	
		Light	Heavy
6	6	M12x1.5	—
8	8	M14x1.5	M16x1.5
10	10	M16x1.5	M18x1.5
12	12	M18x1.5	M20x1.5
15	15	M22x1.5	—
16	16	—	M24x1.5
18	18	M26x1.5	—
20	20	—	M30x2.0
22	22	M30x2.0	—
25	25	—	M36x2.0
28	28	M36x2.0	—
30	30	—	M42x2.0
35	35	M45x2.0	—
38	38	—	M52x2.0
42	42	M52x2.0	—



Powering Progress.

gates.com/hydraulics

C39

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Coupling Identification

## Foreign Thread Types (con't.)

### Japanese

There are two popular types of coupling styles in Japan, Japanese Industrial Standard and Komatsu. These couplings look similar to Male JIC and Female JIC Swivel couplings. However there are two major differences: The threads are BSP and the seat angle is only 30° instead of 37° for JIC.

- 1. Japanese Industrial Standard.** Most Japanese equipment uses this type of coupling with a 30° seat and British Standard Pipe Parallel threads. **They are not interchangeable with British couplings, since the flare is not inverted.**
- 2. Komatsu.** All Komatsu equipment uses couplings with a 30° seat and metric fine threads. All flanges are Code 61 or Code 62, except -10 which utilizes a special Komatsu-style flange that does not conform to SAE standard sizing.

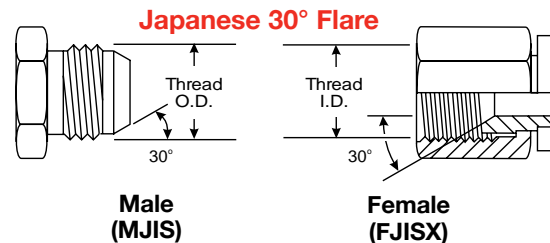
## Japanese 30° Flare Parallel Threads

The Japanese 30° flare male connector will mate with a Japanese 30° flare female only.

The male and female have straight threads and a 30° seat. The seal is made on the 30° seat.

The threads on the Japanese 30° flare connector conform to JIS B 0202, which are the same as the BSPOR threads. Both the British and Japanese connectors have a 30° seat, but they are not interchangeable because the British seat is inverted.

Dash Size	Nominal Size (In.)	Thread Size	Female Thread I.D. (In.)	Male Thread O.D. (In.)
-2	1/8	1/8 - 28	11/32	3/8
-4	1/4	1/4 - 19	7/16	17/32
-6	3/8	3/8 - 19	19/32	21/32
-8	1/2	1/2 - 14	3/4	13/16
-10	5/8	5/8 - 14	13/16	29/32
-12	3/4	3/4 - 14	15/16	1-1/32
-16	1	1 - 11	1-13/16	1-15/16
-20	1-1/4	1-1/4 - 11	1-17/32	1-21/32
-24	1-1/2	1-1/2 - 11	1-25/32	1-7/8
-32	2	2 - 11	2-7/32	2-11/32



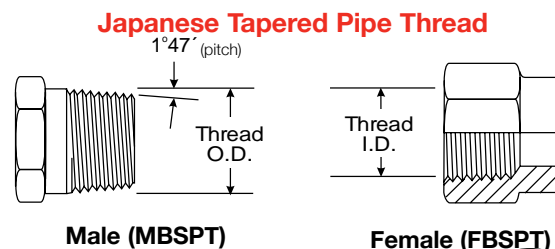
## Japanese Tapered Pipe Thread

The Japanese tapered pipe thread connector is identical to and fully interchangeable with the BSPT (tapered) connector. **The Japanese connector does not have a 30° flare and will not mate with the BSPOR female.**

The threads conform to JIS B 0203, which are the same as BSPT threads.

The seal on the Japanese tapered pipe thread connector is made on the threads.

Dash Size	Nominal Size (In.)	Thread Size	Female Parallel Thread I.D. (In.)	Male Parallel Thread O.D. (In.)
-2	1/8	1/8 - 28	11/32	3/8
-4	1/4	1/4 - 19	7/16	17/32
-6	3/8	3/8 - 19	19/32	21/32
-8	1/2	1/2 - 14	3/4	13/16
-12	3/4	3/4 - 14	15/16	1-1/32
-16	1	1 - 11	1-13/16	1-15/16
-20	1-1/4	1-1/4 - 11	1-17/32	1-21/32
-24	1-1/2	1-1/2 - 11	1-25/32	1-7/8
-32	2	2 - 11	2-7/32	2-11/32
-32	2	2 - 11	2-7/32	2-11/32



# Coupling Identification

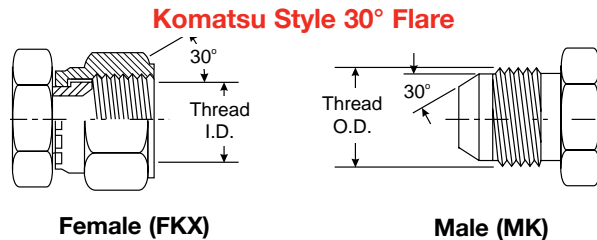
## Foreign Thread Types – Japanese (con't.)

### Komatsu Style 30° Flare Parallel Threads

The Komatsu style 30° flare parallel thread connector is identical to the Japanese 30° flare parallel thread connector except for the threads. The Komatsu style connector uses metric fine threads which conform to JIS B 0207. Gates identifies these as Komatsu-style by marking the hex nuts with two small notches.

Dash Size	Nominal Size		Thread Size	Female Thread I.D. (mm)	Male Thread (O.D.) (mm)
	(In.)	(mm)			
-4	1/4	6.5	M14x1.5	12.5	14
-6	3/8	9.5	M18x1.5	16.5	18
-8	1/2	13	M22x1.5	20.5	22
-10	5/8	16	M24x1.5	22.5	24
-12	3/4	19	M30x1.5	28.5	30
-16	1	25	M33x1.5	31.5	33
-20	1-1/4	32	M36x1.5	34.5	36
-24	1-1/2	38	M42x1.5	40.5	42

The Komatsu style connector seals on the 30° flare.

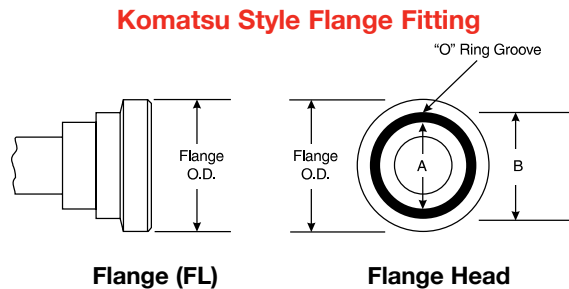


### Komatsu Style Flange Fitting

The Komatsu style flange fitting is nearly identical to and fully interchangeable with the SAE Code 61 flange fitting. In all sizes the O-ring dimensions are different. When replacing a Komatsu style flange with an SAE style flange, an SAE style O-ring must always be used.

Dash Size	Nominal Size		Flange O.D. (In.)	A (In.)	B (In.)
	(In.)	(mm)			
-8	1/2	12.7	1.188	.728	.984
-10*	5/8	15.9	1.345	.728	1.102
-12	3/4	19.1	1.500	.846	1.220
-16	1	25.4	1.750	1.122	1.496
-20	1-1/4	31.8	2.000	1.358	1.732
-24	1-1/2	38.1	2.375	1.750	2.125
-32	2	50.8	2.812	2.225	2.559

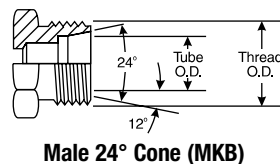
\*(-10 is a non-SAE size flange)



### Metric Kobelco Metric Bite Sleeve

These are similar to the German DIN 24° cone, but the DIN style uses coarser threads. Therefore, the Kobelco and German DIN are not interchangeable for female Kobelco (see French GAZ 24° swivel).

Dash Size	Metric Thread Size	Female Thread I.D. (mm)	Male Thread O.D. (mm)
-22	M30X1.5	28	30
-28	M36X1.5	34	36
-35	M45X1.5	43	45



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



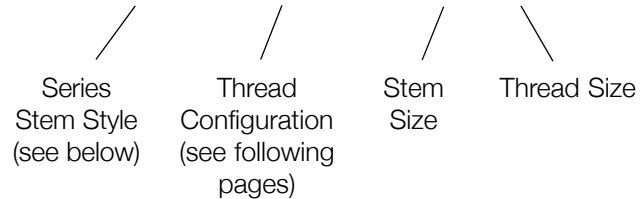
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Gates Global Part Numbering System

Gates couplings feature a meaningful part number that makes coupling identification fast and easy. Always refer to Gates Crimp Data Manual when selecting hose and coupling combinations.

In the following example, the Global Part Number G25100-0808 identifies a MegaCrimp® Male Pipe (MP) coupling with -8 (1/2") stem size and -8 (1/2") thread size.

## G25100-0808



### Series Stem Styles:

- G20—GlobalSpiral™
- G21—GlobalSpiral One-Piece Couplings for MobileCrimp® Crimpers
- G22—GlobalSpiral Plus (GSP)
- G24—GlobalSpiral High (GSH)
- G25—MegaCrimp®
- G27—Field Attachable “Type T” for G1 Hose
- G28—Field Attachable “Type T” for G2 Hose
  
- G34—Field Attachable for C5, C5D, C5M
- G35—Field Attachable for C5E
- G36—Brass Push-on for Lock-on Hose
  
- G40—Couplings for C14 Hose
- G43—GL Couplings
- G45—PolarSeal™ Couplings
- G50—Power Steering
- G51—PCTS Thermoplastic

### Other Non-Stem Series Styles:

- G30—Copper Tubing
- G31—SureLock™ Fittings for Nylon Air Brake Tubing
- G32—Compression Fittings
- G33—Air Brake Fittings for Rubber Hose
  
- G37—Single Bead Brass Couplings
  
- G38—Barbed Stem
- G42—GLP Coupling
- G49—Automotive Adapters
- G52—Clamping Collars
- G55—Copper Tubing Industrial
- G56—SureLok™ Industrial
- G57—Mini Barb
- G58—Compression PVC
- G60—SAE to SAE Adapters
- G62—British to SAE Adapters
- G63—Metric Conversion Adapters
- G64—International to International Adapters
- G65—Japanese Conversion Adapters
- G80—Hose Bend Restrictors
- G81—Hose Guards
- G82 & 83—Springs Guards
- G94 & 95—Quick Disconnects



# Gates Global Part Numbering System

## Thread Configurations for Stem Styles

These three-digit numbers identify the various coupling thread configurations

<b>100</b> — MP	Male Pipe (NPTF - 30° Cone Seat)	<b>177</b> — FJX60	Female JIC 37° Flare Swivel - 60° Bent Tube
<b>101</b> — MPLN	Male Pipe Long Nose	<b>178</b> — FJX60L	Female JIC 37° Flare Swivel - 60° Bent Tube Long Drop
<b>102</b> — MPAPI	Male Pipe for API Unions	<b>179</b> — FJX90S	Female JIC 37° Flare Swivel - 90° Bent Tube Short Drop
<b>103</b> — MPLH	Male Pipe Long Hex	<b>180</b> — FJX90M	Female JIC 37° Flare Swivel - 90° Bent Tube
<b>105</b> — MPX	Male Pipe Swivel (NPTF - Without 30° Cone Seat)	<b>181</b> — FJX90L	Female JIC 37° Flare Swivel - 90° Bent Tube Long Drop
<b>106</b> — MPX90	Male Pipe Swivel - 90° Block (NPTF - Without 30° Cone Seat)	<b>182</b> — FJX90XL	Female JIC 37° Flare Swivel - 90° Bent Tube Extra Long Drop
<b>107</b> — MPX90L	Male Pipe Swivel - 90° Block Long (NPTF - Without 30° Cone Seat)	<b>183</b> — FJX90-000	Female JIC 37° Flare Swivel - 90° Bent Tube Non-ISO Drop (mm)
<b>110</b> — FP	Female Pipe (NPTF - Without 30° Cone Seat)	<b>185</b> — FJXP	Female JIC 37° Flare Swivel Under Pressure
<b>111</b> — FPX	Female Pipe Swivel (NPSM - 30° Cone Seat)	<b>187</b> — FJX90BLK	Female JIC 37° Flare Swivel - 90° Block
<b>112</b> — FPXT	Female Pipe Swivel Tapered Threads (NPTF)	<b>195</b> — MS	Male SAE 45° Flare
<b>120</b> — MB	Male O-Ring Boss	<b>196</b> — MS45	Male SAE 45° Flare - 45° Bent Tube
<b>121</b> — MBX	Male O-Ring Boss Swivel	<b>197</b> — MS90	Male SAE 45° Flare - 90° Bent Tube
<b>122</b> — MBX45	Male O-Ring Boss Swivel - 45° Block	<b>199</b> — MS90BLK	Male SAE 45° Flare - 90° Block
<b>123</b> — MBX90	Male O-Ring Boss Swivel - 90° Block	<b>200</b> — FSX	Female SAE 45° Flare Swivel
<b>124</b> — MBX90L	Male O-Ring Boss Swivel - 90° Block Long	<b>201</b> — FSXLT	Female SAE 45° Flare Swivel Long Tube
<b>130</b> — MBAX	Male O-Ring Boss Adapterless Swivel	<b>202</b> — FSX45	Female SAE 45° Flare Swivel - 45° Bent Tube
<b>133</b> — MBAX45	Male O-Ring Boss Adapterless Swivel - 45° Bent Tube	<b>203</b> — FSX45L	Female SAE 45° Flare Swivel - 45° Bent Tube Long Drop
<b>134</b> — MBAX90M	Male O-Ring Boss Adapterless Swivel - 90° Bent Tube Medium Drop	<b>204</b> — FSX90S	Female SAE 45° Flare Swivel - 90° Bent Tube Short Drop
<b>135</b> — MBAX90S	Male O-Ring Boss Adapterless Swivel - 90° Bent Tube Short Drop	<b>205</b> — FSX90	Female SAE 45° Flare Swivel - 90° Bent Tube
<b>136</b> — MBAX90L	Male O-Ring Boss Adapterless Swivel - 90° Bent Tube Long Drop	<b>206</b> — FSX90L	Female SAE 45° Flare Swivel - 90° Bent Tube Long Drop
<b>140</b> — FMX	Female MegaSeal® Swivel	<b>207</b> — FSX90XL	Female SAE 45° Flare Swivel - 90° Bent Tube Extra Long Drop
<b>141</b> — FMXL	Female MegaSeal Swivel Long	<b>210</b> — FJSX	Dual Seat Female JIC 37°/SAE 45° Flare Swivel
<b>142</b> — FMX30	Female MegaSeal Swivel - 30° Bent Tube	<b>211</b> — FJSX45	Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube
<b>143</b> — FMX30L	Female MegaSeal Swivel - 30° Bent Tube Long Drop	<b>212</b> — FJSX90	Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube
<b>144</b> — FMX45S	Female MegaSeal Swivel - 45° Bent Tube Short Drop	<b>213</b> — FJSX90L	Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube Long Drop
<b>145</b> — FMX45	Female MegaSeal Swivel - 45° Bent Tube	<b>225</b> — MFFOR	Male Flat-Face O-Ring
<b>146</b> — FMX45L	Female MegaSeal Swivel - 45° Bent Tube Long Drop	<b>226</b> — MFFORBKHDN	Male Flat-Face O-Ring Bulkhead Long Nose
<b>147</b> — FMX60	Female MegaSeal Swivel - 60° Bent Tube	<b>229</b> — FFORXS	Female Flat-Face O-Ring Swivel Short
<b>148</b> — FMX60L	Female MegaSeal Swivel - 60° Bent Tube Long Drop	<b>230</b> — FFORX	Female Flat-Face O-Ring Swivel
<b>149</b> — FMX90S	Female MegaSeal Swivel - 90° Bent Tube Short Drop	<b>231</b> — FFORXL	Female Flat-Face O-Ring Swivel Long
<b>150</b> — FMX90	Female MegaSeal Swivel - 90° Bent Tube	<b>234</b> — FFORX45S	Female Flat-Face Swivel - 45° Bent Tube Short Drop
<b>151</b> — FMX90L	Female MegaSeal Swivel - 90° Bent Tube Long Drop	<b>235</b> — FFORX45	Female Flat-Face Swivel - 45° Bent Tube
<b>152</b> — FMX90XL	Female MegaSeal Swivel - 90° Bent Tube Extra Long Drop	<b>239</b> — FFORX90S	Female Flat-Face Swivel - 90° Bent Tube Short Drop
<b>165</b> — MJ	Male JIC 37° Flare	<b>240</b> — FFORX90M	Female Flat-Face Swivel - 90° Bent Tube
<b>166</b> — MJL	Male JIC 37° Flare Long	<b>241</b> — FFORX90L	Female Flat-Face Swivel - 90° Bent Tube Long Drop
<b>167</b> — MJ90BLK	Male JIC 37° Flare - 90° Block	<b>242</b> — FFORX90XL	Female Flat-Face Swivel - 90° Bent Tube Extra Long Drop
<b>170</b> — FJX	Female JIC 37° Flare Swivel	<b>248</b> — FFORX135	Female Flat-Face Swivel - 135° Bent Tube
<b>171</b> — FJXL	Female JIC 37° Flare Swivel Long	<b>300</b> — FL	Code 61 O-Ring Flange
<b>172</b> — FJX30	Female JIC 37° Flare Swivel - 30° Bent Tube	<b>301</b> — FLL	Code 61 O-Ring Flange Long
<b>173</b> — FJX30L	Female JIC 37° Flare Swivel - 30° Bent Tube Long Drop	<b>302</b> — FL22	Code 61 O-Ring Flange - 22-1/2° Bent Tube
<b>174</b> — FJX45S	Female JIC 37° Flare Swivel - 45° Bent Tube Short Drop	<b>304</b> — FL30	Code 61 O-Ring Flange - 30° Bent Tube
<b>175</b> — FJX45	Female JIC 37° Flare Swivel - 45° Bent Tube	<b>305</b> — FL30L	Code 61 O-Ring Flange - 30° Bent Tube Long Drop
<b>176</b> — FJX45L	Female JIC 37° Flare Swivel - 45° Bent Tube Long Drop		



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





# Gates Global Part Numbering System

## Thread Configurations – continued

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

<b>306</b> —FL45S Drop	Code 61 O-Ring Flange - 45° Bent Tube Short Drop	<b>452</b> —TBFL45	Two Bolt Flange (Code 61) - 45° Bent Tube
<b>307</b> —FL45	Code 61 O-Ring Flange - 45° Bent Tube	<b>454</b> —TBFL90	Two Bolt Flange (Code 61) - 90° Bent Tube
<b>309</b> —FL60	Code 61 O-Ring Flange - 60° Bent Tube	<b>460</b> —ABC	Air Brake Compression
<b>310</b> —FL60L	Code 61 O-Ring Flange - 60° Bent Tube Long Drop	<b>461</b> —STA	Straight Tube Assembly
<b>311</b> —FL67	Code 61 O-Ring Flange - 67-1/2° Bent Tube	<b>470</b> —FPFL	French Poclairn Flange
<b>312</b> —FL67L	Code 61 O-Ring Flange - 67-1/2° Bent Tube Long Drop	<b>500</b> —MIX	SAE Male Inverted Swivel
<b>313</b> —FL90XS	Code 61 O-Ring Flange - 90° Bent Tube Extra Short Drop	<b>501</b> —MIXL	SAE Male Inverted Swivel Long
<b>314</b> —FL90S	Code 61 O-Ring Flange - 90° Bent Tube Short Drop	<b>502</b> —MIX45	SAE Male Inverted Swivel - 45° Bent Tube
<b>315</b> —FL90	Code 61 O-Ring Flange - 90° Bent Tube	<b>504</b> —MIX90	SAE Male Inverted Swivel - 90° Bent Tube
<b>316</b> —FL90L	Code 61 O-Ring Flange - 90° Bent Tube Long Drop	<b>506</b> —MIX120	SAE Male Inverted Swivel - 120° Bent Tube
<b>317</b> —FL90XL	Code 61 O-Ring Flange - 90° Bent Tube Extra Long Drop	<b>508</b> —FI	Female Inverted
<b>318</b> —FL90XXL	Code 61 O-Ring Flange - 90° Bent Tube Extra Extra Long Drop	<b>510</b> —MFA	SAE Male Flareless Assembly
<b>323</b> —FL100	Code 61 O-Ring Flange - 100° Bent Tube	<b>511</b> —MFA90	SAE Male Flareless - 90° Bent Tube
<b>325</b> —FL110	Code 61 O-Ring Flange - 110° Bent Tube	<b>520</b> —SP	Stand Pipe
<b>327</b> —FL120	Code 61 O-Ring Flange - 120° Bent Tube	<b>521</b> —SPL	Stand Pipe Long
<b>329</b> —FL125	Code 61 O-Ring Flange - 125° Bent Tube	<b>522</b> —SP45	Stand Pipe - 45° Bent Tube
<b>331</b> —FL135	Code 61 O-Ring Flange - 135° Bent Tube	<b>524</b> —SP90	Stand Pipe - 90° Bent Tube
<b>342</b> —RFL905	Reuseable Flange - 90° Special	<b>527</b> —FBO	Female Braze-On Stems
<b>350</b> —FLH	Code 62 O-Ring Flange Heavy	<b>530</b> —PL	Male Press-Loc Stems
<b>351</b> —FLHL	Code 62 O-Ring Flange Heavy Long	<b>531</b> —PL45	Male Press-Loc Stems - 45° Bent Tube
<b>352</b> —FLH22	Code 62 O-Ring Flange Heavy - 22-1/2° Bent Tube	<b>532</b> —PL90	Male Press-Loc Stems - 90° Bent Tube
<b>354</b> —FLH30	Code 62 O-Ring Flange Heavy - 30° Bent Tube	<b>535</b> —HLE	Hose Length Extender
<b>357</b> —FLH45	Code 62 O-Ring Flange Heavy - 45° Bent Tube	<b>536</b> —HLE45	Hose Length Extender - 45° Bent Tube
<b>358</b> —FLH45L	Code 62 O-Ring Flange Heavy - 45° Bent Tube Long Drop	<b>537</b> —HLE 90	Hose Length Extender - 90° Bent Tube
<b>359</b> —FLH60	Code 62 O-Ring Flange Heavy - 60° Bent Tube	<b>538</b> —HLESG	Hose Length Extender - Sight Glass
<b>361</b> —FLH67	Code 62 O-Ring Flange Heavy - 67-1/2° Bent Tube	<b>539</b> —HLET	Hose Length Extender - Tee
<b>364</b> —FLH90S	Code 62 O-Ring Flange Heavy - 90° Bent Tube Short Drop	<b>540</b> —FABX	Female Air Brake Swivel
<b>365</b> —FLH90	Code 62 O-Ring Flange Heavy - 90° Bent Tube	<b>541</b> —HLE180	Hose Length Extender - 180° Bent Tube
<b>366</b> —FLH90L	Code 62 O-Ring Flange Heavy - 90° Bent Tube Long Drop	<b>543</b> —TBFLX	Two Bolt Flange Swivel
<b>367</b> —FLH90XL	Code 62 O-Ring Flange Heavy - 90° Bent Tube Extra Long Drop	<b>560</b> —MPG	Male Special Grease Fitting
<b>370</b> —FLFF	Flange Without O-Ring Groove (Code 62)	<b>561</b> —FG	Female Special Grease Fitting
<b>400</b> —FLC	Caterpillar Style O-Ring Flange (Code 62)	<b>562</b> —FZX	Parker Triple Thread Female Swivel
<b>401</b> —FLCL	Caterpillar Style O-Ring Flange (Code 62) Long	<b>563</b> —PWX	Pressure Washer Swivel (Karcher)
<b>402</b> —FLC22	Caterpillar Style O-Ring Flange (Code 62) - 22-1/2° Bent Tube	<b>564</b> —BJF	Banjo (Ford Tractor)
<b>404</b> —FLC30	Caterpillar Style O-Ring Flange (Code 62) - 30° Bent Tube	<b>570</b> —MST	Male SAE 45° Flare - Straight Tube
<b>407</b> —FLC45	Caterpillar Style O-Ring Flange (Code 62) - 45° Bent Tube	<b>571</b> —MST45	Male SAE 45° Flare - 45° Bent Tube
<b>409</b> —FLC60	Caterpillar Style O-Ring Flange (Code 62) - 60° Bent Tube	<b>572</b> —MST90	Male SAE 45° Flare - 90° Bent Tube
<b>411</b> —FLC67	Caterpillar Style O-Ring Flange (Code 62) - 67-1/2° Bent Tube	<b>579</b> —FTON134SP45	Female SAE Tube O-Ring Nut Swivel w/R134A Service Port - 45° Bent Tube
<b>415</b> —FLC90	Caterpillar Style O-Ring Flange (Code 62) - 90° Bent Tube	<b>580</b> —MTON134SP	Male SAE Tube O-Ring Nut w/R134a Service Port
<b>416</b> —FLC90L	Caterpillar Style O-Ring Flange (Code 62) - 90° Bent Tube Long Drop	<b>581</b> — MTON134SP45	Male SAE Tube O-Ring Nut w/R134a Service Port - 45° Bent Tube
<b>450</b> —TBFL	Two Bolt Flange (Code 61)	<b>582</b> — MTON134SP90	Male SAE Tube O-Ring Nut w/R134a Service Port - 90° Bent Tube
		<b>583</b> — MTON	Male SAE Tube O-Ring Nut
		<b>584</b> — MTON45	Male SAE Tube O-Ring Nut - 45° Bent Tube
		<b>585</b> — MTON90	Male SAE Tube O-Ring Nut - 90° Bent Tube
		<b>586</b> — FTONR12SP	Female SAE Tube O-Ring Nut Swivel w/R12 Service Port
		<b>587</b> — FTONR12SP90	Female SAE Tube O-Ring Nut Swivel w/R12 Service Port- 90° Bent Tube
		<b>588</b> —FTON134SP	Female SAE Tube O-Ring Nut Swivel w/R134a Service Port
		<b>589</b> —FTON134SP90	Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube w/R134a Service Port
		<b>590</b> —FTON	Female SAE Tube O-Ring Nut Swivel
		<b>591</b> —FTON45	Female SAE Tube O-Ring Nut Swivel - 45° Bent Tube



# Gates Global Part Numbering System

## Thread Configurations – continued

<b>592</b> –FTON90	Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube	<b>800</b> –FBSPT	Female British Standard Pipe Tapered / Japanese Tapered Thread
<b>593</b> –FTOMN	Female SAE Tube O-Ring Metric Nut Swivel	<b>810</b> –MBSPP	Male British Standard Pipe Parallel
<b>594</b> –FTOMN45	Female SAE Tube O-Ring Metric Nut Swivel - 45° Bent Tube	<b>811</b> –MBSPLPN	Male British Standard Pipe Parallel Long Nose
<b>595</b> –FTOMN90	Female SAE Tube O-Ring Metric Nut Swivel - 90° Bent Tube	<b>830</b> –FBSPORX	Female British Standard Parallel Pipe O-Ring Swivel
<b>596</b> –FTON90BL Block	Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube	<b>831</b> –FBSPORX45	Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube
<b>597</b> –MIO	Male Inverted O-Ring	<b>832</b> –FBSPORX90	Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube
<b>598</b> –MIO45	Male Inverted O-Ring - 45° Bent Tube	<b>845</b> –FBSPORX90BL	Female British Standard Parallel Pipe O-Ring Swivel - 90° Block
<b>599</b> –MIO90	Male Inverted O-Ring - 90° Bent Tube	<b>847</b> –FBX90BLK	Female British Standard Pipe Parallel - 90° Block
<b>600</b> –MIOBKHD	Male Inverted O-Ring Bulkhead	<b>850</b> –BSPBJ	BSPP Banjo
<b>601</b> –MIOBKHD45	Male Inverted O-Ring Bulkhead - 45° Bent Tube	<b>855</b> –FBFFX	Female British Flat-Face Swivel
<b>602</b> –MIOBKHD90	Male Inverted O-Ring Bulkhead - 90° Bent Tube	<b>904</b> –MK	Male Komatsu
<b>604</b> –FTDON	Female Tube Dual O-Ring Nut Swivel	<b>910</b> –FKX	Female Komatsu Style Japanese Metric Swivel
<b>605</b> –FTDON45	Female Tube Dual O-Ring Nut Swivel - 45° Bent Tube	<b>911</b> –FKX45	Female Komatsu Style Japanese Metric Swivel - 45° Bent Tube
<b>606</b> –FTDON90	Female Tube Dual O-Ring Nut Swivel - 90° Bent Tube	<b>913</b> –FKX90	Female Komatsu Style Japanese Metric Swivel - 90° Bent Tube
<b>607</b> –FTDOMN	Female Tube Dual O-Ring Metric Nut Swivel	<b>930</b> –FJISX	Female Japanese Industrial Standard Swivel
<b>608</b> –FTDOMN45	Female Tube Dual O-Ring Metric Nut Swivel - 45° Bent Tube	<b>935</b> –MMFA	Male Metric Flareless Assembly
<b>609</b> –FTDOMN90	Female Tube Dual O-Ring Metric Nut Swivel - 90° Bent Tube	<b>947</b> –FSLTORSP	Female (Ford) Spring Lock "T" O-Ring Splicer
<b>610</b> –FTON180	Female Tube O-Ring Nut Swivel 180°	<b>948</b> –FSLSP	Female (Ford) Spring Lock Liquid Line Splicer
<b>611</b> –MIO134SP	Male Inverted O-Ring w/R134a Service Port	<b>949</b> –MSL45	Male (Ford) Spring Lock - 45° Bent Tube
<b>612</b> –MIO134SP45	Male Inverted O-Ring Bulkhead w/R134a Service Port - 45° Bent Tube	<b>950</b> –MSL	Male (Ford) Spring Lock
<b>613</b> –MIO134SP90	Male Inverted O-Ring w/R134a Service Port - 90° Bent Tube	<b>951</b> –MSL90	Male (Ford) Spring Lock - 90° Bent Tube
<b>614</b> –TORSP	Universal T-Splacers English Threads	<b>952</b> –FSL	Female (Ford) Spring Lock
<b>615</b> –MDL	Male DIN Light Series 24° Inverted Cone	<b>953</b> –FSL90	Female (Ford) Spring Lock - 90° Bent Tube
<b>645</b> –FDLORX	Female DIN Light Series O-Ring Swivel 24° Cone	<b>954</b> –R12SP Port	Hose Splicer w/R12 7/16-20 Thread Service Port
<b>650</b> –FDLORX45	Female DIN Light Series O-Ring Swivel 24° Cone - 45° Bent Tube	<b>955</b> –FSL45	Female (Ford) Spring Lock - 45° Bent Tube
<b>655</b> –FDLORX90	Female DIN Light Series O-Ring Swivel 24° Cone - 90° Bent Tube	<b>956</b> –R134SP	Hose Splicer w/R134A Service Port
<b>670</b> –FDFFX	Female DIN Flat-Face Swivel	<b>957</b> –R134SPRL	Female Rotalok w/R134a Service Port - 90° Block
<b>675</b> –MFG	Male French GAZ	<b>958</b> –CFTON90	Compressor Female Tube O-Ring Nut - 90° Bent Tube
<b>680</b> –FFGX	Female French GAZ Swivel	<b>959</b> –CFTON90BL	Compressor Female Tube O-Ring Nut - 90° Block
<b>685</b> –FFGX45	Female French GAZ Swivel - 45° Bent Tube	<b>960</b> –CFTON134SP90BL	Compressor Female Tube O-Ring Nut w/ R134A Service Port - 90° Block
<b>690</b> –FFGX90	Female French GAZ Swivel - 90° Bent Tube	<b>961</b> –CBSR12SP90	Compressor Pad Block - Single With Switch or Service Port
<b>715</b> –MDH	Male DIN Heavy Series 24° Inverted Cone	<b>962</b> –CBSRR12SP90	Compressor Pad Block - Single Reversed With Switch or Service Port
<b>720</b> –FDHORX	Female DIN Heavy Series O-Ring Swivel 24° Cone		
<b>725</b> –FDHORX45	Female DIN Heavy Series O-Ring Swivel 24° Cone - 45° Bent Tube		
<b>730</b> –FDHORX90	Female DIN Heavy Series O-Ring Swivel 24° Cone - 90° Bent Tube		
<b>735</b> –MKB	Metric Kobelco		
<b>750</b> –MSP	Metric Stand Pipe		
<b>751</b> –MSP45	Metric Stand Pipe - 45° Bent Tube		
<b>752</b> –MSP90	Metric Stand Pipe - 90° Bent Tube		
<b>795</b> –MBSPT	Male British Standard Pipe Tapered /		

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





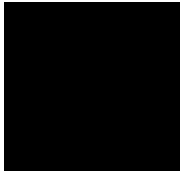
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Gates Global Part Numbering System

## Air Brake

In the following example, the Global Part Number G31100-0808 identifies a SureLok™ Male Pipe (MP) coupling with -8 (1/2") tube size and -8 (1/2") thread size.

# G 31 1 0 0 - 0 8 0 8



Thread Size (1/2")

Stem Size (1/2")

Thread Configuration (see below)

Series Stem Style (see below)

### Series Stem Styles:

- G31**— SureLok™ Fittings (Description = AB)
- G32**— Compression Fittings (Description = ABC)
- G33**— Air Brake Fittings for Rubber Hose (Description = ABR)

### Thread Configurations

These three-digit numbers identify the various coupling thread configurations

021 — MP-ATDV	Air Tank Drain Valve	302 — AB-AB-BKHDL	Air Brake Bulkhead – Long
027 — MP-CV	One Way Check Valve	350 — AB-MFA-BKHD	Air Brake to Male Flareless Assembly Bulkhead
030 — MAB-MP	Air Brake Adapter	360 — AB-FP-BKHD	Air Brake to Female Pipe Bulkhead
031 — GH	Glad Hand	377 — AB-GH-BKHD	Air Brake to Glad Hand Bulkhead
032 — GHS	Gladhand Seal	400 — AB-AB	Air Brake Union
040 — TSI-AB	Tube Sleeve Insert	404 — AB-AB90	Air Brake Union - 90°
050 — TS-AB	Tube Sleeve	450 — AB-AB-AB	Air Brake Union - Tee
060 — TSN-AB	Tube Sleeve Nut	451 — AB-AB-AB	Air Brake Union - Tee Jump UP
061 — SGN-ABR	Spring Guard Nut	452 — AB-AB-AB	Air Brake Union - Tee Jump DOWN
100 — AB-MP	Air Brake to Male Pipe (NPTF - 30° Cone Seat)	453 — AB-AB-AB	Air Brake Union - Tee with Bracket
102 — AB-MP45	Air Brake to Male Pipe - 45°	601 — AB-MP-TV	Air Brake to Male Pipe Truck Valve - 90°
104 — AB-MP90	Air Brake to Male Pipe - 90°	602 — MP-ABC-TV	Male Pipe to Air Brake Truck Valve - 90°
105 — AB-MP-Port90	Air Brake to Male Pipe - 90° with Port	610 — MP-MS90-TV	Male Pipe to Male SAE 45° Flare Truck Valve - 90°
110 — ABRSG-MP	Air Brake to Male Pipe with Spring Guard	612 — MS-MP90-TV	Male SAE 45° Flare to Male Pipe Truck Valve - 90°
111 — ABRI-MP	Air Brake to Male Pipe without Nut	620 — SB-MP90-TV	Single Bead Male Pipe Truck Valve - 90°
112 — SGABR	Air Brake Spring Guard	622 — SB-MP90-TVP	Single Bead Male Pipe Truck Valve with Pin Handle - 90°
122 — AB-MPX45	Air Brake to Male Pipe Swivel - 45°	630 — FP-MP90-TV	Female Pipe to Male Pipe Truck Valve - 90°
124 — AB-MPX90	Air Brake to Male Pipe Swivel - 90°	650 — MP-FP-FP3WTV	3-Way Truck Valve
130 — MP-AB-AB	Male Pipe to Air Brake - Tee	655 — FP-FP-FP4WTV	4-Way Truck Valve – Short Handle
131 — MP-AB-AB	Male Pipe to Air Brake - Tee Jump UP	656 — FP-FP-FP4WTV-L	4-Way Truck Valve – Long Handle
132 — MP-AB-AB	Male Pipe to Air Brake - Tee Jump DOWN	701 — MFA-MFASC	Male Flareless Assembly to Male Flareless Assembly Shut-Off Cock
134 — AB-AB-MP	Air Brake to Male Pipe - Tee		Male Flareless Assembly to Male Pipe Shut-Off Cock
135 — AB-AB-MP	Air Brake to Male Pipe - Tee Jump UP	705 — MFA-MPSC	Male Pipe to Female Pipe Shut-Off Cock
136 — AB-AB-MP	Air Brake to Male Pipe - Tee Jump DOWN	710 — MP-FPSC	Female Pipe to Female Pipe Shut-Off Cock
138 — AB-AB-MP45	Air Brake to Male Pipe - Tee - 45°	715 — FP-FPSC	Male SAE 45° Flare to Male Pipe Shut-Off Cock
140 — MPX-AB-AB	Male Pipe Swivel to Air Brake - Tee	720 — MS-MPSC	Male SAE 45° Flare to Male SAE 45° Flare Shut-Off Cock
142 — AB-AB-MPX	Air Brake to Male Pipe Swivel - Tee	730 — MS-MSSC	Male Pipe Air Drain Cock
150 — AB-FP	Air Brake to Female Pipe		Female Pipe to Male Pipe Air Drain Cock
151 — ABR-FP	Air Brake to Female Pipe with Adapter		Male Pipe Air Drain Cock – Bibb Nose
154 — AB-FP90	Air Brake to Female Pipe - 90°	801 — MP-ADC	Air Tank Valve
160 — AB-AB-FP	Air Brake to Female Pipe - Tee	805 — FP-MPADC	6-Port Manifold
167 — MP-AB-FP	Male Pipe to Air Brake to Female Pipe - Tee	832 — MP-ADCBN	
300 — AB-AB-BKHD	Air Brake Bulkhead	850 — ATNKV	
301 — AB-AB-BKHDS	Air Brake Bulkhead – Short	970 — AB-MAN	



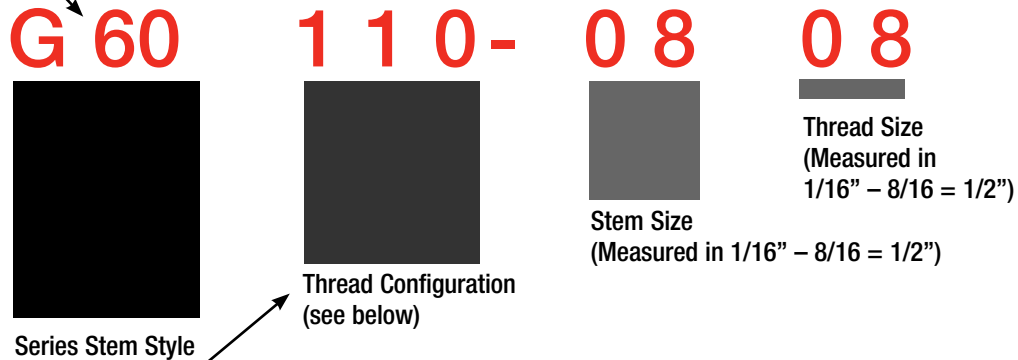
# Gates Global Part Numbering System

## Adapters

In the following example, the Global Part Number G60110-0808 identifies a Male Pipe NPTF (MP) to Male Pipe NPTF (MP) adapter with -8 (1/2") pipe thread and -8 (1/2") pipe thread size. **Meets SAE100R2 working pressures except where noted.**

### Series Stem Styles:

G60—SAE to SAE    G62—British to SAE    G63—Metric to SAE    G64—International to International    G65—Japanese Conversion



### Thread Configurations

These three-digit numbers identify the various coupling thread configurations

#### SAE to SAE

- 60050—FFN Female Flareless Nut
- 60051—FFS Female Flareless Sleeve
- 60102—MP-PLUG Male Pipe NPTF Plug
- 60110—MP-MP Male Pipe NPTF to Male Pipe NPTF
- 60115—MP-MP90 Male Pipe NPTF to Male Pipe NPTF - 90°
- 60130—MP-FPS Male Pipe NPTF to Female Pipe NPTF Reducer Bushing - Short
- 60132—MP-FPL Male Pipe NPTF to Female Pipe NPTF Increasing Bushing - Long
- 60136—MP-FP90 Male Pipe NPTF to Female Pipe NPTF - 90°
- 60140—MP-FPX Male Pipe NPTF to Female Pipe Swivel NPSM
- 60142—MP-FPX45 Male Pipe NPTF to Female Pipe Swivel NPSM - 45°
- 60144—MP-FPX90 Male Pipe NPTF to Female Pipe Swivel NPSM - 90°
- 60152—FP-FP Female Pipe NPTF to Female Pipe NPTF
- 60156—FP-FP90 Female Pipe NPTF to Female Pipe NPTF - 90°
- 60160—FP-FPX Female Pipe NPTF to Female Pipe Swivel NPSM
- 60162—FP-FPX45 Female Pipe NPTF to Female Pipe Swivel NPSM - 45°
- 60164—FP-FPX90 Female Pipe NPTF to Female Pipe Swivel NPSM - 90°
- 60181—FP-FP-FP Female Pipe NPTF - Tee
- 60183—FP-FP-MP Female Pipe NPTF on Run to Male Pipe NPTF - Tee
- 60184—FPX-FPX-FPX Female Pipe Swivel NPSM - Tee
- 60186—FPX-FPX-MP Female Pipe Swivel NPSM on Run to Male Pipe NPTF - Tee
- 60248—OR O-Rings for Straight Thread Boss Fittings
- 60250—MB-PLUG Male O-Ring Boss Plug
- 60275—MB-FP Male O-Ring Boss to Female Pipe NPTF
- 60285—MB-FPX Male O-Ring Boss to Female Pipe Swivel NPTF
- 60287—MB-FPX45 Male O-Ring Boss to Female Pipe Swivel NPTF - 45°
- 60289—MB-FPX90 Male O-Ring Boss to Female Pipe Swivel NPTF - 90°
- 60291—FB-MP Female O-Ring Boss to Male Pipe NPTF
- 60301—MB-MJ Male O-Ring Boss to Male JIC 37° Flare
- 60308—MB-MJ45 Male O-Ring Boss to Male JIC 37° Flare - 45°
- 60312—MB-MJ90 Male O-Ring Boss to Male JIC 37° Flare - 90°
- 60350—MJ-MJ-MB Male JIC 37° Flare on Run to Male O-Ring Boss - Tee
- 60352—MB-MJ-MJ Male O-Ring Boss to Male JIC 37° Flare to Male JIC 37° Flare - Tee
- 60394—TS Tube Sleeve
- 60395—TSN Tube Sleeve Nut
- 60399—LN Locknuts for Bulkhead Fittings
- 60401—FJ-CAP Female JIC 37° Flare Cap
- 60402—MJ-PLUG Male JIC 37° Flare Plug
- 60405—MJ-FBO Male JIC 37° Flare to Female Braze-On

- 60410—MJ-MJ Male JIC 37° Flare to Male JIC 37° Flare
- 60420—MJ-FJ Male JIC 37° Flare to Female JIC 37° Flare
- 60422—MJ-FJX Male JIC 37° Flare to Female JIC 37° Flare Swivel
- 60424—MJ-FJX45 Male JIC 37° Flare to Female JIC 37° Flare - 45°
- 60445—MJ-BKHD Male JIC 37° Flare to Male JIC 37° Flare Bulkhead
- 60446—MJ-BKHD45 Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - 45°
- 60447—MJ-BKHD90 Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - 90°
- 60469—MJ-MJ-MJ Male JIC 37° Flare - Tee
- 60470—MJ-MJ-FJX Male JIC 37° Flare on Run to Female JIC 37° Flare Swivel - Tee
- 60471—MJ-MJ-MJBKHD Male JIC 37° Flare on Run to Male JIC 37° Flare Bulkhead - Tee
- 60472—MJ-MJBKHD-MJ Male JIC 37° Flare to Male JIC 37° Flare Bulkhead to Male JIC 37° Flare - Tee
- 60473—MJ-FJX-MJ Male JIC 37° Flare to Female JIC 37° Flare Swivel to Male JIC 37° Flare - Tee
- 60490—MJ-MP Male JIC 37° Flare to Male Pipe NPTF
- 60497—MJ-MP45 Male JIC 37° Flare to Male Pipe NPTF - 45°
- 60499—MJ-MP90 Male JIC 37° Flare to Male Pipe NPTF - 90°
- 60510—MJ-FP Male JIC 37° Flare to Female Pipe NPTF
- 60514—MJ-FP90 Male JIC 37° Flare to Female Pipe NPTF - 90°
- 60520—FJX-MP Female JIC 37° Flare Swivel to Male Pipe NPTF
- 60524—FJX-MP90 Female JIC 37° Flare Swivel to Male Pipe NPTF - 90°
- 60530—FJX-FP Female JIC 37° Flare Swivel to Female Pipe NPTF
- 60541—MJBKHD-MP Male JIC 37° Flare Bulkhead to Male Pipe NPTF
- 60551—MJ-MJ-MP Male JIC 37° Flare on Run to Male Pipe NPTF - Tee
- 60650—MS-MP Male SAE 45° Flare to Male Pipe NPTF - Brass
- 60654—MS-MP90 Male SAE 45° Flare to Male Pipe NPTF - Brass - 90°
- 60660—MS-FP Male SAE 45° Flare to Female Pipe NPTF - Brass
- 60664—MS-FP90 Male SAE 45° Flare to Female Pipe NPTF - Brass - 90°
- 60698—ORFF O-Rings for Flat Face Fittings
- 60701—FF-CAP Female Flat-Face O-Ring Cap
- 60702—MFFOR-PLUG Male Flat-Face O-Ring Plug
- 60724—MFFOR-FFORX90 Male Flat-Face O-Ring to Female Flat-Face Swivel-90°
- 60742—MFFOR-MFFOR-FFORX Male Flat-Face O-Ring on Run to Female Flat-Face Swivel - Tee
- 60770—MFFOR-MP Male Flat-Face O-Ring to Male Pipe NPTF
- 60800—MFFOR-MB Male Flat-Face O-Ring to Male O-Ring Boss
- 60801—MFFOR-MBL Male Flat-Face O-Ring to Male O-Ring Boss - Long
- 60805—MFFOR-MB45 Male Flat-Face O-Ring to Male O-Ring Boss - 45°

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Gates Global Part Numbering System — Adapters (Continued)

Thread Configurations (Continued)

- 60810** — MFFOR-MB90 Male Flat-Face O-Ring to Male O-Ring Boss – 90°
- 60820** — MFFOR-MFFOR-MB Male Flat-Face O-Ring on Run to Male O-Ring Boss – Tee
- 60821** — MFFOR-MB-MFFOR Male Flat-Face O-Ring to Male O-Ring Boss to Male Flat-Face O-Ring – Tee
- 60880** — FFORX-MJ Female Flat-Face O-Ring Swivel to Male JIC 37° Flare
- 60897** — FL-CAP Code 61 O-Ring Flange Cap
- 60898** — FLOR O-Rings for Code 61, Code 62 and Caterpillar-Style Flange Fittings
- 60899** — CFHS Flange Half Set (Code 61 – SAE J518)
- 60900** — FL-MJ Code 61 O-Ring Flange to Male JIC 37° Flare
- 60901** — FL4K-MJ / FL5K-MJ Code 61 O-Ring Flange to Male JIC 37° Flare High Pressure
- 60905** — FL-MJ45 Code 61 O-Ring Flange to Male JIC 37° Flare–45°
- 60906** — FL4K-MJ45/ FL5K-MJ45 Code 61 O-Ring Flange to Male JIC 37° Flare High Pressure – 45°
- 60910** — FL-MJ90 Code 61 O-Ring Flange to Male JIC 37° Flare–90°
- 60911** — FL4K-MJ90 / FL5K-MJ90 Code 61 O-Ring Flange to Male JIC 37° Flare High Pressure – 90°
- 60915** — FL4K-MFFOR / FL5K-MFFOR Code 61 O-Ring Flange to Male Flat-Face O-Ring High Pressure
- 60920** — FL4K-MFFOR45/ FL5K-MFFOR45 Code 61 O-Ring Flange to Male Flat-Face O-Ring High Pressure– 45°
- 60925** — FL4K-MFFOR90/ FL5K-MFFOR90 Code 61 O-Ring Flange to Male Flat-Face O-Ring High Pressure– 90°
- 60927** — FLH-CAP Code 62 O-Ring Flange Cap
- 60929** — FHHS Flange Half Set (Code 62 – SAE J518)
- 60930** — FLH6K-MJ Code 62 O-Ring Flange Heavy to Male JIC 37° Flare (6,000 PSI)
- 60935** — FLH6K-MJ45 Code 62 O-Ring Flange Heavy to Male JIC 37° Flare – 45° (6,000 PSI)
- 60940** — FLH6K-MJ90 Code 62 O-Ring Flange Heavy to Male JIC 37° Flare - 90° (6,000 PSI)
- 60945** — FLH6K-MFFOR/ FLH6K-MFFOR Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring (6,000 PSI)
- 60950** — FLH4K-MFFOR45/ FLH6K-MFFOR45 Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring - 45° (6,000 PSI)
- 60955** — FLH4K-MFFOR90/ FLH6K-MFFOR90 Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring - 90° (6,000 PSI)
- 60959** — CATFHS Caterpillar-Style Flange Halve Sets

British Conversion to SAE

- 62150** — MBSPT-MJ Male British Standard Pipe Tapered Thread to Male JIC 37° Flare
- 62153** — MBSPT-MJ45 Male British Standard Pipe Tapered Thread to Male JIC 37° Flare – 45°
- 62155** — MBSPT-MJ90 Male British Standard Pipe Tapered Thread to Male JIC 37° Flare – 90°
- 62200** — MBSPP-MP Male British Standard Pipe Parallel to Male Pipe NPTF
- 62220** — MBSPP-FP Male British Standard Pipe Parallel to Female Pipe NPTF
- 62300** — MBSPP-MJ Male British Standard Pipe Parallel to Male JIC 37° Flare
- 62305** — MBSPP-MJ45 Male British Standard Pipe Parallel to Male JIC 37° Flare – 45°
- 62310** — MBSPP-MJ90 Male British Standard Pipe Parallel to Male JIC 37° Flare – 90°
- 62320** — MBSPP-FJX Male British Standard Pipe Parallel to Female JIC 37° Flare Swivel
- 62450** — MBSPPOR-MJ Male British Standard Pipe Parallel with O-Ring to Male JIC 37° Flare
- 62460** — MBSPPOR-MJ90 Male British Standard Pipe Parallel with O-Ring to Male JIC 37° Flare – 90°
- 62470** — MBSPPOR-MFFOR Male British Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring

- 62473** — MBSPPOR-MFFOR45 Male British Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring – 45°
  - 62475** — MBSPPOR-MFFOR90 Male British Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring – 90°
  - 62500** — FBSPP-MP Female British Standard Pipe Parallel to Male Pipe NPTF
  - 62520** — FBSPP-FP Female British Standard Pipe Parallel to Female Pipe NPTF
  - 62550** — FBSPP-MJ Female British Standard Pipe Parallel to Male JIC 37° Flare
  - 62605** — FBSPPX-MP90 Female British Standard Pipe Parallel Swivel to Male Pipe NPTF – 90°
  - 62650** — FBSPPX-MJ Female British Standard Pipe Parallel Swivel to Make JIC 37° Flare
  - 62660** — FBSPPX-FJX Female British Standard Pipe Parallel Swivel to Female JIC 37° Flare Swivel
  - 62750** — FBSPPX-MJ Female British Standard Pipe Parallel Swivel to Male JIC 37° Flare
  - 62801** — FBFFOR-MJ Female British Flat-Face O-Ring to Male JIC 37° Flare
- Metric Conversion**
- 63099** — MM-PLUG Male Metric O-Ring Plug
  - 63120** — MM-FP Male Metric with O-Ring to Female Pipe NPTF
  - 63150** — MM-MJ Male Metric with O-Ring to Male JIC 37° Flare
  - 63160** — MM-MJ90 Male Metric with O-Ring to Male JIC 37° Flare–90°
  - 63350** — MDL-MJ Male DIN 24° Cone – Light Series to Male JIC 37° Flare
  - 63450** — FDLX-MJ Female DIN 24° Cone Swivel – Light Series to Male JIC 37° Flare
  - 63650** — MDH-MJ Male DIN 24° Cone – Heavy Series to Male JIC 37° Flare
  - 63750** — FDHX-MJ Female DIN 24° Cone Swivel – Heavy Series to Male JIC 37° Flare
  - 63980** — MKB-PLUG Male Kobelco Plug
  - 63990** — MKB-MJ Male Kobelco to Male JIC 37° Flare

International to International

- 64075** — BBDS British Bonded Seal
- 64094** — MBSPOR-PLUG Male British Standard Pipe Parallel with O-Ring Plug
- 64095** — ORFBSPP O-Rings for British Standard Parallel Pipe (BSPP Couplings)
- 64097** — FBSPP-CAP Female British Standard Pipe Parallel Cap
- 64098** — MBSPT-PLUG Male British Standard Pipe Tapered Plug
- 64099** — MBSPP-PLUG Male British Standard Pipe Parallel Plug
- 64350** — MBSPP-FBSPPX Male British Standard Pipe Parallel to Female British Standard Pipe Parallel Swivel
- 64775** — MBDS Metric Bonded Seal
- 64780** — ORDINL O-Rings for DIN Light Series (MegaCrimp® and GlobalSpiral™ Couplings)
- 64781** — ORDINH O-Rings for DIN Heavy Series (MegaCrimp® and GlobalSpiral™ Couplings)
- 64782** — ORDIN O-Rings for DIN Heavy Series (PC, PCM & PCS Couplings)
- 64787** — BS Metric Bite Sleeve
- 64788** — MNL Metric Bite Nut – Light
- 64789** — MNH Metric Bite Nut – Heavy
- 64790** — MM-PLUG Male Metric Plug
- 64792** — MDL-PLUG Male DIN 24° Cone – Light Series Plug
- 64793** — FDL-CAP Female DIN 24° Cone – Light Series Cap
- 64794** — MDH-PLUG Male DIN 24° Cone – Heavy Series Plug
- 64795** — FDH-CAP Female DIN 24° Cone – Heavy Series Cap

Japanese Conversion

- 65097** — FJIS-CAP Female Japanese Industrial Standard Cap
- 65099** — MJIS-PLUG Male Japanese Industrial Standard Plug
- 65100** — FJIS-MJ Female Japanese Industrial Standard to Male 37° Flare
- 65597** — FK-CAP Female Komatsu Cap
- 65599** — MK-PLUG Male Komatsu Plug
- 65600** — FK-MJ Female Komatsu to Male JIC 37° Flare
- 65700** — MK-MK Male Komatsu to Male Komatsu
- 65750** — MK-MJ Male Komatsu to Male JIC 37° Flare
- 65800** — MK-FK90 Male Komatsu to Female Komatsu – 90°
- 65950** — MK-FK-MK Male Komatsu to Female Komatsu to Male Komatsu – Tee

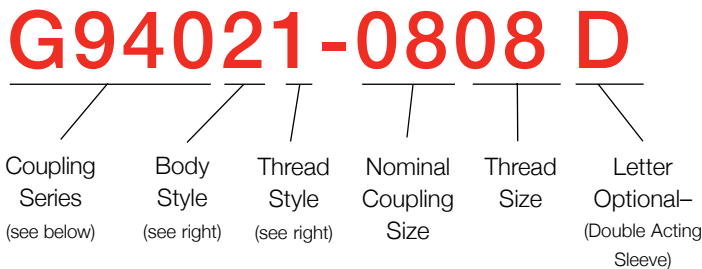


# Gates Global Part Numbering System

## Quick Disconnect Couplers

Gates Quick Disconnect couplers feature a meaningful part number that makes coupling identification fast and easy. Always refer to Gates Cross Reference Charts when selecting a quick disconnect coupler for a competitive interchange.

### G940 Series - Agricultural Standard—Ball Valve



#### Body Style Identification

- 0 Assembly
- 1 Male Tip (Nipple)
- 2 Female Coupler
- 3 Repair Kit
- 5 O-Ring
- 6 Backup Ring
- 8 Dust Plug
- 9 Dust Cap

#### Thread Style

- 0 Not Applicable
- 1 Female Pipe
- 2 Female O-Ring Boss
- 3 Bulkhead Mounts
- 4 Female British Parallel Pipe

#### Miscellaneous

- D Double-Acting Sleeve
- P Connect-Under-Pressure Option

## Coupling Series Identification

- MQBA Male Quick Disconnect Ball Agricultural
- FQBA(DA) Female Quick Disconnect Ball Agricultural (Double Acting Sleeve)

### G941 Series - Agricultural Standard—Poppet Valve

- MQPA Male Quick Poppet Agricultural
- FQPA Female Quick Poppet Agricultural

### G942 Series - John Deere Old Style

- MQBAJD Male Quick Ball Agricultural John Deere
- FQBAJD Female Quick Ball Agricultural John Deere

### G943 Series - International Harvester Old Style

- MQBAIHC Male Quick Ball Agricultural International Harvester

### G944 Series - J.I. Case Old Style

- MQBAJIC Male Quick Ball Agricultural J.I. Case

### G945 Series - Industrial ISO 7241-1—Series B

- MQPI Male Quick Poppet Industrial
- FQPI Female Quick Poppet Industrial

### G949 Series - Flush Face, HTMA

- MQFF Male Quick Flush Face
- CPMQFF Male Quick Disconnect Flush Face (Connect-Under-Pressure)
- FQFF Female Quick Flush Face
- CPFQFF Female Quick Disconnect Flush Face (Connect-Under-Pressure)

### G950 Series - High Pressure Flush Face

- MQFFH Male Quick Flush Face (High Pressure)
- FQFFH Female Quick Flush Face (High Pressure)

### G951 Series - Wing Nut

- MQW Male Quick Wing
- FQW Female Quick Wing

### G952 Series - High Pressure Wing Nut

- MQWH Male Quick Wing (High Pressure)
- FQWH Female Quick Wing (High Pressure)

### G953 Series - Very High Pressure Flush Face

- MQFFVH Male Quick Flush Face (Very High Pressure)
- FQFFVH Female Quick Flush Face (Very High Pressure)

### G956 Series - Industrial ISO 7241-1—Series A

- MQP Male Quick Poppet
- FQP Female Quick Poppet

### G959 Series - Agricultural Adapters

- MJD John Deere Old Style
- MISO ISO Style
- MIHC International Harvester Style

#### Miscellaneous

- DA Double Acting Sleeve
- ISO Industrial Standards Organization
- DP Dust Plug
- DC Dust Cap
- DSO Double Shut Off
- FP Female Pipe
- FB Female O-Ring Boss
- QDAOR G940 Series O-Ring for Female Coupler
- QDIBR G945 Series Backup Ring for Female Coupler
- QDIOR G945 Series O-Ring for Female Coupler
- QDOR G956 Series O-Ring for Female Coupler
- QDBR G956 Series Backup Ring for Female Coupler

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



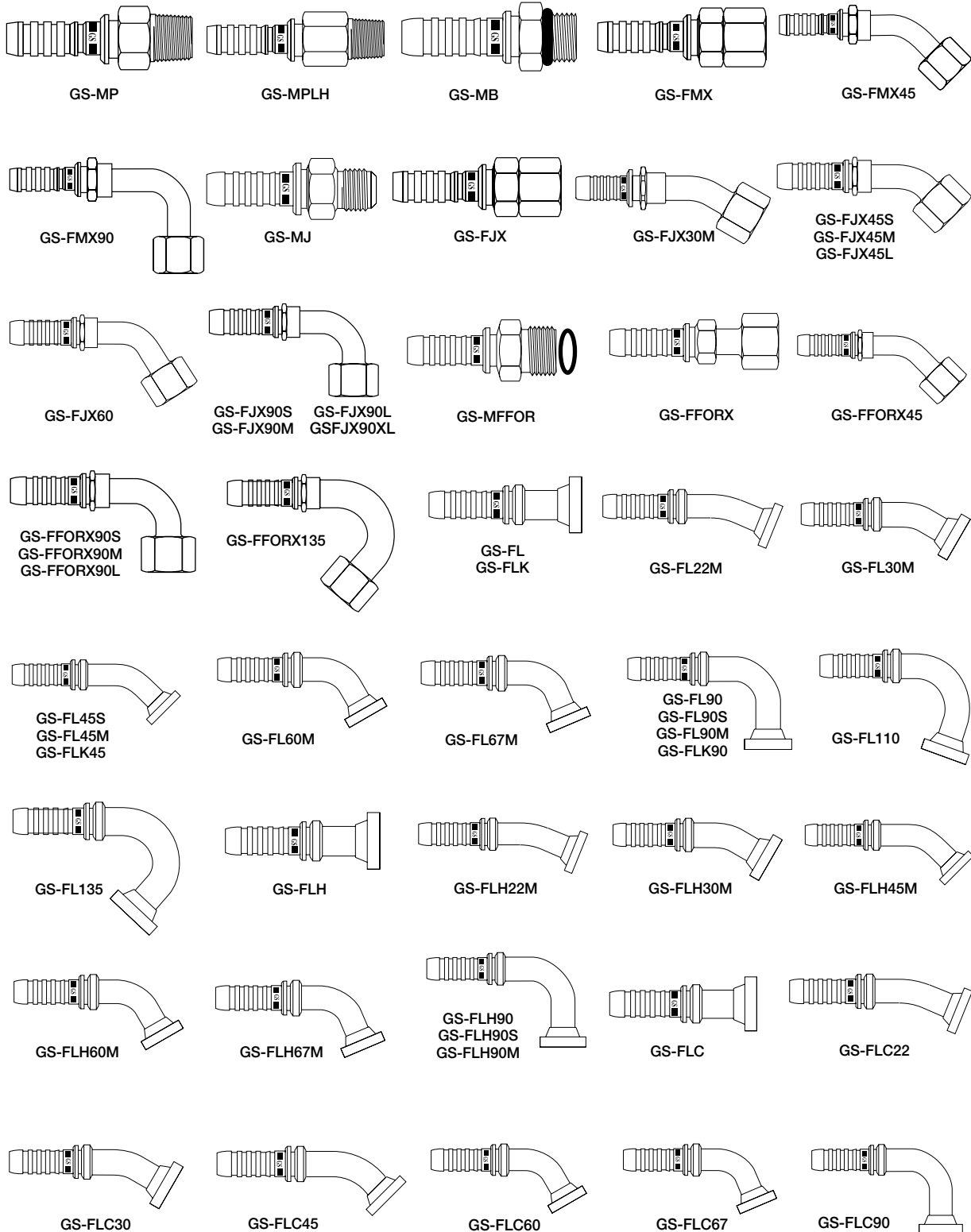


# Coupling/Thread Configurations

## GlobalSpiral™ (GS) Couplings

for EFG6K, G6K, EFG5K, G5K, EFG4K, G4K, EFG3K, and G3K Hose

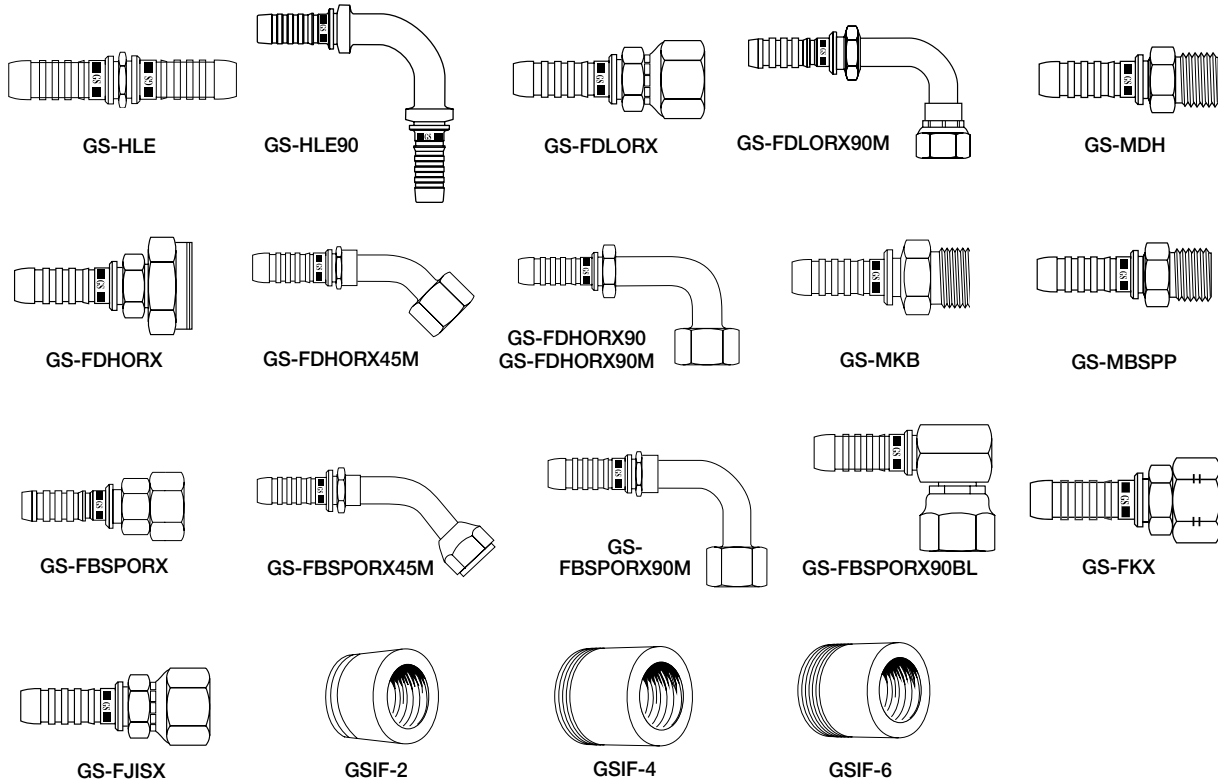
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Coupling/Thread Configurations

## GlobalSpiral™ (GS) Couplings

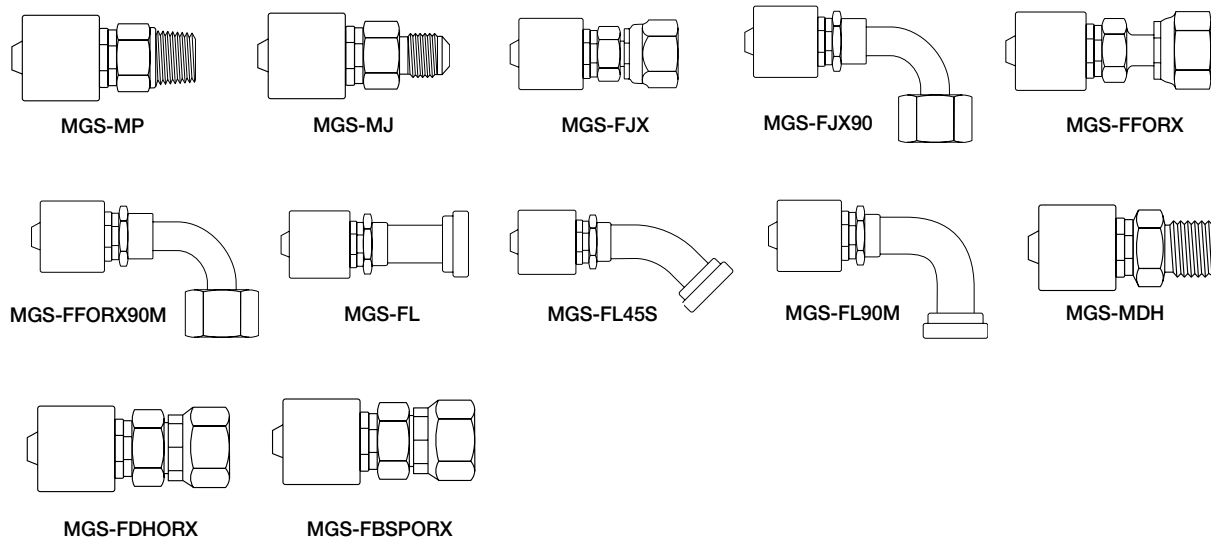
for EFG6K, G6K, EFG5K, G5K, EFG4K, G4K, EFG3K and G3K Hose (Continued)



## GlobalSpiral™ (GS) Couplings –

### One-Piece Couplings for Use with MobileCrimp® Crimpers

for EFG6K, G6K, EFG5K, G5K, EFG4K, G4K, EFG3K and G3K Hose



EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.

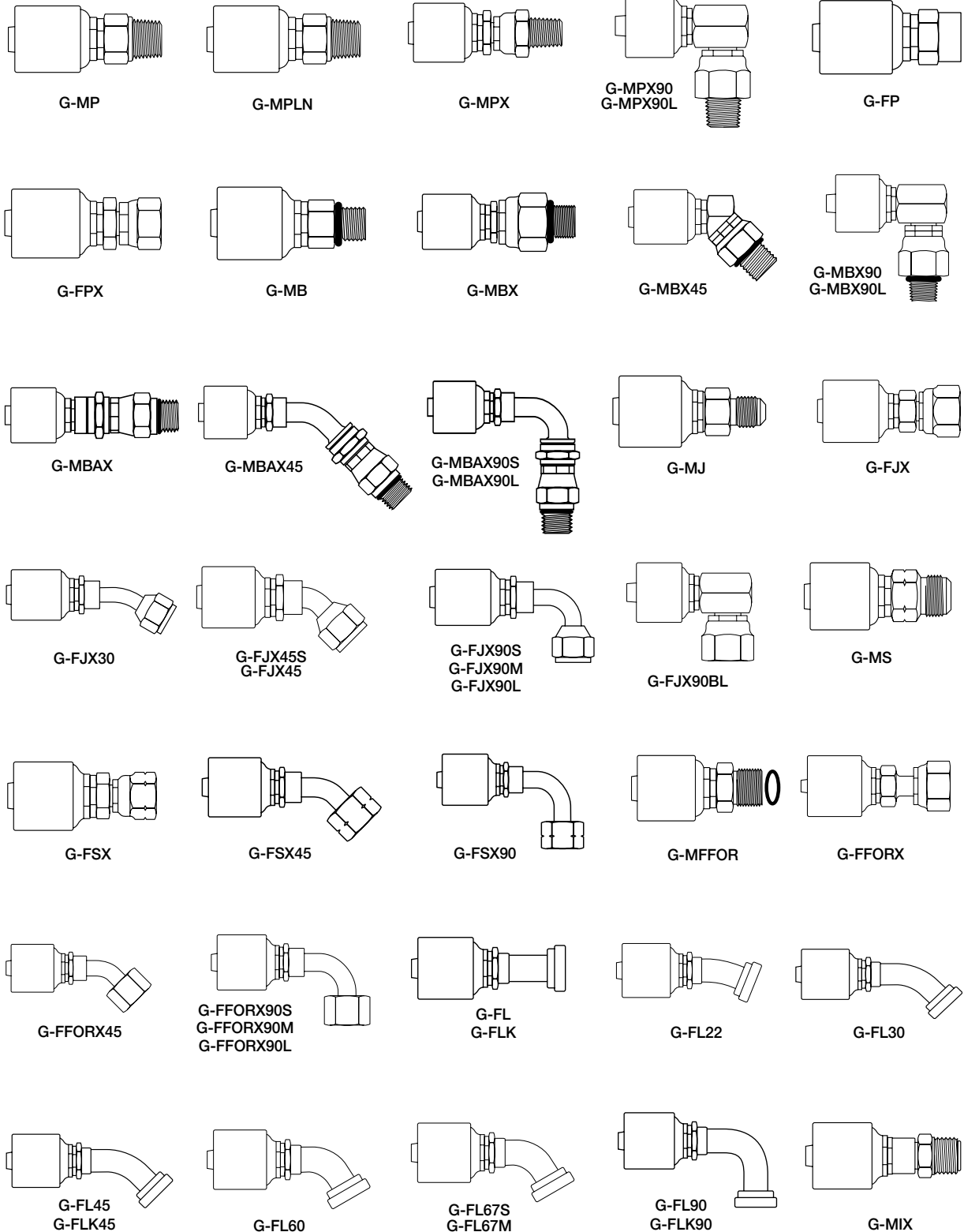
gates.com/hydraulics

C51



**MegaCrimp® Couplings**  
for High and Medium Pressure Hoses

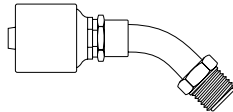
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



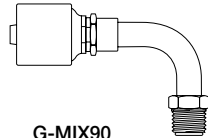
# Coupling/Thread Configurations

## MegaCrimp® Couplings

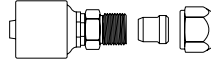
for High and Medium Pressure Hoses (Continued)



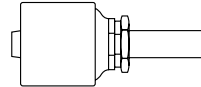
G-MIX45



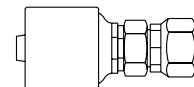
G-MIX90



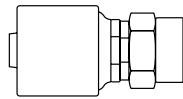
G-MFA



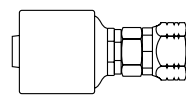
G-NASP



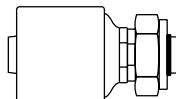
G-FABX



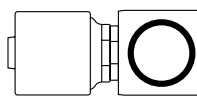
G-FG



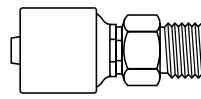
G-FZX



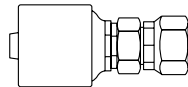
G-PWX



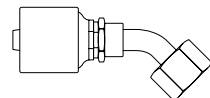
G-BJ



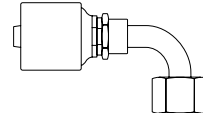
G-MDL



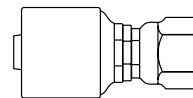
G-FDLORX



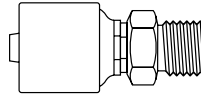
G-FDLORX45



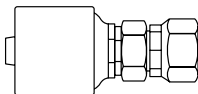
G-FDLORX90



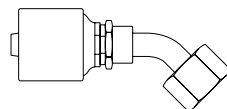
G-FFGX



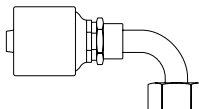
G-MDH



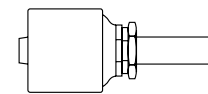
G-FDHORX



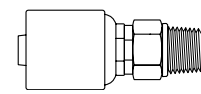
G-FDHORX45



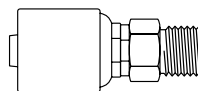
G-FDHORX90



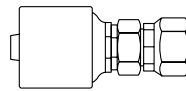
G-MLSP



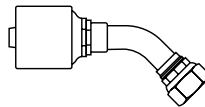
G-MBSPT



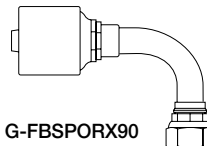
G-MBSPP



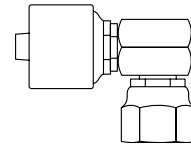
G-FBSPORX



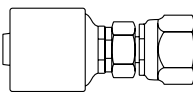
G-FBSPORX45



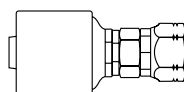
G-FBSPORX90



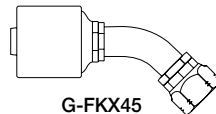
G-FBSPORX90BL



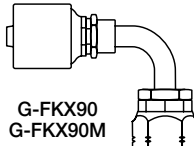
G-FBFFX



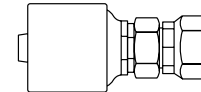
G-FKX



G-FKX45  
G-FKX45M



G-FKX90  
G-FKX90M



G-FJISX

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.

gates.com/hydraulics

C53



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Chemical Resistance Ratings for Gates Hose Polymers, Couplings and Adapter Materials

The Chemical Resistance Table lists the relative resistance of hose and coupling materials to more common chemicals. These ratings do not cover all possible variations of all factors, such as temperature, concentration, degradation or fluid contamination, etc. Testing under actual conditions is the best way to ensure chemical compatibility for critical applications.

*For specific information, contact Gates Hose/ Connector Product Application, Denver, Colorado.*

<b>Rating Scale</b>
“1” Excellent resistance
“2” Good resistance
“X” Not recommended
“—” Testing recommended

## How to Use the Chemical Resistance Table

1. Chemicals are listed alphabetically.
2. Find the hose, coupling and adapter material type that has a resistance rating of “1” or “2” (See Rating Scale).
3. Find hose(s) with compatible polymer(s) in the Gates Hydraulic Hose Selection Guide.
4. Look for compatible couplings for the selected hose(s) by following the hose page references in the Selection Guide.

**NOTE:** O-rings used with couplings also must be considered for chemical compatibility with the fluid to be conveyed. This includes couplings containing internal O-rings; for example, MPX (Male Pipe Swivel). Gates standard O-ring is made of Nitrile. If O-rings other than Nitrile are required, contact Gates Hose/ Connector Product Application at 303-744-5070.







Chemical Resistance Table

Table with 10 rows and 1 column: EQUIPMENT. Rows include HOSE/CPLG. SELECTION, G8K COUPLINGS, GLOBALSPIRAL COUPLINGS, PCM/PCS FERRULES, MEGACRIMP COUPLINGS, STAINLESS STEEL, POWER CRIMP COUPLINGS, LOC, GL AND GLP COUPLINGS, POLARSEAL COUPLINGS, POLARSEAL II COUPLINGS, C14 COUPLINGS, PCTS THERMO-PLASTIC COUPLINGS, FIELD ATTACHABLE G1 AND G2 COUPLINGS, FIELD ATTACHABLE C5 AND C5E COUPLINGS, SURELOK AIR BRAKE COUPLINGS, ADAPTERS, QUICK DISCONNECT COUPLERS, LIVE SWIVEL, BALL VALVES, ACCESSORIES, and EQUIPMENT AND PARTS.

Main chemical resistance table for Gates Hose Polymers and Couplings & Adapters. Includes Rating Scale (1 Excellent, 2 Good resistance, X Not recommended, - Testing recommended) and columns for Trade Names (A, C, C2, J, Z) and Chemical Name. Lists various chemicals like Aurrex 903R, Automatic Brake Fluid, etc.

Main chemical resistance table for Gates Hose Polymers and Couplings & Adapters. Includes Rating Scale (1 Excellent, 2 Good resistance, X Not recommended, - Testing recommended) and columns for Trade Names (A, C, C2, J, Z) and Chemical Name. Lists various chemicals under section C, such as Calcium Acetate, Calcium Arsenate, etc.

○ Cover stock rating only; Rating for tube stock "X"

\*Use Gates fuel hose or contact Denver Product Applications Department. \*\*Nitrile 150°F or less, no constant contact.







Chemical Resistance Table

Table of equipment categories: EQUIPMENT, HOSE/CPLG. SELECTION, G8K COUPLINGS, GLOBALSPIRAL COUPLINGS, PCM/PCS FERRULES, MEGACRIMP COUPLINGS, STAINLESS STEEL, POWER CRIMP COUPLINGS, LOC, GL AND GLP COUPLINGS, POLARSEAL COUPLINGS, POLARSEAL II COUPLINGS, C14 COUPLINGS, PCTS THERMO-PLASTIC COUPLINGS, FIELD ATTACHABLE G1 AND G2 COUPLINGS, FIELD ATTACHABLE C5 AND C5E COUPLINGS, SURELOK AIR BRAKE COUPLINGS, ADAPTERS, QUICK DISCONNECT COUPLERS, LIVE SWIVEL, BALL VALVES, ACCESSORIES, EQUIPMENT AND PARTS

Chemical Resistance Table (Left): Rating Scale (1 Excellent, 2 Good resistance, X Not recommended, - Testing recommended). Columns: Chemical Name, Gates Hose Polymers (Neoprene, Nitrile, Nitrile/PVC, CPE, Hypalon, Urethane, PTFE, Nylon), Couplings & Adapters (Carbon Steel, Stainless Steel 304, Stainless Steel 316, Aluminum, Brass).

Chemical Resistance Table (Right): Rating Scale (1 Excellent, 2 Good resistance, X Not recommended, - Testing recommended). Columns: Chemical Name, Gates Hose Polymers (Neoprene, Nitrile, Nitrile/PVC, CPE, Hypalon, Urethane, PTFE, Nylon), Couplings & Adapters (Carbon Steel, Stainless Steel 304, Stainless Steel 316, Aluminum, Brass).

○ Cover stock rating only; Rating for tube stock "X" \*Use Gates fuel hose or contact Denver Product Applications Department.









Chemical Resistance Table

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Table with columns: Rating Scale (1 Excellent, 2 Good resistance, X Not recommended, - Testing recommended), Gates Hose Polymers (Trade Names: A C C2 J Z), Couplings & Adapters (Carbon Steel, Stainless Steel 304, Stainless Steel 316, Aluminum, Brass), Chemical Name, and a grid of resistance ratings.

Table with columns: Rating Scale (1 Excellent, 2 Good resistance, X Not recommended, - Testing recommended), Gates Hose Polymers (Trade Names: A C C2 J Z), Couplings & Adapters (Carbon Steel, Stainless Steel 304, Stainless Steel 316, Aluminum, Brass), Chemical Name, and a grid of resistance ratings.

○Cover stock rating only; Rating for tube stock "X" \*Use Gates fuel hose or contact Denver Product Applications Department.







Chemical Resistance Table

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Table with columns: Rating Scale (1 Excellent, 2 Good resistance, X Not recommended, - Testing recommended), Gates Hose Polymers (Trade Names: A C C2 J Z), Couplings & Adapters (Carbon Steel, Stainless Steel 304, Stainless Steel 316, Aluminum, Brass), Chemical Name, and resistance ratings.

Table with columns: Rating Scale (1 Excellent, 2 Good resistance, X Not recommended, - Testing recommended), Gates Hose Polymers (Trade Names: A C C2 J Z), Couplings & Adapters (Carbon Steel, Stainless Steel 304, Stainless Steel 316, Aluminum, Brass), Chemical Name, and resistance ratings. Includes a section for temperatures (T) ranging from 150°F to 3136°F.

○ Cover stock rating only; Rating for tube stock "X" \*Use Gates fuel hose or contact Denver Product Applications Department.



# Chemical Resistance Table

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended	Gates Hose Polymers						Couplings & Adapters				
	Trade Names						Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass
	A	C	C <sub>2</sub>	J	Z						
Chemical Name	Neoprene	Nitrile	Nitrile/PVC	CPE	Hypalon	Urethane (cover rating only)	PTFE	Nylon			
Type III Fuel (MIL-3136)											
ASTM Fuel B	X	1	-	-	-	1	-		1	1	1
<b>U</b>											
Ucon Hydrolube Types 150CP, 200CP	-	1	-	-	-	2	1	1	1	1	1
Ucon Hydrolube Types 275CP, 300CP, 550CP	-	-	-	-	-	1	-	-	-	-	-
Ucon M1	-	1	-	-	-	2	1	1	1	1	1
Union ATF Dexron	-	1	-	-	-	2	1	1	1	1	-
Union ATF Type F	-	1	-	-	-	2	1	1	1	1	1
Union C-2 Fluid	-	1	-	-	-	2	1	1	1	1	-
Union C-POil	-	1	-	-	-	2	1	1	1	1	1
Union Hydraulic Oil AW	-	1	-	-	-	2	1	1	1	1	1
Union Hydraulic Tractor Fluid	-	1	-	-	-	2	1	1	1	1	1
Urea Solution	1	2	-	1	1	2	1	1	1	1	2
<b>V</b>											
Varnish	X	X	X	-	X	-	1	1	2	1	1
Vegetable Oils	2	1	2	1	-	2	1	1	1	1	2
Vegetable Oil (Hot)	-	-	-	-	-	1	1	2	2	2	1
Versilube	1	1	-	-	-	1	-	1	1	1	-
Versilube F-50, F-44	2	2	2	-	2	2	1	1	1	1	1
Vinegar	2	X	X	2	X	-	1	1	X	2	X
Vinyl Acetate	X	X	X	1	X	-	1	-	2	1	2
Vinyl Chloride (Chloroethylene, Monomer)	X	X	X	X	X	-	1	-	2	1	2
Vitrea Oils	X	X	X	-	-	2	1	1	1	1	-

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended	Gates Hose Polymers						Couplings & Adapters				
	Trade Names						Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass
	A	C	C <sub>2</sub>	J	Z						
Chemical Name	Neoprene	Nitrile	Nitrile/PVC	CPE	Hypalon	Urethane (cover rating only)	PTFE	Nylon			
<b>W</b>											
Water	1	1	1	1	1	1	1	1	2	1	1
Water, Acid Mine	2	X	-	-	-	1	1	1	X	2	2
Water, Brine	2	2	-	-	1	1	1	1	X	2	2
Water Deionized, (DeminerIALIZED)	-	-	-	-	-	1	-	-	-	-	-
Water, Distilled	2	1	-	-	1	1	1	1	X	1	1
Water, Fresh	1	1	-	-	-	1	1	1	X	1	1
Water In Oil Emulsions	-	-	-	-	-	2	1	1	-	-	-
Water, Potable (FDA Tube Only)	Use FDA Hose Only						-	-	-	-	-
Water, Salt	2	1	-	-	-	1	1	1	X	2	2
White & Bagley No. 2190 Cutting Oil	2	1	-	-	-	1	-	-	-	-	-
Wines	2	1	1	1	1	-	1	1	2	2	2
Wood Oil	2	1	-	1	2	1	1	1	1	1	1
<b>X</b>											
Xylene	X	X	-	X	-	2	1	X	2	2	2
<b>Z</b>											
Zeric	-	1	-	-	-	2	1	2	-	-	-
Zinc Acetate	2	X	-	-	X	-	1	2	1	1	1
Zinc Chloride Solutions	1	1	1	1	1	-	1	1	X	2	1
Zinc Chromate	-	-	-	1	1	-	1	-	-	1	-
Zinc Hydrate	-	-	-	-	-	2	1	-	-	-	-
Zinc Sulfate Solutions	2	2	2	1	2	-	1	2	X	2	1

○Cover stock rating only; Rating for tube stock "X"  
\*Use Gates fuel hose or contact Denver Product Applications Department.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





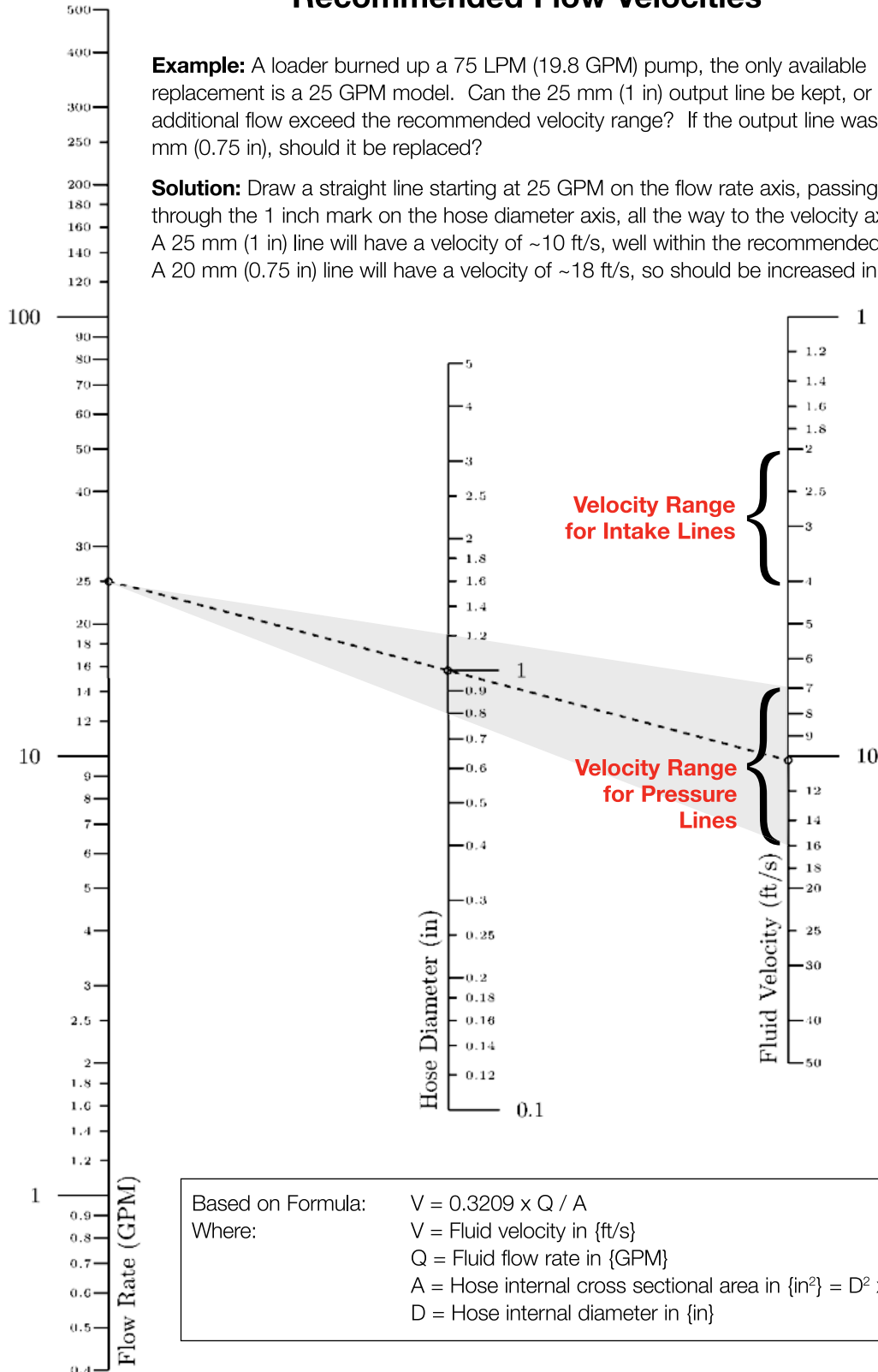
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Nomographic Chart

## Flow Capacity of Hose Assemblies at Recommended Flow Velocities

**Example:** A loader burned up a 75 LPM (19.8 GPM) pump, the only available replacement is a 25 GPM model. Can the 25 mm (1 in) output line be kept, or will the additional flow exceed the recommended velocity range? If the output line was 20 mm (0.75 in), should it be replaced?

**Solution:** Draw a straight line starting at 25 GPM on the flow rate axis, passing through the 1 inch mark on the hose diameter axis, all the way to the velocity axis. A 25 mm (1 in) line will have a velocity of ~10 ft/s, well within the recommended range. A 20 mm (0.75 in) line will have a velocity of ~18 ft/s, so should be increased in size.



Based on Formula:  $V = 0.3209 \times Q / A$   
 Where:  
 $V$  = Fluid velocity in {ft/s}  
 $Q$  = Fluid flow rate in {GPM}  
 $A$  = Hose internal cross sectional area in {in<sup>2</sup>} =  $D^2 \times \pi / 4$   
 $D$  = Hose internal diameter in {in}



## Properties of C14 PTFE Tube

Tensile Strength, 73°F (23°C)		1500-3000 Lb./Sq. In.
Elongation, 73°F (23°C)		100-200%
Stiffness, 73°F (23°C)		60,000 Lb./Sq. In.
Impact Strength	@70°F (21°C)	2.0 Ft.-Lb./In.
	@73°F (23°C)	3.5 Ft.-Lb./In.
	@170°F (77°C)	6.0 Ft.-Lb./In.
Hardness, Durometer		D55-D70 Shore D
Compressive Stress at		
	1% Deformation @73°F (23°C)	600 Lb./Sq.In.
	1% Offset @73°F (23°C)	1000 Lb./Sq.In.
Deformation Under Load, 24 Hrs. @ 122°F (50°C)		
	1200 Lb./Sq.In.	4-8%
	2000 Lb./Sq.In.	25%
Heat-Distortion Temperature @66 Lb./Sq. In.		250°F (121°C)
Coefficient of Linear Thermal Expansion per °F; 77-140°F (25-60°C)		5.5 x 10 <sup>-5</sup>
Thermal Conductivity 0.18 In.		1.7 B.T.U./Hr./Sq.Ft./°F/In.
Specific Heat		0.25 B.T.U./Lb./°F
Water Absorption		0.0%
Flammability		Nonflammable
Specific Gravity		2.1-2.3

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS





EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Electrostatic Discharge

Most applications of PTFE hose do not require the use of a conductive inner tube. Under certain applications, the potential for Static Discharge must be considered. Be aware that static electricity can be a hazard. Under those conditions where static discharge can occur, the use of conductive Gates C14CT hose is recommended. The following should serve to increase your knowledge and understanding of this phenomenon and how to avoid its occurrence:

When two different materials contact each other, electrons from one material can move across its boundary and associate with the other. These electrons align themselves with the material contacted. If the two materials are good conductors of electricity, the positive and negative electrons flow back and forth between them, keeping them in balance. If one or both are insulators, the flow will not occur. A charge will then build up on the surface of one of the materials. When the charge exceeds the electric strength of the material, electric breakdown results.

In applying this to PTFE hose, we have to consider fluids and gases that are poor conductors of electricity and the flow rates of those fluids and gases. In order for a liquid or gas to be a poor electrical conductor, it will generally satisfy one or both of the following conditions:

1. Be nonpolar; that is, an imbalance between protons and electrons, and/or
2. Contain a nonmixable component or a suspended solid; such as water in kerosene.

So when a liquid contacts a PTFE tube that isn't a good conductor (white PTFE innercore), the result is phase separation and the electric charge starts to build. The rate at which static electricity builds up now becomes a function of the fluid flow rate. When the electric strength of the PTFE tube is exceeded, the electric charge will **puncture the tube wall and ground itself on the stainless steel braid of the hose.**

In hydraulics, high pressures generally mean high velocities. Historically, fluids were filtered upstream of the hoses using metallic filter elements. The metallic element helped to ground the charge. But, today, most filtration is done with paper-type and glass-fiber filter elements that have a tendency to inject an electrostatic charge into the fluid they are filtering.

**Steam and fuels are two specific areas of concern. No hoses in this catalog can or should be used in steam applications. Contact Gates Product Application for proper hose recommendation.**

Fuels (i.e., gasoline and white spirits, hydrazine, benzene, diesel oils, etc.) are, for the most part, "nonconductive" liquids. These fluids usually are transferred at

fairly low velocities, but there still is a potential for an electrostatic discharge due to external factors, such as humidity and, to some extent, temperature. You should take all of these factors into account even at fluid velocities at or below 1 meter per second.

When using PTFE hose, you can offset the potential hazard of electrostatic discharge by using a conductive Gates C14CT hose. Carbon is added to the PTFE inner tube wall during manufacture. The carbon layer directs the electrostatic charge down the inner diameter of the hose to the metal end fittings. This prevents the charge from building up on the inner tube wall.

So, it's important to examine any application where nonconductive fluids are used and any of the above conditions exist. This section is not meant to cover all conditions or situations when they involve fuels, steam or other media which may cause electrostatic buildup or potential discharge. If you need help on any individual application, contact Hose/Connector Product Application, Denver.

Following is a list of some of the chemicals that meet at least one of the criteria necessary to create electrostatic discharge:

- Cyclohexane
- Decalin
- Diacetone
- Dibutyl Ether
- Dibutyl Phthalate
- Dibutyl Sebacate
- Dimethyl Phthalate
- Dioctyl Phthalate
- Dipentene
- Fuel Oil
- Gasoline
- Hexane
- Hexene
- Hydrazine
- Kerosene
- Lacquers
- Lacquer Solvents
- Naphtha
- Naphthalene
- Octane
- Paint
- Petroleum
- Pinene
- Silicone Oils
- Skydrol 500 & 700
- Steam
- Toluene
- Transformer Oil
- Turpentine
- Varnish
- Versilube

**General Industry Practice has identified the above fluids as requiring a conductive hose—Gates C14CT.**



# Effusion/Corrosion for PTFE Hose and Hose Assemblies

## What is Effusion?

It is the process where chemical molecules move through the PTFE wall and escape from a hose or hose assembly. It is sometimes called permeation. The rate at which effusion occurs depends upon temperature, pressure, wall thickness and the hose material.

The fact that effusion occurs isn't the problem. This process will happen with most all media in most hose material.

The basic issues are:

1. At what rate will effusion occur?
2. How hazardous are the media?
3. In what kind of environment does effusion take place; closed room, outside, etc.?

## General media concerns regarding the potential effects of effusion:

- Media where corrosion is not of concern, but effusion may displace the air we breathe, thus becoming a hazard to personnel.

Some of the chemicals in this category are:

- Carbon Dioxide
- Nitrogen
- Steam
- Oxygen
- Helium
- Neon
- Argon
- Xenon
- Krypton

- Media that can effuse in their "vapor phase"; i.e., their boiling point is below approximately +52°C (+125°F) at atmospheric pressure. These media can form chemicals that can corrode the braid and/or cause injury to personnel.

Some of these include:

- Acetaldehyde (Flammable, toxic)
- Benzene (Flammable, toxic)
- Liquid Butane (Flammable)
- Carbon Disulfide (Flammable, toxic)
- Diethyl Ether (Flammable, narcotic)
- Ethyl Mercaptan (Flammable, toxic)

- Hydrochloric Acid (Corrosive, toxic)
- Lacquer Solvents (Flammable)
- Methyl Bromide (Flammable, toxic, corrosive)
- Methylene Chloride (Toxic)
- Methyl Formate (Flammable, toxic)
- Liquid Propane (Flammable)
- Sulphur Trioxide (Corrosive, toxic)
- Liquid Chlorine (Corrosive, toxic)

- Media with the potential to effuse and cause corrosion of the braid reinforcement and fitting materials. These chemicals are all gases while at atmospheric pressure and a temperature of +13°C (+56°F) or lower.

Some of these chemicals are:

- Acetylene (Flammable)
- Butadiene (Flammable)
- Butane Gas (Flammable)
- Carbon Monoxide (Toxic, flammable)
- Chlorine (Toxic, corrosive)
- Chlorine Trifluoride (Toxic, corrosive)
- Ethyl Chloride (Toxic, corrosive)
- Hydrogen (Flammable)
- Hydrogen Chloride (Corrosive, toxic)
- Hydrogen Sulfide (Flammable, toxic)
- Hydrocyanic Acid (Flammable, toxic)
- Hydrogen Cyanide (Flammable, toxic)
- Coke Oven Gas (Flammable, toxic)
- Natural Gas (Flammable, toxic)
- Propane Gas (Flammable)
- Sulfur Dioxide (Corrosive)
- Vinyl Chloride Monomer (Toxic, corrosive)

It is important that hose assemblies used in these applications are installed in well-vented areas to avoid potential problems for personnel and/or equipment.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS







EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Hydraulic System Pressure Drop

## What is pressure drop?

Friction is defined as the resistance an object encounters in moving over another. Solids, liquids, and gases all exhibit friction in their motion. In hose and piping systems the result of this friction is pressure drop and heat generation that may be accurately estimated with engineering models.

## Why does pressure drop matter?

If there is excessive pressure drop in a system pumps will have to work harder, use more energy, and the working fluid will increase in temperature. Depending on the source of the additional pressure loss it could: raise the whole system pressure, increasing wear and introducing potentially dangers over pressure conditions; render some tools or equipment functions inoperable, because of inadequate operation pressure; or create damaging cavitation and loss of net positive suction head (NPSH).

## What affects pressure drop?

The factors which contribute pressure loss may be broken down into two general categories: mechanical components and fluid properties. Mechanical components such as valves, flow meters, quick disconnects, adapters, couplings, tubing, hose, etc., all contribute to pressure loss. The amount of pressure loss in mechanical components is impacted by criteria such as cross sectional area, internal surface roughness, length, bends, and geometric complexity. Fluid properties such as density, viscosity, heat capacity and bulk modulus will also contribute to pressure loss. Fluid properties are impacted by temperature, pressure, contamination, air entrainment, and time.

While all of these components contribute to pressure loss, fluid velocity has the most impact. Fluid velocity is a direct product of flow rate and cross sectional area.

## What can be done to reduce pressure drop?

- Check system pressure drop when non-identical replacement parts are required or there is ongoing system problems.
- Use straight adapters and bent couplings whenever possible.
- Replace worn parts and old fluids.
- Lower the fluid velocity.

## How can I calculate pressure drop for a hose assembly?

With some basic system information reliable pressure drop approximations may be readily calculated. First determine the applicable mechanical components and fluid for the analysis (doing 1 hose assembly at a time is recommended), then enter those values into the Gates online pressure drop calculator.

Hose assembly information: Inside Diameter, Length, Couplings, Adapters

**Fluid information:** Density, Viscosity, and Heat Capacity (these may be estimated with fluid type and temperature)

Go to <http://www.gates.com/pressuredrop> to calculate the pressure loss from the system information.



# Pressure Conversions

## Metric to PSI (1 kPa = .145 psi)

Kilo Pascals (kPa)	Mega Pascals (MPa)	Bar (Bar)	Pounds per Square Inch (psi)
100	0.1	1	14.5
200	0.2	2	29.0
300	0.3	3	43.5
400	0.4	4	58.0
500	0.5	5	72.5
600	0.6	6	87.0
700	0.7	7	101.5
800	0.8	8	116.0
900	0.9	9	130.5
1,000	1.0	10	145.0
2,000	2.0	20	290.1
3,000	3.0	30	435.1
4,000	4.0	40	580.2
5,000	5.0	50	725.2
6,000	6.0	60	870.2
7,000	7.0	70	1,015.3
8,000	8.0	80	1,160.3
9,000	9.0	90	1,305.3
10,000	10	100	1,450
20,000	20	200	2,901
30,000	30	300	4,351
40,000	40	400	5,802
50,000	50	500	7,252
60,000	60	600	8,702
70,000	70	700	10,153
80,000	80	800	11,603
90,000	90	900	13,053
100,000	100	1000	14,504
200,000	200	2000	29,008
300,000	300	3000	43,511

## PSI to Metric (1 psi = 6.89 kPa)

Pounds per Square Inch (psi)	Kilo Pascals (kPa)	Mega Pascals (MPa)	Bar (Bar)
10	68.9	0.07	0.7
20	137.9	0.14	1.4
30	206.8	0.21	2.1
40	275.8	0.28	2.8
50	344.7	0.34	3.4
60	413.7	0.41	4.1
70	482.6	0.48	4.8
80	551.6	0.55	5.5
90	620.5	0.62	6.2
100	689	0.7	6.9
200	1,379	1.4	13.8
300	2,068	2.1	20.7
400	2,758	2.8	27.6
500	3,447	3.4	34.5
600	4,137	4.1	41.4
700	4,826	4.8	48.3
800	5,516	5.5	55.2
900	6,205	6.2	62.1
1,000	6,895	6.9	68.9
2,000	13,790	13.8	137.9
3,000	20,684	20.7	206.8
4,000	27,579	27.6	275.8
5,000	34,474	34.5	344.7
6,000	41,369	41.4	413.7
7,000	48,263	48.3	482.6
8,000	55,158	55.2	551.6
9,000	62,053	62.1	620.5
10,000	68,948	68.9	689
20,000	137,895	137.9	1,379
30,000	206,843	206.8	2,068
40,000	275,790	275.8	2,758

### Examples

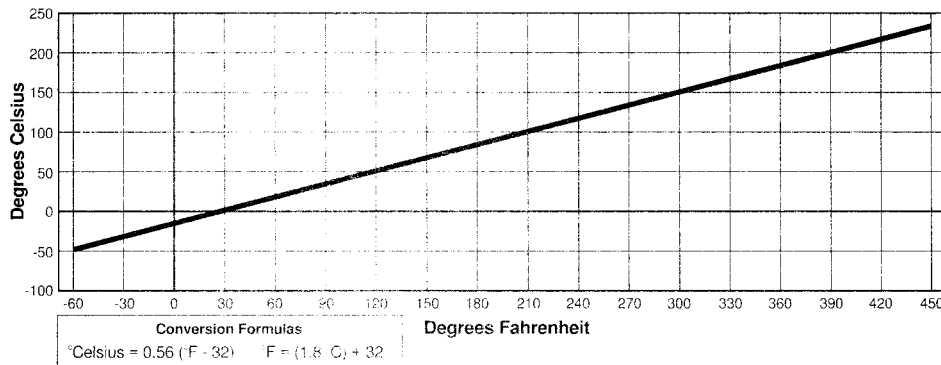
(A) Convert 3,429 psi to the equivalent pressure in Bar.

$$\begin{array}{r}
 3,000 \text{ psi} = 206.8 \text{ Bar} \\
 + \quad 400 \text{ psi} = 27.6 \text{ Bar} \\
 + \quad 20 \text{ psi} = 1.4 \text{ Bar} \\
 + \quad 9 \text{ psi} = .62 \text{ Bar} \\
 \hline
 3429 \text{ psi} = 236.42 \text{ Bar}
 \end{array}$$

(B) Convert 3,429 psi to the equivalent pressure in MPa.

$$\begin{array}{r}
 3,000 \text{ psi} = 20.680 \text{ MPa} \\
 + \quad 400 \text{ psi} = 2.760 \text{ MPa} \\
 + \quad 20 \text{ psi} = .140 \text{ MPa} \\
 + \quad 9 \text{ psi} = .062 \text{ MPa} \\
 \hline
 3,429 \text{ psi} = 23.642 \text{ MPa}
 \end{array}$$

# Fahrenheit-Celsius Conversion



\* Teflon is a registered trademark of DuPont

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





# Fahrenheit-Celsius Conversion

Look up a temperature reading in the middle column (shaded). If it's in degrees Centigrade, read the Fahrenheit equivalent in the right-hand column. If it's in degrees Fahrenheit, read the Centigrade equivalent in the left-hand column.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

C	FC	F
-68	-90	-130
-62	-80	-112
-57	-70	-94
-51	-60	-76
-46	-50	-58
-40	-40	-40
-34	-30	-22
-29	-20	-4
-23	-10	14
-17.8	0	32
-17.2	1	33.8
-16.7	2	35.6
-16.1	3	37.4
-15.6	4	39.2
-15.0	5	41.0
-14.4	6	42.8
-13.9	7	44.6
-13.3	8	46.4
-12.8	9	48.2
-12.2	10	50.0
-11.7	11	51.8
-11.1	12	53.6
-10.6	13	55.4
-10.0	14	57.2
-9.4	15	59.0
-8.9	16	60.8
-8.3	17	62.6
-7.8	18	64.4
-7.2	19	66.2
-6.7	20	68.0
-6.1	21	69.8
-5.6	22	71.6
-5.0	23	73.4
-4.4	24	75.2
-3.9	25	77.0
-3.3	26	78.8
-2.8	27	80.6
-2.2	28	82.4
-1.7	29	84.2
-1.1	30	86.0
-0.6	31	87.8
0	32	89.6
.6	33	91.4
1.1	34	93.2
1.7	35	95.0
2.2	36	96.8
2.8	37	98.6
3.3	38	100.4
3.9	39	102.2
4.4	40	104.0

C	FC	F
5.0	41	105.8
5.6	42	107.6
6.1	43	109.4
6.7	44	111.2
7.2	45	113.0
7.8	46	114.8
8.3	47	116.6
8.9	48	118.4
9.4	49	120.2
10.0	50	122.0
10.6	51	123.8
11.1	52	125.6
11.7	53	127.4
12.2	54	129.2
12.8	55	131.0
13.3	56	132.8
13.9	57	134.6
14.4	58	136.4
15.0	59	138.2
15.6	60	140.0
16.1	61	141.8
16.7	62	143.6
17.2	63	145.4
17.8	64	147.2
18.3	65	149.0
18.9	66	150.8
19.4	67	152.6
20.0	68	154.4
20.6	69	156.2
21.1	70	158.0
21.7	71	159.8
22.2	72	161.6
22.8	73	163.4
23.3	74	165.2
23.9	75	167.0
24.4	76	168.8
25.0	77	170.6
25.6	78	172.4
26.1	79	174.2
26.7	80	176.0
27.2	81	177.8
27.8	82	179.6
28.3	83	181.6
28.9	84	183.2
29.4	85	185.0
30.0	86	186.8
30.6	87	188.6
31.1	88	190.4
31.7	89	192.2
32.2	90	194.0
32.8	91	195.8

C	FC	F
33.3	92	197.6
33.9	93	199.4
34.4	94	201.2
35.0	95	203.0
35.6	96	204.8
36.1	97	206.6
36.7	98	208.4
37.2	99	210.2
37.8	100	212.0
43	110	230
49	120	248
54	130	266
60	140	284
66	150	302
71	160	320
77	170	338
82	180	356
88	190	374
93	200	392
99	210	410
100	212	413.6
104	220	428
110	230	446
116	240	464
121	250	482
127	260	500
132	270	518
138	280	536
143	290	554
149	300	572
154	310	590
160	320	608
166	330	626
170	338	640
171	340	644
177	350	662
182	360	680
186	366	691
188	370	698
193	380	716
198	388	730
199	390	734
204	400	752
208	406	763
210	410	770
216	420	788
221	430	806
227	440	824
232	450	842



# Decimal and Millimeter Equivalents of Fractions

Inches			Inches			Inches		
Fractions	Decimals	Millimeters	Fractions	Decimals	Millimeters	Fractions	Decimals	Millimeters
1/64	.015625	.397	23/64	.359375	9.128	11/16	.6875	17.463
1/32	.03125	.794	3/8	.375	9.525	45/64	.703125	17.859
3/64	.046875	1.191	25/64	.390625	9.922	23/32	.71875	18.256
1/16	.0625	1.588	13/32	.40625	10.319	47/64	.734375	18.653
5/64	.078125	1.984	27/64	.421875	10.716	3/4	.750	19.050
3/32	.09375	2.381	7/16	.4375	11.113	49/64	.765625	19.447
7/64	.109375	2.778	29/64	.453125	11.509	25/32	.78125	19.844
1/8	.125	3.175	15/32	.46875	11.906	51/64	.796875	20.241
9/64	.140625	3.572	31/64	.484375	12.303	13/16	.8125	20.638
5/32	.15625	3.969	1/2	.500	12.700	53/64	.828125	21.034
11/64	.171875	4.366	33/64	.515625	13.097	27/32	.84375	21.431
3/16	.1875	4.763	17/32	.53125	13.494	55/64	.859375	21.828
13/64	.203125	5.159	35/64	.546875	13.891	7/8	.875	22.225
7/32	.21875	5.556	9/16	.5625	14.288	57/64	.890625	22.622
15/64	.234375	5.953	37/64	.578125	14.684	29/32	.90625	23.019
1/4	.250	6.350	19/32	.59375	15.081	59/64	.921875	23.416
17/64	.265625	6.747	39/64	.609375	15.478	15/16	.9375	23.813
9/32	.28125	7.144	5/8	.625	15.875	61/64	.953125	24.209
19/64	.296875	7.541	41/64	.640625	16.272	31/32	.96875	24.606
5/16	.3125	7.938	21/32	.65625	16.669	63/64	.984375	25.003
						1	1.000	25.400

## Metric (SI) – U.S. Units for Fluid Power Use

(The following conversions are based on information taken from ASTM, American Society for Testing and Materials, Handbook E380-72.)

Quantity	Customary U.S. Unit	SI Unit	Conversion from U.S. to SI Units	Conversion from SI to U.S. Units
Area	Square Inch (in <sup>2</sup> )	Square Metre (m <sup>2</sup> )	(in <sup>2</sup> ) x (6.4516 x 10 <sup>-4</sup> ) = (m <sup>2</sup> )	(m <sup>2</sup> ) x 1550.003 = (in <sup>2</sup> )
Force	Pound (lb)	Newton (N)	(lb) x 4.4482 = (N)	(N) x (2.2481 x 10 <sup>-1</sup> ) = (lb)
Frequency	Cycles/Second (cps)	Hertz (Hz)	1 (cps) = 1(Hz)	1(Hz) = 1(cps)
Length	Inch (in)	Metre (m)	(in) x (2.540 x 10 <sup>-2</sup> ) = (m)	(m) x 39.370 = (in)
Mass	Pound (lb.)	Kilogram (kg)	(lbm) x .4536 = (kg)	(kg) x 2.2046 = (lb.)
Power	Electric Horsepower (HP)	Watt (W)	(HP) x (7.460 x 10 <sup>2</sup> ) = (W)	(W) x (1.3405 x 10 <sup>-3</sup> ) = (HP)
Pressure	Pounds/Sq In (psi)	Newtons/Sq Metre (N/m <sup>2</sup> )	(psi) x (6.8948 x 10 <sup>3</sup> ) = (N/m <sup>2</sup> )	(N/m <sup>2</sup> ) x (1.4504 x 10 <sup>-4</sup> ) = (psi)
	(psi)	Mega Pascal (MPa)	(Non-Preferred Conversions) (psi)/145 = MPa	(MPa) x 145 = (psi)
	(psi) (Bar)	Bar (Bar) (N/m <sup>2</sup> )	psi/14.5 = Bar (Bar) x 100,000 = (N/m <sup>2</sup> )	(Bar) x (1.4504 x 10 <sup>5</sup> ) = (psi) (N/m <sup>2</sup> ) x (1.00 x 10 <sup>-5</sup> ) = (Bar)
Temperature	Degrees Fahrenheit (°F)	Degrees Celsius (°C)	(°Celsius) = 0.556(°F-32)	(1.8°C) + 32 = °F
Torque	Pound-Inch (lb.-in)	Newton-Metres (N-m)	(lb.-in) x (1.1298 x 10 <sup>-1</sup> ) = (N-m)	(N-m) x 8.8507 = (lb.-in)
Volume	US Gallon (Gal)	Cubic Metre (m <sup>3</sup> )	(Gal) x (3.7854 x 10 <sup>-3</sup> ) = (m <sup>3</sup> )	(m <sup>3</sup> ) x (2.6417 x 10 <sup>2</sup> ) = (Gal)
		Litre (l)	(Non-Preferred Conversions) (Gal) x 3.7854 = (l)	(l) x (2.6417 x 10 <sup>-1</sup> ) = (Gal)
Work	Foot-Pound (ft.-lb)	Joule (J)	(ft.-lb.) x 1.3558 = (J)	(J) x (7.3756 x 10 <sup>-1</sup> ) = (ft.-lb.)

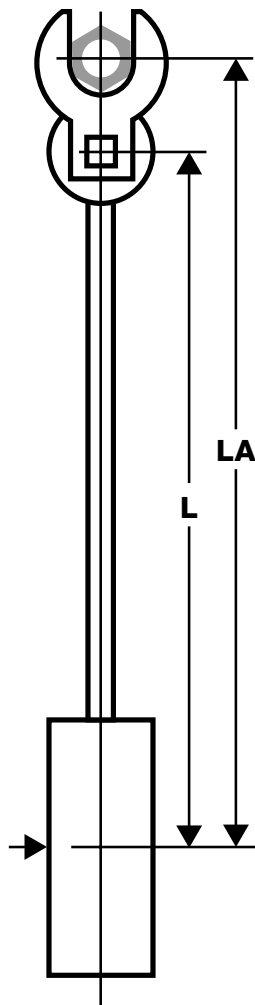
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

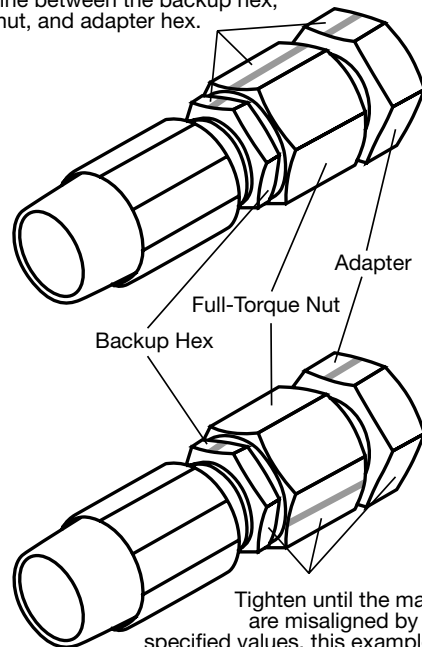
## Tightening and Torque Recommendations for Hydraulic Couplings

1. Determine the correct torque value for your coupling using the manufacturers' recommendations. The minimum torque values are adequate for sealing in most applications; never exceed the maximum torque recommendations. Only use manufacturer specified torque values; do not use SAE recommendations.
2. Calculated the correct torque wrench setting.  $\text{Wrench Setting} = \text{Desired Torque} * L / LA$  (see Figure 1)
3. Ensure that the seal face and threads are clean and in good condition. O-rings should be lubricated with light oil, but threads should be completely dry unless making a tapered pipe thread connection (interference seal).
4. If the assembly has a male connector on one end, install the male connector first.
5. Hand tighten the connection by bringing seal face in contact and rotating the nut by hand until it stops, approximately 0.3-1 ft-lb.
6. Mark the coupling nut and backup hex with a line for flats method of torque verification.
7. Apply a wrench to the backup hex to prevent the coupling and hose from moving while tightening the nut with a torque wrench. Failure to retain the backup hex during installation can cause hose twisting and will result in additional clamp load force that can cause seal face damage.
8. While keeping the backup hex secure apply the torque wrench to the fitting nut and pull until the proper torque is achieved. The coupling nut must be in motion when the final torque is achieved, otherwise the nut must be loosened and retightened until the torque is attained while the nut is in motion.
9. If a torque wrench cannot fit into the coupling area or if it is unavailable, flats method may be used to ensure that JIC couplings are properly tightened, as shown in figure 2. Checking flats is also a good method of ensuring that critical connections have been properly tightened.



**Figure 1** - Torque wrench adjustment when using a crowfoot wrench.  $\text{Torque Wrench Setting} = \text{Desired Torque} * L / LA$

Once hand tight, mark a straight line between the backup hex, nut, and adapter hex.



Tighten until the marks are misaligned by the specified values, this example is two flats. The backup hex mark should stay aligned with the adapter mark.

**Figure 2** - Flats method of verifying coupling torque.

# Coupling & Adapter Installation Torque Recommendations – Continued

## JIC, SAE 45°, ORFS, O-Ring Boss, Gates Adapterless, & MegaSeal®

Dash Size	JIC 37°, SAE 45° & MegaSeal (Steel)		JIC 37°, SAE 45° & MegaSeal (Brass)		Flat Face O-Ring Seal (Steel)		SAE O-Ring Boss (Steel) & Gates Adapterless ≤ 4000 PSI		SAE O-Ring Boss (Steel) & Gates Adapterless > 4000 PSI	
	ft-lb		ft-lb		ft-lb		ft-lb		ft-lb	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
1/16 inch										
-3								8	10	
-4	10	11	5	6	10	12	14	16	14	16
-5	13	15	7	9					18	20
-6	17	19	12	15	18	20	24	26	24	26
-8	34	38	20	24	32	40	37	44	50	60
-10	50	56	34	40	46	56	50	60	72	80
-12	70	78	53	60	65	80	75	83	125	135
-14					65	80			160	180
-16	94	104	74	82	92	105	111	125	200	220
-20	124	138	75	83	125	140	133	152	210	280
-24	156	173	79	87	150	180	156	184	270	360
-32	219	243	158	175						

### DIN 24/60 & Inverted Cone

Size		Torque	
mm		ft-lb	
Light Tube OD	Heavy Tube OD	Min	Max
6		7	15
8		15	26
10	8	18	30
12	10	22	33
14	12	26	37
15	14	30	52
	16	30	52
18	20	44	74
22	25	59	89
28	30	74	111
	38	74	162
35		133	184
42		148	221

### 4-Bolt Flanges

Dash Size	Bolt Size	Torque
1/16 inch	inch	ft-lb
-8	0.31	17
-12	0.38	26
-16	0.44	43
-20	0.5	65
-24	0.63	130
-32	0.75	220

Note:  
 1. Align faces and finger tighten bolts before applying final torque in a pattern. The seal faces must be parallel with even bolt tension to seal properly.  
 2. Torque values apply to bolts which are plated or coated in light engine oil.  
 3. Before assembly lubricate O-ring with light oil (SAE 10W or 20W).

### NPTF

Dash Size	Max Torque
1/16 inch	ft-lb
-2	20
-4	25
-6	35
-8	45
-12	55
-16	65
-20	80
-24	95
-32	120

Note:  
 1. The torque values obtained from tightening pipe threads can vary considerably depending on thread condition. Adequate sealing can occur at values much lower than the maximum values listed above. Only enough torque to achieve adequate sealing should be used.  
 2. When using a male tapered pipe thread with a female straight or parallel pipe thread, maximum values are 50% of those listed in the table.  
 3. If thread sealant is used, maximum values shown should be decreased by 25%.

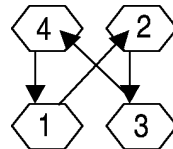
### Flats Method Values

Termination Type	Dash Size	Flats
	1/16 in	
JIS	4	0.5 – 1.5
JIC	4	1.5 – 1.75
JIC	6	1.0 – 1.5
JIC	8	1.5 – 1.75
JIC	10	1.0 – 1.5
JIC	12	1.0 – 1.5
JIC	16	.75 – 1.0
JIC	20	.75 – 1.0
JIC	24	.75 – 1.0
JIC	32	.75 – 1.0

Note:  
 1. Seal faces must be in contact and the fitting fully hand tightened before marking flats.  
 2. Flats method is most accurate for the first assembly cycle, for multiple disassembly/assembly cycles torque values are more reliable.  
 3. Tightening two flats or more is analogous to severe over torque and may damage seal faces.

### BSP 30° & JIS

Dash Size	Torque	
	ft-lb	
1/16 inch	Min	Max
-2	7	9
-4	11	18
-6	19	28
-8	30	36
-10	37	44
-12	50	60
-16	79	95
-20	127	152
-24	167	190
-32	262	314



### SAE Male Flareless Assembly (MFA)

After hand tight (when the sleeve bites the tube) rotate nut one full turn (eight flats).

Conversion	Formula
ft-lb to N-m	[ft-lb]*1.3558 = [N-m]
ft-lb to in-lb	[ft-lb]*12 = [in-lb]
N-m to in-lb	[N-m]*8.8508 = [in-lb]

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



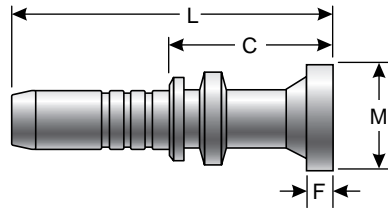


## Notes



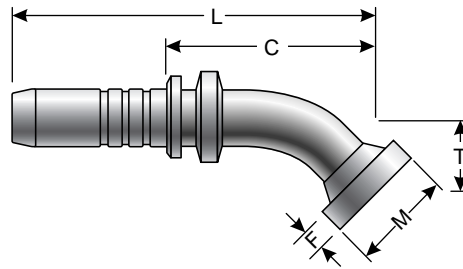
# G8K Couplings

## Caterpillar Style O-Ring Flange



Descr.	Prod. No.	⊖		M		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	
12G8K-12FLC	7347-80215	3/4	19.1	1.62	41.2	5.93	150.6	2.95	75.0	.56	14.2	.88
16G8K-16FLC	7347-80015	1	25.4	1.87	47.5	5.64	143.3	2.96	75.2	.56	14.2	1.20

## Caterpillar Style O-Ring Flange - 45° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12G8K-12FLC45-034	7347-80225	3/4	19.1	1.62	41.2	1.35	34.3	6.65	168.9	3.68	93.5	.56	14.2	1.07
16G8K-16FLC45-050	7347-80025	1	25.4	1.87	47.5	1.97	50.0	7.76	197.1	5.08	129.0	.56	14.2	1.90

EQUIPMENT
HOSE/CPLG. SELECTION
<b>G8K COUPLINGS</b>
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



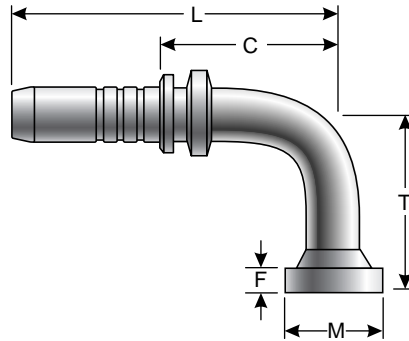




EQUIPMENT
HOSE/CPLG. SELECTION
<b>G8K COUPLINGS</b>
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

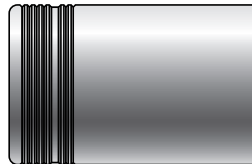
# G8K Couplings

## Caterpillar Style O-Ring Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12G8K-12FLC90-070	7347-80235	3/4	19.1	1.62	41.2	2.76	70.1	6.18	157.0	3.22	81.8	.56	14.2	1.24
16G8K-16FLC90-093	7347-80055	1	25.4	1.87	47.5	3.66	93.0	6.46	164.1	3.79	96.3	.56	14.2	2.13
16G8K-16FLC90-117	7347-80045	1	25.4	1.87	47.5	4.61	117.1	6.46	164.1	3.79	96.3	.56	14.2	2.35

## G8K Ferrule for G8K Spiral Hose

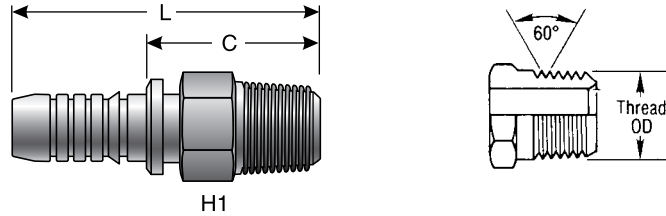


Descr.	Prod. No.	⊖		L		Weight
		"	mm	"	mm	Lbs.
12G8K1F	7347-80205	3/4	19.1	2.56	65.0	.90
16G8K1F	7347-80065	1	25.4	2.60	66.0	.54



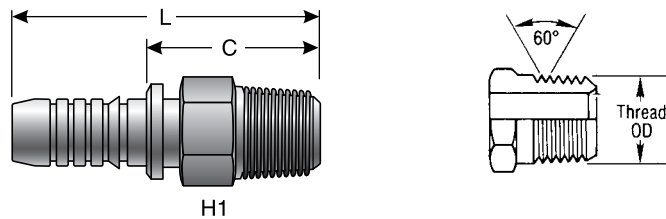
# GlobalSpiral™ Couplings

## Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
6GS-6MP	7347-20145	3/8	9.5	3/8-18	11/16	—	2.72	69.1	1.31	33.3	.10
6GS-8MP	7347-20155	3/8	9.5	1/2-14	7/8	—	2.87	72.9	1.46	37.1	.15
8GS-8MP	7347-20245	1/2	12.7	1/2-14	7/8	—	2.91	73.9	1.43	36.3	.11
8GS-12MP	7347-20265	1/2	12.7	3/4-14	1 1/16	—	3.03	77.0	1.56	39.6	.31
10GS-8MP	7347-20335	5/8	15.9	1/2-14	15/16	—	3.35	85.1	1.34	34.0	.26
10GS-12MP	7347-20355	5/8	15.9	3/4-14	1 1/8	—	3.58	90.9	1.60	40.6	.33
12GS-8MP	7347-20425	3/4	19.1	1/2-14	1 1/16	—	3.54	89.9	1.54	39.1	.35
12GS-12MP	7347-20445	3/4	19.1	3/4-14	1 1/16	—	3.54	89.9	1.54	39.1	.55
12GS-16MP	7347-20465	3/4	19.1	1-11 1/2	1 3/8	—	3.82	97.0	1.81	46.0	.57
16GS-12MP	7347-20535	1	25.4	3/4-14	1 3/8	—	3.98	101.1	1.74	44.2	.33
16GS-16MP	7347-20555	1	25.4	1-11 1/2	1 3/8	—	4.17	105.9	1.94	49.3	.53
16GS-20MP	7347-20565	1	25.4	1 1/4-11 1/2	1 3/4	—	4.29	109.0	2.06	52.3	.57
20GS-20MP	7347-20645	1 1/4	31.8	1 1/4-11 1/2	1 3/4	—	5.00	127.0	2.20	55.9	1.25
24GSP-24MP	7347-20725	1 1/2	38.1	1 1/2-11 1/2	2	—	5.24	133.1	2.34	59.4	.60
32GSP-32MP	7347-20795	2	50.8	2-11 1/2	2.50	—	6.05	153.7	2.43	61.7	2.30

## Male Pipe (NPTF - 30° Cone Seat) - API Threads



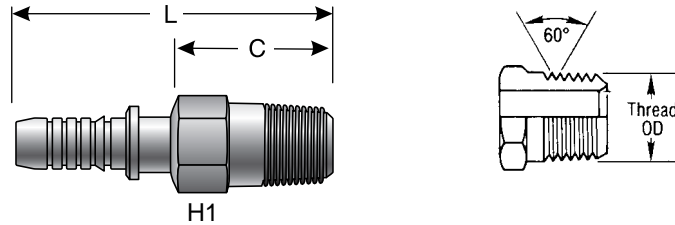
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
20GS-20MPAPI	7347-76955	1 1/4	31.8	1 1/4-11 1/2	1 3/4	—	5.51	140.0	2.70	68.6	1.35
24GSP-24MPAPI	7347-85665	1 1/2	38.1	1 1/2-11 1/2	2	—	5.45	138.4	2.65	67.3	2.25
32GSP-32MPAPI	7347-85415	2	50.8	2-11 1/2	2.50	—	7.90	200.7	4.28	108.7	3.87

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# GlobalSpiral™ Couplings

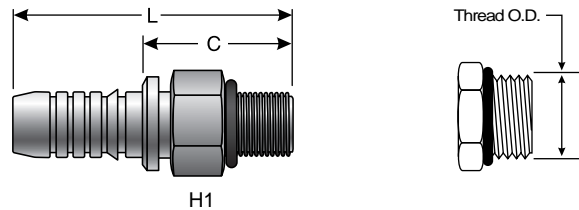
## Male Pipe (NPTF - 30° Cone Seat) - Long Hex



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
16GS-16MPLH	7347-76545	1	25.4	1-11 1/2	1 3/8	—	5.16	131.1	2.92	74.2	.93
24GSP-24MPLHX	7347-20745	1 1/2	38.1	1 1/2-11 1/2	2.00	—	6.29	159.8	3.40	86.4	1.97

## Male O-Ring Boss

SAE J1926/2 ISO 11926-2 Heavy Duty (S Series) Stud End.

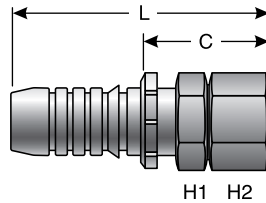



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
6GS-6MB	7347-21145	3/8	9.5	9/16-18	11/16	—	2.56	65.0	1.15	29.2	.11
8GS-8MB	7347-21245	1/2	12.7	3/4-16	7/8	—	2.76	70.1	1.26	32.0	.13
8GS-10MB	7347-21255	1/2	12.7	7/8-14	1	—	2.83	71.9	1.34	34.0	.15
10GS-10MB	7347-21345	5/8	15.9	7/8-14	1	—	3.46	87.9	1.48	37.6	.29
10GS-12MB	7347-21355	5/8	15.9	1 1/16-12	1 1/4	—	3.46	87.9	1.48	37.6	.40
12GS-12MB	7347-21445	3/4	19.1	1 1/16-12	1 1/4	—	3.66	93.0	1.65	41.9	.45
12GS-16MB	7347-21465	3/4	19.1	1 5/16-12	1 1/2	—	3.54	89.9	1.54	39.1	.60
16GS-12MB	7347-21535	1	25.4	1 1/16-12	1 3/8	—	3.98	101.1	1.74	44.2	.06
16GS-16MB	7347-21555	1	25.4	1 5/16-12	1 1/2	—	3.86	98.1	1.62	41.2	.64
16GS-20MB	7347-21565	1	25.4	1 5/8-12	1 7/8	—	4.53	115.1	1.62	41.2	.97
20GS-20MB	7347-21645	1 1/4	31.8	1 5/8-12	1 7/8	—	4.53	115.1	1.73	43.9	1.08

# GlobalSpiral™ Couplings

## Female MegaSeal® Swivel

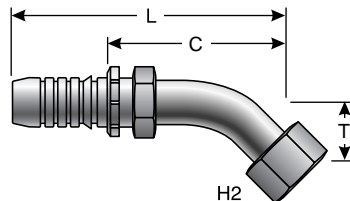
Gates High Performance Replacement for Female JIC Fittings - Connects to Standard Male JIC Termination.




Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
12GS-12FMX	7347-69445	3/4	19.1	1 1/16-12	1 1/8	1 1/4	4.02	102.1	2.02	51.3	.51
12GS-16FMX	7347-69465	3/4	19.1	1 5/16-12	1 1/8	1 1/2	4.06	103.1	2.06	52.3	.62
16GS-16FMX	7347-69555	1	25.4	1 5/16-12	1 1/2	1 1/2	4.37	111.0	2.15	54.6	1.22
20GS-20FMX	7347-69645	1 1/4	31.8	1 5/8-12	1 7/8	2	5.36	136.1	2.56	65.0	1.69

## Female MegaSeal® Swivel - 45° Bent Tube

Gates High Performance Replacement for Female JIC Fittings - Connects to Standard Male JIC Termination.



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Weight	
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
12GS-12FMX45-032	7347-73275	3/4	19.1	1 1/16-12	—	1 1/4	1.26	32.0	5.08	129.0	3.07	78.0	.68
16GS-16FMX45-038	7347-70555	1	25.4	1 5/16-12	—	1 1/2	1.50	38.1	6.26	159.0	4.04	102.6	1.33
20GS-20FMX45-041	7347-70645	1 1/4	31.8	1 5/8-12	—	2	1.61	40.9	7.47	189.7	4.67	118.6	2.47

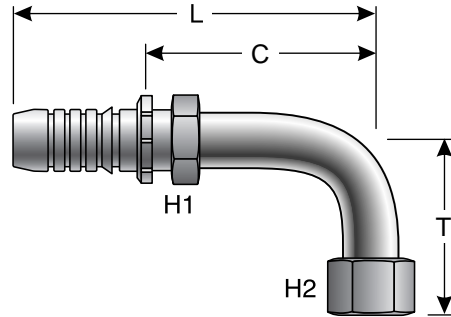
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
<b>GLOBALSPIRAL COUPLINGS</b>
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# GlobalSpiral™ Couplings

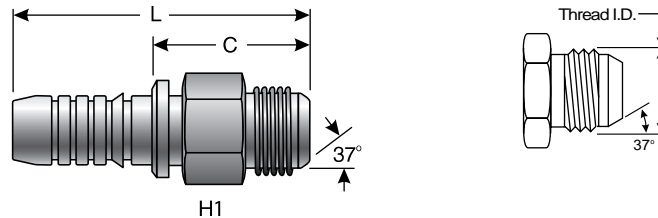
## Female MegaSeal® Swivel - 90° Bent Tube

Gates High Performance Replacement for Female JIC Fittings - Connects to Standard Male JIC Termination.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	"	mm	
12GS-12FMX90-048	7347-71445	3/4	19.1	1 1/16-12	—	1 1/4	1.89	48.0	4.72	119.9	2.72	69.1	.70
12GS-12FMX90-058	7347-71395	3/4	19.1	1 1/16-12	—	1 1/4	2.28	57.9	4.72	119.9	2.72	69.1	.77
12GS-12FMX90-096	7347-71405	3/4	19.1	1 1/16-12	—	1 1/4	3.78	96.0	4.72	119.9	2.72	69.1	.90
12GS-16FMX90-056	7347-71465	3/4	19.1	1 5/16-12	—	1 1/2	2.20	55.9	5.39	136.9	3.39	86.1	1.23
16GS-16FMX90-056	7347-71555	1	25.4	1 5/16-12	—	1 1/2	2.20	55.9	5.67	144.0	3.45	87.6	1.26
16GS-16FMX90-071	7347-71505	1	25.4	1 5/16-12	—	1 1/2	2.80	71.1	5.67	144.0	3.45	87.6	1.39


## Male JIC 37° Flare



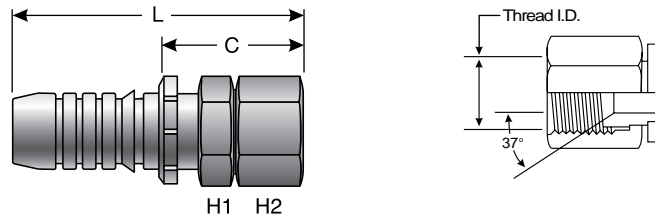
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
6GS-6MJ	7347-22145	3/8	9.5	9/16-18	11/16	—	2.60	66.0	1.19	30.2	.10
6GS-8MJ	7347-22155	3/8	9.5	3/4-16	13/16	—	2.76	70.1	1.35	34.3	.14
6GS-10MJ	7347-22165	3/8	9.5	7/8-14	15/16	—	3.03	77.0	1.62	41.2	.25
8GS-8MJ	7347-22245	1/2	12.7	3/4-16	13/16	—	2.83	71.9	1.36	34.5	.11
8GS-10MJ	7347-22255	1/2	12.7	7/8-14	7/8	—	2.95	74.9	1.48	37.6	.18
10GS-10MJ	7347-22345	5/8	15.9	7/8-14	15/16	—	3.62	92.0	1.64	41.7	.26
10GS-12MJ	7347-22355	5/8	15.9	1 1/16-12	1 1/16	—	3.70	94.0	1.72	43.7	.37
12GS-12MJ	7347-22445	3/4	19.1	1 1/16-12	1 1/8	—	3.66	93.0	1.65	41.9	.40
12GS-14MJ	7347-22455	3/4	19.1	1 3/16-12	1 1/4	—	3.70	94.0	1.69	42.9	.49
12GS-16MJ	7347-22465	3/4	19.1	1 5/16-12	1 5/16	—	3.78	96.0	1.77	45.0	.60
16GS-16MJ	7347-22555	1	25.4	1 5/16-12	1 3/8	—	4.09	103.9	1.86	47.2	.57
16GS-20MJ	7347-22585	1	25.4	1 5/8-12	1 3/4	—	4.27	108.5	2.04	51.8	.95
20GS-20MJ	7347-22645	1 1/4	31.8	1 5/8-12	1 3/4	—	4.92	125.0	2.12	53.9	1.28
24GSP-20MJ	7347-81455	1 1/2	38.1	1 5/8-12	1.97	—	5.00	127.0	2.10	53.3	1.22


# GlobalSpiral™ Couplings

## Male JIC 37° Flare - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
24GSP-24MJ	7347-81465	1 1/2	38.1	1 7/8-12	1.97	—	5.12	130.1	2.22	56.4	1.28
32GSP-32MJ	7347-81535	2	50.8	2 1/2-12	2.56	—	6.34	161.0	2.72	69.1	2.67

## Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
6GS-6FJX	7347-24145	3/8	9.5	9/16-18	3/4	3/4	2.72	69.1	1.31	33.3	.12
6GS-8FJX	7347-24155	3/8	9.5	3/4-16	3/4	7/8	2.80	71.1	1.39	35.3	.14
8GS-8FJX	7347-24245	1/2	12.7	3/4-16	7/8	7/8	2.83	71.9	1.36	34.5	.31
8GS-10FJX	7347-24255	1/2	12.7	7/8-14	7/8	1 1/16	2.99	76.0	1.51	38.4	.25
8GS-12FJX	7347-24265	1/2	12.7	1 1/16-12	7/8	1 1/4	3.03	77.0	1.56	39.6	.51
10GS-10FJXMM	7347-82175	5/8	15.9	7/8-14	1	1 1/16	3.68	93.5	1.70	43.2	.38
10GS-12FJX	7347-24355	5/8	15.9	1 1/16-12	1	1 1/4	3.74	95.0	1.76	44.7	.42
12GS-10FJX	7347-24435	3/4	19.1	7/8-14	1 1/16	1 1/8	3.87	98.3	1.87	47.5	.44
12GS-12FJX	7347-24445	3/4	19.1	1 1/16-12	1	1 1/4	3.87	98.3	1.86	47.2	.46
12GS-14FJX	7347-24455	3/4	19.1	1 3/16-12	1 1/8	1 3/8	4.06	103.1	2.06	52.3	.55
12GS-16FJX	7347-24465	3/4	19.1	1 5/16-12	1 1/4	1 1/2	4.02	102.1	2.01	51.1	.51
16GS-12FJX	7347-24535	1	25.4	1 1/16-12	1 3/8	1 3/8	4.25	108.0	2.00	50.8	.57
16GS-14FJX	7347-24545	1	25.4	1 3/16-12	1 3/8	1 1/2	4.25	108.0	2.01	51.1	.73
16GS-16FJX	7347-24555	1	25.4	1 5/16-12	1 1/2	1 1/2	4.30	109.2	2.07	52.6	.70
16GS-20FJX	7347-24565	1	25.4	1 5/8-12	1 1/2	2	4.53	115.1	2.31	58.7	1.20
20GS-16FJX	7347-24635	1 1/4	31.8	1 5/16-12	1 3/4	1 5/8	5.08	129.0	2.28	57.9	1.19
20GS-20FJX	7347-24645	1 1/4	31.8	1 5/8-12	1 7/8	2	5.29	134.4	2.56	65.0	1.39
20GS-24FJX	7347-24655	1 1/4	31.8	1 7/8-12	1 7/8	2 3/8	5.39	136.9	2.59	65.8	2.07
24GSP-24FJX	7347-82455	1 1/2	38.1	1 7/8-12	1.97	2.36	5.64	143.3	2.74	69.6	2.16
24GSP-32FJX	7347-82465	1 1/2	38.1	2 1/2-12	2.56	2.98	6.88	174.8	3.17	80.5	3.00
32GSP-32FJX	7347-82525	2	50.8	2 1/2-12	2.56	2.95	6.80	172.7	3.17	80.5	3.64

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

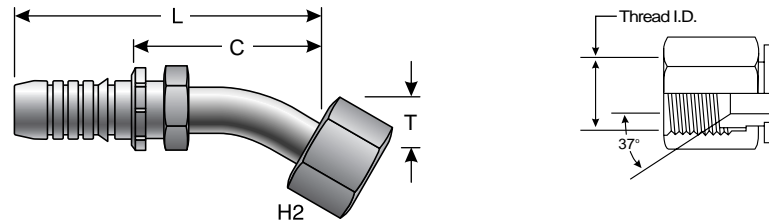




# GlobalSpiral™ Couplings

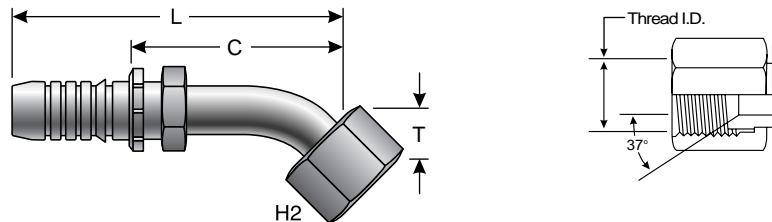
## Female JIC 37° Flare Swivel - 30° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-S.



Descr.	Prod. No.	⌀		Thread	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
16GS-16FJX30M	7347-73055	1	25.4	1 5/16-12	—	1 1/2	1.06	26.9	6.02	152.9	3.80	96.5	.95

## Female JIC 37° Flare Swivel - 45° Bent Tube

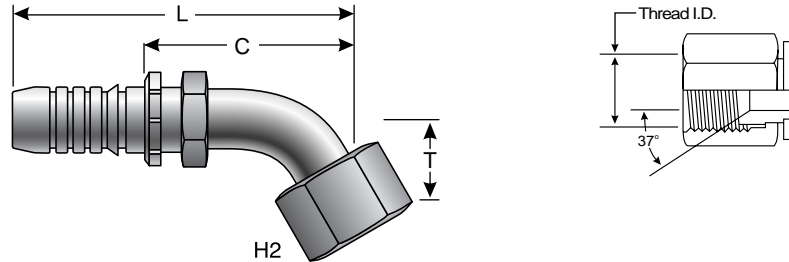


Descr.	Prod. No.	⌀		Thread	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
6GS-6FJX45S	7347-25145	3/8	9.5	9/16-18	3/4	3/4	.43	10.9	3.23	82.0	1.82	46.2	.15
6GS-8FJX45S	7347-25155	3/8	9.5	3/4-16	3/4	7/8	.59	15.0	3.66	93.0	2.25	57.2	.18
8GS-8FJX45S	7347-25245	1/2	12.7	3/4-16	7/8	7/8	.59	15.0	3.70	94.0	2.22	56.4	.20
8GS-10FJX45S	7347-25255	1/2	12.7	7/8-14	7/8	1 1/16	.63	16.0	3.58	90.9	2.11	53.6	.24
10GS-10FJXMM45-018	7347-83275	5/8	15.9	7/8-14	—	1 1/16	.71	18.0	4.45	113.0	2.48	63.0	.48
10GS-12FJX45S	7347-25355	5/8	15.9	1 1/16-12	1	1 1/4	.83	21.1	4.80	121.9	2.82	71.6	.55
12GS-12FJX45S	7347-25445	3/4	19.1	1 1/16-12	—	1 1/4	.83	21.1	5.12	130.1	3.11	79.0	.66
12GS-16FJX45S	7347-25465	3/4	19.1	1 5/16-12	—	1 1/2	.94	23.9	5.39	136.9	3.39	86.1	.81
16GS-16FJX45M	7347-26555	1	25.4	1 5/16-12	—	1 1/2	1.50	38.1	6.30	160.0	4.07	103.4	.99
16GS-16FJX45S	7347-25555	1	25.4	1 5/16-12	1 1/2	1 1/2	.94	23.9	5.98	151.9	3.77	95.8	.95
16GS-20FJX45S	7347-25565	1	25.4	1 5/8-12	—	2	.98	24.9	6.46	164.1	4.23	107.4	1.65
20GS-20FJX45-038	7347-76175	1 1/4	31.8	1 5/8-12	—	2	1.50	38.1	7.09	180.1	4.29	109.0	2.02
24GSP-24FJX45-050	7347-83735	1 1/2	38.1	1 7/8-12	2.16	2.36	1.97	50.0	9.17	232.9	6.28	159.5	3.16



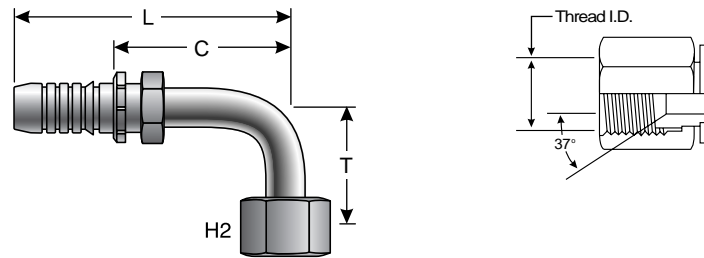
# GlobalSpiral™ Couplings

## Female JIC 37° Flare Swivel - 60° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
12GS-12FJX60-043	7347-76795	3/4	19.1	1 1/16-12	—	1 1/4	1.69	42.9	5.59	142.0	3.58	90.9	.07

## Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
6GS-6FJX90L	7347-29145	3/8	9.5	9/16-18	3/4	3/4	2.13	54.1	3.39	86.1	1.98	50.3	.17
6GS-6FJX90S	7347-27145	3/8	9.5	9/16-18	3/4	3/4	.91	23.1	3.11	79.0	1.70	43.2	.15
6GS-6FJXMM90M	7347-84045	3/8	9.5	9/16-18	7/8	3/4	1.50	38.1	3.11	79.0	1.70	43.2	.09
6GS-8FJX90-083	7347-76785	3/8	9.5	3/4-16	3/4	7/8	3.27	83.1	3.58	90.9	2.17	55.1	.03
6GS-8FJX90M	7347-28155	3/8	9.5	3/4-16	3/4	7/8	1.61	40.9	3.58	90.9	2.17	55.1	.24
8GS-8FJX90L	7347-29245	1/2	12.7	3/4-16	7/8	7/8	2.52	64.0	3.62	92.0	2.15	54.6	.66
8GS-8FJX90M	7347-28245	1/2	12.7	3/4-16	7/8	7/8	1.61	40.9	3.62	92.0	2.15	54.6	.55
8GS-8FJX90S	7347-27245	1/2	12.7	3/4-16	7/8	7/8	1.14	29.0	3.39	86.1	1.91	48.5	.44
8GS-8FJX90XL	7347-73065	1/2	12.7	3/4-16	7/8	7/8	4.06	103.1	3.62	92.0	2.15	54.6	.40
8GS-10FJX90L	7347-29255	1/2	12.7	7/8-14	7/8	1 1/16	3.27	83.1	3.74	95.0	2.26	57.4	.46
8GS-10FJX90M	7347-28165	1/2	12.7	7/8-14	7/8	1 1/16	1.85	47.0	3.50	88.9	2.01	51.1	.35
8GS-10FJX90S	7347-27255	1/2	12.7	7/8-14	7/8	1 1/16	1.26	32.0	3.62	92.0	2.15	54.6	.29
8GS-12FJX90S	7347-27265	1/2	12.7	1 1/16-12	7/8	1 1/4	1.89	48.0	4.37	111.0	2.89	73.4	.46
10GS-10FJXMM90-036	7347-84275	5/8	15.9	7/8-14	—	1 1/16	1.42	36.1	4.37	111.0	1.70	43.2	.52
10GS-10FJXMM90M	7347-84285	5/8	15.9	7/8-14	1	1 1/16	1.85	47.0	4.21	106.9	2.23	56.6	.54
10GS-12FJX90M	7347-28355	5/8	15.9	1 1/16-12	1	1 1/4	2.28	57.9	4.76	120.9	2.78	70.6	.58
12GS-12FJX90L	7347-29445	3/4	19.1	1 1/16-12	—	1 1/4	3.78	96.0	4.45	113.0	2.44	62.0	.90
12GS-12FJX90M	7347-28445	3/4	19.1	1 1/16-12	—	1 1/4	2.28	57.9	4.45	113.0	2.44	62.0	.77
12GS-12FJX90S	7347-27445	3/4	19.1	1 1/16-12	—	1 1/4	1.89	48.0	4.45	113.0	2.44	62.0	.75
12GS-14FJX90-060	7347-28455	3/4	19.1	1 3/16-12	—	1 3/8	2.36	59.9	5.55	141.0	3.54	89.9	.92

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS







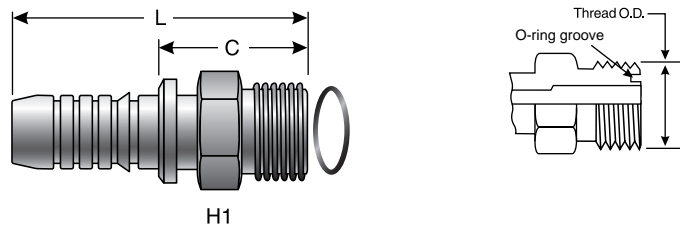
# GlobalSpiral™ Couplings

## Female JIC 37° Flare Swivel - 90° Bent Tube - Cont'd

Equip. Selection	Descr.	Prod. No.	⊖		H1	H2	T		L		C		Weight	
			"	mm			"	mm	"	mm	"	mm		
G8K COUPLINGS	12GS-16FJX90L	7347-29465	3/4	19.1	1 5/16-12	—	1 1/2	4.49	114.1	5.32	135.1	3.31	84.1	1.27
	12GS-16FJX90M	7347-28465	3/4	19.1	1 5/16-12	—	1 1/2	2.80	71.1	5.31	134.9	3.31	84.1	.92
GLOBALSPIRAL COUPLINGS	12GS-16FJX90S	7347-27465	3/4	19.1	1 5/16-12	—	1 1/2	2.20	55.9	5.31	134.9	3.31	84.1	.92
	16GS-16FJX90L	7347-29555	1	25.4	1 5/16-12	1 1/2	1 1/2	4.33	110.0	5.67	144.0	3.45	87.6	1.06
PCM/PCS FERRULES	16GS-16FJX90M	7347-28555	1	25.4	1 5/16-12	1 1/2	1 1/2	2.80	71.1	5.67	144.0	3.45	87.6	1.01
	16GS-16FJX90S	7347-27555	1	25.4	1 5/16-12	—	1 1/2	2.20	55.9	5.67	144.0	3.45	87.6	1.20
MEGACRIMP COUPLINGS	16GS-20FJX90L	7347-29565	1	25.4	1 5/8-12	1 1/2	2	5.08	129.0	6.06	153.9	3.84	97.5	2.54
	20GS-20FJX90L	7347-29645	1 1/4	31.8	1 5/8-12	—	2	5.08	129.0	6.85	174.0	4.05	102.9	3.18
STAINLESS STEEL	20GS-20FJX90M	7347-28645	1 1/4	31.8	1 5/8-12	—	2	3.07	78.0	6.85	174.0	4.05	102.9	2.80
	20GS-20FJX90S	7347-27645	1 1/4	31.8	1 5/8-12	—	2	2.52	64.0	6.85	174.0	4.05	102.9	2.61
POWER CRIMP COUPLINGS	20GS-24FJX90M	7347-28655	1 1/4	31.8	1 7/8-12	—	2 3/8	3.39	86.1	7.32	185.9	4.52	114.8	3.32
	24GSP-24FJX90-089	7347-84745	1 1/2	38.1	1 7/8-12	2.16	2.36	3.50	88.9	8.35	212.1	5.45	138.4	1.52
LOC, GL AND GLP COUPLINGS	24GSP-24FJX90-118	7347-84755	1 1/2	38.1	1 7/8-12	2.16	2.36	4.65	118.1	7.46	189.5	4.56	115.8	1.55
	32GSP-32FJX90M	7347-84785	2	50.8	2 1/2-12	2.56	2.95	5.51	140.0	10.71	272.0	7.07	179.6	6.44

## Male Flat-Face O-Ring

Includes Peroxide-cured O-Ring  
 Metric Hex per ISO Draft International Standard 12151-1.  
 Utilizes SAE J1453 Captive O-Ring Groove for Improved O-Ring Retention.



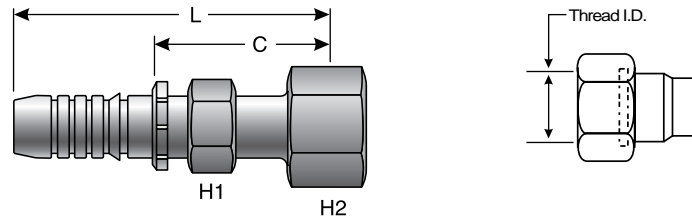
Equip. Selection	Descr.	Prod. No.	⊖		H1	H2	L		C		Weight	
			"	mm			"	mm	"	mm		
FIELD ATTACHABLE G1 AND G2 COUPLINGS	6GS-6MFFOR	7347-23865	3/8	9.5	11/16-16	19.0	—	2.52	64.0	1.11	28.2	.12
	8GS-8MFFOR	7347-23825	1/2	12.7	13/16-16	22.0	—	2.68	68.1	1.20	30.5	.20
SURELOK AIR BRAKE COUPLINGS	8GS-10MFFOR	7347-23895	1/2	12.7	1-14	27.0	—	2.91	73.9	1.44	36.6	.13
	10GS-10MFFOR	7347-23875	5/8	15.9	1-14	27.0	—	3.42	86.9	1.44	36.6	.03
ADAPTERS	10GS-12MFFOR	7347-23885	5/8	15.9	1 3/16-12	32.0	—	3.50	88.9	1.52	38.6	.45
	12GS-12MFFOR	7347-23835	3/4	19.1	1 3/16-12	32.0	—	3.50	88.9	1.50	38.1	.44
QUICK DISCONNECT COUPLERS	12GS-16MFFOR	7347-23845	3/4	19.1	1 7/16-12	41.0	—	3.74	95.0	1.73	43.9	.81
	16GS-16MFFOR	7347-23815	1	25.4	1 7/16-12	41.0	—	4.02	102.1	1.78	45.2	1.23
LIVE SWIVEL	16GS-20MFFOR	7347-23925	1	25.4	1 11/16-12	50.0	—	4.70	119.4	1.78	45.2	1.08
	20GS-20MFFOR	7347-23855	1 1/4	31.8	1 11/16-12	50.0	—	4.72	119.9	1.93	49.0	1.19
BALL VALVES	24GSP-24MFFOR	7347-23905	1 1/2	38.1	2-12	55.0	—	5.12	130.1	2.22	56.4	1.67



# GlobalSpiral™ Couplings

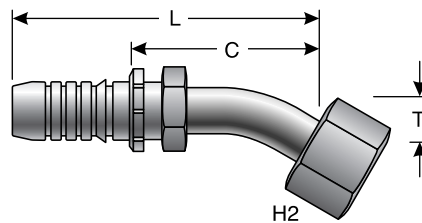
## Female Flat-Face O-Ring Swivel

Metric Hex per ISO Draft International Standard 12151-1.  
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
6GS-6FFORX	7347-30145	3/8	9.5	11/16-16	22.0	22.0	2.72	69.1	1.31	33.3	.15
6GS-8FFORX	7347-30155	3/8	9.5	13/16-16	22.0	24.0	2.83	71.9	1.43	36.3	.24
8GS-8FFORX	7347-30245	1/2	12.7	13/16-16	27.0	24.0	2.87	72.9	1.40	35.6	.15
8GS-10FFORX	7347-30255	1/2	12.7	1-14	27.0	30.0	3.07	78.0	1.59	40.4	.40
8GS-12FFORX	7347-30265	1/2	12.7	1 3/16-12	27.0	36.0	3.11	79.0	1.63	41.4	.44
10GS-10FFORX	7347-30345	5/8	15.9	1-14	30.0	30.0	3.70	94.0	1.72	43.7	.37
10GS-12FFORX	7347-30355	5/8	15.9	1 3/16-12	30.0	36.0	3.74	95.0	1.76	44.7	.56
12GS-10FFORX	7347-30435	3/4	19.1	1-14	32.0	30.0	3.82	97.0	1.81	46.0	.48
12GS-12FFORX	7347-30445	3/4	19.1	1 3/16-12	32.0	36.0	1.95	49.5	1.89	48.1	.64
12GS-16FFORX	7347-30465	3/4	19.1	1 7/16-12	32.0	41.0	4.06	103.1	2.05	52.1	.88
12GS-20FFORX	7347-30475	3/4	19.1	1 11/16-12	32.0	50.0	3.91	99.3	1.90	48.3	.91
16GS-12FFORX	7347-30535	1	25.4	1 3/16-12	36.0	36.0	5.15	130.8	2.92	74.2	.42
16GS-16FFORX	7347-30555	1	25.4	1 7/16-12	41.0	41.0	4.36	110.7	2.14	54.4	1.04
16GS-20FFORX	7347-30565	1	25.4	1 11/16-12	41.0	50.0	4.36	110.7	2.14	54.4	1.15
20GS-20FFORX	7347-30645	1 1/4	31.8	1 11/16-12	50.0	50.0	5.04	128.0	2.24	56.9	1.62
20GS-24FFORX	7347-30655	1 1/4	31.8	2-12	50.0	60.0	5.12	130.1	2.32	58.9	1.94
24GSP-24FFORX	7347-30725	1 1/2	38.1	2-12	55.0	2.0	5.17	131.3	2.37	60.2	1.93

## Female Flat-Face O-Ring Swivel - 22½° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight
		"	mm				"	mm	"	mm	"	mm	
16GS-16FFORX22-011	7347-78615	1	25.4	1 7/16-12	—	41.0	.43	10.9	5.87	149.1	3.68	93.5	1.18

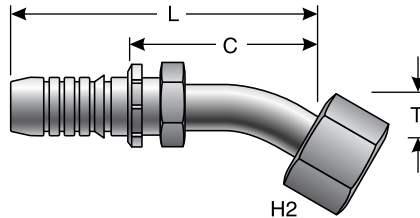
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





# GlobalSpiral™ Couplings

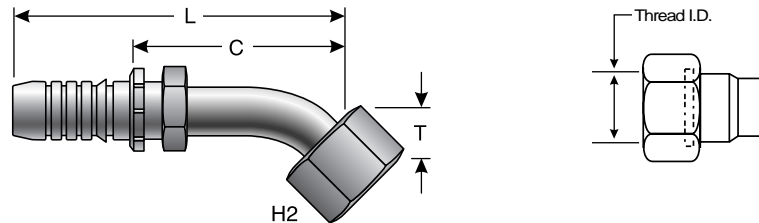
## Female Flat-Face O-Ring Swivel - 30° Bent Tube



Descr.	Prod. No.	⌀		🌀	H1	H2	T		L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
16GS-16FFORX30-14	7347-76345	1	25.4	1 7/16-12	—	41.0	.55	14.0	5.87	149.1	3.64	92.5	.53

## Female Flat-Face O-Ring Swivel - 45° Bent Tube

Metric Hex per ISO Draft International Standard 12151-1.  
SAE J1453 O-Ring Face Seal.



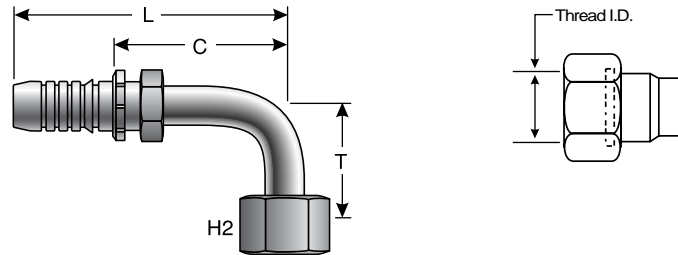
Descr.	Prod. No.	⌀		🌀	H1	H2	T		L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
6GS-6FFORX45S	7347-31145	3/8	9.5	11/16-16	—	22.0	.43	10.9	3.23	82.0	1.82	46.2	.17
6GS-8FFORX45S	7347-31155	3/8	9.5	13/16-16	—	24.0	.59	15.0	3.66	93.0	2.25	57.2	.27
8GS-8FFORX45S	7347-31245	1/2	12.7	13/16-16	—	24.0	.59	15.0	3.70	94.0	2.22	56.4	.28
8GS-10FFORX45S	7347-31255	1/2	12.7	1-14	—	30.0	.63	16.0	3.90	99.1	2.42	61.5	.03
8GS-12FFORX45S	7347-31265	1/2	12.7	1 3/16-12	—	36.0	.83	21.1	4.53	115.1	3.05	77.5	.06
10GS-10FFORX45S	7347-31345	5/8	15.9	1-14	—	30.0	.63	16.0	4.37	111.0	2.39	60.7	.43
12GS-12FFORX45S	7347-31445	3/4	19.1	1 3/16-12	—	36.0	.83	21.1	4.92	125.0	2.91	73.9	.75
12GS-16FFORX45S	7347-31465	3/4	19.1	1 7/16-12	—	24.0	.94	23.9	5.39	136.9	3.39	86.1	.93
16GS-16FFORX45S	7347-31555	1	25.4	1 7/16-12	—	24.0	.94	23.9	5.67	144.0	3.46	87.9	1.15
16GS-20FFORX45S	7347-31565	1	25.4	1 11/16-12	—	50.0	.98	24.9	6.46	164.1	4.24	107.7	1.45
20GS-20FFORX45-032	7347-76045	1 1/4	31.8	1 11/16-12	—	50.0	1.26	32.0	7.09	180.1	4.29	109.0	2.16
24GSP-24FFORX45-036	7347-31725	1 1/2	38.1	2-12	—	2.0	2.70	68.6	7.61	193.3	4.81	122.2	2.65



# GlobalSpiral™ Couplings

## Female Flat-Face O-Ring Swivel - 90° Bent Tube

Metric Hex per ISO Draft International Standard 12151-1.  
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⌀		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		mm	mm	"	mm	"	mm	"	mm	
6GS-6FFORX90L	7347-34145	3/8	9.5	11/16-16	—	22.0	2.13	54.1	3.35	85.1	1.94	49.3	.19
6GS-6FFORX90S	7347-32145	3/8	9.5	11/16-16	—	22.0	.91	23.1	3.07	78.0	1.66	42.2	.17
6GS-8FFORX90M	7347-33155	3/8	9.5	13/16-16	—	24.0	1.61	40.9	3.35	85.1	1.94	49.3	.30
8GS-8FFORX90-083	7347-73845	1/2	12.7	13/16-16	—	24.0	1.61	40.9	3.39	86.1	1.91	48.5	.33
8GS-8FFORX90M	7347-33245	1/2	12.7	13/16-16	—	24.0	1.61	40.9	3.39	86.1	1.91	48.5	.26
8GS-8FFORX90S	7347-32245	1/2	12.7	13/16-16	—	24.0	1.14	29.0	3.39	86.1	1.91	48.5	.30
8GS-10FFORX90L	7347-34255	1/2	12.7	1-14	—	30.0	2.76	70.1	3.98	101.1	2.50	63.5	.05
8GS-10FFORX90M	7347-33255	1/2	12.7	1-14	—	30.0	1.85	47.0	3.98	101.1	2.50	63.5	.75
8GS-10FFORX90S	7347-32255	1/2	12.7	1-14	—	30.0	1.26	32.0	3.98	101.1	2.50	63.5	.03
8GS-12FFORX90S	7347-32265	1/2	12.7	1 3/16-12	—	36.0	1.89	48.0	4.21	106.9	2.74	69.6	.66
10GS-10FFORX90L	7347-34345	5/8	15.9	1-14	—	30.0	2.76	70.1	4.45	113.0	2.44	62.0	.57
10GS-10FFORX90M	7347-33345	5/8	15.9	1-14	—	30.0	1.85	47.0	4.21	106.9	2.20	55.9	.49
10GS-10FFORX90S	7347-32345	5/8	15.9	1-14	—	30.0	1.26	32.0	4.20	106.7	2.22	56.4	.43
10GS-12FFORXMM90S-048	7347-32355	5/8	15.9	1 3/16-12	—	36.0	1.26	32.0	4.21	106.9	2.74	69.6	.07
12GS-10FFORX90S	7347-32435	3/4	19.1	1-14	—	30.0	1.26	32.0	4.37	111.0	2.36	59.9	.62
12GS-12FFORX90L	7347-34445	3/4	19.1	1 3/16-12	—	36.0	3.78	96.0	5.04	128.0	3.03	77.0	1.14
12GS-12FFORX90M	7347-33445	3/4	19.1	1 3/16-12	—	36.0	2.28	57.9	5.04	128.0	3.03	77.0	.92
12GS-12FFORX90S	7347-32445	3/4	19.1	1 3/16-12	—	36.0	1.89	48.0	5.04	128.0	3.03	77.0	.88
12GS-16FFORX90L	7347-34465	3/4	19.1	1 7/16-12	—	41.0	4.49	114.1	5.39	136.9	3.39	86.1	1.32
12GS-16FFORX90M	7347-33465	3/4	19.1	1 7/16-12	—	41.0	2.80	71.1	5.39	136.9	3.39	86.1	1.10
12GS-16FFORX90S	7347-32465	3/4	19.1	1 7/16-12	—	41.0	2.20	55.9	5.39	136.9	3.39	86.1	1.05
16GS-16FFORX90L	7347-34555	1	25.4	1 7/16-12	—	41.0	4.49	114.1	5.67	144.0	3.45	87.6	1.66
16GS-16FFORX90M	7347-33555	1	25.4	1 7/16-12	—	41.0	2.80	71.1	5.67	144.0	3.45	87.6	1.55
16GS-16FFORX90S	7347-32555	1	25.4	1 7/16-12	—	41.0	2.20	55.9	5.67	144.0	3.45	87.6	1.35
16GS-20FFORX90L	7347-34565	1	25.4	1 11/16-12	—	50.0	5.08	129.0	6.05	153.7	3.83	97.3	2.11
16GS-20FFORX90M	7347-33565	1	25.4	1 11/16-12	—	50.0	3.07	78.0	6.05	153.7	3.83	97.3	1.89
16GS-20FFORX90S	7347-32565	1	25.4	1 11/16-12	—	50.0	2.52	64.0	6.06	153.9	3.84	97.5	1.78
20GS-20FFORX90L	7347-34645	1 1/4	31.8	1 11/16-12	—	50.0	5.08	129.0	6.77	172.0	3.97	100.8	2.86
20GS-20FFORX90M	7347-33645	1 1/4	31.8	1 11/16-12	—	50.0	3.07	78.0	6.77	172.0	3.97	100.8	2.46
20GS-20FFORX90S	7347-32645	1 1/4	31.8	1 11/16-12	—	50.0	2.52	64.0	6.77	172.0	3.97	100.8	2.35
20GS-24FFORX90-064	7347-76985	1 1/4	31.8	2-12	—	60.0	2.52	64.0	6.77	172.0	3.97	100.8	2.82
24GSP-24FFORX90L	7347-34725	1 1/2	38.1	2-12	—	2.0	5.54	140.7	7.61	193.3	4.81	122.2	3.11
24GSP-24FFORX90M	7347-33725	1 1/2	38.1	2-12	—	2.0	3.41	86.6	7.61	193.3	4.81	122.2	2.75

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

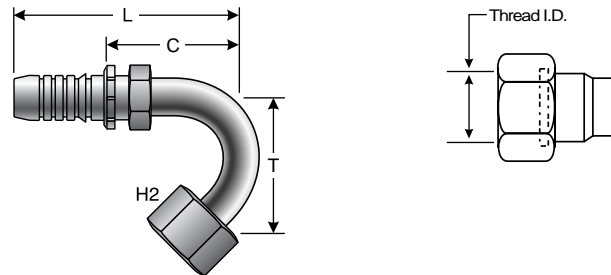




# GlobalSpiral™ Couplings

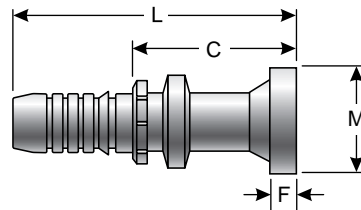
## Female Flat-Face O-Ring Swivel - 135° Bent Tube

Metric Hex per ISO Draft International Standard 12151-1.  
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
12GS-16FFORX135	7347-73795	3/4	19.1	1 7/16-12	—	24.0	2.99	76.0	3.39	86.1	1.48	37.6	1.17

## Code 61 Flange Without O-Ring Groove



Descr.	Prod. No.	⊖		M		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
24GSP-24FLFF	7347-85655	1 1/2	38.1	2.38	60.5	6.02	152.9	3.12	79.3	.32	8.1	1.78

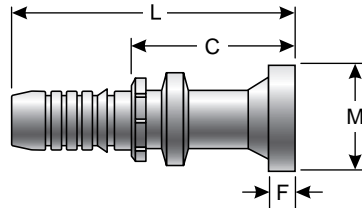
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# GlobalSpiral™ Couplings

## Code 61 O-Ring Flange

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	
6GS-8FL	7347-41155	3/8	9.5	1.19	30.2	3.54	89.9	2.13	54.1	.27	6.9	.22
8GS-8FL	7347-41245	1/2	12.7	1.19	30.2	3.66	93.0	2.19	55.6	.27	6.9	.18
8GS-12FL	7347-41265	1/2	12.7	1.50	38.1	3.86	98.1	2.38	60.5	.27	6.9	.18
8GS-16FL	7347-41285	1/2	12.7	1.75	44.5	2.84	72.1	1.37	34.8	.32	8.1	.46
10GS-12FL	7347-41355	5/8	15.9	1.50	38.1	4.29	109.0	2.31	58.7	.27	6.9	.42
12GS-8FL	7347-41425	3/4	19.1	1.19	30.2	4.41	112.0	2.40	61.0	.27	6.9	.03
12GS-12FL	7347-41445	3/4	19.1	1.50	38.1	4.37	111.0	2.36	59.9	.27	6.9	.53
12GS-16FL	7347-41465	3/4	19.1	1.75	44.5	4.37	111.0	2.36	59.9	.32	8.1	.53
12GS-20FL	7347-41475	3/4	19.1	2.00	50.8	4.37	111.0	2.36	59.9	.32	8.1	.64
16GS-12FL	7347-41535	1	25.4	1.50	38.1	4.65	118.1	2.40	61.0	.27	6.9	.60
16GS-16FL	7347-41555	1	25.4	1.75	44.5	4.92	125.0	2.70	68.6	.32	8.1	.88
16GS-20FL	7347-41565	1	25.4	2.00	50.8	4.92	125.0	2.69	68.3	.32	8.1	.75
16GS-24FL	7347-41575	1	25.4	2.38	60.5	4.92	125.0	1.90	48.3	.32	8.1	1.11
20GS-16FL	7347-41635	1 1/4	31.8	1.75	44.5	5.35	135.9	2.55	64.8	.32	8.1	1.17
20GS-20FL	7347-41645	1 1/4	31.8	2.00	50.8	5.75	146.1	2.95	74.9	.32	8.1	1.51
20GS-24FL	7347-41655	1 1/4	31.8	2.38	60.5	6.30	160.0	3.50	88.9	.32	8.1	1.72
20GS-32FL	7347-41665	1 1/4	31.8	2.81	71.4	5.71	145.0	2.91	73.9	.38	9.7	.17
24GSP-20FL	7347-41715	1 1/2	38.1	2.00	50.8	5.74	145.8	2.85	72.4	.31	7.9	1.51
24GSP-24FL	7347-41725	1 1/2	38.1	2.38	60.5	6.02	152.9	3.12	79.3	.32	8.1	1.98
24GSP-32FL	7347-41735	1 1/2	38.1	2.81	71.4	5.79	147.1	2.99	76.0	.38	9.7	2.05
32GSP-24FL	7347-41785	2	50.8	2.38	60.5	6.53	165.9	2.49	63.3	.32	8.1	2.50
32GSP-32FL	7347-41795	2	50.8	2.81	71.4	6.27	159.3	2.65	67.3	.38	9.7	2.56
32GSP-40FL	7347-41805	2	50.8	3.31	84.1	8.52	216.4	2.99	76.0	.38	9.7	2.87

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

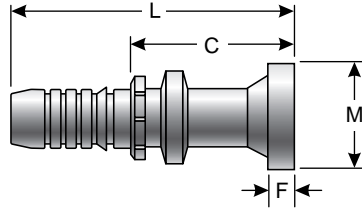




# GlobalSpiral™ Couplings

## Code 61 O-Ring Flange Long Neck

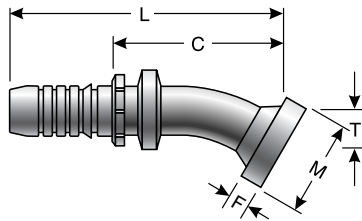
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.  
 S, M and L Drops per ISO Final Draft International Standard 12151-3.  
 See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLL	7347-41455	3/4	19.1	1.50	38.1	5.20	132.1	3.19	81.0	.27	6.9	.60
16GS-16FLL	7347-41545	1	25.4	1.75	44.5	5.63	143.0	3.41	86.6	.32	8.1	1.11
20GS-20FLL	7347-41675	1 1/4	31.8	2.00	50.8	6.26	159.0	3.46	87.9	.32	8.1	1.60

## Code 61 O-Ring Flange - 22½° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.  
 S, M and L Drops per ISO Final Draft International Standard 12151-3.  
 See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-8FL22M	7347-42245	1/2	12.7	1.19	30.2	.35	8.9	3.78	96.0	2.30	58.4	.27	6.9	.24
12GS-12FL22M	7347-42445	3/4	19.1	1.50	38.1	.43	10.9	5.16	131.1	3.15	80.0	.27	6.9	.55
12GS-16FL22M	7347-42465	3/4	19.1	1.75	44.5	.55	14.0	5.24	133.1	3.23	82.0	.32	8.1	.68
16GS-16FL22M	7347-42555	1	25.4	1.75	44.5	.55	14.0	6.10	154.9	3.87	98.3	.32	8.1	1.06
16GS-20FL22M	7347-42565	1	25.4	2.00	50.8	.59	15.0	6.61	167.9	4.37	111.0	.32	8.1	.81
20GS-20FL22M	7347-42645	1 1/4	31.8	2.00	50.8	.59	15.0	7.01	178.1	4.21	106.9	.32	8.1	1.58
20GS-24FL22M	7347-42655	1 1/4	31.8	2.38	60.5	.71	18.0	7.32	185.9	4.52	114.8	.32	8.1	2.09
24GSP-24FL22M	7347-42725	1 1/2	38.1	2.38	60.5	.71	18.0	8.31	211.0	5.41	137.4	.32	8.1	2.58
24GSP-32FL22M	7347-42735	1 1/2	38.1	2.81	71.4	.87	22.1	8.43	214.1	8.43	214.1	.38	9.7	2.91
32GSP-32FL22M	7347-42795	2	50.8	2.81	71.4	.97	24.6	10.83	275.1	8.43	214.1	.38	9.7	4.91

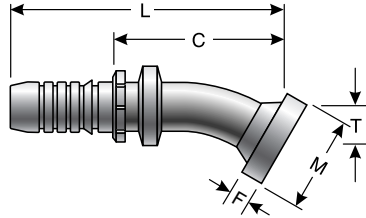


# GlobalSpiral™ Couplings

## Code 61 O-Ring Flange - 30° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.

S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.

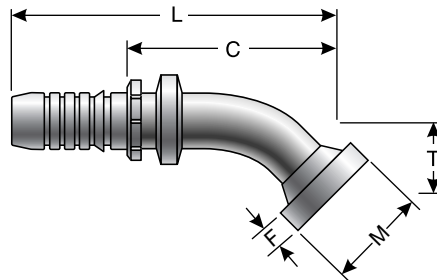


Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-12FL30M	7347-43265	1/2	12.7	1.50	38.1	.63	16.0	3.94	100.1	2.46	62.5	.27	6.9	.35
12GS-12FL30M	7347-43445	3/4	19.1	1.50	38.1	.63	16.0	5.08	129.0	3.07	78.0	.27	6.9	.55
12GS-16FL30M	7347-43465	3/4	19.1	1.75	44.5	.75	19.1	4.76	120.9	2.76	70.1	.32	8.1	.66
16GS-16FL30M	7347-43555	1	25.4	1.75	44.5	.75	19.1	6.02	152.9	3.80	96.5	.32	8.1	1.06
16GS-20FL30M	7347-43565	1	25.4	2.00	50.8	.87	22.1	6.54	166.1	4.29	109.0	.32	8.1	.81
20GS-20FL30M	7347-43645	1 1/4	31.8	2.00	50.8	.87	22.1	6.93	176.0	4.13	104.9	.32	8.1	1.58
20GS-24FL30M	7347-43655	1 1/4	31.8	2.38	60.5	1.18	30.0	7.17	182.1	4.37	111.0	.32	8.1	2.05
24GSP-24FL30S	7347-43725	1 1/2	38.1	2.38	60.5	.98	24.9	8.23	209.0	5.31	134.9	.32	8.1	2.55
24GSP-32FL30M	7347-43735	1 1/2	38.1	2.81	71.4	1.26	32.0	8.27	210.1	5.39	136.9	.38	9.7	2.90
32GSP-32FL30M	7347-43795	2	50.8	2.81	71.4	1.25	31.8	10.70	271.8	7.10	180.3	.38	9.7	4.95

## Code 61 O-Ring Flange - 45° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.

S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
6GS-8FL45M	7347-44155	3/8	9.5	1.19	30.2	.75	19.1	3.66	93.0	2.25	57.2	.27	6.9	.26
8GS-8FL45M	7347-44245	1/2	12.7	1.19	30.2	.75	19.1	3.70	94.0	2.22	56.4	.27	6.9	.29
8GS-12FL45M	7347-44265	1/2	12.7	1.50	38.1	1.02	25.9	3.98	101.1	2.50	63.5	.27	6.9	.38
10GS-12FL45M	7347-44355	5/8	15.9	1.50	38.1	1.02	25.9	5.00	127.0	3.02	76.7	.27	6.9	.53

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
<b>GLOBALSPIRAL COUPLINGS</b>
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS







# GlobalSpiral™ Couplings

## Code 61 O-Ring Flange - 45° Bent Tube - Cont'd

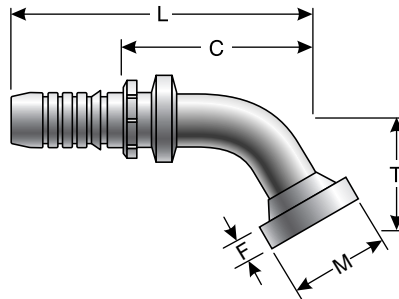
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12GS-12FL45M	7347-44445	3/4	19.1	1.50	38.1	1.02	25.9	4.88	124.0	2.87	72.9	.27	6.9	.53
12GS-16FL45S	7347-73135	3/4	19.1	1.75	44.5	1.10	27.9	4.96	126.0	2.95	74.9	.32	8.1	.68
16GS-16FL45M	7347-44555	1	25.4	1.75	44.5	1.26	32.0	5.79	147.1	3.57	90.7	.32	8.1	1.06
16GS-20FL45M	7347-44565	1	25.4	2.00	50.8	1.50	38.1	6.22	158.0	3.97	100.8	.32	8.1	.84
20GS-16FL45M	7347-44635	1 1/4	31.8	1.75	44.5	1.26	32.0	6.42	163.1	3.62	92.0	.32	8.1	1.37
20GS-20FL45S	7347-73565	1 1/4	31.8	2.00	50.8	1.26	32.0	6.69	169.9	3.89	98.8	.32	8.1	1.60
20GS-24FL45S	7347-73575	1 1/4	31.8	2.38	60.5	1.50	38.1	6.93	176.0	4.13	104.9	.32	8.1	2.10
24GSP-20FL45S	7347-44715	1 1/2	38.1	2.00	50.8	1.26	32.0	7.09	180.1	4.49	114.1	.32	8.1	2.06
24GSP-24FL45S	7347-44725	1 1/2	38.1	2.38	60.5	1.50	38.1	7.95	201.9	5.05	128.3	.32	8.1	2.60
24GSP-32FL45S	7347-44735	1 1/2	38.1	2.81	71.4	2.05	52.1	7.87	199.9	4.97	126.2	.38	9.7	2.89
32GSP-24FL45S	7347-44785	2	50.8	2.38	60.5	1.50	38.1	8.10	205.8	4.48	113.8	.32	8.1	3.05
32GSP-32FL45-066	7347-44805	2	50.8	2.81	71.4	2.60	66.0	10.12	257.1	6.50	165.1	.38	9.7	4.92

## Code 61 O-Ring Flange - 60° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.

S, M and L Drops per ISO Final Draft International Standard 12151-3.

See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
8GS-8FL60M	7347-45245	1/2	12.7	1.19	30.2	1.06	26.9	4.09	103.9	2.62	66.6	.27	6.9	.57
12GS-12FL60M	7347-45445	3/4	19.1	1.50	38.1	1.46	37.1	5.39	136.9	3.39	86.1	.27	6.9	.73
12GS-16FL60M	7347-45465	3/4	19.1	1.75	44.5	1.73	43.9	5.35	135.9	3.35	85.1	.32	8.1	.77
16GS-16FL60M	7347-45555	1	25.4	1.75	44.5	1.73	43.9	6.18	157.0	3.97	100.8	.32	8.1	1.22
16GS-20FL60M	7347-45565	1	25.4	2.00	50.8	2.17	55.1	6.18	157.0	3.94	100.1	.32	8.1	.88
20GS-20FL60M	7347-45645	1 1/4	31.8	2.00	50.8	2.17	55.1	7.36	186.9	4.56	115.8	.32	8.1	1.89
20GS-24FL60M	7347-45655	1 1/4	31.8	2.38	60.5	2.52	64.0	7.68	195.1	4.88	124.0	.32	8.1	2.49
24GSP-24FL60S	7347-45725	1 1/2	38.1	2.38	60.5	2.08	52.8	9.09	230.9	6.20	157.5	.32	8.1	3.03
24GSP-32FL60S	7347-45735	1 1/2	38.1	2.81	71.4	2.95	74.9	9.21	233.9	6.30	160.0	.38	9.7	3.50
32GSP-32FL60S	7347-45805	2	50.8	2.81	71.4	2.95	74.9	10.20	259.1	6.56	166.6	.38	9.7	5.11

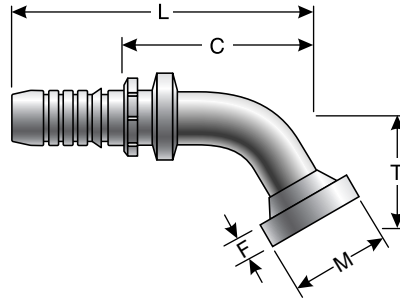


# GlobalSpiral™ Couplings

## Code 61 O-Ring Flange - 67½° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi; -40FL Max. W.P. 2,500 psi.

S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	Ø		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-12FL67-032	7347-78025	1/2	12.7	1.50	38.1	1.26	32.0	3.70	94.0	2.21	56.1	.27	6.9	.36
12GS-12FL67M	7347-46445	3/4	19.1	1.50	38.1	1.65	41.9	5.20	132.1	3.19	81.0	.27	6.9	.73
12GS-16FL67M	7347-46465	3/4	19.1	1.75	44.5	2.01	51.1	5.08	129.0	3.07	78.0	.32	8.1	.75
16GS-16FL67M	7347-46555	1	25.4	1.75	44.5	2.01	51.1	5.94	150.9	3.71	94.2	.32	8.1	1.22
16GS-20FL67M	7347-46565	1	25.4	2.00	50.8	2.52	64.0	5.83	148.1	3.59	91.2	.32	8.1	.88
20GS-20FL67M	7347-46645	1 1/4	31.8	2.00	50.8	2.52	64.0	7.01	178.1	4.21	106.9	.32	8.1	1.89
20GS-24FL67S	7347-76605	1 1/4	31.8	2.38	60.5	2.01	51.1	6.46	164.1	3.66	93.0	.32	8.1	.19
24GSP-24FL67S	7347-46725	1 1/2	38.1	2.38	60.5	2.40	61.0	8.90	226.1	5.90	149.9	.32	8.1	3.01
24GSP-32FL67S	7347-46735	1 1/2	38.1	2.81	71.4	3.33	84.6	10.20	259.1	5.90	149.9	.38	9.7	3.50
32GSP-32FL67S	7347-46795	2	50.8	2.81	71.4	3.84	97.5	10.20	259.1	6.56	166.6	.38	9.7	4.72

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

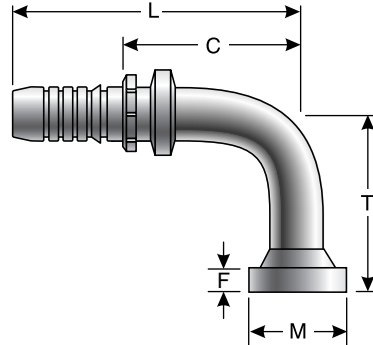


# GlobalSpiral™ Couplings

## Code 61 O-Ring Flange - 90° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.

S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
6GS-8FL90M	7347-74155	3/8	9.5	1.19	30.2	1.57	39.9	3.43	87.1	2.02	51.3	.27	6.9	.33
8GS-8FL90L	7347-73815	1/2	12.7	1.19	30.2	3.27	83.1	3.46	87.9	1.99	50.6	.27	6.9	.40
8GS-8FL90M	7347-74245	1/2	12.7	1.19	30.2	1.57	39.9	3.46	87.9	1.99	50.6	.27	6.9	.57
8GS-12FL90M	7347-74265	1/2	12.7	1.50	38.1	2.28	57.9	3.46	87.9	1.98	50.3	.27	6.9	.84
10GS-12FL90M	7347-74355	5/8	15.9	1.50	38.1	2.28	57.9	4.33	110.0	2.35	59.7	.27	6.9	.59
12GS-8FL90-050	7347-76035	3/4	19.1	1.19	30.2	1.97	50.0	4.80	121.9	2.80	71.1	.27	6.9	.48
12GS-12FL90-100	7347-73905	3/4	19.1	1.50	38.1	3.94	100.1	4.41	112.0	2.40	61.0	.27	6.9	.86
12GS-12FL90-125	7347-73985	3/4	19.1	1.50	38.1	4.92	125.0	4.80	121.9	2.80	71.1	.27	6.9	.97
12GS-12FL90M	7347-74445	3/4	19.1	1.50	38.1	2.28	57.9	4.41	112.0	2.40	61.0	.27	6.9	.73
12GS-16FL90-080	7347-76805	3/4	19.1	1.75	44.5	3.15	80.0	5.04	128.0	3.03	77.0	.32	8.1	.08
12GS-16FL90-178	7347-79025	3/4	19.1	1.75	44.5	7.01	178.1	4.41	112.0	2.38	60.5	.32	8.1	1.22
12GS-16FL90M	7347-73925	3/4	19.1	1.75	44.5	2.76	70.1	4.41	112.0	2.40	61.0	.32	8.1	.84
12GS-16FL90S	7347-73915	3/4	19.1	1.75	44.5	2.40	61.0	4.41	112.0	2.40	61.0	.32	8.1	.81
12GS-20FL90-054	7347-73995	3/4	19.1	2.00	50.8	2.13	54.1	5.16	131.1	3.15	80.0	.32	8.1	.99
12GS-20FL90-125	7347-78375	3/4	19.1	2.00	50.8	4.92	125.0	4.76	120.9	2.76	70.1	.32	8.1	1.10
16GS-12FL90	7347-73255	1	25.4	1.50	38.1	3.15	80.0	5.31	134.9	3.10	78.7	.27	6.9	1.17
16GS-12FL90M	7347-74535	1	25.4	1.50	38.1	2.28	57.9	5.31	134.9	5.08	129.0	.27	6.9	.86
16GS-16FL90-120	7347-73165	1	25.4	1.75	44.5	4.72	119.9	5.28	134.1	3.04	77.2	.32	8.1	.97
16GS-16FL90-210	7347-78875	1	25.4	1.75	44.5	8.27	210.1	5.28	134.1	3.02	76.7	.32	8.1	.91
16GS-16FL90M	7347-74555	1	25.4	1.75	44.5	2.76	70.1	5.31	134.9	3.09	78.5	.32	8.1	1.24
16GS-16FL90S	7347-47555	1	25.4	1.75	44.5	2.40	61.0	5.31	134.9	3.09	78.5	.32	8.1	1.22
16GS-20FL90M	7347-74565	1	25.4	2.00	50.8	3.54	89.9	5.28	134.1	2.99	76.0	.32	8.1	1.33
16GS-20FL90S	7347-47565	1	25.4	2.00	50.8	2.68	68.1	5.28	134.1	3.02	76.7	.32	8.1	.88
16GS-24FL90-060	7347-73975	1	25.4	2.38	60.5	2.36	59.9	5.71	145.0	3.47	88.1	.32	8.1	1.50
16GS-24FL90S	7347-47575	1	25.4	2.38	60.5	3.19	81.0	5.28	134.1	3.04	77.2	.32	8.1	1.42
20GS-16FL90-215	7347-78885	1 1/4	31.8	1.75	44.5	8.46	214.9	6.30	160.0	3.50	88.9	.32	8.1	2.47
20GS-16FL90M	7347-74635	1 1/4	31.8	1.75	44.5	2.76	70.1	6.30	160.0	3.50	88.9	.32	8.1	1.61
20GS-20FL90-168	7347-76105	1 1/4	31.8	2.00	50.8	6.61	167.9	6.54	166.1	3.74	95.0	.32	8.1	3.36
20GS-20FL90M	7347-74645	1 1/4	31.8	2.00	50.8	3.54	89.9	6.50	165.1	3.70	94.0	.32	8.1	2.40
20GS-20FL90S	7347-47645	1 1/4	31.8	2.00	50.8	2.68	68.1	6.50	165.1	3.70	94.0	.32	8.1	1.89
20GS-24FL90-118	7347-76085	1 1/4	31.8	2.38	60.5	4.65	118.1	6.50	165.1	3.70	94.0	.32	8.1	2.90

# GlobalSpiral™ Couplings

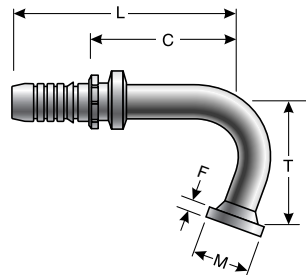
## Code 61 O-Ring Flange - 90° Bent Tube - Cont'd

Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
20GS-24FL90S	7347-47655	1 1/4	31.8	2.38	60.5	3.19	81.0	6.50	165.1	3.70	94.0	.32	8.1	2.49
24GSP-20FL90S	7347-47715	1 1/2	38.1	2.00	50.8	2.68	68.1	6.81	173.0	3.92	99.6	.32	8.1	2.27
24GSP-24FL90-148	7347-85625	1 1/2	38.1	2.36	59.9	5.83	148.1	6.89	175.0	4.01	101.9	.32	8.1	3.58
24GSP-24FL90M	7347-74725	1 1/2	38.1	2.36	59.9	4.09	103.9	6.89	175.0	4.01	101.9	.32	8.1	3.30
24GSP-24FL90S	7347-47725	1 1/2	38.1	2.38	60.5	3.19	81.0	7.24	183.9	4.33	110.0	.32	8.1	2.80
24GSP-32FL90-080	7347-47745	1 1/2	38.1	2.81	71.4	3.15	80.0	6.99	177.6	4.01	101.9	.38	9.7	3.04
24GSP-32FL90-170	7347-85435	1 1/2	38.1	2.81	71.4	6.69	169.9	6.88	174.8	3.99	101.4	.38	9.7	4.12
24GSP-32FL90S	7347-47735	1 1/2	38.1	2.81	71.4	4.72	119.9	6.90	175.3	4.01	101.9	.38	9.7	3.56
32GSP-24FL90S	7347-47785	2	50.8	2.36	59.9	3.19	81.0	7.76	197.1	4.13	104.9	.31	7.9	3.50
32GSP-32FL90-114	7347-47805	2	50.8	2.81	71.4	4.49	114.1	8.74	222.0	5.12	130.1	.38	9.7	4.70
32GSP-32FL90-165	7347-85425	2	50.8	2.81	71.4	6.50	165.1	9.69	246.1	6.06	153.9	.38	9.7	6.79
32GSP-32FL90-200	7347-85455	2	50.8	2.81	71.4	7.97	202.4	8.74	222.0	5.13	130.3	.38	9.7	6.10
32GSP-40FL90-110	7347-74805	2	50.8	3.31	84.1	4.38	111.3	8.52	216.4	4.98	126.5	.38	9.7	6.24

## Code 61 O-Ring Flange - 100° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.

See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-16FL100-059	7347-78055	3/4	19.1	1.75	44.5	2.32	58.9	4.93	125.2	2.92	74.2	.32	8.1	.81

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

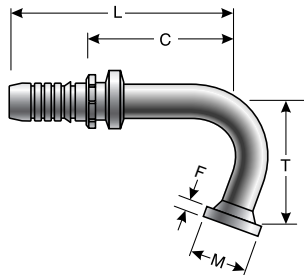




# GlobalSpiral™ Couplings

## Code 61 O-Ring Flange - 110° Bent Tube

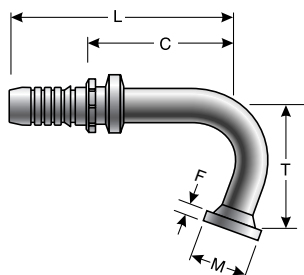
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12GS-12FL110-064	7347-76025	3/4	19.1	1.50	38.1	2.52	64.0	5.16	131.1	3.15	80.0	.27	6.9	.77
16GS-16FL110-073	7347-73005	1	25.4	1.75	44.5	2.87	72.9	5.83	148.1	3.61	91.7	.32	8.1	1.02
16GS-20FL110-073	7347-76455	1	25.4	2.00	50.8	2.87	72.9	4.65	118.1	2.41	61.2	.32	8.1	1.20
20GS-20FL110-080	7347-76115	1 1/4	31.8	2.00	50.8	3.15	80.0	7.13	181.1	4.33	110.0	.32	8.1	2.13
20GS-24FL110-080	7347-76125	1 1/4	31.8	2.38	60.5	3.15	80.0	7.13	181.1	4.33	110.0	.32	8.1	2.77
24GSP-24FL110-094	7347-85635	1 1/2	38.1	2.36	59.9	3.70	94.0	7.95	201.9	5.07	128.8	.31	7.9	3.43
32GSP-32FL110-140	7347-85465	2	50.8	2.81	71.4	3.51	89.2	9.80	248.9	6.40	162.6	.38	9.7	5.84

## Code 61 O-Ring Flange - 120° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
24GSP-24FL120-119	7347-85645	1 1/2	38.1	2.36	59.9	4.69	119.1	7.20	182.9	4.31	109.5	.31	7.9	3.81

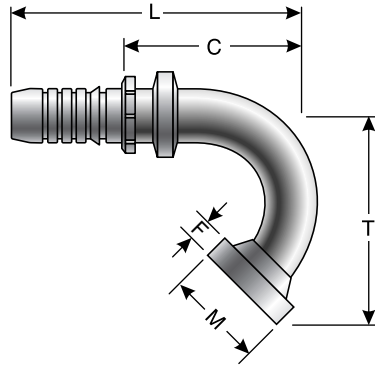
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# GlobalSpiral™ Couplings

## Code 61 O-Ring Flange - 125° Bent Tube

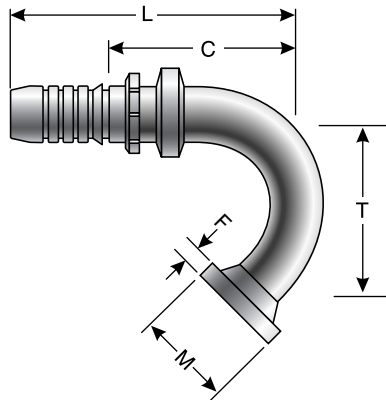
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
32GSP-32FL125-150	7347-85475	2	50.8	2.81	71.4	3.90	99.1	8.30	210.8	4.70	119.4	.38	9.7	5.89

## Code 61 O-Ring Flange - 135° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi, -40FL Max. W.P. 2,500 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FL135-070	7347-76825	3/4	19.1	1.50	38.1	2.76	70.1	3.82	97.0	1.81	46.0	.27	6.9	.07

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
<b>GLOBALSPIRAL COUPLINGS</b>
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

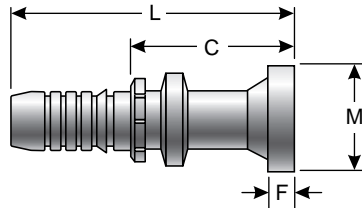




# GlobalSpiral™ Couplings

## Code 61 Komatsu Style O-Ring Flange

See Accessories for O-Rings.

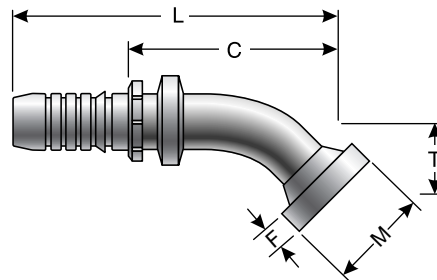


Descr.	Prod. No.	⊖		M		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
8GS-10FLK	7347-55255	1/2	12.7	1.35	34.3	3.21	81.5	1.74	44.2	.27	6.9	.29
10GS-10FLK	7347-73335	5/8	15.9	1.35	34.3	4.49	114.1	2.51	63.8	.27	6.9	.42
12GS-10FLK	7347-73375	3/4	19.1	1.35	34.3	4.33	110.0	2.32	58.9	.27	6.9	.42

## Code 61 Komatsu Style O-Ring Flange - 45° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.

See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
10GS-10FLK45-026	7347-73365	5/8	15.9	1.35	34.3	1.02	25.9	4.76	120.9	2.78	70.6	.27	6.9	.48

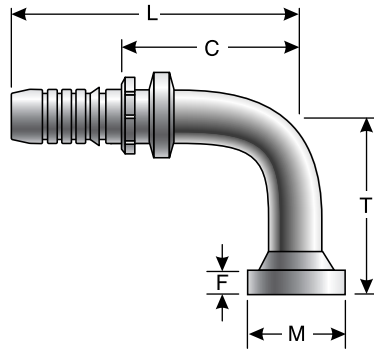
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# GlobalSpiral™ Couplings

## Code 61 Komatsu Style O-Ring Flange - 90° Bent Tube

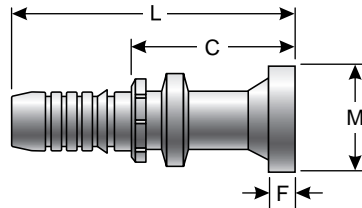
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
10GS-10FLK90-055	7347-73355	5/8	15.9	1.35	34.3	2.17	55.1	4.33	110.0	2.35	59.7	.27	6.9	.53
12GS-10FLK90-055	7347-73695	3/4	19.1	1.35	34.3	2.17	55.1	4.65	118.1	2.64	67.1	.27	6.9	.59

## Code 62 O-Ring Flange Heavy

All FLH sizes Maximum Working Pressure 6,000 PSI.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-8FLH	7347-48245	1/2	12.7	1.25	31.8	3.66	93.0	2.19	55.6	.31	7.9	.31
8GS-12FLH	7347-48265	1/2	12.7	1.63	41.4	3.66	93.0	2.19	55.6	.35	8.9	.37
10GS-8FLH	7347-48335	5/8	15.9	1.25	31.8	4.29	109.0	2.31	58.7	.31	7.9	.37
10GS-12FLH	7347-48355	5/8	15.9	1.63	41.4	4.29	109.0	2.31	58.7	.35	8.9	.50
12GS-12FLH	7347-48445	3/4	19.1	1.63	41.4	4.49	114.1	2.48	63.0	.35	8.9	.59
12GS-16FLH	7347-48465	3/4	19.1	1.88	47.8	4.49	114.1	2.48	63.0	.38	9.7	.57
16GS-12FLH	7347-48535	1	25.4	1.63	41.4	5.08	129.0	2.86	72.6	.35	8.9	1.13
16GS-16FLH	7347-48555	1	25.4	1.88	47.8	4.92	125.0	2.70	68.6	.38	9.7	.97
16GS-20FLH	7347-48565	1	25.4	2.13	54.1	4.92	125.0	2.69	68.3	.41	10.4	.88
20GS-16FLH	7347-48635	1 1/4	31.8	1.88	47.8	6.42	163.1	3.62	92.0	.38	9.7	1.39
20GS-20FLH	7347-48645	1 1/4	31.8	2.13	54.1	5.75	146.1	2.95	74.9	.41	10.4	1.62
20GS-24FLH	7347-48655	1 1/4	31.8	2.50	63.5	6.30	160.0	3.50	88.9	.50	12.7	1.98
24GSP-24FLH	7347-48725	1 1/2	38.1	2.50	63.5	6.57	166.9	3.68	93.5	.50	12.7	.99
24GSP-32FLH	7347-48735	1 1/2	38.1	3.13	79.5	6.57	166.9	3.68	93.5	.50	12.7	2.87

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
<b>GLOBALSPIRAL COUPLINGS</b>
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS







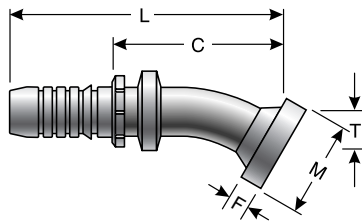
# GlobalSpiral™ Couplings

## Code 62 O-Ring Flange Heavy - Cont'd

Descr.	Prod. No.	⊖		M		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	
32GSP-32FLH	7347-48795	2	50.8	3.13	79.5	7.09	180.1	3.46	87.9	.50	12.7	3.40

## Code 62 O-Ring Flange Heavy - 22½° Bent Tube

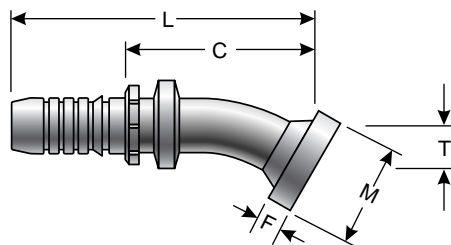
All FLH sizes Maximum Working Pressure 6,000 PSI.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-16FLH22M	7347-49465	3/4	19.1	1.88	47.8	.55	14.0	5.43	137.9	3.43	87.1	.38	9.7	.77
16GS-16FLH22M	7347-49555	1	25.4	1.88	47.8	.55	14.0	6.10	154.9	3.88	98.6	.38	9.7	1.13
16GS-20FLH22M	7347-49565	1	25.4	2.13	54.1	.59	15.0	6.61	167.9	4.52	114.8	.41	10.4	1.30
20GS-20FLH22M	7347-49645	1 1/4	31.8	2.13	54.1	.59	15.0	7.32	185.9	4.52	114.8	.41	10.4	2.14
20GS-24FLH22M	7347-49655	1 1/4	31.8	2.50	63.5	.71	18.0	7.40	188.0	4.60	116.8	.50	12.7	2.49

## Code 62 O-Ring Flange Heavy - 30° Bent Tube

All FLH sizes Maximum Working Pressure 6,000 PSI.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLH30M	7347-50445	3/4	19.1	1.63	41.4	.63	16.0	5.08	129.0	3.07	78.0	.35	8.9	.06
12GS-16FLH30M	7347-50465	3/4	19.1	1.88	47.8	.75	19.1	5.08	129.0	3.07	78.0	.38	9.7	.77
16GS-16FLH30M	7347-50555	1	25.4	1.88	47.8	.75	19.1	6.02	152.9	3.80	96.5	.38	9.7	1.13
16GS-20FLH30M	7347-50565	1	25.4	2.13	54.1	1.50	38.1	6.22	158.0	3.98	101.1	.41	10.4	1.30
20GS-20FLH30M	7347-50645	1 1/4	31.8	2.13	54.1	.87	22.1	7.24	183.9	4.44	112.8	.41	10.4	2.09



# GlobalSpiral™ Couplings

## Code 62 O-Ring Flange Heavy - 30° Bent Tube - Cont'd

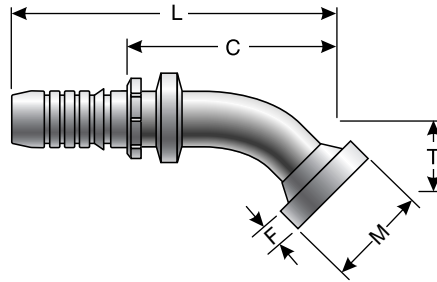
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
20GS-24FLH30M	7347-50655	1 1/4	31.8	2.50	63.5	1.18	30.0	7.24	183.9	4.44	112.8	.50	12.7	2.55

## Code 62 O-Ring Flange Heavy - 45° Bent Tube

All FLH sizes Maximum Working Pressure 6,000 PSI.

S, M and L Drops per ISO Final Draft International Standard 12151-3.

See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-8FLH45M	7347-51245	1/2	12.7	1.25	31.8	.75	19.1	3.70	94.0	2.22	56.4	.31	7.9	.30
8GS-12FLH45M	7347-51265	1/2	12.7	1.63	41.4	1.02	25.9	3.98	101.1	2.50	63.5	.35	8.9	.42
10GS-12FLH45M	7347-51355	5/8	15.9	1.63	41.4	1.02	25.9	5.00	127.0	3.02	76.7	.35	8.9	.60
12GS-8FLH45M	7347-51425	3/4	19.1	1.25	31.8	.75	19.1	4.56	115.8	2.55	64.8	.31	7.9	.43
12GS-12FLH45M	7347-51445	3/4	19.1	1.63	41.4	1.02	25.9	4.88	124.0	2.87	72.9	.35	8.9	.66
12GS-16FLH45M	7347-51465	3/4	19.1	1.88	47.8	1.26	32.0	5.12	130.1	3.11	79.0	.38	9.7	.77
16GS-12FLH45M	7347-51535	1	25.4	1.63	41.4	1.02	25.9	5.55	141.0	3.33	84.6	.35	8.9	.95
16GS-16FLH45M	7347-51555	1	25.4	1.88	47.8	1.26	32.0	5.79	147.1	3.57	90.7	.38	9.7	1.13
16GS-20FLH45M	7347-51565	1	25.4	2.13	54.1	1.50	38.1	6.22	158.0	3.98	101.1	.41	10.4	.95
20GS-16FLH45M	7347-51635	1 1/4	31.8	1.88	47.8	1.26	32.0	6.73	170.9	3.93	99.8	.38	9.7	1.50
20GS-20FLH45M	7347-51645	1 1/4	31.8	2.13	54.1	1.50	38.1	6.93	176.0	4.13	104.9	.41	10.4	2.04
20GS-24FLH45M	7347-51655	1 1/4	31.8	2.50	63.5	1.73	43.9	6.93	176.0	4.13	104.9	.50	12.7	2.55
24GSP-24FLH45M	7347-51725	1 1/2	38.1	2.50	63.5	1.73	43.9	7.56	192.0	4.65	118.1	.50	12.7	2.70
24GSP-32FLH45S	7347-51735	1 1/2	38.1	3.13	79.5	2.05	52.1	7.87	199.9	4.98	126.5	.50	12.7	3.48
32GSP-32FLH45-066	7347-51805	2	50.8	3.13	79.5	2.60	66.0	10.67	271.0	7.06	179.3	.50	12.7	5.65

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

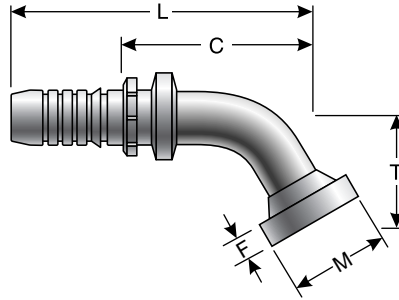


- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

## GlobalSpiral™ Couplings

### Code 62 O-Ring Flange Heavy - 60° Bent Tube

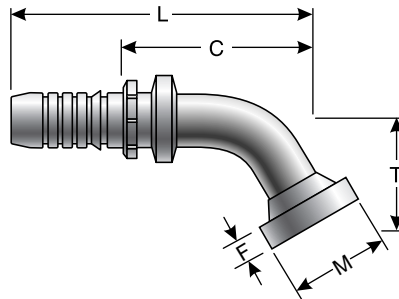
All FLH sizes Maximum Working Pressure 6,000 PSI.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12GS-12FLH60M	7347-52445	3/4	19.1	1.63	41.4	1.46	37.1	5.39	136.9	3.39	86.1	.35	8.9	.99
12GS-16FLH60M	7347-52465	3/4	19.1	1.88	47.8	1.73	43.9	5.35	135.9	3.35	85.1	.38	9.7	.81
16GS-16FLH60M	7347-52555	1	25.4	1.88	47.8	1.73	43.9	6.18	157.0	3.96	100.6	.38	9.7	1.28
20GS-20FLH60M	7347-52645	1 1/4	31.8	2.13	54.1	2.17	55.1	7.32	185.9	4.52	114.8	.41	10.4	2.29
20GS-24FLH60M	7347-52655	1 1/4	31.8	2.50	63.5	2.52	64.0	7.64	194.1	4.84	122.9	.50	12.7	2.84

### Code 62 O-Ring Flange Heavy - 67½° Bent Tube

All FLH sizes Maximum Working Pressure 6,000 PSI.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.

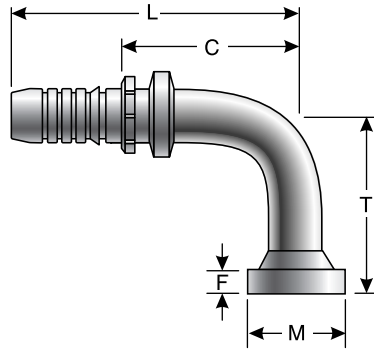


Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
16GS-16FLH67M	7347-53555	1	25.4	1.88	47.8	2.01	51.1	5.94	150.9	3.72	94.5	.38	9.7	1.28

# GlobalSpiral™ Couplings

## Code 62 O-Ring Flange Heavy - 90° Bent Tube

All FLH sizes Maximum Working Pressure 6,000 PSI.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-8FLH90-080	7347-73825	1/2	12.7	1.25	31.8	3.15	80.0	3.46	87.9	1.99	50.6	.31	7.9	.40
8GS-8FLH90M	7347-75245	1/2	12.7	1.25	31.8	1.57	39.9	3.46	87.9	1.99	50.6	.31	7.9	.57
8GS-12FLH90M	7347-75265	1/2	12.7	1.63	41.4	2.28	57.9	3.46	87.9	1.99	50.6	.35	8.9	.46
10GS-8FLH90M	7347-75335	5/8	15.9	1.25	31.8	1.57	39.9	4.45	113.0	2.47	62.7	.31	7.9	.59
10GS-12FLH90M	7347-75355	5/8	15.9	1.63	41.4	2.28	57.9	4.33	110.0	2.35	59.7	.35	8.9	.66
12GS-12FLH90-100	7347-73835	3/4	19.1	1.63	41.4	3.94	100.1	4.41	112.0	2.40	61.0	.35	8.9	.90
12GS-12FLH90-122	7347-76415	3/4	19.1	1.63	41.4	4.80	121.9	4.80	121.9	2.80	71.1	.35	8.9	.99
12GS-12FLH90M	7347-75445	3/4	19.1	1.63	41.4	2.28	57.9	4.41	112.0	2.40	61.0	.35	8.9	.75
12GS-16FLH90-140	7347-76715	3/4	19.1	1.88	47.8	5.51	140.0	4.57	116.1	2.56	65.0	.38	9.7	.11
12GS-16FLH90M	7347-73935	3/4	19.1	1.88	47.8	2.76	70.1	4.41	112.0	2.40	61.0	.38	9.7	.92
12GS-16FLH90S	7347-54465	3/4	19.1	1.88	47.8	2.40	61.0	4.41	112.0	2.40	61.0	.38	9.7	.83
12GS-20FLH90M	7347-75475	3/4	19.1	2.13	54.1	3.54	89.9	4.80	121.9	2.80	71.1	.41	10.4	.54
16GS-12FLH90M	7347-54535	1	25.4	1.63	41.4	2.28	57.9	5.31	134.9	3.09	78.5	.35	8.9	1.28
16GS-16FLH90-090	7347-78105	1	25.4	1.88	47.8	3.54	89.9	5.52	140.2	3.28	83.3	.38	9.7	1.32
16GS-16FLH90-120	7347-73015	1	25.4	1.88	47.8	4.72	119.9	5.28	134.1	3.04	77.2	.38	9.7	1.50
16GS-16FLH90M	7347-75555	1	25.4	1.88	47.8	2.76	70.1	5.31	134.9	3.09	78.5	.38	9.7	1.30
16GS-16FLH90S	7347-54555	1	25.4	1.88	47.8	2.40	61.0	5.31	134.9	3.09	78.5	.38	9.7	1.28
16GS-20FLH90M	7347-75565	1	25.4	2.13	54.1	3.54	89.9	5.28	134.1	3.02	76.7	.41	10.4	1.44
16GS-20FLH90S	7347-54565	1	25.4	2.13	54.1	2.68	68.1	5.28	134.1	3.02	76.7	.41	10.4	1.07
16GS-24FLH90S	7347-54575	1	25.4	2.50	63.5	3.19	81.0	5.28	134.1	3.04	77.2	.50	12.7	2.00
20GS-16FLH90-100	7347-76185	1 1/4	31.8	1.88	47.8	3.94	100.1	6.30	160.0	3.50	88.9	.38	9.7	1.83
20GS-16FLH90M	7347-75635	1 1/4	31.8	1.88	47.8	2.76	70.1	6.30	160.0	3.50	88.9	.38	9.7	1.67
20GS-16FLH90S	7347-54635	1 1/4	31.8	1.88	47.8	2.40	61.0	6.30	160.0	3.50	88.9	.38	9.7	1.61
20GS-20FLH90-076	7347-73635	1 1/4	31.8	2.13	54.1	2.99	76.0	6.50	165.1	3.70	94.0	.41	10.4	2.42
20GS-20FLH90-120	7347-76135	1 1/4	31.8	2.13	54.1	4.72	119.9	6.50	165.1	3.70	94.0	.41	10.4	2.95
20GS-20FLH90-152	7347-76485	1 1/4	31.8	2.13	54.1	5.98	151.9	6.50	165.1	3.70	94.0	.41	10.4	3.21
20GS-20FLH90M	7347-75645	1 1/4	31.8	2.13	54.1	3.54	89.9	6.50	165.1	3.70	94.0	.41	10.4	2.45
20GS-24FLH90S	7347-54655	1 1/4	31.8	2.50	63.5	3.19	81.0	6.50	165.1	3.70	94.0	.50	12.7	2.91
24GSP-24FLH90-094	7347-79105	1 1/2	38.1	2.50	63.5	3.70	94.0	6.91	175.5	4.01	101.9	.50	12.7	3.12
24GSP-32FLH90S	7347-54735	1 1/2	38.1	3.13	79.5	4.72	119.9	6.96	176.8	4.06	103.1	.49	12.5	3.98
32GSP-32FLH90M	7347-75795	2	50.8	3.13	79.5	5.40	137.2	8.72	221.5	5.09	129.3	.50	12.7	6.21

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

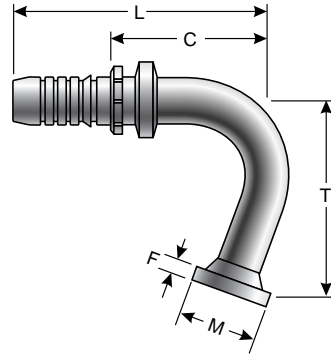




# GlobalSpiral™ Couplings

## Code 62 O-Ring Flange Heavy - 110° Bent Tube

All FLH sizes Maximum Working Pressure 6,000 PSI.

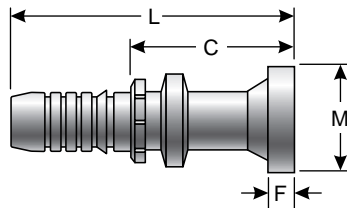


Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12GS-12FLH110-064	7347-78525	3/4	19.1	1.50	38.1	2.76	70.1	3.82	97.0	1.81	46.0	.27	6.9	.80

## Caterpillar Style O-Ring Flange

Note: These FLC flanges are designed with a thicker flange head. The 0.56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".

See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12GS-12FLC	7347-62445	3/4	19.1	1.63	41.4	5.71	145.0	3.70	94.0	.56	14.2	.86
12GS-16FLC	7347-62465	3/4	19.1	1.88	47.8	5.71	145.0	3.70	94.0	.56	14.2	.92
16GS-16FLC	7347-62555	1	25.4	1.88	47.8	6.10	154.9	3.87	98.3	.56	14.2	1.19
16GS-20FLC	7347-62565	1	25.4	2.13	54.1	6.10	154.9	3.87	98.3	.56	14.2	1.30
20GS-20FLC	7347-62645	1 1/4	31.8	2.13	54.1	7.36	186.9	4.56	115.8	.56	14.2	2.09
20GS-24FLC	7347-62655	1 1/4	31.8	2.50	63.5	7.36	186.9	4.56	115.8	.56	14.2	2.37

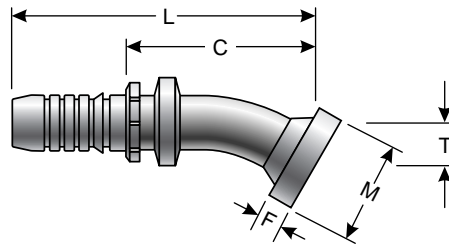
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



# GlobalSpiral™ Couplings

## Caterpillar Style O-Ring Flange - 22½° Bent Tube

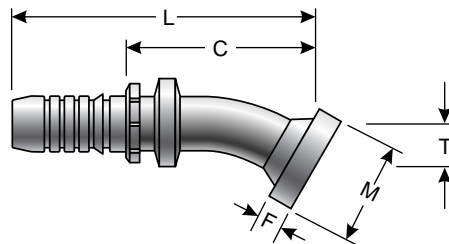
Note: These FLC flanges are designed with a thicker flange head. The 0.56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLC22-016	7347-63445	3/4	19.1	1.63	41.4	.63	16.0	5.63	143.0	3.62	92.0	.56	14.2	.86
16GS-16FLC22-017	7347-63555	1	25.4	1.88	47.8	.67	17.0	6.02	152.9	3.78	96.0	.56	14.2	1.19
16GS-20FLC22-017	7347-63565	1	25.4	2.13	54.1	.67	17.0	6.02	152.9	3.78	96.0	.56	14.2	1.30
20GS-20FLC22-017	7347-63645	1 1/4	31.8	2.13	54.1	.67	17.0	7.28	184.9	4.48	113.8	.56	14.2	2.14
20GS-24FLC22-017	7347-63655	1 1/4	31.8	2.50	63.5	.67	17.0	7.28	184.9	4.48	113.8	.56	14.2	2.37

## Caterpillar Style O-Ring Flange - 30° Bent Tube

Note: These FLC flanges are designed with a thicker flange head. The 0.56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLC30-022	7347-64445	3/4	19.1	1.63	41.4	.87	22.1	5.51	140.0	3.50	88.9	.56	14.2	.86
12GS-16FLC30-022	7347-64465	3/4	19.1	1.88	47.8	.87	22.1	5.55	141.0	3.54	89.9	.56	14.2	.95
16GS-16FLC30-023	7347-64555	1	25.4	1.88	47.8	.91	23.1	5.94	150.9	3.69	93.7	.56	14.2	1.22
16GS-20FLC30-023	7347-64565	1	25.4	2.13	54.1	.91	23.1	5.94	150.9	3.69	93.7	.56	14.2	1.30
20GS-20FLC30-024	7347-64645	1 1/4	31.8	2.13	54.1	.94	23.9	7.20	182.9	4.41	112.0	.56	14.2	2.09
20GS-24FLC30-024	7347-64655	1 1/4	31.8	2.50	63.5	.94	23.9	7.20	182.9	4.41	112.0	.56	14.2	2.37

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

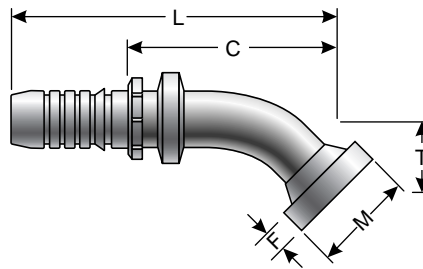




# GlobalSpiral™ Couplings

## Caterpillar Style O-Ring Flange - 45° Bent Tube

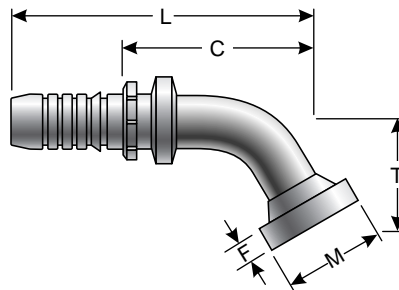
Note: These FLC flanges are designed with a thicker flange head. The 0.56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12GS-12FLC45-035	7347-65445	3/4	19.1	1.63	41.4	1.38	35.1	5.24	133.1	3.23	82.0	.56	14.2	.86
12GS-12FLC45-066	7347-76425	3/4	19.1	1.63	41.4	2.60	66.0	6.50	165.1	4.49	114.1	.56	14.2	.94
12GS-16FLC45-035	7347-65465	3/4	19.1	1.88	47.8	1.38	35.1	5.24	133.1	3.23	82.0	.56	14.2	.95
16GS-16FLC45-037	7347-65555	1	25.4	1.88	47.8	1.46	37.1	5.63	143.0	3.40	86.4	.56	14.2	1.19
16GS-20FLC45-037	7347-65565	1	25.4	2.13	54.1	1.46	37.1	5.63	143.0	3.40	86.4	.56	14.2	1.30
20GS-20FLC45-037	7347-65645	1 1/4	31.8	2.13	54.1	1.46	37.1	6.93	176.0	4.13	104.9	.56	14.2	2.09
20GS-24FLC45-037	7347-65655	1 1/4	31.8	2.50	63.5	1.46	37.1	6.93	176.0	4.13	104.9	.56	14.2	2.31

## Caterpillar Style O-Ring Flange - 60° Bent Tube

Note: These FLC flanges are designed with a thicker flange head. The 0.56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12GS-16FLC60-048	7347-66465	3/4	19.1	1.88	47.8	1.89	48.0	5.75	146.1	3.74	95.0	.56	14.2	.95
16GS-16FLC60-050	7347-66555	1	25.4	1.88	47.8	1.97	50.0	6.42	163.1	4.17	105.9	.56	14.2	1.28
16GS-20FLC60-050	7347-66565	1	25.4	2.13	54.1	1.97	50.0	6.42	163.1	4.17	105.9	.56	14.2	1.41



# GlobalSpiral™ Couplings

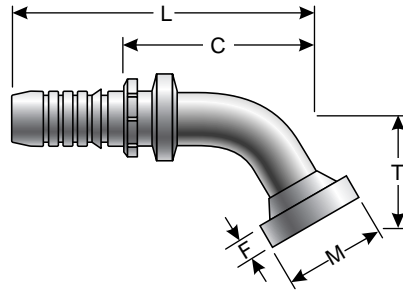
## Caterpillar Style O-Ring Flange - 60° Bent Tube - Cont'd

Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
20GS-20FLC60-052	7347-66645	1 1/4	31.8	2.13	54.1	2.05	52.1	7.80	198.1	5.00	127.0	.56	14.2	2.44
20GS-24FLC60-052	7347-66655	1 1/4	31.8	2.50	63.5	2.05	52.1	7.80	198.1	5.00	127.0	.56	14.2	2.73

## Caterpillar Style O-Ring Flange - 67½° Bent Tube

Note: These FLC flanges are designed with a thicker flange head. The 0.56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".

See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
16GS-16FLC67-057	7347-67555	1	25.4	1.88	47.8	2.24	56.9	6.14	156.0	3.90	99.1	.56	14.2	1.28
16GS-20FLC67-057	7347-67565	1	25.4	2.13	54.1	2.24	56.9	6.14	156.0	3.90	99.1	.56	14.2	1.41
20GS-20FLC67-059	7347-67645	1 1/4	31.8	2.13	54.1	2.32	58.9	7.52	191.0	4.72	119.9	.56	14.2	2.44
20GS-24FLC67-059	7347-67655	1 1/4	31.8	2.50	63.5	2.32	58.9	7.52	191.0	4.72	119.9	.56	14.2	2.73

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

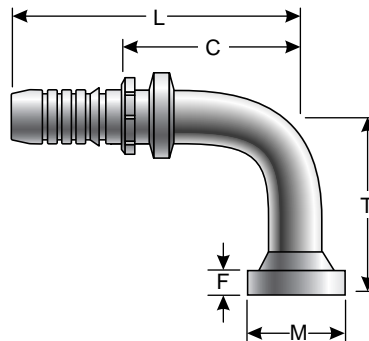




# GlobalSpiral™ Couplings

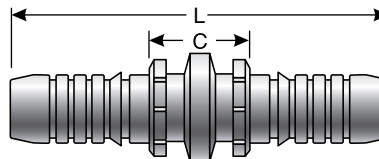
## Caterpillar Style O-Ring Flange - 90° Bent Tube

Note: These FLC flanges are designed with a thicker flange head. The 0.56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495". See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
C14 COUPLINGS	12GS-12FLC90-068	3/4	19.1	1.63	41.4	2.68	68.1	4.92	125.0	2.91	73.9	.56	14.2	.88
	12GS-12FLC90-128	3/4	19.1	1.63	41.4	5.04	128.0	4.61	117.1	2.60	66.0	.56	14.2	1.10
PCTS THERMO-PLASTIC COUPLINGS	12GS-16FLC90-068	3/4	19.1	1.88	47.8	2.68	68.1	4.61	117.1	2.60	66.0	.56	14.2	1.01
	16GS-16FLC90-074	1	25.4	1.88	47.8	2.91	73.9	5.16	131.1	2.92	74.2	.56	14.2	1.28
FIELD ATTACHABLE G1 AND G2 COUPLINGS	16GS-16FLC90-132	1	25.4	1.88	47.8	5.20	132.1	5.16	131.1	2.92	74.2	.56	14.2	1.55
	16GS-20FLC90-074	1	25.4	2.13	54.1	2.91	73.9	5.16	131.1	2.92	74.2	.56	14.2	1.41
FIELD ATTACHABLE C5 AND C5E COUPLINGS	16GS-20FLC90-132	1	25.4	2.13	54.1	5.19	131.8	5.15	130.8	2.92	74.2	.56	14.2	1.84
	20GS-20FLC90-077	1 1/4	31.8	2.13	54.1	3.03	77.0	6.54	166.1	3.74	95.0	.56	14.2	2.44
SURELOK AIR BRAKE COUPLINGS	20GS-20FLC90-150	1 1/4	31.8	2.13	54.1	5.90	149.9	9.48	240.8	6.70	170.2	.56	14.2	4.03
	20GS-24FLC90-077	1 1/4	31.8	2.50	63.5	3.03	77.0	6.54	166.1	3.74	95.0	.56	14.2	2.66

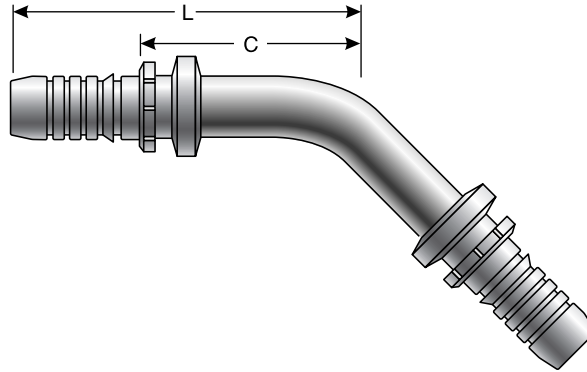
## Hose Length Extender



Descr.	Prod. No.	⊖		L		C		Weight
		"	mm	"	mm	"	mm	Lbs.
8GS-8HLE	7347-73265	1/2	12.7	3.70	94.0	.75	19.1	.13
LIVE SWIVEL	12GS-12HLE	3/4	19.1	4.80	121.9	.78	19.8	.03
BALL VALVES	16GS-16HLE	1	25.4	5.43	137.9	.98	24.9	.05
	20GS-20HLE	1 1/4	31.8	6.77	172.0	1.17	29.7	1.15
ACCESSORIES	24GSP-24HLE	1 1/2	38.1	7.33	186.2	1.53	38.9	1.50
	32GSP-32HLE	2	50.8	8.76	222.5	1.52	38.6	2.56

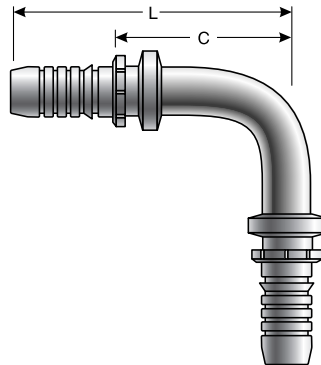
# GlobalSpiral™ Couplings

## Hose Length Extender - 45° Bent Tube



Descr.	Prod. No.	⊖		L		C		Weight
		"	mm	"	mm	"	mm	Lbs.
20GS-20HLE45-103	7347-78895	1 1/4	31.8	9.80	248.9	6.19	157.2	2.53

## Hose Length Extender - 90° Bent Tube



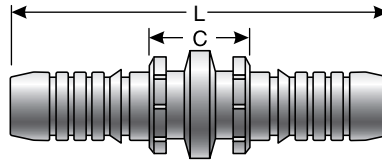
Descr.	Prod. No.	⊖		L		C		Weight
		"	mm	"	mm	"	mm	Lbs.
8GS-8HLE90-086	7347-73195	1/2	12.7	3.39	86.1	1.91	48.5	.35
12GS-12HLE90-112	7347-73965	3/4	19.1	4.39	111.5	2.38	60.5	.90
16GS-16HLE90-127	7347-73705	1	25.4	5.00	127.0	2.76	70.1	1.21
20GS-20HLE90-155	7347-76705	1 1/4	31.8	6.10	154.9	3.30	83.8	.02

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
<b>GLOBALSPIRAL COUPLINGS</b>
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# GlobalSpiral™ Couplings

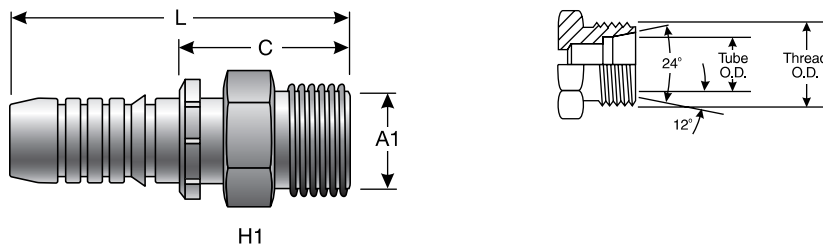
## Hose Length Extender Caterpillar



Descr.	Prod. No.	⊖		L		C		Weight
		"	mm	"	mm	"	mm	Lbs.
12GS-12HLEC	7347-76405	3/4	19.1	6.42	163.1	2.40	61.0	.57
16GS-16HLEC	7347-76395	1	25.4	7.09	180.1	2.61	66.3	.85

## Male DIN 24° Cone - Light Series

Do not use at a pressure above DIN Light ratings.  
Nut Hex per ISO Draft International Standards 12151-2.



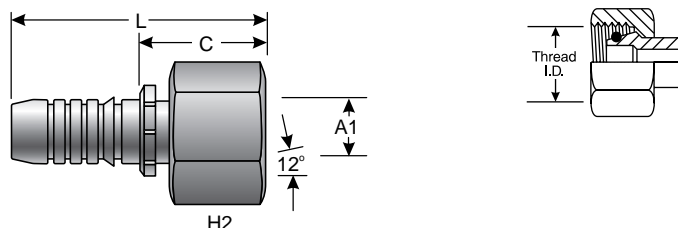
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	mm	Lbs.
6GS-12MDL	7347-93445	3/8	9.5	M18X1.5	22.0	—	2.51	63.8	1.10	27.9	12.0	.09
8GS-15MDL	7347-90625	1/2	12.7	M22X1.5	24.0	—	2.48	63.0	1.00	25.4	15.0	.14
12GS-22MDL	7347-93565	3/4	19.1	M30X2.0	32.0	—	3.13	79.5	1.12	28.5	22.0	.32
16GS-28MDL	7347-91495	1	25.4	M36X2.0	41.0	—	3.54	89.9	1.31	33.3	28.0	.05

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

# GlobalSpiral™ Couplings

## Female DIN 24° Cone Swivel - Light Series with O-Ring

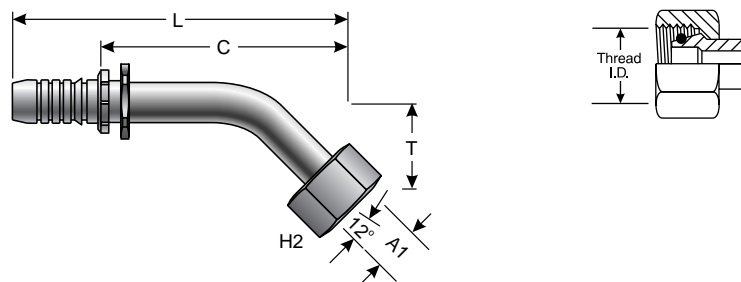
Do not use at a pressure above DIN Light ratings.  
Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		A1	Weight
		"	mm				"	mm	"	mm		
6GS-12FDLORX	7347-92815	3/8	9.5	M18X1.5	—	22.0	2.87	72.9	1.46	37.1	12.0	.17
8GS-15FDLORX	7347-90595	1/2	12.7	M22X1.5	—	22.0	2.87	72.9	1.40	35.6	15.0	.43
10GS-18FDLORX	7347-92105	5/8	15.9	M26X1.5	—	32.0	3.61	91.7	1.63	41.4	18.0	.42
12GS-22FDLORX	7347-92125	3/4	19.1	M30X2.0	—	36.0	3.82	97.0	1.81	46.0	22.0	.60
12GS-28FDLORX	7347-92165	3/4	19.1	M36X2.0	—	41.0	3.90	99.1	1.89	48.1	28.0	.70
16GS-28FDLORX	7347-90795	1	25.4	M36X2.0	—	41.0	4.13	104.9	1.91	48.5	28.0	.84
20GS-35FDLORX	7347-94135	1 1/4	31.8	M45X2.0	—	50.0	5.21	132.3	2.41	61.2	35.0	1.49

## Female DIN 24° Cone Swivel - Light Series with O-Ring - 45° Bent Tube

Do not use at a pressure above DIN Light ratings.  
Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		A1	Weight	
		"	mm					"	mm	"	mm			mm
8GS-15FDLORX45	7347-90605	1/2	12.7	M22X1.5	—	27.0	.79	20.1	3.72	94.5	2.25	57.2	15.0	.29
12GS-22FDLORX45	7347-92525	3/4	19.1	M30X2.0	—	36.0	1.17	29.7	5.35	135.9	3.34	84.8	22.0	.07
16GS-28FDLORX45	7347-91525	1	25.4	M36X2.0	—	41.0	1.21	30.7	6.12	155.5	3.90	99.1	28.0	1.20

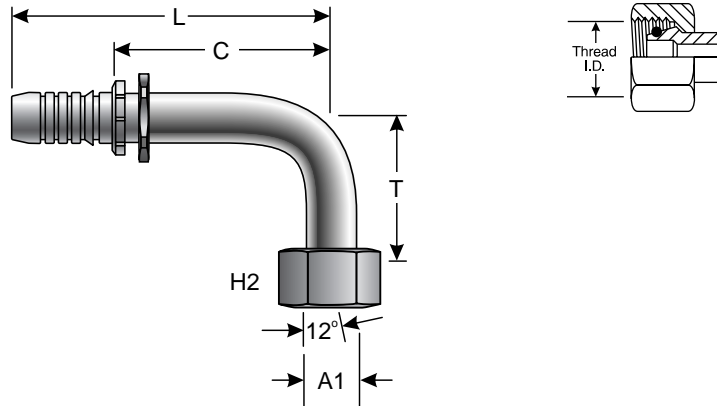
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# GlobalSpiral™ Couplings

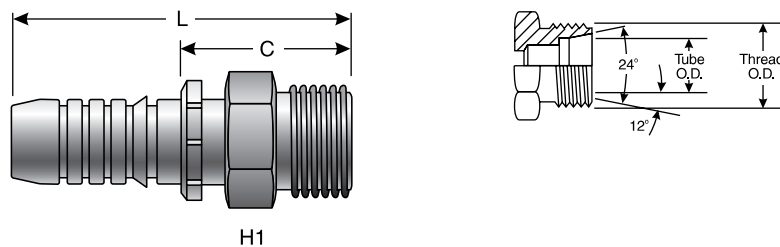
## Female DIN 24° Cone Swivel - Light Series with O-Ring - 90° Bent Tube

Do not use at a pressure above DIN Light ratings.  
Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖		M	H1	H2	T		L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	Lbs.
6GS-12FDLORX90	7347-92455	3/8	9.5	M19X1.5	—	22.0	1.45	36.8	3.07	78.0	1.66	42.2	12.0	.20
8GS-15FDLORX90	7347-90615	1/2	12.7	M22X1.5	—	27.0	1.65	41.9	3.46	87.9	1.98	50.3	15.0	.32
10GS-18FDLORX90	7347-92515	5/8	15.9	M26X1.5	—	32.0	2.03	51.6	4.47	113.5	2.49	63.3	18.0	.27
12GS-22FDLORX90M	7347-92135	3/4	19.1	M30X2.0	—	36.0	2.44	62.0	4.86	123.4	2.86	72.6	22.0	.88
16GS-28FDLORX90M	7347-90765	1	25.4	M36X2.0	—	41.0	2.76	70.1	5.82	147.8	2.71	68.8	28.0	1.39


## Male DIN 24° Cone - Heavy Series



Descr.	Prod. No.	⊖		M	H1	H2	L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	mm	Lbs.
6GS-12MDH	7347-01785	3/8	9.5	M20X1.5	22.0	—	2.51	63.8	1.10	27.9	12.0	.10
6GS-14MDH	7347-92675	3/8	9.5	M22X1.5	24.0	—	2.59	65.8	1.18	30.0	14.0	.16
8GS-16MDH	7347-91325	1/2	12.7	M24X1.5	27.0	—	1.17	29.7	1.18	30.0	16.0	.20
10GS-20MDH	7347-92695	5/8	15.9	M30X2.0	32.0	—	3.35	85.1	1.37	34.8	20.0	.16
12GS-20MDH	7347-92255	3/4	19.1	M30X2.0	32.0	—	3.35	85.1	1.34	34.0	20.0	.38
12GS-25MDH	7347-92265	3/4	19.1	M36X2.0	41.0	—	3.50	88.9	1.50	38.1	25.0	.59
12GS-30MDH	7347-93765	3/4	19.1	M42X2.0	46.0	—	3.90	99.1	1.06	26.9	30.0	.86
16GS-25MDH	7347-91505	1	25.4	M36X2.0	41.0	—	3.82	97.0	1.58	40.1	25.0	.03

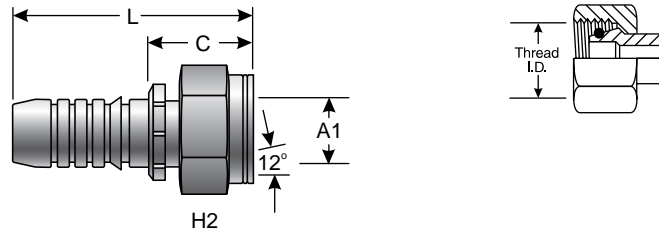
# GlobalSpiral™ Couplings


## Male DIN 24° Cone - Heavy Series - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	mm	Lbs.
16GS-30MDH	7347-91515	1	25.4	M42X2.0	46.0	—	3.90	99.1	1.66	42.2	30.0	.78
20GS-38MDH	7347-93295	1 1/4	31.8	M52X2.0	55.0	—	4.84	122.9	2.04	51.8	38.0	1.54

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring

Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖			H1	H2	L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	mm	Lbs.
6GS-10FDHORX	7347-92635	3/8	9.5	M18X1.5	—	22.0	3.24	82.3	1.41	35.8	10.0	.19
6GS-12FDHORX	7347-92645	3/8	9.5	M20X1.5	—	24.0	2.87	72.9	1.46	37.1	12.0	.02
6GS-14FDHORX	7347-92085	3/8	9.5	M22X1.5	—	27.0	2.97	75.4	1.56	39.6	14.0	.26
8GS-12FDHORX	7347-95195	1/2	12.7	M20X1.5	—	24.0	2.87	72.9	1.53	38.9	12.0	.22
8GS-14FDHORX	7347-92095	1/2	12.7	M22X1.5	—	27.0	3.01	76.5	1.53	38.9	14.0	.27
8GS-16FDHORX	7347-91335	1/2	12.7	M24X1.5	—	30.0	3.11	79.0	1.63	41.4	16.0	.32
8GS-20FDHORX	7347-92715	1/2	12.7	M30X2.0	—	36.0	3.11	79.0	1.96	49.9	20.0	.48
10GS-20FDHORX	7347-92115	5/8	15.9	M30X2.0	—	36.0	3.94	100.1	1.96	49.9	20.0	.58
10GS-25FDHORX	7347-93425	5/8	15.9	M36X2.0	—	46.0	4.09	103.9	2.11	53.6	25.0	.95
12GS-20FDHORX	7347-92145	3/4	19.1	M30X2.0	—	36.0	4.06	103.1	2.05	52.1	20.0	.48
12GS-25FDHORX	7347-92155	3/4	19.1	M36X2.0	—	46.0	4.23	107.4	2.22	56.4	25.0	.94
16GS-25FDHORX	7347-91535	1	25.4	M36X2.0	—	46.0	4.57	116.1	2.35	59.7	25.0	1.16
16GS-30FDHORX	7347-90805	1	25.4	M42X2.0	—	50.0	4.65	118.1	2.43	61.7	30.0	1.28
16GS-38FDHORX	7347-94225	1	25.4	M52X2.0	—	60.0	4.40	111.8	2.17	55.1	38.0	1.70
20GS-38FDHORX	7347-93305	1 1/4	31.8	M52X2.0	—	60.0	5.71	145.0	2.91	73.9	38.0	2.23

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

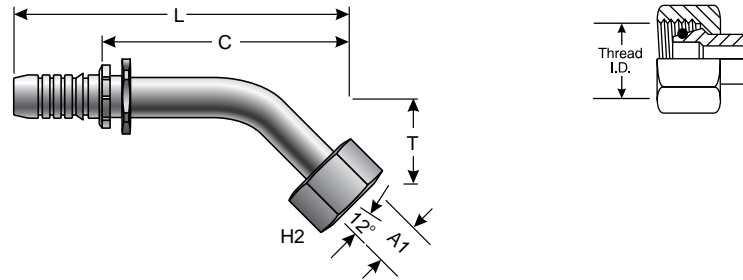


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## GlobalSpiral™ Couplings

### Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube

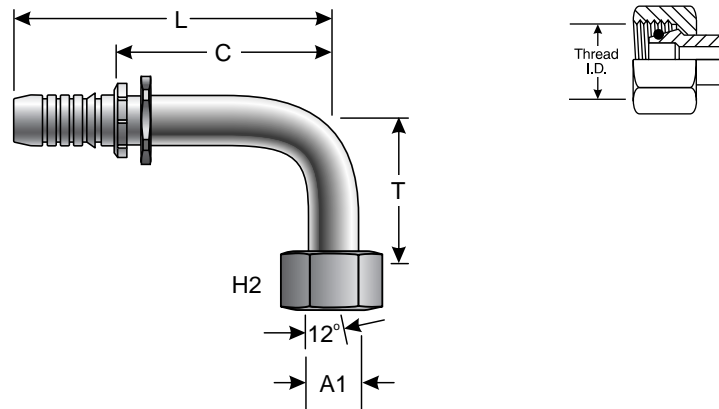
Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖		M	H1	H2	T		L		C		A1	Weight
		"	mm				"	mm	"	mm	"	mm		
6GS-12FDHORX45	7347-92425	3/8	9.5	M20X1.5	—	24.0	2.87	72.9	2.97	75.4	1.41	35.8	12.0	.21
6GS-14FDHORX45	7347-92465	3/8	9.5	M22X1.5	—	27.0	2.97	75.4	3.31	84.1	1.46	37.1	14.0	.27
8GS-16FDHORX45M	7347-91345	1/2	12.7	M24X1.5	—	30.0	.85	21.6	3.70	94.0	2.23	56.6	16.0	.37
10GS-20FDHORX45	7347-92325	5/8	15.9	M30X2.0	—	36.0	.98	24.9	4.79	121.7	2.81	71.4	20.0	.66
12GS-20FDHORX45	7347-93285	3/4	19.1	M30X2.0	—	36.0	1.17	29.7	6.33	160.8	4.33	110.0	20.0	.90
12GS-25FDHORX45M	7347-92175	3/4	19.1	M36X2.0	—	46.0	1.23	31.2	5.31	134.9	3.40	86.4	25.0	1.14
16GS-25FDHORX45M	7347-91545	1	25.4	M36X2.0	—	46.0	1.38	35.1	3.90	99.1	1.66	42.2	25.0	1.41
16GS-30FDHORX45	7347-91565	1	25.4	M42X2.0	—	50.0	1.38	35.1	6.29	159.8	4.07	103.4	30.0	1.45
20GS-38FDHORX45M	7347-93415	1 1/4	31.8	M52X2.0	—	60.0	1.67	42.4	7.72	196.1	4.92	125.0	38.0	3.08

### Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube


Nut Hex per ISO Draft International Standards 12151-2.



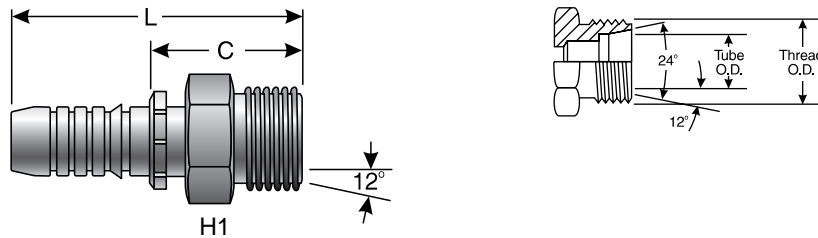
Descr.	Prod. No.	⊖		M	H1	H2	T		L		C		A1	Weight
		"	mm				"	mm	"	mm	"	mm		
6GS-12FDHORX90	7347-92435	3/8	9.5	M20X1.5	—	24.0	1.45	36.8	3.07	78.0	1.46	37.1	12.0	.23


# GlobalSpiral™ Couplings

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube - Cont'd

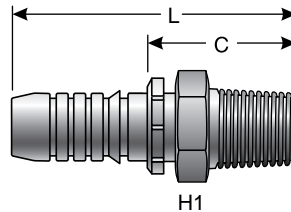
Descr.	Prod. No.	⊖			H1	H2	T		L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	Lbs.
6GS-14FDHORX90	7347-92475	3/8	9.5	M22X1.5	—	27.0	1.57	39.9	3.07	78.0	1.66	42.2	14.0	.28
8GS-16FDHORX90M	7347-91485	1/2	12.7	M24X1.5	—	30.0	1.73	43.9	3.39	86.1	1.91	48.5	16.0	.40
10GS-20FDHORX90M	7347-92335	5/8	15.9	M30X2.0	—	36.0	2.01	51.1	4.43	112.5	2.45	62.2	20.0	.73
12GS-20FDHORX90M	7347-92185	3/4	19.1	M30X2.0	—	36.0	2.44	62.0	4.86	123.4	2.85	72.4	20.0	.87
12GS-25FDHORX90M	7347-92195	3/4	19.1	M36X2.0	—	46.0	2.52	64.0	4.86	123.4	2.85	72.4	25.0	1.14
16GS-25FDHORX90	7347-91555	1	25.4	M36X2.0	—	46.0	2.99	76.0	5.94	150.9	3.72	94.5	25.0	1.66
16GS-30FDHORX90M	7347-90775	1	25.4	M42X2.0	—	50.0	2.99	76.0	5.81	147.6	3.59	91.2	30.0	1.80
20GS-38FDHORX90M	7347-93315	1 1/4	31.8	M52X2.0	—	60.0	3.43	87.1	7.11	180.6	4.31	109.5	38.0	3.34


### Male Kobelco Style



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
12GS-22MKB	7347-73665	3/4	19.1	M30X2.0	36.0	—	3.35	85.1	1.34	34.0	.42
12GS-28MKB	7347-73675	3/4	19.1	M36X1.5	41.0	—	3.62	92.0	1.61	40.9	.66
16GS-28MKB	7347-73095	1	25.4	M36X1.5	50.0	—	3.98	101.1	1.74	44.2	.97
16GS-35MKB	7347-73025	1	25.4	M45X1.5	50.0	—	3.74	95.0	1.50	38.1	.73

### Male British Standard Pipe Tapered



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
24GSP-24MBSPT	7347-95235	1 1/2	38.1	1 1/2-11	55.0	—	5.12	130.1	2.22	56.4	1.50

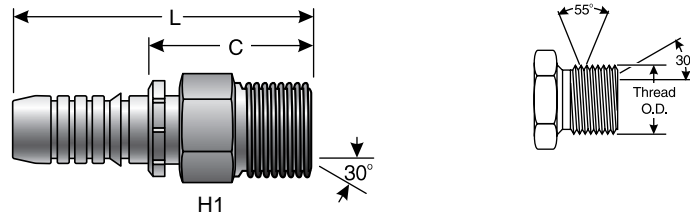
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





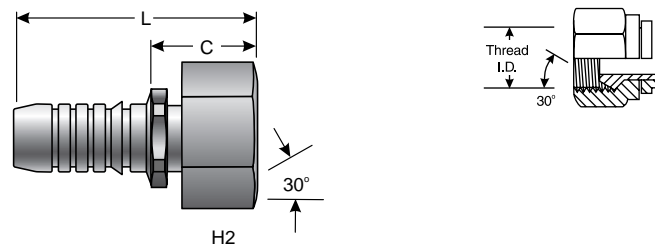
# GlobalSpiral™ Couplings

## Male British Standard Pipe Parallel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		mm	mm	mm	"	mm	"	mm
6GS-6MBSPP	7347-01775	3/8	9.5	3/8-19	22.0	—	2.48	63.0	1.07	27.2	.11
8GS-8MBSPP	7347-91365	1/2	12.7	1/2-14	27.0	—	2.66	67.6	1.81	46.0	.19
10GS-10MBSPP	7347-92615	5/8	15.9	5/8-14	30.0	—	2.66	67.6	1.18	30.0	.29
10GS-12MBSPP	7347-92625	5/8	15.9	3/4-14	32.0	—	3.35	85.1	1.37	34.8	.34
12GS-12MBSPP	7347-92205	3/4	19.1	3/4-14	32.0	—	3.35	85.1	1.37	34.8	.36
16GS-16MBSPP	7347-90825	1	25.4	1-11	41.0	—	3.86	98.1	1.62	41.2	.60
20GS-20MBSPP	7347-93365	1 1/4	31.8	1 1/4-11	50.0	—	4.65	118.1	1.85	47.0	1.21

## Female British Standard Parallel Pipe O-Ring Swivel

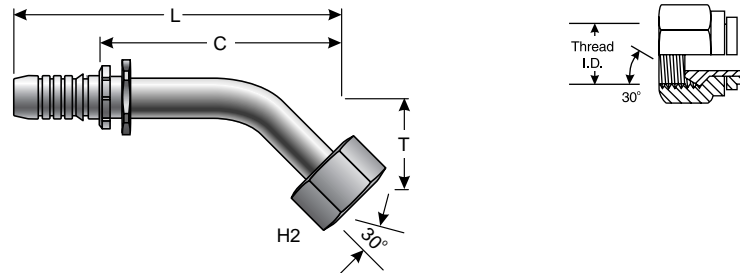


Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		mm	mm	mm	mm	"	mm	Lbs.
6GS-6FBSPORX	7347-92235	3/8	9.5	3/8-19	—	22.0	2.34	59.4	.93	23.6	.14
6GS-8FBSPORX	7347-92705	3/8	9.5	1/2-14	—	27.0	2.40	61.0	.93	23.6	.19
8GS-8FBSPORX	7347-91405	1/2	12.7	1/2-14	—	27.0	2.40	61.0	.93	23.6	.22
10GS-10FBSPORX	7347-92405	5/8	15.9	5/8-14	—	30.0	3.35	85.1	1.18	30.0	.37
10GS-12FBSPORX	7347-93965	5/8	15.9	3/4-14	—	30.0	3.35	85.1	1.37	34.8	.42
12GS-12FBSPORX	7347-93995	3/4	19.1	3/4-14	—	32.0	3.41	86.6	1.40	35.6	.48
12GS-16FBSPORX	7347-92585	3/4	19.1	1-11	—	41.0	3.74	95.0	1.40	35.6	.07
16GS-16FBSPORX	7347-90815	1	25.4	1-11	—	41.0	3.74	95.0	1.52	38.6	.84
16GS-20FBSPORX	7347-94195	1	25.4	1 1/2	—	50.0	3.27	83.1	1.03	26.2	.83
20GS-20FBSPORX	7347-93375	1 1/4	31.8	1 1/4-11	—	50.0	4.59	116.6	1.79	45.5	1.47
24GSP-24FBSPORX	7347-95025	1 1/2	38.1	1 1/2-11	—	55.0	4.92	125.0	2.01	51.1	1.95
32GSP-32FBSPORX	7347-95105	2	50.8	2-11	—	70.0	5.98	151.9	2.36	59.9	—

# GlobalSpiral™ Couplings

## Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube

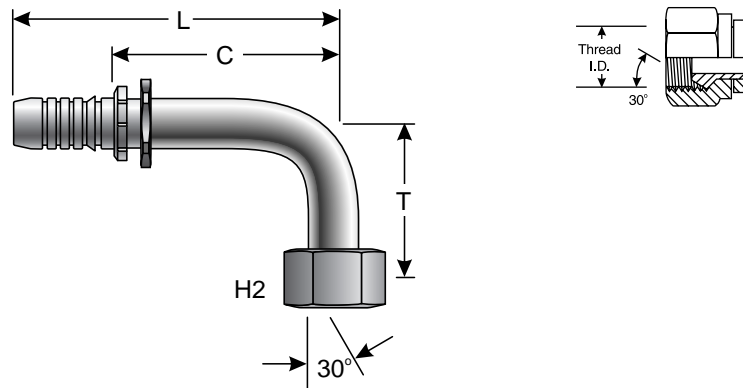
S, M and L Drops and Hex per ISO Working Draft 12151-6.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm				mm	mm	"	mm	"	mm	
6GS-6FBSPORX45M	7347-92345	3/8	9.5	3/8-19	—	22.0	.61	15.5	3.27	83.1	1.86	47.2	.18
8GS-8FBSPORX45M	7347-91415	1/2	12.7	1/2-14	—	27.0	.67	17.0	3.60	91.4	2.13	54.1	.43
10GS-10FBSPORX45	7347-92285	5/8	15.9	5/8-14	—	30.0	1.04	26.4	4.20	106.7	2.25	57.2	.50
12GS-12FBSPORX45M	7347-92245	3/4	19.1	3/4-14	—	32.0	1.11	28.2	5.29	134.4	3.28	83.3	.73
16GS-16FBSPORX45M	7347-92275	1	25.4	1-11	—	41.0	1.22	31.0	6.12	155.5	3.90	99.1	1.25
20GS-20FBSPORX45M	7347-93395	1 1/4	31.8	1 1/4-11	—	50.0	1.48	37.6	7.52	191.0	4.72	119.9	2.42
24GSP-24FBSPORX45	7347-95035	1 1/2	38.1	1 1/2-11	—	55.0	1.96	49.8	8.44	214.4	5.54	140.7	3.00
32GSP-32FBSPORX45	7347-95115	2	50.8	2-11	—	70.0	2.45	62.2	10.87	276.1	7.24	183.9	6.25

## Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube

S, M and L Drops and Hex per ISO Working Draft 12151-6.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm				mm	mm	"	mm	"	mm	
6GS-6FBSPORX90M	7347-92355	3/8	9.5	3/8-19	—	22.0	1.26	32.0	3.07	78.0	1.66	42.2	.19
8GS-8FBSPORX90M	7347-91425	1/2	12.7	1/2-14	—	27.0	1.48	37.6	3.46	87.9	1.99	50.6	.32
10GS-10FBSPORX90	7347-92295	5/8	15.9	5/8-14	—	30.0	1.90	48.3	4.70	119.4	2.45	62.2	.55

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

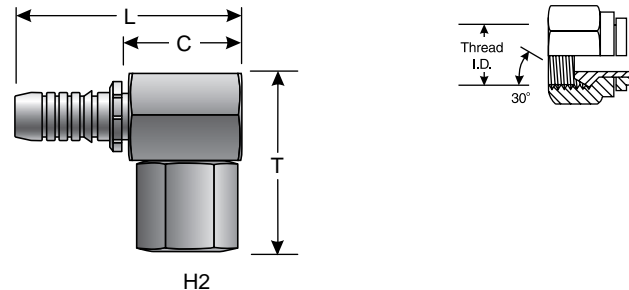


# GlobalSpiral™ Couplings

## Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube - Cont'd

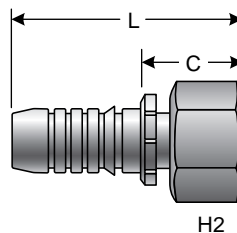
Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
12GS-12FBSPORX90M	7347-92225	3/4	19.1	3/4-14	—	32.0	2.36	59.9	4.86	123.4	2.85	72.4	.82
16GS-16FBSPORX90M	7347-90785	1	25.4	1-11	—	41.0	2.76	70.1	5.81	147.6	3.59	91.2	1.44
20GS-20FBSPORX90M	7347-93405	1 1/4	31.8	1 1/4-11	—	50.0	3.15	80.0	7.11	180.6	4.31	109.5	2.77
24GSP-24FBSPORX90	7347-95045	1 1/2	38.1	1 1/2-11	—	55.0	3.93	99.8	7.66	194.6	4.75	120.7	3.40
32GSP-32FBSPORX90	7347-95125	2	50.8	2-11	—	70.0	5.08	129.0	10.02	254.5	6.40	162.6	7.17

## Female British Standard Pipe Parallel O-Ring Swivel - 90° Block



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
12GS-12FBSPORX90BL	7347-93955	3/4	19.1	3/4-14	—	32.0	1.53	38.9	3.07	78.0	1.06	26.9	1.00

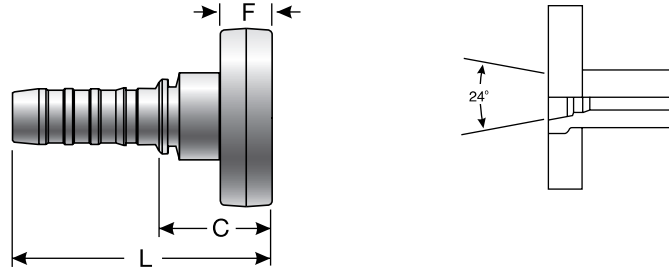
## Female British Flat Face Swivel



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
16GS-16FBFFX	7347-78915	1	25.4	1-11	—	41.0	3.78	96.0	1.56	39.6	1.01

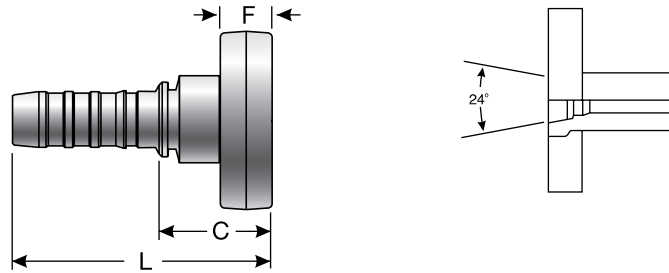
# GlobalSpiral™ Couplings

## Female French GAZ (Poclain) 24° High Pressure Flange



Descr.	Prod. No.	⊖		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	Lbs.
8GS-17FPFL	7347-93215	1/2	12.7	2.72	69.1	1.24	31.5	.56	14.2	.05
10GS-21FPFL	7347-92995	5/8	15.9	3.35	85.1	1.37	34.8	.56	14.2	.06
12GS-27FPFL	7347-93065	3/4	19.1	3.58	90.9	1.57	39.9	.56	14.2	.10
16GS-34FPFL	7347-93165	1	25.4	4.02	102.1	1.78	45.2	.56	14.2	.17
20GS-42FPFL	7347-93465	1 1/4	31.8	5.24	133.1	2.44	62.0	.56	14.2	.28

## Male French GAZ (Poclain) 24° High Pressure Flange



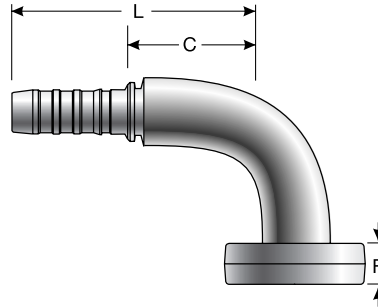
Descr.	Prod. No.	⊖		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	Lbs.
8GS-17MPFL	7347-93225	1/2	12.7	3.11	79.0	1.63	41.4	.56	14.2	.64
10GS-21MPFL	7347-93005	5/8	15.9	3.27	83.1	1.29	32.8	.56	14.2	.73
12GS-27MPFL	7347-93085	3/4	19.1	4.02	102.1	2.01	51.1	.56	14.2	1.30
16GS-34MPFL	7347-93185	1	25.4	4.51	114.6	2.27	57.7	.56	14.2	2.10
20GS-42MPFL	7347-93475	1 1/4	31.8	6.77	172.0	3.96	100.6	.56	14.2	4.27

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



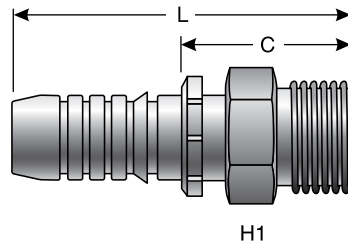
# GlobalSpiral™ Couplings

## Male French GAZ (Poclain) 24° High Pressure Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	
10GS-21MPFL90	7347-93045	5/8	15.9	2.27	57.7	3.62	92.0	1.64	41.7	.56	14.2	.78
20GS-32MPFL90	7347-93485	1 1/4	31.8	3.51	89.2	5.90	149.9	3.09	78.5	.56	14.2	3.77

## Male French GAZ

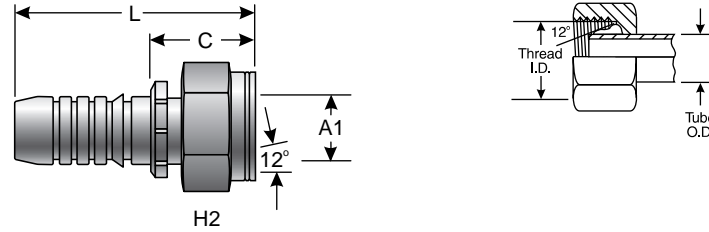


Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		mm	mm	"	mm	"	mm	
8GS-17MFG	7347-90655	1/2	12.7	M24X1.5	26.0	—	2.61	66.3	1.14	29.0	.18
12GS-21MFG	7347-94075	3/4	19.1	M30X1.5	32.0	—	3.23	82.0	1.22	31.0	.35
12GS-27MFG	7347-93055	3/4	19.1	M36X1.5	42.0	—	3.33	84.6	1.32	33.5	.54
16GS-34MFG	7347-93155	1	25.4	M45X1.5	50.0	—	3.70	94.0	1.46	37.1	.73

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS**
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

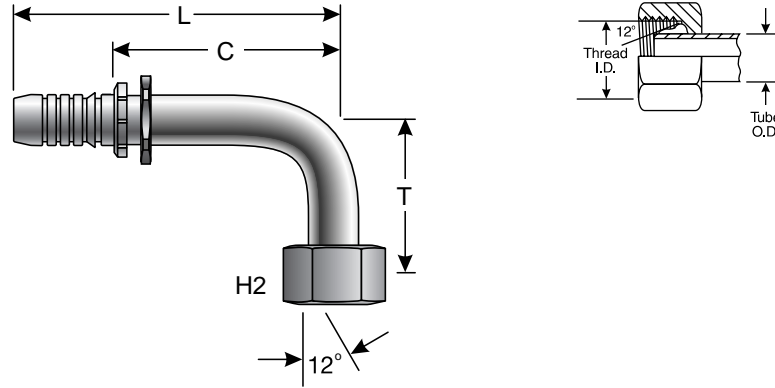
# GlobalSpiral™ Couplings

## Female French GAZ Swivel (Female Kobelco)



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		A1	Weight
		"	mm				"	mm	"	mm		
8GS-17FFGX	7347-90665	1/2	12.7	M24X1.5	—	30.0	2.68	68.1	1.20	30.5	16.8	.30
10GS-21FFGX	7347-93025	5/8	15.9	M30X1.5	—	36.0	3.44	87.4	1.44	36.6	21.3	.48
12GS-21FFGX	7347-94715	3/4	19.1	M30X1.5	—	36.0	3.27	83.1	1.29	32.8	21.3	.50
12GS-27FFGX	7347-93075	3/4	19.1	M36X1.5	—	41.0	3.41	86.6	1.40	35.6	26.6	.07
16GS-27FFGX	7347-94725	1	25.4	M36X1.5	—	41.0	3.41	86.6	1.40	35.6	26.6	.70
16GS-34FFGX	7347-93175	1	25.4	M45X1.5	—	55.0	3.76	95.5	1.54	39.1	33.5	1.00

## Female French GAZ Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Weight	
		"	mm					"	mm	"	mm		Lbs.
10GS-21FFGX90	7347-93035	5/8	15.9	M30X1.5	—	36.0	1.77	45.0	3.62	92.0	1.64	41.7	.53
12GS-21FFGX90	7347-94735	3/4	19.1	M30X1.5	—	36.0	2.00	50.8	4.91	124.7	2.90	73.7	.74
12GS5K-27FFGX90-060	7347-78645	3/4	19.1	M36X1.5	—	41.0	2.36	59.9	4.91	124.7	2.90	73.7	.91
16GS-27FFGX90	7347-94745	1	25.4	M30X1.5	—	41.0	2.64	67.1	5.94	150.9	3.72	94.5	1.36
16GS5K-34FFGX90-065	7347-78655	1	25.4	M45X1.5	—	55.0	2.56	65.0	5.67	144.0	3.45	87.6	1.71

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

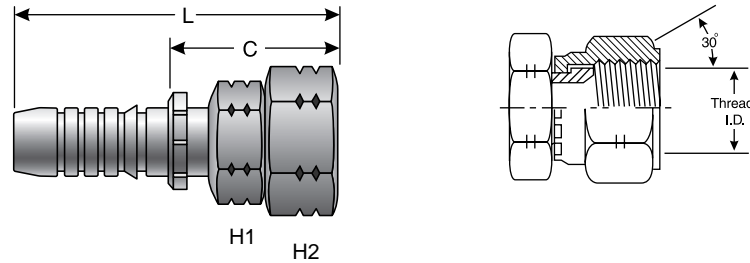
gates.com/hydraulics

E45

# GlobalSpiral™ Couplings

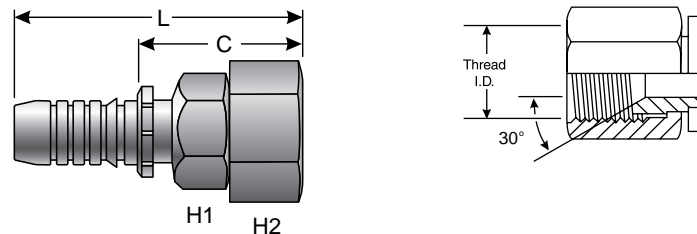
## Female Komatsu Style Japanese Metric Swivel

These female swivels have been marked with two small notches on the hex to identify them as the Komatsu style.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
8GS-8FKX	7347-35245	1/2	12.7	M22X1.5	27.0	27.0	2.93	74.4	1.46	37.1	.22
10GS-10FKX	7347-35345	5/8	15.9	M24X1.5	30.0	32.0	3.74	95.0	1.76	44.7	.45
12GS-12FKX	7347-35445	3/4	19.1	M30X1.5	32.0	36.0	4.00	101.6	2.00	50.8	.64
16GS-16FKX	7347-35555	1	25.4	M33X1.5	41.0	41.0	4.51	114.6	2.29	58.2	.90
24GSP-24FKX	7347-35725	1 1/2	38.1	M42X1.5	49.0	59.0	5.81	147.6	2.92	74.2	2.10

## Female Japanese Industrial Standard 30° Flare Swivel



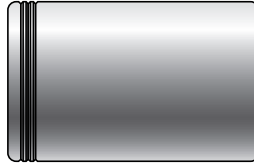
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
12GS-12FJISX	7347-76195	3/4	19.1	3/4-14	32.0	36.0	3.87	98.3	1.86	47.2	.64
16GS-16FJISX	7347-76005	1	25.4	1-11	41.0	41.0	4.25	108.0	2.03	51.6	.86
20GS-20FJISX	7347-76235	1 1/4	31.8	1 1/4-11	27.0	50.0	5.35	135.9	2.56	65.0	.16
24GSP-24FJISX	7347-79345	1 1/2	38.1	1 1/2-11	54.0	54.0	5.61	142.5	2.72	69.1	1.84

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

# GlobalSpiral™ Couplings

## GS Ferrule for Wire Braid Hose

Consult eCrimp for wire braid types and sizes.



Descr.	Prod. No.	⊖		L		⊕		Weight Lbs.
		"	mm	"	mm	"	mm	
6GS1F-1	7347-02875	3/8	9.5	1.20	30.5	.96	24.4	.08
6GS1F-2	7347-02945	3/8	9.5	1.20	30.5	1.06	26.9	.10
8GS1F-2	7347-02955	1/2	12.7	1.47	37.3	1.15	29.2	.10
10GS1F-2	7347-02965	5/8	15.9	1.40	35.6	1.33	33.8	.13
12GS1F-2	7347-02975	3/4	19.1	1.73	44.0	1.57	39.9	.23
16GS1F-2	7347-02985	1	25.4	2.06	52.3	1.94	49.3	.39
20GS1F-2	7347-02995	1 1/4	31.8	2.41	61.2	2.37	60.2	.63

## GSP Ferrule for Wire Braid Hose



Descr.	Prod. No.	⊖		L		⊕		Weight Lbs.
		"	mm	"	mm	"	mm	
24GSP1F-2	7347-03165	1 1/2	38.1	2.98	75.7	2.76	70.1	1.08
32GSP1F-2	7347-03185	2	50.8	3.54	89.9	3.29	83.6	1.56

## GS Ferrule for 4-Spiral Hose



Descr.	Prod. No.	⊖		L		⊕		Weight Lbs.
		"	mm	"	mm	"	mm	
6GS1F-4	7347-03105	3/8	9.5	1.43	36.3	1.25	31.8	.18
8GS1F-4	7347-03115	1/2	12.7	1.44	36.9	1.35	34.3	.18
10GS1F-4	7347-03125	5/8	15.9	1.88	47.8	1.64	41.7	.28
12GS1F-4	7347-03135	3/4	19.1	2.00	50.8	1.80	45.7	.40

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
<b>GLOBALSPIRAL COUPLINGS</b>
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





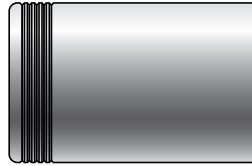
# GlobalSpiral™ Couplings

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS**
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

## GS Ferrule for 4-Spiral Hose - Cont'd

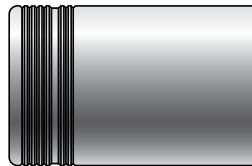
Descr.	Prod. No.	⊖		L		⊕		Weight
		"	mm	"	mm	"	mm	
16GS1F-4	7347-03145	1	25.4	2.22	56.4	2.07	52.6	.55
20GS1F-4	7347-03155	1 1/4	31.8	2.67	67.8	2.42	61.5	.75

## GSP Ferrule for 4-Spiral Hose



Descr.	Prod. No.	⊖		L		⊕		Weight
		"	mm	"	mm	"	mm	
24GSP1F-4	7347-03175	1 1/2	38.1	3.01	76.5	2.83	71.9	1.36
32GSP1F-4	7347-03195	2	50.8	3.58	90.9	3.35	85.1	1.74

## GS Ferrule for 6-Spiral Hose

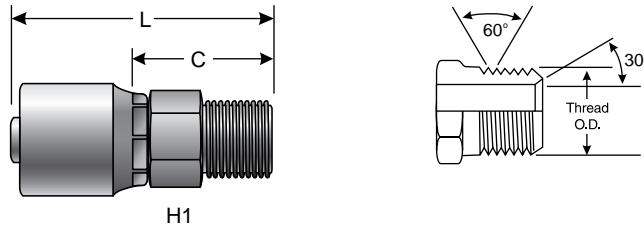


Descr.	Prod. No.	⊖		L		⊕		Weight
		"	mm	"	mm	"	mm	
20GS1F-6	7347-02905	1 1/4	31.8	2.87	72.9	2.67	67.8	1.05

# GlobalSpiral™ Couplings

## 1 1/4" Special One-Piece Couplings - Male Pipe (NPTF - 30° Cone Seat)

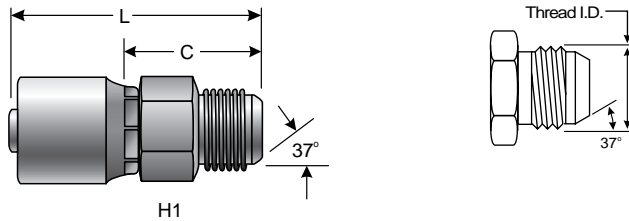
MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
20MGS-20MP	7347-86005	1 1/4	31.8	1 1/4-11 1/2	1 3/4	—	5.00	127.0	2.20	55.9	.18

## 1 1/4" Special One-Piece Couplings - Male JIC 37° Flare

MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
20MGS-20MJ	7347-86015	1 1/4	31.8	1 5/8-12	1 3/4	—	4.92	125.0	2.12	53.9	.18

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

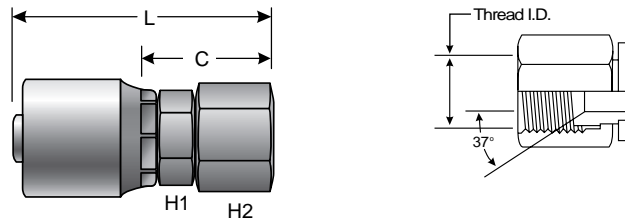




# GlobalSpiral™ Couplings

## 1 1/4" Special One-Piece Couplings - Female JIC 37° Flare Swivel

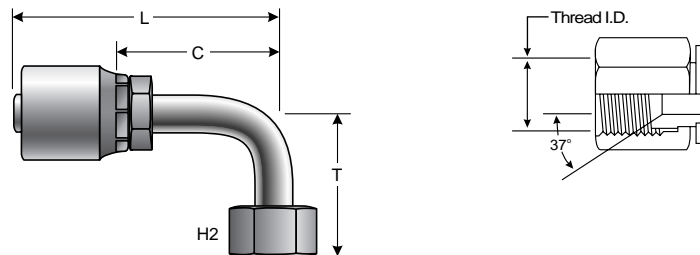
MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
20MGS-20FJX	7347-86025	1 1/4	31.8	1 5/8-12	1 7/8	2	5.35	135.9	2.56	65.0	2.48

## 1 1/4" Special One-Piece Couplings - Female JIC 37° Flare Swivel - 90° Bent Tube

MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Weight	
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
20MGS-20FJX90M-078	7347-86035	1 1/4	31.8	1 5/8-12	—	2	3.07	78.0	6.85	174.0	4.05	102.9	3.35

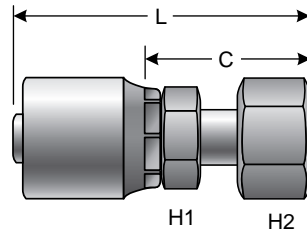
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



# GlobalSpiral™ Couplings

## 1 1/4" Special One-Piece Couplings - Female Flat-Face O-Ring Swivel

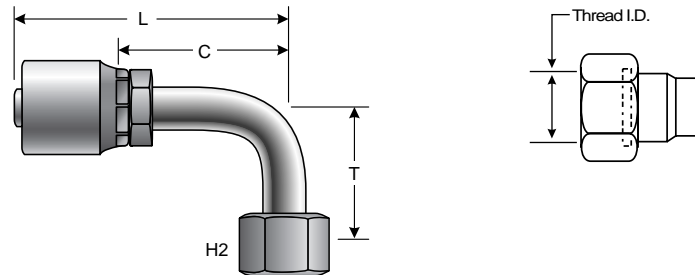
MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
20MGS-20FFORX	7347-86045	1 1/4	31.8	1 11/16-12	50.0	50.0	5.04	128.0	2.24	56.9	.21

## 1 1/4" Special One-Piece Couplings - Female Flat-Face O-Ring Swivel - 90° Bent Tube

MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Weight	
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
20MGS-20FFORX90M	7347-86055	1 1/4	31.8	1 11/16-12	—	50.0	3.07	78.0	6.77	172.0	3.97	100.8	.29

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
<b>GLOBALSPIRAL COUPLINGS</b>
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

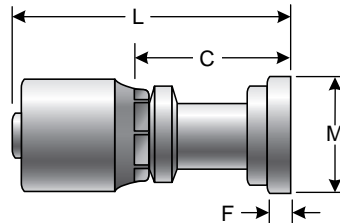




# GlobalSpiral™ Couplings

## 1 1/4" Special One-Piece Couplings - Code 61 O-Ring Flange

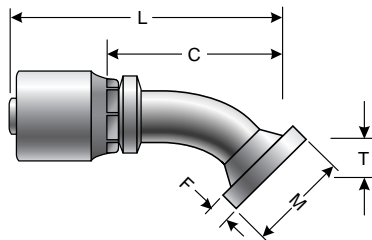
MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		M		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
20MGS-20FL	7347-86065	1 1/4	31.8	2.00	50.8	5.75	146.1	2.95	74.9	.32	8.1	.20

## 1 1/4" Special One-Piece Couplings - Code 61 O-Ring Flange - 45° Bent Tube

MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
20MGS-20FL45S-032	7347-86075	1 1/4	31.8	2.00	50.8	1.26	32.0	6.69	169.9	3.89	98.8	.32	8.1	.05

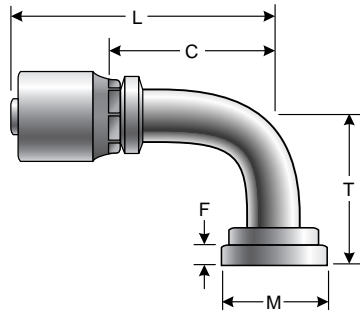
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# GlobalSpiral™ Couplings

## 1 1/4" Special One-Piece Couplings - Code 61 O-Ring Flange - 90° Bent Tube

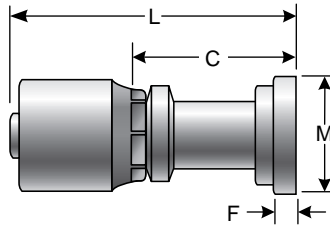
MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
20MGS-20FL90M-090	7347-86085	1 1/4	31.8	2.00	50.8	3.54	89.9	6.54	166.1	3.74	95.0	.32	8.1	.30

## 1 1/4" Special One-Piece Couplings - Code 62 O-Ring Flange

MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		M		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
20MGS-20FLH	7347-86135	1 1/4	31.8	2.13	54.1	5.75	146.1	2.95	74.9	.41	10.4	.23

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
<b>GLOBALSPIRAL COUPLINGS</b>
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

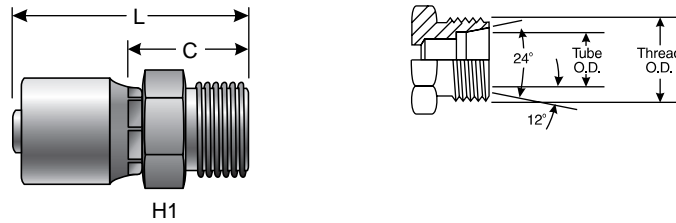


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# GlobalSpiral™ Couplings

## 1 1/4" Special One-Piece Couplings - Male DIN 24° Cone - Heavy Series

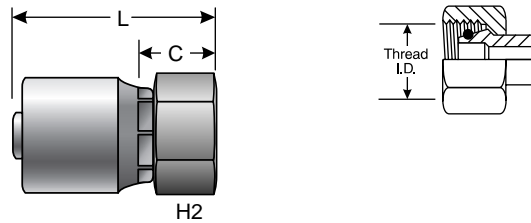
MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		M52X2.0	H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
20MGS-38MDH	7347-86115	1 1/4	31.8	M52X2.0	55.0	—	4.84	122.9	2.04	51.8	.20

## 1 1/4" Special One-Piece Couplings - Female DIN 24° Cone Swivel - Heavy Series with O-Ring

MGS Couplings for use with MC4-20 Crimper Only.

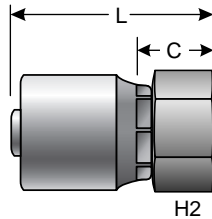



Descr.	Prod. No.	⊖		M52X2.0	H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
20MGS-38FDHORX	7347-86095	1 1/4	31.8	M52X2.0	—	60.0	5.71	145.0	2.91	73.9	.23

# GlobalSpiral™ Couplings

## 1 1/4" Special One-Piece Couplings - Female British Standard Pipe Parallel O-Ring Swivel

MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		mm	mm	mm	"	mm	"	mm
20MGS-20FBSPORX	7347-86105	1 1/4	31.8	1 1/4-11	—	60.0	4.59	116.6	1.79	45.5	.16

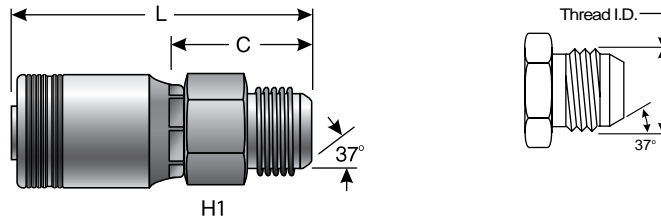
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
<b>GLOBALSPIRAL COUPLINGS</b>
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





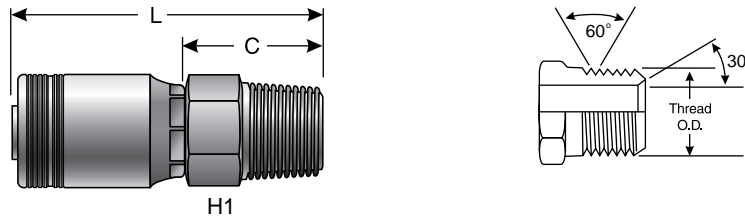
# GlobalSpiral™ High Pressure Couplings

## Male JIC 37° Flare



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
24GSH-24MJ	7341-02555	1 1/2	38.1	1 7/8-12	1.97	—	6.39	162.3	2.65	67.3	1.52
32GSH-32MJ	7341-06465	2	50.8	2 1/2-12	2.56	—	7.72	196.1	3.24	82.3	6.05

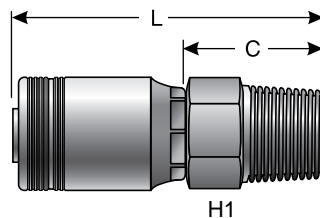
## Male Pipe (NPTF - 30° Cone Seat)



Do Not Use in Oil Field (API) Connections

Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
24GSH-24MP	7341-02585	1 1/2	38.1	1 1/2-11	2	—	6.51	165.4	2.77	70.4	1.53
32GSH-32MP	7341-06455	2	50.8	2-1 1/2	2.75	—	7.54	191.5	3.05	77.5	6.09

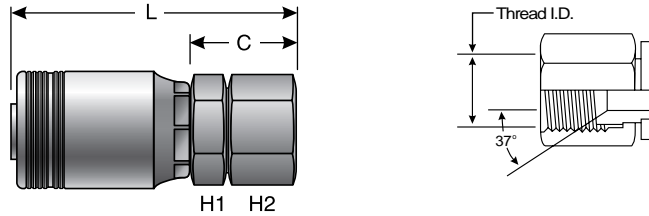
## Male Pipe for API Unions




Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
24GSH-24MPAPI	7341-02735	1 1/2	38.1	1 1/2-11	2	—	5.76	146.3	2.23	56.6	3.85
32GSH-32MPAPI	7341-06475	2	50.8	2-1 1/2	2.75	—	9.39	238.5	4.90	124.5	3.58

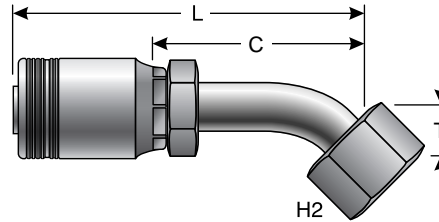
# GlobalSpiral™ High Pressure Couplings


## Female JIC 37° Flare Swivel



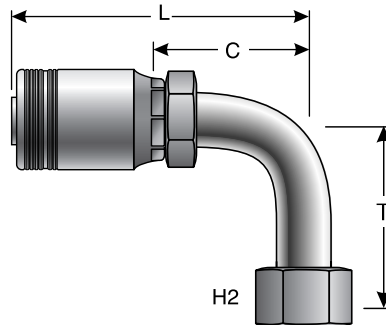
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
24GSH-24FJX	7341-02525	1 1/2	38.1	1 7/8-12	2.17	2.36	6.78	172.2	3.04	77.2	4.25
32GSH-32FJX	7341-06445	2	50.8	2 1/2-12	2.76	2.95	8.07	205.0	3.59	91.2	8.69


## Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖			H1	H1	H2	H2	T	L		C		Weight	
		"	mm							"	mm	"	mm		"
24GSH-24FJX45-034	7341-02535	1 1/2	38.1	1 7/8-12	—	55.0	60.00	—	1.34	34.0	8.90	226.1	5.15	130.8	5.01

## Female JIC 37° Flare Swivel - 90° Bent Tube



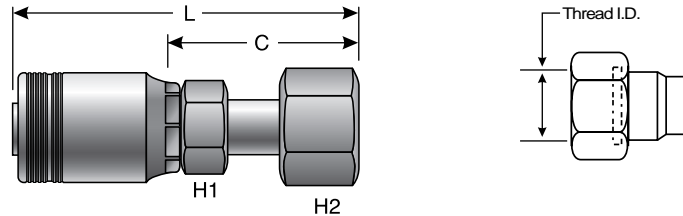
Descr.	Prod. No.	⊖			H1	H1	H2	H2	T	L		C		Weight	
		"	mm							"	mm	"	mm		"
24GSH-24FJX90M	7341-02545	1 1/2	38.1	1 7/8-12	—	55.0	60.00	—	3.39	86.1	8.96	227.6	7.18	182.4	5.45

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



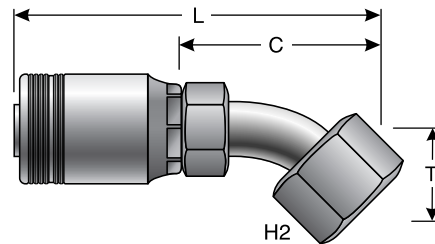
# GlobalSpiral™ High Pressure Couplings

## Female Flat-Face Swivel



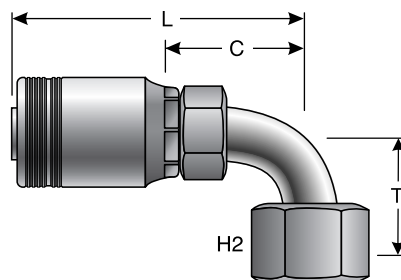
Descr.	Prod. No.	⊖		🌀	H1	H1	H2	H2	L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	Lbs.
24GSH-24FFORX	7341-02445	1 1/2	38.1	2-12	2.17	—	2.36	—	6.47	164.3	2.73	69.3	4.20
32GSH-32FFORX	7341-06505	2	50.8	2-12	—	55.0	75.00	—	9.31	236.6	3.11	79.0	7.04

## Female Flat-Face Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H1	H2	H2	T	L		C		Weight	
		"	mm		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
24GSH4K-24FFORX45-038	7341-02455	1 1/2	38.1	2-12	—	55.0	60.00	—	1.50	38.1	9.31	236.6	5.56	141.1	4.86

## Female Flat-Face Swivel - 90° Bent Tube

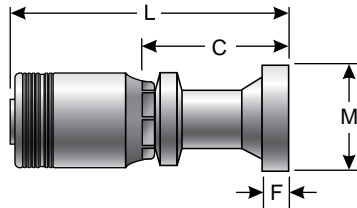


Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Weight	
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
24GSH4K-24FFORX90M	7341-02475	1 1/2	38.1	2-12	—	2.50	3.41	86.6	8.48	215.4	3.69	93.7	5.20

# GlobalSpiral™ High Pressure Couplings

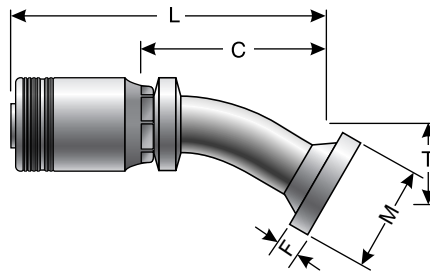
## Code 61 O-Ring Flange

Maximum working pressure 3,000 PSI.



Descr.	Prod. No.	⊖		M		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FL	7341-01905	1 1/2	38.1	2.38	60.5	7.09	180.1	3.35	85.1	.31	7.9	3.62
24GSH-32FL	7341-01915	1 1/2	38.1	2.81	71.4	7.40	188.0	3.66	93.0	.38	9.7	3.88
32GSH-32FL	7341-06335	2	50.8	2.81	71.4	9.90	251.5	5.41	137.4	.38	9.7	3.21

## Code 61 O-Ring Flange - 30° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FL30M	7341-01925	1 1/2	38.1	2.38	60.5	1.77	45.0	8.52	216.4	5.00	127.0	.32	8.1	4.52

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

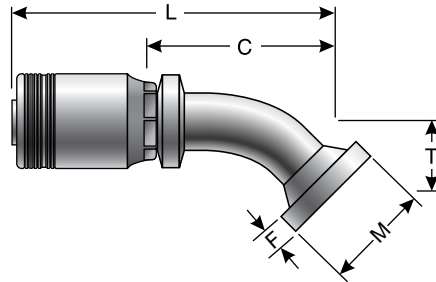




# GlobalSpiral™ High Pressure Couplings

## Code 61 O-Ring Flange - 45° Bent Tube

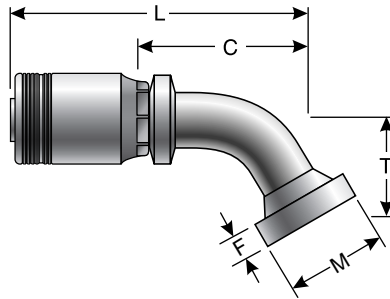
Maximum working pressure 3,000 PSI.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FL45M	7341-01945	1 1/2	38.1	2.38	60.5	1.73	43.9	9.05	229.9	5.31	134.9	.31	7.9	4.55
24GSH-32FL45S	7341-01955	1 1/2	38.1	2.81	71.4	2.05	52.1	9.13	231.9	5.34	136.6	.38	9.7	4.80
32GSH-32FL45M	7341-06345	2	50.8	2.81	71.4	2.20	55.9	11.30	287.0	6.83	173.5	.38	9.7	8.31

## Code 61 O-Ring Flange - 60° Bent Tube

Maximum working pressure 3,000 PSI.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FL60M	7341-01965	1 1/2	38.1	2.38	60.5	2.52	64.0	9.50	241.3	5.75	146.1	.31	7.9	4.77

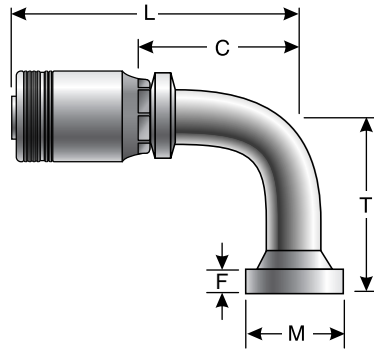
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



# GlobalSpiral™ High Pressure Couplings

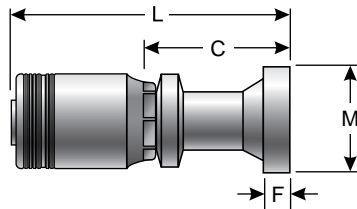
## Code 61 O-Ring Flange - 90° Bent Tube

Maximum working pressure 3,000 PSI.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FL90S	7341-01985	1 1/2	38.1	2.38	60.5	3.19	81.0	8.46	214.9	4.72	119.9	.31	7.9	2.18
32GSH-32FL90-130	7341-06355	2	50.8	2.81	71.4	5.12	130.1	10.39	263.9	5.94	150.9	.38	9.7	4.25

## Code 62 O-Ring Flange Heavy



Descr.	Prod. No.	⊖		M		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-20FLH	7341-02245	1 1/2	38.1	2.13	54.1	7.87	199.9	4.13	104.9	.41	10.4	3.06
24GSH-24FLH	7341-02255	1 1/2	38.1	2.50	63.5	7.87	199.9	4.13	104.9	.50	12.7	1.86
24GSH-32FLH	7341-02265	1 1/2	38.1	3.13	79.5	7.87	199.9	4.13	104.9	.50	12.7	2.14
32GSH-24FLH	7341-06135	2	50.8	2.50	63.5	9.04	229.6	4.55	115.6	.50	12.7	6.11
32GSH-32FLH	7341-15605	2	50.8	3.13	79.5	9.90	251.5	5.41	137.4	.50	12.7	7.64

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
<b>GLOBALSPIRAL COUPLINGS</b>
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

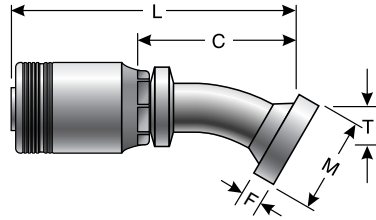




EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

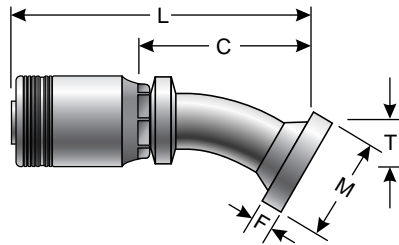
# GlobalSpiral™ High Pressure Couplings

## Code 62 O-Ring Flange Heavy - 22° Bent Tube



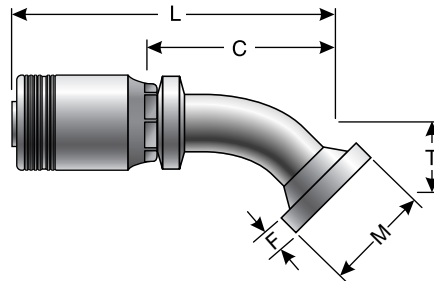
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
24GSH-24FLH20-024	7341-02395	1 1/2	38.1	2.50	63.5	.94	23.9	9.56	242.8	5.81	147.6	.50	12.7	4.67
24GSH-24FLH22M	7341-02275	1 1/2	38.1	2.50	63.5	.70	17.8	9.56	242.8	5.84	148.4	.50	12.7	4.70

## Code 62 O-Ring Flange Heavy - 30° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
24GSH-24FLH30M	7341-02295	1 1/2	38.1	2.50	63.5	3.54	89.9	9.45	240.0	5.70	144.8	.50	12.7	2.13
32GSH-32FLH30M	7341-06215	2	50.8	3.13	79.5	1.25	31.8	12.24	311.0	7.74	196.8	.50	12.7	8.86

## Code 62 O-Ring Flange Heavy - 45° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
24GSH-24FLH45M	7341-02315	1 1/2	38.1	2.50	63.5	1.73	43.9	9.13	231.9	5.39	136.9	.50	12.7	2.14
24GSH-32FLH45M	7341-02325	1 1/2	38.1	3.13	79.5	2.20	55.9	9.48	240.8	5.74	146.0	.50	12.7	5.46

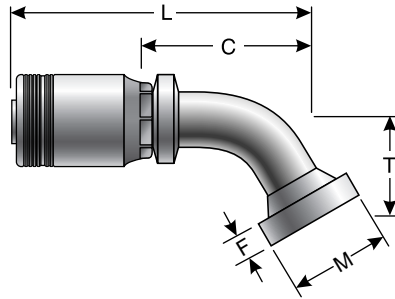


# GlobalSpiral™ High Pressure Couplings

## Code 62 O-Ring Flange Heavy - 45° Bent Tube - Cont'd

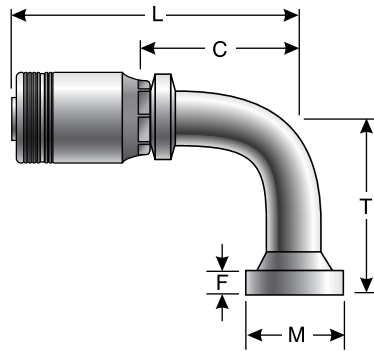
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
32GSH-32FLH45-063	7341-06225	2	50.8	3.13	79.5	2.48	63.0	11.67	296.4	7.18	182.4	.50	12.7	9.40

## Code 62 O-Ring Flange Heavy - 60° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FLH60M	7341-02335	1 1/2	38.1	2.50	63.5	2.50	63.5	9.25	235.0	6.23	158.2	.50	12.7	2.34
32GSH-32FLH60M	7341-06235	2	50.8	3.13	79.5	3.26	82.8	12.28	311.9	7.77	197.4	.50	12.7	10.60

## Code 62 O-Ring Flange Heavy - 90° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FLH90-094	7341-02355	1 1/2	38.1	2.50	63.5	3.70	94.0	8.73	221.7	4.68	118.9	.50	12.7	2.35
24GSH-24FLH90-150	7341-02375	1 1/2	38.1	2.50	63.5	5.90	149.9	8.42	213.9	4.68	118.9	.50	12.7	6.01
24GSH-32FLH90S	7341-02365	1 1/2	38.1	2.81	71.4	4.72	119.9	8.42	213.9	4.68	118.9	.50	12.7	2.79
32GSH-32FLH90-159	7341-15615	2	50.8	3.13	79.5	6.26	159.0	10.41	264.4	5.92	150.4	.50	12.7	11.40
32GSH-32FLH90M	7341-06275	2	50.8	3.13	79.5	5.40	137.2	10.41	264.4	6.24	158.5	.50	12.7	10.05
32GSH-32FLH90S	7341-06255	2	50.8	3.13	79.5	4.72	119.9	10.39	263.9	5.92	150.4	.50	12.7	9.91

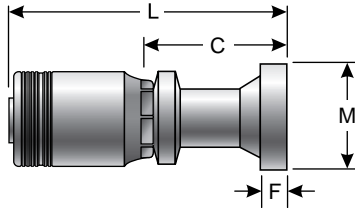
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





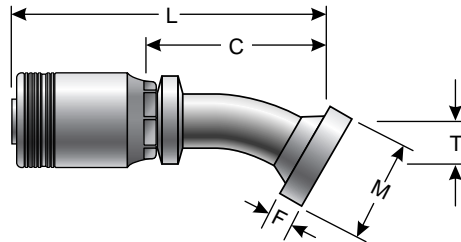
# GlobalSpiral™ High Pressure Couplings

## Caterpillar Style O-Ring Flange



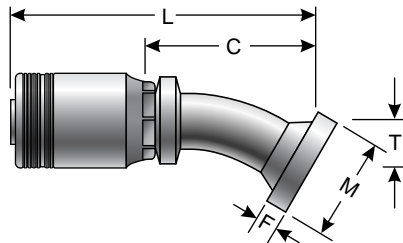
Descr.	Prod. No.	⊖		M		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
24GSH-24FLC	7341-02055	1 1/2	38.1	2.50	63.5	7.44	189.0	3.71	94.2	.56	14.2	4.02
24GSH-24FLCL	7341-02175	1 1/2	38.1	2.50	63.5	9.37	238.0	5.64	143.3	.56	14.2	2.11
24GSH-32FLC	7341-02065	1 1/2	38.1	3.13	79.5	7.87	199.9	4.13	104.9	.56	14.2	4.77
32GSH-32FLC	7341-06385	2	50.8	3.13	79.5	8.96	227.6	4.48	113.8	.56	14.2	3.22

## Caterpillar Style O-Ring Flange - 22° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
24GSH-24FLC22-017	7341-02075	1 1/2	38.1	2.50	63.5	.66	16.8	9.29	236.0	5.57	141.5	.56	14.2	4.63
24GSH-32FLC22-022	7341-02085	1 1/2	38.1	3.13	79.5	.87	22.1	7.87	261.0	4.13	104.9	.56	14.2	5.65

## Caterpillar Style O-Ring Flange - 30° Bent Tube



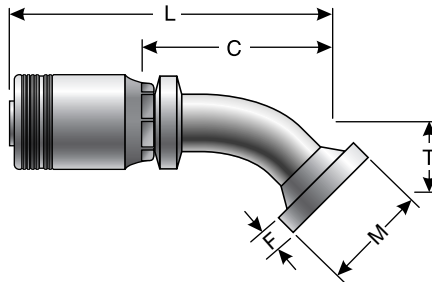
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
24GSH-24FLC30-023	7341-02095	1 1/2	38.1	2.50	63.5	.90	22.9	9.25	235.0	5.49	139.5	.56	14.2	2.11

# GlobalSpiral™ High Pressure Couplings

## Caterpillar Style O-Ring Flange - 30° Bent Tube - Cont'd

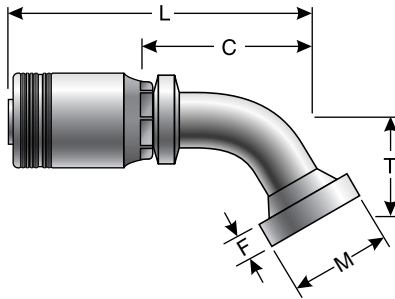
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-32FLC30-035	7341-02105	1 1/2	38.1	3.13	79.5	1.37	34.8	10.11	257.0	6.36	161.6	.56	14.2	5.64
32GSH-32FLC30-035	7341-06425	2	50.8	3.13	79.5	1.37	34.8	11.85	301.2	7.37	187.2	.56	14.2	8.88

## Caterpillar Style O-Ring Flange - 45° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FLC45-039	7341-02115	1 1/2	38.1	2.50	63.5	1.54	39.1	8.94	227.1	5.20	132.1	.56	14.2	2.12
24GSH-32FLC45-059	7341-02125	1 1/2	38.1	3.13	79.5	2.32	58.9	9.60	244.0	5.86	149.0	.56	14.2	5.68
32GSH-32FLC45-064	7341-06395	2	50.8	3.13	79.5	3.25	82.6	11.36	288.5	7.54	191.5	.56	14.2	9.00

## Caterpillar Style O-Ring Flange - 60° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FLC60-055	7341-02135	1 1/2	38.1	2.50	63.5	2.17	55.1	9.91	251.7	6.17	156.7	.56	14.2	5.15
24GSH-32FLC60-087	7341-02145	1 1/2	38.1	3.13	79.5	3.42	86.9	11.69	297.0	7.94	201.9	.56	14.2	6.62
32GSH-32FLC60-083	7341-06405	2	50.8	3.13	79.5	3.27	83.1	12.67	321.8	8.17	207.5	.56	14.2	10.20

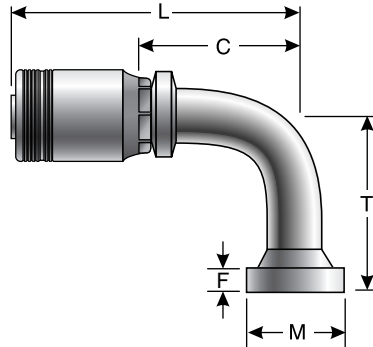
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS**
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

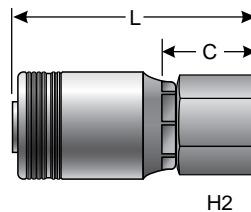
# GlobalSpiral™ High Pressure Couplings

## Caterpillar Style O-Ring Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FLC90-087	7341-02155	1 1/2	38.1	2.50	63.5	3.43	87.1	8.43	214.1	4.70	119.4	.56	14.2	2.35
24GSH-32FLC90-140	7341-02165	1 1/2	38.1	3.13	79.5	5.51	140.0	8.85	225.0	5.11	129.9	.56	14.2	6.59
32GSH-32FLC90-130	7341-06415	2	50.8	3.13	79.5	5.12	130.1	10.40	264.2	5.92	150.4	.56	14.2	4.51

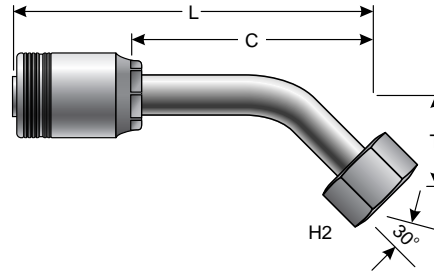
## Female British Standard Parallel Pipe O-Ring Swivel



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight Lbs.
		"	mm		mm	mm	"	mm	"	mm	
24GSH-24FBSPORX	7341-07015	1 1/2	38.1	1 1/2	—	55.0	6.06	153.9	2.32	58.9	3.87
32GSH-32FBSPORX	7341-07005	2	50.8	2-11	—	70.0	7.24	183.9	2.75	69.9	7.45

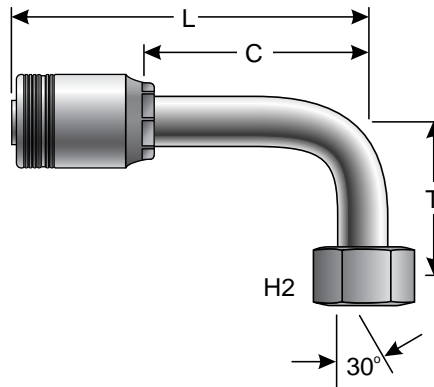
# GlobalSpiral™ High Pressure Couplings

## Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		mm	mm	"	mm	"	mm	"	mm	
24GSH-24FBSPORX45	7341-07035	1 1/2	38.1	1 1/2	—	55.0	1.96	49.8	9.56	242.8	5.81	147.6	5.00
32GSH-32FBSPORX45	7341-07095	2	50.8	2-11	—	70.0	3.40	86.4	12.56	319.0	8.06	204.7	9.52

## Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube



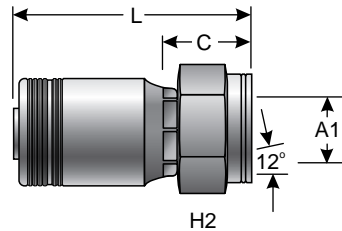
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		mm	mm	"	mm	"	mm	"	mm	
24GSH-24FBSPORX90	7341-07045	1 1/2	38.1	1 1/2	—	55.0	3.94	100.1	8.76	222.5	5.02	127.5	5.33
32GSH-32FBSPORX90	7341-07105	2	50.8	2-11	—	70.0	6.54	166.1	10.89	276.6	6.39	162.3	10.38

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



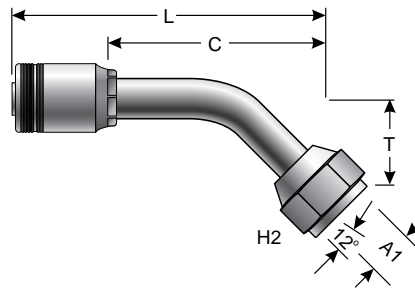
# GlobalSpiral™ High Pressure Couplings

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring



Descr.	Prod. No.	⊖		M52X2.0	H1	H2	L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	mm	Lbs.
24GSH-38FDHORX	7341-07055	1 1/2	38.1	M52X2.0	—	60.0	7.09	180.1	3.35	85.1	38.0	4.40

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube

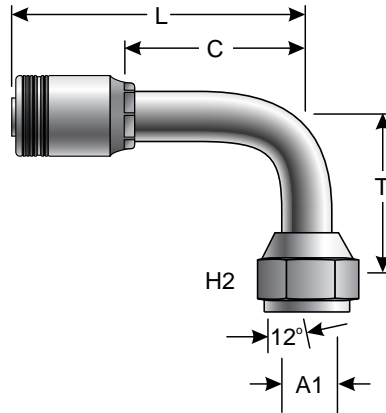



Descr.	Prod. No.	⊖		M52X2.0	H1	H2	T		L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	Lbs.
24GSH-38FDHORX45	7341-07065	1 1/2	38.1	M52X2.0	—	60.0	1.74	44.2	9.33	237.0	5.59	142.0	38.0	5.06

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

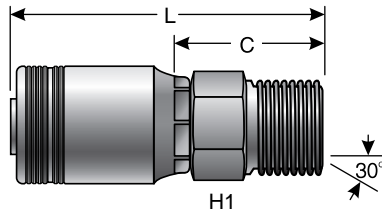
# GlobalSpiral™ High Pressure Couplings


## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T		L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	Lbs.
24GSH-38FDHORX90	7341-07075	1 1/2	38.1	M52X2.0	—	60.0	3.62	92.0	8.76	222.5	5.02	127.5	38.0	5.43

## Male British Standard Pipe Parallel



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
24GSH-24MBSPP	7341-07025	1 1/2	38.1	1 1/2-11	2.0	—	6.41	162.8	2.67	67.8	3.64
32GSH-32MBSPP	7341-07125	2	50.8	2-11	70.1	—	7.40	188.0	2.91	73.9	5.87

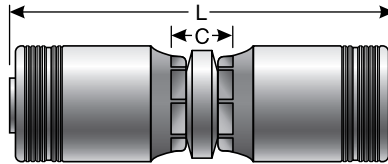
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





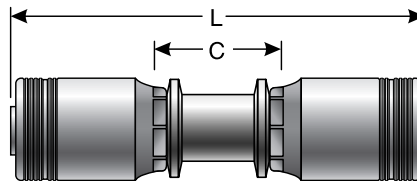
# GlobalSpiral™ High Pressure Couplings


## Hose Length Extender



Descr.	Prod. No.	⊖		L		C		Weight
		"	mm	"	mm	"	mm	Lbs.
32GSH-32HLE	7341-06485	2	50.8	11.11	282.0	2.14	54.4	8.87

## Hose Length Extender for Caterpillar with Clamping Area



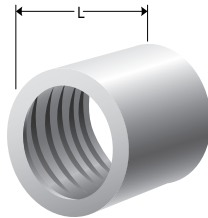
Descr.	Prod. No.	⊖			L	C	Weight
		"	mm		"	"	Lbs.
24GSH-24HLEC	7341-02645	1 1/2	38.1	1 1/2	10.66	3.18	2.58

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



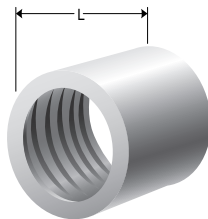
# Power Crimp® PCM & PCS Ferrules

## PCM Skive Ferrules



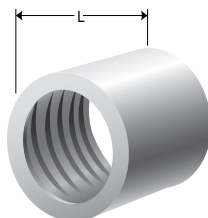
Descr.	Prod. No.	⊖	L		∅		Weight
		"	"	mm	"	mm	
10PCM-2F	7343-02605	5/8	1.81	46.0	1.41	35.8	.30
12PCM-2F	7343-02515	3/4	2.05	52.1	1.74	44.2	.33
16PCM-2F	7343-02525	1	2.28	57.9	1.70	43.2	.45
20PCM-2F	7343-02565	1 1/4	2.84	72.1	2.15	54.6	.72
24PCM-2F	7343-02545	1 1/2	3.50	88.9	2.44	62.0	1.45
32PCM-2F	7343-02575	2	3.68	93.5	3.45	87.6	2.48

## PCM-G6K Ferrules



Descr.	Prod. No.	⊖	L		∅		Weight
		"	"	mm	"	mm	
24PCM-G6K	7343-09805	1 1/2	3.53	89.7	2.77	70.4	1.64

## PCS Non-Skive Ferrule



Descr.	Prod. No.	⊖	L		∅		Weight
		"	"	mm	"	mm	
6PCS1F	7342-07705	3/8	1.10	27.9	1.23	31.2	.12

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
<b>PCM/PCS FERRULES</b>
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





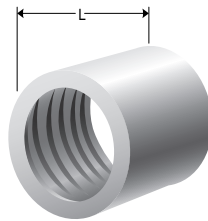


# Power Crimp® PCM & PCS Ferrules

## PCS Non-Skive Ferrule - Cont'd

Descr.	Prod. No.	⊖	L			⊘		Weight
		"	"	mm	"	mm	Lbs.	
8PCS1F	7342-07715	1/2	1.50	38.1	1.36	34.5	.18	
12PCS1F	7342-07725	3/4	1.97	50.0	1.65	41.9	.28	
24PCS1F	7342-07755	1 1/2	3.50	88.9	2.77	70.4	1.30	
32PCS1F-G3K	7342-07775	2	3.43	87.1	3.34	84.8	1.76	

## PCS Skive Ferrule



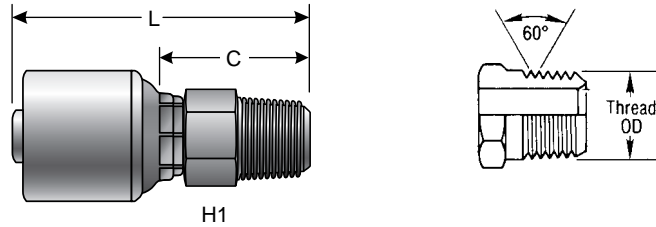
Descr.	Prod. No.	⊖	L			⊘		Weight
		"	"	mm	"	mm	Lbs.	
6PCS-2F	7342-02585	3/8	1.10	27.9	1.01	25.7	.37	
8PCS-2F	7342-02595	1/2	1.50	38.1	1.21	30.7	.40	
12PCS-2F	7342-07545	3/4	1.97	50.0	1.50	38.1	1.50	
16PCS-2F	7342-07555	1	2.07	52.6	1.97	50.0	.35	
20PCS-2F	7342-07565	1 1/4	2.77	70.4	2.25	57.2	.80	
24PCS-2F	7342-07575	1 1/2	2.77	70.4	2.54	64.5	.89	
32PCS-2F	7342-07585	2	3.43	87.1	3.08	78.2	1.69	

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
<b>PCM/PCS FERRULES</b>
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# MegaCrimp® Couplings

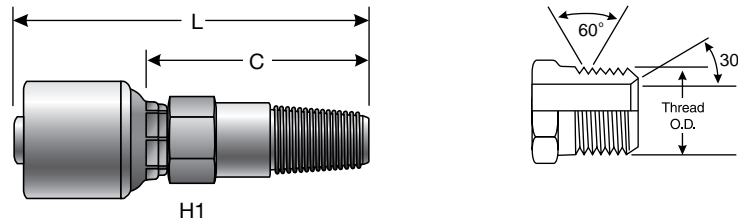
## Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⌀		Thread	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4G-2MP	7100-10025	1/4	6.4	1/8-27	1/2	—	1.96	49.8	.94	23.9	.11
4G-4MP	7100-10035	1/4	6.4	1/4-18	9/16	—	2.17	55.0	1.14	29.0	.13
4G-6MP	7100-10045	1/4	6.4	3/8-18	11/16	—	2.17	55.0	1.14	29.0	.15
4G-8MP	7100-10055	1/4	6.4	1/2-14	7/8	—	2.44	62.0	1.41	35.8	.22
5G-4MP	7100-00065	5/16	7.9	1/4-18	5/8	—	2.28	58.0	1.18	30.0	.15
5G-6MP	7100-10065	5/16	7.9	3/8-18	11/16	—	2.32	59.0	1.22	31.0	.17
6G-4MP	7100-10075	3/8	9.5	1/4-18	5/8	—	2.32	58.9	1.22	31.0	.17
6G-6MP	7100-10085	3/8	9.5	3/8-18	11/16	—	2.32	58.9	1.22	31.0	.18
6G-8MP	7100-10095	3/8	9.5	1/2-14	7/8	—	2.51	63.8	1.42	36.1	.23
8G-4MP	7100-10105	1/2	12.7	1/4-18	13/16	—	2.72	69.0	1.24	31.5	.03
8G-6MP	7100-00105	1/2	12.7	3/8-18	13/16	—	2.72	69.0	1.24	31.5	.28
8G-8MP	7100-00115	1/2	12.7	1/2-14	7/8	—	2.87	73.0	1.40	35.5	.27
8G-12MP	7100-00125	1/2	12.7	3/4-14	1 1/16	—	2.95	74.9	1.47	37.3	.36
10G-8MP	7100-00225	5/8	15.9	1/2-14	15/16	—	2.95	75.0	1.48	37.5	.35
10G-12MP	7100-00235	5/8	15.9	3/4-14	1 1/16	—	2.95	75.0	1.48	37.5	.05
12G-8MP	7100-00155	3/4	19.1	1/2-14	1 1/16	—	3.46	87.9	1.45	36.8	.55
12G-12MP	7100-00165	3/4	19.1	3/4-14	1 1/16	—	3.46	87.9	1.45	36.8	.62
12G-16MP	7100-00175	3/4	19.1	1-11 1/2	1 3/8	—	3.77	95.8	1.77	45.0	.70
16G-12MP	7100-00195	1	25.4	3/4-14	1 3/8	—	3.93	99.8	1.70	43.2	1.11
16G-16MP	7100-00205	1	25.4	1-11 1/2	1 3/8	—	4.11	104.4	1.87	47.5	1.05
20G-20MP	7100-00215	1 1/4	31.8	1 1/4-11 1/2	1 3/4	—	4.44	112.8	2.12	53.8	1.52

## Male Pipe Long Nose

For use with J2AT Jack Hose and special high-pressure applications.



Descr.	Prod. No.	⌀		Thread	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4G-4MPLN	7100-16615	1/4	6.4	1/4-18	9/16	—	2.56	65.0	1.54	39.0	.15
4G-6MPLN	7100-16625	1/4	6.4	3/8-18	11/16	—	2.56	65.0	1.54	39.0	.16

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.

gates.com/hydraulics

G1



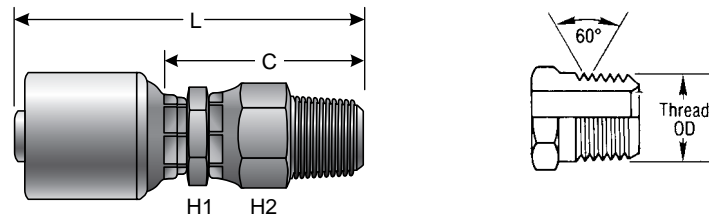
# MegaCrimp® Couplings

## Male Pipe Long Nose - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
6G-4MPLN	7100-16645	3/8	9.5	1/4-18	5/8	—	2.72	69.0	1.62	41.1	.17
6G-6MPLN	7100-16635	3/8	9.5	3/8-18	11/16	—	2.72	69.0	1.62	41.1	.20

## Male Pipe Swivel (NPTF - Without 30° Cone Seat)

NOT TO BE USED AS A LIVE SWIVEL.



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
4G-2MPX	7100-10245	1/4	6.4	1/8-27	1/2	1/2	2.39	60.7	1.37	34.8	.12
4G-4MPX	7100-10255	1/4	6.4	1/4-18	1/2	11/16	2.61	66.3	1.58	40.1	.11
4G-6MPX	7100-10265	1/4	6.4	3/8-18	5/8	7/8	2.73	69.3	1.71	43.4	.16
4G-8MPX	7100-10275	1/4	6.4	1/2-14	3/4	1	2.97	75.4	1.94	49.4	.29
6G-4MPX	7100-10285	3/8	9.5	1/4-18	5/8	7/8	2.87	72.8	1.77	44.9	.27
6G-6MPX	7100-10295	3/8	9.5	3/8-18	5/8	7/8	2.81	71.4	1.71	43.4	.27
6G-8MPX	7100-10305	3/8	9.5	1/2-14	3/4	1	3.04	77.2	1.94	49.3	.33
8G-6MPX	7100-00315	1/2	12.7	3/8-18	13/16	7/8	3.22	81.8	1.75	44.5	.27
8G-8MPX	7100-00325	1/2	12.7	1/2-14	13/16	1	3.42	86.9	1.94	49.3	.47
10G-12MPX	7100-00335	5/8	15.9	3/4-14	1 1/16	1 5/16	3.48	88.4	2.01	51.1	.67
12G-8MPX	7100-00345	3/4	19.1	1/2-14	1 1/16	1	3.97	100.8	1.96	49.8	.68
12G-12MPX	7100-00355	3/4	19.1	3/4-14	1 1/16	1 5/16	4.01	101.9	2.00	50.8	.49
16G-16MPX	7100-00365	1	25.4	1-11 1/2	1 3/8	1 5/8	4.73	120.1	2.49	63.2	1.25

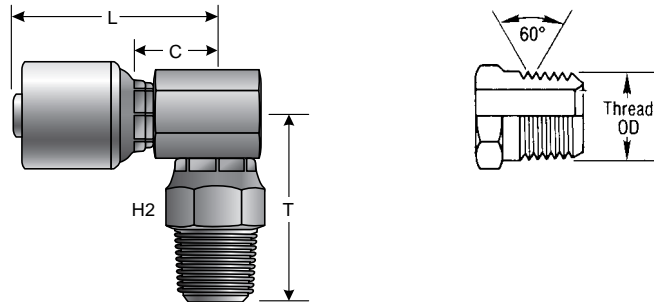
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# MegaCrimp® Couplings

## Male Pipe Swivel - 90° Block (NPTF - Without 30° Cone Seat)

NOT TO BE USED AS A LIVE SWIVEL.

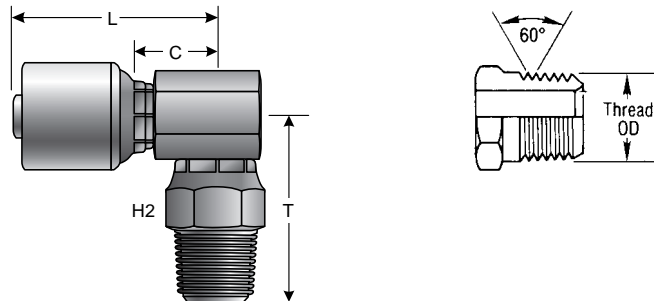


Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm				"	mm	"	mm	"	mm	
4G-2MPX90	7100-10365	1/4	6.4	1/8-27	11/16	1/2	1.20	30.5	1.75	44.4	.72	18.3	.02
4G-4MPX90	7100-10375	1/4	6.4	1/4-18	11/16	11/16	1.62	41.1	1.75	44.5	.72	18.3	.25
4G-6MPX90	7100-10385	1/4	6.4	3/8-18	11/16	7/8	1.73	43.9	1.82	46.2	.79	20.1	.33
6G-4MPX90	7100-10395	3/8	9.5	1/4-18	3/4	11/16	1.65	41.9	1.96	49.7	.85	21.6	.33
6G-6MPX90	7100-10405	3/8	9.5	3/8-18	3/4	7/8	1.76	44.7	1.96	49.7	.85	21.6	.39
6G-8MPX90	7100-10415	3/8	9.5	1/2-14	3/4	1	1.93	49.1	1.96	49.7	.85	21.6	.42
8G-6MPX90	7100-07135	1/2	12.7	3/8-18	—	7/8	1.88	47.8	2.55	64.7	1.07	27.2	.46
8G-8MPX90	7100-00425	1/2	12.7	1/2-14	—	1	2.05	52.1	2.55	64.7	1.07	27.2	.61
12G-12MPX90	7100-00435	3/4	19.1	3/4-14	—	1 5/16	2.30	58.4	3.17	80.5	1.16	29.5	1.17

## Male Pipe Swivel - 90° Long Block (NPTF - Without 30° Cone Seat)

NOT TO BE USED AS A LIVE SWIVEL.

These couplings have a longer reach (L dimension) to accommodate the OmniCrimp® 21 crimper.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm				"	mm	"	mm	"	mm	
6G-8MPX90L	7100-00445	3/8	9.5	1/2-14	3/4	1	1.93	49.0	3.40	86.4	1.94	49.3	.04
8G-8MPX90L	7100-00455	1/2	12.7	1/2-14	1	1	2.06	52.3	3.27	83.1	1.80	45.7	.82
12G-12MPX90L	7100-00475	3/4	19.1	3/4-14	1 3/8	1 5/16	2.30	58.4	3.93	99.7	1.92	48.7	1.60

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



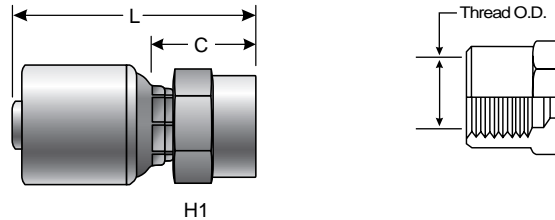
Powering Progress.

gates.com/hydraulics

G3

# MegaCrimp® Couplings

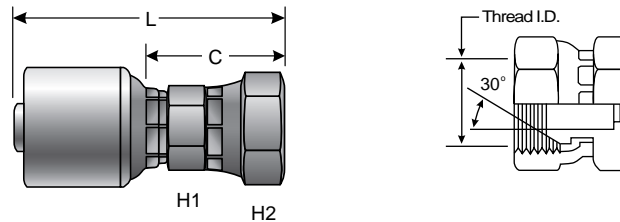
## Female Pipe (NPTF - Without 30° Cone Seat)



H1

Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
4G-2FP	7100-10485	1/4	6.4	1/8-27	9/16	—	1.74	44.2	.72	18.3	.12
4G-4FP	7100-10495	1/4	6.4	1/4-18	11/16	—	1.98	50.3	.96	24.4	.13
4G-6FP	7100-10505	1/4	6.4	3/8-18	13/16	—	1.98	50.3	.96	24.4	.14
6G-4FP	7100-10515	3/8	9.5	1/4-18	11/16	—	2.00	50.8	.90	22.9	.15
6G-6FP	7100-10525	3/8	9.5	3/8-18	13/16	—	2.06	52.3	.96	24.4	.18
6G-8FP	7100-10535	3/8	9.5	1/2-14	1	—	2.24	56.9	1.14	29.0	.21
8G-6FP	7100-00545	1/2	12.7	3/8-18	13/16	—	2.46	62.5	.98	24.9	.25
8G-8FP	7100-00555	1/2	12.7	1/2-14	1	—	2.63	66.8	1.16	29.5	.30
12G-12FP	7100-00565	3/4	19.1	3/4-14	1 1/4	—	3.22	81.8	1.22	31.0	.55

## Female Pipe Swivel (NPSM - 30° Cone Seat)



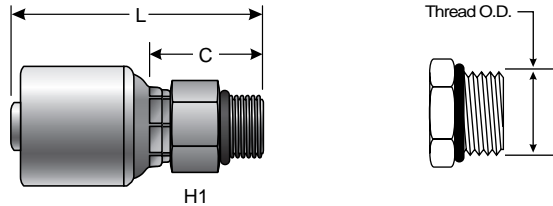
H1 H2


Descr.	Prod. No.	⊖		🌀	H1	H1	H2	H2	L		C		Weight Lbs.
		"	mm		"	mm	"	mm	"	mm	"	mm	
4G-4FPX	7100-10575	1/4	6.4	1/4-18	1/2	—	11/16	—	2.24	56.9	1.21	30.7	.16
6G-6FPX	7100-10585	3/8	9.5	3/8-18	5/8	—	7/8	—	2.48	63.0	1.38	35.1	.23
6G-8FPX	7100-10595	3/8	9.5	1/2-14	13/16	—	1	—	2.55	64.8	1.45	36.8	.29
8G-8FPX	7100-00595	1/2	12.7	1/2-14	13/16	—	1	—	2.88	73.2	1.41	35.8	.35
ADAPTERS	12G-12FPX	3/4	19.1	3/4-14	—	27.0	1 1/4	—	3.71	94.2	1.70	43.2	.65
QUICK DISCONNECT COUPLERS	16G-16FPX	1	25.4	1-11 1/2	1 3/8	—	1 1/2	—	4.10	104.1	1.87	47.5	1.10
	20G-20FPX	1 1/4	31.8	1 1/4-11 1/2	1 3/4	—	1 7/8	—	4.67	118.6	2.26	57.4	1.71

# MegaCrimp® Couplings

## Male O-Ring Boss

SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



Descr.	Prod. No.	⊖			H1	H1	H2	H2	L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	Lbs.
4G-4MB	7100-12205	1/4	6.4	7/16-20	9/16	—	—	—	1.99	50.5	.96	24.5	.13
4G-5MB	7100-12215	1/4	6.4	1/2-20	5/8	—	—	—	1.99	50.5	.96	24.5	.13
4G-6MB	7100-12225	1/4	6.4	9/16-18	11/16	—	—	—	2.05	52.0	1.02	26.0	.16
6G-5MB	7100-12285	3/8	9.5	1/2-20	5/8	—	—	—	2.05	52.0	.95	24.1	.15
6G-6MB	7100-13235	3/8	9.5	9/16-18	11/16	—	—	—	2.20	56.0	1.11	28.1	.15
6G-8MB	7100-13245	3/8	9.5	3/4-16	7/8	—	—	—	2.28	58.0	1.19	30.1	.20
6G-10MB	7100-12255	3/8	9.5	7/8-14	1	—	—	—	2.22	56.5	1.13	28.6	.26
6G-12MB	7100-12265	3/8	9.5	1 1/16-12	1 1/4	—	—	—	2.42	61.5	1.32	33.6	.26
8G-8MB	7100-13275	1/2	12.7	3/4-16	7/8	—	—	—	2.64	67.0	1.16	29.5	.30
8G-10MB	7100-13285	1/2	12.7	7/8-14	1	—	—	—	2.68	68.0	1.20	30.5	.35
8G-12MB	7100-13295	1/2	12.7	1 1/16-12	1 1/4	—	—	—	2.91	74.0	1.44	36.5	.50
10G-8MB	7100-02305	5/8	15.9	3/4-16	15/16	—	—	—	2.83	72.0	1.36	34.5	.37
10G-10MB	7100-13315	5/8	15.9	7/8-14	1	—	—	—	2.83	72.0	1.36	34.5	.40
10G-12MB	7100-13325	5/8	15.9	1 1/16-12	1 1/4	—	—	—	2.99	76.0	1.52	38.5	.55
12G-10MB	7100-02265	3/4	19.1	7/8-14	—	27.0	—	—	3.23	82.1	1.22	31.1	.55
12G-12MB	7100-02335	3/4	19.1	1 1/16-12	1 1/4	—	—	—	3.33	84.5	1.32	33.5	.60
12G-14MB	7100-02345	3/4	19.1	1 3/16-12	1 3/8	—	—	—	3.31	84.0	1.30	33.0	.68
12G-16MB	7100-02355	3/4	19.1	1 5/16-12	1 1/2	—	—	—	3.44	87.5	1.44	36.5	.68
16G-14MB	7100-02365	1	25.4	1 3/16-12	1 3/8	—	—	—	3.78	96.0	1.54	39.2	.97
16G-16MB	7100-02375	1	25.4	1 5/16-12	1 1/2	—	—	—	3.84	97.5	1.60	40.7	1.08
16G-20MB	7100-02255	1	25.4	1 5/8-12	1 7/8	—	—	—	3.74	95.0	1.50	38.2	1.35
20G-20MB	7100-02385	1 1/4	31.8	1 5/8-12	1 7/8	—	—	—	3.90	99.0	1.57	40.0	1.48

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



Powering Progress.

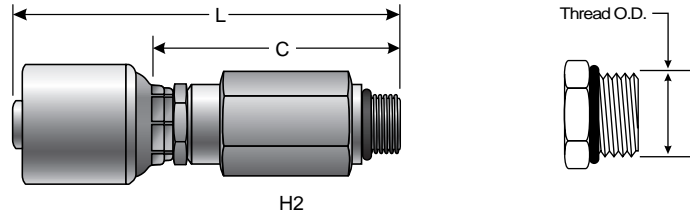
[gates.com/hydraulics](http://gates.com/hydraulics)

G5

# MegaCrimp® Couplings

## Male O-Ring Boss Swivel

NOT TO BE USED AS A LIVE SWIVEL.  
 NOTE: Internal O-Rings rated at 250°F (121°C).  
 SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.

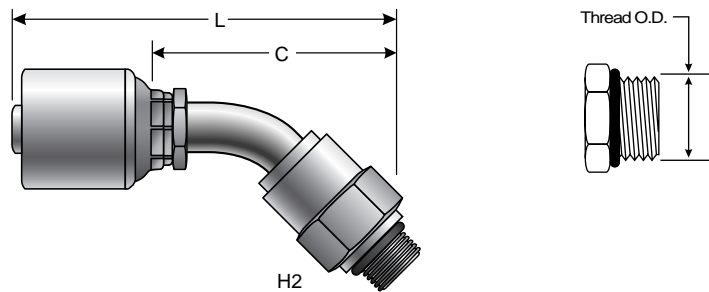


H2

Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
4G-4MBX	7209-40015	1/4	6.4	7/16-20	—	19.0	3.21	81.5	2.19	55.5	.27
4G-6MBX	7209-40025	1/4	6.4	9/16-18	—	19.0	3.21	81.5	2.19	55.5	.28
POLARSEAL COUPLINGS	6G-6MBX	3/8	9.5	9/16-18	—	22.0	3.33	84.5	2.23	56.6	.35
	6G-8MBX	3/8	9.5	3/4-16	—	23.0	3.33	84.5	2.23	56.6	.40
POLARSEAL II COUPLINGS	6G-10MBX	3/8	9.5	7/8-14	—	27.0	3.21	81.5	2.11	53.6	.44
	8G-8MBX	1/2	12.7	3/4-16	—	23.0	3.78	96.0	2.30	58.5	.50
	8G-10MBX	1/2	12.7	7/8-14	—	27.0	3.84	97.5	2.36	60.0	.49
C14 COUPLINGS	10G-10MBX	5/8	15.9	7/8-14	—	32.0	3.88	98.5	2.40	61.0	.53
	12G-12MBX	3/4	19.1	1 1/16-12	—	32.0	4.55	115.5	2.54	64.5	.92

## Male O-Ring Boss Swivel - 45° Bent Tube

NOT TO BE USED AS A LIVE SWIVEL.  
 NOTE: Internal O-Rings rated at 250°F (121°C).  
 SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



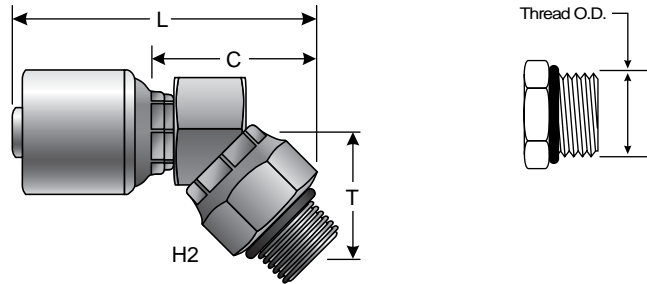
H2

Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
6G-6MBX45	7209-40225	3/8	9.5	9/16-18	—	22.0	1.52	38.7	3.65	92.6	2.54	64.6	.35
6G-8MBX45	7209-40235	3/8	9.5	3/4-16	—	24.0	1.52	38.7	3.65	92.6	2.54	64.6	.42
8G-8MBX45	7209-40255	1/2	12.7	3/4-16	—	24.0	1.64	41.7	4.24	107.7	2.77	70.3	.44
8G-10MBX45	7209-40265	1/2	12.7	7/8-14	—	27.0	1.69	42.8	4.28	108.8	2.81	71.3	.46

# MegaCrimp® Couplings

## Male O-Ring Boss Swivel - 45° Block

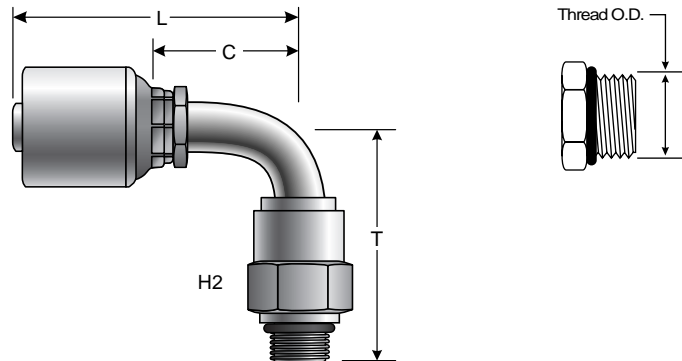
NOT TO BE USED AS A LIVE SWIVEL.  
 NOTE: Internal O-Rings rated at 250°F (121°C).  
 SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



Descr.	Prod. No.	Ø		Thread	H1	H2	T		L		C		Weight Lbs.
		"	mm				"	mm	"	mm	"	mm	
6G-6MBX45BL	7100-12475	3/8	9.5	9/16-18	—	7/8	1.09	27.8	3.11	79.0	2.01	51.0	.33
6G-8MBX45BL	7100-12485	3/8	9.5	3/4-16	—	1	1.06	26.9	3.07	78.1	1.98	50.2	.39
8G-8MBX45BL	7100-02495	1/2	12.7	3/4-16	—	1	1.12	28.4	3.04	77.2	1.56	39.7	.44
8G-10MBX45BL	7100-02505	1/2	12.7	7/8-14	—	1	1.16	29.5	3.08	78.3	1.61	40.8	.46

## Male O-Ring Boss Swivel - 90° Bent Tube

NOT TO BE USED AS A LIVE SWIVEL.  
 NOTE: Internal O-Rings rated at 250°F (121°C).  
 SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



Descr.	Prod. No.	Ø		Thread	H1	H2	T		L		C		Weight Lbs.
		"	mm				"	mm	"	mm	"	mm	
4G-6MBX90	7209-40425	1/4	6.4	9/16-18	—	7/8	2.36	60.0	2.19	55.6	1.17	29.6	.29
6G-6MBX90	7209-40455	3/8	9.5	9/16-18	—	7/8	2.48	63.1	2.47	62.8	1.37	34.8	.40
6G-8MBX90	7209-40475	3/8	9.5	3/4-16	—	1	2.48	63.1	2.47	62.8	1.37	34.8	.45
6G-10MBX90	7209-40485	3/8	9.5	7/8-14	—	1	2.37	60.1	2.47	62.8	1.37	34.8	.47
8G-8MBX90	7209-40505	1/2	12.7	3/4-16	—	1	2.76	70.1	3.16	80.3	1.69	42.9	.56
8G-10MBX90	7209-40525	1/2	12.7	7/8-14	—	1	2.82	71.6	3.16	80.3	1.69	42.9	.59
8G-12MBX90	7209-40545	1/2	12.7	1 1/16-12	—	1.26	2.90	73.6	3.16	80.3	1.69	42.9	.80

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS








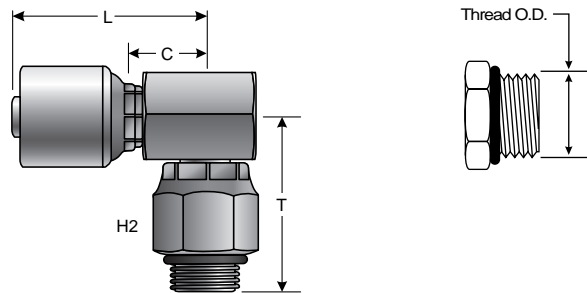
# MegaCrimp® Couplings


## Male O-Ring Boss Swivel - 90° Bent Tube - Cont'd

Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight
		"	mm				"	mm	"	mm	"	mm	
10G-10MBX90	7209-40585	5/8	15.9	7/8-14	—	1 5/16	3.14	79.8	3.55	90.1	2.07	52.6	.68
10G-12MBK90	7209-40605	5/8	15.9	1 1/16-12	—	1	3.18	80.8	3.55	90.1	2.07	52.6	.49
12G-12MBX90	7209-40645	3/4	19.1	1 1/16-12	—	1 5/16	3.42	86.8	4.33	110.1	2.33	59.1	1.05

## Male O-Ring Boss Swivel - 90° Block

NOT TO BE USED AS A LIVE SWIVEL.  
 NOTE: Internal O-Rings rated at 250°F (121°C).  
 SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



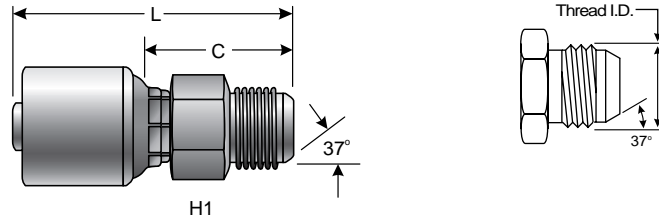
Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight
		"	mm				"	mm	"	mm	"	mm	
4G-5MBX90BL	7100-12555	1/4	6.4	1/2-20	—	11/16	1.57	40.0	1.75	44.4	.80	20.2	.02
4G-6MBX90BL	7100-12515	1/4	6.4	9/16-18	—	7/8	1.65	41.8	1.82	46.3	.80	20.2	.33
6G-10MBX90BL	7100-12545	3/8	9.5	7/8-14	—	1	1.69	42.8	1.95	49.6	.85	21.7	.40
8G-8MBX90BLL	7100-02705	1/2	12.7	3/4-16	—	1	1.75	44.4	3.27	83.1	1.80	45.6	.78
8G-10MBX90BL	7100-02565	1/2	12.7	7/8-14	—	1	1.81	46.0	2.55	64.7	1.07	27.2	.59
8G-10MBX90BLL	7100-02715	1/2	12.7	7/8-14	—	1	1.81	46.0	3.27	83.1	1.80	45.6	.80
8G-12MBX90BL	7100-02575	1/2	12.7	1 1/16-12	—	1 5/16	2.09	53.1	2.52	64.1	1.07	27.2	.82
8G-12MBX90BLL	7100-02725	1/2	12.7	1 1/16-12	—	1 5/16	2.09	53.1	3.76	95.5	2.28	58.0	1.10
10G-10MBX90LL	7100-02735	5/8	15.9	7/8-14	—	1	1.81	46.0	3.15	79.9	1.67	42.4	.79
12G-12MBX90BLL	7100-02755	3/4	19.1	1 1/16-12	—	1 5/16	2.28	57.9	3.94	100.0	1.93	49.0	1.54


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# MegaCrimp® Couplings

## Male JIC 37° Flare



Descr.	Prod. No.	⊖			H1	H1	H2	H2	L		C		Weight
		"	mm						"	mm	"	mm	
4G-4MJ	7103-36045	1/4	6.4	7/16-20	—	14.0	—	—	2.19	55.5	1.16	29.5	.12
4G-5MJ	7103-36055	1/4	6.4	1/2-20	—	14.0	—	—	2.19	55.5	1.16	29.5	.16
4G-6MJ	7103-36065	1/4	6.4	9/16-18	—	17.0	—	—	2.22	56.5	1.20	30.5	.15
5G-5MJ	7103-36105	5/16	7.9	1/2-20	—	17.0	—	—	2.26	57.5	1.16	29.5	.15
5G-6MJ	7103-36115	5/16	7.9	9/16-18	—	17.0	—	—	2.26	57.5	1.16	29.5	.16
6G-6MJ	7103-36155	3/8	9.5	9/16-18	—	17.0	—	—	2.30	58.5	1.20	30.6	.15
6G-8MJ	7103-36165	3/8	9.5	3/4-16	—	19.0	—	—	2.48	63.0	1.38	35.1	.20
6G-10MJ	7103-36175	3/8	9.5	7/8-14	—	24.0	—	—	2.64	67.0	1.54	39.1	.30
8G-8MJ	7103-36215	1/2	12.7	3/4-16	—	22.0	—	—	2.81	71.5	1.34	34.0	.30
8G-10MJ	7103-36225	1/2	12.7	7/8-14	—	24.0	—	—	2.91	74.0	1.44	36.5	.32
8G-12MJ	7103-36235	1/2	12.7	1 1/16-12	—	27.0	—	—	3.19	81.0	1.71	43.5	.43
10G-8MJ	7103-36265	5/8	15.9	3/4-16	—	27.0	—	—	2.93	74.5	1.46	37.0	.39
10G-10MJ	7103-36275	5/8	15.9	7/8-14	—	27.0	—	—	3.03	77.0	1.56	39.5	.42
10G-12MJ	7103-36285	5/8	15.9	1 1/16-12	—	27.0	—	—	3.19	81.0	1.71	43.5	.49
10GE-8MJ	7100-00735	5/8	15.9	3/4-16	15/16	—	—	—	2.83	72.0	1.36	34.5	.39
10GE-12MJ	7100-00755	5/8	15.9	1 1/16-12	1 1/16	—	—	—	2.97	75.5	1.50	38.0	.49
12G-10MJ	7103-36315	3/4	19.1	7/8-14	—	27.0	—	—	3.68	93.5	1.67	42.5	.55
12G-12MJ	7103-36325	3/4	19.1	1 1/16-12	—	27.0	—	—	3.72	94.5	1.71	43.5	.63
12G-14MJ	7103-36335	3/4	19.1	1 3/16-12	—	32.0	—	—	3.76	95.5	1.75	44.5	.64
12G-16MJ	7103-36345	3/4	19.1	1 5/16-12	—	36.0	—	—	3.78	96.0	1.77	45.0	.85
16G-14MJ	7103-36375	1	25.4	1 3/16-12	—	36.0	—	—	4.09	104.0	1.86	47.2	1.10
16G-16MJ	7103-36385	1	25.4	1 5/16-12	—	36.0	—	—	4.11	104.5	1.88	47.7	1.06
16G-20MJ	7103-36395	1	25.4	1 5/8-12	—	46.0	—	—	4.29	109.0	2.06	52.2	1.52
16GE-16MJ	7100-00795	1	25.4	1 5/16-12	1 3/8	—	—	—	4.11	104.5	1.88	47.7	1.08
20G-20MJ	7103-36435	1 1/4	31.8	1 5/8-12	—	46.0	—	—	4.43	112.5	2.11	53.5	1.61
20G-24MJ	7103-36445	1 1/4	31.8	1 7/8-12	—	50.0	—	—	4.43	112.5	2.11	53.5	1.87
20GE-20MJ	7100-00815	1 1/4	31.8	1 5/8-12	1 3/4	—	—	—	4.43	112.5	2.11	53.5	1.61

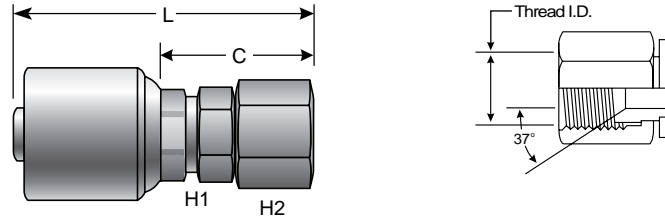
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





# MegaCrimp® Couplings

## Female JIC 37° Flare Swivel

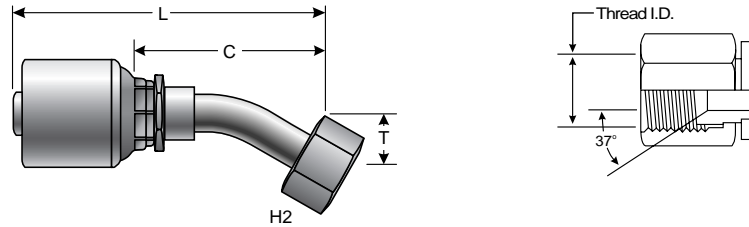


Descr.	Prod. No.	⊖		🌀	H1	H1	H2	H2	L		C		Weight Lbs.
		"	mm		"	mm	"	mm	"	mm	"	mm	
4G-4FJX	7103-08045	1/4	6.4	7/16-20	—	15.0	—	14.0	2.20	55.9	1.18	29.9	.14
4G-5FJX	7103-08055	1/4	6.4	1/2-20	—	15.0	—	17.0	2.30	58.3	1.27	32.3	.17
4G-6FJX	7103-08065	1/4	6.4	9/16-18	—	15.0	—	19.0	2.35	59.6	1.32	33.6	.17
5G-6FJX	7103-09105	5/16	7.9	9/16-18	—	17.0	—	19.0	2.50	63.6	1.40	35.6	.21
5GE-5FJX	7100-00935	5/16	7.9	1/2-20	5/8	—	11/16	—	2.35	59.7	1.25	31.7	.02
6G-4FJX	7103-09135	3/8	9.5	7/16-20	5/8	—	—	14.0	2.94	74.7	1.84	46.8	.21
6G-4FJXSP	7103-10125	3/8	9.5	7/16-20	—	17.0	—	14.0	2.30	58.4	1.20	30.5	.16
6G-5FJX	7103-09125	3/8	9.5	1/2-20	—	17.0	—	17.0	2.96	75.2	1.86	47.3	.20
6G-6FJX	7103-08145	3/8	9.5	9/16-18	—	18.0	—	19.0	2.42	61.5	1.29	32.7	.19
6G-8FJX	7103-08155	3/8	9.5	3/4-16	—	18.0	—	24.0	2.63	66.7	1.49	37.9	.27
6G-10FJX	7103-08165	3/8	9.5	7/8-14	—	18.0	—	27.0	2.76	70.0	1.62	41.2	.31
6GE-12FJX	7100-10975	3/8	9.5	1 1/16-12	1 1/16	—	1 1/4	—	2.81	71.5	1.71	43.5	.39
8G-6FJX	7103-09195	1/2	12.7	9/16-18	—	22.0	—	19.0	3.81	96.7	2.33	59.2	.36
8G-6FJXSP	7103-10195	1/2	12.7	9/16-18	—	22.0	—	19.0	2.67	67.8	1.19	30.3	.28
8G-8FJX	7103-08205	1/2	12.7	3/4-16	—	22.0	—	24.0	2.88	73.2	1.50	38.0	.37
8G-10FJX	7103-08215	1/2	12.7	7/8-14	—	22.0	—	27.0	3.01	76.5	1.63	41.3	.28
8G-12FJX	7103-08225	1/2	12.7	1 1/16-12	—	22.0	—	32.0	3.06	77.7	1.67	42.5	.45
8G-16FJX	7103-09235	1/2	12.7	1 5/16-12	—	22.0	—	41.0	3.52	89.3	2.04	51.8	.69
10G-8FJX	7103-09255	5/8	15.9	3/4-16	—	24.0	—	24.0	4.06	103.0	2.58	65.5	1.05
10G-8FJXSP	7103-10255	5/8	15.9	3/4-16	—	24.0	—	24.0	2.90	73.6	1.42	36.1	.36
10G-10FJX	7103-08265	5/8	15.9	7/8-14	—	24.0	—	27.0	3.14	79.7	1.66	42.2	.37
10G-12FJX	7103-08275	5/8	15.9	1 1/16-12	—	24.0	—	32.0	3.20	81.4	1.73	43.9	.47
10G-14FJX	7103-08285	5/8	15.9	1 3/16-12	—	24.0	—	36.0	3.39	86.1	1.91	48.6	—
12G-8FJX	7103-10305	3/4	19.1	3/4-16	—	27.0	—	24.0	3.51	89.1	1.50	38.1	.57
12G-10FJX	7103-09315	3/4	19.1	7/8-14	—	27.0	—	27.0	4.80	122.0	2.80	71.0	.70
12G-10FJXSP	7103-10315	3/4	19.1	7/8-14	—	27.0	—	27.0	3.51	89.2	1.50	38.2	.53
12G-12FJX	7103-08325	3/4	19.1	1 1/16-12	—	30.0	—	32.0	3.74	95.0	1.73	44.0	.67
12G-14FJX	7103-08335	3/4	19.1	1 3/16-12	—	30.0	—	36.0	3.81	96.9	1.81	45.9	.82
12G-16FJX	7103-08345	3/4	19.1	1 5/16-12	—	30.0	—	41.0	3.85	97.9	1.85	46.9	.85
16G-16FJX	7103-08395	1	25.4	1 5/16-12	—	36.0	—	41.0	4.24	107.8	2.01	51.0	1.20
16G-20FJX	7103-08405	1	25.4	1 5/8-12	—	36.0	—	50.0	4.54	115.3	2.30	58.5	1.35
16GE-12FJX	7100-01105	1	25.4	1 1/16-12	1 3/8	—	1 1/4	—	3.98	101.0	1.74	44.2	.96
16GE-14FJX	7100-01115	1	25.4	1 3/16-12	1 3/8	—	1 3/8	—	4.00	101.6	1.77	44.9	1.45
20GE-20FJX	7100-01145	1 1/4	31.8	1 5/8-12	1 3/4	—	2	—	4.60	116.9	2.28	57.9	1.80
20GE-24FJX	7100-01155	1 1/4	31.8	1 7/8-12	1 7/8	—	2 1/4	—	4.85	123.2	2.53	64.2	1.96



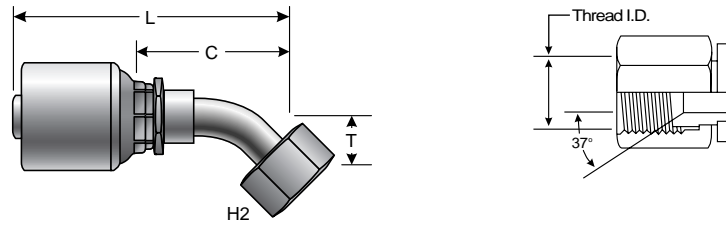
# MegaCrimp® Couplings

## Female JIC 37° Flare Swivel - 30° Bent Tube



Descr.	Prod. No.	⌀		🌀	H1	H1	H2	H2	T		L		C		Weight Lbs.
		"	mm		"	mm	"	mm	"	mm	"	mm	"	mm	
10GE-12FJX30-018	7100-01185	5/8	15.9	1 1/16-12	—	—	1 1/4	—	.70	17.8	4.43	112.4	2.95	74.9	.53
12G-10FJX30-018	7103-59005	3/4	19.1	7/8-14	—	—	—	27.0	.71	18.0	4.45	113.0	2.44	62.0	.68

## Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⌀		🌀	H1	H1	H2	H2	T		L		C		Weight Lbs.
		"	mm		"	mm	"	mm	"	mm	"	mm	"	mm	
4G-4FJX45S	7103-46055	1/4	6.4	7/16-20	—	—	—	14.0	.39	10.0	2.74	69.7	1.72	43.7	.15
4G-5FJX45-011	7103-46075	1/4	6.4	1/2-20	—	—	—	17.0	.43	11.0	2.59	65.8	1.56	39.7	.15
4G-6FJX45S	7103-46135	1/4	6.4	9/16-18	—	—	—	19.0	.43	11.0	2.69	68.3	1.67	42.3	.19
5G-6FJX45S	7103-46195	5/16	7.9	9/16-18	—	—	—	19.0	.43	11.0	2.85	72.4	1.75	44.4	.21
5GE-5FJX45	7100-01265	5/16	7.9	1/2-20	—	—	5/8	—	.56	14.2	2.60	66.0	1.50	38.0	.17
6G-4FJX45S	7103-46215	3/8	9.5	7/16-20	—	—	—	14.0	.39	10.0	2.86	72.7	1.76	44.8	.17
6G-6FJX45S	7103-46235	3/8	9.5	9/16-18	—	—	—	19.0	.43	11.0	3.05	77.5	1.95	49.6	.23
6G-8FJX45S	7103-46255	3/8	9.5	3/4-16	—	—	—	24.0	.59	15.0	3.51	89.1	2.41	61.2	.25
8G-8FJX45S	7103-46295	1/2	12.7	3/4-16	—	—	—	24.0	.59	15.0	3.42	86.9	1.95	49.5	.38
8G-10FJX45S	7103-46315	1/2	12.7	7/8-14	—	—	—	27.0	.63	16.0	3.81	96.8	2.34	59.4	.41
10G-10FJX45S	7103-46355	5/8	15.9	7/8-14	—	—	—	27.0	.63	16.0	3.80	96.4	2.32	59.0	.50
10G-12FJX45S	7103-46375	5/8	15.9	1 1/16-12	—	—	—	32.0	.83	21.0	4.57	116.0	3.09	78.5	.62
12G-10FJX45S	7103-46415	3/4	19.1	7/8-14	—	—	—	27.0	.75	19.0	4.58	116.3	2.57	65.3	.68
12G-12FJX45S	7103-46425	3/4	19.1	1 1/16-12	—	—	—	32.0	.83	21.0	5.09	129.2	3.08	78.2	.80
12G-16FJX45S	7103-46455	3/4	19.1	1 5/16-12	—	—	—	41.0	.94	24.0	5.24	133.1	3.23	82.1	1.06
16G-16FJX45S	7103-46505	1	25.4	1 5/16-12	—	—	—	41.0	.94	24.0	5.68	144.3	3.44	87.5	1.46
16GE-12FJX45S	7100-01435	1	25.4	1 1/16-12	—	—	1 1/4	—	.83	21.0	5.16	131.0	2.92	74.2	1.05
20GE-20FJX45	7100-01465	1 1/4	31.8	1 5/8-12	—	—	2	—	1.38	35.0	6.65	169.0	4.33	110.0	2.15


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



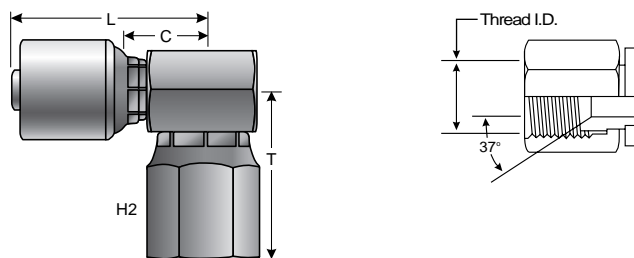



# MegaCrimp® Couplings

## Female JIC 37° Flare Swivel - 90° Bent Tube - Cont'd

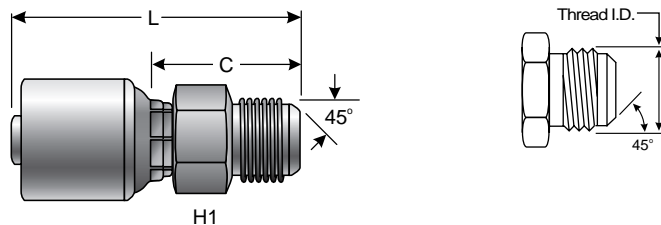
Descr.	Prod. No.	⊖			H1	H1	H2	H2	T		L		C		Weight Lbs.
		"	mm		"	mm	"	mm	"	mm	"	mm	"	mm	
12G-16FJX90S	7103-47475	3/4	19.1	1 5/16-12	—	—	—	41.0	2.20	56.0	5.22	132.7	3.22	81.7	1.20
12GE-14FJX90S	7100-01745	3/4	19.1	1 3/16-12	—	—	1 3/8	—	2.00	50.8	4.88	124.0	2.87	73.0	.90
16G-16FJX90L	7103-47505	1	25.4	1 5/16-12	—	—	—	41.0	4.49	114.0	4.74	120.3	2.50	63.5	1.67
16G-16FJX90M	7103-47495	1	25.4	1 5/16-12	—	—	—	41.0	2.80	71.0	4.73	120.2	2.50	63.4	1.50
16G-16FJX90S	7103-47485	1	25.4	1 5/16-12	—	—	—	41.0	2.20	56.0	5.73	145.6	3.50	88.8	1.43
16G-20FJX90S	7103-47535	1	25.4	1 5/8-12	—	—	—	50.0	2.52	64.0	6.18	157.0	3.94	100.2	1.95
20G-20FJX90L	7103-41585	1 1/4	31.8	1 5/8-12	—	—	2	—	5.08	129.0	6.22	158.0	3.90	99.0	2.42
20GE-20FJX90-070	7100-07255	1 1/4	31.8	1 5/8-12	—	—	2	—	2.76	70.0	6.22	158.0	3.90	99.0	2.30
20GE-20FJX90M	7100-01795	1 1/4	31.8	1 5/8-12	—	—	2	—	3.50	88.9	5.43	138.0	3.11	79.0	2.26


## Female JIC 37° Flare Swivel - 90° Block



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	"	mm	
12GE-16FJX90BL	7101-50545	3/4	19.1	1 5/16-12	—	1 1/2	2.09	53.2	3.74	95.0	1.73	44.0	.15

## Male SAE 45° Flare



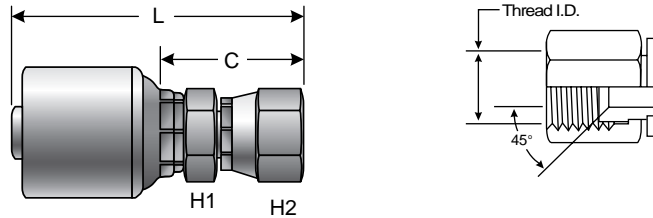
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
4G-4MS	7100-11815	1/4	6.4	7/16-20	1/2	—	2.50	63.5	1.08	27.5	.12
4G-5MS	7100-11825	1/4	6.4	1/2-20	1/2	—	2.16	54.8	1.13	28.8	.10
6G-6MS	7100-11835	3/8	9.5	5/8-18	5/8	—	2.38	60.5	1.28	32.6	.17
6G-8MS	7100-11845	3/8	9.5	3/4-16	13/16	—	2.42	61.4	1.31	33.4	.02
8G-8MS	7100-01855	1/2	12.7	3/4-16	13/16	—	2.89	73.5	1.42	36.0	.28
8G-10MS	7100-01865	1/2	12.7	7/8-14	7/8	—	3.03	77.0	1.56	39.5	.32
12G-12MS	7100-01875	3/4	19.1	1 1/16-14	1 1/16	—	3.78	96.0	1.77	45.0	.73



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

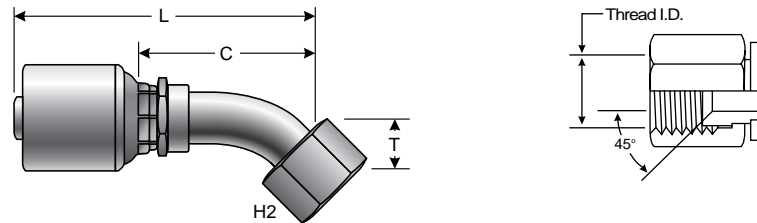
# MegaCrimp® Couplings

## Female SAE 45° Flare Swivel



Descr.	Prod. No.	⌀		Spring	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4G-4FSX	7100-11885	1/4	6.4	7/16-20	1/2	9/16	2.24	57.0	1.22	31.0	.19
4G-5FSX	7100-11895	1/4	6.4	1/2-20	1/2	11/16	2.21	56.2	1.19	30.2	.14
4G-6FSX	7100-11905	1/4	6.4	5/8-18	5/8	3/4	2.31	58.7	1.28	32.6	.16
5G-6FSX	7100-11935	5/16	7.9	5/8-18	5/8	3/4	2.44	62.1	1.34	34.1	.19
6G-6FSX	7100-11915	3/8	9.5	5/8-18	5/8	3/4	2.44	62.1	1.35	34.2	.17
6G-8FSX	7100-11925	3/8	9.5	3/4-16	11/16	7/8	2.48	63.1	1.38	35.1	.20
8G-8FSX	7100-01935	1/2	12.7	3/4-16	13/16	7/8	2.82	71.6	1.34	34.1	.30
8G-10FSX	7100-01945	1/2	12.7	7/8-14	13/16	1 1/16	2.99	75.9	1.51	38.4	.30
12G-12FSX	7100-01955	3/4	19.1	1 1/16-14	1 1/16	1 1/4	3.68	93.5	1.67	42.5	.53

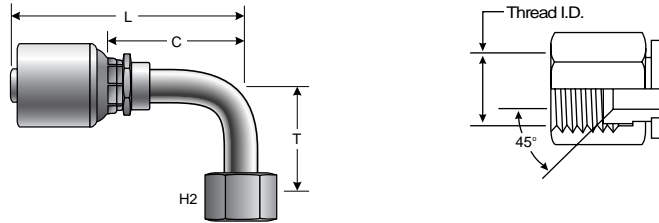
## Female SAE 45° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⌀		Spring	H1	H2	T	L		C		Weight	
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
4G-4FSX45	7100-11965	1/4	6.4	7/16-20	—	1 9/16	.33	8.4	2.34	59.5	1.32	33.5	.14
4G-5FSX45-009	7100-01965	1/4	6.4	1/2-20	—	5/8	.36	9.1	2.63	66.9	1.61	40.9	.15
6G-6FSX45	7100-11995	3/8	9.5	5/8-18	—	3/4	.39	9.9	2.74	69.5	1.64	41.6	.21
6G-8FSX45-014	7100-02035	3/8	9.5	3/4-16	—	7/8	.55	14.0	3.46	87.8	2.36	59.9	.02
8G-8FSX45	7100-02015	1/2	12.7	3/4-16	—	7/8	.55	14.0	3.31	84.0	1.83	46.5	.34
8G-10FSX45-016	7100-02055	1/2	12.7	7/8-14	—	1	.63	16.0	3.67	93.1	2.19	55.6	.04
12G-12FSX45	7100-02045	3/4	19.1	1 1/16-14	—	1 1/4	.78	19.8	4.37	111.0	2.36	60.0	.75

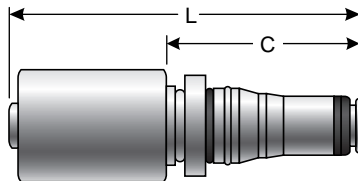
# MegaCrimp® Couplings

## Female SAE 45° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm				"	mm	"	mm	"	mm	
4G-4FSX90	7100-12055	1/4	6.4	7/16-20	—	9/16	1.24	31.5	2.05	52.0	1.02	26.0	.15
4G-5FSX90-046	7100-01985	1/4	6.4	1/2-20	—	5/8	1.80	45.7	2.47	62.8	1.45	36.8	.02
5G-6FSX90-022	7100-02005	5/16	7.9	5/8-18	—	3/4	.85	21.6	2.77	70.4	1.67	42.4	.19
6G-6FSX90	7100-12105	3/8	9.5	5/8-18	—	3/4	1.52	38.5	2.36	60.0	1.26	32.1	.25
6G-6FSX90-055	7100-01995	3/8	9.5	5/8-18	—	3/4	2.18	55.4	2.83	71.8	1.73	43.9	.02
6G-8FSX90	7100-02125	3/8	9.5	3/4-16	—	7/8	1.75	44.5	2.50	63.5	1.40	35.6	.28
8G-8FSX90	7100-02135	1/2	12.7	3/4-16	—	7/8	1.75	44.5	2.93	74.5	1.46	37.0	.38
8G-10FSX90-031	7100-02065	1/2	12.7	7/8-14	—	1	1.23	31.2	3.29	83.5	1.81	46.0	.04
12G-12FSX90	7100-02185	3/4	19.1	1 1/16-14	—	1 1/4	2.78	70.6	3.94	100.0	1.93	49.0	.83

## Male Quick-Lok® High



Descr.	Prod. No.	⊖		L		C		Weight Lbs.
		"	mm	"	mm	"	mm	
4G-4MQLH	7209-32005	1/4	6.4	2.64	67.0	1.61	41.0	.15
6G-6MQLH	7209-32025	3/8	9.5	2.72	69.0	1.62	41.1	.19
8G-8MQLH	7209-32055	1/2	12.7	3.11	79.0	1.63	41.5	.30
10G-10MQLH	7209-32085	5/8	15.9	3.11	79.0	1.63	41.5	.37
12G-12MQLH	7209-32105	3/4	19.1	3.66	93.0	1.65	42.0	.56
16G-16MQLH	7209-32125	1	25.4	3.98	101.0	1.74	44.2	.96

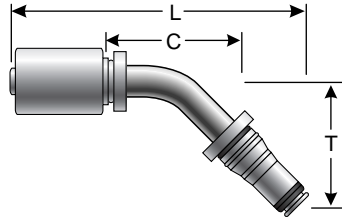
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





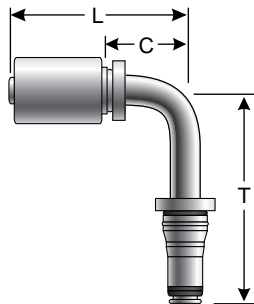
# MegaCrimp® Couplings

## Male Quick-Lok® High - 45° Bent Tube



Descr.	Prod. No.	⊖		T		L		C		Weight
		"	mm	"	mm	"	mm	"	mm	Lbs.
4G-4MQLH45S-008	7209-33005	1/4	6.4	.30	7.5	2.96	75.1	1.93	49.1	.15
6G-6MQLH45S-008	7209-33015	3/8	9.5	.33	8.3	3.21	81.6	2.11	53.7	.20
8G-8MQLH45S-010	7209-33025	1/2	12.7	.41	10.3	3.77	95.7	2.29	58.2	.36
10G-10MQLH45S-013	7209-33045	5/8	15.9	.50	12.7	4.12	104.6	2.64	67.1	.45
12G-12MQLH45S-014	7209-33055	3/4	19.1	.56	14.2	4.88	124.0	2.87	73.0	.66
16G-16MQLH45S-017	7209-33065	1	25.4	.66	16.7	5.49	139.5	3.26	82.7	1.15

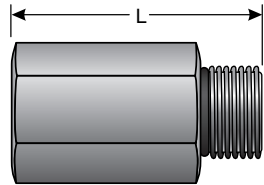
## Male Quick-Lok® High - 90° Bent Tube



Descr.	Prod. No.	⊖		T		L		C		Weight
		"	mm	"	mm	"	mm	"	mm	Lbs.
4G-4MQLH90L-039	7209-34015	1/4	6.4	1.54	39.0	2.19	55.6	1.17	29.6	.18
4G-4MQLH90S-018	7209-34005	1/4	6.4	.71	18.0	2.19	55.6	1.17	29.6	.17
6G-6MQLH90L-046	7209-34055	3/8	9.5	1.79	45.5	2.40	60.9	1.30	32.9	.23
6G-6MQLH90S-020	7209-34045	3/8	9.5	.79	20.1	2.47	62.8	1.37	34.8	.24
8G-8MQLH90L-057	7209-34095	1/2	12.7	2.22	56.5	3.04	77.1	1.56	39.7	.40
8G-8MQLH90S-026	7209-34085	1/2	12.7	1.01	25.6	3.16	80.3	1.69	42.9	.38
10G-10MQLH90L-065	7209-34125	5/8	15.9	2.56	65.0	3.72	94.4	2.24	57.0	.53
10G-10MQLH90S-033	7209-34115	5/8	15.9	1.29	32.8	3.55	90.1	2.07	52.6	.49
12G-12MQLH90L-075	7209-34165	3/4	19.1	2.93	74.5	4.20	106.7	2.19	55.7	.89
12G-12MQLH90S-037	7209-34155	3/4	19.1	1.45	36.8	4.33	110.1	2.33	59.1	.72
16G-16MQLH90L-103	7209-34215	1	25.4	4.06	103.0	4.87	123.7	2.63	66.9	1.55
16G-16MQLH90S-044	7209-34195	1	25.4	1.72	43.8	5.48	139.1	3.24	82.3	1.27

# MegaCrimp® Couplings

## Female Quick-Lok® High to Male O-Ring Boss Adapter

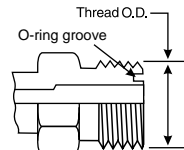
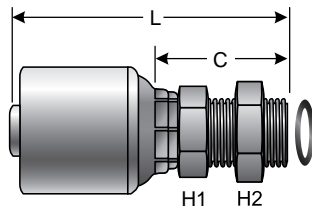


H1



Descr.	Prod. No.	⊖		🌀	H1	H2	L		Weight
		"	mm		mm	mm	"	mm	Lbs.
4FQLH-4MB	7209-05025	1/4	6.4	7/16-20	19.0	—	1.65	42.0	.14
4FQLH-6MB	7209-05035	1/4	6.4	9/16-18	19.0	—	1.65	42.0	.15
6FQLH-4MB	7209-05075	3/8	9.5	7/16-20	22.0	—	1.65	42.0	.15
6FQLH-6MB	7209-05085	3/8	9.5	9/16-18	22.0	—	1.69	43.0	.15
6FQLH-8MB	7209-05095	3/8	9.5	3/4-16	24.0	—	1.69	43.0	.31
8FQLH-6MB	7209-05135	1/2	12.7	9/16-18	24.0	—	1.71	43.5	.19
8FQLH-8MB	7209-05145	1/2	12.7	3/4-16	24.0	—	1.75	44.5	.20
8FQLH-10MB	7209-05155	1/2	12.7	7/8-14	27.0	—	1.81	46.0	.29
10FQLH-8MB	7209-05195	5/8	15.9	3/4-16	27.0	—	1.85	47.0	.24
10FQLH-10MB	7209-05205	5/8	15.9	7/8-14	27.0	—	1.85	47.0	.24
10FQLH-12MB	7209-05215	5/8	15.9	1 1/16-12	32.0	—	1.89	48.0	.42
12FQLH-10MB	7209-05255	3/4	19.1	7/8-14	32.0	—	1.89	48.0	.38
12FQLH-12MB	7209-05265	3/4	19.1	1 1/16-12	32.0	—	1.97	50.0	.70
12FQLH-16MB	7209-05275	3/4	19.1	1 5/16-12	41.0	—	1.97	50.0	.79
16FQLH-12MB	7209-05315	1	25.4	1 1/16-12	41.0	—	2.09	53.0	.57
16FQLH-16MB	7209-05325	1	25.4	1 5/16-12	41.0	—	1.97	50.0	.66

## Male Flat-Face O-Ring Bulk Head Long Nose



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
6G-6MFFORBKHDLN	7104-17075	3/8	9.5	11/16-16	27.0	27.0	3.07	78.1	1.98	50.2	.38
8G-8MFFORBKHDLN	7104-17115	1/2	12.7	13/16-16	30.0	30.0	3.55	90.2	2.07	52.7	.50

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

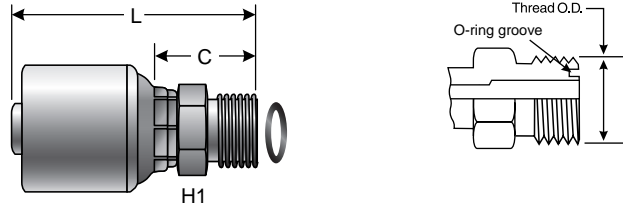
gates.com/hydraulics

G17

# MegaCrimp® Couplings

## Male Flat-Face O-Ring

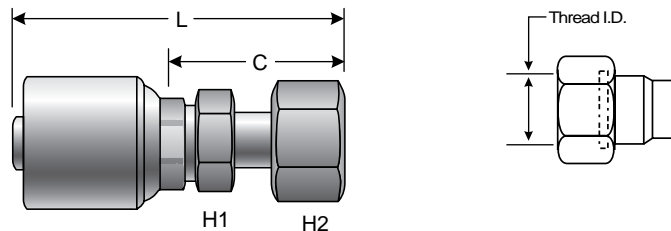
SAE J1453 Captive O-Ring Groove for Improved O-Ring Retention.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
4G-4MFFOR	7104-16045	1/4	6.4	9/16-18	17.0	17.0	2.07	52.5	1.04	26.5	.15
4G-6MFFOR	7104-16055	1/4	6.4	11/16-16	19.0	19.0	2.13	54.0	1.10	28.0	.15
5G-6MFFOR	7104-16065	5/16	7.9	11/16-16	19.0	19.0	2.20	56.0	1.10	28.0	.21
6G-6MFFOR	7104-16075	3/8	9.5	11/16-16	19.0	19.0	2.20	56.0	1.11	28.1	.02
6G-8MFFOR	7104-16085	3/8	9.5	13/16-16	22.0	22.0	2.32	59.0	1.22	31.1	.25
6G-10MFFOR	7104-16095	3/8	9.5	1-14	27.0	27.0	2.52	64.0	1.42	36.1	.35
8G-8MFFOR	7104-16115	1/2	12.7	13/16-16	22.0	22.0	2.69	68.2	1.21	30.7	.30
8G-10MFFOR	7104-16125	1/2	12.7	1-14	27.0	27.0	2.87	73.0	1.40	35.5	.04
8G-12MFFOR	7104-16135	1/2	12.7	1 3/16-12	32.0	32.0	3.01	76.5	1.54	39.0	.57
10G-10MFFOR	7104-16155	5/8	15.9	1-14	27.0	27.0	2.87	73.0	1.40	35.5	.05
10G-12MFFOR	7104-16165	5/8	15.9	1 3/16-12	32.0	32.0	3.03	77.0	1.56	39.5	.55
12G-12MFFOR	7104-16185	3/4	19.1	1 3/16-12	32.0	32.0	3.54	90.0	1.54	39.0	.70
12G-16MFFOR	7104-16195	3/4	19.1	1 7/16-12	41.0	41.0	3.74	95.0	1.73	44.0	1.20
16G-16MFFOR	7104-16215	1	25.4	1 7/16-12	41.0	41.0	4.02	102.0	1.78	45.2	1.27
16G-20MFFOR	7104-16225	1	25.4	1 11/16-12	46.0	46.0	4.13	105.0	1.90	48.2	1.55
20G-20MFFOR	7104-16245	1 1/4	31.8	1 11/16-12	46.0	46.0	4.29	109.0	1.97	50.0	.16

## Female Flat-Face O-Ring Swivel


SAE J1453 O-Ring Face Seal.



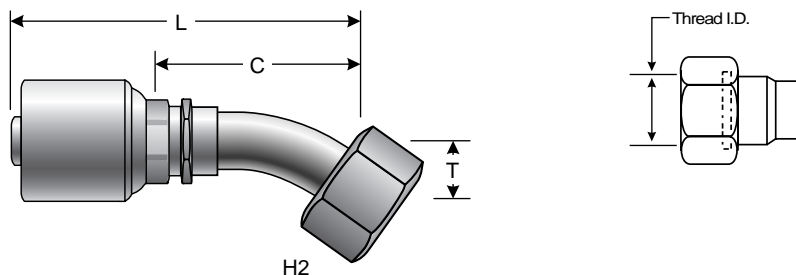
Descr.	Prod. No.	⊖		🌀	H1	H1	H2	H2	L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	Lbs.
4G-4FFORX	7104-18045	1/4	6.4	9/16-18	—	15.0	—	17.0	2.07	52.7	1.05	26.7	.14
4G-6FFORX	7104-18055	1/4	6.4	11/16-16	—	15.0	—	22.0	2.01	51.1	.99	25.1	.20
4G-8FFORX	7104-18075	1/4	6.4	13/16-16	—	15.0	—	24.0	1.99	50.5	.96	24.5	.22
5G-6FFORX	7104-19505	5/16	7.9	11/16-16	—	17.0	—	22.0	2.42	61.5	1.32	33.5	.02
6G-4FFORX	7104-19085	3/8	9.5	9/16-18	—	17.0	—	17.0	3.08	78.3	1.98	50.3	.20
6G-6FFORX	7104-18095	3/8	9.5	11/16-16	—	18.0	—	22.0	2.27	57.7	1.14	28.9	.24


# MegaCrimp® Couplings

## Female Flat-Face O-Ring Swivel - Cont'd

Descr.	Prod. No.	⊖			H1	H1	H2	H2	L		C		Weight Lbs.
		"	mm		"	mm	"	mm	"	mm	"	mm	
6G-8FFORX	7104-18105	3/8	9.5	13/16-16	—	18.0	—	24.0	2.26	57.4	1.13	28.6	.26
6G-10FFORX	7104-18115	3/8	9.5	1-14	—	18.0	—	30.0	2.15	54.7	1.02	25.9	.42
8G-6FFORX	7104-19145	1/2	12.7	11/16-16	—	22.0	—	22.0	3.78	95.9	2.30	58.4	.35
8G-8FFORX	7104-18155	1/2	12.7	13/16-16	—	22.0	—	24.0	2.62	66.5	1.23	31.3	.32
8G-10FFORX	7104-18165	1/2	12.7	1-14	—	22.0	—	30.0	2.76	70.0	1.37	34.8	.41
8G-12FFORX	7104-18175	1/2	12.7	1 3/16-12	—	22.0	—	36.0	2.81	71.5	1.43	36.3	.64
10G-8FFORX	7104-19195	5/8	15.9	13/16-16	—	24.0	—	24.0	3.83	97.2	2.35	59.7	.44
10G-10FFORX	7104-18205	5/8	15.9	1-14	—	24.0	—	30.0	2.99	76.0	1.52	38.5	.49
10G-12FFORX	7104-18215	5/8	15.9	1 3/16-12	—	24.0	—	36.0	3.03	77.0	1.56	39.5	.62
12G-10FFORX	7104-19245	3/4	19.1	1-14	—	30.0	—	30.0	3.74	95.1	1.74	44.1	.74
12G-12FFORX	7104-18255	3/4	19.1	1 3/16-12	—	30.0	—	36.0	3.65	92.8	1.65	41.8	.80
12G-16FFORX	7104-18265	3/4	19.1	1 7/16-12	—	30.0	—	41.0	3.48	88.3	1.47	37.3	.90
16G-12FFORX	7104-19295	1	25.4	1 3/16-12	—	36.0	—	36.0	5.58	141.8	3.35	85.0	1.25
16G-20FFORX	7104-18315	1	25.4	1 11/16-12	—	36.0	—	50.0	4.06	103.0	1.82	46.2	1.58
16GE-16FFORX	7102-03925	1	25.4	1 7/16-12	—	41.0	1 5/8	—	4.33	110.0	2.09	53.2	1.41
20G-24FFORX	7104-19385	1 1/4	31.8	2-12	—	50.0	—	60.0	4.49	114.0	2.17	55.0	2.40
20GE-20FFORX	7102-03945	1 1/4	31.8	1 11/16-12	—	50.0	1 7/8	—	4.63	117.5	2.30	58.5	1.93

## Female Flat-Face O-Ring Swivel - 30° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Weight Lbs.	
		"	mm		mm	mm	"	mm	"	mm			
8G-10FFORX30-010	7104-07025	1/2	12.7	1-14	—	30.0	.38	9.7	3.65	92.7	2.18	55.3	.48

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS**
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

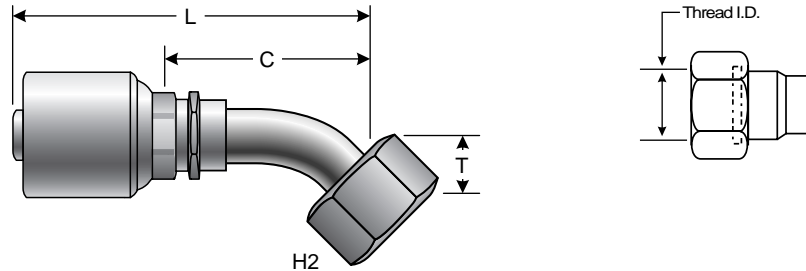




# MegaCrimp® Couplings

## Female Flat-Face O-Ring Swivel - 45° Bent Tube

SAE J1453 O-Ring Face Seal.



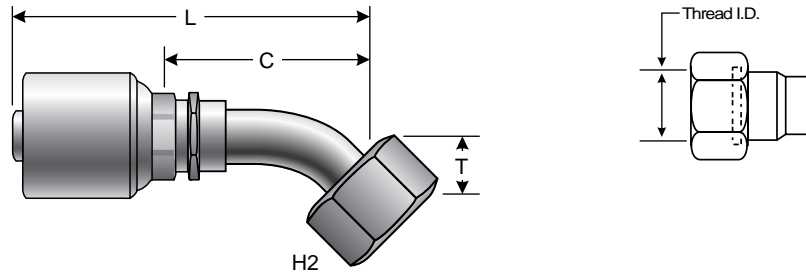
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
4G-4FFORX45S	7104-22045	1/4	6.4	9/16-18	—	17.0	.39	10.0	2.57	65.2	1.54	39.2	.16
4G-6FFORX45S	7104-22055	1/4	6.4	11/16-16	—	22.0	.43	11.0	2.70	68.5	1.67	42.5	.02
5G-6FFORX45S	7104-22335	5/16	7.9	11/16-16	—	22.0	.43	11.0	2.73	69.4	1.63	41.4	.21
6G-4FFORX45S	7104-22075	3/8	9.5	9/16-18	—	17.0	.39	10.0	2.60	66.1	1.50	38.1	.17
6G-6FFORX45S	7104-22085	3/8	9.5	11/16-16	—	22.0	.43	11.0	2.75	69.8	1.65	41.9	.02
6G-8FFORX45S	7104-22095	3/8	9.5	13/16-16	—	24.0	.59	15.0	3.35	85.2	2.26	57.3	.03
8G-6FFORX45S	7104-22125	1/2	12.7	11/16-16	—	22.0	.43	11.0	3.57	90.7	2.09	53.2	.03
8G-8FFORX45S	7104-22135	1/2	12.7	13/16-16	—	24.0	.59	15.0	3.50	89.0	2.03	51.6	.03
8G-10FFORX45S	7104-22145	1/2	12.7	1-14	—	30.0	.63	16.0	3.98	101.0	2.50	63.5	.05
8G-12FFORX45S	7104-22155	1/2	12.7	1 3/16-12	—	36.0	.83	21.0	4.34	110.3	2.87	72.8	.65
10G-8FFORX45S	7104-22165	5/8	15.9	13/16-16	—	24.0	.59	15.0	3.81	96.8	2.33	59.3	.42
10G-10FFORX45S	7104-22175	5/8	15.9	1-14	—	30.0	.63	16.0	3.96	100.5	2.48	63.0	.55
10G-12FFORX45S	7104-22185	5/8	15.9	1 3/16-12	—	36.0	.83	21.0	4.17	105.9	2.69	68.4	.06
12G-10FFORX45S	7104-22215	3/4	19.1	1-14	—	30.0	.63	16.0	4.45	113.0	2.44	62.0	.68
12G-12FFORX45S	7104-22225	3/4	19.1	1 3/16-12	—	36.0	.83	21.0	4.66	118.4	2.65	67.4	.85
12G-16FFORX45S	7104-22235	3/4	19.1	1 7/16-12	—	41.0	.94	24.0	4.80	122.0	2.80	71.0	.75
16G-12FFORX45S	7104-22255	1	25.4	1 3/16-12	—	36.0	.83	21.0	5.33	135.5	2.98	75.7	.12
16G-16FFORX45S	7104-22265	1	25.4	1 7/16-12	—	41.0	.94	24.0	5.78	146.9	3.55	90.1	1.35
20G-20FFORX45S	7104-22295	1 1/4	31.8	1 11/16-12	—	50.0	.98	25.0	6.22	158.0	3.90	99.0	2.00

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



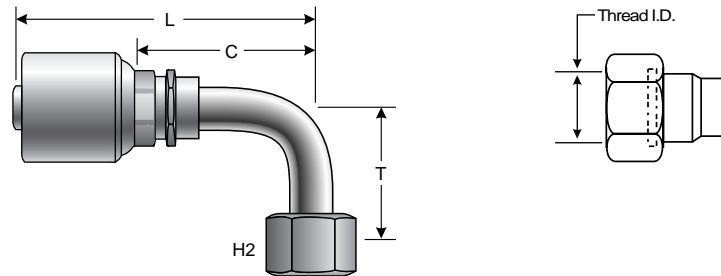
# MegaCrimp® Couplings

## Female Flat-Face O-Ring Swivel - 67½° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	"	mm	
8GE-8FFORX67-022	7102-03775	1/2	12.7	13/16-16	—	15/16	.87	22.0	3.69	93.7	2.21	56.2	.40

## Female Flat-Face O-Ring Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		mm	mm	"	mm	"	mm	"	mm	
4G-4FFORX90L	7104-24065	1/4	6.4	9/16-18	—	17.0	1.81	46.0	2.21	56.2	1.19	30.2	.02
4G-4FFORX90M	7104-24055	1/4	6.4	9/16-18	—	17.0	1.26	32.0	2.21	56.2	1.19	30.2	.02
4G-4FFORX90S	7104-24045	1/4	6.4	9/16-18	—	17.0	.83	21.0	2.37	60.2	1.35	34.2	.02
4G-6FFORX90L	7104-24115	1/4	6.4	11/16-16	—	22.0	2.13	54.0	2.43	61.6	1.40	35.6	.02
4G-6FFORX90M	7104-24105	1/4	6.4	11/16-16	—	22.0	1.50	38.0	2.50	63.4	1.47	37.4	.19
4G-6FFORX90S	7104-24095	1/4	6.4	11/16-16	—	22.0	.91	23.0	2.50	63.4	1.47	37.4	.02
4G-8FFORX90L	7104-24165	1/4	6.4	13/16-16	—	24.0	2.52	64.0	2.64	67.1	1.62	41.1	.34
4G-8FFORX90S	7104-24145	1/4	6.4	13/16-16	—	24.0	1.14	29.0	2.83	72.0	1.81	46.0	.26
5G-6FFORX90S	7104-24955	5/16	7.9	11/16-16	—	22.0	.91	23.0	2.83	72.0	1.73	44.0	.23
6G-4FFORX90S	7104-24195	3/8	9.5	9/16-18	—	17.0	.83	21.0	2.42	61.4	1.32	33.6	.17
6G-6FFORX90L	7104-24265	3/8	9.5	11/16-16	—	22.0	2.13	54.0	2.73	69.3	1.63	41.4	.26
6G-6FFORX90M	7104-24255	3/8	9.5	11/16-16	—	22.0	1.50	38.0	2.50	63.6	1.41	35.7	.29
6G-6FFORX90S	7104-24245	3/8	9.5	11/16-16	—	22.0	.91	23.0	2.85	72.5	1.76	44.6	.24
6G-8FFORX90L	7104-24315	3/8	9.5	13/16-16	—	24.0	2.52	64.0	2.72	69.0	1.62	41.1	.03
6G-8FFORX90M	7104-24305	3/8	9.5	13/16-16	—	24.0	1.61	41.0	2.70	68.5	1.60	40.6	.30
6G-8FFORX90S	7104-24295	3/8	9.5	13/16-16	—	24.0	1.14	29.0	2.87	73.0	1.78	45.1	.30
8G-6FFORX90L	7104-24365	1/2	12.7	11/16-16	—	22.0	2.13	54.0	3.16	80.3	1.69	42.8	.35
8G-6FFORX90S	7104-24345	1/2	12.7	11/16-16	—	22.0	.91	23.0	3.29	83.5	1.81	46.0	.03
8G-8FFORX90L	7104-24415	1/2	12.7	13/16-16	—	24.0	2.52	64.0	3.30	83.9	1.83	46.5	.04

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



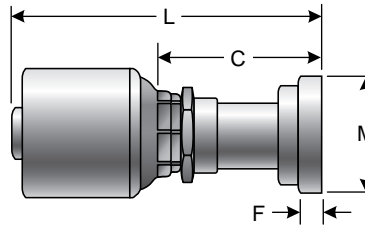


# MegaCrimp® Couplings

## Female Flat-Face O-Ring Swivel - 90° Bent Tube - Cont'd

Equip. Selection	Prod. No.	Ø		O-Ring	H1	H2	T		L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	
G8K COUPLINGS	8G-8FFORX90M	1/2	12.7	13/16-16	—	24.0	1.61	41.0	3.30	83.9	1.83	46.5	.04
	8G-8FFORX90S	1/2	12.7	13/16-16	—	24.0	1.14	29.0	3.30	83.9	1.83	46.5	.03
GLOBALSPIRAL COUPLINGS	8G-10FFORX90L	1/2	12.7	1-14	—	30.0	2.76	70.0	3.57	90.6	2.09	53.1	.05
	8G-10FFORX90M	1/2	12.7	1-14	—	30.0	1.85	47.0	3.67	93.2	2.19	55.7	.53
PCM/PCS FERRULES	8G-10FFORX90S	1/2	12.7	1-14	—	30.0	1.26	32.0	3.66	92.9	2.18	55.4	.52
	8G-12FFORX90S	1/2	12.7	1 3/16-12	—	36.0	1.89	48.0	4.05	102.9	2.57	65.4	.64
MEGACRIMP COUPLINGS	10G-8FFORX90L	5/8	15.9	13/16-16	—	24.0	2.52	64.0	3.64	92.4	2.16	54.9	.47
	10G-8FFORX90S	5/8	15.9	13/16-16	—	24.0	1.14	29.0	3.64	92.4	2.16	54.9	.04
STAINLESS STEEL	10G-10FFORX90L	5/8	15.9	1-14	—	30.0	2.76	70.0	3.55	90.2	2.07	52.7	.65
	10G-10FFORX90M	5/8	15.9	1-14	—	30.0	1.85	47.0	3.65	92.8	2.18	55.3	.05
POWER CRIMP COUPLINGS	10G-10FFORX90S	5/8	15.9	1-14	—	30.0	1.26	32.0	3.64	92.5	2.17	55.0	.50
	10G-12FFORX90S	5/8	15.9	1 3/16-12	—	36.0	1.89	48.0	3.79	96.3	2.31	58.8	.70
LOC, GL AND GLP COUPLINGS	12G-10FFORX90S	3/4	19.1	1-14	—	30.0	1.26	32.0	4.09	104.0	2.09	53.0	.73
	12G-12FFORX90L	3/4	19.1	1 3/16-12	—	36.0	3.78	96.0	4.65	118.2	2.65	67.2	.10
POLARSEAL COUPLINGS	12G-12FFORX90M	3/4	19.1	1 3/16-12	—	36.0	2.28	58.0	4.29	109.0	2.28	58.0	.09
	12G-12FFORX90S	3/4	19.1	1 3/16-12	—	36.0	1.89	48.0	4.28	108.8	2.28	57.8	.85
POLARSEAL II COUPLINGS	12G-16FFORX90S	3/4	19.1	1 7/16-12	—	41.0	2.20	56.0	5.06	128.5	3.05	77.5	1.10
	16G-12FFORX90S	1	25.4	1 3/16-12	—	36.0	1.89	48.0	5.09	129.4	2.86	72.6	1.23
C14 COUPLINGS	16G-16FFORX90L	1	25.4	1 7/16-12	—	41.0	4.49	114.0	5.11	129.9	2.88	73.1	.15
	16G-16FFORX90M	1	25.4	1 7/16-12	—	41.0	2.80	71.0	5.11	129.9	2.88	73.1	1.46
PCTS THERMO-PLASTIC COUPLINGS	16G-16FFORX90S	1	25.4	1 7/16-12	—	41.0	2.20	56.0	5.11	129.9	2.88	73.1	1.44
	16G-20FFORX90M	1	25.4	1 11/16-12	—	50.0	3.07	78.0	6.14	156.0	3.91	99.2	.19
FIELD ATTACHABLE G1 AND G2 COUPLINGS	16G-20FFORX90S	1	25.4	1 11/16-12	—	50.0	2.52	64.0	5.11	129.9	2.88	73.1	1.67
	20G-20FFORX90L	1 1/4	31.8	1 11/16-12	—	50.0	5.08	129.0	5.51	140.0	3.19	81.0	.06
FIELD ATTACHABLE C5 AND C5E COUPLINGS	20G-20FFORX90M	1 1/4	31.8	1 11/16-12	—	50.0	3.07	78.0	5.51	140.0	3.19	81.0	2.03
	20G-20FFORX90S	1 1/4	31.8	1 11/16-12	—	50.0	2.52	64.0	5.91	150.0	3.58	91.0	.21

## Code 61 O-Ring Flange



Equip. Selection	Prod. No.	Ø		M		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	
QUICK DISCONNECT COUPLERS	8G-8FL	1/2	12.7	1.19	30.2	3.15	80.0	1.67	42.5	.27	6.9	.36
	8G-12FL	1/2	12.7	1.50	38.1	3.15	80.0	1.67	42.5	.27	6.9	.46
LIVE SWIVEL	12G-12FL	3/4	19.1	1.50	38.1	3.86	98.0	1.85	47.0	.27	6.9	.67
	12G-16FL	3/4	19.1	1.75	44.5	3.50	88.8	1.49	37.8	.32	8.1	.77
BALL VALVES	16G-12FL	1	25.4	1.50	38.1	5.04	128.0	2.80	71.2	.27	6.9	1.25
	16G-16FL	1	25.4	1.75	44.5	4.13	105.0	1.90	48.2	.32	8.1	1.23
ACCESSORIES	16G-20FL	1	25.4	2.00	50.8	4.13	105.0	1.90	48.2	.32	8.1	1.32

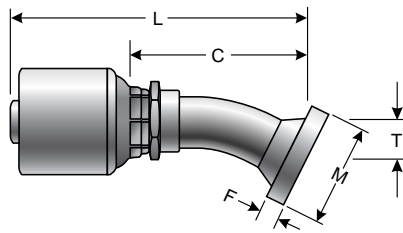


# MegaCrimp® Couplings

## Code 61 O-Ring Flange - Cont'd

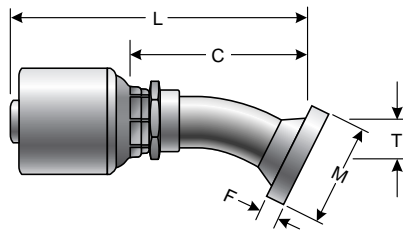
Descr.	Prod. No.	⊖		M		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	
16G-24FL	7100-03875	1	25.4	2.38	60.5	3.78	96.0	1.54	39.2	.32	8.1	1.39
20G-20FL	7103-25405	1 1/4	31.8	2.00	50.8	4.43	112.5	2.11	53.5	.32	8.1	1.54
20G-24FL	7103-25455	1 1/4	31.8	2.38	60.5	4.63	117.5	2.30	58.5	.32	8.1	1.80

## Code 61 O-Ring Flange - 22½° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12G-12FL22M	7103-26155	3/4	19.1	1.50	38.1	.43	11.0	4.76	121.0	2.76	70.0	.27	6.9	.12
12G-16FL22M-014	7100-03955	3/4	19.1	1.75	44.5	.55	14.0	4.76	121.0	2.76	70.0	.32	8.1	.08
16G-16FL22M	7103-26255	1	25.4	1.75	44.5	.55	14.0	5.61	142.5	3.37	85.7	.32	8.1	.18
20G-20FL22M	7103-26355	1 1/4	31.8	2.00	50.8	.59	15.0	6.00	152.5	3.68	93.5	.32	8.1	.26

## Code 61 O-Ring Flange - 30° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12G-12FL30M	7103-26655	3/4	19.1	1.50	38.1	.63	16.0	4.70	119.5	2.70	68.5	.32	8.1	.14
12G-16FL30M	7100-04045	3/4	19.1	1.75	44.5	.75	19.0	4.88	124.0	2.87	73.0	.32	8.1	.08
16G-16FL30M	7103-26755	1	25.4	1.75	44.5	.75	19.0	5.69	144.5	3.45	87.7	.32	8.1	.18
16G-20FL30M	7103-26805	1	25.4	2.00	50.8	.87	22.0	5.89	149.5	3.65	92.7	.32	8.1	1.55
20G-20FL30S	7103-26845	1 1/4	31.8	2.00	50.8	.79	20.0	6.04	153.4	3.72	94.4	.32	8.1	.24

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

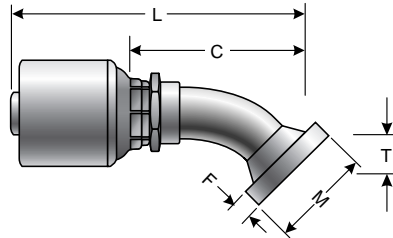






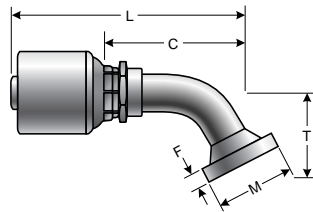
# MegaCrimp® Couplings

## Code 61 O-Ring Flange - 45° Bent Tube



Descr.	Prod. No.	Ø		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
8G-8FL45M	7103-27085	1/2	12.7	1.19	30.2	.75	19.0	3.85	97.8	2.37	60.3	.26	6.6	.72
8G-12FL45M	7103-27165	1/2	12.7	1.50	38.1	1.02	26.0	4.13	104.8	2.65	67.3	.27	6.9	.12
10G-12FL45M	7103-27205	5/8	15.9	1.50	38.1	1.02	26.0	4.43	112.6	2.96	75.1	.26	6.6	.58
12G-12FL45M	7103-27245	3/4	19.1	1.50	38.1	1.02	26.0	4.82	122.5	2.81	71.5	.27	6.9	.75
12G-16FL45S	7103-27315	3/4	19.1	1.75	44.5	1.10	28.0	4.90	124.5	2.89	73.5	.32	8.1	.90
16G-16FL45S	7103-27395	1	25.4	1.75	44.5	1.10	28.0	5.61	142.5	3.37	85.7	.32	8.1	.20
16G-20FL45S	7103-27475	1	25.4	2.00	50.8	1.26	32.0	5.87	149.0	3.63	92.2	.32	8.1	1.40
16G-24FL45	7100-07185	1	25.4	2.38	60.5	1.06	26.9	5.30	134.5	3.06	77.7	.32	8.1	1.54
20G-20FL45S	7103-27555	1 1/4	31.8	2.00	50.8	1.26	32.0	6.18	157.0	3.86	98.0	.32	8.1	.27

## Code 61 O-Ring Flange - 60° Bent Tube



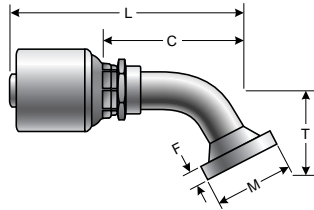
Descr.	Prod. No.	Ø		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12G-12FL60M	7103-28155	3/4	19.1	1.50	38.1	1.46	37.0	5.04	128.0	3.03	77.0	.27	6.9	.14
12G-16FL60M	7103-28205	3/4	19.1	1.75	44.5	1.73	44.0	5.20	132.0	3.19	81.0	.32	8.1	.19
16G-16FL60M	7103-28255	1	25.4	1.75	44.5	1.73	44.0	5.85	148.5	3.61	91.7	.32	8.1	.21
20G-20FL60S	7103-28345	1 1/4	31.8	2.00	50.8	1.77	45.0	6.22	158.0	3.90	99.0	.32	8.1	.27

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



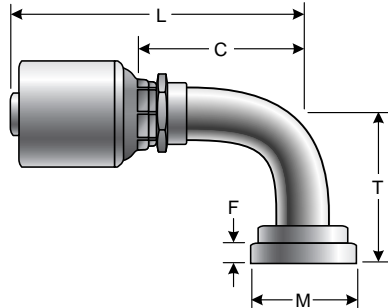
# MegaCrimp® Couplings

## Code 61 O-Ring Flange - 67½° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12G-12FL67M	7100-04355	3/4	19.1	1.50	38.1	1.65	42.0	4.65	118.0	2.64	67.0	.27	6.9	.08
20G-20FL67S	7100-04335	1 1/4	31.8	2.00	50.8	2.01	51.0	5.92	150.4	3.60	91.4	.32	8.1	.25

## Code 61 O-Ring Flange - 90° Bent Tube



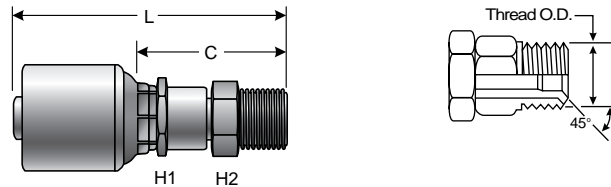
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
8G-8FL90M	7103-29115	1/2	12.7	1.19	30.2	1.57	40.0	3.59	91.2	2.11	53.7	.27	6.9	.08
8G-12FL90M	7103-29235	1/2	12.7	1.50	38.1	2.28	58.0	3.60	91.5	2.13	54.0	.27	6.9	.54
10G-12FL90M	7100-04485	5/8	15.9	1.50	38.1	2.28	58.0	3.94	100.0	2.46	62.5	.27	6.9	.66
12G-12FL90M	7103-29535	3/4	19.1	1.50	38.1	2.28	58.0	4.54	115.3	2.53	64.3	.27	6.9	.80
12G-16FL90S	7103-29585	3/4	19.1	1.75	44.5	2.40	61.0	4.72	119.8	2.71	68.8	.32	8.1	1.70
16G-12FL90M	7103-29655	1	25.4	1.50	38.1	2.28	58.0	5.09	129.3	2.85	72.5	.27	6.9	1.78
16G-16FL90S	7103-29705	1	25.4	1.75	44.5	2.40	61.0	5.48	139.3	3.25	82.5	.32	8.1	1.35
16G-20FL90S	7103-29765	1	25.4	2.00	50.8	2.68	68.0	5.48	139.3	3.25	82.5	.32	8.1	1.45
16G-24FL90S-081	7100-04555	1	25.4	2.38	60.5	3.19	81.0	5.57	141.6	3.34	84.8	.32	8.1	1.69
20G-20FL90-102	7100-04565	1 1/4	31.8	2.00	50.8	4.00	101.6	5.43	138.0	3.11	79.0	.32	8.1	.16
20G-20FL90M	7103-29895	1 1/4	31.8	2.00	50.8	3.54	90.0	5.31	135.0	2.99	76.0	.32	8.1	1.90
20G-20FL90S	7103-29885	1 1/4	31.8	2.00	50.8	2.68	68.0	6.22	158.1	3.90	99.1	.32	8.1	1.90
20G-24FL90S	7103-29945	1 1/4	31.8	2.38	60.5	3.19	81.0	6.22	158.1	3.90	99.1	.32	8.1	.39

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



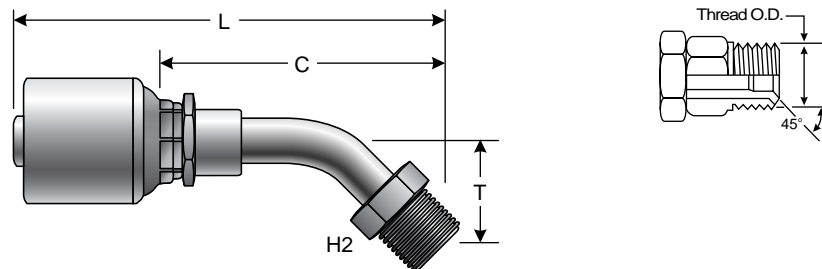
# MegaCrimp® Couplings

## SAE Male Inverted Swivel



Descr.	Prod. No.	⌀		Spring	H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
4G-3MIX	7100-16205	1/4	6.4	3/8-24	1/2	3/8	2.52	64.0	1.50	38.0	.12
4G-4MIX	7100-16225	1/4	6.4	7/16-24	1/2	7/16	2.52	63.9	1.49	37.9	.13
4G-5MIX	7100-16235	1/4	6.4	1/2-20	1/2	1/2	2.52	63.9	1.49	37.9	.14
6G-4MIX	7100-16185	3/8	9.5	7/16-24	5/8	7/16	2.63	66.9	1.54	39.0	.15
6G-5MIX	7100-16245	3/8	9.5	1/2-20	5/8	1/2	2.56	64.9	1.46	37.0	.17
6G-6MIX	7100-16255	3/8	9.5	5/8-18	5/8	5/8	2.75	69.9	1.65	42.0	.20
6G-7MIX	7100-16265	3/8	9.5	11/16-18	5/8	11/16	2.76	70.0	1.66	42.1	.21
8G-6MIX	7100-06275	1/2	12.7	5/8-18	13/16	5/8	3.13	79.5	1.65	42.0	.29
8G-8MIX	7100-06285	1/2	12.7	3/4-18	13/16	3/4	3.30	83.8	1.82	46.3	.32
10G-10MIX	7100-06295	5/8	15.9	7/8-18	15/16	7/8	3.92	99.5	2.44	62.0	.43

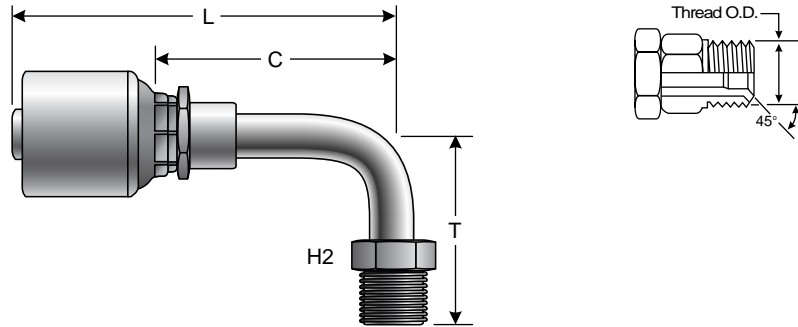
## SAE Male Inverted Swivel - 45° Bent Tube



Descr.	Prod. No.	⌀		Spring	H1	H2	T	L		C		Weight Lbs.	
		"	mm		"	"	"	mm	"	mm	"		mm
4G-3MIX45-018	7100-16275	1/4	6.4	3/8-24	—	3/8	.69	17.5	2.67	67.9	1.65	41.9	.01
6G-4MIX45	7100-16305	3/8	9.5	7/16-24	—	7/16	1.00	25.4	3.17	80.5	2.07	52.6	.17
6G-5MIX45	7100-16315	3/8	9.5	1/2-20	—	1/2	1.00	25.4	3.13	79.5	2.03	51.6	.18
6G-6MIX45	7100-16325	3/8	9.5	5/8-18	—	5/8	1.00	25.4	3.32	84.3	2.22	56.4	.22
6G-7MIX45	7100-16335	3/8	9.5	11/16-18	—	11/16	1.00	25.4	3.39	86.0	2.29	58.1	.23
8G-8MIX45	7100-16345	1/2	12.7	3/4-18	—	3/4	1.14	29.0	4.17	106.0	2.70	68.5	.41
10G-10MIX45	7100-16435	5/8	15.9	7/8-18	—	7/8	1.38	35.1	2.33	59.2	1.31	33.2	.46

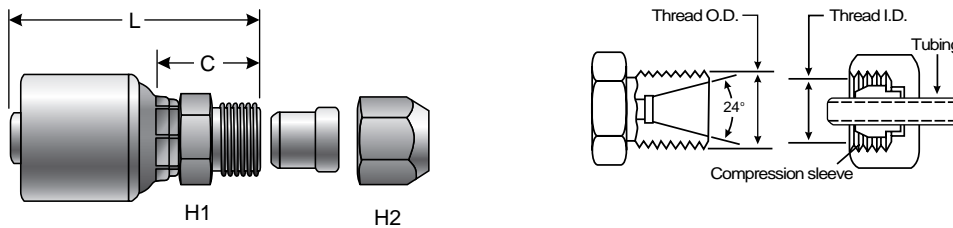
# MegaCrimp® Couplings

## SAE Male Inverted Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm				"	mm	"	mm	"	mm	
4G-4MIX90	7100-16355	1/4	6.4	7/16-24	—	7/16	1.38	35.1	2.33	59.2	1.31	33.2	.14
4G-5MIX90	7100-16365	1/4	6.4	1/2-20	—	1/2	1.38	35.1	2.46	62.5	1.44	36.5	.15
5G-6MIX90-035	7100-16385	5/16	7.9	5/8-18	—	5/8	1.38	35.1	2.78	70.5	1.67	42.5	.02
6G-4MIX90	7100-16395	3/8	9.5	7/16-24	—	7/16	1.38	35.1	2.44	62.0	1.34	34.1	.17
6G-5MIX90	7100-16405	3/8	9.5	1/2-20	—	1/2	1.38	35.1	2.50	63.5	1.40	35.6	.18
6G-6MIX90	7100-16415	3/8	9.5	5/8-18	—	5/8	1.38	35.1	2.80	71.0	1.70	43.1	.22
6G-7MIX90	7100-16425	3/8	9.5	11/16-18	—	11/16	1.38	35.1	2.80	71.0	1.70	43.1	.23
8G-8MIX90	7100-06435	1/2	12.7	3/4-18	—	3/4	1.64	41.7	3.29	83.5	1.81	46.0	.45
10G-10MIX90	7100-06335	5/8	15.9	7/8-18	—	7/8	1.81	46.0	3.89	98.7	2.41	61.3	.48

## SAE Male Flareless Assembly



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
4G-4MFA	7100-16445	1/4	6.4	7/16-20	1/2	9/16	2.09	53.0	1.06	27.0	.15
4G-5MFA	7100-16455	1/4	6.4	1/2-20	1/2	5/8	1.97	50.0	.94	24.0	.15
5G-5MFA	7100-16515	5/16	7.9	1/2-20	5/8	5/8	2.13	54.0	1.02	26.0	.19
5G-6MFA	7100-16505	5/16	7.9	9/16-18	5/8	11/16	2.21	56.1	1.11	28.1	.20
6G-4MFA	7100-16465	3/8	9.5	7/16-20	5/8	9/16	2.17	55.0	1.07	27.1	.18
6G-5MFA	7100-16475	3/8	9.5	1/2-20	5/8	5/8	2.17	55.0	1.07	27.1	.18
6G-6MFA	7100-16485	3/8	9.5	9/16-18	5/8	11/16	2.20	56.0	1.11	28.1	.18
6G-8MFA	7100-16495	3/8	9.5	3/4-16	3/4	7/8	2.40	61.0	1.30	33.1	.26
8G-8MFA	7100-06505	1/2	12.7	3/4-16	13/16	7/8	2.78	70.5	1.30	33.0	.34
8G-10MFA	7100-06515	1/2	12.7	7/8-14	7/8	1	2.83	72.0	1.36	34.5	.39
12G-12MFA	7100-06525	3/4	19.1	1 1/16-12	1 1/16	1 1/4	3.54	90.0	1.54	39.0	.75

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

gates.com/hydraulics

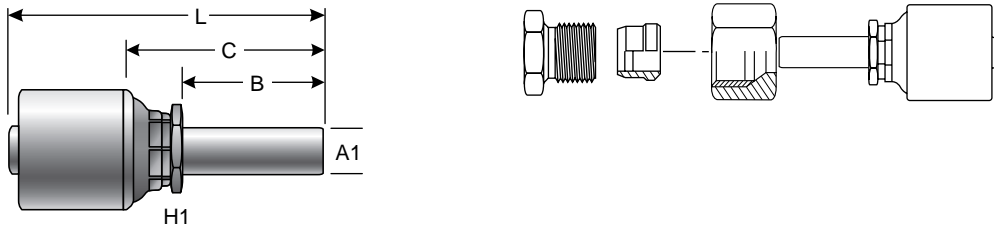
G27

# MegaCrimp® Couplings

## SAE Male Flareless Assembly - Cont'd

Descr.	Prod. No.	Ø			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
16G-16MFA	7100-06535	1	25.4	1 5/16-12	1 3/8	1 1/2	3.94	100.0	1.70	43.2	1.06

## North American Stand Pipe



Descr.	Prod. No.	Ø		H1	L		C		B		A1	Weight
		"	mm	"	"	mm	"	mm	"	mm	"	Lbs.
4G-4NASP	7100-08305	1/4	6.4	1/2	2.26	57.5	1.24	31.5	.88	22.4	1/4	.10
6G-6NASP	7100-08335	3/8	9.5	5/8	2.34	59.5	1.24	31.6	.88	22.4	3/8	.13
8G-8NASP	7100-08365	1/2	12.7	13/16	2.87	73.0	1.40	35.5	1.00	25.4	1/2	.23
12G-12NASP	7100-08435	3/4	19.1	1 1/16	3.58	91.0	1.57	40.0	1.16	29.5	3/4	.47
16G-16NASP	7100-08465	1	25.4	1 7/16	3.86	98.0	1.62	41.2	1.12	28.4	1	.89

## Female Flareless Sleeve

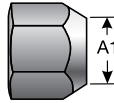



Descr.	Prod. No.	A1	Weight
		"	Lbs.
4FFS	7334-40555	1/4	.03
5FFS	7334-40565	5/16	.01
6FFS	7334-40575	3/8	.01
8FFS	7334-40435	1/2	.05
10FFS	7334-40585	5/8	.30
12FFS	7334-40595	3/4	.30
16FFS	7334-40605	1	.30

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

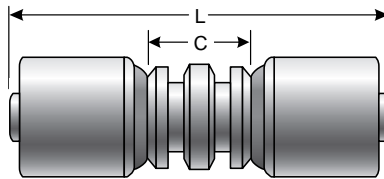
# MegaCrimp® Couplings


## Female Flareless Nut



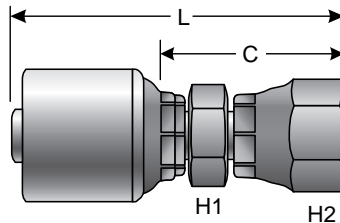
Descr.	Prod. No.	A1		H1	Weight
		"		"	Lbs.
4FFN	7334-40495	1/4	7/16-20	9/16	.30
5FFN	7334-40505	5/16	1/2-20	5/8	.30
6FFN	7334-40515	3/8	9/16-18	11/16	.30
8FFN	7334-40425	1/2	3/4-16	7/8	.30
10FFN	7334-40525	5/8	7/8-14	1	.30
12FFN	7334-40535	3/4	1 1/16-12	1 1/4	.30
16FFN	7334-40545	1	1 5/16-12	1 1/2	.30



## Hose Length Extender



Descr.	Prod. No.			L		C		Weight
		"	mm	"	mm	"	mm	Lbs.
20G-20HLE	7101-50705	1 1/4	31.8	5.96	151.5	1.32	33.5	2.23

## Female Air Brake Swivel



Descr.	Prod. No.				H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
6G-6FABX	7100-13095	3/8	9.5	3/4-20	3/4	7/8	2.41	61.2	1.31	33.3	.25
8G-6FABX	7100-13105	1/2	12.7	3/4-20	13/16	7/8	2.74	69.7	1.27	32.2	.30
8G-8FABX	7100-13125	1/2	12.7	7/8-20	13/16	1 1/16	3.02	76.7	1.54	39.2	.40

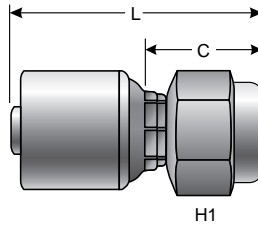
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





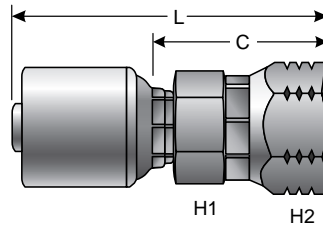
# MegaCrimp® Couplings

## Female Grease



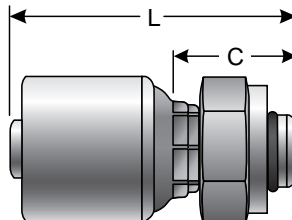
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4G-8FG	7100-09605	1/4	6.4	1/2-27	11/16	—	1.87	47.5	.85	21.5	.13
6G-8FG	7100-09615	3/8	9.5	1/2-27	11/16	—	1.93	49.1	.83	21.2	.15

## Female Parker Triple Thread Flare



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
16G-16FZX	7100-00015	1	25.4	1 5/16-14	1 3/8	1 1/2	3.98	101.0	1.74	44.3	.11

## Pressure Wash Swivel

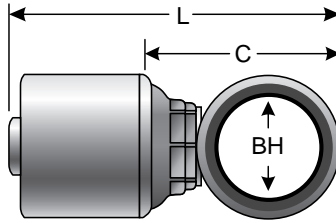


Descr.	Prod. No.	⊖		🌀	L		C		Weight
		"	mm		"	mm	"	mm	Lbs.
4G-6PWX	7100-02905	1/4	6.4	M22X1.5	2.52	64.0	1.50	38.0	.25
6G-6PWX	7100-02915	3/8	9.5	M22X1.5	2.60	66.0	1.50	38.1	.27



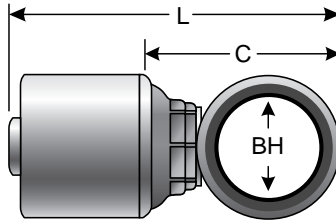
# MegaCrimp® Couplings

## International Thread British Std Pipe Banjo



Descr.	Prod. No.	⊖		L		C		BH	Weight
		"	mm	"	mm	"	mm	mm	Lbs.
4G-4BSPBJ	7100-92565	1/4	6.4	2.10	53.4	1.19	30.3	13.2	.16
6G-6BSPBJ	7100-92575	3/8	9.5	2.20	55.8	1.30	32.4	16.8	.21
8G-8BSPBJ	7100-92925	1/2	12.7	2.80	70.7	1.50	38.2	21.0	.30

## International Thread Metric 7642 DIN Banjo



Descr.	Prod. No.	⊖		L		C		BH	Weight
		"	mm	"	mm	"	mm	mm	Lbs.
4G-12DBJ	7100-91195	1/4	6.4	2.03	51.4	1.11	28.3	12.1	.11
6G-12DBJ	7100-98125	3/8	9.5	2.20	56.0	1.11	28.1	12.1	.15
6G-14DBJ	7100-91275	3/8	9.5	2.30	58.3	1.20	30.4	14.1	.17
6G-16DBJ	7100-91285	3/8	9.5	2.20	55.8	1.27	32.4	16.1	.15
6G-18DBJ	7100-91295	3/8	9.5	2.28	57.8	1.35	34.4	18.1	.17
8G-18DBJ	7100-91305	1/2	12.7	2.64	67.2	1.37	34.7	18.1	.17
12G-26DBJ	7100-93895	3/4	19.1	3.73	94.7	1.72	43.7	26.1	.68
16G-30DBJ	7100-94995	1	25.4	4.30	109.2	2.06	52.4	30.1	1.18

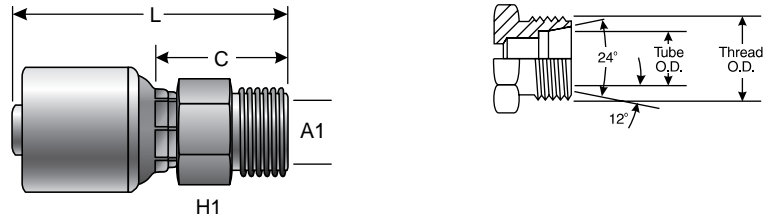
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





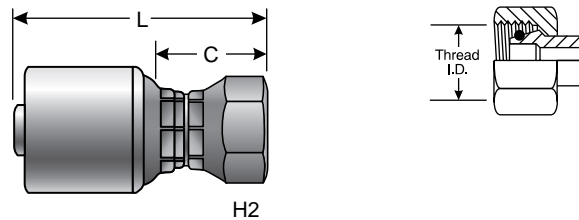
# MegaCrimp® Couplings

## Male DIN 24° Cone - Light Series



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		A1	Weight
		"	mm				"	mm	"	mm		
4G-6MDL	7100-92685	1/4	6.4	M12X1.5	14.0	—	1.69	42.9	.78	19.8	6.0	.10
4G-8MDL	7100-14835	1/4	6.4	M14X1.5	17.0	—	1.97	50.0	.94	24.0	8.0	.14
4G-10MDL	7100-14845	1/4	6.4	M18X1.5	17.0	—	2.01	51.0	.98	25.0	10.0	.13
6G-10MDL	7100-14865	3/8	9.5	M16X1.5	17.0	—	2.07	52.5	.97	24.6	10.0	.18
6G-12MDL	7100-14875	3/8	9.5	M18X1.5	19.0	—	2.07	52.5	.97	24.6	12.0	.19
6G-15MDL	7100-92695	3/8	9.5	M22X1.5	24.0	—	1.86	47.3	.94	23.9	15.0	.15
8G-15MDL	7100-04885	1/2	12.7	M22X1.5	24.0	—	2.56	65.0	1.08	27.5	15.0	.36
10G-18MDL	7100-04895	5/8	15.9	M26X1.5	27.0	—	2.56	65.0	1.08	27.5	18.0	.34
10G-22MDL	7100-04935	5/8	15.9	M30X2.0	32.0	—	2.75	69.8	1.27	32.3	22.0	.46
12G-22MDL	7100-04905	3/4	19.1	M30X2.0	32.0	—	3.27	83.0	1.26	32.0	22.0	.61
16G-28MDL	7100-04915	1	25.4	M36X2.0	41.0	—	3.70	94.0	1.46	37.2	28.0	1.09
20G-35MDL	7100-04925	1 1/4	31.8	M45X2.0	46.0	—	3.92	99.5	1.59	40.5	35.0	1.41


## Female DIN 24° Cone Swivel - Light Series with O-Ring



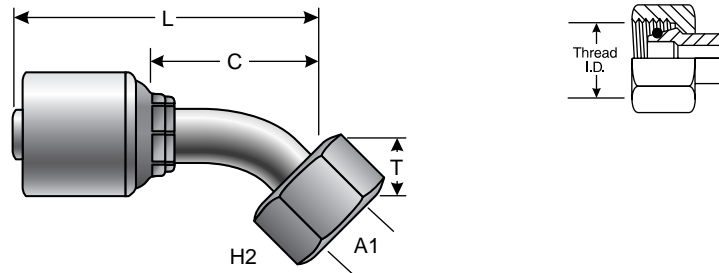
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		A1	Weight
		"	mm				"	mm	"	mm		
4G-6FDLORX	7100-92135	1/4	6.4	M12X1.5	—	14.0	1.92	48.7	1.01	25.8	6.0	.15
4G-8FDLORX	7100-91995	1/4	6.4	M14X1.5	—	17.0	2.02	51.3	1.12	28.4	8.0	.10
4G-10FDLORX	7100-92145	1/4	6.4	M16X1.5	—	19.0	2.06	52.2	1.15	29.3	10.0	.16
4G-12FDLORX	7100-92865	1/4	6.4	M18X1.5	—	22.0	2.07	52.6	1.17	29.7	12.0	.18
5G-10FDLORX	7100-92015	5/16	7.9	M16X1.5	—	19.0	2.12	53.9	1.17	29.7	10.0	.18
5G-12FDLORX	7100-92035	5/16	7.9	M18X1.5	—	22.0	2.30	58.5	1.18	30.0	12.0	.20
6G-10FDLORX	7100-92175	3/8	9.5	M16X1.5	—	19.0	2.06	52.3	1.15	29.2	10.0	.18
6G-12FDLORX	7100-92055	3/8	9.5	M18X1.5	—	22.0	2.09	53.0	1.18	29.9	12.0	.20
8G-15FDLORX	7100-92075	1/2	12.7	M22X1.5	—	27.0	2.43	61.8	1.16	29.3	15.0	.35
10G-18FDLORX	7100-92095	5/8	15.9	M26X1.5	—	32.0	2.36	60.0	1.19	30.3	18.0	.42
12G-18FDLORX	7100-92825	3/4	19.1	M26X1.5	—	32.0	2.70	68.5	1.18	30.0	18.0	.61
12G-22FDLORX	7100-92115	3/4	19.1	M30X2.0	—	36.0	2.79	70.8	1.27	32.3	22.0	.70


# MegaCrimp® Couplings

## Female DIN 24° Cone Swivel - Light Series with O-Ring - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	mm	Lbs.
16G-28FDLORX	7100-92205	1	25.4	M36X2.0	—	41.0	3.21	81.6	1.45	36.7	28.0	1.06
20G-35FDLORX	7100-92215	1 1/4	31.8	M45X2.0	—	—	3.56	90.4	1.74	44.1	35.0	1.56
20G-42FDLORX	7100-95305	1 1/4	31.8	M52X2.0	—	60.0	4.25	108.0	1.93	49.0	42.0	2.00

## Female DIN 24° Cone Swivel - Light Series with O-Ring - 45° Bent Tube



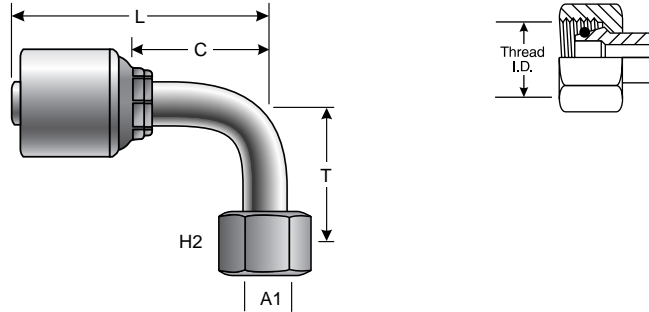
Descr.	Prod. No.	⊖			H1	H2	T	L		C		A1	Weight	
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	Lbs.
4G-8FDLORX45	7100-91855	1/4	6.4	M14X1.5	—	17.0	.64	16.2	2.34	59.5	1.44	36.5	8.0	.10
4G-10FDLORX45	7100-92265	1/4	6.4	M16X1.5	—	19.0	.70	17.9	2.41	61.3	1.51	38.3	10.0	.16
5G-10FDLORX45	7100-91895	5/16	7.9	M16X1.5	—	19.0	.67	17.1	2.50	63.4	1.55	39.3	10.0	.20
6G-10FDLORX45	7100-92295	3/8	9.5	M16X1.5	—	19.0	.73	18.6	2.50	63.6	1.59	40.5	10.0	.18
6G-12FDLORX45	7100-91875	3/8	9.5	M18X1.5	—	22.0	.74	18.9	2.52	64.0	1.61	40.9	12.0	.22
6G-15FDLORX45	7100-92315	3/8	9.5	M22X1.5	—	27.0	.89	22.5	2.66	67.5	1.75	44.4	15.0	.24
8G-15FDLORX45	7100-91935	1/2	12.7	M22X1.5	—	27.0	.79	20.2	3.13	79.6	1.85	47.1	15.0	.34
10G-18FDLORX45	7100-91955	5/8	15.9	M26X1.5	—	32.0	.98	24.8	3.37	85.7	2.21	56.0	18.0	.46
12G-22FDLORX45	7100-91975	3/4	19.1	M30X2.0	—	36.0	1.17	29.8	4.12	104.6	2.60	66.1	22.0	.80
16G-28FDLORX45	7100-92325	1	25.4	M36X2.0	—	41.0	1.21	30.9	4.87	123.7	3.10	78.8	28.0	1.24
20G-35FDLORX45	7100-92335	1 1/4	31.8	M45X2.0	—	50.0	1.48	37.5	5.48	139.3	3.68	93.4	35.0	1.90

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



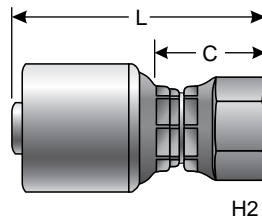
# MegaCrimp® Couplings

## Female DIN 24° Cone Swivel - Light Series with O-Ring - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	Lbs.
4G-6FDLORX90	7100-92375	1/4	6.4	M12X1.5	—	14.0	1.38	35.0	2.15	54.5	1.24	31.5	6.0	.15
4G-8FDLORX90	7100-91685	1/4	6.4	M14X1.5	—	17.0	1.38	35.0	2.15	54.5	1.24	31.5	8.0	.12
4G-10FDLORX90	7100-92385	1/4	6.4	M16X1.5	—	19.0	1.44	36.5	2.15	54.5	1.24	31.5	10.0	.20
5G-10FDLORX90	7100-91725	5/16	7.9	M16X1.5	—	19.0	1.44	36.5	2.31	58.6	1.35	34.4	10.0	.21
6G-10FDLORX90	7100-92415	3/8	9.5	M16X1.5	—	19.0	1.44	36.5	2.18	55.3	1.27	32.2	10.0	.20
6G-12FDLORX90	7100-91705	3/8	9.5	M18X1.5	—	22.0	1.46	37.0	2.18	55.3	1.27	32.2	12.0	.25
8G-15FDLORX90	7100-91765	1/2	12.7	M22X1.5	—	27.0	1.65	42.0	2.87	72.9	1.59	40.4	15.0	.38
10G-18FDLORX90	7100-91785	5/8	15.9	M26X1.5	—	32.0	2.03	51.5	3.04	77.3	1.87	47.6	18.0	.55
12G-22FDLORX90	7100-91805	3/4	19.1	M30X2.0	—	36.0	2.44	62.0	3.73	94.8	2.22	56.3	22.0	.86
16G-28FDLORX90	7100-92445	1	25.4	M36X2.0	—	41.0	2.76	70.0	4.69	119.2	2.93	74.3	28.0	1.40
20G-35FDLORX90	7100-92455	1 1/4	31.8	M45X2.0	—	50.0	3.15	80.0	5.07	128.8	3.26	82.8	35.0	2.20

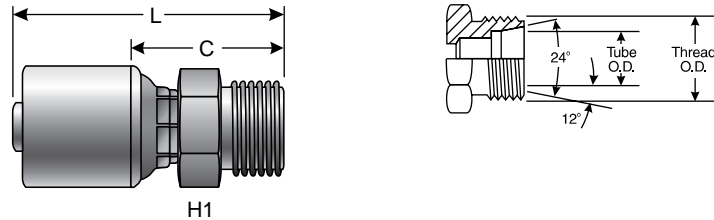
## Female French GAZ Swivel




Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
8G-17FFGX	7100-93555	1/2	12.7	M24X1.5	—	30.0	2.50	63.4	1.02	25.9	.42

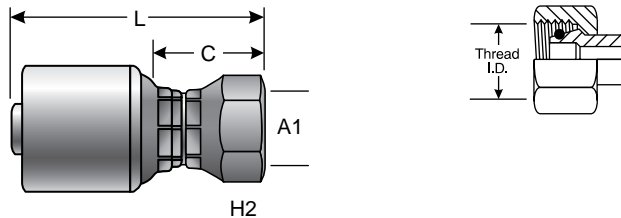
# MegaCrimp® Couplings


## Male DIN 24° Cone - Heavy Series



Descr.	Prod. No.	⊖			H1	H2	L		C		A1	Weight
		"	mm				"	mm	"	mm		
4G-8MDH	7100-15315	1/4	6.4	M16X1.5	17.0	—	2.09	53.0	1.06	27.0	8.0	.13
4G-10MDH	7100-15325	1/4	6.4	M18X1.5	19.0	—	2.07	52.5	1.04	26.5	10.0	.15
5G-12MDH	7100-93015	5/16	7.9	M20X1.5	22.0	—	2.04	51.9	1.09	27.8	12.0	.15
6G-10MDH	7100-15345	3/8	9.5	M18X1.5	19.0	—	2.17	55.0	1.07	27.1	10.0	.20
6G-12MDH	7100-15355	3/8	9.5	M20X1.5	24.0	—	2.26	57.5	1.17	29.6	12.0	.21
6G-14MDH	7100-15365	3/8	9.5	M22X1.5	24.0	—	2.34	59.5	1.24	31.6	14.0	.23
8G-12MDH	7100-94815	1/2	12.7	M20X1.5	24.0	—	2.42	61.5	1.14	29.0	12.0	.30
8G-16MDH	7100-05375	1/2	12.7	M24X1.5	27.0	—	2.72	69.0	1.24	31.5	16.0	.29
10G-20MDH	7100-05385	5/8	15.9	M30X2.0	32.0	—	2.89	73.5	1.42	36.0	20.0	.41
12G-20MDH	7100-92755	3/4	19.1	M30X2.0	32.0	—	2.85	72.3	1.33	33.9	20.0	.55
12G-25MDH	7100-05395	3/4	19.1	M36X2.0	41.0	—	3.62	92.0	1.61	41.0	25.0	.78
16G-30MDH	7100-92535	1	25.4	M42X2.0	46.0	—	3.48	88.3	1.67	42.4	30.0	1.06
20G-38MDH	7100-92545	1 1/4	31.8	M52X2.0	55.0	—	3.72	94.4	1.93	49.1	38.0	1.85

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring



Descr.	Prod. No.	⊖			H1	H2	L		C		A1	Weight
		"	mm				"	mm	"	mm		
4G-8FDHORX	7100-92005	1/4	6.4	M16X1.5	—	19.0	2.02	51.3	1.12	28.4	8.0	.12
4G-10FDHORX	7100-92155	1/4	6.4	M18X1.5	—	22.0	2.06	52.2	1.15	29.3	10.0	.16
4G-12FDHORX	7100-92875	1/4	6.4	M20X1.5	—	24.0	2.19	55.7	1.17	29.7	12.0	.02
5G-12FDHORX	7100-92045	5/16	7.9	M20X1.5	—	24.0	2.28	58.0	1.18	30.0	12.0	.23
5G-14FDHORX	7100-94835	5/16	7.9	M22X1.5	—	27.0	2.11	53.6	1.18	30.0	14.0	.29
6G-10FDHORX	7100-92185	3/8	9.5	M18X1.5	—	22.0	2.06	52.3	1.15	29.2	10.0	.20
6G-12FDHORX	7100-92065	3/8	9.5	M20X1.5	—	24.0	2.09	53.0	1.18	29.9	12.0	.25
6G-14FDHORX	7100-93305	3/8	9.5	M22X1.5	—	27.0	2.19	55.6	1.28	32.5	14.0	.25
8G-12FDHORX	7100-93335	1/2	12.7	M20X1.5	—	24.0	2.76	70.2	1.29	32.7	12.0	.32
8G-14FDHORX	7100-94795	1/2	12.7	M22X1.5	—	27.0	2.56	65.0	1.28	32.5	14.0	.38
8G-16FDHORX	7100-96435	1/2	12.7	M24X1.5	—	30.0	2.61	66.4	1.32	33.5	15.4	.40

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





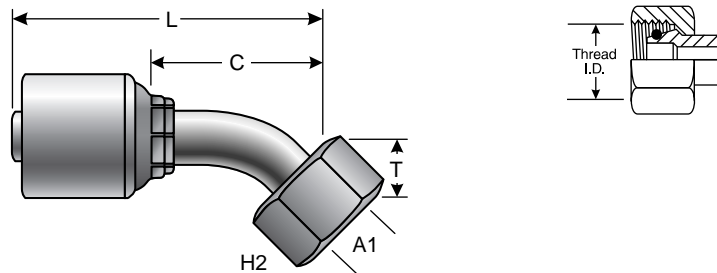
# MegaCrimp® Couplings

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring -

Cont'd

Descr.	Prod. No.	⌀			H1	H2	L		C		A1	Weight
		"	mm		mm	mm	"	mm	"	mm	mm	Lbs.
10G-20FDHORX	7100-92105	5/8	15.9	M30X2.0	—	36.0	2.67	67.9	1.51	38.2	20.0	.52
12G-20FDHORX	7100-96675	3/4	19.1	M30X2.0	—	36.0	3.61	91.7	1.60	40.7	20.0	.75
12G-25FDHORX	7100-92125	3/4	19.1	M36X2.0	—	46.0	3.19	81.1	1.68	42.6	25.0	1.06
16G-25FDHORX	7100-93215	1	25.4	M36X2.0	—	46.0	4.04	102.5	1.80	45.7	25.0	1.35
16G-30FDHORX	7100-92235	1	25.4	M42X2.0	—	50.0	3.70	94.1	1.94	49.2	30.0	1.44
20G-38FDHORX	7100-92245	1 1/4	31.8	M52X2.0	—	60.0	4.10	104.1	2.28	57.8	38.0	2.17

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube



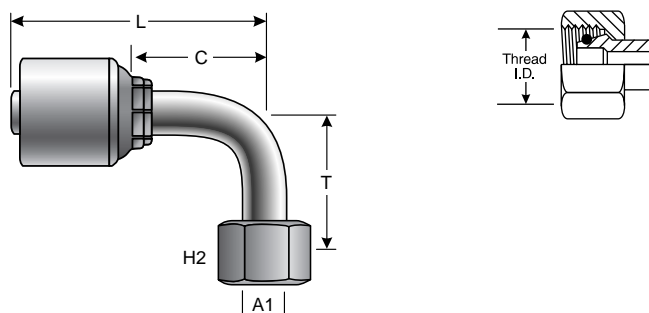
Descr.	Prod. No.	⌀			H1	H2	T	L		C		A1	Weight	
		"	mm		mm	mm	"	mm	"	mm	mm	mm	Lbs.	
4G-8FDHORX45	7100-91865	1/4	6.4	M16X1.5	—	19.0	.64	16.2	2.34	59.5	1.44	36.5	8.0	.15
4G-10FDHORX45	7100-95765	1/4	6.4	M18X1.5	—	22.0	.70	17.9	2.54	64.4	1.51	38.3	7.9	.19
6G-10FDHORX45	7100-96125	3/8	9.5	M18X1.5	—	22.0	.73	18.6	2.70	68.5	1.59	40.5	10.9	.21
6G-12FDHORX45	7100-91885	3/8	9.5	M20X1.5	—	24.0	.74	18.9	2.52	64.0	1.61	40.9	12.0	.25
8G-14FDHORX45	7100-94855	1/2	12.7	M22X1.5	—	27.0	1.11	28.3	3.40	86.4	2.13	54.0	14.0	.39
8G-16FDHORX45	7100-91945	1/2	12.7	M24X1.5	—	30.0	.85	21.6	3.19	81.0	1.91	48.5	16.0	.46
10G-20FDHORX45	7100-91965	5/8	15.9	M30X2.0	—	36.0	.98	24.9	3.36	85.4	2.19	55.7	20.0	.60
12G-25FDHORX45	7100-91985	3/4	19.1	M36X2.0	—	46.0	1.23	31.2	4.17	106.0	2.66	67.6	25.0	1.15

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



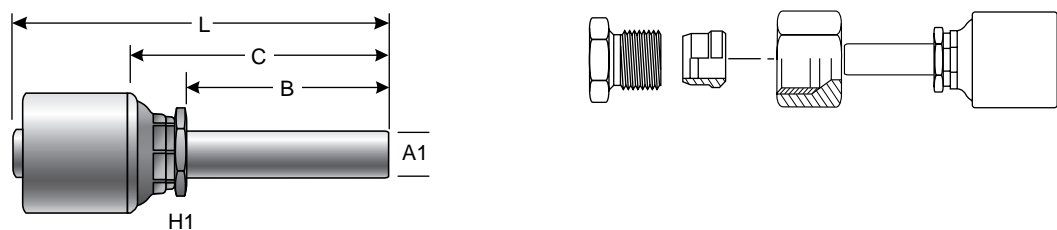
# MegaCrimp® Couplings

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube



Descr.	Prod. No.	⊖		M	H1	H2	T		L		C		A1	Weight
		"	mm				"	mm	"	mm	"	mm		
4G-8FDHORX90	7100-91695	1/4	6.4	M16X1.5	—	19.0	1.38	35.0	2.15	54.5	1.24	31.5	8.0	.19
4G-10FDHORX90	7100-92395	1/4	6.4	M18X1.5	—	22.0	1.44	36.5	2.15	54.5	1.24	31.5	10.0	.20
5G-12FDHORX90	7100-91755	5/16	7.9	M20X1.5	—	24.0	1.46	37.0	2.32	59.0	1.22	31.0	12.0	.26
5G-14FDHORX90	7100-94845	5/16	7.9	M22X1.5	—	27.0	1.57	40.0	2.15	54.6	1.22	31.0	14.0	.31
6G-10FDHORX90	7100-92425	3/8	9.5	M18X1.5	—	22.0	1.44	36.5	2.18	55.3	1.27	32.2	10.0	.15
6G-12FDHORX90	7100-91715	3/8	9.5	M20X1.5	—	24.0	1.46	37.0	2.18	55.3	1.27	32.2	12.0	.22
6G-14FDHORX90	7100-92465	3/8	9.5	M22X1.5	—	27.0	1.57	40.0	2.18	55.3	1.27	32.2	14.0	.35
8G-14FDHORX90	7100-13005	1/2	12.7	M22X1.5	—	27.0	2.01	51.0	3.11	79.0	1.64	41.6	14.0	.64
8G-16FDHORX90	7100-91775	1/2	12.7	M24X1.5	—	30.0	1.73	44.0	2.87	72.9	1.59	40.4	16.0	.46
10G-20FDHORX90	7100-91795	5/8	15.9	M30X2.0	—	36.0	2.01	51.0	3.00	76.3	1.83	46.6	20.0	.60
10G-25FDHORX90	7100-94825	5/8	15.9	M36X2.0	—	46.0	2.52	64.0	3.31	84.1	1.83	46.6	25.0	1.01
12G-20FDHORX90	7100-93035	3/4	19.1	M30X2.0	—	36.0	2.01	51.0	3.46	87.8	1.94	49.3	20.0	.89
12G-25FDHORX90	7100-91815	3/4	19.1	M36X2.0	—	46.0	2.52	64.0	3.73	94.8	2.22	56.3	25.0	1.20
16G-25FDHORX90	7100-94925	1	25.4	M36X2.0	—	46.0	2.99	76.0	5.43	137.8	3.19	81.0	25.0	1.80

## Metric Light Stand Pipe



Descr.	Prod. No.	⊖		H1	L		C		B		A1	Weight
		"	mm		"	mm	"	mm	"	mm		
4G-6MSP	7100-93355	1/4	6.4	1/2	2.46	62.5	1.44	36.5	.87	22.0	6.0	.10
4G-8MSP	7100-93365	1/4	6.4	1/2	2.46	62.5	1.44	36.5	.87	22.0	8.0	.11
4G-10MSP	7100-93375	1/4	6.4	1/2	2.54	64.5	1.52	38.5	.87	22.0	10.0	.12
6G-10MSP	7100-90325	3/8	9.5	5/8	2.62	66.5	1.52	38.6	.91	23.0	10.0	.26
6G-12MSP	7100-90005	3/8	9.5	5/8	2.62	66.5	1.52	38.6	.91	23.0	12.0	.15

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



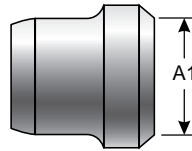


# MegaCrimp® Couplings

## Metric Light Stand Pipe - Cont'd

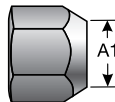
Descr.	Prod. No.	⊖		H1	L		C		B		A1	Weight
		"	mm	"	"	mm	"	mm	"	mm	mm	Lbs.
8G-15MSP	7100-90045	1/2	12.7	13/16	3.00	76.3	1.53	38.8	.98	25.0	15.0	.26
10G-18MSP	7100-93405	5/8	15.9	15/16	3.04	77.2	1.56	39.7	.98	25.0	18.0	.03
10G-22MSP	7100-95335	5/8	15.9	15/16	3.11	79.0	1.63	41.5	.98	25.0	22.0	.37
12G-18MSP	7100-95345	3/4	19.1	1 1/16	3.54	90.0	1.54	39.0	1.02	26.0	18.0	.45
12G-22MSP	7100-93465	3/4	19.1	1 1/16	3.67	93.2	1.66	42.2	1.10	28.0	22.0	.53
16G-28MSP	7100-95355	1	25.4	1 7/16	4.09	104.0	1.86	47.2	1.18	30.0	28.0	.45


## Metric Bite Sleeve



Descr.	Prod. No.	A1	Weight
		mm	Lbs.
6BS	7253-26815	6.0	.01
8BS	7253-26835	8.0	.23
10BS	7253-26855	10.0	.02
12BS	7253-26875	12.0	.01
14BS	7253-26895	14.0	.32
15BS	7253-26905	15.0	.01
16BS	7253-26915	16.0	.36
18BS	7253-26925	18.0	.02
20BS	7253-26935	20.0	.02
22BS	7253-26945	22.0	.02
25BS	7253-26955	25.0	.03
28BS	7253-26965	28.0	.48
30BS	7253-26975	30.0	.03
35BS	7253-26985	35.0	.05
38BS	7253-26995	38.0	.06
42BS	7253-27005	42.0	.06

## Metric Bite Nut




Descr.	Prod. No.		A1	Weight
			mm	Lbs.
6MNH	7253-27115	M14X1.5	6.0	.05
6MNL	7253-27105	M12X1.5	6.0	.13
8MNH	7253-27135	M16X1.5	8.0	.04
8MNL	7253-27125	M14X1.5	8.0	.03
10MNH	7253-27155	M18X1.5	10.0	.10

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

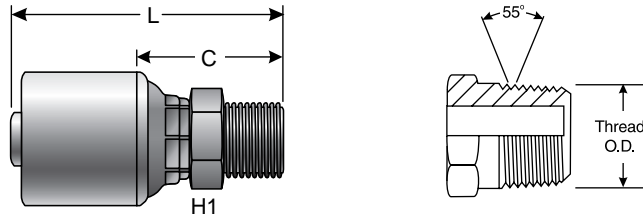



# MegaCrimp® Couplings

## Metric Bite Nut - Cont'd

Descr.	Prod. No.		A1	Weight
			mm	Lbs.
10MNL	7253-27145	M16X1.5	10.0	.05
12MNH	7253-27175	M20X1.5	12.0	.10
12MNL	7253-27165	M18X1.5	12.0	.05
14MNH	7253-27195	M22X1.5	14.0	.10
15MNL	7253-27185	M22X1.5	15.0	.05
16MNH	7253-27205	M24X1.5	16.0	.02
18MNL	7253-27215	M26X1.5	18.0	.15
20MNH	7253-27225	M30X1.5	20.0	.25
22MNL	7253-27235	M30X1.5	22.0	.20
25MNH	7253-27245	M36X1.5	25.0	.46
28MNL	7253-27255	M36X1.5	28.0	.20
30MNH	7253-27265	M42X1.5	30.0	.47
35MNL	7253-27275	M45X1.5	35.0	.30
38MNH	7253-27285	M52X1.5	38.0	.70
42MNL	7253-27295	M52X1.5	42.0	.48

## Male British Standard Pipe Tapered/Japanese Tapered Thread



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4G-4MBSPT	7100-91075	1/4	6.4	1/4-19	14.0	—	1.89	47.9	.97	24.8	.12
6G-6MBSPT	7100-91105	3/8	9.5	3/8-19	19.0	—	1.95	49.5	1.03	26.1	.02
8G-8MBSPT	7100-91125	1/2	12.7	1/2-14	22.0	—	2.49	63.4	1.22	30.9	.32
12G-12MBSPT	7100-91145	3/4	19.1	3/4-14	32.0	—	2.92	74.1	1.41	35.7	.20
16G-16MBSPT	7100-91155	1	25.4	1-11	36.0	—	3.44	87.5	1.64	41.6	.94

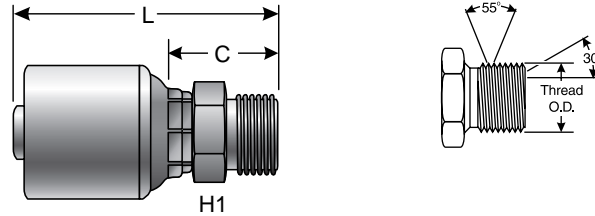
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS**
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS





# MegaCrimp® Couplings

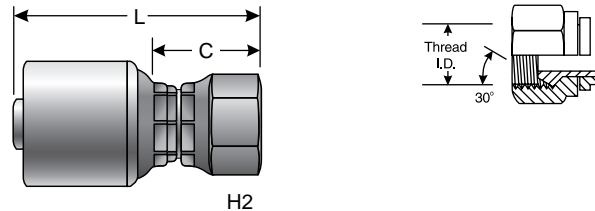
## Male British Standard Parallel Pipe



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		mm	mm	"	mm	"	mm	
4G-4MBSPP	7100-15515	1/4	6.4	1/4-19	19.0	—	2.03	51.5	1.00	25.5	.17
6G-4MBSPP	7100-98255	3/8	9.5	1/4-19	19.0	—	2.05	52.0	.95	24.1	.16
6G-6MBSPP	7100-15525	3/8	9.5	3/8-19	22.0	—	2.17	55.0	1.07	27.1	.21
6G-8MBSPP	7100-15535	3/8	9.5	1/2-14	27.0	—	2.36	60.0	1.26	32.1	.25
8G-6MBSPP	7100-93245	1/2	12.7	3/8-19	22.0	—	2.30	58.5	1.02	26.0	.25
8G-8MBSPP	7100-05545	1/2	12.7	1/2-14	27.0	—	2.72	69.0	1.24	31.5	.32
10G-10MBSPP	7100-05555	5/8	15.9	5/8-14	30.0	—	2.89	73.5	1.42	36.0	.40
12G-12MBSPP	7100-05565	3/4	19.1	3/4-14	32.0	—	3.35	85.0	1.34	34.0	.59
16G-16MBSPP	7100-05575	1	25.4	1-11	41.0	—	3.98	101.0	1.74	44.2	1.14
20G-20MBSPP	7100-05585	1 1/4	31.8	1 1/4-11	50.0	—	4.33	110.0	2.01	51.0	1.68

## Female British Standard Parallel Pipe O-Ring Swivel


Includes O-Ring sealing in flare.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		mm	mm	"	mm	"	mm	
4G-2FBSPX	7100-93285	1/4	6.4	1/8-28	—	14.0	1.62	41.1	.71	18.0	.10
4G-4FBSPORX	7100-94175	1/4	6.4	1/4-19	—	19.0	1.89	48.0	.87	22.0	.15
4G-6FBSPORX	7100-94185	1/4	6.4	3/8-19	—	22.0	2.05	52.0	1.02	26.0	.02
5G-6FBSPORX	7100-94195	5/16	7.9	3/8-19	—	22.0	2.13	54.0	1.02	26.0	.02
5G-8FBSPORX	7100-94205	5/16	7.9	1/2-14	—	27.0	2.16	54.8	1.06	26.8	.02
6G-6FBSPORX	7100-94215	3/8	9.5	3/8-19	—	22.0	2.09	53.2	1.00	25.3	.21
6G-8FBSPORX	7100-94225	3/8	9.5	1/2-14	—	27.0	2.15	54.7	1.06	26.8	.25
8G-6FBSPORX	7100-94235	1/2	12.7	3/8-19	—	22.0	2.62	66.5	1.14	29.0	.03
8G-8FBSPORX	7100-94245	1/2	12.7	1/2-14	—	27.0	2.53	64.2	1.05	26.7	.30
8G-10FBSPORX	7100-94255	1/2	12.7	5/8-14	—	30.0	2.68	68.0	1.20	30.5	.04
10G-10FBSPORX	7100-94265	5/8	15.9	5/8-14	—	30.0	2.70	68.5	1.22	31.0	.40
10G-12FBSPORX	7100-94275	5/8	15.9	3/4-14	—	32.0	2.74	69.5	1.26	32.0	.04
12G-12FBSPORX	7100-94285	3/4	19.1	3/4-14	—	32.0	3.27	83.0	1.26	32.0	.58

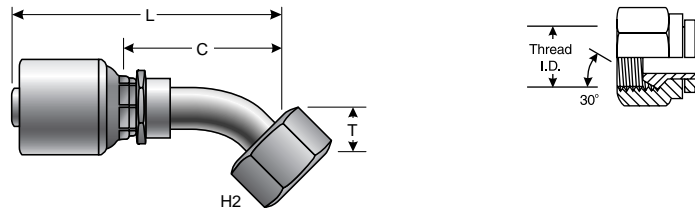
# MegaCrimp® Couplings


## Female British Standard Parallel Pipe O-Ring Swivel - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
12G-16FBSPORX	7100-94295	3/4	19.1	1-11	—	41.0	3.43	87.0	1.42	36.0	.08
16G-16FBSPORX	7100-94305	1	25.4	1-11	—	41.0	3.78	96.0	1.54	39.2	1.10
20G-20FBSPORX	7100-95235	1 1/4	31.8	1 1/4-11	—	50.0	3.48	88.5	1.16	29.5	1.53

## Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube

Includes O-Ring sealing in flare.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight
		"	mm				"	mm	"	mm	"	mm	
4G-4FBSPORX45	7100-91445	1/4	6.4	1/4-19	—	19.0	.46	11.6	2.13	54.0	1.22	31.1	.02
6G-6FBSPORX45	7100-91475	3/8	9.5	3/8-19	—	22.0	.61	15.4	2.64	67.1	1.54	39.1	.22
6G-8FBSPORX45	7100-91485	3/8	9.5	1/2-14	—	27.0	.76	19.3	2.60	66.1	1.69	43.0	.25
8G-8FBSPORX45	7100-91495	1/2	12.7	1/2-14	—	27.0	.67	17.0	3.01	76.5	1.73	44.0	.18
10G-10FBSPORX45	7100-91505	5/8	15.9	5/8-14	—	30.0	.84	21.3	3.22	81.8	2.05	52.1	.50
12G-12FBSPORX45	7100-91525	3/4	19.1	3/4-14	—	32.0	1.11	28.3	4.05	102.9	2.54	64.4	.56
16G-16FBSPORX45	7100-91535	1	25.4	1-11	—	41.0	1.22	30.9	4.87	123.6	3.10	78.8	1.20
20G-20FBSPORX45	7100-92715	1 1/4	31.8	1 1/4-11	—	50.0	1.48	37.5	5.50	139.6	3.68	93.4	2.20

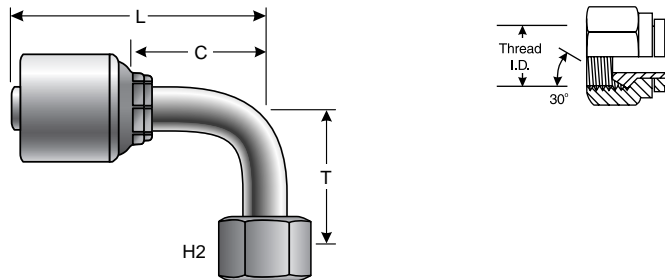
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# MegaCrimp® Couplings

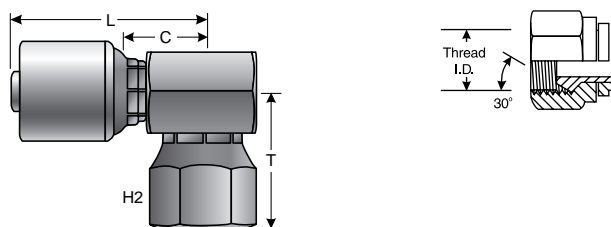
## Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube

Includes O-Ring sealing in flare.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
4G-4FBSPORX90	7100-91545	1/4	6.4	1/4-19	—	19.0	.93	23.5	1.94	49.4	1.04	26.5	.18
6G-6FBSPORX90	7100-91575	3/8	9.5	3/8-19	—	22.0	1.26	32.0	2.44	61.9	1.34	34.0	.18
6G-8FBSPORX90	7100-91585	3/8	9.5	1/2-14	—	27.0	1.48	37.5	2.18	55.3	1.27	32.2	.30
8G-8FBSPORX90	7100-96585	1/2	12.7	1/2-14	—	27.0	1.47	37.3	3.07	78.0	1.59	40.5	.36
8G-10FBSPORX90	7100-93145	1/2	12.7	5/8-14	—	30.0	1.81	46.0	3.21	81.5	1.73	44.0	.45
10G-10FBSPORX90	7100-91605	5/8	15.9	5/8-14	—	30.0	1.81	46.0	3.00	76.3	1.83	46.6	.46
12G-12FBSPORX90	7100-91625	3/4	19.1	3/4-14	—	32.0	2.36	60.0	3.72	94.5	2.20	56.0	.80
16G-16FBSPORX90	7100-91635	1	25.4	1-11	—	41.0	2.76	70.0	4.69	119.2	2.93	74.3	1.48
20G-20FBSPORX90	7100-91645	1 1/4	31.8	1 1/4-11	—	50.0	3.15	80.0	5.07	128.8	3.26	82.8	2.35

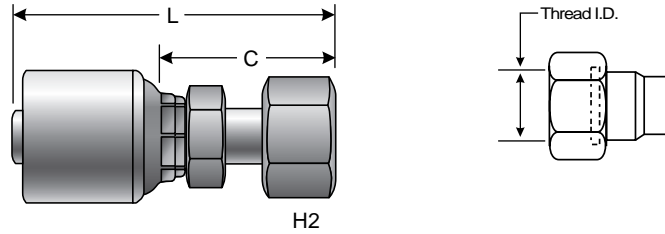
## Female British Standard Parallel Pipe O-Ring Swivel - 90° Block



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
4G-4FBSPORX90BL	7100-91825	1/4	6.4	1/4-19	—	19.0	.71	18.0	1.74	44.2	.72	18.2	.20
6G-6FBSPORX90BL	7100-91835	3/8	9.5	3/8-19	—	22.0	.83	21.0	1.71	43.5	.79	20.0	.35
8G-8FBSPORX90BL	7100-91845	1/2	12.7	1/2-14	—	27.0	.94	24.0	2.20	55.9	.93	23.5	.55
16G-16FBSPORX90BL	7100-92585	1	25.4	1-11	—	41.0	1.42	36.1	3.17	80.5	1.36	34.6	1.86

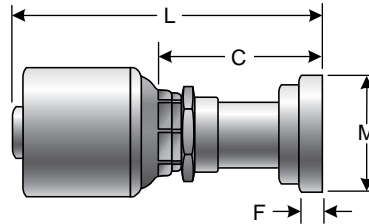
# MegaCrimp® Couplings

## Female British Flat-Face Swivel



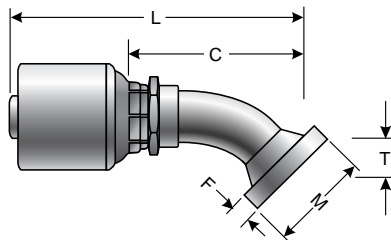
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
6G-6FBFFX	7100-93715	3/8	9.5	3/8-19	—	22.0	1.81	46.0	.71	18.1	.02
6G-8FBFFX	7100-93725	3/8	9.5	1/2-14	—	27.0	1.79	45.5	.69	17.6	.28
8G-8FBFFX	7100-93735	1/2	12.7	1/2-14	—	27.0	2.19	55.5	.71	18.0	.36
8G-12FBFFX	7100-93745	1/2	12.7	3/4-14	—	32.0	2.07	52.5	.59	15.0	.40

## Komatsu O-Ring Flange - Straight



Descr.	Prod. No.	⊖		M		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
8G-10FLK	7100-03805	1/2	12.7	1.35	34.3	3.15	80.0	1.67	42.5	.27	6.9	.45
10G-10FLK	7100-03825	5/8	15.9	1.35	34.3	4.69	119.0	3.21	81.5	.27	6.9	.48

## Komatsu O-Ring Flange - 45° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
10G-10FLK45	7100-04155	5/8	15.9	1.35	34.3	1.02	26.0	4.19	106.5	2.72	69.0	.27	6.9	.51

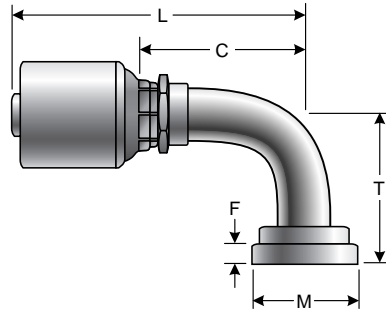
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## MegaCrimp® Couplings

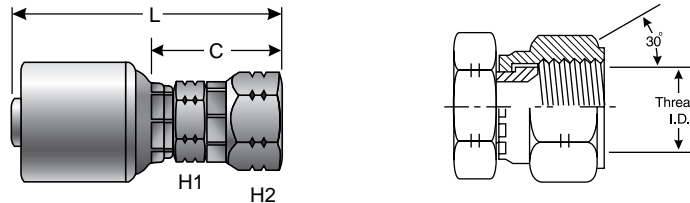
### Komatsu O-Ring Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
10G-10FLK90	7100-04475	5/8	15.9	1.35	34.3	2.17	55.0	3.90	99.0	2.42	61.5	.27	6.9	.55

### Female Komatsu Style Japanese Metric Swivel

These female swivels have been marked with two small notches on the hex to identify them as the Komatsu style.

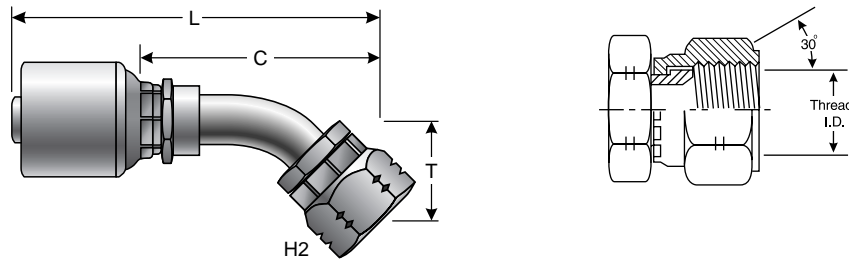


Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	Lbs.
4G-4FKX	7100-03625	1/4	6.4	M14X1.5	14.0	19.0	2.35	59.7	1.33	33.7	.17
4G-6FKX	7100-03635	1/4	6.4	M18X1.5	14.0	24.0	2.44	62.0	1.42	36.0	.22
6G-6FKX	7100-03645	3/8	9.5	M18X1.5	17.0	24.0	2.52	64.0	1.42	36.1	.25
8G-8FKX	7100-03655	1/2	12.7	M22X1.5	22.0	27.0	3.07	78.1	1.60	40.6	.39
10G-10FKX	7100-03665	5/8	15.9	M24X1.5	24.0	32.0	3.21	81.5	1.73	44.0	.52
12G-12FKX	7100-03675	3/4	19.1	M30X1.5	30.0	36.0	3.95	100.3	1.94	49.3	.78
16G-16FKX	7100-03685	1	25.4	M33X1.5	41.0	41.0	4.57	116.0	2.33	59.2	1.40

# MegaCrimp® Couplings

## Female Komatsu Style Japanese Metric Swivel - 45° Bent Tube

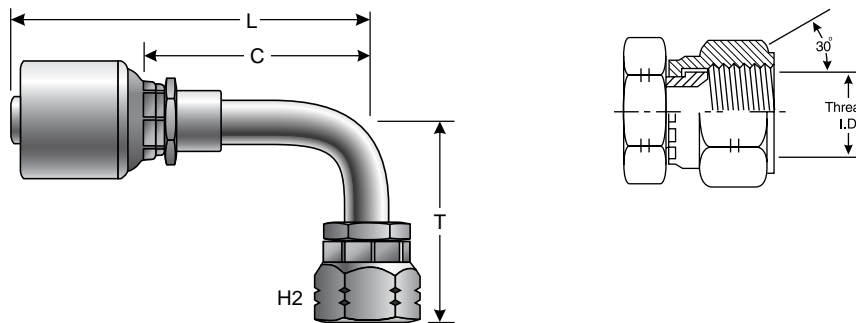
These female swivels have been marked with two small notches on the hex to identify them as the Komatsu style.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		mm	mm	"	mm	"	mm	"	mm	
4G-4FKX45	7100-03035	1/4	6.4	M14X1.5	—	19.0	.75	19.0	2.93	74.3	1.90	48.3	.11
6G-6FKX45	7100-03045	3/8	9.5	M18X1.5	—	24.0	1.10	28.0	3.64	92.4	2.54	64.4	.27
8G-8FKX45	7100-03055	1/2	12.7	M22X1.5	—	27.0	.71	18.0	3.85	97.7	2.37	60.3	.46
10G-10FKX45	7100-03065	5/8	15.9	M24X1.5	—	32.0	1.10	28.0	4.70	119.3	3.22	81.8	.66
12G-12FKX45	7100-03075	3/4	19.1	M30X1.5	—	36.0	1.18	30.0	5.64	143.2	3.63	92.2	.97

## Female Komatsu Style Japanese Metric Swivel - 90° Bent Tube

These female swivels have been marked with two small notches on the hex to identify them as the Komatsu style.



Descr.	Prod. No.	⊖		🌀	H1	H1	H2	H2	T		L		C		Weight Lbs.
		"	mm		"	mm	"	mm	"	mm	"	mm	"	mm	
4G-4FKX90	7100-03125	1/4	6.4	M14X1.5	—	—	—	19.0	1.50	38.0	2.47	62.7	1.44	36.7	.19
6G-6FKX90	7100-03135	3/8	9.5	M18X1.5	—	—	—	24.0	1.10	28.0	2.72	69.1	1.62	41.2	.28
8G-8FKX90	7100-03145	1/2	12.7	M22X1.5	—	—	—	27.0	1.38	35.0	3.63	92.2	2.15	54.7	.44
10G-10FKX90	7100-06795	5/8	15.9	M24X1.5	15/16	—	1 1/4	—	2.57	65.3	3.43	87.0	1.95	49.5	.69
12G-12FKX90	7100-03165	3/4	19.1	M30X1.5	—	—	—	36.0	2.48	63.0	5.33	135.5	3.33	84.5	1.04

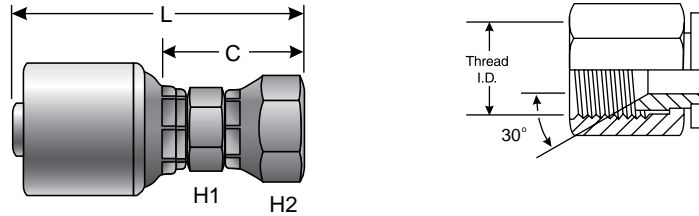
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS






# MegaCrimp® Couplings

## Female Japanese Industrial Standard Swivel



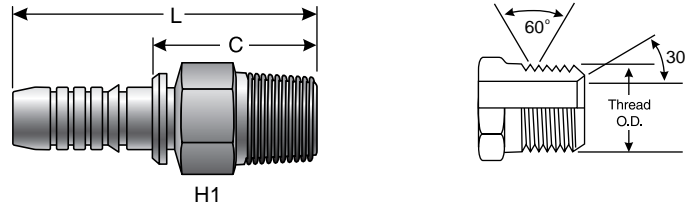
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
4G-4FJISX	7100-03305	1/4	6.4	1/4-19	14.0	19.0	2.32	59.0	1.30	33.0	.17
6G-6FJISX	7100-03325	3/8	9.5	3/8-19	17.0	22.0	2.46	62.5	1.36	34.6	.22
8G-8FJISX	7100-03345	1/2	12.7	1/2-14	22.0	27.0	3.15	79.9	1.67	42.4	.41
12G-12FJISX	7100-03365	3/4	19.1	3/4-14	30.0	36.0	3.79	96.3	1.78	45.3	.81
16G-16FJISX	7100-03385	1	25.4	1-11	41.0	41.0	4.28	108.6	2.04	51.8	1.02
20G-20FJISX	7100-03405	1 1/4	31.8	1 1/4-11	50.0	50.0	4.89	124.1	2.56	65.1	1.89

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
<b>MEGACRIMP COUPLINGS</b>
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



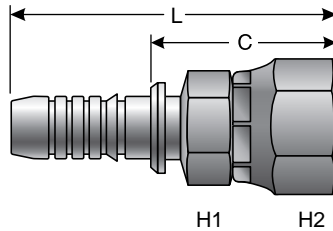
# Stainless Steel Couplings

## Male Pipe (NPTF - 30° Cone Seat) "S" Series



Descr.	Prod. No.	⊖		🌀	H1	H1	H2	H2	L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	Lbs.
6S-6MP-SS	7362-00285	3/8	9.5	3/8-18	.68	17.3	—	—	2.24	56.9	1.22	31.0	.11
8S-8MP-SS	7362-00305	1/2	12.7	1/2-14	.87	22.2	—	—	1.22	31.0	1.43	36.3	.19
12S-12MP-SS	7362-00335	3/4	19.1	3/4-14	1.06	27.0	—	—	3.54	90.0	1.54	39.0	.35
16S-16MP-SS	7362-00365	1	25.4	1-11 1/2	1.37	34.8	—	—	4.17	106.0	1.94	49.2	.56
20S-20MP-SS	7362-00395	1 1/4	31.8	1 1/4-11 1/2	1.81	46.0	—	—	4.94	125.5	2.19	55.6	1.16

## Female JIC 37° Flare Swivel "S" Series



Descr.	Prod. No.	⊖		🌀	H1	H1	H2	H2	L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	Lbs.
6S-6FJX-SS	7362-01245	3/8	9.5	9/16-18	.69	17.5	.75	19.1	2.23	56.6	1.21	30.8	.11
8S-8FJSX-SS	7362-01275	1/2	12.7	3/4-16	.88	22.4	.88	22.4	2.84	72.1	1.36	34.5	.17
10S-10FJX-SS	7362-01295	5/8	15.9	7/8-14	.94	23.9	1.06	26.9	3.61	91.6	1.63	41.3	.29
12S-12FJX-SS	7362-01325	3/4	19.1	1 1/16-12	1.06	26.9	1.25	31.8	3.91	99.3	1.99	50.6	.42
16S-16FJX-SS	7362-01385	1	25.4	1 3/16-12	1.38	35.0	1.50	38.1	4.35	110.4	2.11	53.6	.63

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
<b>STAINLESS STEEL</b>
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

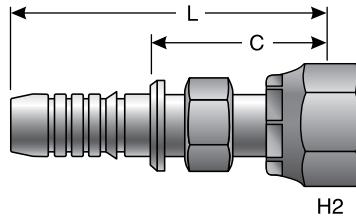







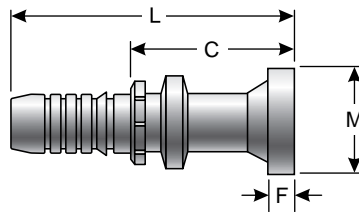
# Stainless Steel Couplings

## Female Flat-Face O-Ring Swivel Metric Hex "S" Series



Descr.	Prod. No.	⊖			H1	H1	H2	H2	L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	Lbs.
6S-6FFORX-SS	7362-03265	3/8	9.5	11/16-16	.75	19.0	.87	22.0	2.65	67.5	1.26	32.0	—
8S-8FFORX-SS	7362-03275	1/2	12.7	13/16-16	.91	23.0	.94	24.0	2.91	74.0	1.43	36.4	—
10S-10FFORX-SS	7362-03295	5/8	15.9	1-14	1.06	27.0	1.18	30.0	3.68	93.5	1.70	43.2	—
12S-12FFORX-SS	7362-03315	3/4	19.1	1 3/16-12	1.18	30.0	1.41	36.0	3.70	94.0	1.69	43.0	—
20S-20FFORX-SS	7362-03355	1 1/4	31.8	1 11/16-12	1.81	46.0	1.96	50.0	5.27	134.0	2.53	64.2	—
24S-24FFORX-SS	7362-03375	1 1/2	38.1	2-12	1.97	50.0	2.36	60.0	6.06	154.0	2.54	64.5	—

## Code 62 O-Ring Flange Heavy "S" Series

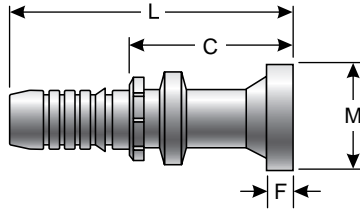


Descr.	Prod. No.	⊖		M		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12S-12FLH-SS	7362-04105	3/4	19.1	1.62	41.2	4.48	113.8	2.48	63.0	.35	8.9	.53
16S-16FLH-SS	7362-04135	1	25.4	1.88	47.8	4.92	125.0	2.68	68.1	.38	9.7	.81
20S-20FLH-SS	7362-04155	1 1/4	31.8	2.12	53.9	5.75	146.1	3.00	76.2	.41	10.4	1.46
24S-24FLH-SS	7362-04165	1 1/2	38.1	2.12	53.9	7.14	181.6	3.62	92.1	.41	10.4	2.18
32S-32FLH-SS	7362-04195	2	50.8	3.12	79.3	7.24	183.9	3.42	86.9	.50	12.7	4.10



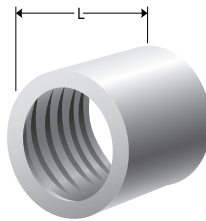
# Stainless Steel Couplings

## Code 61 O-Ring Flange "S" Series



Descr.	Prod. No.	⊖		M		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12S-12FL-SS	7362-04375	3/4	19.1	1.50	38.1	4.33	110.0	2.32	59.0	.26	6.6	.48
16S-16FL-SS	7362-04405	1	25.4	1.75	44.5	4.80	122.0	2.57	65.2	.31	7.9	.73
20S-20FL-SS	7362-04435	1 1/4	31.8	2.00	50.8	5.43	138.0	2.69	68.2	.31	7.9	1.23

## Non-Skive Ferrules "S" Series



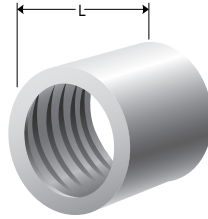
Descr.	Prod. No.	⊖		L		Weight
		"	mm	"	mm	Lbs.
6S1F-4SS	7362-51445	3/8	9.5	1.10	28.0	.13
8S1F-4SS	7362-51345	1/2	12.7	1.50	38.1	.19
10S1F-2SS	7362-51755	5/8	15.9	1.40	35.6	.14
10S1F-4SS	7362-51485	5/8	15.9	1.88	47.8	.32
12S1F-2SS	7362-51585	3/4	19.1	1.73	44.0	.26
12S1F-4SS	7362-51495	3/4	19.1	2.00	50.8	.43
16S1F-2SS	7362-51595	1	25.4	2.06	52.2	.37
16S1F-4SS	7362-51525	1	25.4	2.22	56.4	.59
20S1F-4SS	7362-51535	1 1/4	31.8	2.67	67.8	.77
20S1F-6SS	7362-51625	1 1/4	31.8	2.87	72.9	1.12

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
<b>STAINLESS STEEL</b>
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



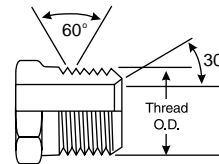
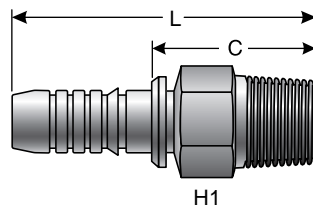
# Stainless Steel Couplings

## Skive Ferrules "S" Series



Descr.	Prod. No.	⊖		L		Weight Lbs.
		"	mm	"	mm	
24S2F-6SS	7362-51655	1 1/2	38.1	3.53	89.7	1.60
32S2F-6SS	7362-51685	2	50.8	3.68	93.5	2.42

## Male Pipe (NPTF - 30° Cone Seat) "B" Series

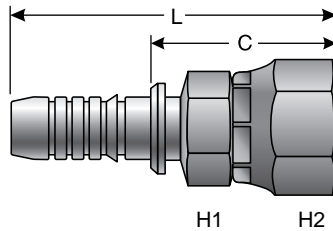



Descr.	Prod. No.	⊖		⌀	H1		H2		L		C		Weight Lbs.
		"	mm		"	mm	"	mm	"	mm	"	mm	
4B-4MP-SS	7362-00245	1/4	6.4	1/4-18	.56	14.3	—	—	2.16	54.9	1.14	29.0	.01
6B-6MP-SS	7362-00275	3/8	9.5	3/8-18	.68	17.5	—	—	2.32	58.9	1.22	31.0	.11
8B-8MP-SS	7362-00295	1/2	12.7	1/2-14	.88	—	—	—	2.89	73.4	1.46	37.1	.18
12B-12MP-SS	7362-00325	3/4	19.1	3/4-14	1.06	27.0	—	—	3.21	81.5	1.51	38.4	.29
16B-16MP-SS	7362-00355	1	25.4	1-11 1/2	1.38	35.0	—	—	3.62	91.9	1.91	48.6	.52
20B-20MP-SS	7362-00385	1 1/4	31.8	1 1/4-11 1/2	1.75	44.5	—	—	4.44	113.0	2.14	54.6	1.06
24B-24MP-SS	7362-00405	1 1/2	38.1	1 1/2-11 1/2	2	50.8	—	—	5.24	133.1	2.34	59.4	2.00
32B-32MP-SS	7362-00425	2	50.8	2-11 1/2	2.50	63.5	—	—	6.05	153.7	2.43	61.7	—

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
<b>STAINLESS STEEL</b>
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

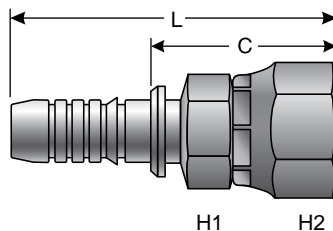
# Stainless Steel Couplings


## Female JIC 37° Flare Swivel "B" Series



Descr.	Prod. No.	⊖			H1	H1	H2	H2	L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	Lbs.
6B-6FJX-SS	7362-01225	3/8	9.5	9/16-18	.62	15.8	.75	19.1	2.35	59.7	1.26	31.8	.11
12B-12FJX-SS	7362-01315	3/4	19.1	1 1/16-12	1.06	26.9	1.25	31.8	3.41	86.6	1.71	43.4	.03
16B-16FJX-SS	7362-01375	1	25.4	1 5/16-12	1.37	34.8	1.50	38.1	3.66	92.9	1.95	49.5	.55
20B-20FJX-SS	7362-01405	1 1/4	31.8	1 5/8-12	1.88	47.6	2.00	50.8	4.72	119.9	2.42	61.5	—
24B-24FJX-SS	7362-01435	1 1/2	38.1	1 7/8-12	2.00	50.8	2.25	57.1	5.39	136.9	2.50	63.5	—
32B-32FJX-SS	7362-01465	2	50.8	2 1/2-12	2.75	69.8	3.00	76.2	6.48	164.6	2.86	72.6	—

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel "B" Series



Descr.	Prod. No.	⊖			H1	H1	H2	H2	L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	Lbs.
4B-4FJSX-SS	7362-01205	1/4	6.4	7/16-20	.50	12.7	.56	14.2	2.24	57.0	1.21	30.9	.07
8B-8FJSX-SS	7362-01265	1/2	12.7	3/4-16	.81	20.6	.87	22.1	2.82	71.6	1.38	35.1	.16
10B-10FJSX-SS	7362-01285	5/8	15.9	7/8-14	.93	23.6	1.06	26.9	3.06	77.7	1.61	41.4	.25

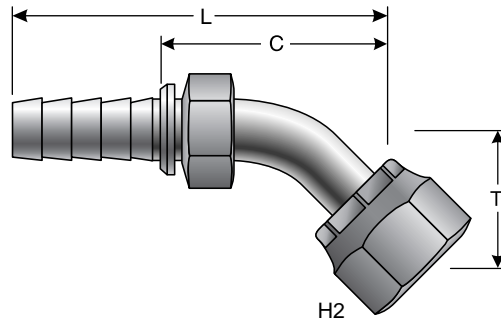
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
<b>STAINLESS STEEL</b>
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





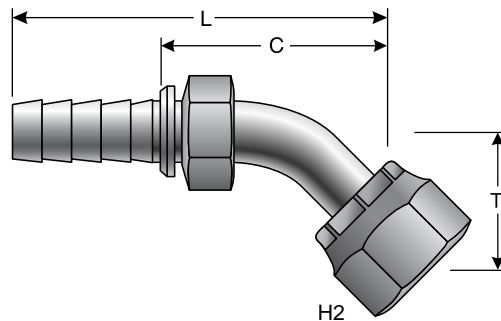
## Stainless Steel Couplings

### Female JIC 37° Flare Swivel 45° Bent Tube "B" Series



Descr.	Prod. No.	⊖			H1	H1	H2	H2	T		L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
6B-6FJX45S-SS	7362-11235	3/8	9.5	9/16-18	—	—	.75	19.1	.43	11.0	2.94	74.6	1.84	46.7	.11
12B-12FJX45S-SS	7362-11345	3/4	19.1	1 1/16-12	—	—	1.25	31.8	.83	21.0	5.27	133.8	3.56	90.4	.50

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel 45° Bent Tube "B" Series



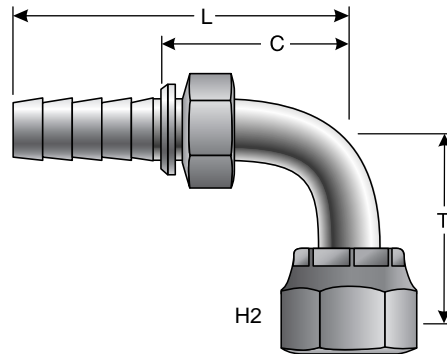
Descr.	Prod. No.	⊖			H1	H1	H2	H2	T		L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
4B-4FJSX45S-SS	7362-11205	1/4	6.4	7/16-20	—	—	.56	14.2	.39	10.0	2.59	65.7	1.56	39.6	.06
8B-8FJSX45S-SS	7362-11285	1/2	12.7	3/4-16	—	—	.88	22.4	.59	15.0	3.65	92.7	2.22	56.4	.19
10B-10FJSX45S-SS	7362-11305	5/8	15.9	7/8-14	—	—	1.06	26.9	.63	16.0	4.04	102.6	2.60	66.1	.22

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
<b>STAINLESS STEEL</b>
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



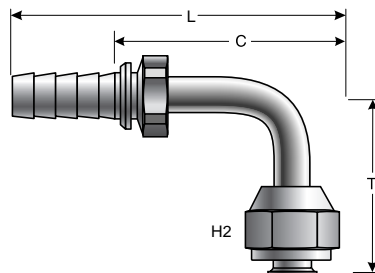
# Stainless Steel Couplings

## Female JIC 37° Flare Swivel 90° Bent Tube "B" Series



Descr.	Prod. No.	⊖		🌀	H1	H1	H2	H2	T		L		C		Weight Lbs.
		"	mm		"	mm	"	mm	"	mm	"	mm	"	mm	
6B-6FJX90M-SS	7362-21265	3/8	9.5	9/16-18	—	—	.75	19.1	1.50	38.0	2.13	54.1	1.03	26.2	.12
12B-12FJX90M-SS	7362-21455	3/4	19.1	1 1/16-12	—	—	1.25	31.8	2.28	57.9	3.81	96.8	2.11	53.5	.50
16B-16FJX90M-SS	7362-21555	1	25.4	1 5/16-12	—	—	1.50	38.1	2.80	71.0	4.37	110.9	2.66	67.6	.78

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel 90° Bent Tube "B" Series



Descr.	Prod. No.	⊖		🌀	H1	H1	H2	H2	T		L		C		Weight Lbs.
		"	mm		"	mm	"	mm	"	mm	"	mm	"	mm	
4B-4FJSX90M-SS	7362-21215	1/4	6.4	7/16-20	—	—	.56	14.2	1.26	32.0	1.92	48.9	.90	22.9	.07
8B-8FJSX90M-SS	7362-21355	1/2	12.7	3/4-16	—	—	.87	22.1	1.61	41.0	2.83	72.0	1.40	35.6	.22
10B-10FJSX90M-SS	7362-21405	5/8	15.9	7/8-14	—	—	1.06	26.9	1.85	47.0	3.06	77.7	1.62	41.2	.24

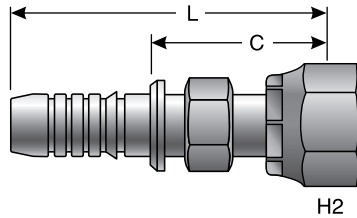
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
<b>STAINLESS STEEL</b>
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS






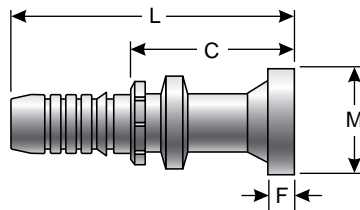
# Stainless Steel Couplings

## Female Flat-Face O-Ring Swivel Metric Hex "B" Series



Descr.	Prod. No.	⊖			H1	H1	H2	H2	L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	Lbs.
4B-4FFORX-SS	7362-03045	1/4	6.4	9/16-18	.55	14.0	.67	17.0	2.14	54.5	1.11	28.4	.07
8B-8FFORX-SS	7362-03085	1/2	12.7	13/16-16	.87	22.2	.87	24.0	2.89	73.4	1.46	37.1	—
10B-10FFORX-SS	7362-03105	5/8	15.9	1-14	.94	24.0	1.18	30.0	3.09	78.5	1.66	42.1	—
12B-12FFORX-SS	7362-03125	3/4	19.1	1 3/16-12	1.18	30.0	1.42	36.0	3.42	87.0	1.72	43.7	—
16B-16FFORX-SS	7362-03145	1	25.4	1 7/16-12	1.42	36.0	1.61	—	3.97	101.0	2.27	57.7	—
20B-20FFORX-SS	7362-03165	1 1/4	31.8	1 11/16-12	1.81	46.0	1.97	41.0	4.88	124.0	2.58	65.6	—
24B-24FFORX-SS	7362-03185	1 1/2	38.1	2-12	1.97	50.0	2.36	60.0	5.51	140.0	2.61	66.4	—

## Code 61 O-Ring Flange "B" Series



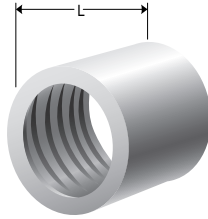
Descr.	Prod. No.	⊖		M		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
24B-24FL-SS	7362-04475	1 1/2	38.1	2.36	59.9	5.89	149.6	2.99	75.9	.31	7.9	1.65
32B-32FL-SS	7362-04205	2	50.8	2.81	71.4	6.27	159.3	2.65	67.3	.36	9.1	2.54

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
<b>STAINLESS STEEL</b>
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Stainless Steel Couplings

## Non-Skive Ferrule "B" Series



Descr.	Prod. No.	⊖		L		Weight
		"	mm	"	mm	Lbs.
4B1F-1SS	7362-51305	1/4	6.4	1.25	31.8	.07
4B1F-2SS	7362-51415	1/4	6.4	1.04	26.3	.06
6B1F-1SS	7362-51425	3/8	9.5	1.20	30.5	.08
6B1F-2SS	7362-51435	3/8	9.5	1.20	30.5	.09
8B1F-1SS	7362-51465	1/2	12.7	1.47	37.3	.15
10B1F-1SS	7362-51475	5/8	15.9	1.47	37.3	.15
12B1F-1SS	7362-51505	3/4	19.1	1.69	42.9	.29
16B1F-1SS	7362-51515	1	25.4	1.69	42.9	.40
20B1F-1SS	7362-51545	1 1/4	31.8	2.41	61.2	.63
24B1F-2SS	7362-51665	1 1/2	38.1	2.98	75.8	1.07
24B1F-4SS	7362-51675	1 1/2	38.1	3.01	76.5	1.34
32B1F-2SS	7362-51705	2	50.8	3.54	90.0	1.73
32B1F-4SS	7362-51725	2	50.8	3.58	91.0	2.01

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
<b>STAINLESS STEEL</b>
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





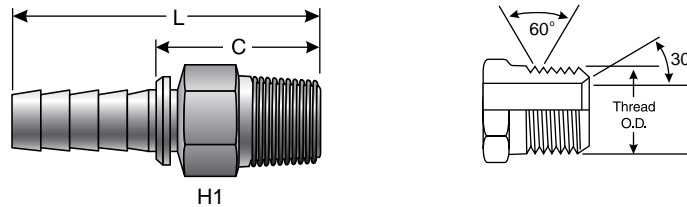



## Notes



# Power Crimp® Couplings

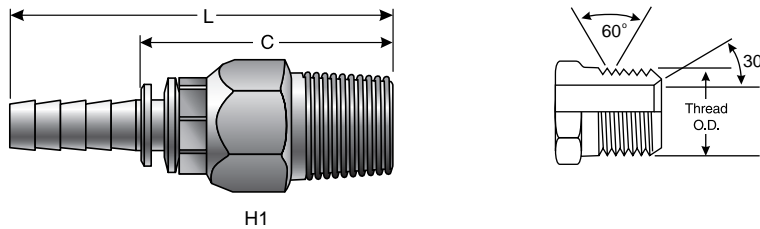
## Male Pipe (NPTF - 30° Cone Seat)




Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
3-2MP	7334-36215	3/16	4.8	1/8-27	1/2	—	2.03	51.6	.94	23.9	.04
3-4MP	7334-36245	3/16	4.8	1/4-18	9/16	—	2.22	56.4	1.13	28.7	.06

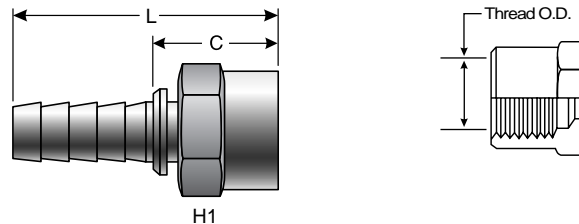
## Male Pipe Swivel (NPTF - Without 30° Cone Seat)


NOT TO BE USED AS A LIVE SWIVEL.



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
3-2MPX	7334-36335	3/16	4.8	1/8-27	1/2	—	2.40	61.0	1.31	33.3	.06

## Female Pipe (NPTF - Without 30° Cone Seat)



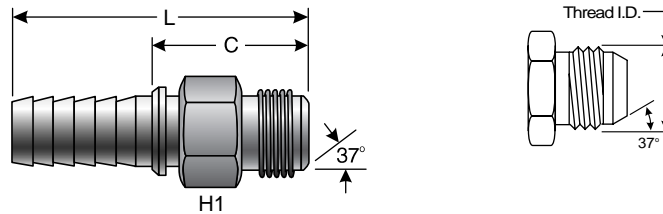
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
3-2FP	7334-36225	3/16	4.8	1/8-27	9/16	—	1.85	47.0	.76	19.3	.04

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
<b>POWER CRIMP COUPLINGS</b>
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



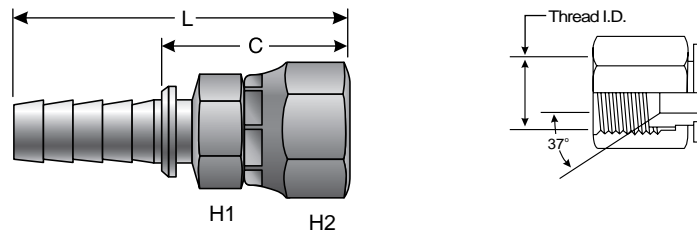
# Power Crimp® Couplings

## Male JIC 37° Flare



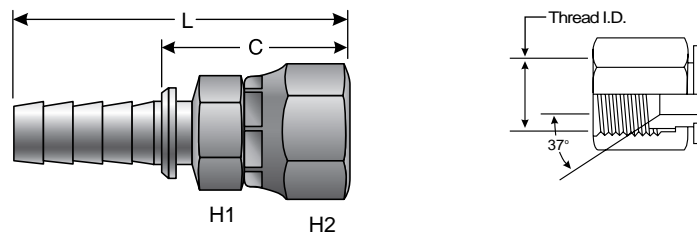
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
3-4MJ	7334-36235	3/16	4.8	7/16-20	1/2	—	2.09	53.1	1.00	25.4	.04

## Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
3-3FJX	7334-36315	3/16	4.8	3/8-24	1/2	9/16	2.20	55.9	1.11	28.2	.06
3-4FJX	7334-36325	3/16	4.8	7/16-20	1/2	9/16	2.21	56.1	1.12	28.5	.06

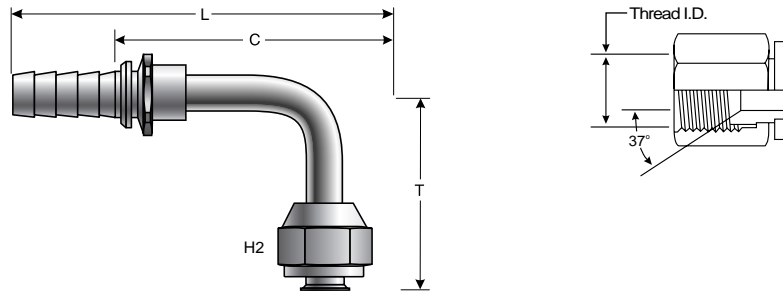
## Female JIC 45° Flare Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
3C2-4FJX45S	7303-01005	3/16	4.8	7/16-20	1/2	9/16	2.80	71.1	1.71	43.4	.07

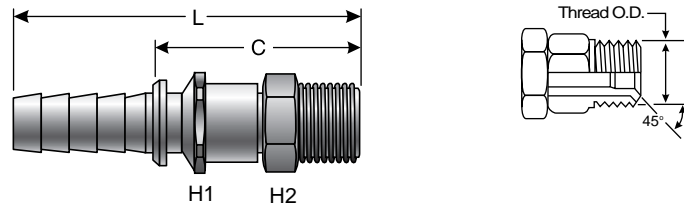
# Power Crimp® Couplings

## Female JIC 37° Flare Swivel - 90° Bent Tube



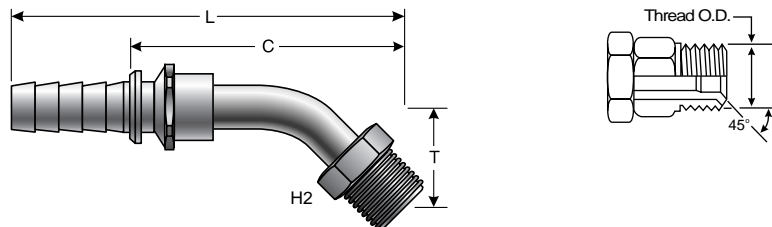
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
3C2-4FJX90S	7303-01505	3/16	4.8	7/16-20	—	9/16	.68	17.3	2.54	64.5	1.45	36.8	.09

## SAE Male Inverted Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
3C2-3MIX	7303-02995	3/16	4.8	3/8-24	1/2	3/8	2.67	67.8	1.58	40.1	.06

## SAE Male Inverted Swivel - 45° Bent Tube



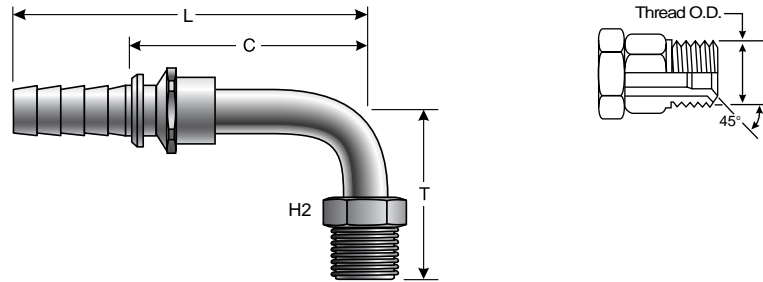
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
3C2-3MIX45S	7303-03205	3/16	4.8	3/8-24	—	3/8	.58	14.7	2.78	70.6	1.69	42.9	.06

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
<b>POWER CRIMP COUPLINGS</b>
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



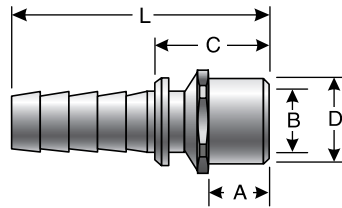
# Power Crimp® Couplings

## SAE Male Inverted Swivel - 90° Bent Tube



Descr.	Prod. No.	⌀		Thread	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
3C2-3MIX90S	7303-03495	3/16	4.8	3/8-24	—	3/8	1.05	26.7	2.42	61.5	1.33	33.8	.06

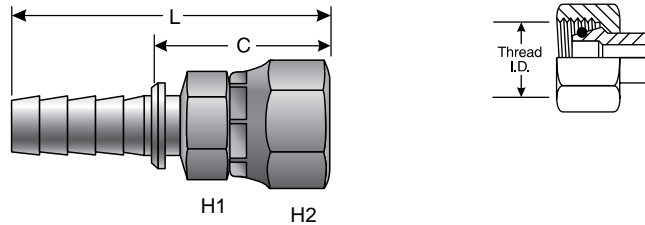
## Female Braze-On Stems



Descr.	Prod. No.	⌀		B	A	O.D.		L		C		Weight
		"	mm			"	mm	"	mm	"	mm	Lbs.
3-4FBO	7305-09135	3/16	4.8	.25	1/4	.56	14.2	1.76	44.7	.68	17.3	.06
4-4FBO	7305-09145	1/4	6.4	.25	1/4	.56	14.2	1.67	42.4	.58	14.7	.04
4-5FBO	7305-09165	1/4	6.4	.32	3/8	.56	14.2	1.67	42.4	.58	14.7	.04
6-6FBO	7334-36755	3/8	9.5	.38	3/8	.75	19.1	1.72	43.7	.70	17.8	.08
6-8FBO	7305-29165	3/8	9.5	.50	3/8	.88	22.4	1.72	43.7	.70	17.8	.06
8-8FBO	7305-39145	1/2	12.7	.50	3/8	.88	22.4	2.20	55.9	.76	19.3	.11
8-10FBO	7305-39165	1/2	12.7	.63	3/8	.88	22.4	2.20	55.9	.76	19.3	.10
12-12FBO	7305-59145	3/4	19.1	.75	3/8	1.12	28.4	2.47	62.7	.76	19.3	.18
12-16FBO	7305-59165	3/4	19.1	1.01	15/32	1.38	35.0	2.75	69.9	1.04	26.4	.19
16-16FBO	7305-69145	1	25.4	1.01	15/32	1.38	35.0	2.75	69.9	1.04	26.4	.40
20-20FBO	7305-79145	1 1/4	31.8	1.26	3/8	1.81	46.0	3.29	83.6	1.11	28.2	.73
24-24FBO	7305-89145	1 1/2	38.1	1.51	3/8	2.00	50.8	3.75	95.3	1.11	28.2	3.65

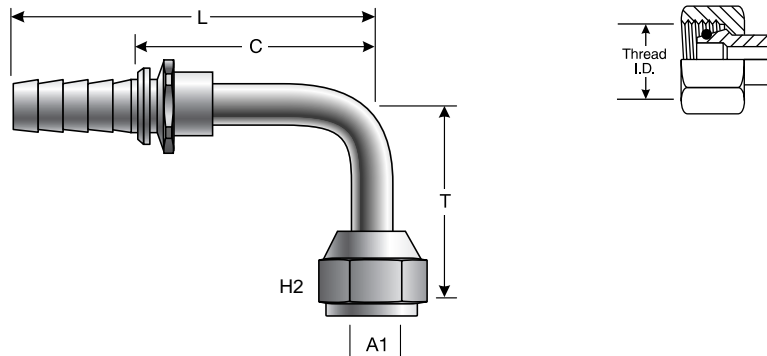
# Power Crimp® Couplings

## Female DIN 24° Cone Swivel - Light Series



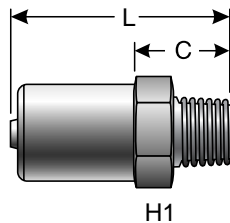
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		⌀	Weight
		"	mm		mm	mm	"	mm	"	mm		
3C2-6FDLX	7303-08195	3/16	4.8	M12X1.5	14.0	14.0	2.20	55.9	1.11	28.2	6.0	.11

## Female DIN 24° Cone Swivel - Light Series - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		A1	Weight	
		"	mm		mm	mm	"	mm	"	mm	"	mm		mm
3C2-6FDLX90	7303-08205	3/16	4.8	M12X1.5	—	14.0	1.26	32.0	2.52	64.0	1.43	36.3	6.0	.10

## Male Special Grease Fitting




Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	
3-2MPG	7334-32445	3/16	4.8	1/8-27	9/16	—	1.34	34.0	.56	14.2	.05

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
<b>POWER CRIMP COUPLINGS</b>
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

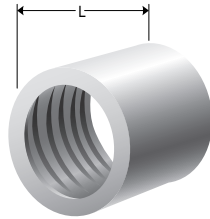


# Power Crimp® Couplings

## Male Special Grease Fitting - Cont'd

Descr.	Prod. No.	Ø			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
3-2MPGB	7334-37925	3/16	4.8	1/8-27	9/16	—	1.34	34.0	.78	19.8	.05

## Power Crimp® Two Ferrules (Steel) - PC2F Series

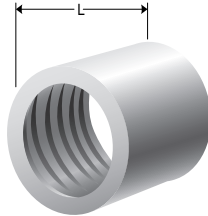


Descr.	Prod. No.	L		Ø		Weight
		"	mm	"	mm	Lbs.
3PC2F-2	7266-00075	1.00	25.4	.76	19.3	.05
4PC2F-2	7266-00345	1.00	25.4	.84	21.3	.05
4PC2F-4	7266-00395	1.20	30.5	.89	22.6	.07
5PC2F-2	7266-00385	1.00	25.4	.87	22.1	.05
6PC2F-2	7266-00335	1.00	25.4	.94	23.9	.05
6PC2F-4	7266-00405	1.20	30.5	1.06	26.9	.09
8PC2F-2	7266-00025	1.25	31.8	1.13	28.7	.11
8PC2F-4	7266-00415	1.47	37.3	1.28	32.5	.17
10PC2F-2B	7266-00465	1.47	37.3	1.32	33.5	.08
10PC2F-2C	7266-08105	1.25	31.8	1.23	31.2	.13
12PC2F-2	7266-00185	1.47	37.3	1.50	38.1	.14
12PC2F-4	7266-00145	1.97	50.0	1.38	35.1	.25
16PC2F-2	7266-00135	1.97	50.0	1.75	44.5	.32
16PC2F-4	7266-00175	2.07	52.6	1.87	47.5	.40
20PC2F-2	7266-00225	2.35	59.7	2.25	57.2	.70
20PC2F-4	7266-00215	2.77	70.4	2.19	55.6	.71
24PC2F-4	7266-00355	2.88	73.2	2.55	64.8	.87
32PC2F-4	7266-00375	3.43	87.1	3.16	80.3	1.59

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
<b>POWER CRIMP COUPLINGS</b>
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Power Crimp® Couplings

## Power Crimp® One Non-Skive Ferrules (Steel) - PC1FS Series



Descr.	Prod. No.	L		Ø		Weight
		"	mm	"	mm	Lbs.
3PC1FS	7266-07035	1.20	30.5	.83	21.1	.05
4M3KPC	7266-07805	1.20	30.5	.89	22.6	.07
4PC1F-M2S	7266-07635	1.20	30.5	.83	21.1	.05
4PC1FS	7266-07045	1.28	32.5	.87	22.1	.10
5PC1FS	7266-07055	1.20	30.5	.97	24.6	.07
6M3KPC	7266-07815	1.20	30.5	.97	24.6	.07
6PC1F-M2S	7266-07375	1.20	30.5	1.06	26.9	.09
6PC1FS	7266-07065	1.20	30.5	.96	24.4	.09
8M3KPC	7266-07825	1.50	38.1	1.15	29.2	.15
8PC1F-M2S	7266-07395	1.47	37.3	1.20	30.5	.19
8PC1FS	7266-07085	1.47	37.3	1.15	29.2	.10
10PC1F-M2S	7266-07415	1.47	37.3	1.31	33.3	.19
10PC1FS-M3K	7266-07105	1.49	37.9	1.21	30.7	.13
12PC1F-M2S	7266-07435	1.69	42.9	1.57	39.9	.29
12PC1FS-M3K	7266-07125	1.69	42.9	1.53	38.9	.21
16PC1F-M2S	7266-07475	1.69	42.9	1.94	49.3	.44
16PC1FS	7266-07165	1.69	42.9	1.32	33.5	.34
20PC1FS	7266-07205	2.41	61.2	2.38	60.5	.61
24PC1FS	7266-07245	2.69	68.3	2.69	68.3	.82
32PC1FS	7266-07325	3.56	90.4	3.25	82.6	1.65

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
<b>POWER CRIMP COUPLINGS</b>
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





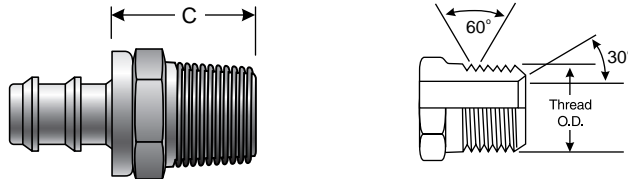


## Notes



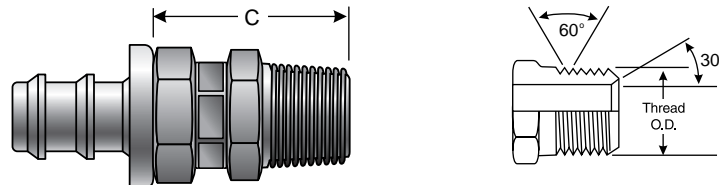
# Brass Field Attachable Couplings for Lock-On

## Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	C		Weight Lbs.
		"	mm		"	mm	
4LOC-2RMP	7250-04435	1/4	6.4	1/8-27	.56	14.2	.04
4LOC-4RMP	7250-04445	1/4	6.4	1/4-18	.81	20.6	.04
4LOC-6RMP	7250-16065	1/4	6.4	3/8-18	.88	22.4	.05
5LOC-2RMP	7250-04455	5/16	7.9	1/8-27	.81	20.6	.04
5LOC-4RMP	7250-04465	5/16	7.9	1/4-18	.77	19.6	.06
6LOC-2RMP	7250-04475	3/8	9.5	1/8-27	.56	14.2	.06
6LOC-4RMP	7250-04485	3/8	9.5	1/4-18	.81	20.6	.06
6LOC-6RMP	7250-04495	3/8	9.5	3/8-18	.88	22.4	.10
6LOC-8RMP	7250-16075	3/8	9.5	1/2-14	.88	22.4	.01
8LOC-4RMP	7250-16085	1/2	12.7	1/4-18	.81	20.6	.10
8LOC-6RMP	7250-04505	1/2	12.7	3/8-18	.88	22.4	.08
8LOC-8RMP	7250-04515	1/2	12.7	1/2-14	.88	22.4	.14
8LOC-12RMP	7250-16095	1/2	12.7	3/4-14	1.13	28.7	.16
10LOC-6RMP	7250-16105	5/8	15.9	3/8-18	.88	22.4	.20
10LOC-8RMP	7250-04525	5/8	15.9	1/2-14	1.06	26.9	.14
10LOC-12RMP	7250-16115	5/8	15.9	3/4-14	.88	22.4	.20
12LOC-8RMP	7250-16125	3/4	19.1	1/2-14	.88	22.4	.20
12LOC-12RMP	7250-04535	3/4	19.1	3/4-14	1.13	28.7	.20

## Male Pipe Swivel (NPTF - Without 30° Cone Seat)



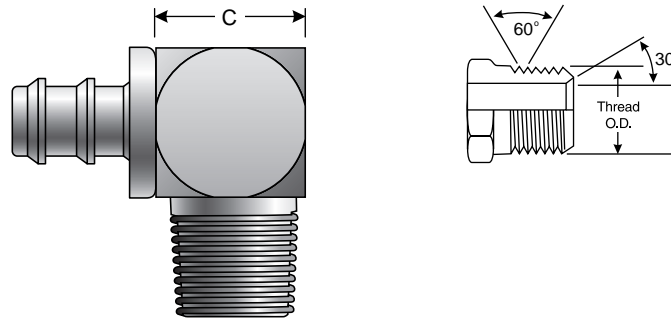
Descr.	Prod. No.	⊖		🌀	C		Weight Lbs.
		"	mm		"	mm	
4LOC-4RMPX	7250-16135	1/4	6.4	1/4-18	1.81	46.0	.05
6LOC-6RMPX	7250-16145	3/8	9.5	3/8-18	2.00	50.8	.06
8LOC-8RMPX	7250-16155	1/2	12.7	1/2-14	2.38	60.5	.15
12LOC-12RMPX	7250-16165	3/4	19.1	3/4-1/4	2.68	68.1	.25

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



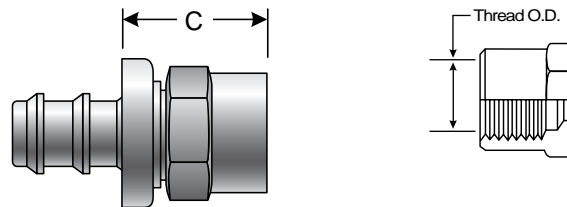
# Brass Field Attachable Couplings for Lock-On

## Male Pipe - 90° Block (NPTF - Without 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	C		Weight Lbs.
		"	mm		"	mm	
4LOC-2RMP90	7250-16175	1/4	6.4	1/8-27	.31	7.9	.05
4LOC-4RMP90	7250-16185	1/4	6.4	1/4-18	.38	9.7	.05
5LOC-2RMP90	7250-04555	5/16	7.9	1/8-27	.31	7.9	.06
5LOC-4RMP90	7250-04565	5/16	7.9	1/4-18	.38	9.7	.08
6LOC-2RMP90	7250-04575	3/8	9.5	1/8-27	.38	9.7	.06
6LOC-4RMP90	7250-04585	3/8	9.5	1/4-18	.40	10.2	.08
6LOC-6RMP90	7250-16195	3/8	9.5	3/8-18	.43	10.9	.15
8LOC-8RMP90	7250-16205	1/2	12.7	1/2-14	.50	12.7	.16
12LOC-12RMP90	7250-16215	3/4	19.1	3/4-14	.76	19.3	.28

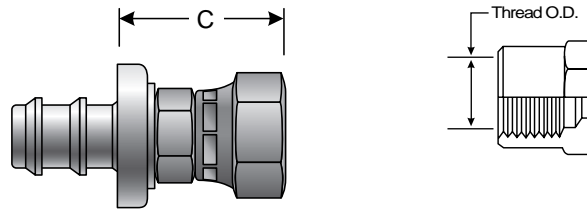
## Female Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	C		Weight Lbs.
		"	mm		"	mm	
4LOC-4RFP	7250-04595	1/4	6.4	1/4-18	.50	12.7	.06
5LOC-4RFP	7250-16225	5/16	7.9	1/4-18	.50	12.7	.05
6LOC-6RFP	7250-04605	3/8	9.5	3/8-18	.63	16.0	.08
8LOC-6RFP	7250-16235	1/2	12.7	3/8-18	.63	16.0	.05
8LOC-8RFP	7250-04615	1/2	12.7	1/2-14	.75	19.1	.12
10LOC-8RFP	7250-16245	5/8	15.9	1/2-14	.75	19.1	.12
12LOC-12RFP	7250-16255	3/4	19.1	3/4-14	.93	23.6	.24

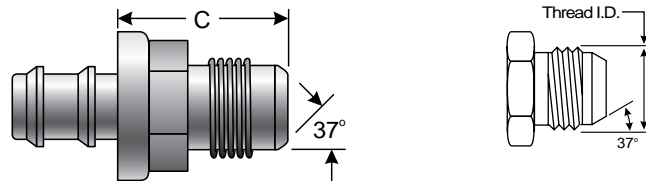
# Brass Field Attachable Couplings for Lock-On

## Female Pipe Swivel (NPTF - Without 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	C		Weight Lbs.
		"	mm		"	mm	
4LOC-2RFPX	7250-16265	1/4	6.4	1/8-27	1.81	46.0	.04
4LOC-4RFPX	7250-16275	1/4	6.4	1/4-18	1.81	46.0	.06
4LOC-6RFPX	7250-16285	1/4	6.4	3/8-18	2.00	50.8	.08
6LOC-4RFPX	7250-16295	3/8	9.5	1/4-18	1.81	46.0	.08
6LOC-6RFPX	7250-16305	3/8	9.5	3/8-18	2.00	50.8	.10
6LOC-8RFPX	7250-16315	3/8	9.5	1/2-14	2.38	60.5	.10
8LOC-8RFPX	7250-16325	1/2	12.7	1/2-14	2.38	60.5	.12
10LOC-12RFPX	7250-16345	3/4	19.1	3/4-14	2.68	68.1	.26
12LOC-12RFPX	7250-16355	3/4	19.1	3/4-14	2.68	68.1	.20

## Male JIC 37° Flare



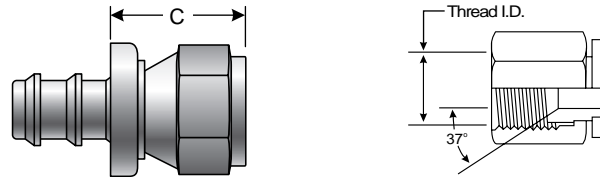
Descr.	Prod. No.	⊖		🌀	C		Weight Lbs.
		"	mm		"	mm	
4LOC-4RMJ	7250-16365	1/4	6.4	7/16-20	.81	20.6	.05
4LOC-5RMJ	7250-16375	1/4	6.4	1/2-20	.94	23.9	.04
4LOC-6RMJ	7250-16385	1/4	6.4	9/16-18	1.00	25.4	.06
6LOC-4RMJ	7250-16395	3/8	9.5	7/16-20	.88	22.4	.05
6LOC-5RMJ	7250-16405	3/8	9.5	1/2-20	.94	23.9	.06
6LOC-6RMJ	7250-16415	3/8	9.5	9/16-18	1.00	25.4	.05
6LOC-8RMJ	7250-16425	3/8	9.5	3/4-16	1.19	30.2	.15
8LOC-8RMJ	7250-16435	1/2	12.7	3/4-16	1.19	30.2	.12
8LOC-10RMJ	7250-16445	1/2	12.7	7/8-14	1.27	32.3	.18
10LOC-8RMJ	7250-16455	5/8	15.9	3/4-16	1.19	30.2	.18
10LOC-10RMJ	7250-16465	5/8	15.9	7/8-14	1.27	32.3	.18
12LOC-10RMJ	7250-16475	3/4	19.1	7/8-14	1.27	32.3	.26
12LOC-12RMJ	7250-16485	3/4	19.1	1 1/16-12	1.33	33.8	.30

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



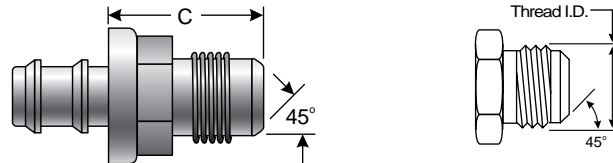
# Brass Field Attachable Couplings for Lock-On

## Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖			C		Weight
		"	mm		"	mm	Lbs.
4LOC-6RFJX	7250-16495	1/4	6.4	3/8-18	.74	18.8	.05
6LOC-6RFJX	7250-04625	3/8	9.5	9/16-18	.81	20.6	.06
12LOC-12RFJX	7250-04635	3/4	19.1	1 1/16-12	1.09	27.7	.22

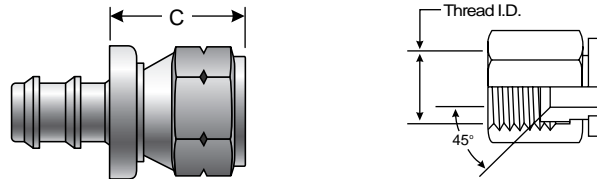
## Male SAE 45° Flare



Descr.	Prod. No.	⊖			C		Weight
		"	mm		"	mm	Lbs.
4LOC-4RMS	7250-04645	1/4	6.4	7/16-20	.69	17.5	.04
4LOC-5RMS	7250-04655	1/4	6.4	1/2-20	.38	9.7	.04
4LOC-6RMS	7250-04665	1/4	6.4	5/8-18	.88	22.4	.06
5LOC-5RMS	7250-04675	5/16	7.9	1/2-20	.81	20.6	.06
6LOC-4RMS	7250-16505	3/8	9.5	7/16-20	.69	17.5	.06
6LOC-5RMS	7250-16515	3/8	9.5	1/2-20	.81	20.6	.06
6LOC-6RMS	7250-04685	3/8	9.5	5/8-18	.88	22.4	.08
6LOC-8RMS	7250-16525	3/8	9.5	3/4-16	1.31	33.3	.15
8LOC-8RMS	7250-18285	1/2	12.7	3/4-16	1.13	28.7	.12
8LOC-10RMS	7250-16535	1/2	12.7	7/8-14	1.27	32.3	.18
10LOC-8RMS	7250-16545	5/8	15.9	3/4-16	1.13	28.7	.20
10LOC-10RMS	7250-16555	5/8	15.9	7/8-14	1.27	32.3	.18
12LOC-10RMS	7250-16565	3/4	19.1	7/8-14	1.27	32.3	.26
12LOC-12RMS	7250-16575	3/4	19.1	1 1/16-14	1.83	46.5	.32

# Brass Field Attachable Couplings for Lock-On

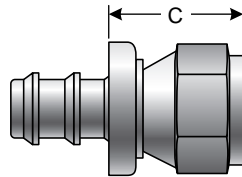
## Female SAE 45° Flare Swivel



Descr.	Prod. No.	⊖		🌀	C		Weight Lbs.
		"	mm		"	mm	
4LOC-6RFSX	7250-16585	1/4	6.4	5/8-18	.69	17.5	.06
5LOC-6RFSX*	7250-18295	5/16	7.9	5/8-18	.81	20.6	.07
6LOC-6RFSX	7250-04695	3/8	9.5	5/8-18	.84	21.3	.08
8LOC-6RFSX	7250-16595	1/2	12.7	5/8-18	.84	21.3	.12
12LOC-12RFSX	7250-04705	3/4	19.1	1 1/16-14	1.09	27.7	.22

\* Steel

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel



Descr.	Prod. No.	⊖		🌀	C		Weight Lbs.
		"	mm		"	mm	
4LOC-4RFJSX	7250-04715	1/4	6.4	7/16-20	.75	19.1	.04
4LOC-5RFJSX	7250-04725	1/4	6.4	1/2-20	.78	19.8	.04
5LOC-5RFJSX*	7250-04735	5/16	7.9	1/2-20	.81	20.6	.04
6LOC-5RFJSX	7250-04745	3/8	9.5	1/2-20	.81	20.6	.06
6LOC-8RFJSX	7250-18305	3/8	9.5	3/4-16	.97	24.6	.13
8LOC-8RFJSX	7250-04755	1/2	12.7	3/4-16	.97	24.6	.25
8LOC-10RFJSX	7250-18315	1/2	12.7	7/8-14	1.00	25.4	.13
10LOC-10RFJSX	7250-04765	5/8	15.9	7/8-14	1.00	25.4	.30
12LOC-10RFJSX	7250-04775	3/4	19.1	7/8-14	1.00	25.4	.20

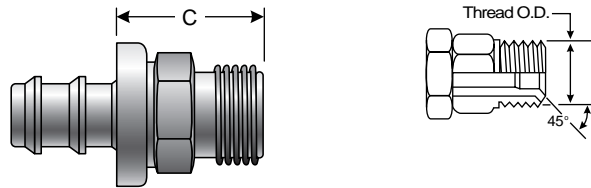
\* Steel

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



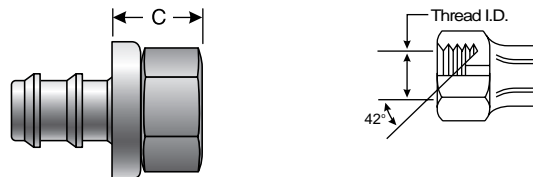
# Brass Field Attachable Couplings for Lock-On

## Male SAE Inverted Swivel



Descr.	Prod. No.	⊖		🌀	C		Weight Lbs.
		"	mm		"	mm	
4LOC-3RMIX	7250-04785	1/4	6.4	3/8-24	.78	19.8	.04
4LOC-4RMIX	7250-04795	1/4	6.4	7/16-24	.78	19.8	.04
4LOC-5RMIX	7250-04805	1/4	6.4	1/2-20	.78	19.8	.04
5LOC-5RMIX	7250-04825	5/16	7.9	1/2-20	.82	20.8	.04
5LOC-6RMIX	7250-04835	5/16	7.9	5/8-18	.86	21.8	.08
6LOC-5RMIX	7250-04845	3/8	9.5	1/2-20	.82	20.8	.06
6LOC-6RMIX	7250-04855	3/8	9.5	5/8-18	.97	24.6	.08
6LOC-8RMIX	7250-16605	3/8	9.5	3/4-18	1.00	25.4	.05
8LOC-6RMIX	7250-16615	1/2	12.7	5/8-18	.97	24.6	.10
8LOC-8RMIX	7250-04865	1/2	12.7	3/4-18	1.00	25.4	.10
10LOC-10RMIX	7250-18325	5/8	15.9	7/8-18	1.00	25.4	.16

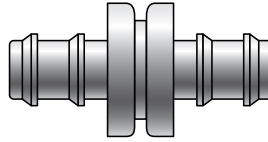
## Female SAE Inverted Solid



Descr.	Prod. No.	⊖		🌀	C		Weight Lbs.
		"	mm		"	mm	
4LOC-3RFI	7250-04875	1/4	6.4	3/8-24	.75	19.1	.02
4LOC-4RFI	7250-04885	1/4	6.4	7/16-24	.75	19.1	.02
4LOC-5RFI	7250-04895	1/4	6.4	1/2-20	.75	19.1	.02
5LOC-5RFI	7250-04905	5/16	7.9	1/2-20	—	—	.04
6LOC-5RFI	7250-04915	3/8	9.5	1/2-20	.75	19.1	.08
6LOC-6RFI	7250-04925	3/8	9.5	5/8-18	.88	22.4	.20
8LOC-8RFI	7250-04935	3/8	9.5	3/4-18	.93	23.6	.08

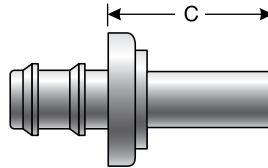
# Brass Field Attachable Couplings for Lock-On

## Hose Mender



Descr.	Prod. No.	⊖		Weight
		"	mm	Lbs.
4LOC-4RHM	7250-04995	1/4	6.4	.04
5LOC-5RHM	7250-05005	5/16	7.9	.04
6LOC-6RHM	7250-05015	3/8	9.5	.06
8LOC-8RHM	7250-05025	1/2	12.7	.08
10LOC-10RHM	7250-18335	5/8	15.9	.17
12LOC-12RHM	7250-18345	3/4	19.1	.16

## Flareless Tube Fitting (Compression Type)



Descr.	Prod. No.	⊖		⊕		C		Weight
		"	mm	"	mm	"	mm	Lbs.
4LOC-3RFT	7250-04945	1/4	6.4	3/16	4.8	.75	19.1	.02
4LOC-4RFT	7250-04955	1/4	6.4	1/4	6.4	1.00	25.4	.02
4LOC-5RFT	7250-04965	1/4	6.4	5/16	7.9	1.13	28.7	.06
5LOC-5RFT	7250-04975	5/16	7.9	5/16	7.9	1.13	28.7	.04
6LOC-6RSP	7250-04985	3/8	9.5	3/8	9.5	1.25	31.8	.04
8LOC-8RSP	7250-16625	1/2	12.7	1/2	12.7	1.00	25.4	.05
10LOC-10RSP	7250-16635	5/8	15.9	5/8	16.0	1.00	25.4	.08

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

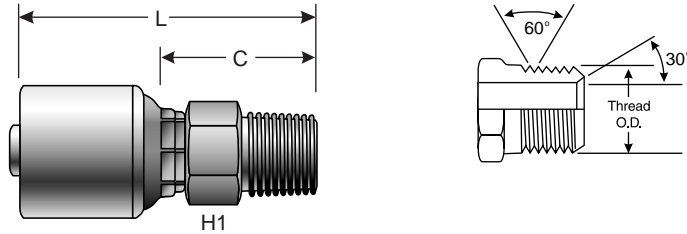




# GLP Couplings

## Male Pipe (NPTF - 30° Cone Seat)

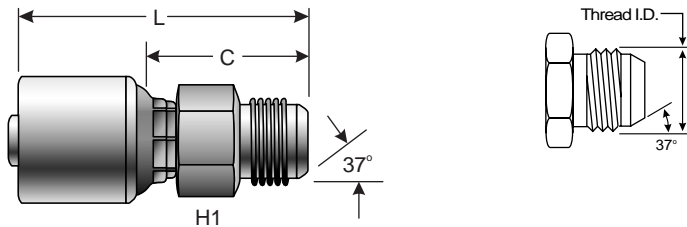
Special GLP Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
10GLP1-8MP	7351-02275	5/8	15.9	1/2	15/16	—	2.40	61.0	1.55	39.4	.22
12GLP1-12MP	7351-02325	3/4	19.1	3/4	1 1/16	—	2.64	67.1	1.56	39.6	.30

## Male JIC 37° Flare

Special GLP Dies Required.



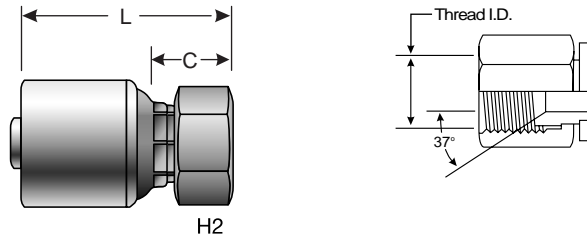
Descr.	Prod. No.	⊖		🌀	H1	H1	H2	H2	L		C		Weight
		"	mm		"	mm	"	mm	"	mm	"	mm	Lbs.
4GLP1-4MJ	7351-01045	1/4	6.4	7/16-20	9/16	—	—	—	1.81	46.0	1.18	30.0	.06
6GLP1-6MJ	7351-01155	3/8	9.5	9/16-18	11/16	—	—	—	1.97	50.0	1.23	31.2	.11
10GLP1-10MJ	7351-01275	5/8	15.9	7/8-14	—	15.0	—	—	2.44	62.0	1.59	40.4	.22
12GLP1-12MJ	7351-01325	3/4	19.1	1 1/16-12	1 1/16	—	—	—	2.83	71.9	1.75	44.5	.32

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# GLP Couplings

## Female JIC 37° Flare Swivel

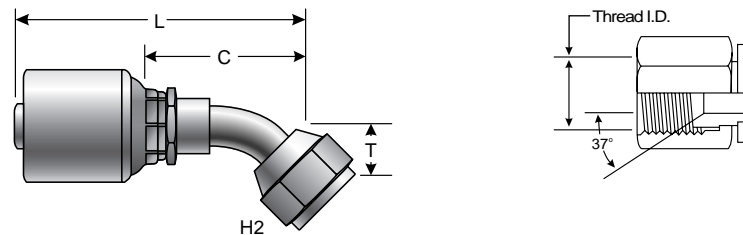
Special GLP Dies Required.



Descr.	Prod. No.	⌀		🌀	H1	H2	L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	Lbs.
4GLP1-4FJX	7351-05045	1/4	6.4	7/16-20	—	9.0	1.63	41.4	.96	24.4	.06
6GLP1-6FJX	7351-05145	3/8	9.5	9/16-18	—	11.0	1.89	48.0	1.10	27.9	.11
8GLP1-8FJX	7351-05205	1/2	12.7	3/4-16	—	7.0	2.02	51.3	1.24	31.5	.18
10GLP1-10FJX	7351-05265	5/8	15.9	7/8-14	—	15.0	2.27	57.7	1.42	36.1	.24
12GLP1-12FJX	7351-05325	3/4	19.1	1 1/16-12	—	1.0	2.56	65.0	1.47	37.3	.33

## Female JIC 37° Flare Swivel - 45° Bent Tube

Special GLP Dies Required.



Descr.	Prod. No.	⌀		🌀	H1	H2	T	L		C		Weight	
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
4GLP1-4FJX45S	7351-09055	1/4	6.4	7/16-20	—	14.0	.39	9.9	2.37	60.2	1.74	44.2	.08
6GLP1-6FJX45S	7351-11235	3/8	9.5	9/16-18	—	11.0	.43	10.9	2.96	75.2	2.22	56.4	.14
8GLP1-8FJX45S	7351-09295	1/2	12.7	3/4-16	—	7.0	.59	15.0	2.96	75.2	2.17	55.1	.21
10GLP1-10FJX45S	7351-09355	5/8	15.9	7/8-14	—	15.0	.63	16.0	3.21	81.5	2.35	59.7	.31
12GLP1-12FJX45S	7351-09425	3/4	19.1	1 1/16-12	—	1.0	.83	21.1	3.94	100.1	2.85	72.4	.47

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

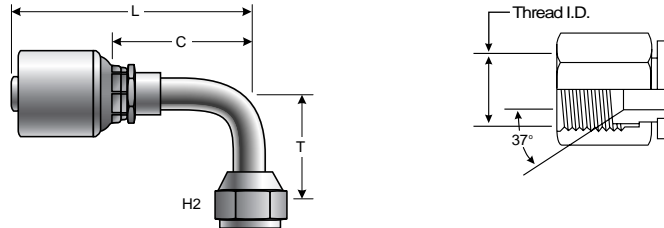




# GLP Couplings

## Female JIC 37° Flare Swivel - 90° Bent Tube

Special GLP Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		mm	mm	"	mm	"	mm	"	mm	Lbs.
4GLP1-4FJX90L	7351-15065	1/4	6.4	7/16-20	—	9.0	1.81	46.0	2.11	53.6	1.48	37.6	.09
4GLP1-4FJX90S	7351-13045	1/4	6.4	7/16-20	—	14.0	.83	21.1	2.11	53.6	1.48	37.6	.09
6GLP1-6FJX90S	7351-19205	3/8	9.5	9/16-18	—	19.1	.91	23.1	2.84	72.1	2.05	52.1	.16
8GLP1-8FJX90L	7351-15305	1/2	12.7	3/4-16	—	7.0	2.52	64.0	2.69	68.3	1.91	48.5	.26
8GLP1-8FJX90S	7351-15285	1/2	12.7	3/4-16	—	7.0	1.14	29.0	2.59	65.8	1.80	45.7	.33
12GLP1-12FJX90L	7351-15445	3/4	19.1	1 1/16-12	—	1.0	3.78	96.0	3.27	83.1	2.19	55.6	.59
12GLP1-12FJX90S	7351-15465	3/4	19.1	1 1/16-12	—	1.0	1.89	48.0	3.78	96.0	2.70	68.6	.52

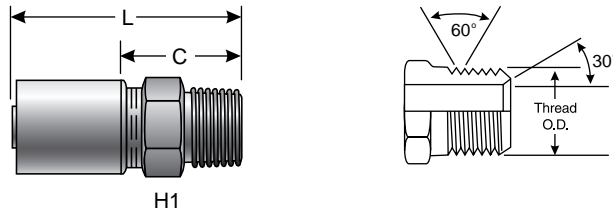
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



# GL Couplings

## Male Pipe (NPTF - 30° Cone Seat)

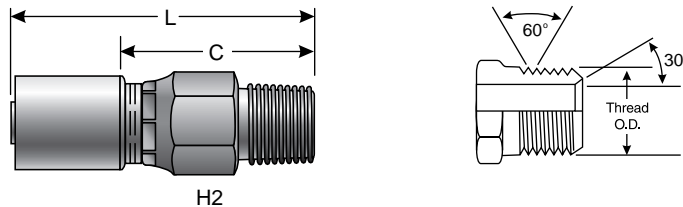
Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
12GL-12MP	7348-00015	3/4	19.1	3/4-14	1 3/4	—	3.46	87.9	1.46	37.1	.51
12GL-16MP	7348-00025	3/4	19.1	1-11 1/2	1 3/8	—	1.77	45.0	1.64	41.7	.58
16GL-16MP	7348-00035	1	25.4	1-11 1/2	1 3/8	—	4.11	104.4	1.88	47.8	.69
20GL-20MP	7348-00045	1 1/4	31.8	1 1/4-11 1/2	1 3/4	—	2.13	54.1	2.09	53.1	.78
24GL-24MP	7348-00055	1 1/2	38.1	1 1/2-11 1/2	2	—	4.83	122.7	2.19	55.6	1.78
32GL-32MP	7348-00065	2	50.8	2-11 1/2	2 1/2	—	5.39	136.9	2.33	59.2	3.04

## Male Pipe Swivel (NPTF - Without 30° Cone Seat)

NOT TO BE USED AS A LIVE SWIVEL.  
Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
12GL-12MPX	7348-00105	3/4	19.1	3/4-14	—	1 5/16	4.02	102.1	2.01	51.1	.39
16GL-16MPX	7348-00115	1	25.4	1-11 1/2	—	1 5/8	4.73	120.1	2.50	63.5	.93

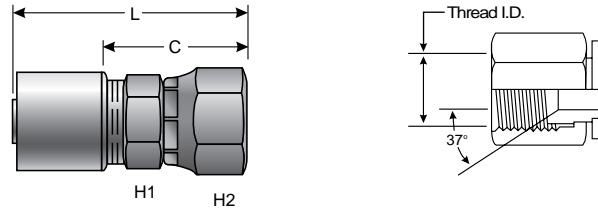
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# GL Couplings

## Female JIC 37° Flare Swivel

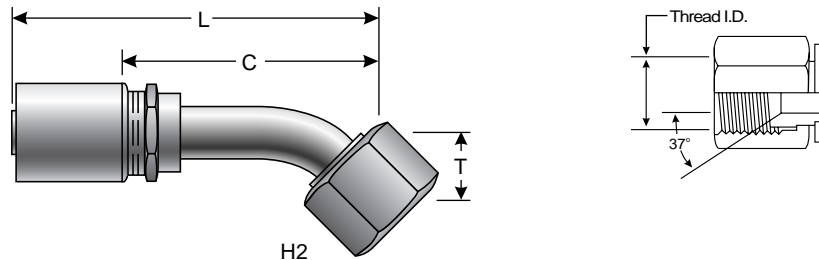
Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
12GL-12FJX	7348-00205	3/4	19.1	1 1/16-12	1 1/16	1 1/4	3.68	93.5	1.67	42.4	.40
12GL-14FJX	7348-00215	3/4	19.1	1 3/16-12	1 1/8	1 3/8	3.65	92.7	1.64	41.7	.42
12GL-16FJX	7348-00225	3/4	19.1	1 5/16-12	1 1/4	1 1/2	3.78	96.0	1.77	45.0	.48
16GL-16FJX	7348-00235	1	25.4	1 5/16-12	1 3/8	1 1/2	4.17	105.9	1.94	49.3	.70
20GL-20FJX	7348-00245	1 1/4	31.8	1 5/8-12	1 3/4	2	4.58	116.3	2.26	57.4	1.32
24GL-20FJX	7348-00195	1 1/2	38.1	1 5/8-12	1 3/4	2	4.84	122.9	2.20	55.9	1.82
24GL-24FJX	7348-00255	1 1/2	38.1	1 7/8-12	2	2 1/4	5.19	131.8	2.55	64.8	2.20
32GL-32FJX	7348-00265	2	50.8	3-12	2 1/2	3 1/2	5.98	151.9	2.92	74.2	2.77
40GL-40FJX	7305-05475	2 1/2	63.5	2 1/2	3	3 1/2	5.36	136.1	2.91	73.9	4.48

## Female JIC 37° Flare Swivel - 45° Bent Tube

Special GL Dies Required.

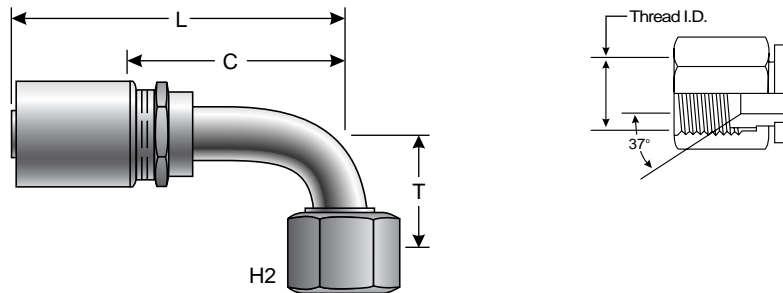


Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
12GL-12FJX45S-021	7348-01265	3/4	19.1	1 1/16-12	—	1 1/4	.83	21.1	4.76	120.9	2.76	70.1	.06

# GL Couplings

## Female JIC 37° Flare Swivel - 90° Bent Tube

Special GL Dies Required.

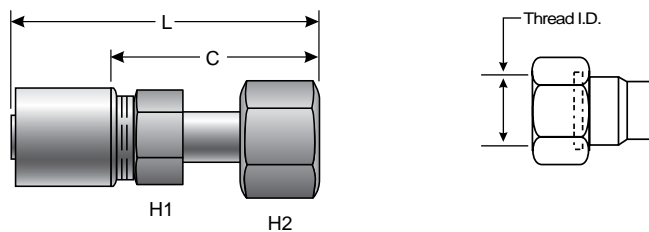


Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	"	mm	
12GL-12FJX90S	7348-01385	3/4	19.1	1 1/16-12	—	1 1/4	1.89	48.0	4.61	117.1	2.60	66.0	.74
16GL-16FJX90S	7348-01485	1	25.4	1 5/16-12	—	1 1/2	2.20	55.9	5.12	130.1	2.88	73.2	1.30
20GL-20FJX90M	7348-01525	1 1/4	31.8	1 5/8-12	—	2	3.07	78.0	6.24	158.5	3.91	99.3	.20
24GL-20FJX90L	7348-01595	1 1/2	38.1	1 5/8-12	1 3/4	2	5.08	129.0	5.59	142.0	2.96	75.2	2.43
24GL-20FJX90M	7348-01585	1 1/2	38.1	1 5/8-12	—	2	3.07	78.0	6.24	158.5	3.91	99.3	2.44
24GL-24FJX90-092	7348-01545	1 1/2	38.1	1 7/8-12	2	2 1/4	4.05	102.9	7.10	180.3	4.85	123.2	2.85

## Female Flat-Face Swivel

SAE J1453 O-Ring Face Seal.

Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
12GL-12FFORX	7348-00305	3/4	19.1	1 3/16-12	1 1/16	1 3/8	3.78	96.0	1.77	45.0	.69
16GL-16FFORX	7348-00355	1	25.4	1 7/16-12	1 3/8	1 5/8	4.46	113.3	2.22	56.4	.10
20GL-20FFORX	7348-00365	1 1/4	31.8	1 11/16-12	1 3/4	1 7/8	4.50	114.3	2.18	55.4	.14
24GL-24FFORX	7348-00375	1 1/2	38.1	2-12	1 3/8	—	3.98	101.1	1.74	44.2	2.38

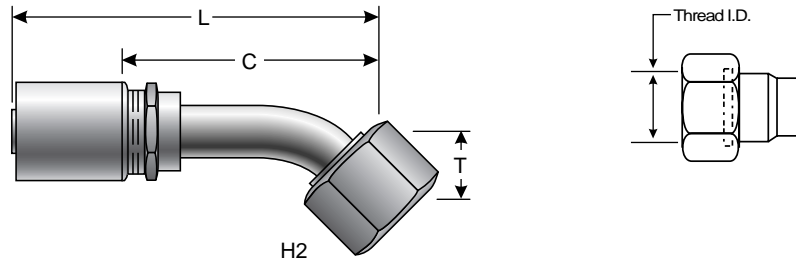
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# GL Couplings

## Female Flat-Face Swivel - 45° Bent Tube

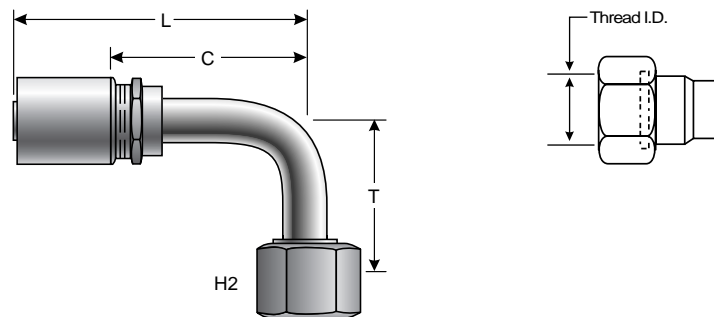
SAE J1453 O-Ring Face Seal.  
Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
12GL-12FFORX45S	7348-00405	3/4	19.1	1 7/16-12	—	1 3/8	.83	21.1	4.67	118.6	2.66	67.6	.73
16GL-16FFORX45S	7348-00415	1	25.4	1 7/16-12	—	1 5/8	.94	23.9	5.08	129.0	2.85	72.4	1.03
20GL-20FFORX45S	7348-00425	1 1/4	31.8	1 11/16-12	—	1 7/8	.98	24.9	5.81	147.6	3.49	88.7	1.39

## Female Flat-Face Swivel - 90° Bent Tube

SAE J1453 O-Ring Face Seal.  
Special GL Dies Required.

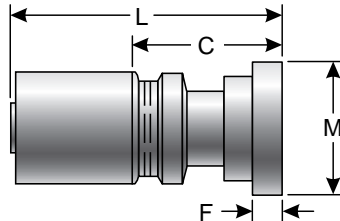


Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
12GL-12FFORX90M	7348-02155	3/4	19.1	1 3/16-12	—	1 1/4	1.89	48.0	4.61	117.1	2.60	66.0	.73
12GL-12FFORX90S	7348-00455	3/4	19.1	1 3/16-12	1 1/16	1 3/8	1.89	48.0	4.28	108.7	2.28	57.9	.70
16GL-16FFORX90S	7348-00465	1	25.4	1 7/16-12	—	1 5/8	2.20	55.9	5.11	129.8	2.88	73.2	1.10
20GL-20FFORX90S	7348-00475	1 1/4	31.8	1 11/16-12	—	1 7/8	2.52	64.0	5.51	140.0	3.19	81.0	1.51
24GL-24FFORX90M	7350-24985	1 1/2	38.1	2-12	—	2.36	3.39	86.1	7.26	184.4	4.62	117.4	3.06

# GL Couplings

## Code 61 O-Ring Flange

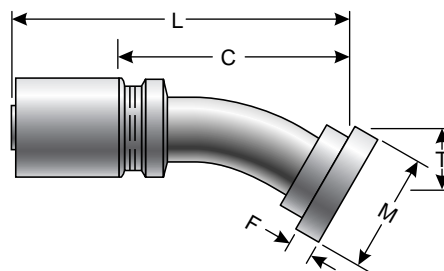
Special GL Dies Required.



Descr.	Prod. No.	⊖		M		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	
12GL-12FL	7348-00505	3/4	19.1	1.50	38.1	3.86	98.1	1.85	47.0	.27	6.9	.57
16GL-16FL	7348-00555	1	25.4	1.75	44.5	3.78	96.0	1.54	39.1	.32	8.1	.08
20GL-20FL	7348-00525	1 1/4	31.8	2.00	50.8	4.43	112.5	2.11	53.6	.32	8.1	1.07
24GL-24FL	7348-00535	1 1/2	38.1	2.38	60.5	4.94	125.5	2.30	58.4	.32	8.1	1.88
32GL-32FL	7348-00545	2	50.8	2.81	71.4	5.61	142.5	2.54	64.5	.38	9.7	3.23
40GL-40FL	7305-05505	2 1/2	63.5	3.31	84.1	5.66	143.8	3.15	80.0	.38	9.7	3.00
40GL-48FL	7305-05605	2 1/2	63.5	4.00	101.6	5.66	143.8	3.21	81.5	.38	9.7	3.64
40GL-56FL	7305-05705	2 1/2	63.5	4.50	114.3	5.33	135.4	2.77	70.4	.44	11.2	5.20
40GL-64FL	7305-05795	2 1/2	63.5	5.00	127.0	5.33	135.4	2.88	73.2	.44	11.2	5.54
48GL-48FL	7305-05805	3	76.2	4.00	101.6	6.54	166.1	3.46	87.9	.32	8.1	5.10
56GL-56FL	7305-06305	3 1/2	88.9	4.50	114.3	6.70	170.2	3.06	77.7	.32	8.1	6.74
64GL-64FL	7305-06695	4	101.6	5.00	127.0	7.74	196.6	3.70	94.0	.44	11.2	7.29

## Code 61 O-Ring Flange - 22° Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GL-24FL22M-018	7348-00575	1 1/2	38.1	2.38	60.5	.71	18.0	6.39	162.3	3.76	95.5	.32	8.1	.15
40GL-40FL22	7305-05515	2 1/2	63.5	3.31	84.1	.63	16.0	6.81	173.0	4.36	110.7	.38	9.7	2.88
40GL-48FL22	7305-05615	2 1/2	63.5	4.00	101.6	.67	17.0	6.86	174.2	4.41	112.0	.38	9.7	4.16

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



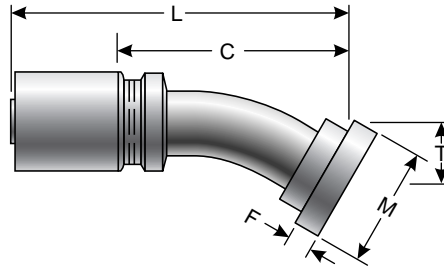




# GL Couplings

## Code 61 O-Ring Flange - 30° Bent Tube

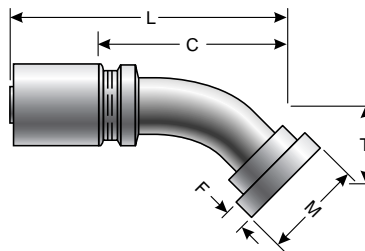
Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12GL-12FL30M	7348-00605	3/4	19.1	1.50	38.1	.63	16.0	4.51	114.6	2.50	63.5	.27	6.9	.56
16GL-16FL30M	7348-00615	1	25.4	1.75	44.5	.75	19.1	4.92	125.0	2.69	68.3	.32	8.1	.86
20GL-20FL30M	7348-00625	1 1/4	31.8	2.00	50.8	.87	22.1	5.37	136.4	3.05	77.5	.32	8.1	1.16
24GL-24FL30M	7348-00635	1 1/2	38.1	2.38	60.5	1.18	30.0	6.86	174.2	4.22	107.2	.32	8.1	1.64
32GL-32FL30M	7348-00645	2	50.8	2.81	71.4	1.26	32.0	7.78	197.6	4.72	119.9	.38	9.7	2.88
40GL-40FL30	7305-05525	2 1/2	63.5	3.31	84.1	1.08	27.4	7.30	185.4	4.85	123.2	.38	9.7	3.77
40GL-48FL30	7305-05625	2 1/2	63.5	4.00	101.6	1.08	27.4	7.36	186.9	4.91	124.7	.38	9.7	4.04
48GL-48FL30	7305-05825	3	76.2	4.00	101.6	1.12	28.5	8.23	209.0	5.15	130.8	.38	9.7	5.28

## Code 61 O-Ring Flange - 45° Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	Lbs.
12GL-12FL45M	7348-00705	3/4	19.1	1.50	38.1	1.02	25.9	4.67	118.6	2.66	67.6	.27	6.9	.58
16GL-16FL45S	7348-00715	1	25.4	1.75	44.5	1.10	27.9	5.11	129.8	2.87	72.9	.32	8.1	.87
20GL-20FL45S	7348-00725	1 1/4	31.8	2.00	50.8	1.26	32.0	5.59	142.0	3.29	83.6	.32	8.1	1.21
24GL-24FL45S	7348-00735	1 1/2	38.1	2.38	60.5	1.50	38.1	6.62	168.2	3.99	101.4	.32	8.1	1.63
32GL-32FL45S	7348-00745	2	50.8	2.81	71.4	2.05	52.1	8.07	205.0	5.00	127.0	.38	9.7	3.06
40GL-40FL45	7305-05535	2 1/2	63.5	3.31	84.1	1.72	43.7	7.72	196.1	5.27	133.9	.38	9.7	3.94
40GL-48FL45	7305-05635	2 1/2	63.5	4.00	101.6	1.76	44.7	7.76	197.1	5.31	134.9	.38	9.7	4.72
48GL-48FL45	7305-05835	3	76.2	4.00	101.6	2.03	51.6	9.18	233.2	6.10	154.9	.38	9.7	5.83
48GL-56FL45	7305-05895	3	76.2	4.50	114.3	2.03	51.6	12.38	314.5	9.30	236.2	.44	11.2	7.04
56GL-56FL45	7305-06335	3 1/2	88.9	4.50	114.3	2.13	54.1	9.66	245.4	6.02	152.9	.44	11.2	8.64
56GL-64FL45	7305-06385	3 1/2	88.9	5.00	127.0	2.13	54.1	9.66	245.4	6.02	152.9	.44	11.2	8.86



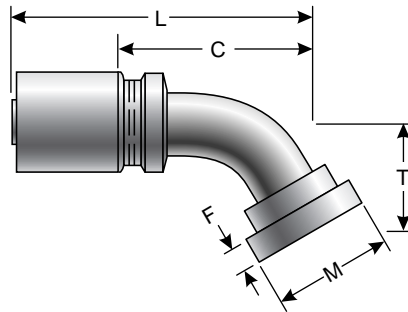
# GL Couplings

## Code 61 O-Ring Flange - 45° Bent Tube - Cont'd

Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
64GL-64FL45	7305-06725	4	101.6	5.00	127.0	3.61	91.7	12.70	322.6	8.66	220.0	.44	11.2	12.50

## Code 61 O-Ring Flange - 60° Bent Tube

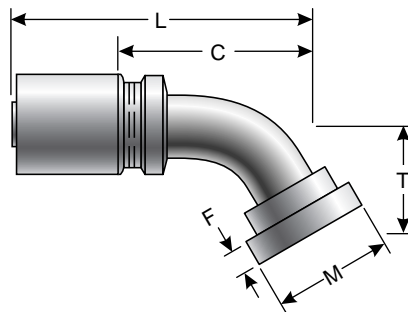
Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GL-12FL60M	7348-00805	3/4	19.1	1.50	38.1	1.46	37.1	4.61	117.1	2.60	66.0	.27	6.9	.59
16GL-16FL60M	7348-00815	1	25.4	1.75	44.5	1.73	43.9	5.14	130.7	2.90	73.7	.32	8.1	.91
20GL-20FL60S	7348-00825	1 1/4	31.8	2.00	50.8	1.77	45.0	5.67	144.0	3.35	85.1	.32	8.1	1.27
24GL-24FL60S	7348-00835	1 1/2	38.1	2.38	60.5	2.09	53.1	6.63	168.4	3.99	101.4	.32	8.1	1.64
32GL-32FL60S	7348-00845	2	50.8	2.81	71.4	2.95	74.9	8.59	218.2	5.52	140.2	.38	9.7	3.34
40GL-40FL60	7305-05545	2 1/2	63.5	3.31	84.1	2.63	66.8	8.13	206.5	5.68	144.3	.38	9.7	4.24
48GL-48FL60	7305-05845	3	76.2	4.00	101.6	3.11	79.0	9.66	245.4	6.58	167.1	.38	9.7	6.85

## Code 61 O-Ring Flange - 67½° Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
32GL-32FL67S	7348-00875	2	50.8	2.81	71.4	3.35	85.1	8.56	217.4	5.49	139.5	.38	9.7	3.98
40GL-40FL67	7305-05555	2 1/2	63.5	3.31	84.1	3.13	79.5	8.22	208.8	5.77	146.6	.38	9.7	4.46

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





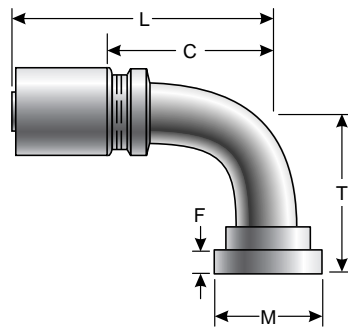
# GL Couplings

## Code 61 O-Ring Flange - 67½° Bent Tube - Cont'd

Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
48GL-48FL67	7305-05905	3	76.2	4.00	101.6	3.87	98.3	9.50	241.3	6.42	163.1	.38	9.7	7.28
64GL-64FL67	7305-06635	4	101.6	5.00	127.0	6.90	175.3	14.20	360.7	10.17	258.3	.44	11.2	13.85

## Code 61 O-Ring Flange - 90° Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight Lbs.
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GL-12FL90M	7348-00905	3/4	19.1	1.50	38.1	2.28	57.9	4.40	111.8	2.39	60.7	.27	6.9	.69
12GL-16FL90S	7348-00915	3/4	19.1	1.75	44.5	2.40	61.0	4.40	111.8	2.39	60.7	.32	8.1	.79
16GL-16FL90S	7348-00925	1	25.4	1.75	44.5	2.40	61.0	5.04	128.0	2.81	71.4	.32	8.1	.97
16GL-20FL90S	7348-00935	1	25.4	2.00	50.8	2.68	68.1	5.04	128.0	2.81	71.4	.32	8.1	1.08
20GL-20FL90S	7348-00945	1 1/4	31.8	2.00	50.8	2.68	68.1	5.41	137.4	3.09	78.5	.32	8.1	1.32
20GL-24FL90-068	7348-00955	1 1/4	31.8	2.38	60.5	2.68	68.1	5.41	137.4	3.09	78.5	.32	8.1	1.34
24GL-24FL90S	7348-00965	1 1/2	38.1	2.38	60.5	3.12	79.3	6.26	159.0	3.62	92.0	.32	8.1	2.33
32GL-32FL90S	7348-00975	2	50.8	2.81	71.4	4.50	114.3	8.73	221.7	5.20	132.1	.38	9.7	4.27
32GL-40FL90-114	7348-00775	2	50.8	3.32	84.3	4.50	114.3	8.77	222.8	5.71	145.0	.38	9.7	4.70
40GL-40FL90	7305-05565	2 1/2	63.5	3.31	84.1	4.62	117.4	8.06	204.7	5.61	142.5	.38	9.7	5.18
40GL-48FL90	7305-05665	2 1/2	63.5	4.00	101.6	4.62	117.4	8.12	206.3	5.67	144.0	.38	9.7	5.46
48GL-48FL90	7305-05855	3	76.2	4.00	101.6	5.50	139.7	9.70	246.4	6.62	168.2	.38	9.7	7.55
56GL-56FL90	7305-06365	3 1/2	88.9	4.50	114.3	5.63	143.0	10.17	258.3	6.53	165.9	.38	9.7	7.66
56GL-64FL90	7305-06395	3 1/2	88.9	5.00	127.0	6.90	175.3	10.09	256.3	6.45	163.8	.38	9.7	11.30
64GL-64FL90	7305-06645	4	101.6	5.00	127.0	7.38	187.5	12.61	320.3	8.58	217.9	.38	9.7	15.70

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

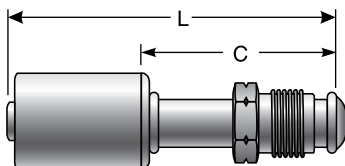
EQUIPMENT AND PARTS



# PolarSeal® Couplings

## Male SAE 45° Flare - Aluminum

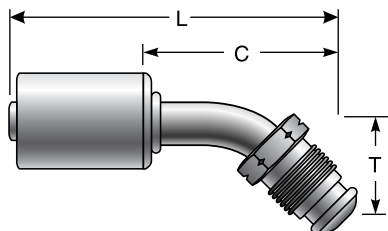
**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.			L	C	Weight
		"	"	"	"	Lbs.
6ACA-6MS	7332-00015	5/16	5/8-18	3.38	2.13	.50
8ACA-8MS	7332-00025	13/32	3/4-16	3.50	2.25	.66
10ACA-10MS	7332-00035	1/2	7/8-14	3.81	2.56	.50
12ACA-12MS	7332-00045	5/8	1 1/16-14	4.00	2.75	.20

## Male SAE 45° Flare - 45° Bent Tube - Aluminum

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.			T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6MS45	7332-00055	5/16	5/8-18	.94	3.25	2.00	.08
8ACA-8MS45	7332-00065	13/32	3/4-16	1.06	3.50	2.25	.10
10ACA-10MS45	7332-00075	1/2	7/8-14	1.12	3.87	2.62	.16
12ACA-12MS45	7332-00085	5/8	1 1/16-14	1.25	4.25	3.00	.22

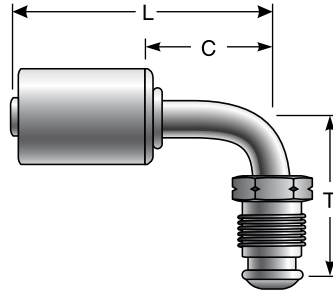
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# PolarSeal® Couplings

## Male SAE 45° Flare - 90° Bent Tube - Aluminum

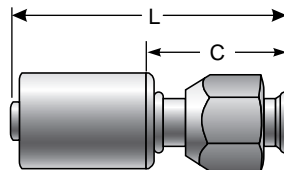
Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
6ACA-6MS90	7332-00095	5/16	5/8-18	1.75	2.56	1.31	.10
8ACA-8MS90	7332-00105	13/32	3/4-16	1.81	2.75	1.50	.10
10ACA-10MS90	7332-00115	1/2	7/8-14	2.19	3.00	1.75	.16
12ACA-12MS90	7332-00125	5/8	1 1/16-14	2.45	3.25	2.00	.24

## Female SAE 45° Flare Swivel - Aluminum

Features Advantages: OEM quality couplings in 64 configurations.

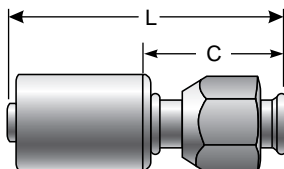



Descr.	Prod. No.	⊖		L	C	Weight
		"		"	"	Lbs.
6ACA-6FSX	7332-00135	5/16	5/8-18	2.88	1.63	.08
6ACA-8FSX	7332-00145	5/16	3/4-16	2.69	1.44	.12
8ACA-6FSX	7332-02825	13/32	5/8-18	2.69	1.44	.10
8ACA-8FSX	7332-00155	13/32	3/4-16	2.69	1.44	.10
10ACA-8FSX	7332-02835	1/2	3/4-16	3.00	1.75	.15
10ACA-10FSX	7332-00165	1/2	7/8-14	3.00	1.75	.20
12ACA-10FSX	7332-00175	5/8	7/8-14	3.25	2.00	.20
12ACA-12FSX	7332-00185	5/8	1 1/16-14	3.25	2.00	.28

# PolarSeal® Couplings

## Female SAE 45° Flare Swivel - Steel

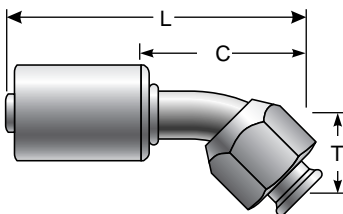
Features Advantages: OEM quality couplings in 64 configurations.




Descr.	Prod. No.	⊖		L	C	Weight
		"	"	"	"	Lbs.
6ACA-6FSX-S	7332-01755	5/16	5/8-18	2.88	1.60	.12
8ACA-8FSX-S	7332-01765	13/32	3/4-16	2.69	1.44	.18
10ACA-10FSX-S	7332-01775	1/2	7/8-14	3.00	1.75	.26

## Female SAE 45° Flare Swivel - 45° Bent Tube - Aluminum

Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6FSX45	7332-00195	5/16	5/8-18	.56	2.87	1.62	.10
6ACA-8FSX45	7332-02845	5/16	3/4-16	.63	3.04	1.79	.15
8ACA-6FSX45	7332-02855	13/32	5/8-18	.63	3.04	1.79	.10
8ACA-8FSX45	7332-00205	13/32	3/4-16	.63	3.07	1.82	.12
10ACA-8FSX45	7332-02865	1/2	3/4-16	.88	3.60	2.35	.15
10ACA-10FSX45	7332-00215	1/2	7/8-14	.88	3.63	2.38	.20
12ACA-10FSX45	7332-02875	5/8	7/8-14	1.00	3.97	2.72	.25
12ACA-12FSX45	7332-00225	5/8	1 1/16-14	1.00	4.00	2.75	.28

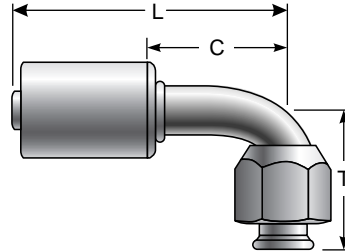
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# PolarSeal® Couplings

## Female SAE 45° Flare Swivel - 90° Bent Tube - Aluminum

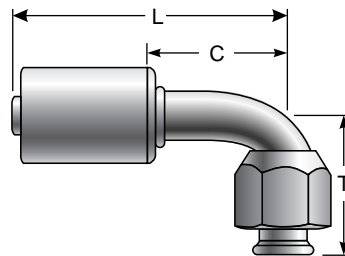
Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
6ACA-6FSX90	7332-00235	5/16	5/8-18	1.06	2.56	1.31	.10
6ACA-8FSX90	7332-00245	5/16	3/4-16	1.25	2.75	1.50	.12
8ACA-6FSX90	7332-02885	13/32	5/8-18	1.25	2.75	1.50	.10
8ACA-8FSX90	7332-00255	13/32	3/4-16	1.25	2.75	1.50	.14
10ACA-8FSX90	7332-02895	1/2	3/4-16	1.50	3.00	1.75	.15
10ACA-10FSX90	7332-00265	1/2	7/8-14	1.50	3.00	1.75	.18
12ACA-10FSX90	7332-00275	5/8	7/8-14	1.50	3.25	2.00	.22
12ACA-12FSX90	7332-00285	5/8	1 1/16-14	1.50	3.85	2.00	.28

## Female SAE 45° Flare Swivel - 90° Bent Tube - Steel

Features Advantages: OEM quality couplings in 64 configurations.



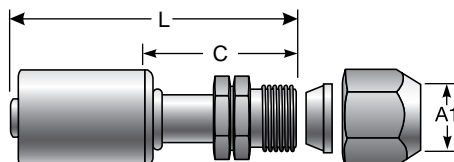
Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
6ACA-6FSX90-S	7332-01785	5/16	5/8-18	1.06	2.56	1.31	.12
8ACA-8FSX90-S	7332-01795	13/32	3/4-16	1.25	2.75	1.50	.22
10ACA-10FSX90-S	7332-01805	1/2	7/8-14	1.50	3.00	1.75	.30

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS**
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

# PolarSeal® Couplings

## Male SAE Flareless Assembly - Aluminum

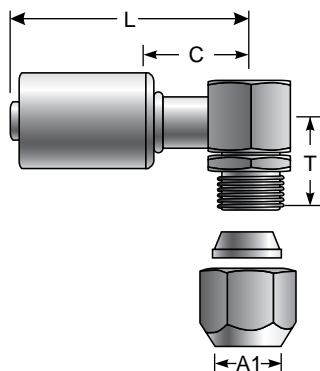
**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		⊖ A1	L	C	Weight
		"		"			
6ACA-6MFA	7332-00295	5/16	5/8-18	3/8	2.69	1.44	.16
6ACA-8MFA	7332-02905	5/16	3/4-16	1/2	2.81	1.56	.20
8ACA-6MFA	7332-02915	13/32	5/8-18	3/8	2.75	1.50	.20
8ACA-8MFA	7332-00305	13/32	3/4-16	1/2	2.88	1.63	.22
8ACA-10MFA	7332-00315	13/32	7/8-14	5/8	3.00	1.75	.34
10ACA-8MFA	7332-00325	1/2	3/4-16	1/2	2.94	1.69	.22
10ACA-10MFA	7332-00335	1/2	7/8-14	5/8	3.00	1.75	.32
12ACA-10MFA	7332-00345	5/8	7/8-14	5/8	3.13	1.88	.50
12ACA-12MFA	7332-00355	5/8	1 1/16-12	3/4	3.25	2.00	.50

## Male SAE Flareless Assembly - 90° Block - Aluminum

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		⊖ A1	T	L	C	Weight
		"		"	"			
6ACA-6MFA90	7332-00365	5/16	5/8-18	3/8	.78	2.24	.99	.18
6ACA-8MFA90	7332-02925	5/16	3/4-16	1/2	.96	2.31	1.06	.20
8ACA-6MFA90	7332-02935	13/32	5/8-18	3/8	.78	2.28	1.03	.20
8ACA-8MFA90	7332-00375	13/32	3/4-16	1/2	.96	2.37	1.12	.26
8ACA-10MFA90	7332-00385	13/32	7/8-14	5/8	1.08	2.43	1.18	.28
10ACA-8MFA90	7332-00395	1/2	3/4-16	1/2	.96	2.38	1.13	.28
10ACA-10MFA90	7332-00405	1/2	7/8-14	5/8	1.08	2.44	1.19	.38
12ACA-10MFA90	7332-00415	5/8	7/8-14	5/8	1.08	2.56	1.31	.28
12ACA-12MFA90	7332-00425	5/8	1 1/16-12	3/4	1.19	2.66	1.41	.58

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

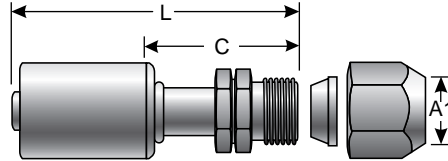




# PolarSeal® Couplings

## Male Metric Flareless Assembly - Aluminum

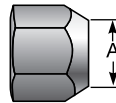
**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		⊘ A1	L	C	Weight
		"		mm			"
6ACA-8MMFA	7332-01025	5/16	5/8-18	8.0	2.77	1.52	.14
8ACA-12MMFA	7332-01035	13/32	3/4-16	12.0	3.00	1.75	.22
10ACA-14.5MMFA	7332-01045	1/2	7/8-14	14.5	3.12	1.87	.34

## Female Flareless Nut - Aluminum

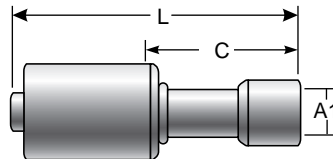
**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.		⊘ A1	Weight
			"	Lbs.
8ACFFN	7332-04145	3/4-16	1/2	.05

## Female Braze-On Stems - Aluminum

**Features Advantages:** OEM quality couplings in 64 configurations.

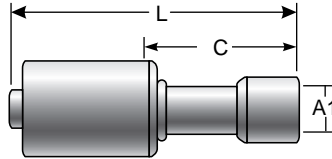


Descr.	Prod. No.	⊖	⊘ A1	L	C	Weight
		"	"			"
6ACA-6FBO	7332-02945	5/16	3/8	2.10	.85	.05
8ACA-8FBO	7332-02955	13/32	1/2	2.10	.85	.05
10ACA-10FBO	7332-02965	1/2	5/8	2.10	.85	.10
12ACA-10FBO	7332-02975	5/8	5/8	2.10	.85	.10
12ACA-12FBO	7332-02985	5/8	3/4	2.10	.85	.10

# PolarSeal® Couplings

## Female Braze-On Stems - Steel

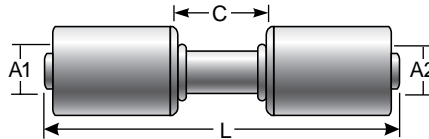
**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	⊕ A1	L	C	Weight
		"	"	"	"	Lbs.
6ACA-6FBO-S	7332-01905	5/16	3/8	2.10	.85	.06
8ACA-8FBO-S	7332-01915	13/32	1/2	2.10	.85	.08
10ACA-10FBO-S	7332-01925	1/2	5/8	2.10	.85	.10
12ACA-10FBO-S	7332-01945	5/8	5/8	2.10	.85	.12
12ACA-12FBO-S	7332-01935	5/8	3/4	2.10	.85	.12

## Hose Length Extender - Aluminum

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	⊕		L	C	Weight
		"	A1	A2	"	"	Lbs.
6ACA-6HLE	7332-01385	5/16	5/16	5/16	4.00	1.50	.08
6ACA-8HLE	7332-01395	5/16	5/16	13/32	4.00	1.50	.10
8ACA-8HLE	7332-01405	13/32	13/32	13/32	4.00	1.50	.12
8ACA-10HLE	7332-01415	13/32	13/32	1/2	4.13	1.63	.12
10ACA-10HLE	7332-01425	1/2	1/2	1/2	4.13	1.63	.14
12ACA-10HLE	7332-02995	5/8	5/8	1/2	4.25	1.75	.15
12ACA-12HLE	7332-01435	5/8	5/8	5/8	4.25	1.75	.16

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

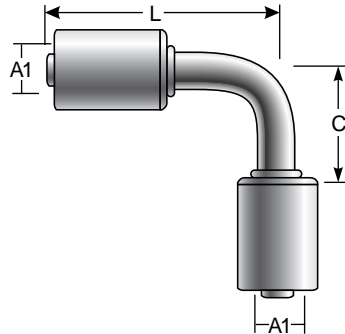


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# PolarSeal® Couplings

## Hose Length Extender - 90° Bent Tube - Aluminum

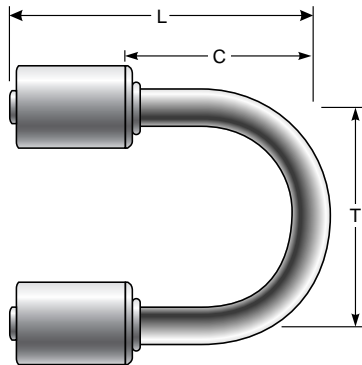
Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	⊙ A1	L	C	Weight
		"	"	"	"	Lbs.
6ACA-6HLE90	7332-01445	5/16	5/16	2.50	1.25	.08
8ACA-8HLE90	7332-01455	13/32	13/32	2.62	1.37	.12
10ACA-10HLE90	7332-01465	1/2	1/2	2.88	1.63	.14
12ACA-12HLE90	7332-01475	5/8	5/8	3.25	2.00	.18

## Hose Length Extender - 180° Bent Tube - Aluminum

Features Advantages: OEM quality couplings in 64 configurations.

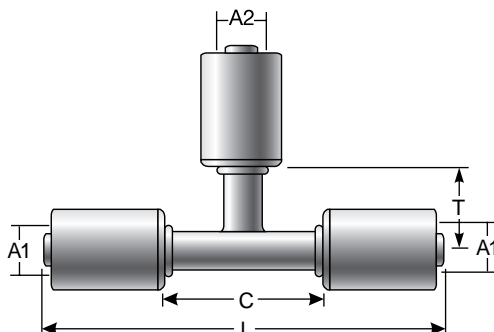


Descr.	Prod. No.	⊖	T	L	C	Weight
		"	"	"	"	Lbs.
6ACA-6HLE180	7332-02255	5/16	3.00	3.88	2.63	.18
8ACA-8HLE180	7332-02265	13/32	3.00	4.00	2.75	.14
10ACA-10HLE180	7332-02275	1/2	3.00	4.13	2.88	.20
12ACA-12HLE180	7332-02285	5/8	3.00	4.50	3.25	.22

# PolarSeal® Couplings

## Hose Length Extender - Tee - Aluminum

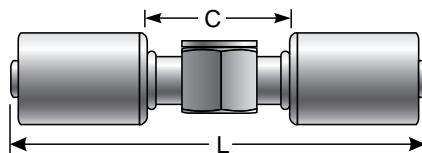
**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	⊕		T	L	C	Weight
		"	A1	A2	"	"	"	Lbs.
6ACA-6HLET	7332-02295	5/16	5/16	5/16	1.13	4.75	2.25	.15
8ACA-8HLET	7332-02305	13/32	13/32	13/32	1.19	4.88	2.38	.18
10ACA-10HLET	7332-02315	1/2	1/2	1/2	1.25	5.00	2.50	.20
12ACA-10HLET	7332-03015	5/8	5/8	1/2	1.34	5.25	2.75	.25
12ACA-12HLET	7332-02325	5/8	5/8	5/8	1.37	5.25	2.75	.24

## Hose Length Extender with Sight Glass - Aluminum

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	L	C	Weight
		"	"	"	Lbs.
6ACA-6HLESG	7332-01485	5/16	4.12	1.62	.22

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



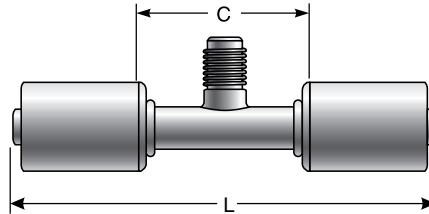


# PolarSeal® Couplings

## Hose Splicer with R12 Thread Service Port - Aluminum

Service Ports: High Side; 6-8 Hose; 3/8" Schrader Valve  
Service Ports: Low Side; 10-12 Hose; 1/4" Schrader Valve

Features Advantages: OEM quality couplings in 64 configurations.

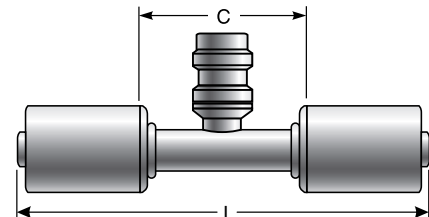


Descr.	Prod. No.	⊖	L	C	Weight
		"	"	"	Lbs.
6ACA-R12SP	7332-01135	5/16	4.50	2.00	.10
8ACA-R12SP	7332-01145	13/32	4.50	2.00	.14
10ACA-R12SP	7332-01155	1/2	4.63	2.13	.60
12ACA-R12SP	7332-01165	5/8	4.75	2.25	.18

## Hose Splicer with R134a Service Port - Aluminum

Service Ports: High Side; 6-8 Hose; 3/8" Schrader Valve  
Service Ports: Low Side; 10-12 Hose; 1/4" Schrader Valve

Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	L	C	Weight
		"	"	"	Lbs.
6ACA-R134SP	7332-01175	5/16	4.50	2.00	.12
8ACA-R134SP	7332-01185	13/32	4.50	2.00	.14
10ACA-R134SP	7332-01195	1/2	4.63	2.13	.50
12ACA-R134SP	7332-01205	5/8	4.75	2.25	.18

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS**
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

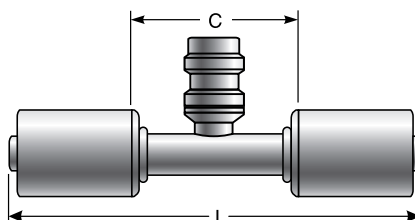


# PolarSeal® Couplings

## Hose Splicer with R134a Service Port - Steel

Pressure Ports: High Side; 6-8 Hose  
 Pressure Ports: Low Side; 10-12 Hose

**Features Advantages:** OEM quality couplings in 64 configurations.

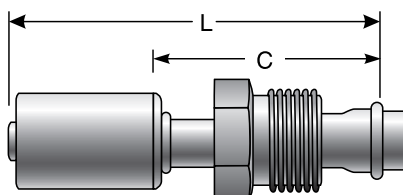



Descr.	Prod. No.	⊖	L	C	Weight
		"	"	"	Lbs.
6ACA-R134SP-S	7332-01955	5/16	4.50	2.00	.18
8ACA-R134SP-S	7332-01965	13/32	4.50	2.00	.24
10ACA-R134SP-S	7332-01975	1/2	4.63	2.13	.26
12ACA-R134SP-S	7332-03005	5/8	4.75	2.25	.30

## Male SAE Tube O-Ring Nut Swivel - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		L	C	Weight
		"	"	"	"	Lbs.
6ACA-6MTON	7332-00435	5/16	5/8-18	3.19	1.94	.50
6ACA-7MTON	7332-02115	5/16	11/16-16	3.00	1.75	.10
6ACA-8MTON	7332-03065	5/16	3/4-18	3.25	2.00	.10
8ACA-6MTON	7332-03075	13/32	5/8-18	3.25	2.00	.10
8ACA-8MTON	7332-00445	13/32	3/4-18	3.25	2.00	.12
10ACA-10MTON	7332-00455	1/2	7/8-18	3.38	2.13	.14
12ACA-10MTON	7332-03085	5/8	7/8-18	3.88	2.63	.15
12ACA-12MTON	7332-00465	5/8	1 1/16-12	3.88	2.63	.22

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



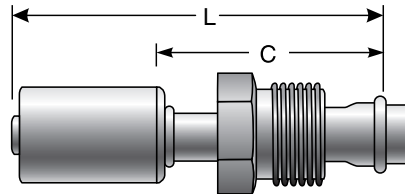



# PolarSeal® Couplings

## Male SAE Tube O-Ring Nut Swivel - Steel

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.

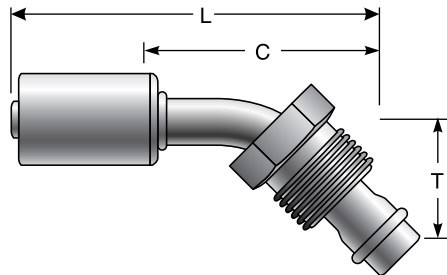



Descr.	Prod. No.	⊖		L	C	Weight
		"	"	"	"	Lbs.
6ACA-6MTON-S	7332-01285	5/16	5/8-18	3.19	1.94	.10
6ACA-7MTON-S	7332-02125	5/16	11/16-16	3.00	1.75	.12
10ACA-10MTON-S	7332-01865	1/2	7/8-18	3.38	2.13	.20

## Male SAE Tube O-Ring Nut - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6MTON45	7332-00475	5/16	5/8-18	.88	3.19	1.94	.10
6ACA-8MTON45	7332-03095	5/16	3/4-18	1.00	3.47	2.22	.10
8ACA-6MTON45	7332-03105	13/32	5/8-18	1.00	3.47	2.22	.10
8ACA-8MTON45	7332-00485	13/32	3/4-18	1.00	3.44	2.19	.12
10ACA-10MTON45	7332-00495	1/2	7/8-18	1.06	3.81	2.56	.16
12ACA-12MTON45	7332-00505	5/8	1 1/16-12	1.19	4.19	2.94	.22

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

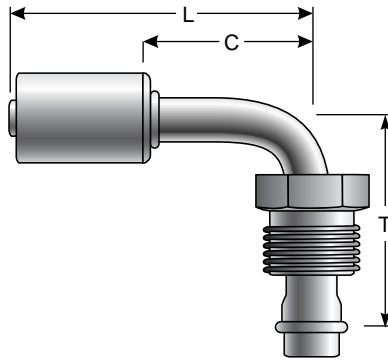



# PolarSeal® Couplings

## Male SAE Tube O-Ring Nut - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

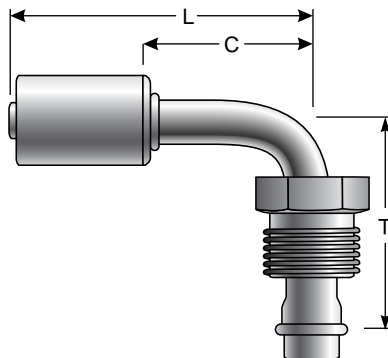



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
6ACA-6MTON90	7332-00515	5/16	5/8-18	1.63	2.56	1.31	.08
6ACA-7MTON90	7332-03115	5/16	11/16-16	1.56	2.56	1.31	.10
6ACA-8MTON90	7332-03125	5/16	3/4-18	1.88	2.75	1.50	.10
8ACA-6MTON90	7332-03135	13/32	5/8-18	1.88	2.75	1.50	.10
8ACA-8MTON90	7332-00525	13/32	3/4-18	1.88	2.75	1.50	.20
10ACA-10MTON90	7332-00535	1/2	7/8-18	2.12	3.00	1.75	.16
12ACA-10MTON90	7332-03145	5/8	7/8-18	2.25	3.25	2.00	.20
12ACA-12MTON90	7332-00545	5/8	1 1/16-12	2.25	3.25	2.00	.14

## Male SAE Tube O-Ring Nut - 90° Bent Tube - Steel

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
6 MOR/LP-6 SB-90-STL	7332-01295	5/16	5/8-18	1.63	2.56	1.31	.16
10ACA-10MTON90-S	7332-01875	1/2	7/8-18	2.12	3.00	1.75	.24

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

K13



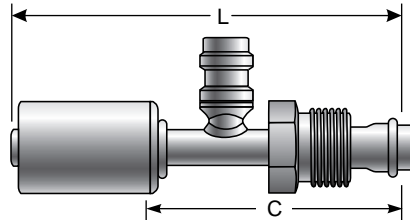
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# PolarSeal® Couplings

## Male SAE Tube O-Ring Nut Swivel with R134a Service Port - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

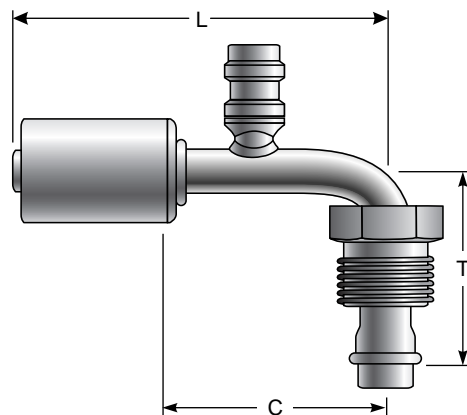


Descr.	Prod. No.			L	C	Weight
		"	"	"	"	Lbs.
6ACA-6MTON134SP	7332-03025	5/16	5/8-18	3.35	2.10	.15
8ACA-8MTON134SP	7332-03035	13/32	3/4-18	3.35	2.10	.15
10ACA-10MTON134SP	7332-03045	1/2	7/8-18	3.59	2.34	.20
12ACA-12MTON134SP	7332-03055	5/8	1 1/16-12	3.72	2.47	.25

## Male SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



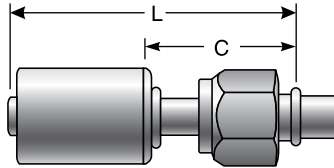
Descr.	Prod. No.			T	L	C	Weight
		"	"	"	"	"	Lbs.
10ACA-10MTON134SP90	7332-02585	1/2	7/8-18	1.50	3.85	2.60	.20

# PolarSeal® Couplings

## Female SAE Tube O-Ring Nut Swivel - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



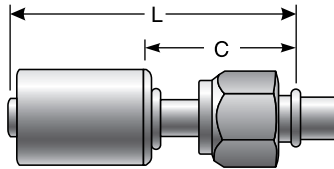
Descr.	Prod. No.			L	C	Weight
		"	"	"	"	Lbs.
6ACA-5FTON*	7332-00635	5/16	9/16-18	2.81	1.56	.10
6ACA-6FTON	7332-00645	5/16	5/8-18	2.88	1.63	.10
6ACA-8FTON	7332-00655	5/16	3/4-16	3.00	1.75	.12
8ACA-6FTON	7332-03165	13/32	5/8-18	3.00	1.75	.10
8ACA-8FTON	7332-00665	13/32	3/4-16	3.00	1.75	.10
10ACA-8FTON	7332-01505	1/2	3/4-16	3.19	1.94	.16
10ACA-10FTON	7332-00675	1/2	7/8-14	3.19	1.94	.20
10ACA-12FTON	7332-01515	1/2	1 1/16-14	3.31	2.06	.28
12ACA-10FTON	7332-00685	5/8	7/8-14	3.31	2.06	.24
12ACA-12FTON	7332-00695	5/8	1 1/16-14	3.31	2.06	.30

\* Standard and Metric threads are equivalent for 6ACA-14FTON and 6ACA-5FTON. ^Used on Toyota Receivers and Dryers.

## Female SAE Tube O-Ring Nut Swivel - Steel

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.			L	C	Weight
		"	"	"	"	Lbs.
6ACA-6FTON-S	7332-01275	5/16	5/8-18	2.88	1.63	.12
8ACA-8FTON-S	7332-01645	13/32	3/4-16	3.00	1.75	.12
10ACA-10FTON-S	7332-01655	1/2	7/8-14	3.19	1.94	.28
12ACA-10FTON-S	7332-01815	5/8	1 1/16-14	3.31	2.06	.30
12ACA-12FTON-S	7332-03175	5/8	1 1/16-14	3.31	2.06	.30

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

**POLARSEAL COUPLINGS**

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

gates.com/hydraulics

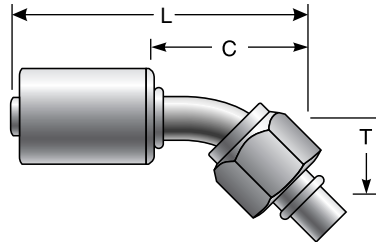
K15

# PolarSeal® Couplings

## Female SAE Tube O-Ring Nut Swivel - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

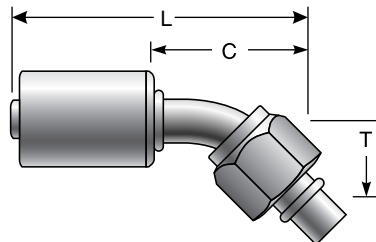


Descr.	Prod. No.			T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6FTON45	7332-00705	5/16	5/8-18	.56	2.87	1.52	.10
8ACA-6FTON45	7332-03185	13/32	5/8-18	.63	3.04	1.79	.10
8ACA-8FTON45	7332-00715	13/32	3/4-16	.63	3.07	1.82	.12
10ACA-8FTON45	7332-03195	1/2	3/4-16	.88	3.60	2.35	.15
10ACA-10FTON45	7332-00725	1/2	7/8-14	.88	3.63	2.38	.22
12ACA-10FTON45	7332-03205	5/8	7/8-14	.94	3.91	2.66	.25
12ACA-12FTON45	7332-00735	5/8	1 1/16-14	.94	3.94	2.69	.30

## Female SAE Tube O-Ring Nut Swivel - 45° Bent Tube - Steel

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.			T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6FTON45-S	7332-01665	5/16	5/8-18	.56	2.87	1.52	.14
8ACA-8FTON45-S	7332-02055	13/32	3/4-16	.63	3.07	1.82	.20
10ACA-10FTON45-S	7332-01675	1/2	7/8-14	.88	3.63	2.38	.30

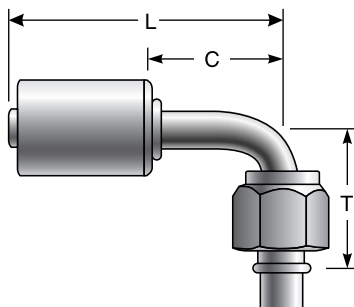
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS


# PolarSeal® Couplings

## Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



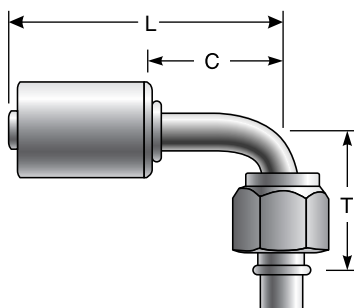
Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
6ACA-5FTON90*	7332-00745	5/16	9/16-18	1.12	2.75	1.63	.10
6ACA-6FTON90	7332-00755	5/16	5/8-18	1.12	2.56	1.31	.10
6ACA-8FTON90	7332-00765	5/16	3/4-16	1.31	2.75	1.50	.12
8ACA-6FTON90	7332-03155	13/32	5/8-18	1.31	2.75	1.50	.10
8ACA-8FTON90	7332-00775	13/32	3/4-16	1.31	2.75	1.50	.14
10ACA-8FTON90	7332-01545	1/2	3/4-16	1.50	3.00	1.75	.14
10ACA-10FTON90	7332-00785	1/2	7/8-14	1.50	3.00	1.75	.20
10ACA-12FTON90	7332-01555	1/2	1 1/16-14	1.75	3.25	2.00	.28
12ACA-10FTON90	7332-00795	5/8	7/8-14	1.75	3.25	2.00	.24
12ACA-12FTON90	7332-00805	5/8	1 1/16-14	1.75	3.25	2.00	.32


\* Used on Toyota Receivers and Dryers.

## Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Steel

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
6ACA-6FTON90-S	7332-01305	5/16	5/8-18	1.12	2.56	1.31	.14

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# PolarSeal® Couplings

## Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Steel -

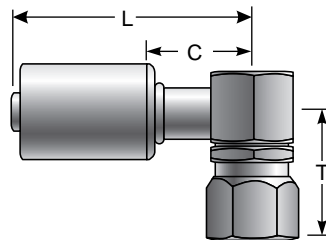
Cont'd

Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	Lbs.	
8ACA-8FTON90-S	7332-01685	13/32	3/4-16	1.31	2.75	1.50	.20
10ACA-10FTON90-S	7332-01695	1/2	7/8-14	1.50	3.00	1.75	.32
12ACA-10FTON90-S	7332-01825	5/8	7/8-14	1.50	3.25	2.00	.34

## Female SAE Tube O-Ring Nut Swivel - 90° Block - Steel

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.

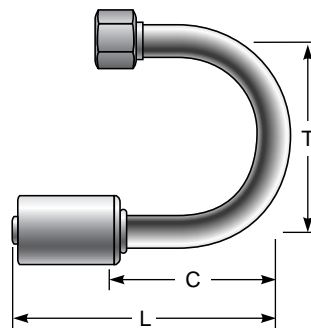


Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	Lbs.	
8ACA-8FTON90BL-S	7332-01835	13/32	3/4-16	.71	2.44	1.19	.28
10ACA-10FTON90BL-S	7332-01845	1/2	7/8-14	.71	2.50	1.25	.34
12ACA-10FTON90BL-S	7332-01855	5/8	7/8-14	.71	2.62	1.37	.34

## Female SAE Tube O-Ring Nut - 180° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.



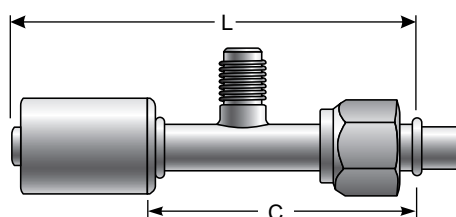
Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	Lbs.	
6ACA-6FTON180	7332-03575	5/16	5/8-18	1.63	3.50	2.25	.10
8ACA-8FTON180	7332-03585	13/32	3/4-16	1.75	3.50	2.25	.15
12ACA-12FTON180	7332-03595	5/8	1 1/16-14	2.12	4.50	3.25	.35

# PolarSeal® Couplings

## Female SAE Tube O-Ring Nut Swivel with R12 Service Port - Aluminum

O-Ring not included. Must be ordered separately.  
 Service Ports: High Side; 6-8 Hose; 3/8" Schrader Valve  
 Service Ports: Low Side; 10-12 Hose; 1/4" Schrader Valve

**Features Advantages:** OEM quality couplings in 64 configurations.

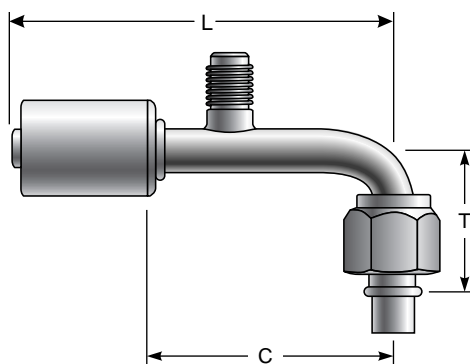


Descr.	Prod. No.	⊖	🌀	L	C	Weight
		"	"	"	"	Lbs.
6ACA-6FTONR12SP	7332-01985	5/16	5/8-18	3.38	2.13	.10
8ACA-8FTONR12SP	7332-01995	13/32	3/4-16	3.38	2.13	.12
10ACA-10FTONR12SP	7332-02005	1/2	7/8-14	3.62	2.37	.18

## Female SAE Tube O-Ring Nut Swivel with R12 Service Port - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	🌀	T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6FTONR12SP90	7332-02015	5/16	5/8-18	1.12	3.62	2.37	.14
8ACA-8FTONR12SP90	7332-02025	13/32	3/4-16	1.31	3.62	2.37	.18
10ACA-10FTONR12SP90	7332-02035	1/2	7/8-14	1.50	3.88	2.63	.24
12ACA-10FTONR12SP90	7332-02045	5/8	7/8-14	1.75	4.19	2.94	.28

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





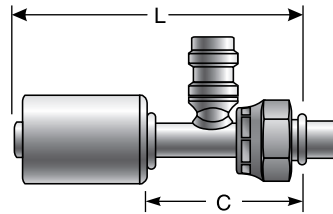
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# PolarSeal® Couplings

## Female SAE Tube O-Ring Nut Swivel with R134a Service Port - Aluminum

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.

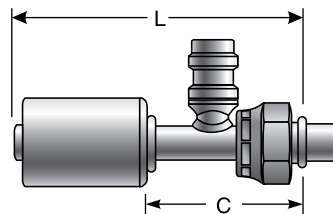


Descr.	Prod. No.			L	C	Weight
		"	"	"	"	Lbs.
6ACA-6FTON134SP	7332-00555	5/16	5/8-18	3.38	2.13	.10
8ACA-8FTON134SP	7332-00565	13/32	3/4-16	3.38	2.13	.68
10ACA-10FTON134SP	7332-00575	1/2	7/8-14	3.62	2.37	.18
12ACA-10FTON134SP	7332-00585	5/8	7/8-14	3.75	2.50	.14

## Female SAE Tube O-Ring Nut Swivel with R134a Service Port - Steel

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.			L	C	Weight
		"	"	"	"	Lbs.
8ACA-8FTON134SP-S	7332-02685	13/32	3/4-16	3.30	2.05	.25
10ACA-10FTON134SP-S	7332-02695	1/2	7/8-14	3.62	2.37	.35

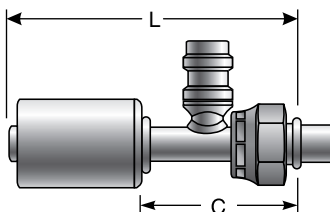


# PolarSeal® Couplings

## Female SAE Tube O-Ring Nut Swivel with R134a High Pressure Service Port - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

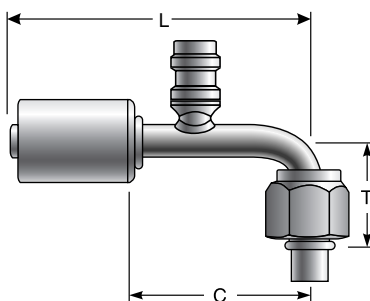


Descr.	Prod. No.			L	C	Weight
		"	"	"	"	Lbs.
10ACA-10FTON134SPH	7332-04245	1/2	7/8-14	3.62	2.37	.18

## Female SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.			T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6FTON134SP90	7332-00595	5/16	5/8-18	1.12	3.62	2.37	.12
8ACA-8FTON134SP90	7332-00605	13/32	3/4-14	1.31	3.62	2.37	.18
10ACA-10FTON134SP90	7332-00615	1/2	7/8-14	1.50	3.88	2.63	.24
12ACA-10FTON134SP90	7332-00625	5/8	7/8-14	1.75	4.19	2.94	.28

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





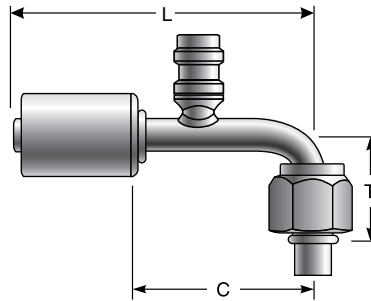



# PolarSeal® Couplings

## Female SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Steel

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.

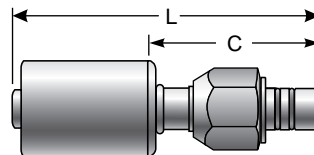



Descr.	Prod. No.	⊖		T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6FTON134SP90-S	7332-02075	5/16	5/8-18	1.12	3.62	2.37	.20
8ACA-8FTON134SP90-S	7332-01705	13/32	3/4-16	1.50	3.62	2.37	.40
10ACA-10FTON134SP90-S	7332-01715	1/2	7/8-14	1.75	3.88	2.63	.30
12ACA-10FTON134SP90-S	7332-02085	5/8	7/8-14	1.75	4.19	2.94	.38

## Female SAE Tube Dual O-Ring Nut - Aluminum

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		L	C	Weight
		"	"	"	"	Lbs.
8ACA-8FTDON	7332-03395	13/32	13/16-16	3.55	2.30	.20
10ACA-10FTDON	7332-03405	1/2	15/16-16	3.79	2.54	.25
12ACA-12FTDON	7332-03415	5/8	1 1/16-14	3.96	2.71	.30

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS**
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

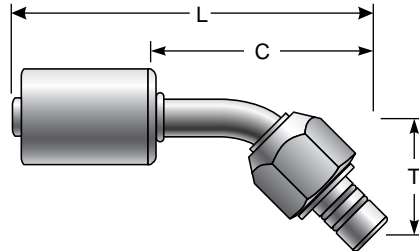



# PolarSeal® Couplings

## Female SAE Tube Dual O-Ring Nut - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

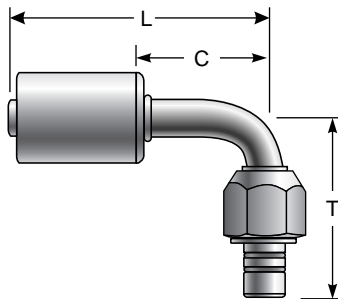



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
8ACA-8FTDON45	7332-03425	13/32	13/16-16	1.02	3.43	2.18	.20
10ACA-10FTDON45	7332-03435	1/2	15/16-16	1.30	4.02	2.77	.25
12ACA-12FTDON45	7332-03445	5/8	1 1/16-14	1.40	4.37	3.12	.30

## Female SAE Tube Dual O-Ring Nut - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
8ACA-8FTDON90	7332-03455	13/32	13/16-16	1.86	2.75	1.50	.20
10ACA-10FTDON90	7332-03465	1/2	15/16-16	1.91	3.00	1.75	.25
12ACA-12FTDON90	7332-03475	5/8	1 1/16-14	2.40	3.25	2.00	.30

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

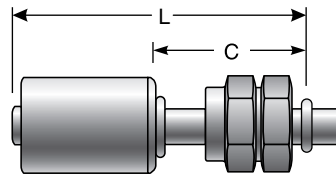


# PolarSeal® Couplings

## Female SAE Tube O-Ring Metric Nut Swivel - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

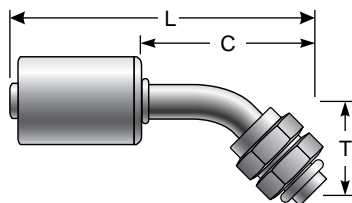


Descr.	Prod. No.	⊖		L	C	Weight
		"		"	"	Lbs.
6ACA-16FTOMN	7332-00815	5/16	M16X1.5	2.81	1.56	.12
6ACA-18FTOMN	7332-03215	5/16	M18X1.5	2.87	1.62	.10
6ACA-20FTOMN	7332-03225	5/16	M20X1.5	2.94	1.69	.15
8ACA-20FTOMN	7332-03235	13/32	M20X1.5	2.94	1.69	.15
10ACA-22FTOMN	7332-00825	1/2	M22X1.5	3.19	1.94	.16
10ACA-24FTOMN	7332-00835	1/2	M24X2.0	3.19	1.94	.20
12ACA-27FTOMN	7332-00845	5/8	M27X2.0	3.31	2.06	.28

## Female SAE Tube O-Ring Metric Nut Swivel - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



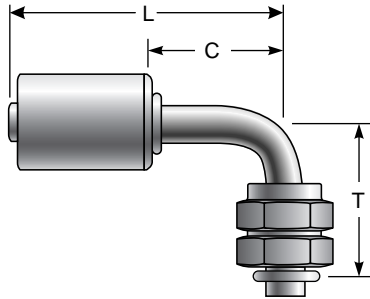
Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
6ACA-14FTOMN45	7332-03245	5/16	M14X1.5	.63	3.47	2.22	.10
6ACA-16FTOMN45	7332-03255	5/16	M16X1.5	.63	3.47	2.22	.10
6ACA-18FTOMN45	7332-03265	5/16	M18X1.5	.69	3.53	2.28	.15
6ACA-20FTOMN45	7332-03275	5/16	M20X1.5	.75	3.72	2.47	.15
8ACA-20FTOMN45	7332-03285	13/32	M20X1.5	.75	3.72	2.47	.15
10ACA-22FTOMN45	7332-03295	1/2	M22X1.5	.88	3.60	2.35	.20
10ACA-24FTOMN45	7332-03305	1/2	M24X2.0	.88	3.60	2.35	.25
12ACA-27FTOMN45	7332-03315	5/8	M27X2.0	1.00	4.59	3.34	.25


# PolarSeal® Couplings

## Female SAE Tube O-Ring Metric Nut Swivel - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

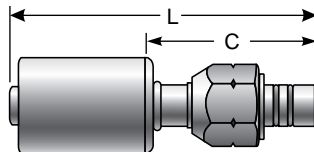



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	Lbs.	
6ACA-16FTOMN90	7332-00855	5/16	M16X1.5	1.12	2.75	1.50	.10
6ACA-18FTOMN90	7332-03325	5/16	M18X1.5	1.12	2.75	1.50	.15
6ACA-20FTOMN90	7332-03335	5/16	M20X1.5	1.25	2.75	1.50	.15
8ACA-20FTOMN90	7332-03345	13/32	M20X1.5	1.37	2.94	1.69	.15
10ACA-22FTOMN90	7332-00865	1/2	M22X1.5	1.63	3.13	1.88	.18
10ACA-24FTOMN90	7332-00875	1/2	M24X2.0	1.50	3.13	1.88	.20
12ACA-27FTOMN90	7332-00885	5/8	M27X2.0	1.75	3.38	2.13	.28

## Female SAE Tube Dual O-Ring Metric Nut - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		L	C	Weight
		"		"	"	Lbs.
8ACA-24FTDOMN	7332-03485	13/32	M24X2.0	3.55	2.30	.10
10ACA-24FTDOMN	7332-03495	1/2	M24X2.0	3.79	2.54	.20
12ACA-27FTDOMN	7332-03505	5/8	M27X2.0	3.96	2.71	.25

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

**POLARSEAL COUPLINGS**

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

K25



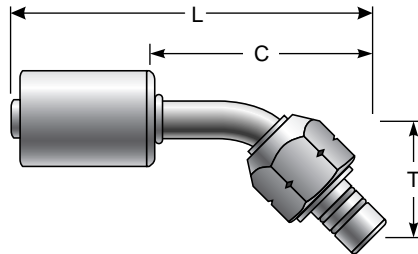
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## PolarSeal® Couplings

### Female SAE Tube Dual O-Ring Metric Nut - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.

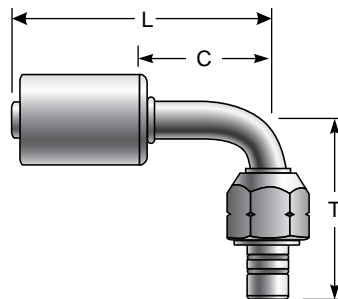


Descr.	Prod. No.			T	L	C	Weight
		"	"	"	"	"	Lbs.
8ACA-24FTDOMN45	7332-03515	13/32	M24X2.0	1.02	3.43	2.18	.15
10ACA-24FTDOMN45	7332-03525	1/2	M24X2.0	1.30	4.02	2.77	.20
12ACA-27FTDOMN45	7332-03535	5/8	M27X2.0	1.40	4.37	3.12	.30

### Female SAE Tube Dual O-Ring Metric Nut - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.			T	L	C	Weight
		"	"	"	"	"	Lbs.
8ACA-24FTDOMN90	7332-03545	13/32	M24X2.0	1.86	2.75	1.50	.20
10ACA-24FTDOMN90	7332-03555	1/2	M24X2.0	1.91	3.00	1.75	.20
12ACA-27FTDOMN90	7332-03565	5/8	M27X2.0	2.40	3.25	2.00	.25

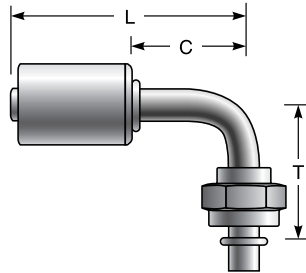



# PolarSeal® Couplings

## Compressor Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Steel

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

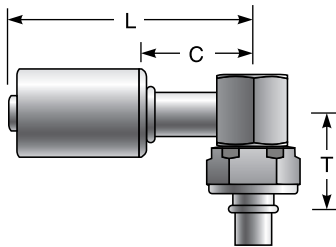



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
8ACA-10CFTON90-S	7332-02335	13/32	1-14	1.50	3.01	1.42	.25
12ACA-10CFTON90-S	7332-02065	5/8	1-14	1.63	3.18	1.60	.26

## Compressor Female SAE Tube O-Ring Nut Swivel - 90° Block - Steel

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
8ACA-10CFTON90BL-S	7332-02095	13/32	1-14	.80	3.02	1.43	.38
12ACA-10CFTON90BL-S	7332-02105	5/8	1-14	.80	3.14	1.55	.40

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



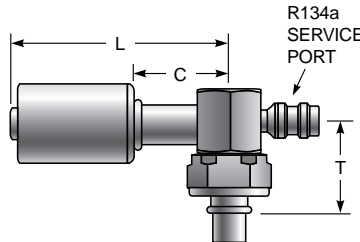
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS**
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

## PolarSeal® Couplings

### Compressor Female Tube O-Ring Nut with 134a Service Port - 90° Block - Steel

O-Ring not included. Must be ordered separately.

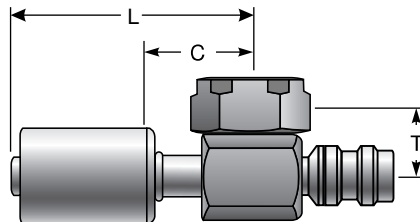
**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
8ACA-10CFTON134SP90BL-S	7332-03865	13/32	1-14	.78	2.45	1.20	.40
10ACA-10CFTON134SP90BL-S	7332-03875	1/2	1-14	.78	2.51	1.26	.40
12ACA-10CFTON134SP90BL-S	7332-02755	5/8	1-14	.78	2.67	1.42	.45

### Female Rotalok (Compressor Connection) with R134a Service Port - 90° Block - Aluminum

**Features Advantages:** OEM quality couplings in 64 configurations.



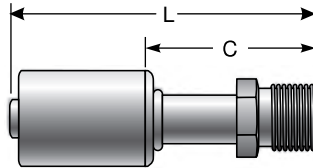
Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
8ACA-R134SP-RL	7332-01215	13/32	1-14	.78	2.45	1.20	.42
10ACA-R134SP-RL	7332-01225	1/2	1-14	.78	2.51	1.26	.42

# PolarSeal® Couplings

## Male Inverted O-Ring - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

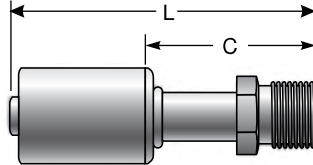


Descr.	Prod. No.			L	C	Weight
		"	"	"	"	Lbs.
6ACA-6MIO	7332-00895	5/16	5/8-18	2.94	1.69	.08
8ACA-8MIO	7332-00905	13/32	3/4-18	3.13	1.88	.12
10ACA-10MIO	7332-00915	1/2	7/8-14	3.62	2.37	.14
12ACA-12MIO	7332-00925	5/8	1 1/16-14	3.88	2.63	.20

## Male Inverted O-Ring - Steel

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.			L	C	Weight
		"	"	"	"	Lbs.
6ACA-6MIO-S	7332-01885	5/16	5/8-18	2.94	1.69	.10
8ACA-8MIO-S	7332-01895	13/32	3/4-18	3.13	1.88	.16
10ACA-10MIO-S	7332-03355	1/2	7/8-14	3.62	2.37	.20

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

**POLARSEAL COUPLINGS**

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

K29





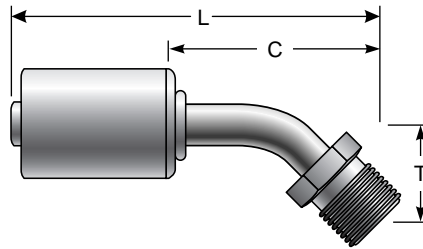
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# PolarSeal® Couplings

## Male Inverted O-Ring - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.

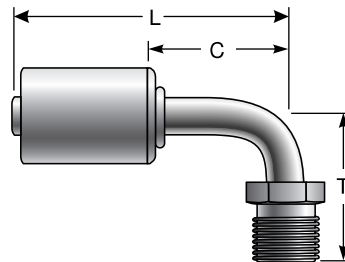


Descr.	Prod. No.			T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6MIO45	7332-03365	5/16	5/8-18	.75	3.03	1.78	.10
8ACA-8MIO45	7332-03375	13/32	3/4-18	1.00	3.41	2.16	.10
10ACA-10MIO45	7332-03385	1/2	7/8-14	1.25	3.97	2.72	.25

## Male Inverted O-Ring - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.			T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6MIO90	7332-00935	5/16	5/8-18	1.50	2.56	1.31	.08
8ACA-8MIO90	7332-00945	13/32	3/4-18	1.75	2.75	1.50	.10
10ACA-10MIO90	7332-00955	1/2	7/8-14	2.00	3.00	1.75	.14

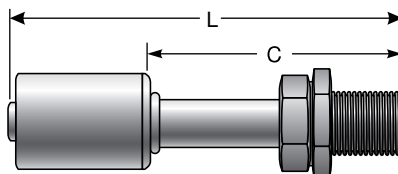


# PolarSeal® Couplings

## Male Inverted O-Ring Bulkhead - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

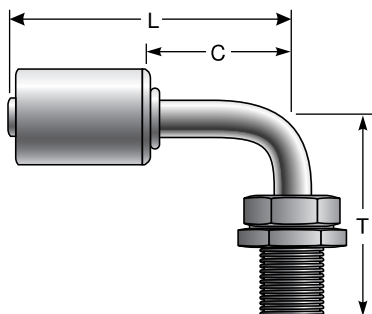


Descr.	Prod. No.	⊖	🌀	L	C	Weight
		"	"	"	"	Lbs.
6ACA-6MIOBKHD	7332-00965	5/16	5/8-18	4.00	2.75	.20
8ACA-8MIOBKHD	7332-00975	13/32	3/4-18	4.25	3.00	.22
10ACA-10MIOBKHD	7332-00985	1/2	7/8-14	4.44	3.19	.24

## Male Inverted O-Ring Bulkhead - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	🌀	T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6MIOBKHD90	7332-00995	5/16	5/8-18	2.12	3.13	1.88	.20
8ACA-8MIOBKHD90	7332-01005	13/32	3/4-18	2.44	3.25	2.00	.10
10ACA-10MIOBKHD90	7332-01015	1/2	7/8-14	2.50	3.50	2.25	.26

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



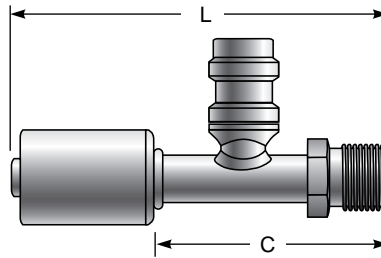
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## PolarSeal® Couplings

### Male Inverted O-Ring with R134a Service Port - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

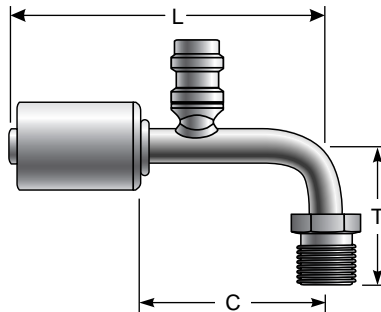


Descr.	Prod. No.	⊖		L	C	Weight
		"	"	"	"	Lbs.
6ACA-6MIO134SP	7332-03605	5/16	5/8-18	3.47	2.22	.10
8ACA-8MIO134SP	7332-03615	13/32	3/4-18	4.22	2.97	.15
10ACA-10MIO134SP	7332-03625	1/2	7/8-14	4.22	2.97	.15
12ACA-12MIO134SP	7332-03635	5/8	1 1/16-14	4.47	3.22	.25

### Male Inverted O-Ring with R134a Service Port - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

**Features Advantages:** OEM quality couplings in 64 configurations.

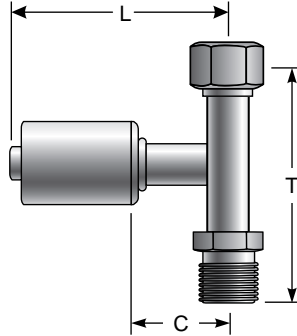



Descr.	Prod. No.	⊖		T	L	C	Weight
		"	"	"	"	"	Lbs.
6ACA-6MIO134SP90	7332-03645	5/16	5/8-18	1.50	3.59	2.34	.10
8ACA-8MIO134SP90	7332-03655	13/32	3/4-16	1.80	3.59	2.34	.15
10ACA-10MIO134SP90	7332-03665	1/2	7/8-14	2.00	3.85	2.60	.20

# PolarSeal® Couplings

## Universal Tee O-Ring Splicer English Threads - Aluminum

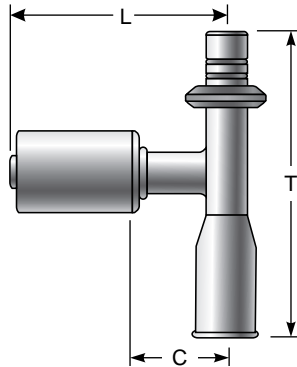
**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖		T	L	C	Weight
		"		"	"	"	Lbs.
6ACA-6TORSP	7332-03675	5/16	5/8-18	2.47	2.50	1.25	.15
6ACA-8TORSP	7332-03685	5/16	3/4-16	2.97	2.62	1.37	.20
10ACA-10TORSP	7332-03695	1/2	7/8-14	3.53	2.75	1.50	.30
10ACA-12TORSP	7332-03705	1/2	1 1/16-14	4.10	2.94	1.69	.45

## Female (Ford) Spring Lock Tee O-Ring Splicer - Aluminum

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	T	L	C	Weight
		"	"	"	"	Lbs.
6ACA-8FSLTORSP	7332-03735	5/16	1.72	5.13	3.88	.10
10ACA-12FSLTORSP	7332-03775	1/2	1.97	5.62	4.37	.20

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

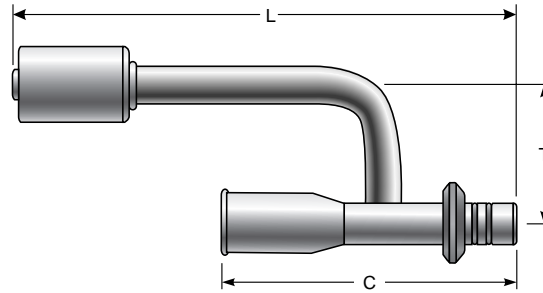




# PolarSeal® Couplings

## Female (Ford) Spring Lock Liquid Line Splicer - Aluminum

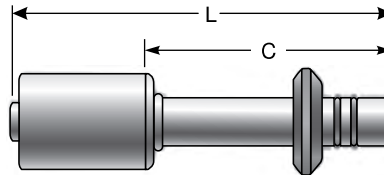
Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	T	L	C	Weight
		"	"	"	"	Lbs.
6ACA-8FSLSP	7332-03715	5/16	1.75	5.13	3.88	.15

## Male (Ford) Spring Lock - Aluminum

Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	L	C	Weight
		"	"	"	Lbs.
6ACA-6MSL	7332-01055	5/16	3.81	2.56	.22
6ACA-8MSL	7332-01575	5/16	3.88	2.63	.10
8ACA-8MSL	7332-01065	13/32	3.88	2.63	.55
10ACA-10MSL	7332-01075	1/2	4.00	2.75	.12
12ACA-10MSL	7332-01585	5/8	4.00	2.75	.14
12ACA-12MSL	7332-01085	5/8	4.25	3.00	.16

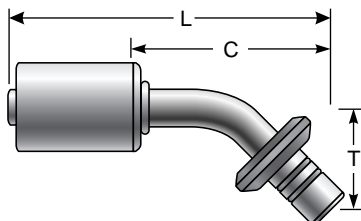
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# PolarSeal® Couplings

## Male (Ford) Spring Lock - 45° Bent Tube - Aluminum

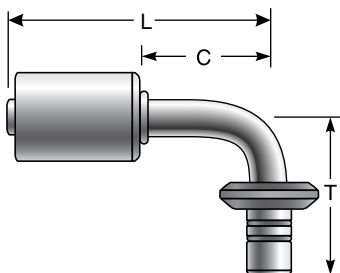
**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	T	L	C	Weight
		"	"	"	"	Lbs.
6ACA-6MSL45	7332-03725	5/16	1.25	3.97	2.72	.20
6ACA-8MSL45	7332-03745	5/16	1.31	4.09	2.84	.10
8ACA-8MSL45	7332-03755	13/32	1.31	4.09	2.84	.10
10ACA-10MSL45	7332-03765	1/2	1.63	4.48	3.23	.15
12ACA-10MSL45	7332-03785	5/8	1.63	4.48	3.23	.15
12ACA-12MSL45	7332-03795	5/8	1.75	4.72	3.47	.20

## Male (Ford) Spring Lock - 90° Bent Tube - Aluminum

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	T	L	C	Weight
		"	"	"	"	Lbs.
6ACA-6MSL90	7332-02135	5/16	2.19	2.88	1.63	.08
6ACA-8MSL90	7332-02185	5/16	2.38	3.12	1.88	.12
8ACA-8MSL90	7332-02145	13/32	2.38	2.94	1.69	.12
10ACA-10MSL90	7332-02155	1/2	2.50	1.95	1.89	.15
12ACA-10MSL90	7332-02175	5/8	2.50	3.13	1.89	.16
12ACA-12MSL90	7332-02165	5/8	2.38	3.69	2.44	.18

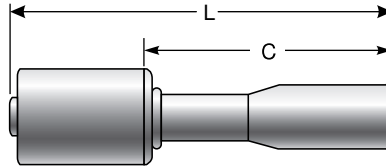
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# PolarSeal® Couplings

## Female (Ford) Spring Lock - Aluminum

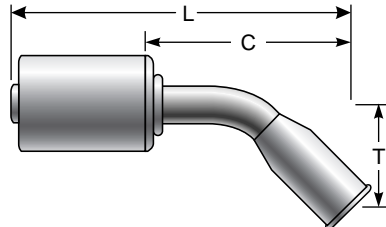
Features Advantages: OEM quality couplings in 64 configurations.



Descr.	Prod. No.	⊖	L	C	Weight
		"	"	"	Lbs.
6ACA-6FSL	7332-01095	5/16	3.81	2.56	.04
6ACA-8FSL	7332-01595	5/16	3.85	2.59	.06
8ACA-8FSL	7332-01105	13/32	3.88	2.63	.57
10ACA-10FSL	7332-01115	1/2	4.13	2.88	.08
12ACA-10FSL	7332-01605	5/8	4.28	3.10	.10
12ACA-12FSL	7332-01125	5/8	4.25	3.00	.02

## Female (Ford) Spring Lock - 45° Bent Tube - Aluminum

Features Advantages: OEM quality couplings in 64 configurations.



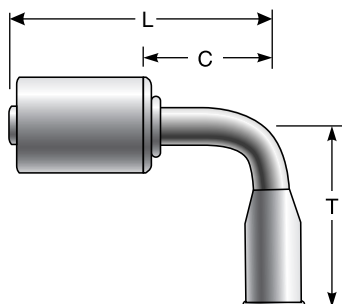
Descr.	Prod. No.	⊖	T	L	C	Weight
		"	"	"	"	Lbs.
6ACA-6FSL45	7332-03805	5/16	1.31	4.03	2.78	.05
6ACA-8FSL45	7332-03815	5/16	1.37	4.15	2.90	.05
8ACA-8FSL45	7332-03825	13/32	1.37	4.15	2.90	.15
10ACA-10FSL45	7332-03835	1/2	1.69	4.54	3.29	.10
12ACA-10FSL45	7332-03845	5/8	1.75	4.60	3.35	.15
12ACA-12FSL45	7332-03855	5/8	1.75	4.72	3.47	.15

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS**
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

# PolarSeal® Couplings

## Female (Ford) Spring Lock - 90° Bent Tube - Aluminum

**Features Advantages:** OEM quality couplings in 64 configurations.

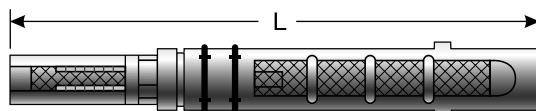


Descr.	Prod. No.	⌀	T	L	C	Weight
		"	"	"	"	Lbs.
6ACA-6FSL90	7332-02195	5/16	2.19	2.88	1.63	.06
6ACA-8FSL90	7332-02245	5/16	2.38	3.12	1.88	.10
8ACA-8FSL90	7332-02205	13/32	2.38	2.94	1.69	.08
10ACA-10FSL90	7332-02215	1/2	2.50	3.13	1.89	.12
12ACA-10FSL90	7332-02235	5/8	2.50	3.13	1.89	.12
12ACA-12FSL90	7332-02225	5/8	3.20	3.69	2.44	.12

## Inline Orifice Tube

**Description:** The orifice tube is found on an accumulator air conditioning system. It is the dividing point between high and low pressure sides of the refrigeration system. The orifice tube filters and restricts high-pressure refrigerant in the liquid line and meters refrigerant flow as a low-pressure liquid. It is located in the refrigerant line between the condenser outlet and the evaporator inlet. The tube should be replaced any time the air conditioning system is opened for service.

**Features Advantages:** OEM quality couplings in 64 configurations.



Descr.	Prod. No.	IØ	L		Weight
		"	"	mm	Lbs.
IOT-BLACK	7332-02815	.072	3.50	88.9	.01
IOT-BLUE	7332-02785	.072	3.50	88.9	.01
IOT-ORANGE	7332-02795	.057	3.50	88.9	.01
IOT-RED	7332-02805	.062	3.50	88.9	.01
IOT-WHITE	7332-02775	.072	3.50	88.9	.01

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



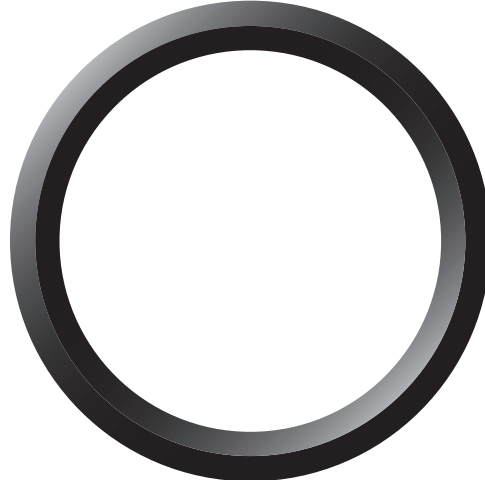




# PolarSeal® Couplings

## O-Rings for PolarSeal® Couplings

Features Advantages: OEM quality couplings in 64 configurations.



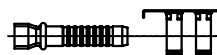
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
<b>POLARSEAL COUPLINGS</b>
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Descr.	Prod. No.	⊖	W	Weight
		"	"	Lbs.
6ACOR	7332-01235	.30	.07	.01
8ACOR	7332-01245	.43	.07	.06
10ACOR	7332-01255	.55	.07	.06
12ACOR	7332-01265	.68	.07	.05



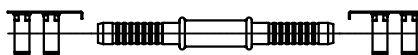
# PolarSeal® II Couplings


## Weld On Hose End



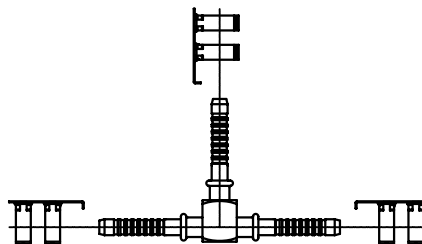
Descr.	Prod. No.	⊖	Weight
		"	Lbs.
6ACC-6FBO	7332-51165	5/16	.03
8ACC-8FBO	7332-51175	13/32	.05
10ACC-10FBO	7332-51185	1/2	.07
12ACC-10FBO	7332-51345	5/8	.07
12ACC-12FBO	7332-51195	5/8	.08


## Splicer



Descr.	Prod. No.	⊖		Weight
		"		Lbs.
6ACC-6HLE	7332-50915	5/16	6	.06
8ACC-8HLE	7332-50925	13/32	8	.09
10ACC-10HLE	7332-50935	1/2	10	.12
12ACC-12HLE	7332-50945	5/8	12	.14

## T Splicer



Descr.	Prod. No.	⊖		Weight
		"		Lbs.
6ACC-6HLET	7332-51085	5/16	6	.16
8ACC-8HLET	7332-51095	13/32	8	.32
10ACC-10HLET	7332-51105	1/2	10	.35
12ACC-12HLET	7332-51115	5/8	12	.38
16ACC-16HLET	7332-51125	7/8	16	.87

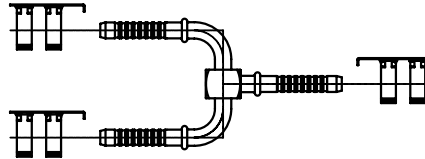
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
<b>POLARSEAL II COUPLINGS</b>
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





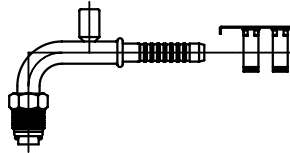
# PolarSeal® II Couplings

## Y Splicer



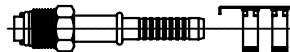
Descr.	Prod. No.	⊖		Weight
		"		Lbs.
8ACC-8HLEY	7332-51135	13/32	8	.39
10ACC-10HLEY	7332-51145	1/2	10	.45
12ACC-12HLEY	7332-51155	5/8	12	.47

## Male O-Ring (MOR) with Switch or Service Port - 90° Bent Tube



Descr.	Prod. No.	⊖		Weight
		"		Lbs.
8ACC-8MTON90134SWPH	7332-50695	13/32	3/4-16	.25

## Male O-Ring (MOR)



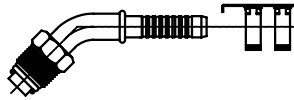
Descr.	Prod. No.	⊖		Weight
		"		Lbs.
6ACC-6MTON	7332-50525	5/16	5/8-18	.08
8ACC-6MTON	7332-50585	13/32	5/8-18	.08
8ACC-8MTON	7332-50535	13/32	3/4-16	.13
10ACC-10MTON	7332-50545	1/2	7/8-14	.16
12ACC-10MTON	7332-50595	5/8	7/8-14	.16
12ACC-12MTON	7332-50565	5/8	1 1/16-14	.21
16ACC-10MTON	7332-50555	7/8	7/8-14	.34
16ACC-12MTON	7332-50575	7/8	1 1/16-14	.39


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
<b>POLARSEAL II COUPLINGS</b>
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



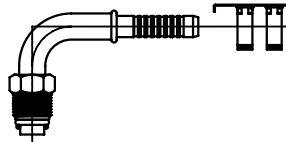
# PolarSeal® II Couplings


## Male O-Ring (MOR) - 45° Bent Tube



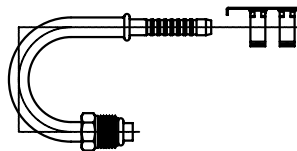
Descr.	Prod. No.	⊖		Weight
		"		Lbs.
6ACC-6MTON45	7332-50605	5/16	5/8-18	.09
12ACC-10MTON45	7332-50615	5/8	7/8-14	.20


## Male O-Ring (MOR) - 90° Bent Tube



Descr.	Prod. No.	⊖		Weight
		"		Lbs.
6ACC-6MTON90	7332-50625	5/16	5/8-18	.09
8ACC-6MTON90	7332-50665	13/32	5/8-18	.09
8ACC-8MTON90	7332-50635	13/32	3/4-16	.14
10ACC-8MTON90	7332-50675	1/2	3/4-16	.16
10ACC-10MTON90	7332-50645	1/2	7/8-14	.19
12ACC-10MTON90	7332-50685	5/8	7/8-14	.40
12ACC-12MTON90	7332-50655	5/8	1 1/16-14	.26

## Male O-Ring (MOR) - 180° Bent Tube



Descr.	Prod. No.	⊖		Weight
		"		Lbs.
6ACC-6MTON180	7332-50895	5/16	5/8-18	.12
10ACC-10MTON180	7332-50905	5/8	7/8-14	.32

EQUIPMENT

HOSE/CPLG.  
SELECTIONG8K  
COUPLINGSGLOBALSPIRAL  
COUPLINGSPCM/PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER  
CRIMP  
COUPLINGSLOC, GL AND  
GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGSC14  
COUPLINGSPCTS  
THERMO-  
PLASTIC  
COUPLINGSFIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGSFIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

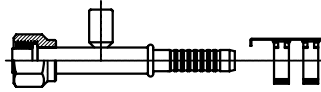
ACCESSORIES

EQUIPMENT  
AND PARTS



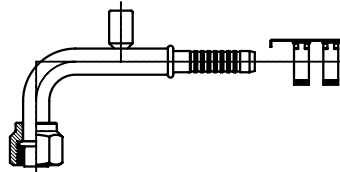
# PolarSeal® II Couplings

## Straight Female O-Ring (FOR) with Switch or Service Port



Descr.	Prod. No.	⊖		Weight
		"		Lbs.
8ACC-8FTON134SPH	7332-50135	13/32	3/4-16	.22
8ACC-8FTONSWP	7332-50125	13/32	3/4-16	.17
10ACC-8FTON134SPH	7332-50195	1/2	3/4-16	.23
10ACC-10FTON134SPL	7332-50145	1/2	7/8-14	.27
12ACC-10FTON134SPL	7332-50205	5/8	7/8-14	.28
12ACC-10FTONMSWP	7332-50215	5/8	7/8-14	.27
12ACC-12FTON134SPL	7332-50175	5/8	1 1/16-14	.37
12ACC-12FTONMSWP	7332-50185	5/8	1 1/16-14	.36
12ACC-12FTONSWP	7332-50165	5/8	1 1/16-14	.35
16ACC-10FTON134SPL	7332-50155	7/8	7/8-14	.44

## Female O-Ring (FOR) with Switch or Service Port - 90° Bent Tube



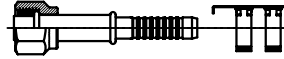
Descr.	Prod. No.	⊖		Weight
		"		Lbs.
6ACC-8FTON134SPH90	7332-50505	5/16	3/4-16	.20
8ACC-8FTON134SPH90	7332-50415	13/32	3/4-16	.26
8ACC-8FTONSWP90	7332-50405	13/32	3/4-16	.21
10ACC-8FTON134SPH90	7332-50485	1/2	3/4-16	.27
10ACC-8FTONSWP90	7332-50475	1/2	3/4-16	.22
10ACC-10FTON134SPH90	7332-50445	1/2	7/8-14	.35
10ACC-10FTON134SPL90	7332-50425	1/2	7/8-14	.33
10ACC-10FTONMSWP90	7332-50435	1/2	7/8-14	.32
12ACC-10FTON134SPL90	7332-50515	3/4	7/8-14	.34
12ACC-10FTONMSWP90	7332-50495	3/4	7/8-14	.34
12ACC-12FTONMSWP90	7332-50465	3/4	1 1/16-14	.42
12ACC-12FTONSWP90	7332-50455	3/4	1 1/16-14	.40


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



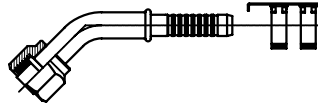
# PolarSeal® II Couplings


## Straight Female O-Ring



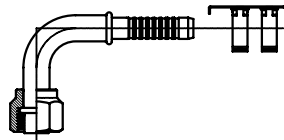
Descr.	Prod. No.	⊖		Weight
		"		
6ACC-6FTON	7332-50015	5/16	5/8-18	.09
6ACC-8FTON	7332-50105	5/16	3/4-16	.11
8ACC-6FTON	7332-50075	13/32	5/8-18	.09
8ACC-8FTON	7332-50025	13/32	3/4-16	.14
8ACC-10FTON	7332-50115	13/32	7/8-14	.19
10ACC-8FTON	7332-50085	1/2	3/4-16	.15
10ACC-10FTON	7332-50035	1/2	7/8-14	.21
12ACC-10FTON	7332-50095	5/8	7/8-14	.22
12ACC-12FTON	7332-50055	5/8	1 1/16-14	.33
16ACC-10FTON	7332-50045	7/8	7/8-14	.38
16ACC-12FTON	7332-50065	7/8	1 1/16-14	.46


## Female O-Ring (FOR) - 45° Bent Tube



Descr.	Prod. No.	⊖		Weight
		"		
6ACC-6FTON45	7332-50225	5/16	5/8-18	.09
8ACC-8FTON45	7332-50235	13/32	3/4-16	.15
10ACC-8FTON45	7332-50275	1/2	3/4-16	.16
10ACC-10FTON45	7332-50245	1/2	7/8-14	.23
12ACC-10FTON45	7332-50285	5/8	7/8-14	.24
12ACC-12FTON45	7332-50255	5/8	1 1/16-14	.33
16ACC-12FTON45	7332-50265	7/8	1 1/16-14	.49

## Female O-Ring (FOR) - 90° Bent Tube



Descr.	Prod. No.	⊖		Weight
		"		
6ACC-6FTON90	7332-50295	5/16	5/8-18	.10
6ACC-8FTON90	7332-50385	5/16	3/4-16	.13



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
<b>POLARSEAL II COUPLINGS</b>
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



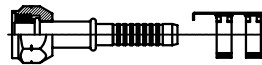




# PolarSeal® II Couplings

## Female O-Ring (FOR) - 90° Bent Tube - Cont'd

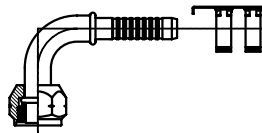
Descr.	Prod. No.			Weight
		"		Lbs.
8ACC-6FTON90	7332-50355	13/32	5/8-18	.10
8ACC-8FTON90	7332-50305	13/32	3/4-16	.17
8ACC-10FTON90	7332-50395	13/32	7/8-14	.23
10ACC-8FTON90	7332-50365	1/2	3/4-16	.18
10ACC-10FTON90	7332-50315	1/2	7/8-14	.26
12ACC-10FTON90	7332-50375	5/8	7/8-14	.28
12ACC-12FTON90	7332-50335	5/8	1 1/16-14	.36
16ACC-10FTON90	7332-50325	7/8	7/8-14	.45
16ACC-12FTON90	7332-50345	7/8	1 1/16-14	.54



## Metric Female O-Ring (FOR)





Descr.	Prod. No.			Weight
		"		Lbs.
8ACC-20FTOMN	7332-51215	13/32	M20X1.5	.14
10ACC-27FTOMN	7332-51225	1/2	M27X2.0	.25

## Metric Female O-Ring (FOR) - 90° Bent Tube



Descr.	Prod. No.			Weight
		"		Lbs.
6ACC-18FTOMN90	7332-51235	5/16	M18X1.5	.11
8ACC-20FTOMN90	7332-51245	13/32	M20X1.5	.17
12ACC-27FTOMN90	7332-51255	5/8	M27X2.0	.31

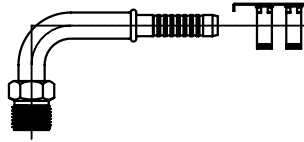
## Male Insert O-Ring (MIO)


Descr.	Prod. No.			Weight
		"		Lbs.
6ACC-6MIO	7332-50795	5/16	5/8-18	.07
8ACC-6MIO	7332-50815	13/32	5/8-18	.09
8ACC-8MIO	7332-50805	13/32	3/4-16	.12
12ACC-10MIO	7332-50825	5/8	7/8-14	.17




# PolarSeal® II Couplings

## Male Insert O-Ring (MIO) - 90° Bent Tube




Descr.	Prod. No.	⊖		Weight
		"		Lbs.
6ACC-6MIO90	7332-50835	5/16	5/8-18	.09
8ACC-6MIO90	7332-50865	13/32	5/8-18	.12
8ACC-8MIO90	7332-50845	13/32	3/4-16	.15
10ACC-8MIO90	7332-50875	1/2	3/4-16	.18
10ACC-10MIO90	7332-50855	1/2	7/8-14	.22
12ACC-10MIO90	7332-50885	5/8	7/8-14	.23


## Male Insert O-Ring (MIO) Bulkhead

Descr.	Prod. No.	⊖		Weight
		"		Lbs.
6ACC-6MIOBKHD	7332-50705	5/16	5/8-18	.19
8ACC-8MIOBKHD	7332-50715	13/32	3/4-16	.24
10ACC-10MIOBKHD	7332-50725	1/2	7/8-14	.29
12ACC-10MIOBKHD	7332-50745	5/8	7/8-14	.30
16ACC-12MIOBKHD	7332-50735	7/8	1 1/16-14	.56

## Male Insert O-Ring (MIO) Bulkhead - 90° Bent Tube

Descr.	Prod. No.	⊖		Weight
		"		Lbs.
6ACC-6MIOBKHD90	7332-50755	5/16	5/8-18	.21
8ACC-8MIOBKHD90	7332-50765	13/32	3/4-16	.28
10ACC-10MIOBKHD90	7332-50775	1/2	7/8-14	.34
12ACC-10MIOBKHD90	7332-50785	5/8	7/8-14	.36

## Splicer with Switch or Service Port

Descr.	Prod. No.	⊖		Weight
		"		Lbs.
6ACC-6HLE134SPH	7332-50965	5/16	6	.13
6ACC-6HLESWP	7332-50955	5/16	6	.08
8ACC-8HLE134SPH	7332-50985	13/32	8	.17

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

**POLARSEAL II COUPLINGS**

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

gates.com/hydraulics

L7





# PolarSeal® II Couplings

## Splicer with Switch or Service Port - Cont'd

Descr.	Prod. No.			Weight
		"		Lbs.
8ACC-8HLEMSWP	7332-50995	13/32	8	.13
8ACC-8HLESWP	7332-50975	13/32	8	.12
10ACC-10HLE134SPH	7332-51035	1/2	10	.19
10ACC-10HLE134SPL	7332-51015	1/2	10	.18
10ACC-10HLEMSWP	7332-51025	1/2	10	.16
10ACC-10HLESWP	7332-51005	1/2	10	.15
12ACC-12HLE134SPL	7332-51055	5/8	12	.19
12ACC-12HLEMSWP	7332-51065	5/8	12	.18
12ACC-12HLESWP	7332-51045	5/8	12	.17
16ACC-16HLE134SPL	7332-51075	7/8	16	.52

## Metric Female O-Ring (FOR) with Switch or Service Port - 90° Bent Tube

Descr.	Prod. No.			Weight
		"		Lbs.
6ACC-10FTOMN90134SPH	7332-51265	5/16	M20X1.5	.21
10ACC-24FTOMN90SPL	7332-51275	1/2	M24X2.0	.29

## Metric Male Insert O-Ring (MIO)

Descr.	Prod. No.			Weight
		"		Lbs.
10ACC-20MIOM	7332-51285	1/2	M20X1.5	.37

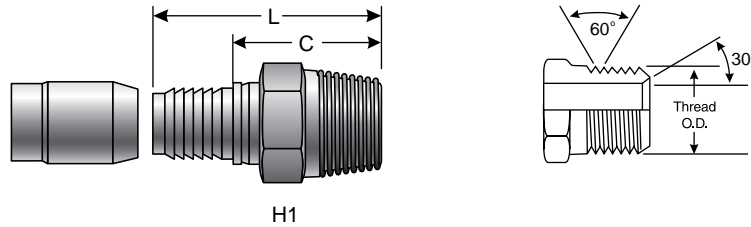
## Clamp Assemblies

Descr.	Prod. No.			Weight
		"		Lbs.
6CLAMP	7332-51295	5/16		.07
8CLAMP	7332-51305	13/32		.08
10CLAMP	7332-51315	1/2		.08
12CLAMP	7332-51325	5/8		.10
16CLAMP	7332-51335	7/8		.04



# C14 Couplings

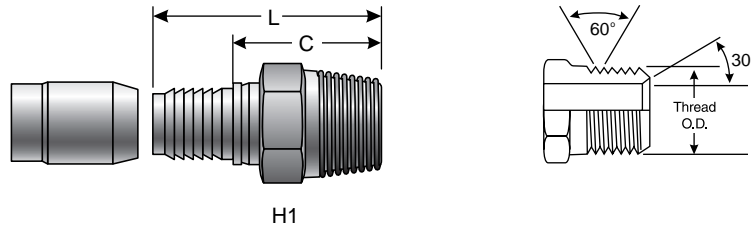
## Male Pipe (NPTF - 30° Cone Seat) - Stainless Steel



H1

Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4C14-2MP-SS	7753-00085	3/16	4.8	1/8-27	7/16	—	1.26	32.0	.81	20.6	.03
4C14-4MP-SS	7753-00015	3/16	4.8	1/4-18	9/16	—	1.47	37.3	1.02	25.9	.06
5C14-4MP-SS	7753-00025	1/4	6.4	1/4-18	9/16	—	1.47	37.3	1.02	25.9	.06
6C14-4MP-SS	7753-00095	5/16	7.9	1/4-18	9/16	—	1.60	40.7	1.05	26.7	.07
6C14-6MP-SS	7753-00035	5/16	7.9	3/8-18	11/16	—	1.63	41.4	1.08	27.4	.09
8C14-6MP-SS	7753-00105	13/32	10.3	3/8-18	11/16	—	1.68	42.7	1.07	27.2	.09
8C14-8MP-SS	7753-00045	13/32	10.3	1/2-14	7/8	—	1.93	49.0	1.32	33.5	.16
10C14-8MP-SS	7753-00055	1/2	12.7	1/2-14	7/8	—	2.05	52.1	1.35	34.3	.18
12C14-12MP-SS	7753-00065	5/8	15.9	3/4-14	1 1/16	—	2.21	56.1	1.44	36.6	.25
16C14-16MP-SS	7753-00075	7/8	22.2	1-11 1/2	1 3/8	—	2.56	65.0	1.65	41.9	.42

## Male Pipe (NPTF - 30° Cone Seat) - Brass



H1

Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4C14-2MP-B	7753-10085	3/16	4.8	1/8-27	7/16	—	1.26	32.0	.81	20.6	.03
4C14-4MP-B	7753-10015	3/16	4.8	1/4-18	9/16	—	1.47	37.3	1.02	25.9	.06
5C14-4MP-B	7753-10025	1/4	6.4	1/4-18	9/16	—	1.47	37.3	1.02	25.9	.06
6C14-4MP-B	7753-10095	5/16	7.9	1/4-18	9/16	—	1.60	40.7	1.05	26.7	.07
6C14-6MP-B	7753-10035	5/16	7.9	3/8-18	11/16	—	1.63	41.4	1.08	27.4	.09
8C14-6MP-B	7753-10105	13/32	10.3	3/8-18	11/16	—	1.68	42.7	1.07	27.2	.09
8C14-8MP-B	7753-10045	13/32	10.3	1/2-14	7/8	—	1.93	49.0	1.32	33.5	.16
10C14-8MP-B	7753-10055	1/2	12.7	1/2-14	7/8	—	2.05	52.1	1.35	34.3	.18
12C14-12MP-B	7753-10065	5/8	15.9	3/4-14	1 1/16	—	2.21	56.1	1.44	36.6	.25
16C14-16MP-B	7753-10075	7/8	22.2	1-11 1/2	1 3/8	—	2.56	65.0	1.65	41.9	.42

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



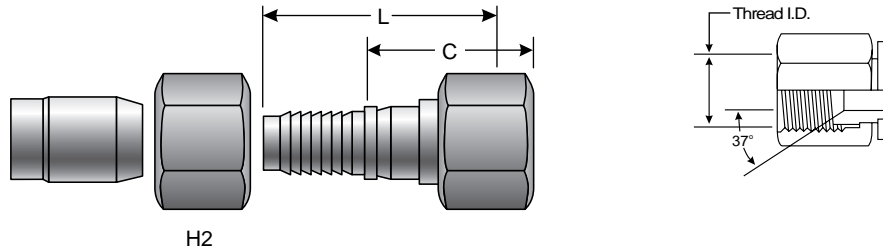
Powering Progress.

gates.com/hydraulics

M1

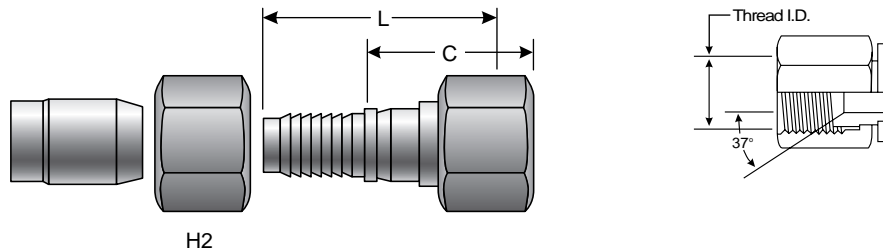
# C14 Couplings

## Female JIC 37° Flare Swivel - Stainless Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
6C14-6FJX-SS	7753-00145	5/16	7.9	9/16-18	—	3/4	1.19	30.2	1.01	25.7	.08
12C14-12FJX-SS	7753-00175	5/8	15.9	1 1/16-12	—	1 1/4	1.56	39.6	1.36	34.5	.32

## Female JIC 37° Flare Swivel - Brass

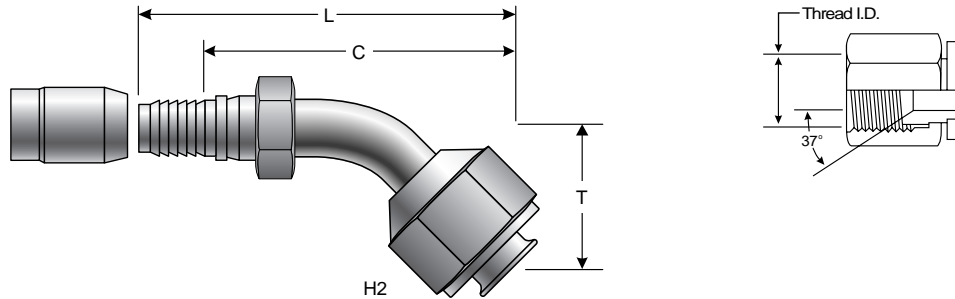


Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
6C14-6FJX-B	7753-10145	5/16	7.9	9/16-18	—	3/4	1.19	30.2	1.01	25.7	.08
12C14-12FJX-B	7753-10175	5/8	15.9	1 1/16-12	—	1 1/4	1.56	39.6	1.36	34.5	.32

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
<b>C14 COUPLINGS</b>
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

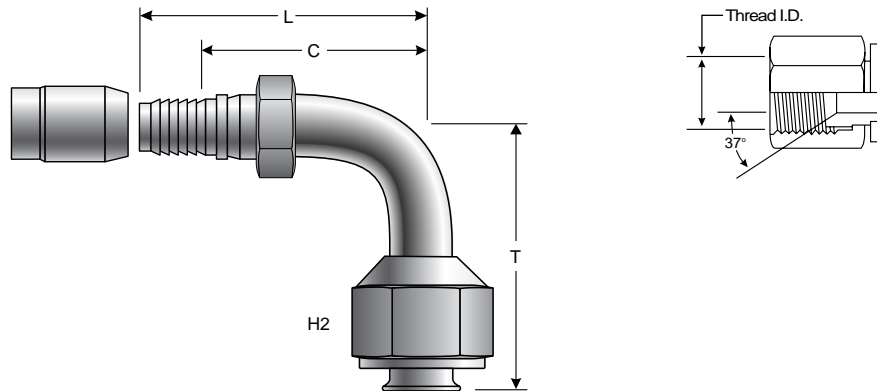
# C14 Couplings

## Female JIC 37° Flare Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	"	mm	
4C14-4FJX45	7753-20495	3/16	4.8	7/16-20	—	9/16	.41	10.4	1.69	42.9	1.25	31.8	.06
5C14-5FJX45	7753-20505	1/4	6.4	1/2-20	—	5/8	.49	12.5	1.85	47.0	1.44	36.6	.07
6C14-6FJX45	7753-20515	5/16	7.9	9/16-18	—	11/16	.55	14.0	2.13	54.1	1.62	41.2	.11
8C14-8FJX45	7753-20525	13/32	10.3	3/4-16	—	7/8	.63	16.0	2.44	62.0	1.88	47.8	.14
10C14-10FJX45	7753-20535	1/2	12.7	7/8-14	—	1	.75	19.1	2.78	70.6	2.08	52.8	.29
12C14-12FJX45	7753-20545	5/8	15.9	1 1/16-12	—	1 1/4	.90	22.9	3.92	99.6	3.15	80.0	.46
16C14-16FJX45	7753-20555	7/8	22.2	1 5/16-12	—	1 1/2	1.13	28.7	4.77	121.2	3.86	98.0	.90

## Female JIC 37° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	"	mm	
4C14-4FJX90	7753-20565	3/16	4.8	7/16-20	—	9/16	.71	18.0	1.42	36.1	1.00	25.4	.06
5C14-5FJX90	7753-20575	1/4	6.4	1/2-20	—	5/8	.88	22.4	1.55	39.4	1.06	26.9	.08
6C14-6FJX90	7753-20585	5/16	7.9	9/16-18	—	11/16	1.00	25.4	1.80	45.7	1.25	31.8	.11
8C14-8FJX90	7753-20595	13/32	10.3	3/4-16	—	7/8	1.18	30.0	2.10	53.3	1.50	38.1	.15
10C14-10FJX90	7753-20605	1/2	12.7	7/8-14	—	1	1.50	38.1	2.47	62.7	1.81	46.0	.31
12C14-12FJX90	7753-20615	5/8	15.9	1 1/16-12	—	1 1/4	2.00	50.8	3.88	98.6	3.11	79.0	.63
16C14-16FJX90	7753-20625	7/8	22.2	1 5/16-12	—	1 1/2	2.48	63.0	4.64	117.9	3.73	94.7	1.00

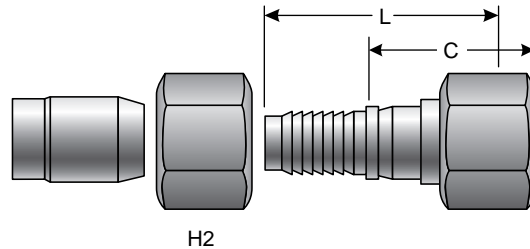
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
<b>C14 COUPLINGS</b>
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
<b>C14 COUPLINGS</b>
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

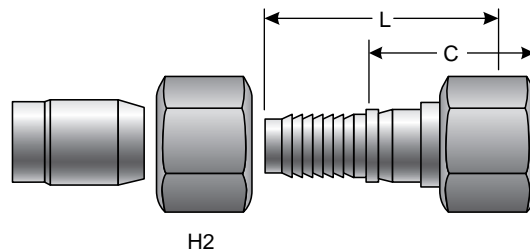
# C14 Couplings

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Stainless Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4C14-4FJSX-SS	7753-00125	3/16	4.8	7/16-20	—	9/16	.95	24.1	.87	22.1	.05
5C14-5FJSX-SS	7753-00135	1/4	6.4	1/2-20	—	11/16	1.01	25.7	.94	23.9	.07
8C14-8FJSX-SS	7753-00155	13/32	10.3	3/4-16	—	7/8	1.30	33.0	1.13	28.7	.15
10C14-10FJSX-SS	7753-00165	1/2	12.7	7/8-14	—	1 1/16	1.47	37.3	1.29	32.8	.20
16C14-16FJSX-SS	7753-00185	7/8	22.2	1 5/16-12	—	1 1/2	1.75	44.5	1.46	37.1	.50

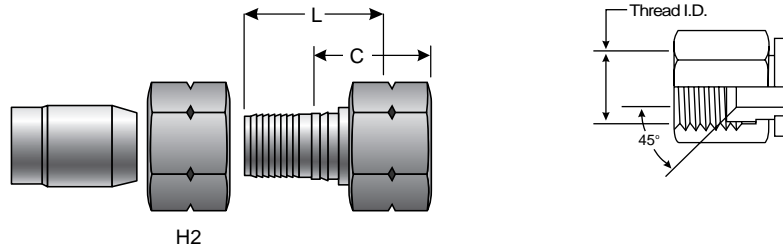
## Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Brass



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4C14-4FJSX-B	7753-10125	3/16	4.8	7/16-20	—	9/16	.95	24.1	.79	20.1	.05
5C14-5FJSX-B	7753-10135	1/4	6.4	1/2-20	—	11/16	1.01	25.7	.94	23.9	.07
8C14-8FJSX-B	7753-10155	13/32	10.3	3/4-16	—	7/8	1.30	33.0	1.13	28.7	.15
10C14-10FJSX-B	7753-10165	1/2	12.7	7/8-14	—	1 1/16	1.47	37.3	1.29	32.8	.20
16C14-16FJSX-B	7753-10185	7/8	22.2	1 5/16-12	—	1 1/2	1.75	44.5	1.46	37.1	.50

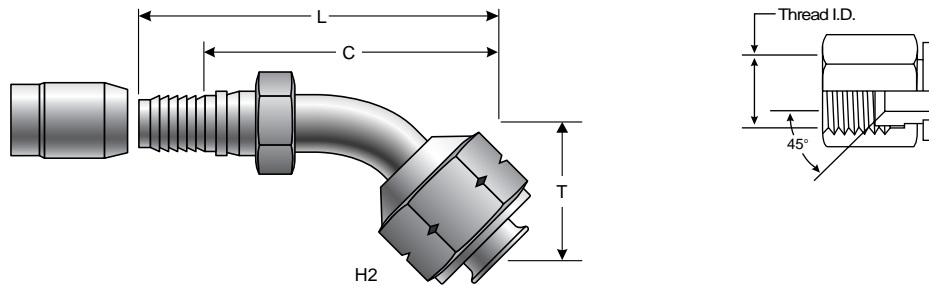
# C14 Couplings

## Female SAE 45° Flare Swivel - Brass



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
6C14-6FSX-B	7753-10195	5/16	7.9	5/8-18	—	3/4	1.19	30.2	1.01	25.7	.08
12C14-12FSX-B	7753-10205	5/8	15.9	1 1/16-14	—	1 1/4	1.56	39.6	1.36	34.5	.32

## Female SAE 45° Flare Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Weight	
		"	mm					"	mm	"	mm		Lbs.
4C14-4FSX45	7753-20215	3/16	4.8	7/16-20	—	9/16	.41	10.4	1.69	42.9	1.25	31.8	.06
5C14-5FSX45	7753-20225	1/4	6.4	1/2-20	—	5/8	.49	12.5	1.85	47.0	1.44	36.6	.07
6C14-6FSX45	7753-20235	5/16	7.9	5/8-18	—	3/4	.55	14.0	2.13	54.1	1.62	41.2	.11
8C14-8FSX45	7753-20245	13/32	10.3	3/4-16	—	7/8	.63	16.0	2.44	62.0	1.88	47.8	.14
10C14-10FSX45	7753-20635	1/2	12.7	7/8-14	—	1	.75	19.1	2.78	70.6	2.12	53.9	.29
12C14-12FSX45	7753-20645	5/8	15.9	1 1/16-14	—	1 1/4	.90	22.9	3.92	99.6	3.15	80.0	.57

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

**C14 COUPLINGS**

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

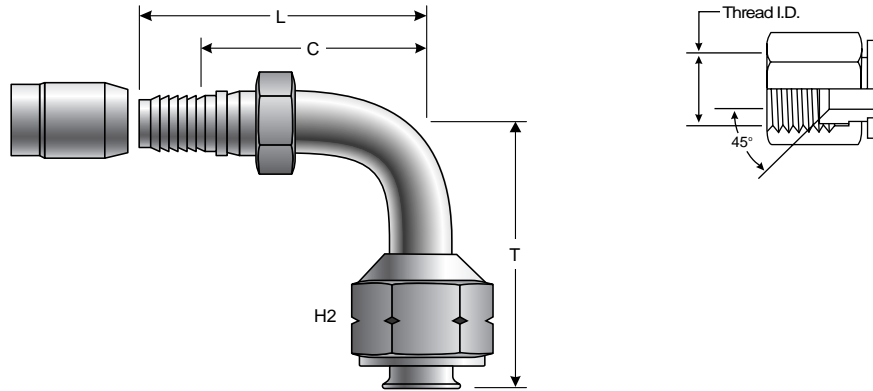
ACCESSORIES

EQUIPMENT AND PARTS



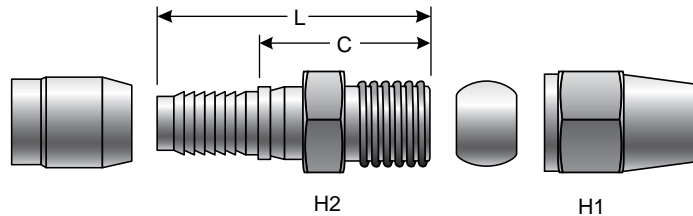
# C14 Couplings

## Female SAE 45° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
4C14-4FSX90	7753-20255	3/16	4.8	7/16-20	—	9/16	.71	18.0	1.42	36.1	1.00	25.4	.06
5C14-5FSX90	7753-20265	1/4	6.4	1/2-20	—	5/8	.88	22.4	1.55	39.4	1.06	26.9	.08
6C14-6FSX90	7753-20275	5/16	7.9	5/8-18	—	3/4	1.00	25.4	1.80	45.7	1.25	31.8	.11
8C14-8FSX90	7753-20285	13/32	10.3	3/4-16	—	7/8	1.18	30.0	2.10	53.3	1.50	38.1	.15
10C14-10FSX90	7753-20295	1/2	12.7	7/8-14	—	1 1/16	1.50	38.1	2.47	62.7	1.81	46.0	.31
12C14-12FSX90	7753-20665	5/8	15.9	1 1/16-14	—	1 1/4	2.00	50.8	3.88	98.6	3.11	79.0	.63

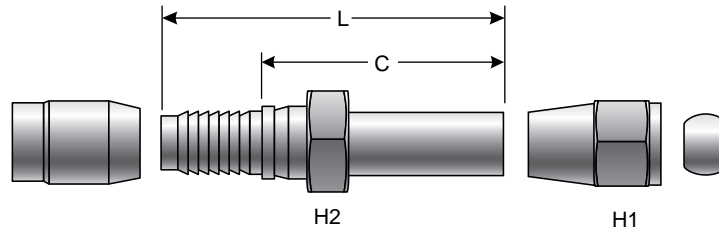
## Air Brake Compression - Brass



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		⊖	Weight
		"	mm		"	"	"	mm	"	mm	"	Lbs.
8C14-8ABC-B	7753-10365	13/32	10.3	11/16-20	7/8	13/16	1.71	43.4	1.10	27.9	.50	.20
10C14-10ABC-B	7753-10385	1/2	12.7	13/16-18	7/8	15/16	1.89	48.0	1.19	30.2	.63	.27
12C14-12ABC-B	7753-10395	5/8	15.9	1-18	1 1/16	1 1/8	2.13	54.1	1.36	34.5	.75	.40

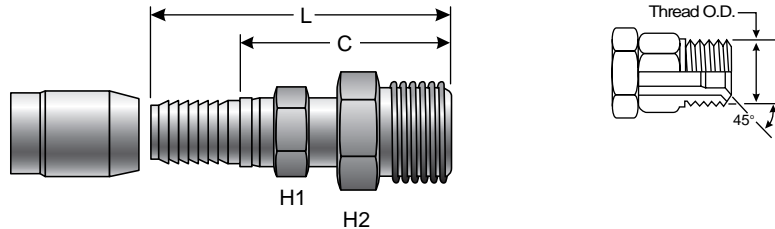
# C14 Couplings

## Straight Tube Assembly - Brass



Descr.	Prod. No.	⊖			H1	H2	L		C			Weight
		"	mm				"	mm	"	mm		
10C14-8STA-B	7753-10415	1/2	12.7	11/16-20	3/4	13/16	3.18	80.8	2.21	56.1	.50	.19
10C14-10STA-B	7753-10425	1/2	12.7	13/16-18	3/4	15/16	3.50	88.9	2.53	64.3	.63	.26
12C14-12STA-B	7753-10435	5/8	15.9	1-18	7/8	1 1/8	3.67	93.2	2.61	66.3	.75	.40

## SAE Male Inverted Swivel - Steel



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
4C14-4MIX	7753-20305	3/16	4.8	7/16-24	7/16	7/16	1.84	46.7	1.39	35.3	.05
5C14-5MIX	7753-20315	1/4	6.4	1/2-20	1/2	1/2	1.90	48.3	1.45	36.8	.05
6C14-6MIX	7753-20325	5/16	7.9	5/8-18	9/16	5/8	2.07	52.6	1.52	38.6	.10
8C14-8MIX	7753-20335	13/32	10.3	3/4-18	5/8	3/4	2.21	56.1	1.60	40.6	.15
10C14-10MIX	7753-20345	1/2	12.7	7/8-16	3/4	7/8	2.47	62.7	1.77	45.0	.22

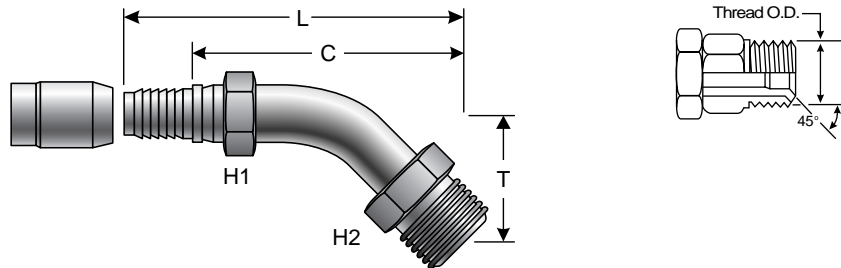
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
<b>C14 COUPLINGS</b>
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





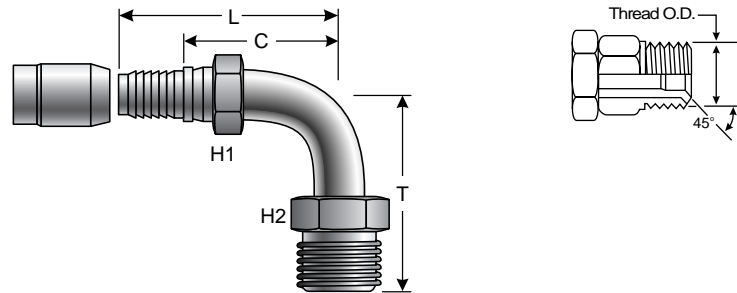
# C14 Couplings

## SAE Male Inverted Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
4C14-4MIX45	7753-20355	3/16	4.8	7/16-24	7/16	7/16	.73	18.5	1.99	50.6	1.53	38.9	.06
6C14-6MIX45	7753-20365	5/16	7.9	5/8-18	9/16	5/8	.94	23.9	2.48	63.0	1.93	49.0	.11
8C14-8MIX45	7753-20375	13/32	10.3	3/4-18	5/8	3/4	1.14	29.0	2.95	74.9	2.10	53.3	.19
10C14-10MIX45	7753-20695	1/2	12.7	7/8-18	3/4	7/8	1.34	34.0	3.37	85.6	2.67	67.8	.27
12C14-12MIX45	7753-20705	5/8	15.9	1 3/16-16	7/8	1 1/16	1.54	39.1	4.56	115.8	3.79	96.3	.47

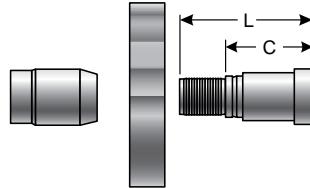
## SAE Male Inverted Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
4C14-4MIX90	7753-20385	3/16	4.8	7/16-24	7/16	7/16	1.30	33.0	1.42	36.1	.97	24.6	.06
5C14-5MIX90	7753-20395	1/4	6.4	1/2-20	1/2	1/2	1.48	37.6	1.54	39.1	1.09	27.7	.07
6C14-6MIX90	7753-20405	5/16	7.9	5/8-18	9/16	5/8	1.63	41.4	1.80	45.7	1.25	31.8	.12
8C14-8MIX90	7753-20415	13/32	10.3	3/4-18	5/8	3/4	1.91	48.5	2.10	53.3	1.77	45.0	.19
10C14-10MIX90	7753-20425	1/2	12.7	7/8-18	3/4	7/8	2.16	54.9	2.47	62.7	1.77	45.0	.29
12C14-12MIX90	7753-20715	5/8	15.9	1 3/16-16	7/8	1 1/16	2.66	67.6	3.60	91.4	2.83	71.9	.51

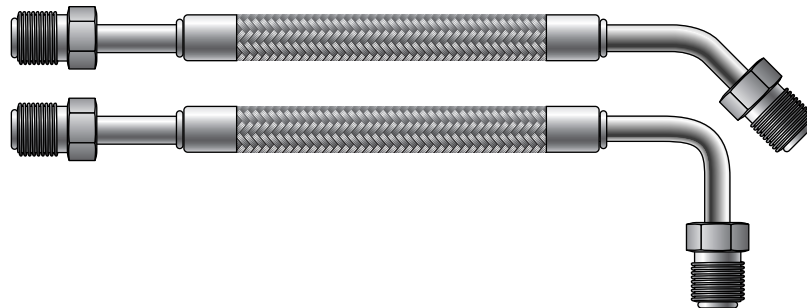
# C14 Couplings

## Two-Bolt Flange Swivel - Brass (Steel Flange) - Laundry Flange



Descr.	Prod. No.	⊖		A	L		C		Weight Lbs.
		"	mm		"	mm	"	mm	
12C14-12TBFLX	7753-10265	5/8	15.9	2.00	2.27	57.7	.59	15.0	.74
16C14-16TBFLX	7753-10275	7/8	22.2	2.00	2.45	62.2	.81	20.6	.85

## Power Trim Assemblies - Steel



Descr.	Prod. No.	⊖		🌀	L		🕒	🕒	Weight Lbs.
		"	mm		"	mm			
PTA-45	7752-00455	3/16	4.8	3/8-24	14.50	368.3	10000	2500	.20
PTA-90	7752-00905	3/16	4.8	3/8-24	14.50	368.3	10000	2500	.16

## C14 Assembly with Two Female Dual Seat JIC 37°/SAE 45° Flare Swivel (FJSX) Couplings-Steel



Descr.	Prod. No.	⊖		L		Weight Lbs.
		"	mm	"	mm	
10C14-10FJSX-10FJSX-18	4479-0002	1/2	12.7	18.00	457.2	.59
10C14-10FJSX-10FJSX-24	4479-0003	1/2	12.7	24.00	609.6	.67
10C14-10FJSX-10FJSX-30	4479-0004	1/2	12.7	30.00	762.0	.74
10C14-10FJSX-10FJSX-36	4479-0005	1/2	12.7	36.00	914.4	.82

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
<b>C14 COUPLINGS</b>
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
<b>C14 COUPLINGS</b>
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# C14 Couplings

## C14 Assembly with Two Female Dual Seat JIC 37°/SAE 45° Flare Swivel (FJSX) Couplings-Steel - Cont'd

Descr.	Prod. No.	⊖		L		Weight
		"	mm	"	mm	Lbs.
10C14-10FJSX-10FJSX-42	4479-0006	1/2	12.7	42.00	1066.8	.89
10C14-10FJSX-10FJSX-48	4479-0007	1/2	12.7	48.00	1219.2	.97
10C14-10FJSX-10FJSX-54	4479-0008	1/2	12.7	54.00	1371.6	1.04
10C14-10FJSX-10FJSX-72	4479-0009	1/2	12.7	72.00	1828.8	1.27
10C14-10FJSX-10FJSX-84	4479-0010	1/2	12.7	84.00	2133.6	1.42

## C14 Assembly with Two Air Brake Compression (ABC) Couplings - Steel



Descr.	Prod. No.	⊖		L		Weight
		"	mm	"	mm	Lbs.
10C14-10ABC-10ABC-18	4479-0011	1/2	12.7	18.00	457.2	.74
10C14-10ABC-10ABC-24	4479-0012	1/2	12.7	24.00	609.6	.81

## C14 Assembly with Two Straight Tube Assembly (STA) Couplings - Steel



Descr.	Prod. No.	⊖		L		Weight
		"	mm	"	mm	Lbs.
10C14-10STA-10STA-18	4479-0013	1/2	12.7	18.00	457.2	.68
10C14-10STA-10STA-24	4479-0014	1/2	12.7	24.00	609.6	.76
10C14-10STA-10STA-36	4479-0015	1/2	12.7	36.00	914.4	.91

## C14 One Straight Tube Assembly (STA) and One Air Brake Compression (ABC) Couplings - Steel



Descr.	Prod. No.	⊖		L		Weight
		"	mm	"	mm	Lbs.
10C14-10STA-10ABC-18	4479-0016	1/2	12.7	18.00	457.2	.71

# C14 Couplings

## C14 One Straight Tube Assembly (STA) and One Air Brake Compression (ABC) Couplings - Steel - Cont'd

Descr.	Prod. No.	⊖		L		Weight
		"	mm	"	mm	Lbs.
10C14-10STA-10ABC-24	4479-0017	1/2	12.7	24.00	609.6	.78
10C14-10STA-10ABC-36	4479-0018	1/2	12.7	36.00	914.4	.93
10C14-10STA-10ABC-48	4479-0019	1/2	12.7	48.00	1219.2	1.08
12C14-12STA-12ABC-24	4479-0022	5/8	15.9	24.00	609.6	1.08
12C14-12STA-12ABC-36	4479-0023	5/8	15.9	36.00	914.4	1.25
12C14-12STA-12ABC-48	4479-0024	5/8	15.9	48.00	1219.2	1.42

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
<b>C14 COUPLINGS</b>
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



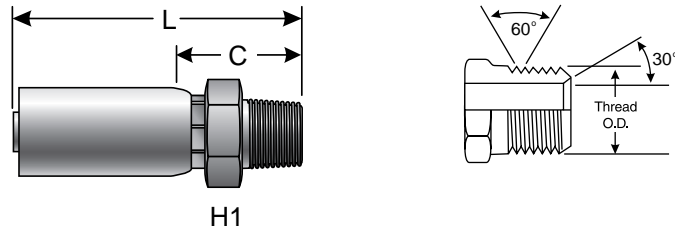


# Notes



# PCTS Thermoplastic Couplings (One-Piece)

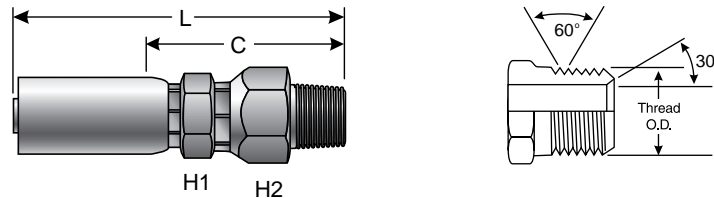
## Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
2PCTS-2MP	7336-11985	1/8	3.2	1/8-27	1/2	—	1.34	34.0	.74	18.8	.03
2PCTS-4MP	7336-11995	1/8	3.2	1/4-18	1/2	—	1.53	38.9	.93	23.6	.05
3PCTS-2MP	7336-12005	3/16	4.8	1/8-27	9/16	—	1.94	49.3	1.08	27.4	.09
3PCTS-4MP	7336-12015	3/16	4.8	1/4-18	11/16	—	2.13	54.1	1.27	32.3	.11

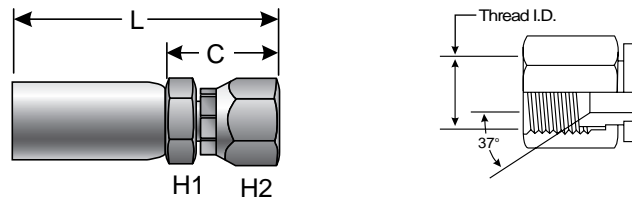
## Male Pipe Swivel (NPTF - Without 30° Cone Seat)

NOT TO BE USED AS A LIVE SWIVEL.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
2PCTS-2MPX	7337-11985	1/8	3.2	1/8-27	1/2	23/32	1.93	49.0	1.33	33.8	.07
3PCTS-2MPX	7337-12005	3/16	4.8	1/8-27	23/32	23/32	2.50	63.5	1.50	38.1	.07
3PCTS-4MPX	7337-12015	3/16	4.8	1/4-18	23/32	23/32	2.72	69.1	1.86	47.2	.09

## Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
2PCTS-3FJX	7338-11985	1/8	3.2	3/8-24	1/2	9/16	1.65	41.9	1.05	26.7	.05

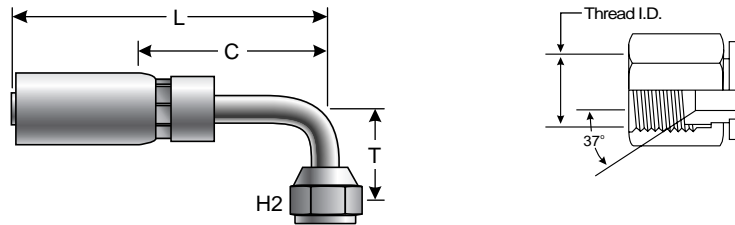
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





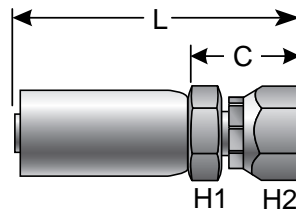
## PCTS Thermoplastic Couplings (One-Piece)

### Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	Ø		Spring	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
3PCTS-4FJX90S	7338-12695	3/16	4.8	7/16-20	—	9/16	.78	19.8	2.45	62.2	1.58	40.1	.15

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube



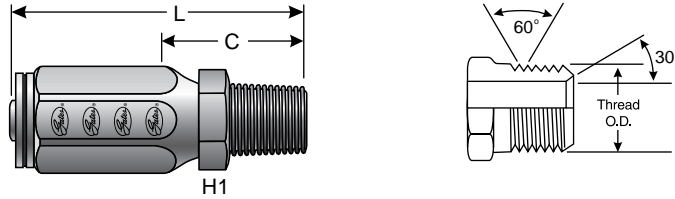
Descr.	Prod. No.	Ø		Spring	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
2PCTS-4FJSX	7338-11995	1/8	3.2	7/16-20	1/2	5/8	1.73	44.0	1.12	28.5	.06
3PCTS-4FJSX	7338-12005	3/16	4.8	7/16-20	9/16	5/8	2.23	56.6	1.16	29.5	.12

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
<b>PCTS THERMO-PLASTIC COUPLINGS</b>
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



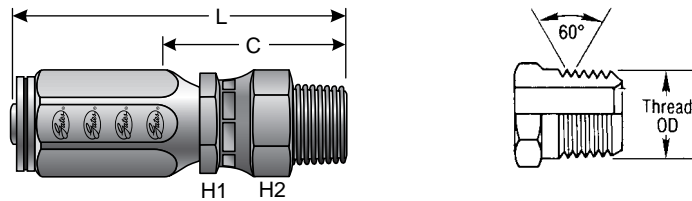
# Field Attachable Type T for G1 Hose (1 Wire)

## Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4C1T-2RMP	7231-81241	1/4	6.4	1/8-27	1/2	—	2.30	58.4	1.29	32.8	.14
4C1T-4RMP	7231-81210	1/4	6.4	1/4-18	9/16	—	2.52	64.0	1.51	38.4	.14
6C1T-4RMP	7231-81242	3/8	9.5	1/4-18	9/16	—	2.68	68.1	1.54	39.1	.27
6C1T-6RMP	7231-81211	3/8	9.5	3/8-18	11/16	—	2.53	64.3	1.39	35.3	.28
8C1T-6RMP	7231-81243	1/2	12.7	3/8-18	11/16	—	3.05	77.5	1.70	43.2	.42
8C1T-8RMP	7231-81212	1/2	12.7	1/2-14	7/8	—	3.06	77.7	1.71	43.4	.42
8C1T-8RMP	7231-81244	1/2	12.7	3/4-14	1 1/16	—	3.13	79.5	1.87	47.5	.42
12C1T-12RMP	7231-81213	3/4	19.1	3/4-14	1 1/16	—	3.19	81.0	1.73	43.9	.73
16C1T-16RMP	7231-81214	1	25.4	1-11 1/2	1 3/8	—	3.78	96.0	2.10	53.3	1.00

## Male Pipe Swivel (NPTF - Without 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4C1T-4RMPX	7231-22445	1/4	6.4	1/4-18	7/16	7/8	3.18	80.8	2.17	55.1	.21
6C1T-6RMPX	7231-22455	3/8	9.5	3/8-18	5/8	7/8	3.51	89.2	2.23	56.6	.39
8C1T-8RMPX	7231-22465	1/2	12.7	1/2-14	3/4	1	3.99	101.4	2.63	66.8	.48
12C1T-12RMPX	7231-22475	3/4	19.1	3/4-14	1 1/16	1 5/16	4.27	108.5	2.73	69.3	.95

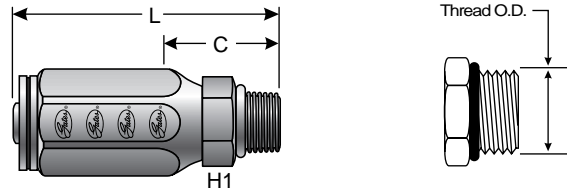
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





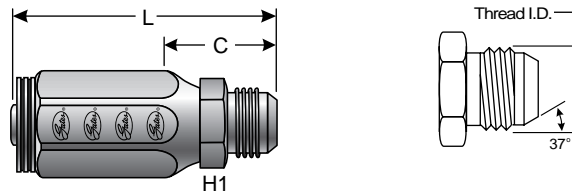
# Field Attachable Type T for G1 Hose (1 Wire)

## Male O-Ring Boss



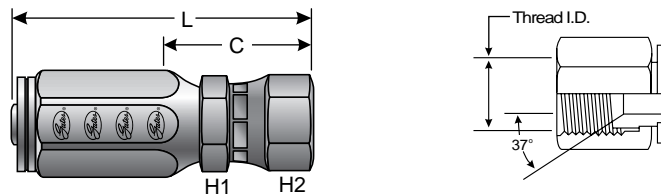
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
6C1T-6RMB	7231-22255	3/8	9.5	9/16-18	11/16	—	2.52	64.0	1.24	31.5	.28
6C1T-8RMB	7231-22265	3/8	9.5	3/4-16	7/8	—	2.59	65.8	1.32	33.5	.31
8C1T-8RMB	7231-22275	1/2	12.7	3/4-16	7/8	—	2.87	72.9	1.52	38.6	.38
8C1T-10RMB	7231-22285	1/2	12.7	7/8-14	1	—	3.11	79.0	1.76	44.7	.40

## Male JIC 37° Flare



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
6C1T-6RMJ	7231-22185	3/8	9.5	9/16-18	9/16	—	2.68	68.1	1.40	35.6	.27
8C1T-8RMJ	7231-22195	1/2	12.7	3/4-16	3/4	—	3.05	77.5	1.70	43.2	.44
8C1T-10RMJ	7231-22205	1/2	12.7	7/8-14	7/8	—	3.31	84.1	1.96	49.9	.48
12C1T-12RMJ	7231-22215	3/4	19.1	1 1/16-12	1 1/16	—	3.52	89.4	1.98	50.3	.78


## Female JIC 37° Flare Swivel



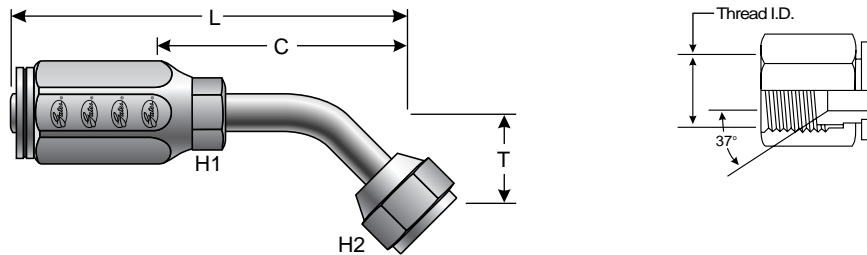
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4C1T-4RFJX	7231-81215	1/4	6.4	7/16-20	9/16	9/16	2.47	62.7	1.46	37.1	.16
4C1T-5RFJX	7231-81216	1/4	6.4	1/2-20	11/16	11/16	2.58	65.5	1.57	39.9	.17
6C1T-6RFJX	7231-81217	3/8	9.5	9/16-18	3/4	3/4	2.80	71.1	1.65	41.9	.29


# Field Attachable Type T for G1 Hose (1 Wire)

## Female JIC 37° Flare Swivel - Cont'd

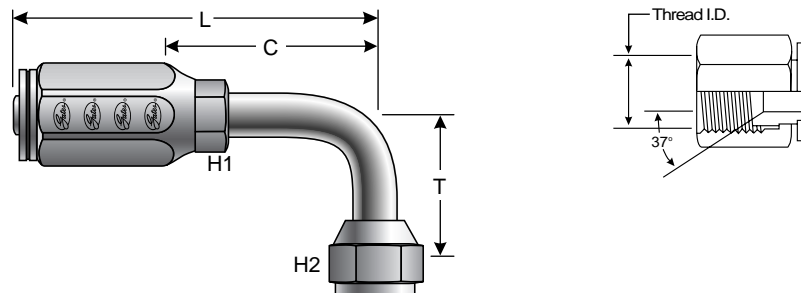
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
6C1T-8RFJX	7231-81218	3/8	9.5	3/4-16	3/4	7/8	2.91	73.9	1.76	44.7	.34
8C1T-8RFJX	7231-81219	1/2	12.7	3/4-16	13/16	7/8	3.24	82.3	1.89	48.1	.43
8C1T-10RFJX	7231-81220	1/2	12.7	7/8-14	13/16	1 1/16	3.34	84.8	1.99	50.6	.49
12C1T-12RFJX	7231-81221	3/4	19.1	1 1/16-12	1 1/8	1 1/4	3.45	87.6	1.91	48.5	.75
16C1T-16RFJX	7231-81222	1	25.4	1 5/16-12	1 3/8	1 1/2	3.90	99.1	2.22	56.4	1.11


## Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Weight	
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
4C1T-4RFJX45	7231-22545	1/4	6.4	7/16-20	3/8	9/16	.33	8.4	2.80	71.1	1.79	45.5	.16
6C1T-6RFJX45	7231-22555	3/8	9.5	9/16-18	1/2	11/16	.39	9.9	3.37	85.6	1.79	45.5	.31
8C1T-8RFJX45	7231-22565	1/2	12.7	3/4-16	5/8	7/8	.55	14.0	4.11	104.4	2.10	53.3	.50
12C1T-12RFJX45	7231-22575	3/4	19.1	1 1/16-12	—	1 1/4	.78	19.8	4.70	119.4	3.16	80.3	.89

## Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Weight	
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
4C1T-4RFJX90	7231-22655	1/4	6.4	7/16-20	3/8	9/16	.68	17.3	2.69	68.3	1.68	42.7	.16
6C1T-6RFJX90	7231-22665	3/8	9.5	9/16-18	1/2	11/16	.85	21.6	3.28	83.3	2.00	50.8	.32
6C1T-8RFJX90	7231-22675	3/8	9.5	3/4-16	5/8	7/8	1.09	27.7	3.58	90.9	2.31	58.7	.40
8C1T-8RFJX90	7231-22685	1/2	12.7	3/4-16	5/8	7/8	1.09	27.7	3.86	98.1	2.51	63.8	.51
8C1T-10RFJX90	7231-22695	1/2	12.7	7/8-14	3/4	1	1.23	31.2	3.92	99.6	2.59	65.8	.59


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





## Field Attachable Type T for G1 Hose (1 Wire)

### Female JIC 37° Flare Swivel - 90° Bent Tube - Cont'd

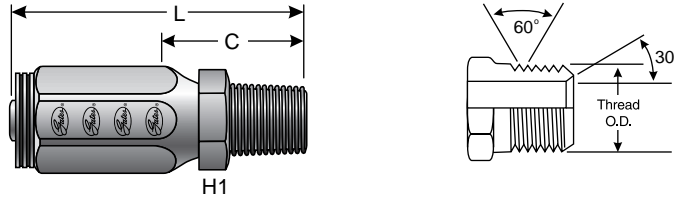
Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight
		"	mm				"	mm	"	mm	"	mm	
12C1T-12RFJX90	7231-22705	3/4	19.1	1 1/16-12	—	1 1/4	1.82	46.2	4.59	116.6	3.05	77.5	.93

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
<b>FIELD ATTACHABLE G1 AND G2 COUPLINGS</b>
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



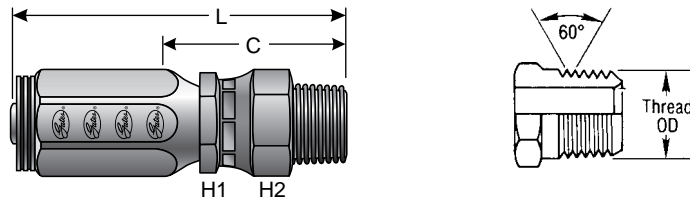
# Field Attachable Type T for G2 Hose (2 Wire)

## Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4C2AT-2RMP	7231-81247	1/4	6.4	1/8-27	1/2	—	2.30	58.4	1.23	31.2	.14
4C2AT-4RMP	7231-81223	1/4	6.4	1/4-18	9/16	—	2.52	64.0	1.45	36.8	.17
6C2AT-4RMP	7231-81248	3/8	9.5	1/4-18	9/16	—	2.68	68.1	1.45	36.8	.28
6C2AT-6RMP	7231-81224	3/8	9.5	3/8-18	11/16	—	2.53	64.3	1.30	33.0	.31
8C2AT-6RMP	7231-81249	1/2	12.7	3/8-18	11/16	—	3.05	77.5	1.63	41.4	.42
8C2AT-8RMP	7231-81225	1/2	12.7	1/2-14	7/8	—	3.06	77.7	1.64	41.7	.43
8C2AT-12RMP	7231-81251	1/2	12.7	3/4-14	1 1/16	—	3.13	79.5	1.71	43.4	.42
12C2AT-12RMP	7231-81226	3/4	19.1	3/4-14	1 1/16	—	3.19	81.0	1.65	41.9	.64
16C2AT-16RMP	7231-81227	1	25.4	1-11 1/2	1 3/8	—	3.78	96.0	2.04	51.8	1.12
20C2AT-20RMP	7231-81228	1 1/4	31.8	1 1/4-11 1/2	1 3/4	—	4.59	116.6	2.49	63.3	2.44
24C2AT-24RMP	7231-81252	1 1/2	38.1	1 1/2-11 1/2	2	—	5.18	131.6	2.68	68.1	3.08

## Male Pipe Swivel (NPTF - Without 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4C2AT-4RMPX	7231-22495	1/4	6.4	1/4-18	7/16	11/16	3.18	80.8	2.11	53.6	.21
6C2AT-6RMPX	7231-22505	3/8	9.5	3/8-18	5/8	7/8	3.51	89.2	2.27	57.7	.39
8C2AT-8RMPX	7231-22515	1/2	12.7	1/2-14	3/4	1	3.99	101.4	2.56	65.0	.54
12C2AT-12RMPX	7231-22525	3/4	19.1	3/4-14	1 1/16	1 5/16	4.27	108.5	2.73	69.3	.96

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



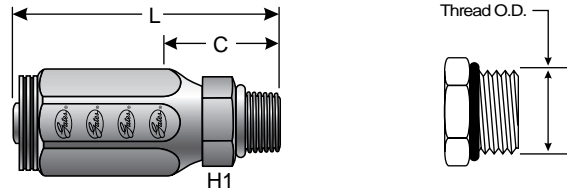
Powering Progress.

gates.com/hydraulics

O5

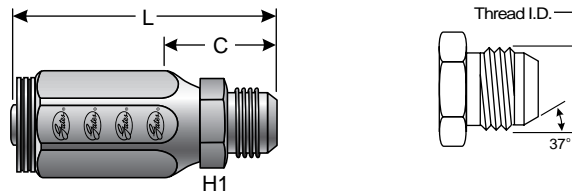
# Field Attachable Type T for G2 Hose (2 Wire)

## Male O-Ring Boss



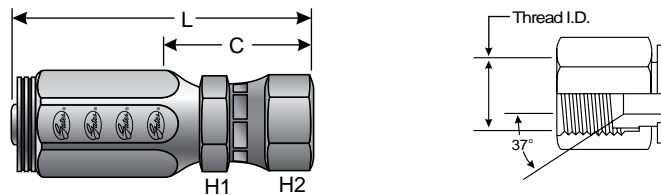
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
6C2AT-6RMB	7231-22355	3/8	9.5	9/16-18	11/16	—	2.52	64.0	1.28	32.5	.27
6C2AT-8RMB	7231-22365	3/8	9.5	3/4-16	7/8	—	2.59	65.8	1.36	34.5	.30
8C2AT-8RMB	7231-22375	1/2	12.7	3/4-16	7/8	—	2.87	72.9	1.45	36.8	.42
8C2AT-10RMB	7231-22385	1/2	12.7	7/8-14	1	—	3.11	79.0	1.59	40.4	.44

## Male JIC 37° Flare



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
6C2AT-6RMJ	7231-22025	3/8	9.5	9/16-18	9/16	—	2.68	68.1	1.45	36.8	.26
8C2AT-8RMJ	7231-22045	1/2	12.7	3/4-16	3/4	—	3.05	77.5	1.63	41.4	.48
8C2AT-10RMJ	7231-22055	1/2	12.7	7/8-14	7/8	—	3.31	84.1	1.89	48.1	.52
12C2AT-12RMJ	7231-22065	3/4	19.1	1 1/16-12	1 1/16	—	3.52	89.4	1.98	50.3	.79


## Female JIC 37° Flare Swivel



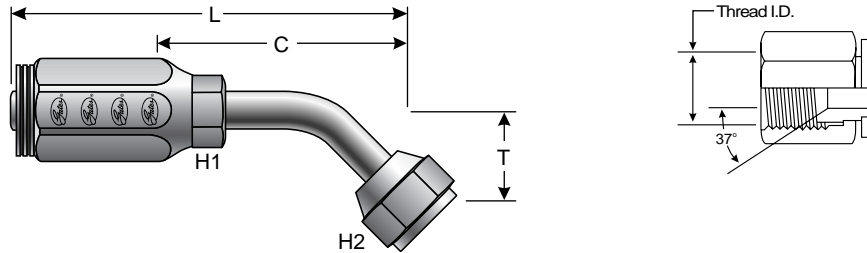
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4C2AT-4RFJX	7231-81229	1/4	6.4	7/16-20	9/16	9/16	2.47	62.7	1.40	35.6	.17
4C2AT-5RFJX	7231-81230	1/4	6.4	1/2-20	11/16	11/16	2.58	65.5	1.57	39.9	.18
6C2AT-6RFJX	7231-81231	3/8	9.5	9/16-18	3/4	3/4	2.80	71.1	1.56	39.6	.32


# Field Attachable Type T for G2 Hose (2 Wire)

## Female JIC 37° Flare Swivel - cont'd

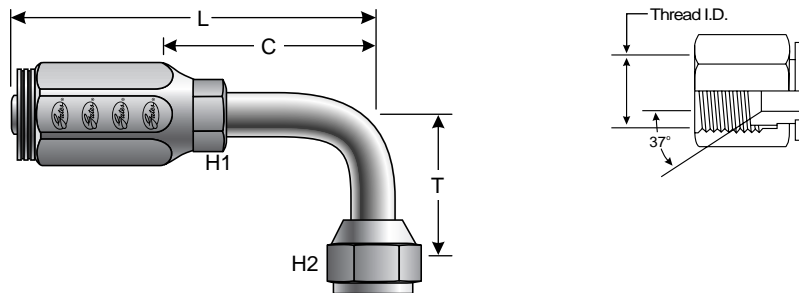
Descr.	Prod. No.	⌀			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
6C2AT-8RFJX	7231-81232	3/8	9.5	3/4-16	3/4	3/4	2.91	73.9	1.67	42.4	.37
8C2AT-8RFJX	7231-81233	1/2	12.7	3/4-16	13/16	7/8	3.24	82.3	1.82	46.2	.46
8C2AT-10RFJX	7231-81234	1/2	12.7	7/8-14	13/16	1 1/16	3.34	84.8	1.92	48.8	.53
12C2AT-12RFJX	7231-81235	3/4	19.1	1 1/16-12	1 1/8	1 1/2	3.45	87.6	1.91	48.5	.66
16C2AT-16RFJX	7231-81236	1	25.4	1 5/16-12	1 3/8	1 1/2	3.90	99.1	2.16	54.9	1.24
20C2AT-20RFJX	7231-81237	1 1/4	31.8	1 5/12-12	1 7/8	2	4.85	123.2	2.74	69.6	3.01
24C2AT-24RFJX	7231-81254	1 1/2	38.1	1 7/8-12	2 1/8	2 1/4	5.26	133.6	2.76	70.1	3.69


## Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⌀			H1	H2	T	L		C		Weight	
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
4C2AT-4RFJX45	7231-22595	1/4	6.4	7/16-20	3/8	9/16	.33	8.4	2.80	71.1	1.73	43.9	.16
6C2AT-6RFJX45	7231-22605	3/8	9.5	9/16-18	1/2	11/16	.39	9.9	3.37	85.6	2.14	54.4	.30
8C2AT-8RFJX45	7231-22615	1/2	12.7	3/4-16	5/8	7/8	.55	14.0	4.11	104.4	2.68	68.1	.54
12C2AT-12RFJX45	7231-22625	3/4	19.1	1 1/16-12	7/8	1 1/4	.78	19.8	4.70	119.4	3.16	80.3	.90

## Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⌀			H1	H2	T	L		C		Weight	
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
4C2AT-4RFJX90	7231-22755	1/4	6.4	7/16-20	3/8	9/16	.68	17.3	2.69	68.3	1.62	41.2	.16
6C2AT-6RFJX90	7231-22765	3/8	9.5	9/16-18	1/2	11/16	.85	21.6	3.28	83.3	2.04	51.8	.31
8C2AT-8RFJX90	7231-22775	3/8	9.5	3/4-16	5/8	7/8	1.09	27.7	3.58	90.9	2.35	59.7	.39

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



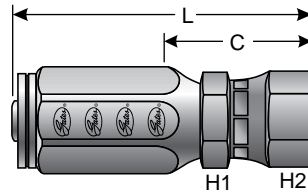
## Field Attachable Type T for G2 Hose (2 Wire)

### Female JIC 37° Flare Swivel - 90° Bent Tube - Cont'd

Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
8C2AT-8RFJX90	7231-22785	1/2	12.7	3/4-16	5/8	7/8	1.09	27.7	3.86	98.1	2.42	61.5	.55
8C2AT-10RFJX90	7231-22795	1/2	12.7	7/8-14	3/4	1	1.23	31.2	3.92	99.6	2.50	63.5	.64
12C2AT-12RFJX90	7231-22805	3/4	19.1	1 1/16-12	7/8	1 1/4	1.82	46.2	4.59	116.6	3.05	77.5	.94

### Female Flat-Face O-Ring Swivel

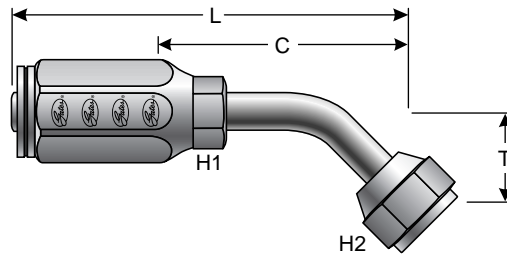
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4C2AT-4RFFORX	7231-14105	1/4	6.4	9/16-18	43/64	43/64	2.50	63.5	1.43	36.3	.16
6C2AT-6RFFORX	7231-14125	3/8	9.5	11/16-16	7/8	7/8	2.88	73.2	1.64	41.7	.34
8C2AT-8RFFORX	7231-14145	1/2	12.7	13/16-16	61/64	61/64	3.37	85.6	1.94	49.3	.46
12C2AT-12RFFORX	7231-14165	3/4	19.1	1 13/16-16	1 1/8	1 13/32	2.03	51.6	3.57	90.7	.81

### Female Flat-Face O-Ring Swivel - 45° Bent Tube

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Weight	
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
4C2AT-4RFFORX45S	7231-14305	1/4	6.4	9/16-18	3/8	9/16	.68	17.3	2.69	68.3	1.62	41.2	.16
6C2AT-6RFFORX45S	7231-14325	3/8	9.5	11/16-16	1/2	11/16	.85	21.6	3.28	83.3	2.04	51.8	.29
8C2AT-8RFFORX45S	7231-14345	1/2	12.7	13/16-16	5/8	7/8	1.09	27.7	3.86	98.1	2.42	61.5	.46
12C2AT-12RFFORX45S	7231-14365	3/4	19.1	1 13/16-12	7/8	1 1/4	1.82	46.2	4.59	116.6	3.05	77.5	.86

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

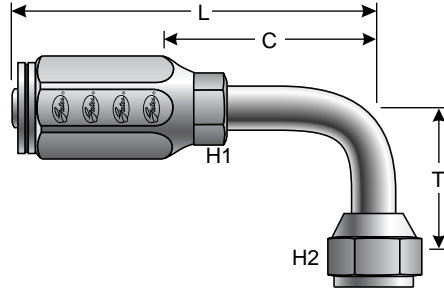
ACCESSORIES


EQUIPMENT AND PARTS

# Field Attachable Type T for G2 Hose (2 Wire)

## Female Flat-Face O-Ring Swivel - 90° Bent Tube

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight Lbs.
		"	mm				"	mm	"	mm	"	mm	
4C2AT-4RFFORX90S	7231-14505	1/4	6.4	9/16-18	3/8	9/16	.68	17.3	2.69	68.3	1.62	41.2	.17
6C2AT-6RFFORX90S	7231-14525	3/8	9.5	11/16-16	1/2	11/16	.85	21.6	3.28	83.3	2.04	51.8	.31
8C2AT-8RFFORX90S	7231-14545	1/2	12.7	13/16-16	5/8	7/8	1.09	27.7	3.86	98.1	2.42	61.5	.47

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
<b>FIELD ATTACHABLE G1 AND G2 COUPLINGS</b>
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS







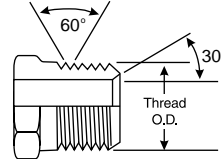
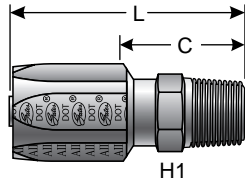
# Notes



# Field Attachable for C5C, C5D & C5M Hose

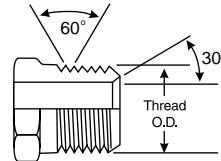
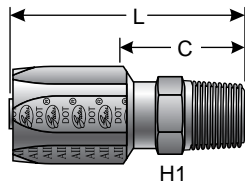
## Male Pipe (NPTF - 30° Cone Seat) - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	Ø		Thread	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4C5-2RMP	7236-04015	3/16	4.8	1/8-27	1/2	—	1.64	41.7	.94	23.9	.08
4C5-4RMP	7236-04025	3/16	4.8	1/4-18	9/16	—	1.83	46.5	1.13	28.7	.11
5C5-2RMP	7236-04035	1/4	6.4	1/8-27	1/2	—	1.77	45.0	1.00	25.4	.10
5C5-4RMP	7236-04045	1/4	6.4	1/4-18	9/16	—	1.96	49.8	1.19	30.2	.10
6C5-4RMP	7236-04055	5/16	7.9	1/4-18	9/16	—	2.17	55.1	1.22	31.0	.15
6C5-6RMP	7236-04275	5/16	7.9	3/8-18	11/16	—	2.17	55.1	1.22	31.0	.14
8C5-6RMP	7236-04065	13/32	10.3	3/8-18	11/16	—	2.46	62.5	1.34	34.0	.20
8C5-8RMP	7236-04075	13/32	10.3	1/2-14	7/8	—	2.71	68.8	1.59	40.4	.32
10C5-8RMP	7236-04085	1/2	12.7	1/2-14	1 1/16	—	2.88	73.2	1.59	40.4	.38
10C5-12RMP	7236-04095	1/2	12.7	3/4-14	1	—	2.95	74.9	1.66	42.2	.48
12C5-8RMP	7236-04105	5/8	15.9	1/2-14	7/8	—	3.15	80.0	1.59	40.4	.41
12C5-12RMP	7236-04115	5/8	15.9	3/4-14	1 1/16	—	3.25	82.6	1.69	42.9	.51
16C5-12RMP	7236-86412	7/8	22.2	3/4-14	1 1/8	—	2.71	68.8	1.53	38.9	.60
16C5-16RMP	7236-86413	7/8	22.2	1-11 1/2	1 3/8	—	2.90	73.7	1.72	43.7	.73
20C5-20RMP	7236-86428	1 1/8	28.6	1 1/4-11 1/2	1 11/16	—	3.25	82.6	1.88	47.8	1.15
24C5-24RMP	7236-86388	1 3/8	34.9	1 1/2-11 1/2	2	—	3.45	87.6	2.03	51.6	1.56
32C5-32RMP	7236-86389	1 13/16	46.0	2-11 1/2	2 1/2	—	4.07	103.4	2.22	56.4	2.30

## Male Pipe (NPTF - 30° Cone Seat) - Brass



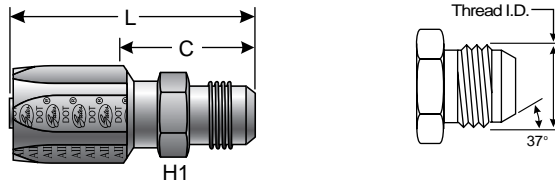
Descr.	Prod. No.	Ø		Thread	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
5C5-4RMPB	7236-03005	1/4	6.4	1/4-18	9/16	—	1.96	49.8	1.19	30.2	.10
6C5-6RMPB	7236-03015	5/16	7.9	3/8-18	11/16	—	2.17	55.1	1.22	31.0	.18
8C5-8RMPB	7236-03085	13/32	10.3	1/2-14	7/8	—	2.71	68.8	1.59	40.4	.29
10C5-8RMPB	7236-03035	1/2	12.7	1/2-14	7/8	—	2.88	73.2	1.59	40.4	.39
12C5-12RMPB	7236-03045	5/8	15.9	3/4-14	1 1/16	—	3.26	82.8	1.69	42.9	.53
16C5-16RMPB	7236-03065	7/8	22.2	1-11 1/2	1 3/8	—	2.91	73.9	1.72	43.7	.71

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Field Attachable for C5C, C5D & C5M Hose

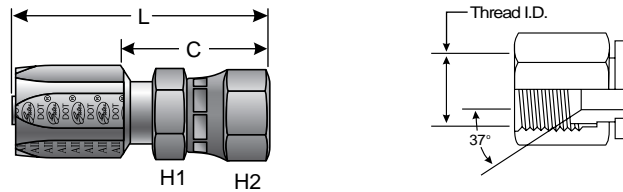
## Male JIC 37° Flare - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4C5-4RMJ	7236-86431	3/16	4.8	7/16-20	1/2	—	1.79	45.5	1.09	27.7	.08
5C5-5RMJ	7236-86432	1/4	6.4	1/2-20	1/2	—	1.96	49.8	1.19	30.2	.10
6C5-6RMJ	7236-86433	5/16	7.9	9/16-18	9/16	—	2.17	55.1	1.22	31.0	.15
8C5-8RMJ	7236-86434	13/32	10.3	3/4-16	3/4	—	2.56	65.0	1.44	36.6	.26
10C5-10RMJ	7236-86435	1/2	12.7	7/8-14	7/8	—	2.88	73.2	1.59	40.4	.37
12C5-12RMJ	7236-86436	5/8	15.9	1 1/16-12	1 1/16	—	3.34	84.8	1.78	45.2	.52
16C5-16RMJ	7236-86437	7/8	22.2	1 5/16-12	1 5/16	—	2.87	72.9	1.69	42.9	.67

## Female JIC 37° Flare Swivel - Steel

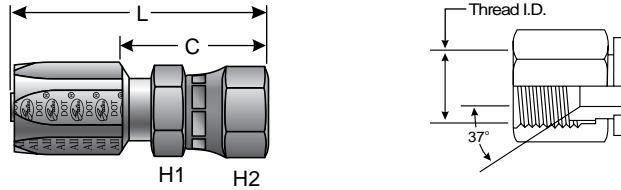
DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
6C5-6RFJX	7238-86443	5/16	7.9	9/16-18	3/4	3/4	2.39	60.7	1.44	36.6	.17
8C5-6RFJX	7238-04305	13/32	10.3	9/16-18	3/4	3/4	2.66	67.6	1.54	39.1	.23
10C5-12RFJX	7238-04325	1/2	12.7	1 1/16-12	1 1/4	1 1/4	3.22	81.8	1.93	49.0	.23
12C5-12RFJX	7238-86446	5/8	15.9	1 1/16-12	1 1/4	1 1/4	3.50	88.9	1.94	49.3	.48
16C5-16RFJX	7238-86447	7/8	22.2	1 5/16-12	1 1/2	1 1/2	3.12	79.3	1.94	49.3	.75
20C5-20RFJX	7238-86394	1 1/8	28.6	1 5/8-12	2	2	3.56	90.4	2.19	55.6	1.55
24C5-24RFJX	7238-86395	1 3/8	34.9	1 7/8-12	2 1/4	2 1/4	3.79	96.3	2.37	60.2	1.85
32C5-32RFJX	7238-86396	1 13/16	46.0	2 1/2-12	2 1/2	2 7/8	4.99	126.8	2.72	69.1	2.74

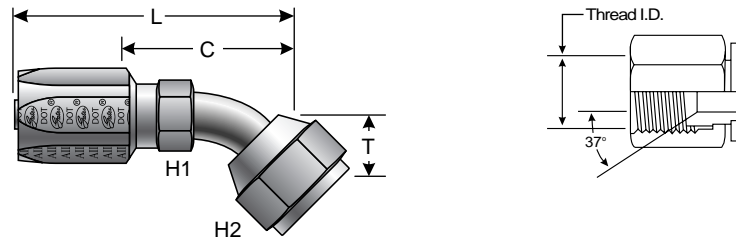
# Field Attachable for C5C, C5D & C5M Hose

## Female JIC 37° Flare Swivel - Brass



Descr.	Prod. No.	⌀		Thread	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
6C5-6RFJXB	7238-04075	5/16	7.9	9/16-18	3/4	3/4	2.39	60.7	1.44	36.6	.18
12C5-12RFJXB	7238-04085	5/8	15.9	1 1/16-12	1 1/4	1 1/4	3.50	88.9	1.94	49.3	.68
16C5-16RFJXB	7238-04095	7/8	22.2	1 5/16-12	1 1/2	1 1/2	3.12	79.3	1.94	49.3	.80

## Female JIC 37° Flare Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⌀		Thread	H1	H2	T	L		C		Weight	
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
6C5-6RFJX45	7235-86464	5/16	7.9	9/16-18	1/2	11/16	.41	2.40	61.0	1.45	36.8	.15	
12C5-12RFJX45	7235-86467	5/8	15.9	1 1/16-12	7/8	1 1/4	.78	19.8	4.27	108.5	2.71	68.8	.65
16C5-16RFJX45	7235-86468	7/8	22.2	1 5/16-12	—	1 1/2	.88	22.4	4.03	102.4	2.84	72.1	.88

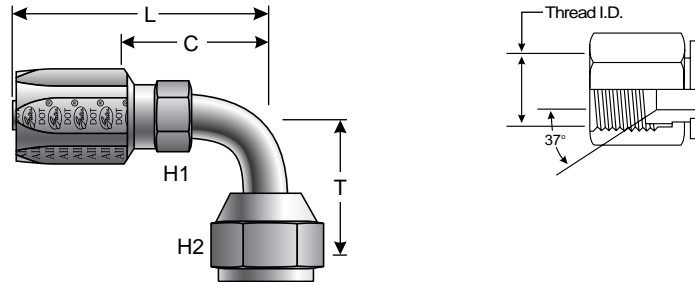
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



## Field Attachable for C5C, C5D & C5M Hose

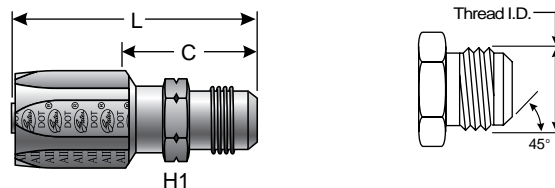
### Female JIC 37° Flare Swivel - 90° Bent Tube - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⌀		🌀	H1	H2	T	L		C		Weight Lbs.	
		"	mm					"	mm	"	mm		
6C5-6RFJX90	7235-86471	5/16	7.9	9/16-18	1/2	11/16	.84	21.3	2.28	57.9	1.33	33.8	.17
6C5-6RFJX90L	7235-04205	5/16	7.9	9/16-18	1/2	11/16	2.19	55.6	2.28	57.9	1.33	33.8	.02
12C5-12RFJX90	7235-86474	5/8	15.9	1 1/16-12	7/8	1 1/4	1.81	46.0	4.22	107.2	2.66	67.6	.70
12C5-12RFJX90L	7235-86481	5/8	15.9	1 1/16-12	7/8	1 1/4	3.75	95.3	4.22	107.2	2.66	67.6	.77
16C5-16RFJX90	7235-86475	7/8	22.2	1 5/16-12	—	1 1/2	2.16	54.9	3.95	100.3	2.76	70.1	.94
16C5-16RFJX90L	7235-86482	7/8	22.2	1 5/16-12	—	1 1/2	4.34	110.2	3.95	100.3	2.76	70.1	1.06
20C5-20RFJX90L	7235-20255	1 1/8	28.6	1 5/8-12	—	2	5.50	139.7	5.26	133.6	3.89	98.8	2.20
20C5-20RFJX90S	7235-20265	1 1/8	28.6	1 5/8-12	—	2	2.75	69.9	5.07	128.8	3.70	94.0	1.89

### Male SAE 45° Flare - Steel



Descr.	Prod. No.	⌀		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4C5-4RMS	7236-86414	3/16	4.8	1/2-20	1/2	—	1.76	44.7	1.06	26.9	.08
5C5-5RMS	7236-86415	1/4	6.4	1/2-20	1/2	—	1.96	49.8	1.19	30.2	.10
6C5-6RMS	7236-86416	5/16	7.9	5/8-18	5/8	—	2.23	56.6	1.28	32.5	.15
8C5-8RMS	7236-86417	13/32	10.3	3/4-16	3/4	—	2.65	67.3	1.53	38.9	.26
10C5-10RMS	7236-86418	1/2	12.7	7/8-14	7/8	—	3.01	76.5	1.72	43.7	.40
12C5-12RMS	7236-86419	5/8	15.9	1 1/16-14	1 1/16	—	3.50	88.9	1.94	49.3	.60

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL  
II COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

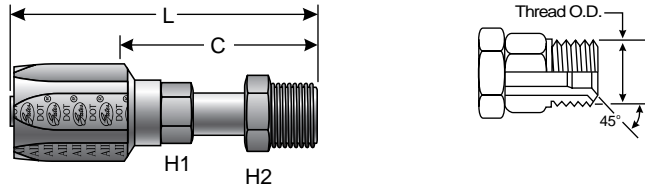
ACCESSORIES

EQUIPMENT  
AND PARTS

# Field Attachable for C5C, C5D & C5M Hose

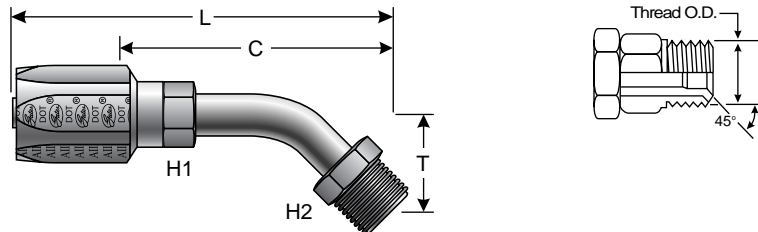
## Male SAE 45° Flare Inverted Swivel - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
4C5-4RMIX	7235-86372	3/16	4.8	7/16-24	7/16	7/16	2.41	61.2	1.72	43.7	.13
5C5-5RMIX	7235-86381	1/4	6.4	1/2-20	7/16	1/2	2.63	66.8	1.84	46.7	.16
5C5-6RMIX	7235-01025	1/4	6.4	5/8-18	1/2	5/8	2.59	65.8	1.82	46.2	.90
6C5-5RMIX	7235-01035	5/16	7.9	1/2-20	1/2	1/2	2.60	66.0	1.65	41.9	.14
6C5-6RMIX	7235-86382	5/16	7.9	5/8-18	1/2	5/8	2.86	72.6	1.91	48.5	.15
6C5-8RMIX	7235-01055	5/16	7.9	3/4-16	5/8	3/4	3.23	82.0	2.28	57.9	.21
8C5-6RMIX	7235-01065	13/32	10.3	5/8-18	5/8	5/8	3.13	79.5	2.01	51.1	.24
8C5-8RMIX	7235-01075	13/32	10.3	3/4-16	5/8	3/4	3.49	88.7	2.37	60.2	.27

## Male SAE 45° Flare Inverted Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Weight	
		"	mm					"	mm	"	mm		Lbs.
4C5-4RMIX45	7235-05005	3/16	4.8	7/16-24	7/16	7/16	.62	15.8	2.18	55.4	1.48	37.6	.10
6C5-6RMIX45	7235-05015	5/16	7.9	5/8-18	1/2	5/8	.94	23.9	3.03	77.0	2.09	53.1	.17
8C5-8RMIX45	7235-05025	13/32	10.3	3/4-16	5/8	3/4	1.09	27.7	3.44	87.4	2.32	58.9	.29

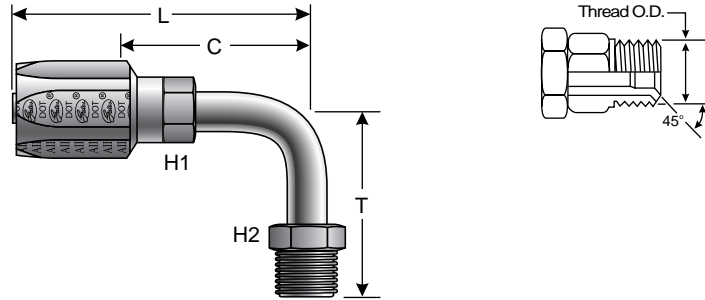
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



## Field Attachable for C5C, C5D & C5M Hose

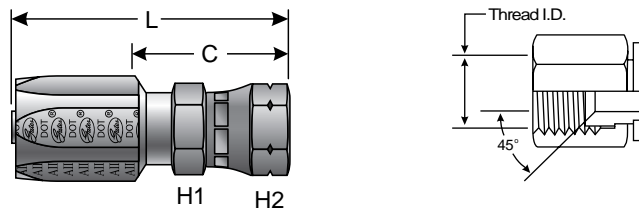
### Male SAE 45° Flare Inverted Swivel - 90° Bent Tube - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⌀		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm				"	mm	"	mm	"	mm	
4C5-4RMIX90	7235-05105	3/16	4.8	7/16-24	7/16	7/16	1.56	39.6	2.17	55.1	1.47	37.3	.11
5C5-5RMIX90	7235-86386	1/4	6.4	1/2-20	7/16	1/2	1.66	42.2	2.43	61.7	1.66	42.2	.17
6C5-6RMIX90	7235-86387	5/16	7.9	5/8-18	1/2	5/8	1.69	42.9	2.64	67.1	1.69	42.9	.18
6C5-8RMIX90	7235-05135	5/16	7.9	3/4-16	5/8	3/4	1.78	45.2	2.73	69.3	1.78	45.2	.23
8C5-6RMIX90	7235-05145	13/32	10.3	5/8-18	5/8	5/8	1.69	42.9	2.81	71.4	1.69	42.9	.24
8C5-8RMIX90	7235-05155	13/32	10.3	3/4-16	5/8	3/4	1.78	45.2	2.90	73.7	1.78	45.2	.29

### Female SAE 45° Flare Swivel - Steel



Descr.	Prod. No.	⌀		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
6C5-6RFSX	7238-04235	5/16	7.9	5/8-18	3/4	3/4	2.42	61.5	1.47	37.3	.18
10C5-12RFSX	7238-04335	1/2	12.7	1 1/16-14	1 1/4	1 1/4	3.22	81.8	1.93	49.0	.56
12C5-12RFSX	7238-04265	5/8	15.9	1 1/16-14	1 1/4	1 1/4	3.50	88.9	1.94	49.3	.64

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL  
II COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

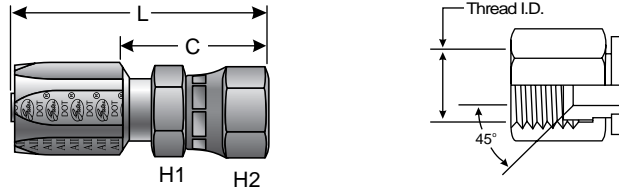
ACCESSORIES

EQUIPMENT  
AND PARTS

# Field Attachable for C5C, C5D & C5M Hose

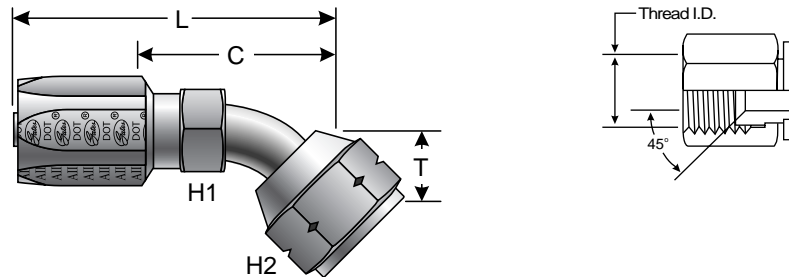
## Female SAE 45° Flare Swivel - Brass

DOT FMVSS 106-74 Type All.



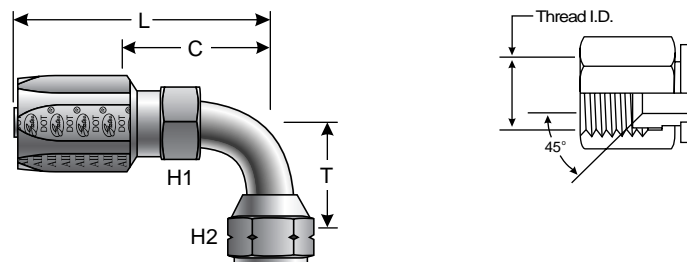
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
6C5-6RFSXB	7238-04045	5/16	7.9	5/8-18	3/4	3/4	2.42	61.5	1.47	37.3	.22
12C5-12RFSXB	7238-04055	5/8	15.9	1 1/16-14	1 1/4	1 1/4	3.50	88.9	1.94	49.3	.66

## Female SAE 45° Flare Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Weight Lbs.	
		"	mm					"	mm	"	mm		
6C5-6RFSX45	7235-04855	5/16	7.9	5/8-18	1/2	3/4	.41	10.4	2.42	61.5	1.47	37.3	.18
12C5-12RFSX45	7235-04885	5/8	15.9	1 1/16-14	7/8	1 1/4	.74	18.8	4.27	108.5	2.71	68.8	.66

## Female SAE 45° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Weight Lbs.	
		"	mm					"	mm	"	mm		
6C5-6RFSX90	7235-04915	5/16	7.9	5/8-18	1/2	3/4	.84	21.3	2.28	57.9	1.33	33.8	.19

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
<b>FIELD ATTACHABLE C5 AND C5E COUPLINGS</b>
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





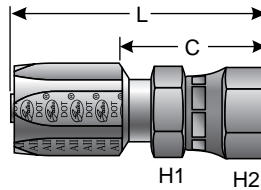
## Field Attachable for C5C, C5D & C5M Hose

### Female SAE 45° Flare Swivel - 90° Bent Tube - Steel - Cont'd

Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	"	mm	
6C5-6RFSX90L	7235-86497	5/16	7.9	5/8-18	1/2	3/4	2.19	55.6	2.28	57.9	1.22	31.0	.21
12C5-12RFSX90	7235-04945	5/8	15.9	1 1/16-14	7/8	1 1/4	1.81	46.0	4.72	119.9	2.66	67.6	.70
12C5-12RFSX90L	7235-86376	5/8	15.9	1 1/16-14	7/8	1 1/4	3.75	95.3	4.22	107.2	2.16	54.9	.78

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Steel

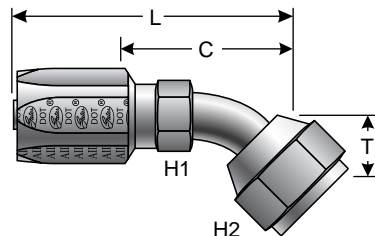
DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	
4C5-4RFJSX	7238-04215	3/16	4.8	7/16-20	9/16	9/16	1.92	48.8	1.22	31.0	.20
5C5-4RFJSX	7238-04275	1/4	6.4	7/16-20	9/16	9/16	2.05	52.1	1.28	32.5	.10
5C5-5RFJSX	7238-04225	1/4	6.4	1/2-20	11/16	11/16	2.11	53.6	1.34	34.0	.14
6C5-8RFJSX	7238-04295	5/16	7.9	3/4-16	7/8	7/8	2.48	63.0	1.53	38.9	.25
8C5-8RFJSX	7238-04245	13/32	10.3	3/4-16	7/8	7/8	2.75	69.9	1.63	41.4	.28
10C5-8RFJSX	7238-04315	1/2	12.7	3/4-16	7/8	7/8	2.93	74.4	1.64	41.7	.35
10C5-10RFJSX	7238-04255	1/2	12.7	7/8-14	1 1/16	1 1/16	3.10	78.7	1.81	46.0	.44

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube - Steel

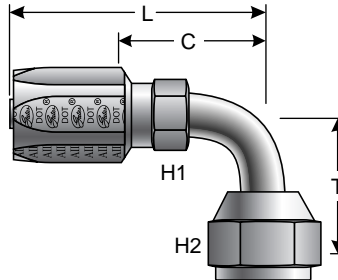
DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Weight Lbs.	
		"	mm		"	"	"	mm	"	mm			
4C5-4RFJSX45	7235-20005	3/16	4.8	7/16-20	7/16	9/16	.34	8.6	1.90	48.3	1.21	30.7	.06
5C5-5RFJSX45	7235-20015	1/4	6.4	1/2-20	7/16	5/8	.38	9.7	2.11	53.6	1.34	34.0	.16
6C5-8RFJSX45	7235-20045	5/16	7.9	3/4-16	5/8	7/8	.56	14.2	2.71	68.8	1.76	44.7	.21
8C5-8RFJSX45	7235-20025	13/32	10.3	3/4-16	5/8	7/8	.56	14.2	2.98	75.7	1.86	47.2	.30
10C5-10RFJSX45	7235-20035	1/2	12.7	7/8-14	3/4	1	.63	16.0	3.60	91.4	2.31	58.7	.45

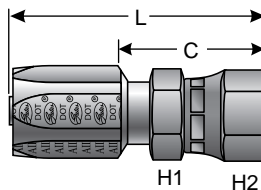
## Field Attachable for C5C, C5D & C5M Hose

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm				"	mm	"	mm	"	mm	
4C5-4RFJSX90	7235-20105	3/16	4.8	7/16-20	7/16	9/16	.69	17.5	1.78	45.2	1.08	27.4	.06
4C5-4RFJSX90L	7235-20205	3/16	4.8	7/16-20	7/16	9/16	1.81	46.0	1.78	45.2	1.08	27.4	.07
5C5-5RFJSX90	7235-20115	1/4	6.4	1/2-20	7/16	5/8	.78	19.8	2.02	51.3	1.25	31.8	.16
5C5-5RFJSX90L	7235-20215	1/4	6.4	1/2-20	7/16	5/8	1.78	45.2	2.02	51.3	1.25	31.8	.17
8C5-8RFJSX90	7235-20125	13/32	10.3	3/4-16	5/8	7/8	1.09	27.7	2.79	70.9	1.67	42.4	.29
8C5-8RFJSX90L	7235-20225	13/32	10.3	3/4-16	5/8	7/8	2.44	62.0	2.79	70.9	1.67	42.4	.31
10C5-10RFJSX90	7235-20135	1/2	12.7	7/8-14	3/4	1	1.25	31.8	3.41	86.6	2.12	53.9	.47
10C5-10RFJSX90L	7235-20235	1/2	12.7	7/8-14	3/4	1	2.56	65.0	3.41	86.6	2.12	53.9	.51

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Brass



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
5C5-5RFJSXB	7238-04005	1/4	6.4	1/2-20	11/16	11/16	2.11	53.6	1.34	34.0	.15
8C5-8RFJSXB	7238-04015	13/32	10.3	3/4-16	7/8	7/8	2.75	69.9	1.63	41.4	.32
10C5-10RFJSXB	7238-04025	1/2	12.7	7/8-14	1 1/16	1 1/16	3.10	78.7	1.81	46.0	.44

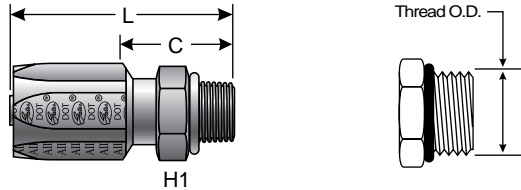
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Field Attachable for C5C, C5D & C5M Hose

## Male O-Ring Boss - Steel

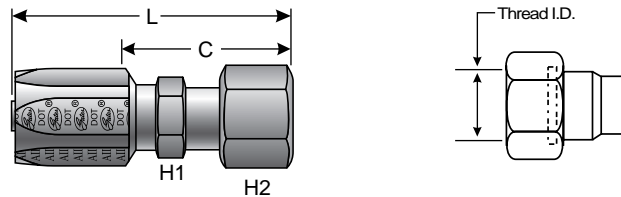
DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⌀		Thread	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4C5-4RMB	7236-86451	3/16	4.8	7/16-20	5/8	—	1.66	42.2	.94	23.9	.08
6C5-6RMB	7236-86453	5/16	7.9	9/16-18	11/16	—	2.00	50.8	1.05	26.7	.15
8C5-8RMB	7236-86454	13/32	10.3	3/4-16	15/16	—	2.35	59.7	1.19	30.2	.25

## Female Flat-Face Swivel - Steel

DOT FMVSS 106-74 Type All.  
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⌀		Thread	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4C5-4RFFORX	7238-01505	3/16	4.8	9/16-18	9/16	11/16	2.07	52.6	1.32	33.5	.15
6C5-6RFFORX	7238-01265	5/16	7.9	11/16-16	1/2	13/16	2.53	64.3	1.58	40.1	.15
8C5-8RFFORX	7238-01535	13/32	10.3	13/16-16	13/16	15/16	2.92	74.2	1.77	45.0	.29
10C5-10RFFORX	7238-01545	1/2	12.7	1-14	15/16	1 1/8	3.23	82.0	1.94	49.3	.43
12C5-12RFFORX	7238-01555	5/8	15.9	1 3/16-12	7/8	1 3/8	3.70	94.0	2.12	53.9	.70

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

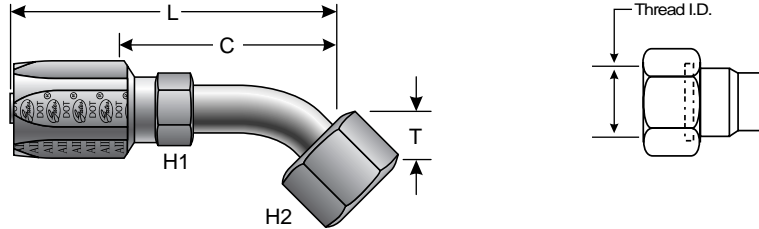
ACCESSORIES

EQUIPMENT AND PARTS

# Field Attachable for C5C, C5D & C5M Hose

## Female Flat-Face Swivel - 45° Bent Tube - Steel

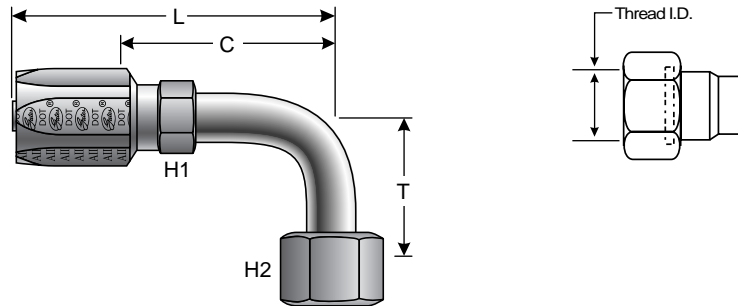
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm				"	mm	"	mm	"	mm	
4C5-4RFFORX45	7235-05275	3/16	4.8	9/16-18	1/2	11/16	.41	10.4	2.42	61.5	1.67	42.4	.06

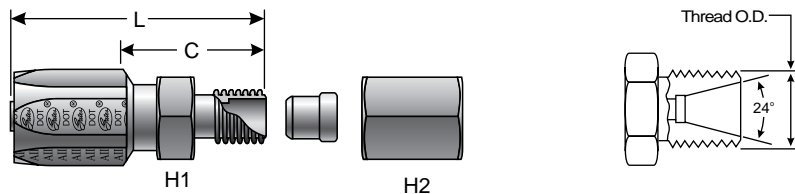
## Female Flat-Face Swivel - 90° Bent Tube - Steel

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm				"	mm	"	mm	"	mm	
4C5-4RFFORX90	7235-05285	3/16	4.8	1/2-20	1/2	11/16	.82	20.8	2.17	55.1	1.42	36.1	.07
6C5-6RFFORX90S	7235-05305	5/16	7.9	5/8-18	1/2	13/16	.90	22.9	2.77	70.4	1.82	46.2	.20

## SAE Male Flareless Assembly - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4C5-4RMFA	7236-04855	3/16	4.8	7/16-20	1/2	9/16	1.81	46.0	1.06	26.9	.33

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
<b>FIELD ATTACHABLE C5 AND C5E COUPLINGS</b>
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

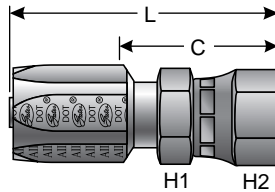


# Field Attachable for C5C, C5D & C5M Hose

## SAE Male Flareless Assembly - Steel - Cont'd

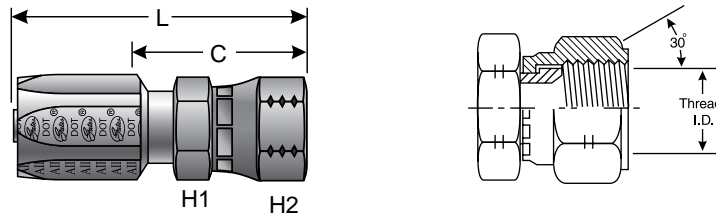
Descr.	Prod. No.	Ø			H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
5C5-5RMFA	7236-04865	1/4	6.4	1/2-20	9/16	5/8	1.91	48.5	1.12	28.5	.35
6C5-4RMFA	7236-04875	5/16	7.9	7/16-20	9/16	9/16	2.03	51.6	1.13	28.7	.36
6C5-6RMFA	7236-04885	5/16	7.9	5/8-18	5/8	11/16	2.05	52.1	1.15	29.2	.38
8C5-8RMFA	7236-04895	13/32	10.3	3/4-16	13/16	7/8	2.52	64.0	1.37	34.8	.52
10C5-10RMFA	7236-04905	1/2	12.7	7/8-14	15/16	1	2.77	70.4	1.48	37.6	.73

## Female Air Brake Swivel - Steel



Descr.	Prod. No.	Ø			H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
6C5-6RFABX	7238-04425	5/16	7.9	3/4-20	7/8	7/8	2.29	58.2	1.34	34.0	.23
8C5-6RFABX	7238-04435	13/32	10.3	3/4-20	7/8	7/8	2.60	66.0	1.48	37.6	.28

## Parker Triple Thread Female Swivel - Steel



Descr.	Prod. No.	Ø			H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
16C5-16RFZX	7238-86461	7/8	22.2	1 5/16-14	1 1/2	1 1/2	2.90	73.7	1.72	43.7	.74

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

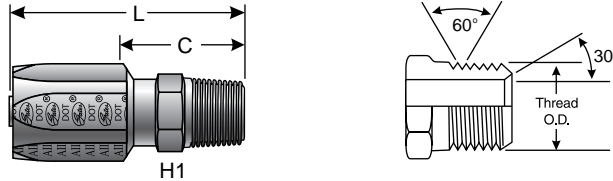
ACCESSORIES

EQUIPMENT AND PARTS

# Field Attachable for C5E Hose

## Male Pipe (NPTF - 30° Cone Seat) - Steel

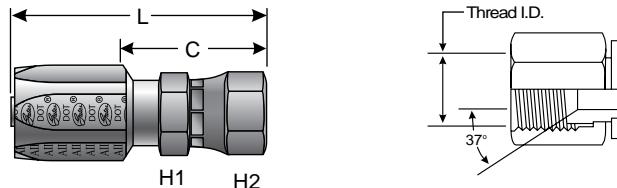
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
4C5E-2RMP	7236-00755	3/16	4.8	1/8-27	1/2	—	1.53	38.9	.81	20.6	.05
4C5E-4RMP	7236-00765	3/16	4.8	1/4-18	9/16	—	1.75	44.5	1.03	26.2	.07
5C5E-4RMP	7236-00775	1/4	6.4	1/4-18	9/16	—	1.76	44.7	.96	24.4	.08
6C5E-4RMP	7236-00785	5/16	7.9	1/4-18	9/16	—	1.85	47.0	1.00	25.4	.11
6C5E-6RMP	7236-00795	5/16	7.9	3/8-18	11/16	—	1.89	48.0	1.04	26.4	.12
8C5E-6RMP	7236-00805	13/32	10.3	3/8-18	11/16	—	2.19	55.6	1.19	30.2	.18
8C5E-8RMP	7236-00815	13/32	10.3	1/2-14	7/8	—	2.29	58.2	1.29	32.8	.23
10C5E-8RMP	7236-00825	1/2	12.7	1/2-14	7/8	—	2.38	60.5	1.31	33.3	.26
12C5E-12RMP	7236-00835	5/8	15.9	3/4-14	1 1/16	—	2.59	65.8	1.44	36.6	.37
12C5E-16RMP	7236-00845	5/8	15.9	1-11 1/2	1 3/8	—	2.87	72.9	1.72	43.7	.48
16C5E-12RMP	7236-00865	7/8	22.2	3/4-14	1 1/16	—	2.49	63.3	1.43	36.3	.54
16C5E-16RMP	7236-00855	7/8	22.2	1-11 1/2	1 3/8	—	2.80	71.1	1.74	44.2	.80
20C5E-20RMP	7236-00885	1 1/8	28.6	1 1/4-11	1 3/4	—	2.92	74.2	1.80	45.7	.80

## Female JIC 37° Flare Swivel - Steel

DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
6C5E-6RFJX	7238-01025	5/16	7.9	9/16-18	3/4	3/4	2.04	51.8	1.19	30.2	.16
12C5E-12RFJX	7238-01055	5/8	15.9	1 1/16-12	1 1/4	1 1/4	2.92	74.2	1.78	45.2	.45
16C5E-16RFJX	7238-01065	7/8	22.2	1 5/16-12	1 1/2	1 1/2	2.90	73.7	1.84	46.7	.59
20C5E-20RFJX	7238-01215	1 1/8	28.6	1 5/8-12	1 9/16	2	3.34	84.8	2.20	55.9	1.20

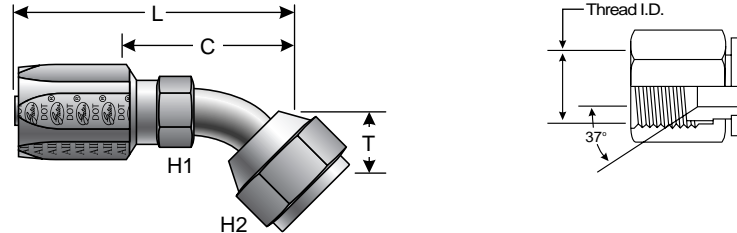
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



## Field Attachable for C5E Hose

### Female JIC 37° Flare Swivel - 45° Bent Tube - Steel

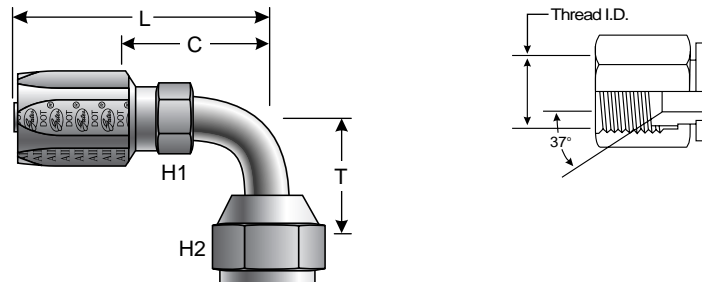
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
6C5E-6RFJX45	7235-20415	5/16	7.9	9/16-18	1/2	11/16	.41	10.4	2.33	59.2	1.48	37.6	.17
12C5E-12RFJX45	7235-20455	5/8	15.9	1 1/16-12	7/8	1 1/4	.78	19.8	3.63	92.2	2.49	63.3	.53

### Female JIC 37° Flare Swivel - 90° Bent Tube - Steel

DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
6C5E-6RFJX90	7235-00305	5/16	7.9	9/16-18	1/2	11/16	.84	21.3	2.21	56.1	1.36	34.5	.14
12C5E-12RFJX90	7235-00265	5/8	15.9	1 1/16-12	7/8	1 1/4	1.81	46.0	3.58	90.9	2.44	62.0	.60
16C5E-16RFJX90	7235-00285	7/8	22.2	1 5/16-13	—	1 1/2	2.16	54.9	3.72	94.5	2.66	67.6	1.70
20C5E-20RFJX90	7235-20345	1 1/8	28.6	1 5/8-12	2	1 9/16	2.65	67.3	5.58	141.7	4.45	113.0	1.72

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

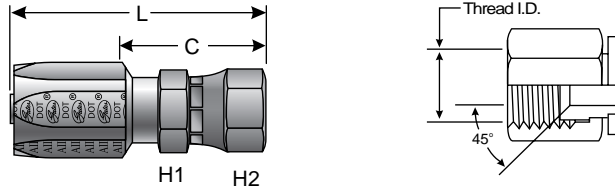
ACCESSORIES

EQUIPMENT AND PARTS

# Field Attachable for C5E Hose

## Female SAE 45° Flare Swivel - Steel

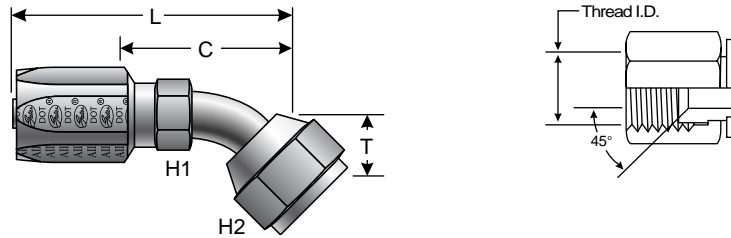
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⌀		🌀	H1	H2	L		C		Weight Lbs.
		"	mm				"	mm	"	mm	
6C5E-6RFSX	7238-00955	5/16	7.9	5/8-18	3/4	3/4	2.13	54.1	1.28	32.5	.16
12C5E-12RFSX	7238-00985	5/8	15.9	1 1/16-14	1 1/4	1 1/4	2.94	74.7	1.80	45.7	.45

## Female SAE 45° Flare Swivel - 45° Bent Tube - Steel

DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⌀		🌀	H1	H2	T	L		C		Weight Lbs.	
		"	mm					"	mm	"	mm		
6C5E-6RFSX45	7235-20425	5/16	7.9	5/8-18	1/2	3/4	.41	10.4	2.33	59.2	1.48	37.6	.19
12C5E-12RFSX45	7235-20465	5/8	15.9	1 1/16-14	7/8	1 1/4	.78	19.8	3.63	92.2	2.49	63.3	.51

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
<b>FIELD ATTACHABLE C5 AND C5E COUPLINGS</b>
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

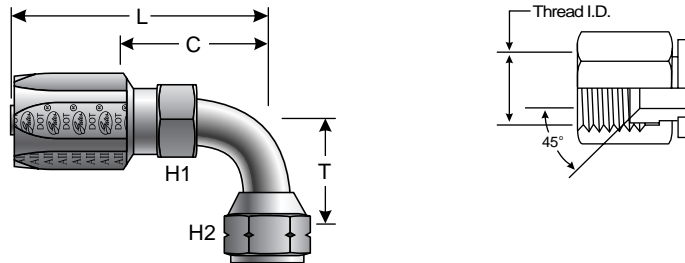




## Field Attachable for C5E Hose

### Female SAE 45° Flare Swivel - 90° Bent Tube - Steel

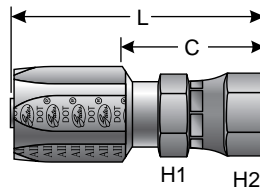
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
6C5E-6RFSX90	7235-00315	5/16	7.9	5/8-18	1/2	3/4	.84	21.3	2.21	56.1	1.36	34.5	.17
12C5E-12RFSX90	7235-00275	5/8	15.9	1 1/16-14	7/8	1 1/4	1.81	46.0	3.58	90.9	2.44	62.0	.53

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Steel

DOT FMVSS Type AI (No mandrel required).



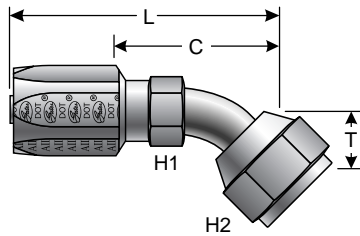
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4C5E-4RFJSX	7238-01005	3/16	4.8	7/16-20	1/2	9/16	1.82	46.2	1.10	27.9	.07
5C5E-5RFJSX	7238-01015	1/4	6.4	1/2-20	1/2	11/16	2.00	50.8	1.21	30.7	.11
8C5E-8RFJSX	7238-01035	13/32	10.3	3/4-16	7/8	7/8	2.45	62.2	1.45	36.8	.25
10C5E-10RFJSX	7238-01045	1/2	12.7	7/8-14	1 1/16	1 1/16	2.72	69.1	1.65	41.9	.33

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Field Attachable for C5E Hose

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube - Steel

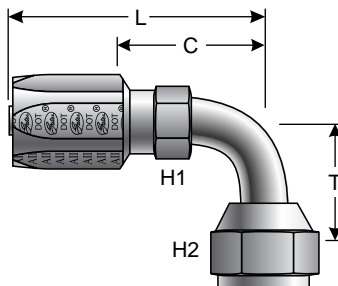
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	"	mm	
4C5E-4RFJSX45	7235-20405	3/16	4.8	7/16-20	1/2	9/16	.34	8.6	1.92	48.8	1.20	30.5	.09
8C5E-8RFJSX45	7235-20435	13/32	10.3	3/4-16	11/16	7/8	.56	14.2	2.73	69.3	1.73	43.9	.25
10C5E-10RFJSX45	7235-20445	1/2	12.7	7/8-14	3/4	1	.63	16.0	3.17	80.5	2.11	53.6	.33

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube - Steel

DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight Lbs.
		"	mm		"	"	"	mm	"	mm	"	mm	
4C5E-4RFJSX90	7235-20305	3/16	4.8	7/16-20	—	9/16	.69	17.5	1.72	43.7	1.00	25.4	.08
8C5E-8RFJSX90	7235-20315	13/32	10.3	3/4-16	11/16	7/8	1.09	27.7	2.54	64.5	1.54	39.1	.25
10C5E-10RFJSX90	7235-20325	1/2	12.7	7/8-14	3/4	1	1.25	31.8	2.97	75.4	1.91	48.5	.33

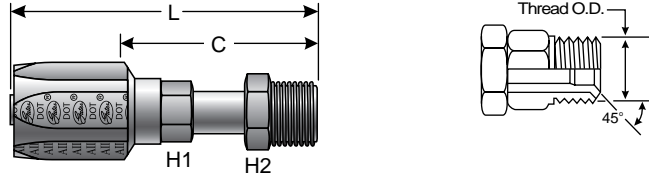
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



## Field Attachable for C5E Hose

### Male SAE 45° Flare Inverted Swivel - Steel

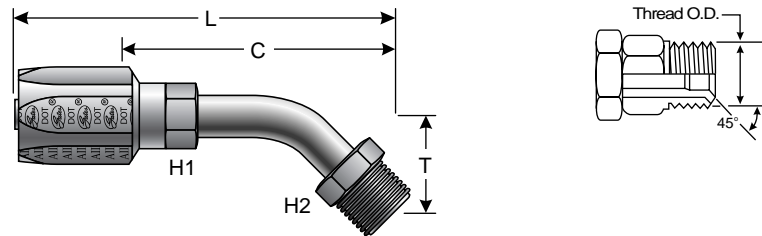
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⌀		Flare	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
4C5E-4RMIX	7235-02855	3/16	4.8	7/16-24	1/2	7/16	2.05	52.1	1.33	33.8	.05
5C5E-5RMIX	7235-02865	1/4	6.4	1/2-20	1/2	1/2	2.26	57.4	1.45	36.8	.09
6C5E-5RMIX	7235-02875	5/16	7.9	1/2-20	1/2	1/2	2.39	60.7	1.54	39.1	.13
6C5E-6RMIX	7235-02885	5/16	7.9	5/8-18	1/2	5/8	2.71	68.8	1.86	47.2	.15
8C5E-8RMIX	7235-02895	13/32	10.3	3/4-18	11/16	3/4	3.24	82.3	2.24	56.9	.24

### Male SAE 45° Flare Inverted Swivel - 45° Bent Tube - Steel

DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⌀		Flare	H1	H2	T	L		C		Weight	
		"	mm		"	"	"	mm	"	mm	"	mm	Lbs.
6C5E-6RMIX45	7235-02795	5/16	7.9	5/8-18	1/2	5/8	.84	21.3	3.79	96.3	2.94	74.7	.16
8C5E-8RMIX45	7235-02905	13/32	10.3	3/4-18	11/16	3/4	1.09	27.7	4.24	107.7	3.24	82.3	.26

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

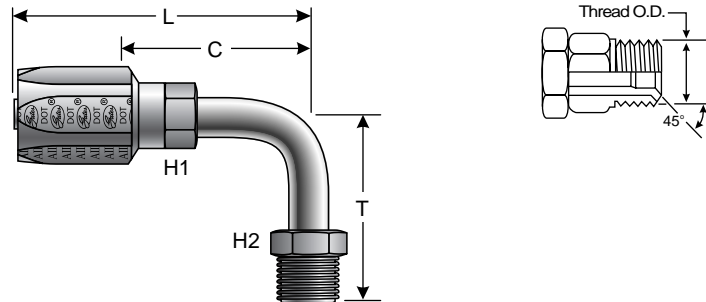
ACCESSORIES

EQUIPMENT AND PARTS

## Field Attachable for C5E Hose

### Male SAE 45° Flare Inverted Swivel - 90° Bent Tube - Steel

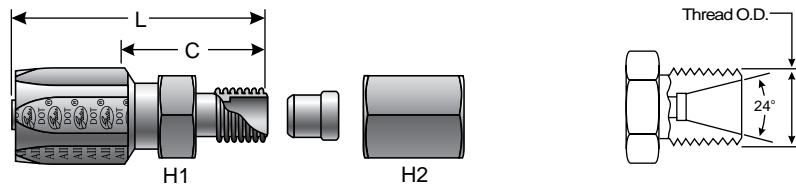
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Weight	
		"	mm					"	mm	"	mm		Lbs.
4C5E-4RMIX90	7235-02805	3/16	4.8	7/16-24	1/2	7/16	1.25	31.8	2.05	52.1	1.33	33.8	.08
5C5E-5RMIX90	7235-02815	1/4	6.4	1/2-20	1/2	1/2	1.50	38.1	2.25	57.2	1.46	37.1	.10
6C5E-5RMIX90	7235-02825	5/16	7.9	1/2-20	1/2	1/2	1.50	38.1	2.39	60.7	1.54	39.1	.14
6C5E-6RMIX90	7235-02835	5/16	7.9	5/8-18	1/2	5/8	1.63	41.4	2.71	68.8	1.86	47.2	.16
8C5E-8RMIX90	7235-02845	13/32	10.3	3/4-18	11/16	3/4	2.00	50.8	3.24	82.3	2.24	56.9	.27

### SAE Male Flareless Assembly - Steel

DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight
		"	mm				"	mm	"	mm	
4C5E-4RMFA	7236-04955	3/16	4.8	7/16-20	1/2	9/16	1.68	42.7	.96	24.4	.33
5C5E-5RMFA	7236-04965	1/4	6.4	1/2-20	9/16	5/8	1.72	43.7	.92	23.4	.35
6C5E-4RMFA	7236-04975	5/16	7.9	7/16-20	9/16	9/16	2.12	53.9	1.01	25.7	.36
6C5E-6RMFA	7236-04985	5/16	7.9	9/16-18	5/8	11/16	1.87	47.5	1.03	26.2	.38
8C5E-8RMFA	7236-04995	13/32	10.3	3/4-16	13/16	7/8	2.15	54.6	1.15	29.2	.52
10C5E-10RMFA	7236-05005	1/2	12.7	7/8-14	15/16	1	2.34	59.4	1.27	32.3	.73

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

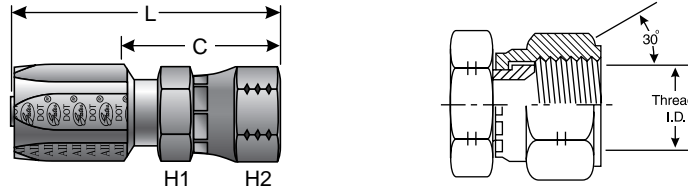


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Field Attachable for C5E Hose

## Parker Triple Thread Female Swivel - Steel

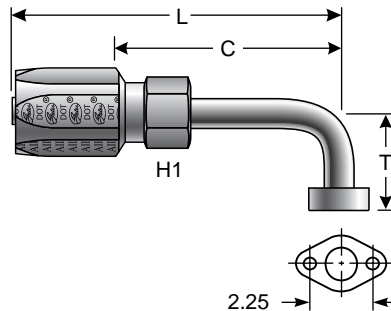
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⌀		Thread	H1	H2	L		C		Weight
		"	mm		"	"	"	mm	"	mm	Lbs.
16C5E-16RFZX	7238-01075	7/8	22.2	1 5/16-14	1 1/2	1 1/2	2.74	69.6	1.68	42.7	.59

## Special Flange - 90° - Engine Oil Connection (Code 61 2 Bolt) - Steel

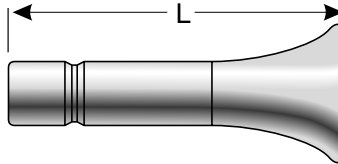
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⌀		H1	H2	T		L		C		Weight
		"	mm	"	"	"	mm	"	mm	"	mm	Lbs.
20C5E-20RFL90S	7235-20355	1 1/8	28.6	1 9/16	—	2.50	63.5	4.95	125.7	3.82	97.0	1.81

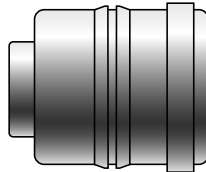
# SureLok™ Air Brake

## Air Brake Plugs



Descr.	Prod. No.	∅	L		Weight
		"	"	mm	Lbs.
2.5AB-PLUG	7250-14535	5/32	1.04	26.4	.01
4AB-PLUG	7250-14505	1/4	1.12	28.5	.01
6AB-PLUG	7250-14515	3/8	1.34	34.0	.01
8AB-PLUG	7250-14525	1/2	1.48	37.6	.01

## Air Brake Cartridge



Descr.	Prod. No.	∅ A1	Weight
		"	Lbs.
3CARTRIDGE-AB	7250-00705	3/16	.10
4CARTRIDGE-AB	7250-00715	1/4	.02
6CARTRIDGE-AB	7250-00725	3/8	.04
8CARTRIDGE-AB	7250-00735	1/2	.06
10CARTRIDGE-AB	7250-00745	5/8	.08
12CARTRIDGE-AB	7250-00755	3/4	.12
25CARTRIDGE-AB	7250-00765	5/32	.02

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

**SURELOK AIR BRAKE COUPLINGS**

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

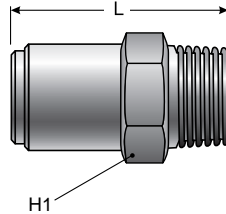
[gates.com/hydraulics](http://gates.com/hydraulics)

Q1



# SureLok™ Air Brake

## Air Brake to Male Pipe



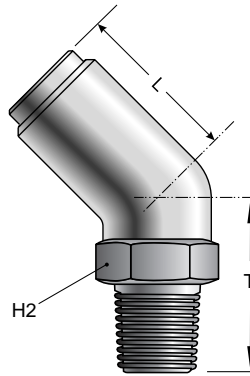
Descr.	Prod. No.			H1	H2	L		Weight
		"		"	"	"	mm	Lbs.
2.5AB-1MP	7250-00915	5/32	1/16-32	11/32	—	.43	10.9	.04
2.5AB-2MP	7250-00925	5/32	1/8-27	7/16	—	.89	22.6	.10
2AB-2MP	7250-14545	1/8	1/8-27	7/16	—	.67	17.0	.01
3AB-2MP	7250-00775	3/16	1/8-27	1/2	—	1.02	25.9	.04
4AB-1MP	7250-14555	1/4	1/8-27	7/16	—	.94	23.9	.35
4AB-2MP	7250-00785	1/4	1/8-27	1/2	—	1.04	26.4	.15
4AB-4MP	7250-00795	1/4	1/4-18	9/16	—	1.17	29.7	.15
4AB-6MP	7250-00805	1/4	3/8-18	11/16	—	1.20	30.5	.15
6AB-2MP	7250-00815	3/8	1/8-27	11/16	—	1.32	33.5	.08
6AB-4MP	7250-00825	3/8	1/4-18	11/16	—	1.48	37.6	.20
6AB-6MP	7250-00835	3/8	3/8-18	11/16	—	1.42	36.1	.20
6AB-8MP	7250-00845	3/8	1/2-14	7/8	—	1.46	37.1	.16
8AB-4MP	7250-00855	1/2	1/4-18	7/8	—	1.68	42.7	.14
8AB-6MP	7250-00865	1/2	3/8-18	7/8	—	1.64	41.7	.14
8AB-8MP	7250-00875	1/2	1/2-14	7/8	—	1.72	43.7	.25
10AB-6MP	7250-00885	5/8	3/8-18	11/16	—	1.87	47.5	.30
10AB-8MP	7250-00895	5/8	1/2-14	11/16	—	2.12	53.9	.28
12AB-8MP	7250-14565	3/4	1/2-14	13/16	—	2.11	53.6	.32
12AB-12MP	7250-00905	3/4	3/4-14	1 1/16	—	2.21	56.1	.36



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



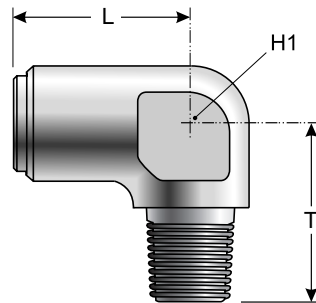
# SureLok™ Air Brake



## Air Brake to Male Pipe - 45° Bent Tube



Descr.	Prod. No.			H1	H2	T		L		Weight
		"		"	"	mm	"	mm	Lbs.	
4AB-2MP45	7250-00935	1/4	1/8-27	—	14.30	.81	20.6	1.68	42.7	.15
4AB-4MP45	7250-00945	1/4	1/4-18	—	14.30	.98	24.9	1.87	47.5	.08
6AB-2MP45	7250-00955	3/8	1/8-27	—	19.00	.93	23.6	1.95	49.5	.10
6AB-4MP45	7250-00965	3/8	1/4-18	—	19.00	1.10	27.9	2.16	54.9	.12
6AB-6MP45	7250-00975	3/8	3/8-18	—	19.00	1.12	28.5	2.22	56.4	.12
6AB-8MP45	7250-00985	3/8	1/2-14	—	22.00	1.30	33.0	2.44	62.0	.20
8AB-4MP45	7250-00995	1/2	1/2-18	—	22.00	1.10	27.9	2.32	58.9	.16
8AB-6MP45	7250-01005	1/2	3/8-18	—	22.00	1.12	28.5	2.38	60.5	.16
8AB-8MP45	7250-01015	1/2	1/2-14	—	22.00	1.30	33.0	2.60	66.0	.18
10AB-6MP45	7250-01025	5/8	3/8-18	—	27.00	1.02	25.9	2.48	63.0	.30
10AB-8MP45	7250-01035	5/8	1/2-14	—	27.00	1.22	31.0	2.68	68.1	.30
12AB-8MP45	7250-14575	3/4	1/2-14	—	25.40	1.30	33.0	2.82	71.6	.36
12AB-12MP45	7250-01045	3/4	3/4-14	—	27.00	1.91	48.5	3.92	99.6	.42

## Air Brake to Male Pipe - 90° Bent Tube



Descr.	Prod. No.			H1	H2	T		L		Weight
		mm		mm	"	mm	"	mm	Lbs.	
2.5AB-2MP90	7250-01195	5/32	1/8-27	7.0	—	1.00	25.4	.87	22.1	.04
2AB-2MP90	7250-14585	1/8	1/8-27	7.0	—	.66	16.8	.67	17.0	.04
3AB-2MP90	7250-01055	3/16	1/8-27	12.0	—	.75	19.1	.81	20.6	.06

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
<b>SURELOK AIR BRAKE COUPLINGS</b>
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





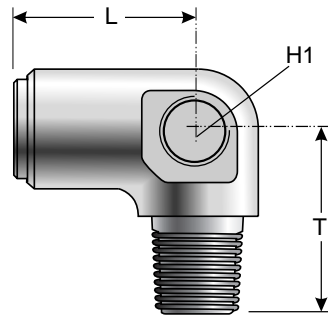


# SureLok™ Air Brake

## Air Brake to Male Pipe - 90° Bent Tube - Cont'd

Descr.	Prod. No.			H1	H2	T		L		Weight
		"		mm	mm	"	mm	"	mm	Lbs.
4AB-2MP90	7250-01065	1/4	1/8-27	14.0	—	.79	20.1	.81	20.6	.15
4AB-4MP90	7250-01075	1/4	1/4-18	18.0	—	1.02	25.9	.87	22.1	.10
4AB-6MP90	7250-01085	1/4	3/8-18	22.0	—	1.10	27.9	.94	23.9	.15
4AB-8MP90	7250-14595	1/4	1/2-14	24.0	—	1.38	35.1	.96	24.4	.18
6AB-2MP90	7250-01095	3/8	1/8-27	18.0	—	.87	22.1	1.08	27.4	.10
6AB-4MP90	7250-01105	3/8	1/4-18	18.0	—	1.02	25.9	1.06	26.9	.20
6AB-6MP90	7250-01115	3/8	3/8-18	22.0	—	1.10	27.9	1.14	29.0	.20
6AB-8MP90	7250-01125	3/8	1/2-14	24.0	—	1.38	35.1	1.14	29.0	.20
8AB-4MP90	7250-01135	1/2	1/4-18	22.0	—	1.14	29.0	1.22	31.0	.16
8AB-6MP90	7250-01145	1/2	3/8-18	22.0	—	1.14	29.0	1.26	32.0	.16
8AB-8MP90	7250-01155	1/2	1/2-14	24.0	—	1.38	35.1	1.28	32.5	.20
10AB-6MP90	7250-01165	5/8	3/8-18	22.0	—	1.22	31.0	1.44	36.9	.30
10AB-8MP90	7250-01175	5/8	1/2-14	30.0	—	1.42	36.1	1.54	39.1	.30
12AB-8MP90	7250-14605	3/4	1/2-14	24.0	—	1.48	37.6	1.52	38.6	.32
12AB-12MP90	7250-14615	3/4	3/4-14	27.0	—	2.00	50.8	2.15	54.6	.54
25AB-1MP90	7250-01185	5/32	1/16-32	7.0	—	1.00	25.4	1.00	25.4	.04

## Air Brake to Male Pipe - 90° Bent Tube with Port



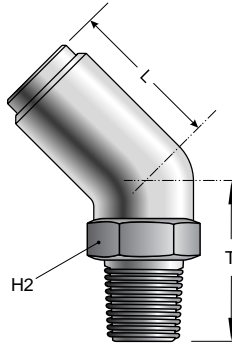
Descr.	Prod. No.			H1	H2	T		L		Weight
		"		mm	mm	"	mm	"	mm	Lbs.
6AB-4MP-2PT90	7250-14625	3/8	1/4-18	22.0	—	1.10	27.9	1.20	30.5	.24
6AB-6MP-2PT90	7250-14635	3/8	3/8-18	22.0	—	1.10	27.9	1.12	28.5	.24
8AB-6MP-2PT90	7250-14645	1/2	3/8-18	22.0	—	1.14	29.0	1.26	32.0	.22
8AB-8MP-4PORT90	7250-14655	1/2	1/2-14	24.0	—	1.38	35.1	1.28	32.5	.34
12AB-12MP-4PORT90	7250-14665	3/4	3/4-14	24.0	—	1.48	37.6	1.52	38.6	.40

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



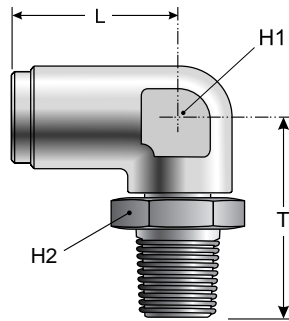
# SureLok™ Air Brake

## Air Brake to Male Pipe Swivel - 45° Bent Tube



Descr.	Prod. No.			H1	H2	T		L		Weight
		"		"	"	mm	"	mm	Lbs.	
4AB-2MPX45	7250-01205	1/4	1/8-27	—	7/16	1.06	26.9	.74	18.8	.08
4AB-4MPX45	7250-01215	1/4	1/4-18	—	9/16	1.11	28.2	.77	19.6	.08
6AB-4MPX45	7250-01225	3/8	1/4-18	—	11/16	1.26	32.0	1.05	26.7	.16
8AB-8MPX45	7250-01255	1/2	1/2-14	—	7/8	1.62	41.2	1.25	31.8	.36
10AB-8MPX45	7250-14695	5/8	1/2-14	—	7/8	1.42	36.1	1.51	38.4	.45

## Air Brake to Male Pipe Swivel - 90° Bent Tube



Descr.	Prod. No.			H1	H2	T		L		Weight
		"		mm	mm	"	mm	"	mm	Lbs.
2.5AB-2MPX90	7250-14725	5/32	1/8-27	7.0	11.0	.91	23.1	.83	21.1	.04
4AB-2MPX90	7250-01265	1/4	1/8-27	14.0	11.0	.91	23.1	.83	21.1	.06
4AB-4MPX90	7250-01275	1/4	1/4-18	18.0	14.0	1.12	28.5	.83	21.1	.08
4AB-6MPX90	7250-01285	1/4	3/8-18	22.0	19.0	1.25	31.8	.85	21.6	.15
6AB-2MPX90	7250-01295	3/8	1/8-27	18.0	14.0	1.05	26.7	1.07	27.2	.14
6AB-4MPX90	7250-01305	3/8	1/4-18	18.0	19.0	1.29	32.8	1.07	27.2	.20
6AB-6MPX90	7250-01315	3/8	3/8-18	22.0	19.0	1.24	31.5	1.07	27.2	.06
6AB-8MPX90	7250-01325	3/8	1/2-14	24.0	22.0	1.44	36.6	1.07	27.2	.22
8AB-4MPX90	7250-01335	1/2	1/4-18	22.0	22.0	1.27	32.3	1.27	32.3	.25
8AB-6MPX90	7250-01345	1/2	3/8-18	22.0	22.0	1.42	36.1	1.27	32.3	.25
8AB-8MPX90	7250-01355	1/2	1/2-14	24.0	22.0	1.62	41.2	1.27	32.3	.30

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
<b>SURELOK AIR BRAKE COUPLINGS</b>
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



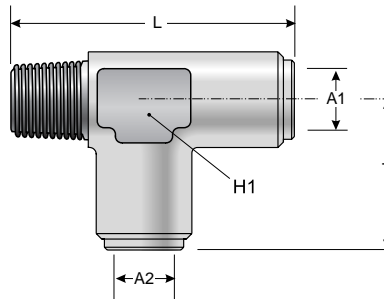


# SureLok™ Air Brake

## Air Brake to Male Pipe Swivel - 90° Bent Tube - Cont'd

Descr.	Prod. No.			H1	H2	T		L		Weight
		"		mm	mm	"	mm	"	mm	Lbs.
10AB-6MPX90	7250-01365	5/8	3/8-18	30.0	22.0	1.48	37.6	1.54	39.1	.26
10AB-8MPX90	7250-01375	5/8	1/2-14	30.0	22.0	1.48	37.6	1.54	39.1	.48
12AB-8MPX90	7250-14705	3/4	1/2-14	24.0	22.0	1.53	38.9	1.55	39.4	.58

## Male Pipe to Air Brake Tee



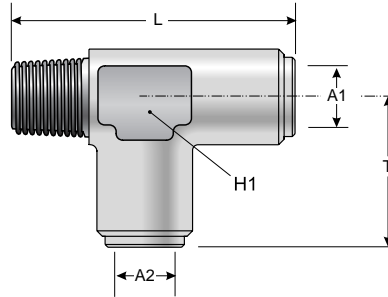
Descr.	Prod. No.				H1	H2	T		L		Weight
		A1	A2		mm	mm	"	mm	"	mm	Lbs.
2MP-4AB-4AB	7250-01385	1/4	1/4	1/8-18	14.0	—	.89	22.6	1.67	42.4	.12
4MP-4AB-4AB	7250-01395	1/4	1/4	1/4-18	18.0	—	.89	22.6	1.85	47.0	.18
4MP-4AB-6AB	7250-14775	1/4	3/8	1/4-18	18.0	—	1.08	27.4	1.85	47.0	.20
4MP-6AB-6AB	7250-14745	1/4	3/8	1/4-18	18.0	—	1.08	27.4	2.05	52.1	.20
6MP-4AB-4AB	7250-01405	1/4	1/4	3/8-18	22.0	—	.93	23.6	2.03	51.6	.30
6MP-4AB-6AB	7250-14785	1/4	3/8	3/8-18	22.0	—	1.14	29.0	2.03	51.6	.32
6MP-6AB-6AB	7250-01415	3/8	3/8	3/8-18	22.0	—	1.14	29.0	2.24	56.9	.32
6MP-6AB-8AB	7250-14795	3/8	1/2	3/8-18	22.0	—	1.30	33.0	2.36	59.9	.38
6MP-8AB-8AB	7250-01425	1/2	1/2	3/8-18	22.0	—	1.30	33.0	2.44	62.0	.36
8MP-6AB-6AB	7250-14755	3/8	3/8	1/2-14	24.0	—	1.22	31.0	2.64	67.1	.46

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



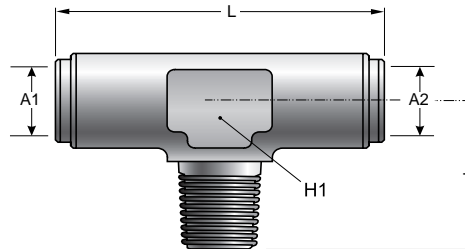
# SureLok™ Air Brake

## Male Pipe to Air Brake Tee - Jump Down



Descr.	Prod. No.	Ø		W	H1	H2	T		L		Weight Lbs.
		A1	A2				"	mm	"	mm	
4MP-6AB-4AB	7250-14805	3/8	1/4	1/4-18	18.0	—	.93	23.6	2.05	52.1	.20
6MP-6AB-4AB	7250-14815	3/8	1/4	3/8-18	22.0	—	.93	23.6	2.24	56.9	.30
6MP-8AB-6AB	7250-14825	1/2	3/8	3/8-18	22.0	—	1.22	31.0	2.44	62.0	.38

## Air Brake to Male Pipe Tee



Descr.	Prod. No.	Ø		W	H1	H2	T		L		Weight Lbs.
		A1	A2				"	mm	"	mm	
3AB-3AB-2MP	7250-01435	3/16	3/16	1/8-27	14.0	—	.79	20.1	1.69	42.9	.06
4AB-4AB-2MP	7250-01445	1/4	1/4	1/8-27	14.0	—	.79	20.1	1.69	42.9	.12
4AB-4AB-4MP	7250-01455	1/4	1/4	1/4-18	18.0	—	.96	24.4	1.77	45.0	.18
4AB-4AB-6MP	7250-14835	1/4	1/4	3/8-18	22.0	—	1.10	27.9	1.93	49.0	.30
6AB-4AB-4MP	7250-14845	3/8	3/8	1/4-18	18.0	—	.96	24.4	1.97	50.0	.20
6AB-6AB-4MP	7250-01465	3/8	3/8	1/4-18	18.0	—	.96	24.4	2.17	55.1	.18
6AB-6AB-6MP	7250-01475	3/8	3/8	3/8-18	22.0	—	1.10	27.9	2.28	57.9	.32
8AB-6AB-8MP	7250-14865	1/2	3/8	1/2-14	22.0	—	1.22	31.0	2.48	63.0	.46
8AB-8AB-4MP	7250-01485	1/2	1/2	1/4-18	22.0	—	1.14	29.0	2.44	62.0	.32
8AB-8AB-6MP	7250-01495	1/2	1/2	3/8-18	22.0	—	1.14	29.0	2.60	66.0	.36
8AB-8AB-8MP	7250-01505	1/2	1/2	1/2-14	24.0	—	1.42	36.1	2.68	68.1	.46

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

**SURELOK AIR  
BRAKE  
COUPLINGS**

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.

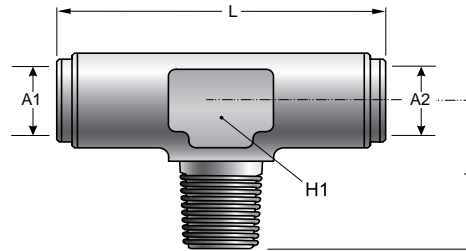
gates.com/hydraulics

Q7



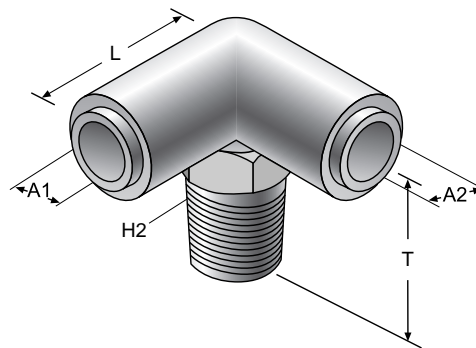
# SureLok™ Air Brake

## Air Brake to Male Pipe Tee - Jump Down



Descr.	Prod. No.	Ø		W	H1	H2	T		L		Weight
		A1	A2		mm	mm	"	mm	"	mm	Lbs.
10AB-8AB-8MP	7250-14885	5/8	1/2	1/2-14	30.0	—	1.46	37.1	2.78	70.6	.08

## Air Brake to Male Pipe Tee - 90° Bent Tube



Descr.	Prod. No.	Ø		W	H1	H2	T		L		Weight
		A1	A2		mm	mm	"	mm	"	mm	Lbs.
6AB-6AB-6MP90	7250-14895	3/8	3/8	3/8-18	—	22.0	1.34	34.0	1.18	30.0	.38
8AB-8AB-6MP90	7250-14905	1/2	1/2	3/8-18	—	20.0	1.34	34.0	1.30	33.0	.36

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

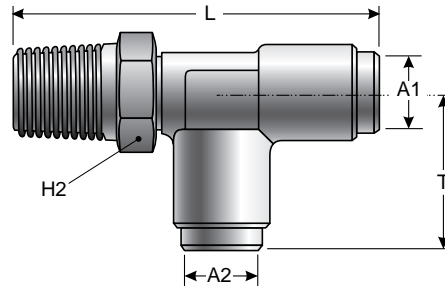
ACCESSORIES

EQUIPMENT AND PARTS



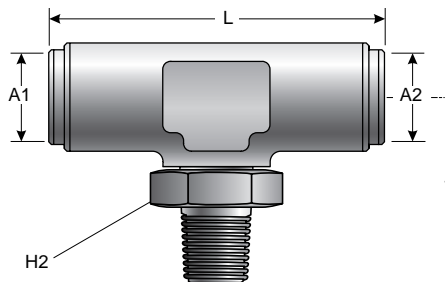
# SureLok™ Air Brake

## Male Pipe Swivel to Air Brake Tee



Descr.	Prod. No.	Ø		Thread	H1	H2	T		L		Weight Lbs.
		A1	A2		mm	mm	"	mm	"	mm	
2MPX-4AB-4AB	7250-01515	1/4	1/4	1/8-27	—	11.0	.83	21.1	1.75	44.5	.08
4MPX-4AB-4AB	7250-01525	1/4	1/4	1/4-18	—	14.0	.83	21.1	1.95	49.5	.12
4MPX-6AB-6AB	7250-14925	3/8	3/8	1/4-18	—	19.0	1.07	27.2	2.36	59.9	.20
6MPX-6AB-6AB	7250-01545	3/8	3/8	3/8-18	—	19.0	1.07	27.2	2.32	58.9	.20
6MPX-8AB-8AB	7250-01555	1/2	1/2	3/8-18	—	22.0	1.27	32.3	2.69	68.3	.32
8MPX-8AB-8AB	7250-01565	1/2	1/2	1/2-14	—	22.0	1.27	32.3	2.89	73.4	.36

## Air Brake to Male Pipe Swivel Tee



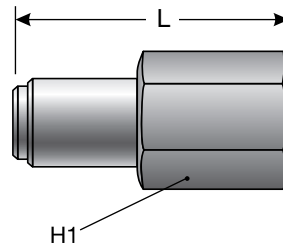
Descr.	Prod. No.	Ø		Thread	H1	H2	T		L		Weight Lbs.
		A1	A2		mm	mm	"	mm	"	mm	
3AB-3AB-2MPX	7250-14935	3/16	3/16	1/8-27	—	11.0	.89	22.6	1.57	39.9	.08
4AB-4AB-2MPX	7250-01575	1/4	1/4	1/8-27	—	11.0	.91	23.1	1.67	42.4	.08
4AB-4AB-4MPX	7250-01585	1/4	1/4	1/4-18	—	14.0	1.12	28.5	1.67	42.4	.15
6AB-6AB-2MPX	7250-14945	3/8	3/8	1/8-27	—	14.0	1.09	27.7	1.92	48.8	.18
6AB-6AB-4MPX	7250-01595	3/8	3/8	1/4-18	—	19.0	1.29	32.8	2.17	55.1	.22
6AB-6AB-6MPX	7250-14955	3/8	3/8	3/8-18	—	19.0	1.24	31.5	2.17	55.1	.20
8AB-8AB-4MPX	7250-01605	1/2	1/2	1/4-18	—	22.0	1.39	35.3	2.56	65.0	.32
8AB-8AB-6MPX	7250-01615	1/2	1/2	3/8-18	—	22.0	1.42	36.1	2.56	65.0	.32
8AB-8AB-8MPX	7250-14965	1/2	1/2	1/2-14	—	22.0	1.62	41.2	2.56	65.0	.36

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
<b>SURELOK AIR BRAKE COUPLINGS</b>
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



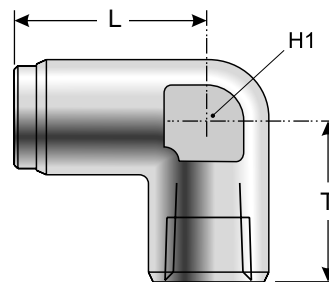
# SureLok™ Air Brake

## Air Brake to Female Pipe



Descr.	Prod. No.			H1	H2	L		Weight
		"		"	"	"	mm	Lbs.
2.5AB-2FP	7250-14975	5/32	1/8-27	9/16	—	1.18	30.0	.04
4AB-2FP	7250-01625	1/4	1/8-27	9/16	—	1.31	33.3	.06
4AB-4FP	7250-01635	1/4	1/4-18	11/16	—	1.59	40.4	.10
6AB-2FP	7250-01645	3/8	1/8-27	9/16	—	1.74	44.2	.10
6AB-4FP	7250-01655	3/8	1/4-18	11/16	—	1.74	44.2	.12
6AB-6FP	7250-01665	3/8	3/8-18	7/8	—	1.78	45.2	.16
8AB-4FP	7250-01675	1/2	1/4-18	11/16	—	2.00	50.8	.14
8AB-8FP	7250-01695	1/2	1/2-14	11/16	—	2.11	53.6	.32

## Air Brake to Female Pipe - 90° Bent Tube

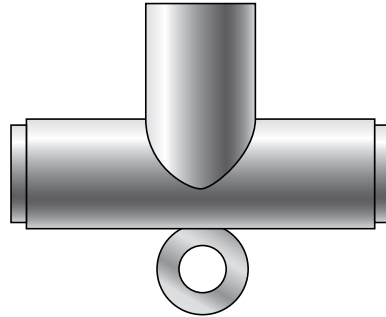


Descr.	Prod. No.			H1	H2	T		L		Weight
		"		mm	mm	"	mm	"	mm	Lbs.
3AB-2FP90	7250-14985	3/16	1/8-27	14.0	—	.71	18.0	.87	22.1	.08
4AB-2FP90	7250-01705	1/4	1/8-27	14.0	—	.71	18.0	.94	23.9	.08
4AB-4FP90	7250-01715	1/4	1/4-18	18.0	—	.79	20.1	1.08	27.4	.14
4AB-6FP90	7250-14995	1/4	3/8-18	18.0	—	.79	20.1	1.08	27.4	.22
6AB-2FP90	7250-01725	3/8	1/8-27	13.0	—	.79	20.1	1.31	33.3	.20
6AB-4FP90	7250-01735	3/8	1/4-18	18.0	—	.79	20.1	1.31	33.3	.14
6AB-6FP90	7250-01745	3/8	3/8-18	22.0	—	.79	20.1	1.31	33.3	.22
8AB-4FP90	7250-01755	1/2	1/4-18	18.0	—	.94	23.9	1.16	29.5	.22
8AB-6FP90	7250-01765	1/2	3/8-18	22.0	—	.94	23.9	1.16	29.5	.22
8AB-8FP90	7250-01775	1/2	1/2-14	16.0	—	.94	23.9	1.16	29.5	.56

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

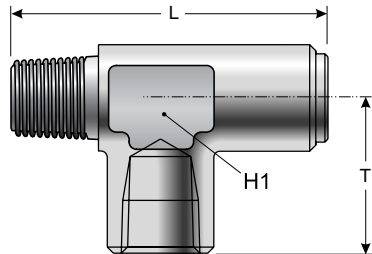
# SureLok™ Air Brake

## Air Brake on Run to Female Pipe - Tee



Descr.	Prod. No.	Ø		Thread	T		L		Weight Lbs.
		A1	A2		"	mm	"	mm	
6AB-6AB-4FP	7250-01785	3/8	3/8	3/8-18	1.06	26.9	2.34	59.4	.24

## Male Pipe to Air Brake to Female Pipe Tee



Descr.	Prod. No.	Ø	Thread	H1	T		L		Weight Lbs.	
		"			"	"	mm	"		mm
4MP-6AB-4FP	7250-15015	1/4	1/4-18	1/4-18	18	.96	24.4	2.05	52.1	.18
8MP-8AB-2FP	7250-15045	1/2	1/2-14	1/8-27	24	.96	24.4	2.40	61.0	.32

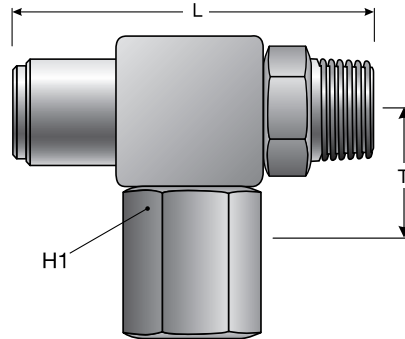
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
<b>SURELOK AIR BRAKE COUPLINGS</b>
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





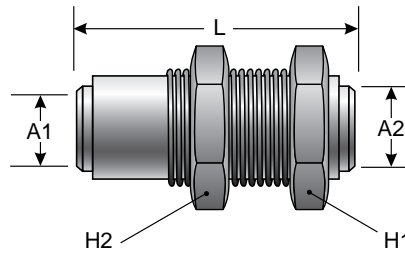
# SureLok™ Air Brake

## Air Brake to Male Pipe to Female Pipe



Descr.	Prod. No.	Ø		Thread		H1	T		L		Weight Lbs.
		"	"	"	"		mm	"	mm	"	
6AB-6MP-4FP	7250-01795	1/2	3/8-18	1/4-18	22.0	1.14	29.0	2.05	52.1	.22	

## Air Brake Bulkhead

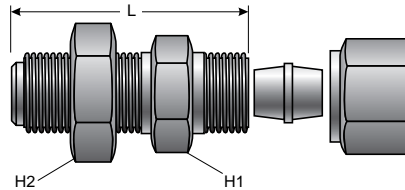




Descr.	Prod. No.	Ø		Thread	H1	H2	L		Weight Lbs.
		A1	A2				"	mm	
4AB-4AB-BKHD	7250-01805	1/4	1/4	1/4-18	15/16	15/16	1.41	35.8	.14
6AB-6AB-BKHD	7250-01815	3/8	3/8	3/8-18	1 1/8	1 1/8	1.75	44.5	.24
8AB-6AB-BKHD	7250-15055	1/2	3/8	3/8-18	1 1/8	1 1/8	1.89	48.0	.34
8AB-8AB-BKHD	7250-01825	1/2	1/2	1/2-14	1 5/16	1 5/16	2.02	51.3	.34
10AB-10AB-BKHD	7250-01835	5/8	5/8	1/2-14	1 1/2	1 1/2	2.34	59.4	.70

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS**
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

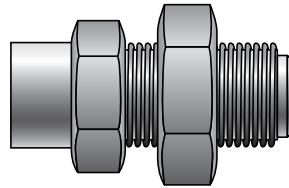
# SureLok™ Air Brake



## Air Brake to Male Flareless Assembly Bulkhead



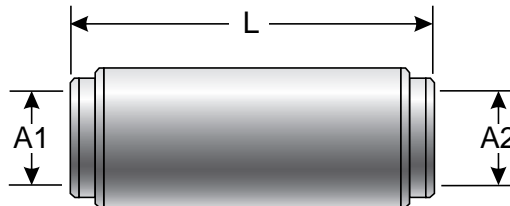
Descr.	Prod. No.			H1	H2	L		Weight
		"	"	"	"	"	mm	Lbs.
4AB-4MFA-BKHD	7250-15065	1/4	1/4	11/16	15/16	.50	12.7	.28
6AB-6MFA-BKHD	7250-15075	3/8	3/8	7/8	7/8	.68	17.3	.42


## Air Brake to Female Pipe Bulkhead



Descr.	Prod. No.			H1	H2	L		Weight
		"	"	mm	"	"	mm	Lbs.
4AB-2FP-BKHD	7250-15085	1/4	1/8-27	22.0	15/16	1.32	33.5	.24
4AB-4FP-BKHD	7250-01845	1/4	1/4-18	22.0	15/16	1.59	40.4	.20
6AB-4FP-BKHD	7250-15095	3/8	1/4-18	24.0	1 1/8	2.20	55.9	.30
6AB-6FP-BKHD	7250-01855	3/8	3/8-18	27.0	1 1/8	2.20	55.9	.30
6AB-8FP-BKHD	7250-15105	3/8	1/2-14	27.0	1 1/8	2.20	55.9	.38
8AB-6FP-BKHD	7250-15115	1/2	3/8-18	27.0	1 5/16	1.89	48.0	.32
8AB-8FP-BKHD	7250-01865	1/2	1/2-14	27.0	1 5/16	2.64	67.1	.48

## Air Brake Union



Descr.	Prod. No.			L		Weight
		A1	A2	"	mm	Lbs.
2.5AB-2.5AB	7250-01915	5/32	5/32	1.18	30.0	.10
2AB-2AB	7250-15135	1/8	1/8	1.15	27.2	.08

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
<b>SURELOK AIR BRAKE COUPLINGS</b>
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



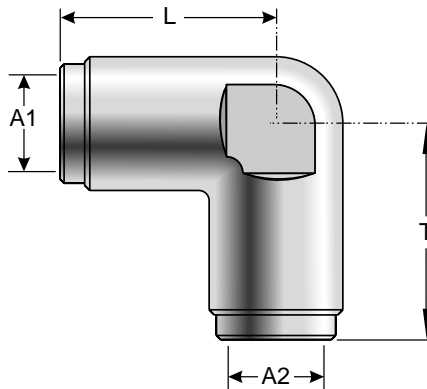


# SureLok™ Air Brake

## Air Brake Union - Cont'd

Descr.	Prod. No.	Ø		L		Weight
		A1	A2	"	mm	Lbs.
3AB-3AB	7250-15145	3/16	3/16	1.36	24.5	.25
4AB-4AB	7250-01875	1/4	1/4	1.40	35.6	.06
6AB-4AB	7250-15155	3/8	1/4	1.71	43.4	.12
6AB-6AB	7250-01885	3/8	3/8	1.74	44.2	.20
8AB-6AB	7250-15165	1/2	3/8	1.91	48.5	.18
8AB-8AB	7250-01895	1/2	1/2	2.01	51.1	.25
10AB-10AB	7250-01905	5/8	5/8	2.42	61.5	.32
12AB-12AB	7250-15175	3/4	3/4	2.48	63.0	.44

## Air Brake Union - 90° Bent Tube



Descr.	Prod. No.	Ø		T		L		Weight
		A1	A2	"	mm	"	mm	Lbs.
4AB-4AB90	7250-01925	1/4	1/4	.83	21.1	.83	21.1	.08
6AB-6AB90	7250-01935	3/8	3/8	1.07	27.2	1.07	27.2	.14
8AB-8AB90	7250-01945	1/2	1/2	1.26	32.0	1.26	32.0	.20
10AB-10AB90	7250-15185	5/8	5/8	1.48	37.6	1.61	40.9	.50

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

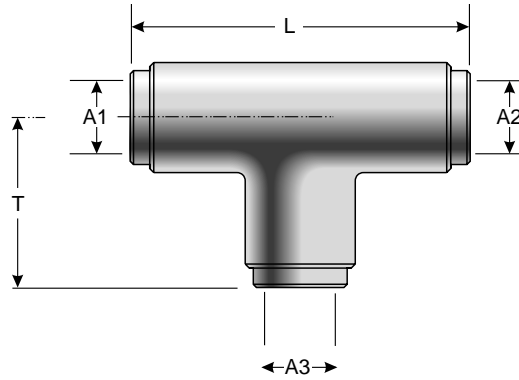
ACCESSORIES

EQUIPMENT AND PARTS



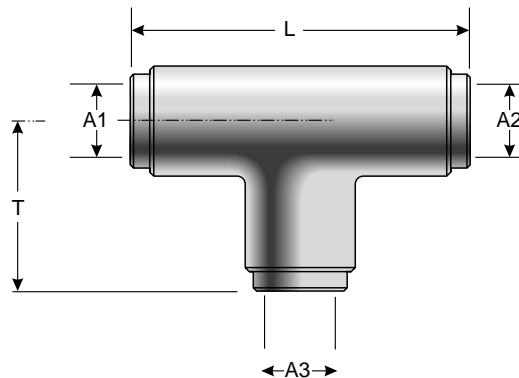
# SureLok™ Air Brake

## Air Brake Union Tee



Descr.	Prod. No.	Ø			T		L		Weight
		A1	A2	A3	"	mm	"	mm	Lbs.
2AB-2AB-2AB	7250-15195	1/8	1/8	1/8	.63	16.0	1.26	32.0	.02
3AB-3AB-3AB	7250-15205	3/16	3/16	3/16	.72	18.3	1.44	36.9	.06
4AB-4AB-4AB	7250-01955	1/4	1/4	1/4	.93	23.6	1.65	41.9	.08
6AB-6AB-4AB	7250-15245	3/8	3/8	1/4	.93	23.6	2.17	55.1	.18
6AB-6AB-6AB	7250-01965	3/8	3/8	3/8	1.07	27.2	2.13	54.1	.18
6AB-6AB-8AB	7250-15255	3/8	3/8	1/2	1.28	32.5	2.36	59.9	.30
8AB-8AB-4AB	7250-15265	1/2	1/2	1/4	.98	24.9	2.52	64.0	.28
8AB-8AB-6AB	7250-15275	1/2	1/2	3/8	1.22	31.0	2.44	62.0	.30
8AB-8AB-8AB	7250-01975	1/2	1/2	1/2	1.26	32.0	2.53	64.3	.28
10AB-8AB-10AB	7250-15285	5/8	1/2	5/8	1.56	39.6	3.01	76.5	.68
10AB-10AB-10AB	7250-15215	5/8	5/8	5/8	1.54	39.1	3.07	78.0	.66
12AB-12AB-12AB	7250-15225	3/4	3/4	3/4	1.56	39.6	3.12	79.3	.78

## Air Brake Union Tee - Jump Up



Descr.	Prod. No.	Ø			T		L		Weight
		A1	A2	A3	"	mm	"	mm	Lbs.
6AB-4AB-4AB	7250-15295	3/8	1/4	1/4	.93	23.6	2.01	51.1	.85

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

**SURELOK AIR BRAKE COUPLINGS**

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

gates.com/hydraulics

Q15

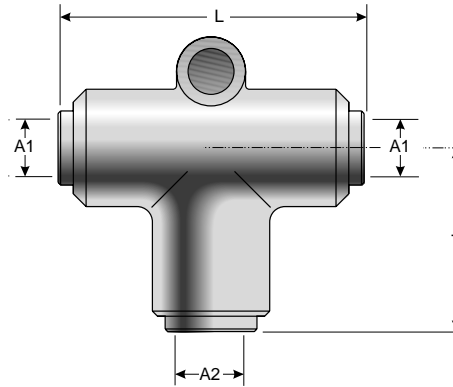


# SureLok™ Air Brake

## Air Brake Union Tee - Jump Up - Cont'd

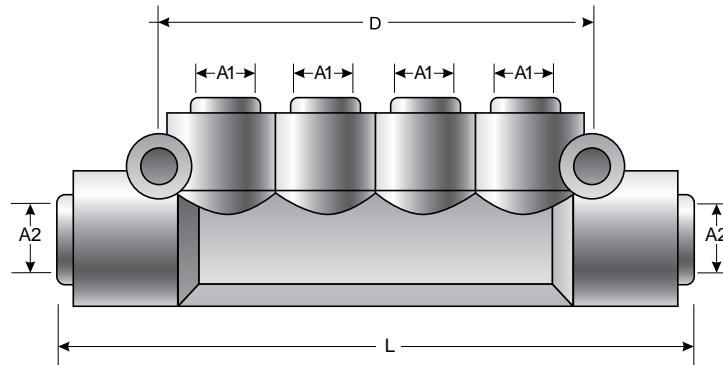
Descr.	Prod. No.	Ø			T		L		Weight
		A1	A2	A3	"	mm	"	mm	Lbs.
8AB-6AB-6AB	7250-15305	1/2	3/8	3/8	1.18	30.0	2.46	62.5	.32

## Air Brake Union - Tee with Mounting Hole



Descr.	Prod. No.	Ø			T		L		Weight
		A1	A2	"	mm	"	mm	Lbs.	
6AB-6AB-8ABMH	7250-15315	3/8	1/2	1.42	36.1	2.36	59.9	.48	

## 6-Port Manifold



Descr.	Prod. No.	Ø		D		L		Weight
		A1	A2	"	mm	"	mm	Lbs.
6AB-4MANIFOLD	7250-15325	1/4	3/8	2.76	70.1	4.10	104.1	.20

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# SureLok™ Air Brake

## Coiled Nylon Air Brake Assemblies



Descr.	Prod. No.	⊖	⊕	Weight
		"		Lbs.
8CABHX12	7250-18655	1/2	150	2.95
8CABHX15	7250-18665	1/2	150	.30

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
<b>SURELOK AIR BRAKE COUPLINGS</b>
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





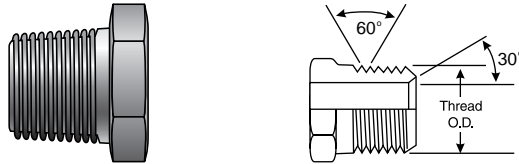
## Notes




# SAE to SAE

## Male Pipe NPTF Plug

For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight
2MP-PLUG	7259-22815	1/8-27	.04
4MP-PLUG	7259-22825	1/4-18	.04
6MP-PLUG	7259-22835	3/8-18	.10
8MP-PLUG	7259-22845	1/2-14	.18
12MP-PLUG	7259-22855	3/4-14	.33
16MP-PLUG	7259-22865	1-11 1/2	.55
20MP-PLUG	7259-22875	1 1/4-11 1/2	.92
24MP-PLUG	7259-24395	1 1/2-11 1/2	1.59
32MP-PLUG	7259-32765	2-11 1/2	2.83

## Male Pipe NPTF to Male Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	
2MP-2MP	7259-23695	1/8-27	1/8-27	.02
4MP-2MP	7259-23705	1/4-18	1/8-27	.05
4MP-4MP	7259-23715	1/4-18	1/4-18	.10
6MP-4MP	7259-23725	3/8-18	1/4-18	.10
6MP-6MP	7259-23735	3/8-18	3/8-18	.09
8MP-4MP	7259-23745	1/2-14	1/4-18	.14
8MP-6MP	7259-23755	1/2-14	3/8-18	.13
8MP-8MP	7259-23765	1/2-14	1/2-14	.15
12MP-4MP	7259-07405	3/4-14	1/4-18	.22
12MP-6MP	7259-06395	3/4-14	3/8-18	.22
12MP-8MP	7259-23775	3/4-14	1/2-14	.28
12MP-12MP	7259-23785	3/4-14	3/4-14	.28
16MP-6MP	7259-07325	1-11 1/2	3/8-18	.28
16MP-8MP	7259-06235	1-11 1/2	1/2-14	.50
16MP-12MP	7259-23795	1-11 1/2	3/4-14	.36
16MP-16MP	7259-23805	1-11 1/2	1-11 1/2	.50
20MP-12MP	7259-08015	1 1/4-11 1/2	3/4-14	.57
20MP-16MP	7259-05875	1 1/4-11 1/2	1-11 1/2	.61

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS








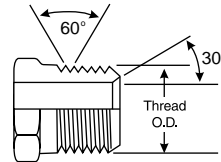
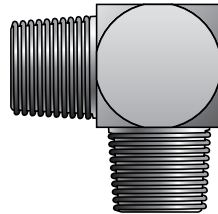
# SAE to SAE


## Male Pipe NPTF to Male Pipe NPTF - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
20MP-20MP	7259-23815	1 1/4-11 1/2	1 1/4-11 1/2	.62
24MP-12MP	7259-08545	1 1/2-11 1/2	3/4-14	.73
24MP-16MP	7259-08025	1 1/2-11 1/2	1-11 1/2	.73
24MP-20MP	7259-08125	1 1/2-11 1/2	1 1/4-11 1/2	1.32
24MP-24MP	7259-23825	1 1/2-11 1/2	1 1/2-11 1/2	.99
32MP-24MP	7259-08555	2-11 1/2	1 1/2-11 1/2	1.59
32MP-32MP	7259-23835	2-11 1/2	2-11 1/2	1.26

## Male Pipe NPTF to Male Pipe NPTF - 90°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
2MP-2MP90	7259-25205	1/8-27	1/8-27	.06
4MP-4MP90	7259-25215	1/4-18	1/4-18	.10
6MP-4MP90	7259-70755	3/8-18	1/4-18	.17
6MP-6MP90	7259-25225	3/8-18	3/8-18	.18
8MP-4MP90	7259-08565	1/2-14	1/4-18	.26
8MP-6MP90	7259-70855	1/2-14	3/8-18	.26
8MP-8MP90	7259-25235	1/2-14	1/2-14	.28
12MP-8MP90	7259-05725	3/4-14	1/2-14	.43
12MP-12MP90	7259-25245	3/4-14	3/4-14	.46
16MP-12MP90	7259-09835	1-11 1/2	3/4-14	.73
16MP-16MP90	7259-25255	1-11 1/2	1-11 1/2	1.15
20MP-20MP90	7259-08575	1 1/4-11 1/2	1 1/4-11 1/2	1.26
24MP-24MP90	7259-07155	1 1/2-11 1/2	1 1/2-11 1/2	3.85

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

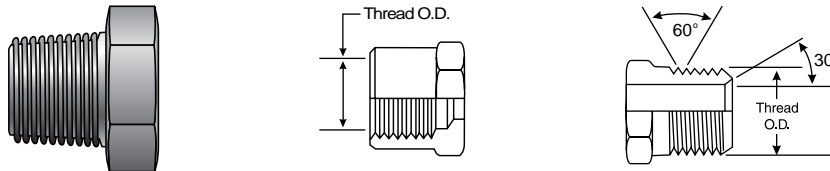
EQUIPMENT AND PARTS




# SAE to SAE

## Male Pipe NPTF to Female Pipe NPTF Reducer Bushing - Short

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
4MP-2FPS	7259-22595	1/4-18	1/8-27	.04
6MP-2FPS	7259-22605	3/8-18	1/8-27	.07
6MP-4FPS	7259-22615	3/8-18	1/4-18	.07
8MP-2FPS	7259-05815	1/2-14	1/8-27	.12
8MP-4FPS	7259-22635	1/2-14	1/4-18	.10
8MP-6FPS	7259-22645	1/2-14	3/8-18	.10
12MP-2FPS	7259-07335	3/4-14	1/8-27	.20
12MP-4FPS	7259-22665	3/4-14	1/4-18	.70
12MP-6FPS	7259-22675	3/4-14	3/8-18	.21
12MP-8FPS	7259-22685	3/4-14	1/2-14	.16
16MP-2FPS	7259-08585	1-11 1/2	1/8-27	.36
16MP-4FPS	7259-05355	1-11 1/2	1/4-18	.39
16MP-6FPS	7259-06665	1-11 1/2	3/8-18	.33
16MP-8FPS	7259-22725	1-11 1/2	1/2-14	.31
16MP-12FPS	7259-22735	1-11 1/2	3/4-14	.32
20MP-4FPS	7259-07475	1 1/4-11 1/2	1/4-18	.64
20MP-8FPS	7259-05525	1 1/4-11 1/2	1/2-14	.57
20MP-12FPS	7259-22755	1 1/4-11 1/2	3/4-14	.57
20MP-16FPS	7259-22765	1 1/4-11 1/2	1-11 1/2	.45
24MP-12FPS	7259-22785	1 1/2-11 1/2	3/4-14	.77
24MP-16FPS	7259-22795	1 1/2-11 1/2	1-11 1/2	.69
24MP-20FPS	7259-22805	1 1/2-11 1/2	1 1/4-11 1/2	.45
32MP-20FPS	7259-05425	2-11 1/2	1 1/4-11 1/2	1.20
32MP-24FPS	7259-32825	2-11 1/2	1 1/2-11 1/2	1.00

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

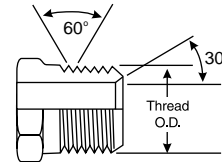
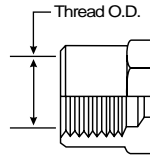
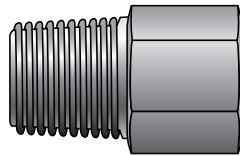





# SAE to SAE

## Male Pipe NPTF to Female Pipe NPTF Increasing Bushing - Long

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
2MP-4FPL	7259-25365	1/8-27	1/4-18	.08
2MP-6FPL	7259-08365	1/8-27	3/8-18	.12
4MP-2FPL	7259-08615	1/4-18	1/8-27	.07
4MP-4FPL	7259-00475	1/4-18	1/4-18	.09
4MP-6FPL	7259-25385	1/4-18	3/8-18	.13
4MP-8FPL	7259-05515	1/4-18	1/2-14	.26
6MP-4FPL	7259-05025	3/8-18	1/4-18	.11
6MP-6FPL	7259-00535	3/8-18	3/8-18	.12
6MP-8FPL	7259-25415	3/8-18	1/2-14	.26
8MP-8FPL	7259-05175	1/2-14	1/2-14	.28
8MP-12FPL	7259-25435	1/2-14	3/4-14	.36
8MP-16FPL	7259-07755	1/2-14	1-11 1/2	.57
12MP-8FPL	7259-00315	3/4-14	1/2-14	.30
12MP-12FPL	7259-06545	3/4-14	3/4-14	.40
12MP-16FPL	7259-25455	3/4-14	1-11 1/2	.66
16MP-12FPL	7259-05735	1-11 1/2	3/4-14	.52
16MP-16FPL	7259-08635	1-11 1/2	1-11 1/2	.76
16MP-20FPL	7259-25475	1-11 1/2	1 1/4-11 1/2	1.05
16MP-24FPL	7259-08645	1-11 1/2	1 1/2-11 1/2	1.25
20MP-20FPL	7259-07345	1 1/4-11 1/2	1 1/4-11 1/2	.95
20MP-24FPL	7259-25495	1 1/4-11 1/2	1 1/2-11 1/2	1.29
24MP-32FPL	7259-07765	1 1/2-11 1/2	2-11 1/2	1.82

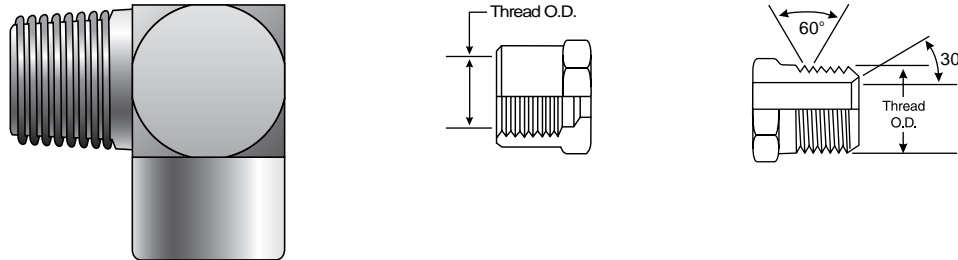
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS




# SAE to SAE

## Male Pipe NPTF to Female Pipe NPTF - 90°

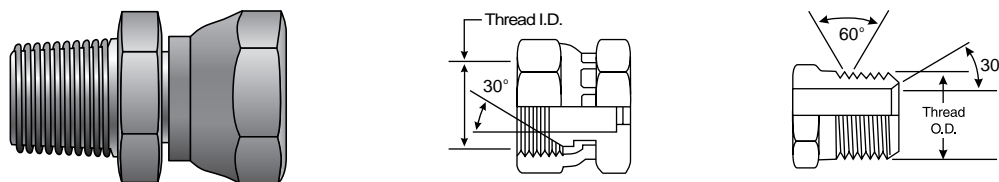
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight Lbs.
		"	"	
2MP-2FP90	7259-24105	1/8-27	1/8-27	.07
2MP-4FP90	7259-32835	1/8-27	1/4-18	.17
4MP-2FP90	7259-32845	1/4-18	1/8-27	.16
4MP-4FP90	7259-24115	1/4-18	1/4-18	.15
4MP-6FP90	7259-32855	1/4-18	3/8-18	.22
6MP-4FP90	7259-32865	3/8-18	1/4-18	.25
6MP-6FP90	7259-24125	3/8-18	3/8-18	.25
6MP-8FP90	7259-32875	3/8-18	1/2-14	.35
8MP-4FP90	7259-08655	1/2-14	1/4-18	.26
8MP-6FP90	7259-32885	1/2-14	3/8-18	.31
8MP-8FP90	7259-24135	1/2-14	1/2-14	.45
8MP-12FP90	7259-32895	1/2-14	3/4-14	.57
12MP-8FP90	7259-32905	3/4-14	1/2-14	.40
12MP-12FP90	7259-24145	3/4-14	3/4-14	.70
12MP-16FP90	7259-08375	3/4-14	1-11 1/2	1.03
16MP-12FP90	7259-08155	1-11 1/2	3/4-14	1.11
16MP-16FP90	7259-24155	1-11 1/2	1-11 1/2	1.13
20MP-16FP90	7259-08665	1 1/4-11 1/2	1-11 1/2	1.12
20MP-20FP90	7259-24165	1 1/4-11 1/2	1 1/4-11 1/2	1.68
24MP-24FP90	7259-24175	1 1/2-11 1/2	1 1/2-11 1/2	3.66
32MP-32FP90	7259-24185	2-11 1/2	2-11 1/2	4.45

## Male Pipe NPTF to Female Pipe Swivel NPSM

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
2MP-2FPX	7259-00735	1/8-27	1/8-27	.07

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.

gates.com/hydraulics

R5

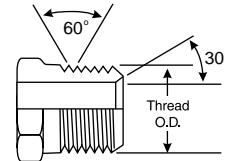
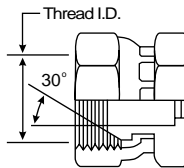
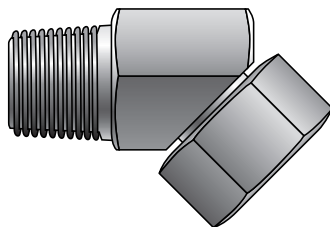
# SAE to SAE

## Male Pipe NPTF to Female Pipe Swivel NPSM - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
2MP-4FPX	7259-10635	1/8-27	1/4-18	.08
4MP-2FPX	7259-05095	1/4-18	1/8-27	.08
4MP-4FPX	7259-00775	1/4-18	1/4-18	.09
4MP-6FPX	7259-10455	1/4-18	3/8-18	.12
4MP-8FPX	7259-07355	1/4-18	1/2-14	.14
6MP-4FPX	7259-10625	3/8-18	1/4-18	.12
6MP-6FPX	7259-00815	3/8-18	3/8-18	.16
6MP-8FPX	7259-10375	3/8-18	1/2-14	.19
8MP-6FPX	7259-10365	1/2-14	3/8-18	.22
8MP-8FPX	7259-00895	1/2-14	1/2-14	.24
8MP-12FPX	7259-10865	1/2-14	3/4-14	.33
12MP-6FPX	7259-06345	3/4-14	3/8-18	.26
12MP-8FPX	7259-10645	3/4-14	1/2-14	.30
12MP-12FPX	7259-00255	3/4-14	3/4-14	.35
12MP-16FPX	7259-32935	3/4-14	1-11 1/2	.49
12MP-20FPX	7259-08675	3/4-14	1 1/4-11 1/2	.77
16MP-12FPX	7259-10935	1-11 1/2	3/4-14	.49
16MP-16FPX	7259-00275	1-11 1/2	1-11 1/2	.50
16MP-20FPX	7259-11285	1-11 1/2	1 1/4-11 1/2	.93
20MP-16FPX	7259-05595	1 1/4-11 1/2	1-11 1/2	.88
20MP-20FPX	7259-10745	1 1/4-11 1/2	1 1/4-11 1/2	1.08
20MP-24FPX	7259-06375	1 1/4-11 1/2	1 1/2-11 1/2	1.08
24MP-20FPX	7259-06305	1 1/2-11 1/2	1 1/4-11 1/2	1.14
24MP-24FPX	7259-11345	1 1/2-11 1/2	1 1/2-11 1/2	1.17
32MP-32FPX	7259-11435	2-11 1/2	2-11 1/2	1.70

## Male Pipe NPTF to Female Pipe Swivel NPSM - 45°


For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
2MP-2FPX45	7259-32945	1/8-27	1/8-27	.07
2MP-4FPX45	7259-00505	1/8-27	1/4-18	.09
4MP-2FPX45	7259-05985	1/4-18	1/8-27	.08
4MP-4FPX45	7259-02115	1/4-18	1/4-18	.09
4MP-6FPX45	7259-05265	1/4-18	3/8-18	.19
6MP-4FPX45	7259-05555	3/8-18	1/4-18	.14
6MP-6FPX45	7259-02155	3/8-18	3/8-18	.18
6MP-8FPX45	7259-32955	3/8-18	1/2-14	.23

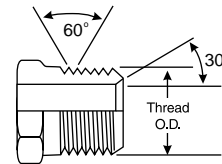
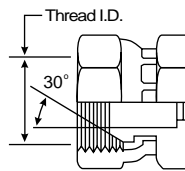
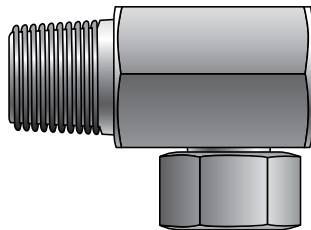
# SAE to SAE


## Male Pipe NPTF to Female Pipe Swivel NPSM - 45° - Cont'd

Descr.	Prod. No.			Weight Lbs.
		"	"	
8MP-4FPX45	7259-06465	1/2-14	1/4-18	.21
8MP-6FPX45	7259-32965	1/2-14	3/8-18	.23
8MP-8FPX45	7259-02125	1/2-14	1/2-14	.25
8MP-12FPX45	7259-06115	1/2-14	3/4-14	.39
12MP-8FPX45	7259-11535	3/4-14	1/2-14	.32
12MP-12FPX45	7259-02235	3/4-14	3/4-14	.37
12MP-16FPX45	7259-06125	3/4-14	1-11 1/2	.68
16MP-12FPX45	7259-11625	1-11 1/2	3/4-14	.66
16MP-16FPX45	7259-10765	1-11 1/2	1-11 1/2	.60
16MP-20FPX45	7259-07855	1-11 1/2	1 1/4-11 1/2	1.01
20MP-16FPX45	7259-06685	1 1/4-11 1/2	1-11 1/2	.99
20MP-20FPX45	7259-11355	1 1/4-11 1/2	1 1/4-11 1/2	.99
24MP-24FPX45	7259-11745	1 1/2-11 1/2	1 1/2-11 1/2	1.40
32MP-32FPX45	7259-32975	2-11 1/2	2-11 1/2	2.37

## Male Pipe NPTF to Female Pipe Swivel NPSM - 90°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
2MP-2FPX90	7259-08305	1/8-27	1/8-27	.06
2MP-4FPX90	7259-00415	1/8-27	1/4-18	.14
4MP-2FPX90	7259-05565	1/4-18	1/8-27	.11
4MP-4FPX90	7259-02135	1/4-18	1/4-18	.14
4MP-6FPX90	7259-10705	1/4-18	3/8-18	.22
4MP-8FPX90	7259-08685	1/4-18	1/2-14	.33
6MP-4FPX90	7259-10525	3/8-18	1/4-18	.20
6MP-6FPX90	7259-02165	3/8-18	3/8-18	.21
6MP-8FPX90	7259-10325	3/8-18	1/2-14	.02
8MP-4FPX90	7259-11175	1/2-14	1/4-18	.28
8MP-6FPX90	7259-10265	1/2-14	3/8-18	.29
8MP-8FPX90	7259-02205	1/2-14	1/2-14	.33
8MP-12FPX90	7259-11075	1/2-14	3/4-14	.49
12MP-6FPX90	7259-06045	3/4-14	3/8-18	.49
12MP-8FPX90	7259-02245	3/4-14	1/2-14	.50
12MP-12FPX90	7259-02265	3/4-14	3/4-14	.55
12MP-16FPX90	7259-05195	3/4-14	1-11 1/2	.77
12MP-20FPX90	7259-08705	3/4-14	3/4-14	1.98

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.


gates.com/hydraulics

R7



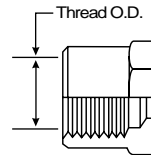
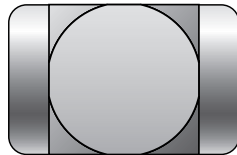
# SAE to SAE


## Male Pipe NPTF to Female Pipe Swivel NPSM - 90° - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
16MP-8FPX90	7259-06775	1-11 1/2	1/2-14	.77
16MP-12FPX90	7259-11275	1-11 1/2	3/4-14	.77
16MP-16FPX90	7259-10335	1-11 1/2	1-11 1/2	.82
16MP-20FPX90	7259-11475	1-11 1/2	1 1/4-11 1/2	1.57
20MP-12FPX90	7259-08165	1 1/4-11 1/2	3/4-14	1.30
20MP-16FPX90	7259-05435	1 1/4-11 1/2	1-11 1/2	1.29
20MP-20FPX90	7259-11055	1 1/4-11 1/2	1 1/4-11 1/2	1.68
20MP-24FPX90	7259-07865	1 1/4-11 1/2	1 1/2-11 1/2	1.98
24MP-20FPX90	7259-06355	1 1/2-11 1/2	1 1/4-11 1/2	1.65
24MP-24FPX90	7259-11655	1 1/2-11 1/2	1 1/2-11 1/2	1.74
32MP-32FPX90	7259-32995	2-11 1/2	2-11 1/2	3.80

## Female Pipe NPTF to Female Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
2FP-2FP	7259-24415	1/8-27	1/8-27	.04
4FP-2FP	7259-05035	1/4-18	1/8-27	.08
4FP-4FP	7259-24425	1/4-18	1/4-18	.08
6FP-2FP	7259-08385	3/8-18	1/8-27	.10
6FP-4FP	7259-00495	3/8-18	1/4-18	.09
6FP-6FP	7259-24435	3/8-18	3/8-18	.10
8FP-4FP	7259-05575	1/2-14	1/4-18	.28
8FP-6FP	7259-00715	1/2-14	3/8-18	.20
8FP-8FP	7259-24445	1/2-14	1/2-14	.25
12FP-8FP	7259-00525	3/4-14	1/2-14	.31
12FP-12FP	7259-24455	3/4-14	3/4-14	.33
16FP-8FP	7259-08715	1-11 1/2	1/2-14	.07
16FP-12FP	7259-05745	1-11 1/2	3/4-14	.46
16FP-16FP	7259-24465	1-11 1/2	1-11 1/2	.49
20FP-16FP	7259-08395	1 1/4-11 1/2	1-11 1/2	.89
20FP-20FP	7259-24475	1 1/4-11 1/2	1 1/4-11 1/2	1.32
24FP-24FP	7259-24885	1 1/2-11 1/2	1 1/2-11 1/2	1.32
32FP-32FP	7259-24895	2-11 1/2	2-11 1/2	1.41

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

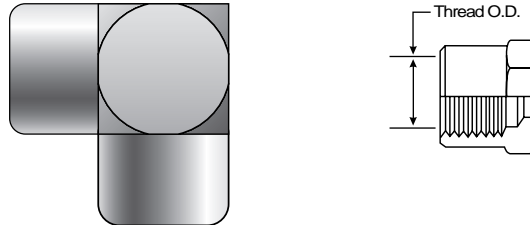
EQUIPMENT AND PARTS



# SAE to SAE

## Female Pipe NPTF to Female Pipe NPTF - 90°

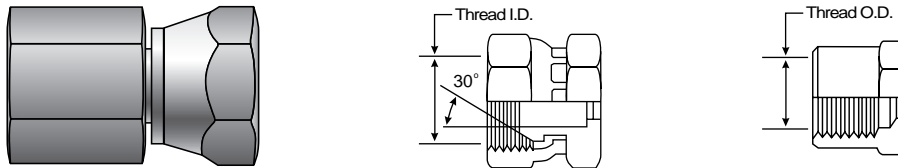
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
2FP-2FP90	7259-25015	1/8-27	1/8-27	.07
4FP-2FP90	7259-33005	1/4-18	1/8-27	.15
4FP-4FP90	7259-25025	1/4-18	1/4-18	.15
6FP-4FP90	7259-33015	3/8-18	1/4-18	.23
6FP-6FP90	7259-25035	3/8-18	3/8-18	.21
8FP-4FP90	7259-08725	1/2-14	1/4-18	.42
8FP-6FP90	7259-33025	1/2-14	3/8-18	.40
8FP-8FP90	7259-25045	1/2-14	1/2-14	.40
12FP-8FP90	7259-33035	3/4-14	1/2-14	.68
12FP-12FP90	7259-25055	3/4-14	3/4-14	.57
16FP-12FP90	7259-08175	1-11 1/2	3/4-14	1.14
16FP-16FP90	7259-25065	1-11 1/2	1-11 1/2	1.13
20FP-20FP90	7259-25075	1 1/4-11 1/2	1 1/4-11 1/2	1.15
24FP-24FP90	7259-33055	1 1/2-11 1/2	1 1/2-11 1/2	3.80
32FP-32FP90	7259-07485	2-11 1/2	2-11 1/2	1.68

## Female Pipe NPTF to Female Pipe Swivel NPSM

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
2FP-2FPX	7259-33065	1/8-27	1/8-27	.06
2FP-4FPX	7259-00435	1/8-27	1/4-18	.07
4FP-2FPX	7259-07515	1/4-18	1/8-27	.08
4FP-4FPX	7259-00795	1/4-18	1/4-18	.10
4FP-6FPX	7259-05205	1/4-18	3/8-18	.12
6FP-4FPX	7259-33085	3/8-18	1/4-18	.13
6FP-6FPX	7259-00835	3/8-18	3/8-18	.16
6FP-8FPX	7259-05105	3/8-18	1/2-14	.29
8FP-4FPX	7259-08735	1/2-14	1/4-18	.19

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.

gates.com/hydraulics


R9





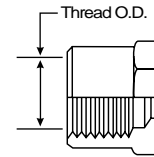
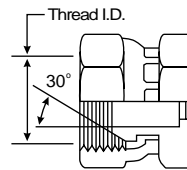
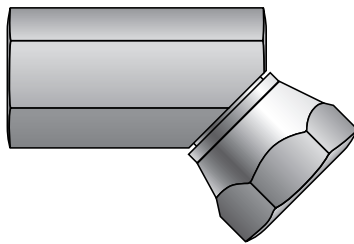
# SAE to SAE


## Female Pipe NPTF to Female Pipe Swivel NPSM - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
8FP-6FPX	7259-33095	1/2-14	3/8-18	.20
8FP-8FPX	7259-00915	1/2-14	1/2-14	.24
8FP-12FPX	7259-06695	1/2-14	3/4-14	.33
12FP-8FPX	7259-07165	3/4-14	1/2-14	.29
12FP-12FPX	7259-00925	3/4-14	3/4-14	.36
12FP-16FPX	7259-07775	3/4-14	1-11 1/2	.60
16FP-12FPX	7259-11595	1-11 1/2	3/4-14	.49
16FP-16FPX	7259-00905	1-11 1/2	1-11 1/2	.56
20FP-20FPX	7259-11015	1 1/4-11 1/2	1 1/4-11 1/2	.77
24FP-24FPX	7259-11545	1 1/2-11 1/2	1 1/2-11 1/2	1.01
32FP-32FPX	7259-11725	2-11 1/2	2-11 1/2	1.42

## Female Pipe NPTF to Female Pipe Swivel NPSM - 45°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
2FP-2FPX45	7259-06145	1/8-27	1/8-27	.07
2FP-4FPX45	7259-08745	1/8-27	1/4-18	.08
4FP-4FPX45	7259-11575	1/4-18	1/4-18	.14
6FP-4FPX45	7259-06785	3/8-18	1/4-18	.20
6FP-6FPX45	7259-11455	3/8-18	3/8-18	.22
6FP-8FPX45	7259-08185	3/8-18	1/2-14	.26
8FP-6FPX45	7259-06415	1/2-14	3/8-18	.37
8FP-8FPX45	7259-11305	1/2-14	1/2-14	.37
12FP-12FPX45	7259-11325	3/4-14	3/4-14	.54
16FP-12FPX45	7259-06565	1-11 1/2	3/4-14	.92
16FP-16FPX45	7259-11515	1-11 1/2	1-11 1/2	.44
20FP-20FPX45	7259-33105	1 1/4-11 1/2	1 1/4-11 1/2	1.20

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

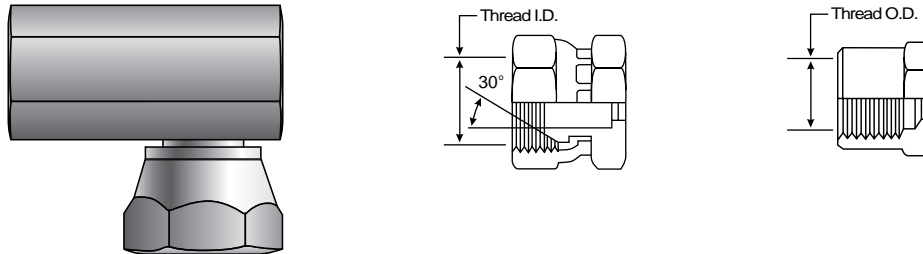
EQUIPMENT AND PARTS



# SAE to SAE

## Female Pipe NPTF to Female Pipe Swivel NPSM - 90°

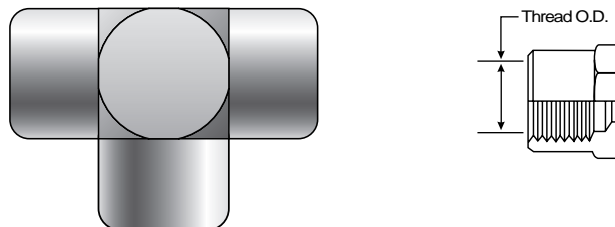
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
2FP-2FPX90	7259-05475	1/8-27	1/8-27	.08
2FP-4FPX90	7259-08755	1/8-27	1/4-18	.11
4FP-2FPX90	7259-06285	1/4-18	1/8-27	.14
4FP-4FPX90	7259-11005	1/4-18	1/4-18	.17
4FP-6FPX90	7259-06245	1/4-18	3/8-18	.20
6FP-4FPX90	7259-06825	3/8-18	1/4-18	.24
6FP-6FPX90	7259-10955	3/8-18	3/8-18	.26
6FP-8FPX90	7259-06965	3/8-18	1/2-14	.28
8FP-6FPX90	7259-06855	1/2-14	3/8-18	.40
8FP-8FPX90	7259-10615	1/2-14	1/2-14	.43
8FP-12FPX90	7259-06485	1/2-14	3/4-14	.55
12FP-8FPX90	7259-06585	3/4-14	1/2-14	.68
12FP-12FPX90	7259-11095	3/4-14	3/4-14	.93
16FP-12FPX90	7259-06595	1-11 1/2	3/4-14	1.11
16FP-16FPX90	7259-11765	1-11 1/2	1-11 1/2	1.19
20FP-16FPX90	7259-08405	1 1/4-11 1/2	1-11 1/2	1.37
20FP-20FPX90	7259-33115	1 1/4-11 1/2	1 1/4-11 1/2	1.54
24FP-24FPX90	7259-33125	1 1/2-11 1/2	1 1/2-11 1/2	3.70
32FP-32FPX90	7259-33135	2-11 1/2	2-11 1/2	4.56

## Female Pipe NPTF - Tee

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight
2FP-2FP-2FP	7259-23145	1/8-27	.08
4FP-4FP-4FP	7259-23155	1/4-18	.21
6FP-6FP-6FP	7259-23165	3/8-18	.26

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



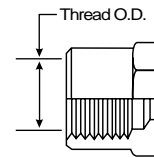
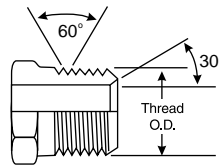
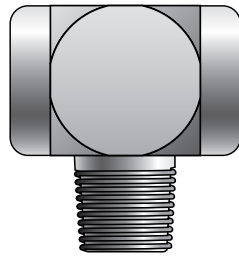
# SAE to SAE

## Female Pipe NPTF - Tee - Cont'd

Descr.	Prod. No.		Weight
8FP-8FP-8FP	7259-23175	1/2-14	.45
12FP-12FP-12FP	7259-23185	3/4-14	.67
16FP-16FP-16FP	7259-23195	1-11 1/2	1.32
20FP-20FP-20FP	7259-33145	1 1/4-11 1/2	1.40
24FP-24FP-24FP	7259-33155	1 1/2-11 1/2	4.20
32FP-32FP-32FP	7259-07245	2-11 1/2	4.30

## Female Pipe NPTF on Run to Male Pipe NPTF - Tee

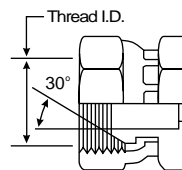
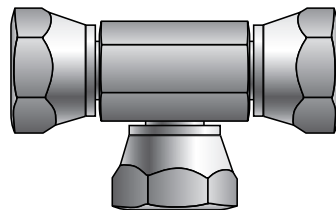
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight
2FP-2FP-2MP	7259-24905	1/8-27	.08
4FP-4FP-4MP	7259-24915	1/4-18	.18
6FP-6FP-6MP	7259-24925	3/8-18	.21
8FP-8FP-8MP	7259-24935	1/2-14	.44
12FP-12FP-12MP	7259-24945	3/4-14	.88
16FP-16FP-16MP	7259-24955	1-11 1/2	1.22
20FP-20FP-20MP	7259-07875	1 1/4-11 1/2	1.45
24FP-24FP-24MP	7259-08765	1 1/2-11 1/2	4.19

## Female Pipe Swivel NPSM - Tee


For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight
2FPX-2FPX-2FPX	7253-33165	1/8-27	.12
4FPX-4FPX-4FPX	7253-33175	1/4-18	.20
6FPX-6FPX-6FPX	7253-33185	3/8-18	.35
8FPX-8FPX-8FPX	7259-33195	1/2-14	.44

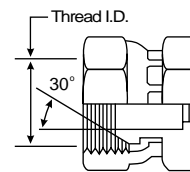
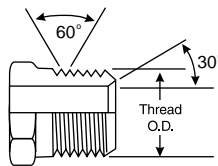
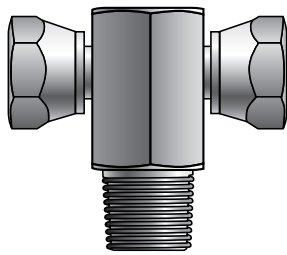
# SAE to SAE


## Female Pipe Swivel NPSM - Tee - Cont'd

Descr.	Prod. No.		Weight
12FPX-12FPX-12FPX	7259-33205	3/4-14	.76
16FPX-16FPX-16FPX	7253-33215	1-11 1/2	1.32
20FPX-20FPX-20FPX	7253-33225	1 1/4-11 1/2	2.32

## Female Pipe Swivel NPSM on Run to Male Pipe NPTF - Tee

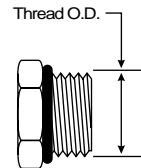
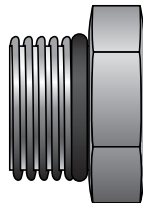
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight
2FPX-2FPX-2MP	7253-86585	1/8-27	.10
4FPX-4FPX-4MP	7253-86586	1/4-18	.21
6FPX-6FPX-6MP	7253-86587	3/8-18	.39
8FPX-8FPX-8MP	7253-86588	1/2-14	.53
12FPX-12FPX-12MP	7253-86589	3/4-14	.87
16FPX-16FPX-16MP	7253-86591	1-11 1/2	1.47
20FPX-20FPX-20MP	7253-33235	1 1/4-11 1/2	2.50

## Male O-Ring Boss Plug

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight
2MB-PLUG	7259-05415	5/16-24	.02
3MB-PLUG	7259-05255	3/8-24	.13
4MB-PLUG	7259-22975	7/16-20	.04
5MB-PLUG	7259-22985	1/2-20	.05
6MB-PLUG	7259-22995	9/16-18	.06
8MB-PLUG	7259-23005	3/4-16	.10
10MB-PLUG	7259-23015	7/8-14	.15
12MB-PLUG	7259-23025	1 1/16-12	.26
14MB-PLUG	7259-23035	1 3/16-12	.32

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.


gates.com/hydraulics

R13



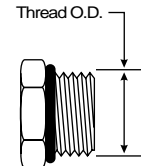
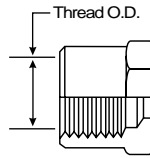
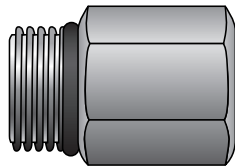
# SAE to SAE


## Male O-Ring Boss Plug - Cont'd

Descr.	Prod. No.		Weight
16MB-PLUG	7259-23045	1 5/16-12	.37
20MB-PLUG	7259-23055	1 5/8-12	.64
24MB-PLUG	7259-05185	1 7/8-12	.86
32MB-PLUG	7259-07615	2 1/2-12	1.66

## Male O-Ring Boss to Female Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



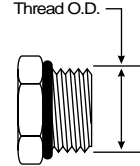
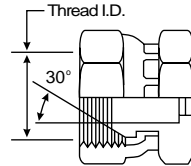
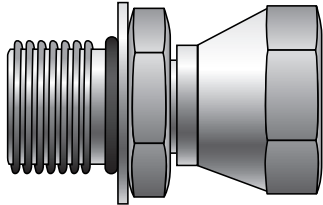
Descr.	Prod. No.			Weight
		"	"	Lbs.
3MB-2FP	7259-08785	3/8-24	1/8-27	.04
4MB-2FP	7259-24205	7/16-20	1/8-27	.05
4MB-4FP	7259-00395	7/16-20	1/4-18	.09
	7259-05145	7/16-20	3/8-18	.11
5MB-2FP	7259-05945	1/2-20	1/8-27	.04
5MB-4FP	7259-05755	1/2-20	1/4-18	.09
6MB-2FP	7259-08805	9/16-18	1/8-27	.02
6MB-4FP	7259-24215	9/16-18	1/4-18	.10
6MB-6FP	7259-00205	9/16-18	3/8-18	.14
6MB-8FP	7259-06605	9/16-18	1/2-14	.23
8MB-4FP	7259-00245	3/4-16	1/4-18	.13
	7259-24225	3/4-16	3/8-18	.12
	7259-33255	3/4-16	1/2-14	.23
8MB-12FP	7259-06715	3/4-16	3/4-14	.34
10MB-4FP	7259-07255	7/8-14	1/4-18	.11
10MB-6FP	7259-00335	7/8-14	3/8-18	.23
10MB-8FP	7259-24235	7/8-14	1/2-14	.24
10MB-12FP	7259-05315	7/8-14	3/4-14	.37
12MB-8FP	7259-24245	1 1/16-12	1/2-14	.30
12MB-12FP	7259-24255	1 1/16-12	3/4-14	.35
12MB-16FP	7259-06155	1 1/16-12	1-11 1/2	.54
14MB-12FP	7259-24265	1 3/16-12	3/4-14	.36
16MB-8FP	7259-05495	1 5/16-12	7/8-14	.47
16MB-12FP	7259-33265	1 5/16-12	3/4-14	.43
16MB-16FP	7259-24275	1 5/16-12	1-11 1/2	.51
20MB-16FP	7259-05445	1 5/8-12	1-11 1/2	.70




# SAE to SAE

## Male O-Ring Boss to Female Pipe Swivel NPSM

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
4MB-2FPX	7259-06725	7/16-20	1/8-27	.15
4MB-4FPX	7259-10475	7/16-20	1/4-18	.07
4MB-6FPX	7259-05395	7/16-20	3/8-18	.11
5MB-4FPX	7259-11065	1/2-20	1/4-18	.08
5MB-8FPX	7259-11735	1/2-20	1/2-14	.17
6MB-4FPX	7259-10585	9/16-18	1/4-18	.09
6MB-6FPX	7259-10445	9/16-18	3/8-18	.11
6MB-8FPX	7259-07495	9/16-18	1/2-24	.15
8MB-4FPX	7259-11115	3/4-16	1/4-18	.13
8MB-6FPX	7259-10535	3/4-16	3/8-18	.16
8MB-8FPX	7259-00295	3/4-16	1/2-14	.18
8MB-12FPX	7259-11105	3/4-16	3/4-14	.25
10MB-6FPX	7259-11155	7/8-14	3/8-18	.20
10MB-8FPX	7259-10215	7/8-14	1/2-14	.22
10MB-12FPX	7259-10665	7/8-14	3/4-14	.30
12MB-8FPX	7259-10725	1 1/16-12	1/2-14	.32
12MB-12FPX	7259-10315	1 1/16-12	3/4-14	.34
12MB-16FPX	7259-05535	1 1/16-12	1-11 1/2	.50
14MB-12FPX	7259-33275	1 3/16-12	3/4-14	.44
16MB-12FPX	7259-05115	1 5/16-12	3/4-14	.49
16MB-16FPX	7259-33285	1 5/16-12	1-11 1/2	.53
16MB-20FPX	7259-08035	1 5/16-12	1 1/4-11 1/2	.80
20MB-12FPX	7259-08815	1 5/8-12	3/4-14	.74
20MB-16FPX	7259-06925	1 5/8-12	1-11 1/2	.79
20MB-20FPX	7259-05605	1 5/8-12	1 1/4-11 1/2	.96
24MB-20FPX	7259-08825	1 7/8-12	1 1/4-11 1/2	1.17
24MB-24FPX	7259-07625	1 7/8-12	1 1/2-11 1/2	1.80
32MB-32FPX	7259-07885	2 1/2-12	2-11 1/2	2.21

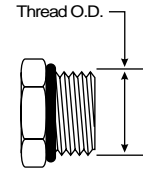
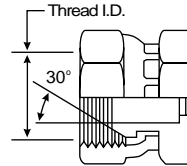
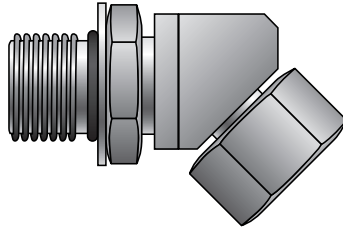
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



## SAE to SAE

### Male O-Ring Boss to Female Pipe Swivel NPSM - 45°

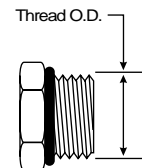
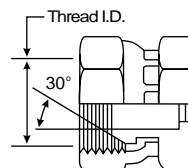
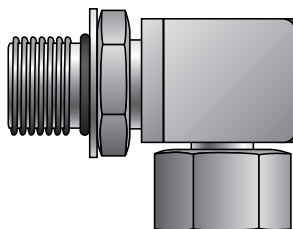
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
4MB-2FPX45	7259-08835	7/16-20	1/8-27	.08
4MB-4FPX45	7259-05015	7/16-20	1/4-18	.25
4MB-6FPX45	7259-07795	7/16-20	3/8-18	.19
6MB-4FPX45	7259-05825	9/16-18	1/4-18	.25
6MB-6FPX45	7259-10915	9/16-18	3/8-18	.17
6MB-8FPX45	7259-06365	9/16-18	1/2-14	.25
8MB-4FPX45	7259-08845	3/4-16	1/4-18	.22
8MB-6FPX45	7259-11495	3/4-16	3/8-18	.24
8MB-8FPX45	7259-10875	3/4-16	1/2-14	.28
8MB-12FPX45	7259-33295	3/4-16	3/4-14	.47
10MB-6FPX45	7259-11645	7/8-14	3/8-18	.33
10MB-8FPX45	7259-10815	7/8-14	1/2-14	.35
10MB-12FPX45	7259-06575	7/8-14	3/4-14	.50
12MB-8FPX45	7259-08205	1 1/16-12	1/2-14	.50
12MB-12FPX45	7259-11315	1 1/16-12	3/4-14	.57
12MB-16FPX45	7259-07265	1 1/16-12	1-11 1/2	.79
16MB-12FPX45	7259-07425	1 5/16-12	3/4-14	.76
16MB-16FPX45	7259-33325	1 5/16-12	1-11 1/2	.79
20MB-20FPX45	7259-06615	1 5/8-12	1 1/4-11 1/2	1.59
24MB-24FPX45	7259-08415	1 7/8-12	1 1/2-11 1/2	.40

### Male O-Ring Boss to Female Pipe Swivel NPSM - 90°


For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
4MB-2FPX90	7259-08215	7/16-20	1/8-27	.12

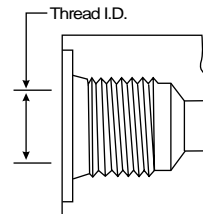
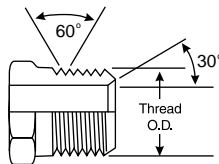
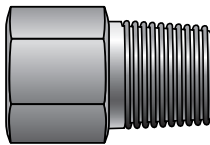
# SAE to SAE


## Male O-Ring Boss to Female Pipe Swivel NPSM - 90° - Cont'd

Descr.	Prod. No.			Weight Lbs.
		"	"	
4MB-4FPX90	7259-10835	7/16-20	1/4-18	.12
4MB-6FPX90	7259-06625	7/16-20	3/8-18	.22
6MB-4FPX90	7259-10405	9/16-18	1/4-18	.13
6MB-6FPX90	7259-10285	9/16-18	3/8-18	.23
6MB-8FPX90	7259-05045	9/16-18	1/2-14	.33
8MB-4FPX90	7259-06175	3/4-16	1/4-18	.26
8MB-6FPX90	7259-10295	3/4-16	3/8-18	.28
8MB-8FPX90	7259-10155	3/4-16	1/2-14	.34
8MB-12FPX90	7259-11335	3/4-16	3/4-14	.57
10MB-6FPX90	7259-11215	7/8-14	3/8-18	.36
10MB-8FPX90	7259-10345	7/8-14	1/2-14	.37
10MB-12FPX90	7259-11295	7/8-14	3/4-14	.60
12MB-6FPX90	7259-07895	1 1/16-12	3/8-18	.61
12MB-8FPX90	7259-00515	1 1/16-12	1/2-14	.65
12MB-12FPX90	7259-10575	1 1/16-12	3/4-14	.67
12MB-16FPX90	7259-06935	1 1/16-12	1-11 1/2	.99
14MB-12FPX90	7259-07175	1 3/16-12	3/4-14	.88
16MB-12FPX90	7259-05805	1 5/16-12	3/4-14	.94
16MB-16FPX90	7259-11125	1 5/16-12	1-11 1/2	1.07
16MB-20FPX90	7259-06875	1 5/16-12	1 1/4-11 1/2	1.79
20MB-12FPX90	7259-06945	1 5/8-12	3/4-14	1.59
20MB-16FPX90	7259-06635	1 5/8-12	1-11 1/2	1.98
20MB-20FPX90	7259-05905	1 5/8-12	1 1/4-11 1/2	1.98
24MB-24FPX90	7259-08855	1 7/8-12	1 1/2-11 1/2	2.19
32MB-32FPX90	7259-08045	2 1/2-12	2-11 1/2	4.54

## Female O-Ring Boss to Male Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
4FB-2MP	7259-33335	7/16-20	1/8-27	.07
4FB-4MP	7259-06515	7/16-20	1/4-18	.08
5FB-2MP	7259-33355	1/2-20	1/8-27	.10
6FB-4MP	7259-33345	9/16-18	1/4-18	.12
6FB-6MP	7259-00385	9/16-18	3/8-18	.13
6FB-8MP	7259-00485	9/16-18	1/2-14	.17
8FB-6MP	7259-33365	3/4-16	3/8-18	.17
8FB-8MP	7259-08875	3/4-16	1/2-14	.20

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.


gates.com/hydraulics

R17



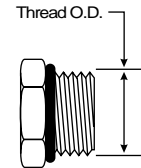
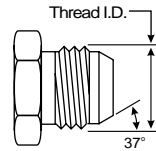
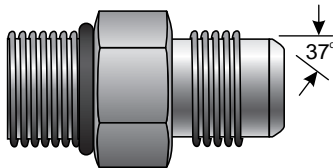
# SAE to SAE


## Female O-Ring Boss to Male Pipe NPTF - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
10FB-8MP	7259-33375	7/8-14	1/2-14	.31
12FB-8MP	7259-06955	1 1/16-12	1/2-14	.36
12FB-12MP	7259-33385	1 1/16-12	3/4-14	.37
16FB-12MP	7259-08885	1 5/16-12	3/4-14	.43
16FB-16MP	7259-33395	1 5/16-12	1-11 1/2	.54

## Male O-Ring Boss to Male JIC 37° Flare


For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
2MB-2MJ	7259-07275	5/16-24	5/16-24	.03
2MB-4MJ	7259-08895	5/16-24	7/16-20	.05
3MB-4MJ	7259-06255	3/8-24	7/16-20	.03
4MB-3MJ	7259-08905	7/16-20	3/8-24	.04
4MB-4MJ	7259-10025	7/16-20	7/16-20	.05
4MB-5MJ	7259-05005	7/16-20	1/2-20	.06
4MB-6MJ	7259-33405	7/16-20	9/16-18	.06
4MB-8MJ	7259-08915	7/16-20	3/4-16	.11
5MB-3MJ	7253-86885	1/2-20	3/8-24	.06
5MB-4MJ	7259-10775	1/2-20	7/16-20	.06
5MB-5MJ	7259-10855	1/2-20	1/2-20	.06
5MB-6MJ	7259-33415	1/2-20	9/16-18	.07
6MB-4MJ	7259-10045	9/16-18	7/16-20	.08
6MB-5MJ	7259-00455	9/16-18	1/2-20	.08
6MB-6MJ	7259-04685	9/16-18	9/16-18	.08
6MB-8MJ	7259-10145	9/16-18	3/4-16	.11
6MB-10MJ	7259-33425	9/16-18	7/8-14	.16
6MB-12MJ	7259-07635	9/16-18	1 1/16-12	.28
8MB-4MJ	7259-00025	3/4-16	7/16-20	.11
8MB-5MJ	7259-06885	3/4-16	1/2-20	.11
8MB-6MJ	7259-04775	3/4-16	9/16-18	.16
8MB-8MJ	7259-10015	3/4-16	3/4-16	.14
8MB-10MJ	7259-10425	3/4-16	7/8-14	.18
8MB-12MJ	7259-10305	3/4-16	1 1/16-12	.31
8MB-16MJ	7259-07285	3/4-16	1 5/16-12	.43
10MB-4MJ	7259-00105	7/8-14	7/16-20	.17
10MB-6MJ	7259-10095	7/8-14	9/16-18	.19
10MB-8MJ	7259-10075	7/8-14	3/4-16	.18
10MB-10MJ	7259-10065	7/8-14	7/8-14	.25
10MB-12MJ	7259-00235	7/8-14	1 1/16-12	.29

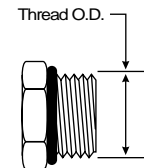
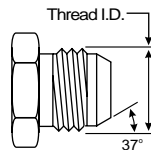
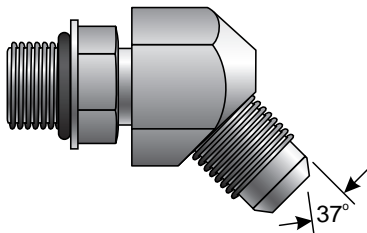
# SAE to SAE


## Male O-Ring Boss to Male JIC 37° Flare - Cont'd

Descr.	Prod. No.			Weight Lbs.
		"	"	
10MB-16MJ	7259-00355	7/8-14	1 5/16-12	.44
12MB-4MJ	7259-07905	1 1/16-12	7/16-20	.26
12MB-6MJ	7259-00305	1 1/16-12	9/16-18	.33
12MB-8MJ	7259-10035	1 1/16-12	3/4-16	.33
12MB-10MJ	7259-10755	1 1/16-12	7/8-14	.35
12MB-12MJ	7259-10115	1 1/16-12	1 1/16-12	.34
12MB-14MJ	7259-08225	1 1/16-12	1 3/16-12	.35
12MB-16MJ	7259-10885	1 1/16-12	1 5/16-12	.42
12MB-20MJ	7259-06005	1 1/16-12	1 5/8-12	1.13
14MB-10MJ	7259-08425	1 3/16-12	7/8-14	.35
14MB-12MJ	7259-06185	1 3/16-12	1 1/16-12	.38
14MB-14MJ	7259-07525	1 3/16-12	1 3/16-12	.41
14MB-16MJ	7259-08235	1 3/16-12	1 5/16-12	.43
16MB-8MJ	7259-00125	1 5/16-12	3/4-16	.40
16MB-10MJ	7259-11385	1 5/16-12	7/8-14	.40
16MB-12MJ	7259-10135	1 5/16-12	1 1/16-12	.54
16MB-16MJ	7259-10055	1 5/16-12	1 5/16-12	.47
16MB-20MJ	7259-05485	1 5/16-12	1 5/8-12	.66
20MB-10MJ	7253-86907	1 5/8-12	7/8-14	.35
20MB-12MJ	7259-11255	1 5/8-12	1 1/16-12	.69
20MB-16MJ	7259-10245	1 5/8-12	1 5/16-12	.72
20MB-20MJ	7259-11235	1 5/8-12	1 5/8-12	1.01
20MB-24MJ	7259-06315	1 5/8-12	1 7/8-12	.92
24MB-16MJ	7259-00365	1 7/8-12	1 5/16-12	.93
24MB-20MJ	7259-05505	1 7/8-12	1 5/8-12	1.00
24MB-24MJ	7259-05345	1 7/8-12	1 7/8-12	1.05
32MB-24MJ	7259-07645	2 1/2-12	1 7/8-12	1.83
32MB-32MJ	7259-09855	2 1/2-12	2 1/2-12	2.05

## Male O-Ring Boss to Male JIC 37° Flare - 45°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
4MB-4MJ45	7259-28565	7/16-20	7/16-20	.06
4MB-6MJ45	7259-00095	7/16-20	9/16-18	.10
5MB-5MJ45	7259-28575	1/2-20	1/2-20	.09
5MB-6MJ45	7259-05405	1/2-20	9/16-18	.09

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

gates.com/hydraulics

R19

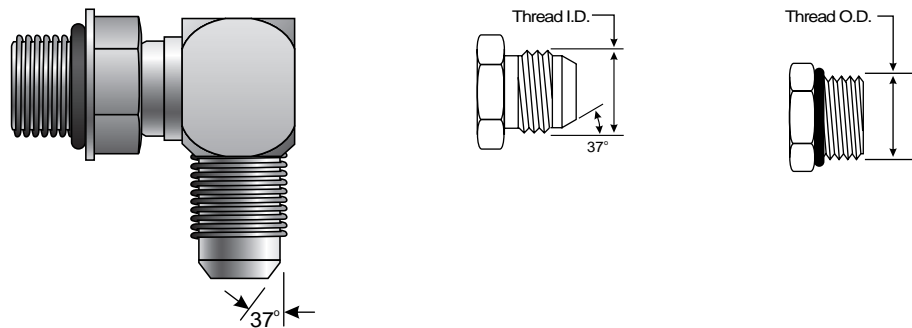
# SAE to SAE

## Male O-Ring Boss to Male JIC 37° Flare - 45° - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
6MB-4MJ45	7259-00065	9/16-18	7/16-20	.10
6MB-6MJ45	7259-28585	9/16-18	9/16-18	.10
6MB-8MJ45	7259-05335	9/16-18	3/4-16	.17
8MB-6MJ45	7259-77595	3/4-16	9/16-18	.19
8MB-8MJ45	7259-28255	3/4-16	3/4-16	.20
8MB-10MJ45	7259-28415	3/4-16	7/8-14	.30
8MB-12MJ45	7259-06895	3/4-16	1 1/16-12	.41
10MB-8MJ45	7259-28425	7/8-14	3/4-16	.30
10MB-10MJ45	7259-10895	7/8-14	7/8-14	.26
10MB-12MJ45	7259-05785	7/8-14	1 1/16-12	.45
12MB-10MJ45	7259-77605	1 1/16-12	7/8-14	.51
12MB-12MJ45	7259-28595	1 1/16-12	1 1/16-12	.41
12MB-16MJ45	7259-28435	1 1/16-12	1 5/16-12	.77
14MB-14MJ45	7259-28605	1 3/16-12	1 3/16-12	.76
16MB-12MJ45	7259-28445	1 5/16-12	1 1/16-12	.75
16MB-16MJ45	7259-28615	1 5/16-12	1 5/16-12	.66
16MB-20MJ45	7259-08065	1 5/16-12	1 5/8-12	1.20
20MB-16MJ45	7259-07295	1 5/8-12	1 5/16-12	1.13
20MB-20MJ45	7259-05955	1 5/8-12	1 5/8-12	1.19
24MB-24MJ45	7259-06975	1 7/8-12	1 7/8-12	2.18

## Male O-Ring Boss to Male JIC 37° Flare - 90°


For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
2MB-2MJ90	7259-08925	5/16-24	5/16-24	.07
3MB-3MJ90	7259-77615	3/8-24	3/8-24	.06
4MB-4MJ90	7259-28265	7/16-20	7/16-20	.07
4MB-5MJ90	7259-77625	7/16-20	1/2-20	.10
4MB-6MJ90	7259-28455	7/16-20	9/16-18	.11
4MB-8MJ90	7259-09825	7/16-20	3/4-16	.32
5MB-4MJ90	7259-05615	1/2-20	7/16-20	.10
5MB-5MJ90	7259-28625	1/2-20	1/2-20	.12
5MB-6MJ90	7259-05075	1/2-20	9/16-18	.11

# SAE to SAE

## Male O-Ring Boss to Male JIC 37° Flare - 90° - Cont'd

Descr.	Prod. No.			Weight Lbs.
		"	"	
5MB-8MJ90	7259-06985	1/2-20	3/4-16	.20
6MB-4MJ90	7259-28465	9/16-18	7/16-20	.13
6MB-5MJ90	7259-28475	9/16-18	1/2-20	.17
6MB-6MJ90	7259-28275	9/16-18	9/16-18	.13
6MB-8MJ90	7259-28485	9/16-18	3/4-16	.21
6MB-10MJ90	7259-28495	9/16-18	7/8-14	.30
6MB-12MJ90	7259-07915	9/16-18	1 1/16-12	.50
8MB-4MJ90	7259-05165	3/4-16	7/16-20	.24
8MB-5MJ90	7259-08075	3/4-16	1/2-20	.22
8MB-6MJ90	7259-28505	3/4-16	9/16-18	.23
8MB-8MJ90	7259-28285	3/4-16	3/4-16	.25
8MB-10MJ90	7259-28515	3/4-16	7/8-14	.35
8MB-12MJ90	7259-28525	3/4-16	1 1/16-12	.54
8MB-16MJ90	7259-08445	3/4-16	3/4-16	.78
10MB-5MJ90	7259-08935	7/8-14	1/2-20	.35
10MB-6MJ90	7259-00215	7/8-14	9/16-18	.34
10MB-8MJ90	7259-28295	7/8-14	3/4-16	.35
10MB-10MJ90	7259-28635	7/8-14	7/8-14	.35
10MB-12MJ90	7259-28535	7/8-14	1 1/16-12	.56
10MB-16MJ90	7259-05275	7/8-14	1 5/16-12	.84
12MB-6MJ90	7259-05065	1 1/16-12	9/16-18	.62
12MB-8MJ90	7259-00055	1 1/16-12	3/4-16	.66
12MB-10MJ90	7259-28545	1 1/16-12	7/8-14	.60
12MB-12MJ90	7259-28645	1 1/16-12	1 1/16-12	.60
12MB-14MJ90	7259-08945	1 1/16-12	1 3/16-12	.99
12MB-16MJ90	7259-28555	1 1/16-12	1 5/16-12	.92
12MB-20MJ90	7259-08435	1 1/16-12	1 5/8-12	1.44
14MB-12MJ90	7259-06435	1 3/16-12	1 1/16-12	.89
14MB-14MJ90	7259-28655	1 3/16-12	1 3/16-12	.88
14MB-16MJ90	7259-07305	1 3/16-12	1 5/16-12	.88
14MB-20MJ90	7259-08955	1 3/16-12	1 5/8-12	1.37
16MB-8MJ90	7259-05885	1 5/16-12	3/4-16	.94
16MB-10MJ90	7259-08965	1 5/16-12	7/8-14	.89
16MB-12MJ90	7259-28315	1 5/16-12	1 1/16-12	.79
16MB-14MJ90	7259-08975	1 5/16-12	1 3/16-12	1.04
16MB-16MJ90	7259-28325	1 5/16-12	1 5/16-12	.93
16MB-20MJ90	7259-77655	1 5/16-12	1 5/8-12	1.44
16MB-24MJ90	7259-08255	1 5/16-12	1 7/8-12	2.01
20MB-10MJ90	7259-08265	1 5/8-12	7/8-14	1.59
20MB-12MJ90	7259-05995	1 5/8-12	1 1/16-12	1.59
20MB-16MJ90	7259-05055	1 5/8-12	1 5/16-12	1.68
20MB-20MJ90	7259-77665	1 5/8-12	1 5/8-12	1.25
20MB-24MJ90	7259-06015	1 5/8-12	1 7/8-12	1.98
24MB-20MJ90	7259-06525	1 7/8-12	1 5/8-12	2.06
24MB-24MJ90	7259-77675	1 7/8-12	1 7/8-12	1.87
32MB-32MJ90	7259-07135	2 1/2-12	2 1/2-12	4.48

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

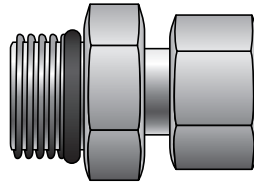





# SAE to SAE

## Male O-Ring Boss to Female JIC 37° Flare Swivel

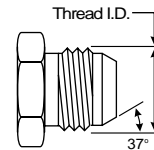
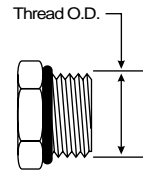
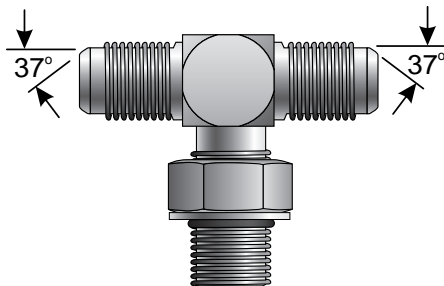
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight
6MB-6FJX	7259-42155	9/16-18	.09
8MB-8FJX	7259-42185	3/4-16	.16

## Male JIC 37° Flare on Run to Male O-Ring Boss - Tee

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.				Weight
		"	"	"	Lbs.
4MJ-4MJ-4MB	7259-33615	7/16-20	7/16-20	7/16-20	.09
5MJ-5MJ-5MB	7259-33625	1/2-20	1/2-20	1/2-20	.13
6MJ-6MJ-6MB	7259-33635	9/16-18	9/16-18	9/16-18	.17
6MJ-6MJ-8MB	7259-06165	9/16-18	9/16-18	3/4-16	.29
8MJ-8MJ-10MB	7259-07655	3/4-16	3/4-16	7/8-14	.50
8MJ-8MJ-8MB	7259-33645	3/4-16	3/4-16	3/4-16	.32
10MJ-10MJ-10MB	7259-33655	7/8-14	7/8-14	7/8-14	.46
12MJ-12MJ-10MB	7259-08985	1 1/16-12	1 1/16-12	7/8-14	.72
12MJ-12MJ-12MB	7259-33665	1 1/16-12	1 1/16-12	1 1/16-12	.80
14MJ-14MJ-14MB	7259-08995	1 3/16-12	1 3/16-12	1 3/16-12	1.10
16MJ-16MJ-16MB	7259-33675	1 5/16-12	1 5/16-12	1 5/16-12	1.07
20MJ-20MJ-20MB	7259-09005	1 5/8-12	1 5/8-12	1 5/8-12	1.98
24MJ-24MJ-24MB	7259-09015	1 7/8-12	1 7/8-12	1 7/8-12	2.65

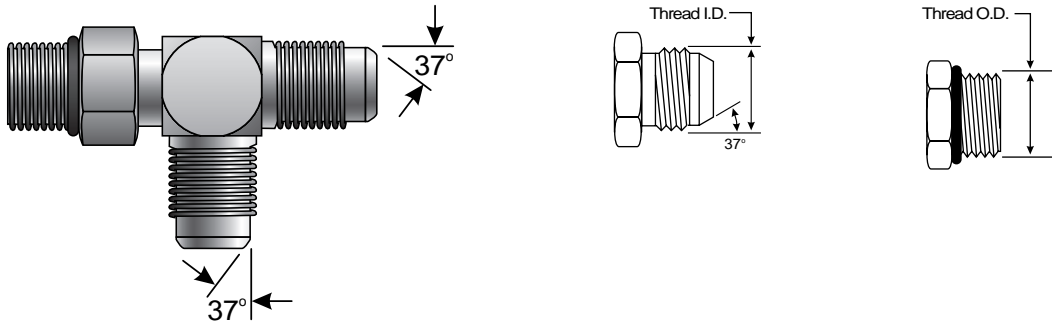
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS




# SAE to SAE

## Male O-Ring Boss to Male JIC 37° Flare to Male JIC 37° Flare - Tee

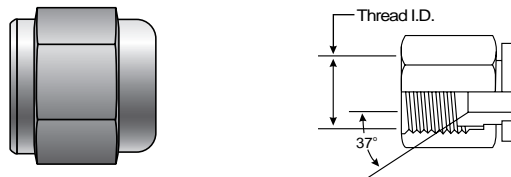
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.				Weight Lbs.
		"	"	"	
4MB-4MJ-4MJ	7259-33685	7/16-20	7/16-20	7/16-20	.09
5MB-5MJ-5MJ	7259-33695	1/2-20	1/2-20	1/2-20	.15
6MB-6MJ-6MJ	7259-33705	9/16-18	9/16-18	9/16-18	.15
6MB-8MJ-6MJ	7259-00185	9/16-18	3/4-16	9/16-18	.28
8MB-8MJ-8MJ	7259-33715	3/4-16	3/4-16	3/4-16	.32
10MB-10MJ-10MJ	7259-33725	7/8-14	7/8-14	7/8-14	.46
12MB-12MJ-12MJ	7259-33735	1 1/16-12	1 1/16-12	1 1/16-12	.80
12MB-12MJ-16MJ	7259-09025	1 1/16-12	1 1/16-12	1 5/16-12	1.09
14MB-14MJ-14MJ	7259-09035	1 3/16-12	1 3/16-12	1 3/16-12	1.13
16MB-16MJ-16MJ	7259-33745	1 5/16-12	1 5/16-12	1 5/16-12	1.13
20MB-20MJ-20MJ	7259-07535	1 5/8-12	1 5/8-12	1 5/8-12	1.85
24MB-24MJ-24MJ	7259-09045	1 7/8-12	1 7/8-12	1 7/8-12	2.51

## Female JIC 37° Flare Cap

For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight
		"	"	
2FJ-CAP	7259-09865	5/16-24		.01
3FJ-CAP	7259-07435	3/8-24		.02
4FJ-CAP	7259-24305	7/16-20		.03
5FJ-CAP	7259-24315	1/2-20		.05
6FJ-CAP	7259-24325	9/16-18		.04
8FJ-CAP	7259-24335	3/4-16		.08
10FJ-CAP	7259-24345	7/8-14		.10

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



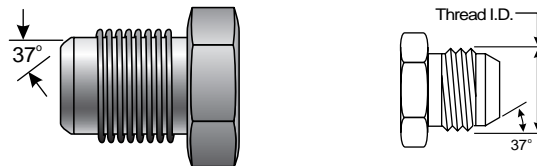
# SAE to SAE


## Female JIC 37° Flare Cap - Cont'd

Descr.	Prod. No.		Weight
12FJ-CAP	7259-24355	1 1/16-12	.20
14FJ-CAP	7259-00445	1 3/16-12	.24
16FJ-CAP	7259-24365	1 5/16-12	.30
20FJ-CAP	7253-24375	1 5/8-12	.10
24FJ-CAP	7259-24385	1 7/8-12	.82
32FJ-CAP	7259-24405	2 1/2-12	1.59

## Male JIC 37° Flare Plug

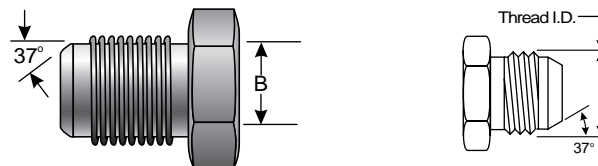
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight
3MJ-PLUG	7259-09775	3/8-24	.02
4MJ-PLUG	7259-22885	7/16-20	.04
5MJ-PLUG	7259-22895	1/2-20	.05
6MJ-PLUG	7259-22905	9/16-18	.05
8MJ-PLUG	7259-22915	3/4-16	.09
10MJ-PLUG	7259-22925	7/8-14	.13
12MJ-PLUG	7259-22935	1 1/16-12	.21
14MJ-PLUG	7259-22945	1 5/16-12	.29
16MJ-PLUG	7259-22955	1 5/16-12	.34
20MJ-PLUG	7259-22965	1 5/8-12	.56
32MJ-PLUG	7259-33765	2 1/2-12	1.76

## Male JIC 37° Flare to Female Braze - On

For use up to SAE 100R2 maximum working pressure.



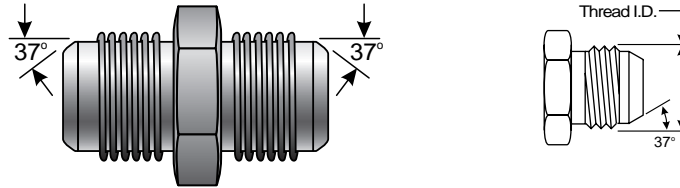
Descr.	Prod. No.		B (In.)	Weight
20MJ-20FBO	7253-28735	1 5/8-12	1 1/4	.40


- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

# SAE to SAE

## Male JIC 37° Flare to Male JIC 37° Flare

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
2MJ-2MJ	7259-77775	5/16-24	5/16-24	.01
3MJ-2MJ	7259-09065	3/8-24	5/16-24	.26
3MJ-3MJ	7259-77785	3/8-24	3/8-24	.17
4MJ-3MJ	7259-09075	7/16-20	3/8-24	.03
4MJ-4MJ	7259-10125	7/16-20	7/16-20	.04
4MJ-6MJ	7253-33785	7/16-20	9/16-18	.12
5MJ-4MJ	7259-77795	1/2-20	7/16-20	.04
5MJ-5MJ	7259-10735	1/2-20	1/2-20	.06
6MJ-4MJ	7259-00285	9/16-18	7/16-20	.06
6MJ-5MJ	7259-77805	9/16-18	1/2-20	.05
6MJ-6MJ	7259-06265	9/16-18	9/16-18	.07
6MJ-8MJ	7253-33805	9/16-18	3/4-16	.12
8MJ-4MJ	7259-06505	3/4-16	7/16-20	.10
8MJ-5MJ	7259-09085	3/4-16	1/2-20	.10
8MJ-6MJ	7259-00075	3/4-16	9/16-18	.14
8MJ-8MJ	7259-06275	3/4-16	3/4-16	.12
8MJ-10MJ	7253-33825	3/4-16	7/8-14	.20
10MJ-4MJ	7259-07195	7/8-14	7/16-20	.14
10MJ-6MJ	7259-07805	7/8-14	9/16-18	.14
10MJ-8MJ	7259-00375	7/8-14	3/4-16	.18
10MJ-10MJ	7259-10225	7/8-14	7/8-14	.21
10MJ-12MJ	7253-33835	7/8-14	1 1/16-12	.30
12MJ-4MJ	7259-09095	1 1/16-12	7/16-20	.23
12MJ-6MJ	7259-08455	1 1/16-12	9/16-18	.23
12MJ-8MJ	7259-77815	1 1/16-12	3/4-16	.26
12MJ-10MJ	7259-00565	1 1/16-12	7/8-14	.28
12MJ-12MJ	7259-10235	1 1/16-12	1 1/16-12	.32
14MJ-12MJ	7259-09105	1 3/16-12	1 1/16-12	.35
14MJ-14MJ	7259-77825	1 3/16-12	1 3/16-12	.40
16MJ-8MJ	7259-07205	1 5/16-12	3/4-16	.34
16MJ-10MJ	7259-07505	1 5/16-12	7/8-14	.38
16MJ-12MJ	7259-77835	1 5/16-12	1 1/16-12	.42
16MJ-16MJ	7259-10655	1 5/16-12	1 5/16-12	.45
20MJ-12MJ	7259-09115	1 5/8-12	1 1/16-12	.60
20MJ-16MJ	7259-06555	1 5/8-12	1 5/16-12	.63
20MJ-20MJ	7259-11145	1 5/8-12	1 5/8-12	1.59
24MJ-12MJ	7259-09125	1 7/8-12	1 1/16-12	.88
24MJ-20MJ	7259-09135	1 7/8-12	1 5/8-12	.94
24MJ-24MJ	7259-33845	1 7/8-12	1 7/8-12	1.00
32MJ-32MJ	7259-33855	2 1/2-12	2 1/2-12	2.19

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





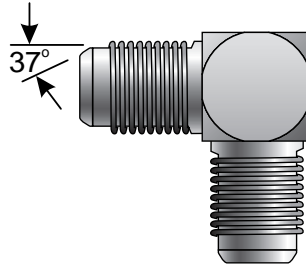



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# SAE to SAE

## Male JIC 37° Flare to Male JIC 37° Flare - 90°

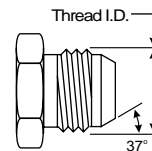
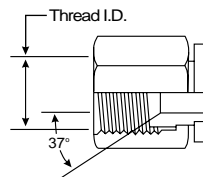
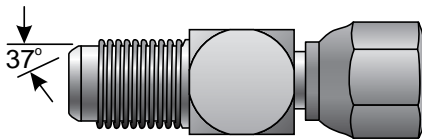
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight
		"	"	Lbs.
2MJ-2MJ90	7259-09145	5/16-24	5/16-24	.03
4MJ-4MJ90	7259-77845	7/16-20	7/16-20	.08
5MJ-5MJ90	7259-05865	1/2-20	1/2-20	.08
6MJ-4MJ90	7259-07925	9/16-18	7/16-20	.09
6MJ-6MJ90	7259-77855	9/16-18	9/16-18	.10
8MJ-6MJ90	7259-06745	3/4-16	9/16-18	.20
8MJ-8MJ90	7259-77865	3/4-16	3/4-16	.21
10MJ-10MJ90	7259-77875	7/8-14	7/8-14	.32
12MJ-12MJ90	7259-77885	1 1/16-12	1 1/16-12	.49
14MJ-14MJ90	7259-08275	1 3/16-12	1 3/16-12	.79
16MJ-12MJ90	7259-09155	1 5/16-12	1 1/16-12	.79
16MJ-16MJ90	7259-77895	1 5/16-12	1 5/16-12	.77
20MJ-20MJ90	7259-07095	1 5/8-12	1 5/8-12	1.28
24MJ-24MJ90	7259-07105	1 7/8-12	1 7/8-12	2.08
32MJ-32MJ90	7259-08465	2 1/2-12	2 1/2-12	4.41

## Male JIC 37° Flare to Female JIC 37° Flare

For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight
		"	"	Lbs.
4MJ-6FJ	7259-33865	7/16-20	9/16-18	.06
5MJ-4FJ	7259-07445	1/2-20	7/16-20	.04
5MJ-6FJ	7259-09175	1/2-20	9/16-18	.06
6MJ-4FJ	7259-00015	9/16-18	7/16-20	.06
6MJ-6FJ	7259-09195	9/16-18	9/16-18	.05
6MJ-8FJ	7259-33875	9/16-18	3/4-16	.12
6MJ-10FJ	7259-33885	9/16-18	7/8-14	.13



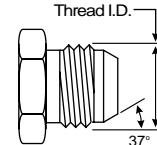
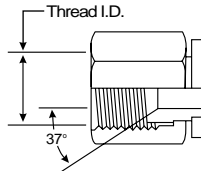
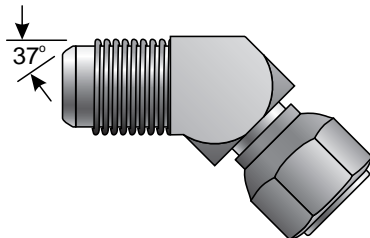
# SAE to SAE


## Male JIC 37° Flare to Female JIC 37° Flare - Cont'd

Descr.	Prod. No.			Weight Lbs.
		"	"	
8MJ-4FJ	7259-00935	3/4-16	7/16-20	.12
8MJ-8FJ	7259-06135	3/4-16	3/4-16	.20
8MJ-10FJ	7253-33895	3/4-16	7/8-14	.14
8MJ-12FJ	7259-33905	3/4-16	3/4-16	.32
10MJ-4FJ	7259-05915	7/8-14	7/16-20	.13
10MJ-6FJ	7259-05375	7/8-14	9/16-18	.13
10MJ-8FJ	7259-00705	7/8-14	3/4-16	.15
10MJ-12FJ	7259-33915	7/8-14	1 1/16-12	.30
10MJ-16FJ	7259-33925	7/8-14	1 5/16-12	.38
12MJ-4FJ	7259-05235	1 1/16-12	7/16-20	.13
12MJ-6FJ	7259-00145	1 1/16-12	9/16-18	.20
12MJ-8FJ	7259-00115	1 1/16-12	3/4-16	.23
12MJ-12FJ	7259-09205	1 1/16-12	1 1/16-12	.30
12MJ-16FJ	7253-33935	1 1/16-12	1 5/16-12	.35
12MJ-20FJ	7253-33945	1 1/16-12	1 5/8-12	.76
16MJ-16FJ	7259-09215	1 5/16-12	1 5/16-12	.39
16MJ-20FJ	7259-33955	1 5/16-12	1 5/8-12	.75
20MJ-16FJ	7259-05085	1 5/8-12	1 5/16-12	.72

## Male JIC 37° Flare to Female JIC 37° Flare Swivel - 45°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
4MJ-4FJX45	7259-23215	7/16-20	7/16-20	.06
5MJ-5FJX45	7259-33965	1/2-20	1/2-20	.08
6MJ-6FJX45	7259-23225	9/16-18	9/16-18	.10
8MJ-8FJX45	7259-23235	3/4-16	3/4-16	.19
10MJ-10FJX45	7259-23245	7/8-14	7/8-14	.26
12MJ-12FJX45	7259-23255	1 1/16-12	1 1/16-12	.67
14MJ-14FJX45	7259-06995	1 3/16-12	1 3/16-12	.69
16MJ-16FJX45	7259-23265	1 5/16-12	1 5/16-12	.66
20MJ-20FJX45	7259-23275	1 5/8-12	1 5/8-12	1.61
24MJ-24FJX45	7259-05455	1 7/8-12	1 7/8-12	1.87
32MJ-32FJX45	7259-07935	2 1/2-12	2 1/2-12	6.62

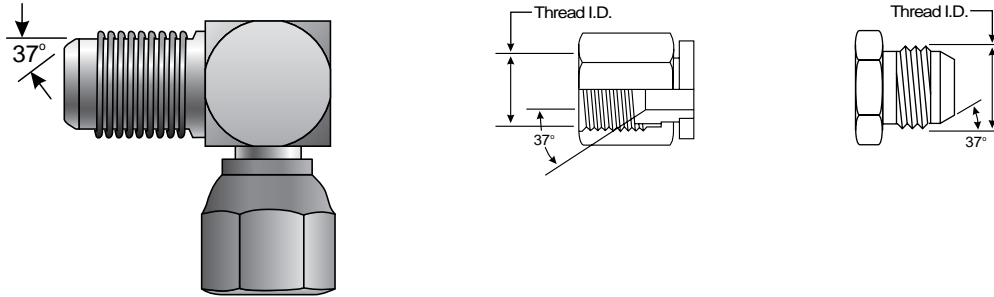
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS




## SAE to SAE

### Male JIC 37° Flare to Female JIC 37° Flare Swivel - 90°

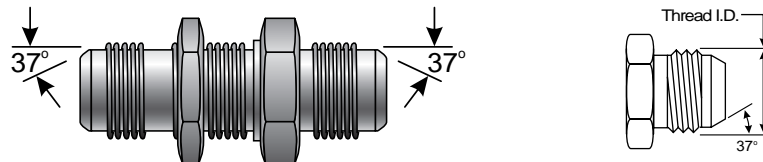
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight Lbs.
		"	"	
4MJ-4FJX90	7259-23285	7/16-20	7/16-20	.07
5MJ-5FJX90	7259-24025	1/2-20	1/2-20	.09
6MJ-4FJX90	7259-06905	9/16-18	7/16-20	.11
6MJ-6FJX90	7259-23295	9/16-18	9/16-18	.13
8MJ-6FJX90	7259-06205	3/4-16	9/16-18	.20
8MJ-8FJX90	7259-23305	3/4-16	3/4-16	.25
8MJ-10FJX90	7259-06385	3/4-16	3/4-16	.35
10MJ-10FJX90	7259-23315	7/8-14	7/8-14	.35
12MJ-12FJX90	7259-23325	1 1/16-12	1 1/16-12	.51
14MJ-14FJX90	7259-06215	1 3/16-12	1 3/16-12	.79
16MJ-16FJX90	7259-23335	1 5/16-12	1 5/16-12	.85
20MJ-20FJX90	7259-24075	1 5/8-12	1 5/8-12	1.50
24MJ-24FJX90	7259-24085	1 7/8-12	1 7/8-12	1.87
32MJ-32FJX90	7259-24095	2 1/2-12	2 1/2-12	4.72

### Male JIC 37° Flare to Male JIC 37° Flare Bulkhead


For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
3MJ-3BKHD	7259-09295	3/8-24		.05
4MJ-4BKHD	7259-24505	7/16-20		.09
5MJ-5BKHD	7259-24515	1/2-20		.16
6MJ-6BKHD	7259-24525	9/16-18		.11
8MJ-8BKHD	7259-24535	3/4-16		.21
10MJ-10BKHD	7259-24545	7/8-14		.31
12MJ-12BKHD	7259-24555	1 1/16-12		.51
14MJ-14BKHD	7259-08495	1 3/16-12		.79

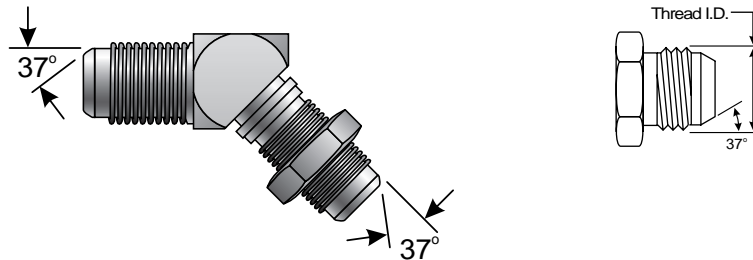
# SAE to SAE


## Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - Cont'd

Descr.	Prod. No.		Weight
16MJ-16BKHD	7259-24565	1 5/16-12	.67
20MJ-20BKHD	7259-34155	1 5/8-12	1.32
24MJ-24BKHD	7259-34165	1 7/8-12	1.35

## Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - 45°

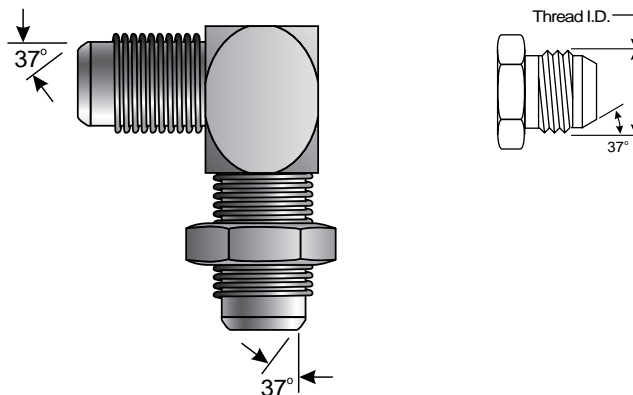
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight
4MJ-4BKHD45	7259-34175	7/16-20	.08
5MJ-5BKHD45	7259-34185	1/2-20	.10
6MJ-6BKHD45	7259-34195	9/16-18	.10
8MJ-8BKHD45	7259-34205	3/4-16	.23
10MJ-10BKHD45	7259-34215	7/8-14	.34
12MJ-12BKHD45	7259-34225	1 1/16-12	.56
16MJ-16BKHD45	7259-34235	1 5/16-12	.83

## Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - 90°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight
4MJ-4BKHD90	7259-34255	7/16-20	.09
5MJ-5BKHD90	7259-34265	1/2-20	.13

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.


gates.com/hydraulics

R29



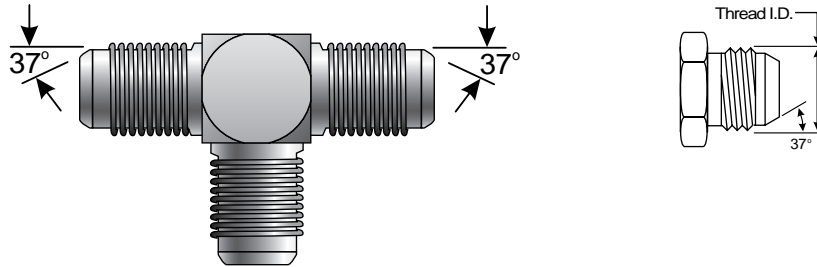
# SAE to SAE


## Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - 90° - Cont'd

Descr.	Prod. No.		Weight
6MJ-6BKHD90	7259-34275	9/16-18	.14
8MJ-8BKHD90	7259-34285	3/4-16	.30
10MJ-10BKHD90	7259-34295	7/8-14	.42
12MJ-12BKHD90	7259-34305	1 1/16-12	.75
14MJ-14BKHD90	7259-09315	1 3/16-12	1.05
16MJ-16BKHD90	7259-34315	1 5/16-12	1.01
20MJ-20BKHD90	7259-34325	1 5/8-12	1.75
24MJ-24BKHD90	7259-09325	1 7/8-12	2.65

### Male JIC 37° Flare Tee

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight
2MJ-2MJ-2MJ	7259-77905	5/16-24	.04
3MJ-3MJ-3MJ	7259-08095	3/8-24	.07
4MJ-4MJ-4MJ	7259-23345	7/16-20	.12
5MJ-5MJ-5MJ	7259-34335	1/2-20	.10
6MJ-6MJ-6MJ	7259-23355	9/16-18	.13
6MJ-6MJ-8MJ	7253-34345	9/16-18	.32
8MJ-8MJ-8MJ	7259-23365	3/4-16	.25
10MJ-10MJ-10MJ	7259-23375	7/8-14	.42
12MJ-12MJ-12MJ	7259-23385	1 1/16-12	.66
14MJ-14MJ-14MJ	7259-09335	1 3/16-12	1.01
16MJ-16MJ-12MJ	7259-34365	1 5/16-12	.95
16MJ-16MJ-16MJ	7259-23395	1 5/16-12	.95
20MJ-20MJ-20MJ	7259-23405	1 5/8-12	1.98
24MJ-24MJ-24MJ	7259-07555	1 7/8-12	2.65
32MJ-32MJ-32MJ	7259-07455	2 1/2-12	6.62

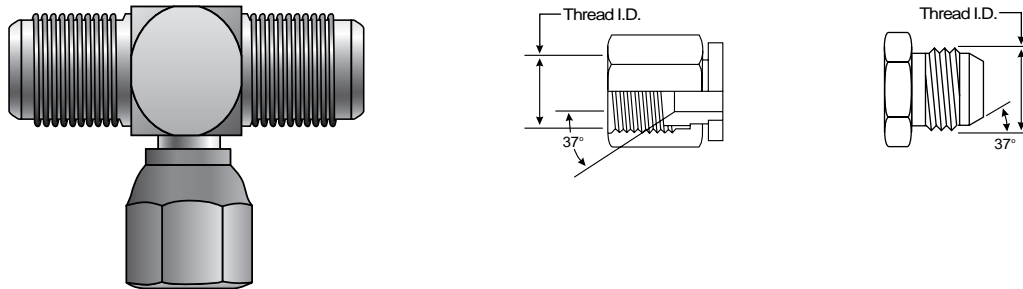
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS




# SAE to SAE

## Male JIC 37° Flare on Run to Female JIC 37° Flare Swivel - Tee

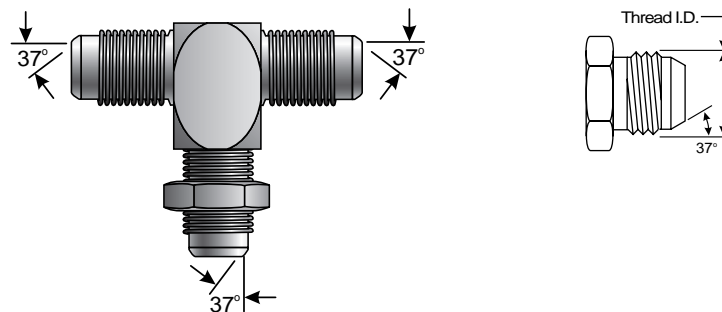
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight Lbs.
		"	"	
4MJ-4MJ-4FJX	7259-24805	7/16-20	7/16-20	.10
5MJ-5MJ-5FJX	7259-06535	1/2-20	1/2-20	.17
6MJ-6MJ-6FJX	7259-24815	9/16-18	9/16-18	.17
8MJ-8MJ-8FJX	7259-24825	3/4-16	3/4-16	.30
10MJ-10MJ-10FJX	7259-34405	7/8-14	7/8-14	.44
12MJ-12MJ-12FJX	7259-24835	1 1/16-12	1 1/16-12	.72
14MJ-14MJ-14FJX	7259-07945	1 3/16-12	1 3/16-12	.99
16MJ-16MJ-16FJX	7259-24845	1 5/16-12	1 5/16-12	.93
20MJ-20MJ-20FJX	7259-34415	1 5/8-12	1 5/8-12	1.98
24MJ-24MJ-24FJX	7259-08505	1 7/8-12	1 7/8-12	2.50
32MJ-32MJ-32FJX	7259-09345	2 1/2-12	2 1/2-12	5.67

## Male JIC 37° Flare on Run to Male JIC 37° Flare Bulkhead - Tee

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	
4MJ-4MJ-4BKHD	7259-34425	7/16-20	7/16-20	.10
5MJ-5MJ-5BKHD	7259-34435	1/2-20	1/2-20	.14
6MJ-6MJ-6BKHD	7259-34445	9/16-18	9/16-18	.16

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



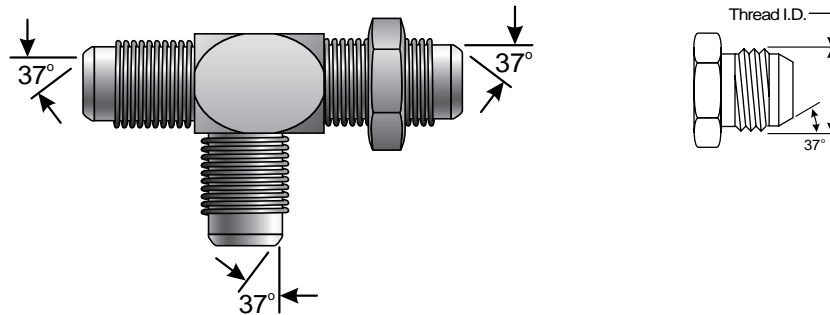
# SAE to SAE

## Male JIC 37° Flare on Run to Male JIC 37° Flare Bulkhead - Tee - Cont'd

Descr.	Prod. No.		Weight
8MJ-8MJ-8BKHD	7259-34455	3/4-16	.36
10MJ-10MJ-10BKHD	7259-34465	7/8-14	.53
12MJ-12MJ-12BKHD	7259-34475	1 1/16-12	.90
16MJ-16MJ-16BKHD	7259-34485	1 5/16-12	1.40

## Male JIC 37° Flare to Male JIC 37° Flare Bulkhead to Male JIC 37° Flare - Tee

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight
4MJ-4BKHD-4MJ	7259-34495	7/16-20	.10
6MJ-6BKHD-6MJ	7259-34515	9/16-18	.17
8MJ-8BKHD-8MJ	7259-34525	3/4-16	.35
10MJ-10BKHD-10MJ	7259-34535	7/8-14	.55
12MJ-12BKHD-12MJ	7259-34545	1 1/16-12	.86
16MJ-16BKHD-16MJ	7259-34555	1 5/16-12	1.25

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

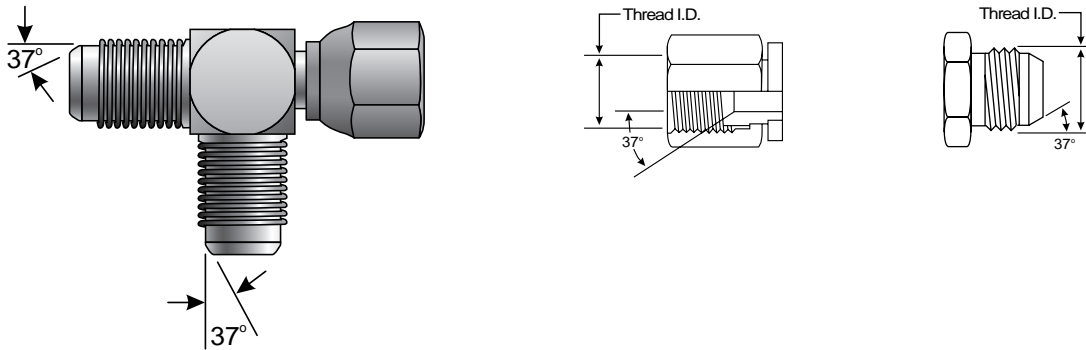
ACCESSORIES


EQUIPMENT AND PARTS

# SAE to SAE

## Male JIC 37° Flare to Female JIC 37° Flare Swivel to Male JIC 37° Flare - Tee

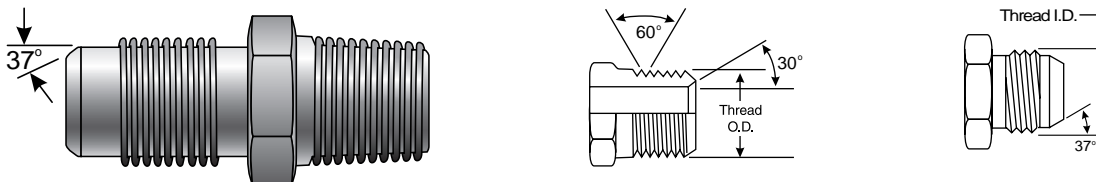
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight Lbs.
		"	"	
4MJ-4FJX-4MJ	7259-24705	7/16-20	7/16-20	.09
5MJ-5FJX-5MJ	7259-77915	1/2-20	1/2-20	.12
6MJ-6FJX-6MJ	7259-24725	9/16-18	9/16-18	.15
8MJ-8FJX-8MJ	7259-24735	3/4-16	3/4-16	.29
10MJ-10FJX-10MJ	7259-24745	7/8-14	7/8-14	.40
12MJ-12FJX-12MJ	7259-24755	1 1/16-12	1 1/16-12	.72
14MJ-14FJX-14MJ	7259-08325	1 3/16-12	1 3/16-12	1.01
16MJ-16FJX-16MJ	7259-24765	1 5/16-12	1 5/16-12	.94
20MJ-20FJX-20MJ	7259-77925	1 5/8-12	1 5/8-12	1.98
24MJ-24FJX-24MJ	7259-07955	1 7/8-12	1 7/8-12	2.50
32MJ-32FJX-32MJ	7259-09355	2 1/2-12	2 1/2-12	7.94

## Male JIC 37° Flare to Male Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
2MJ-2MP	7259-77935	5/16-24	1/8-27	.02
3MJ-2MP	7259-77945	3/8-24	1/8-27	.03
4MJ-2MP	7259-10085	7/16-20	1/8-27	.04
4MJ-4MP	7259-04195	7/16-20	1/4-18	.07
4MJ-6MP	7259-10385	7/16-20	3/8-18	.09
4MJ-8MP	7259-70455	7/16-20	1/2-14	.12

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS








SAE to SAE

Male JIC 37° Flare to Male Pipe NPTF - Cont'd

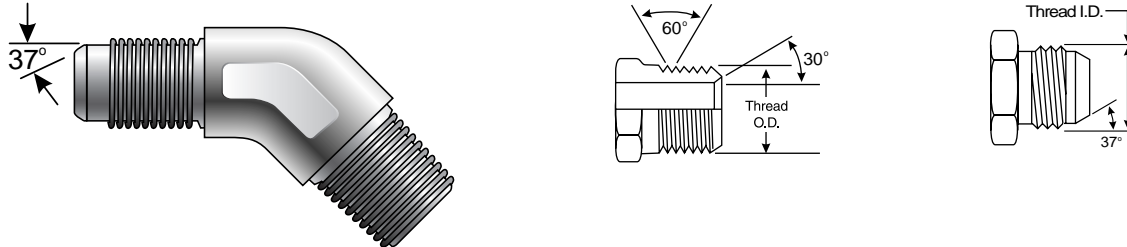
Equip. Selection	Descr.	Prod. No.			Weight Lbs.
			"	"	
G8K COUPLINGS	4MJ-12MP	7259-07215	7/16-20	3/4-14	.21
	5MJ-2MP	7259-10995	1/2-20	1/8-27	.05
GLOBALSPIRAL COUPLINGS	5MJ-4MP	7259-10415	1/2-20	1/4-18	.09
	5MJ-6MP	7259-25665	1/2-20	3/8-18	.09
PCM/PCS FERRULES	5MJ-8MP	7259-07835	1/2-20	1/2-14	.15
	6MJ-2MP	7259-10565	9/16-18	1/8-27	.06
MEGACRIMP COUPLINGS	6MJ-4MP	7259-25635	9/16-18	1/4-18	.18
	6MJ-6MP	7259-04225	9/16-18	3/8-18	.08
STAINLESS STEEL	6MJ-8MP	7259-10205	9/16-18	1/2-14	.14
	6MJ-12MP	7259-00425	9/16-18	3/4-14	.20
POWER CRIMP COUPLINGS	8MJ-2MP	7259-09875	3/4-16	1/8-27	.10
	8MJ-4MP	7259-10435	3/4-16	1/4-18	.10
LOC, GL AND GLP COUPLINGS	8MJ-6MP	7259-10105	3/4-16	3/8-18	.16
	8MJ-8MP	7259-04235	3/4-16	1/2-14	.17
POLARSEAL COUPLINGS	8MJ-12MP	7259-10545	3/4-16	3/4-14	.26
	8MJ-16MP	7259-05835	3/4-16	1-11 1/2	.53
POLARSEAL II COUPLINGS	10MJ-4MP	7259-07965	7/8-14	1/4-18	.38
	10MJ-6MP	7259-10785	7/8-14	3/8-18	.18
C14 COUPLINGS	10MJ-8MP	7259-25715	7/8-14	1/2-14	.18
	10MJ-12MP	7259-10595	7/8-14	3/4-14	.26
PCTS THERMO-PLASTIC COUPLINGS	12MJ-6MP	7259-07225	1 1/16-12	3/8-18	.21
	12MJ-8MP	7259-10255	1 1/16-12	1/2-14	.30
FIELD ATTACHABLE G1 AND G2 COUPLINGS	12MJ-12MP	7259-25735	1 1/16-12	3/4-14	.28
	12MJ-16MP	7259-10355	1 1/16-12	1-11 1/2	.62
FIELD ATTACHABLE C5 AND C5E COUPLINGS	12MJ-20MP	7259-05765	1 1/16-12	1 1/4-11 1/2	.56
	12MJ-24MP	7259-07665	1 1/16-12	1 1/2-11 1/2	.77
SURELOK AIR BRAKE COUPLINGS	14MJ-12MP	7259-77965	1 3/16-12	3/4-14	.32
	14MJ-16MP	7259-07975	1 3/16-12	1-11 1/2	.51
ADAPTERS	16MJ-8MP	7259-06095	1 5/16-12	1/2-14	.36
	16MJ-12MP	7259-10485	1 5/16-12	3/4-14	.42
QUICK DISCONNECT COUPLERS	16MJ-16MP	7259-04275	1 5/16-12	1-11 1/2	.46
	16MJ-20MP	7259-34565	1 5/16-12	1 1/4-11 1/2	.77
LIVE SWIVEL	16MJ-24MP	7259-06065	1 5/16-12	1 1/2-11 1/2	.80
	20MJ-12MP	7259-07675	1 5/8-12	3/4-14	.60
BALL VALVES	20MJ-16MP	7259-11465	1 5/8-12	1-11 1/2	.79
	20MJ-20MP	7259-10465	1 5/8-12	1 1/4-11 1/2	.79
ACCESSORIES	20MJ-24MP	7259-34575	1 5/8-12	1 1/2-11 1/2	.99
	24MJ-16MP	7259-07125	1 7/8-12	1-11 1/2	1.40
EQUIPMENT AND PARTS	24MJ-20MP	7259-34585	1 7/8-12	1 1/4-11 1/2	.99
	24MJ-24MP	7259-11245	1 7/8-12	1 1/2-11 1/2	.89
	24MJ-32MP	7259-09375	1 7/8-12	2-11 1/2	1.80
	32MJ-16MP	7259-09385	2 1/2-12	1-11 1/2	1.66
	32MJ-20MP	7259-09395	2 1/2-12	1 1/4-11 1/2	1.78
	32MJ-24MP	7259-34595	2 1/2-12	1 1/2-11 1/2	1.80
	32MJ-32MP	7259-11365	2 1/2-12	2-11 1/2	1.98




# SAE to SAE

## Male JIC 37° Flare to Male Pipe NPTF - 45°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
2MJ-2MP45	7259-09415	5/16-24	1/8-27	.03
3MJ-2MP45	7259-77975	3/8-24	1/8-27	.05
4MJ-2MP45	7259-10505	7/16-20	1/8-27	.04
4MJ-4MP45	7259-10825	7/16-20	1/4-18	.07
4MJ-6MP45	7259-34605	7/16-20	3/8-18	.11
4MJ-8MP45	7259-09425	7/16-20	1/2-14	.15
5MJ-2MP45	7259-11635	1/2-20	1/8-27	.07
5MJ-4MP45	7259-11265	1/2-20	1/4-18	.07
5MJ-6MP45	7259-07685	1/2-20	3/8-18	.12
6MJ-2MP45	7259-77985	9/16-18	1/8-27	.07
6MJ-4MP45	7259-10925	9/16-18	1/4-18	.07
6MJ-6MP45	7259-10715	9/16-18	3/8-18	.11
6MJ-8MP45	7259-11135	9/16-18	1/2-14	.08
6MJ-12MP45	7259-07315	9/16-18	3/4-14	.28
8MJ-4MP45	7259-77995	3/4-16	1/4-18	.13
8MJ-6MP45	7259-10695	3/4-16	3/8-18	.15
8MJ-8MP45	7259-10495	3/4-16	1/2-14	.22
8MJ-12MP45	7259-11395	3/4-16	3/4-14	.26
10MJ-6MP45	7259-11505	7/8-14	3/8-18	.20
10MJ-8MP45	7259-10395	7/8-14	1/2-14	.21
10MJ-12MP45	7259-34615	7/8-14	3/4-14	.31
12MJ-8MP45	7259-11375	1 1/16-12	1/2-14	.33
12MJ-12MP45	7259-10845	1 1/16-12	3/4-14	.36
12MJ-16MP45	7259-05775	1 1/16-12	1-11 1/2	.66
14MJ-12MP45	7259-09885	1 3/16-12	3/4-14	.70
16MJ-8MP45	7259-09435	1 5/16-12	1/2-14	.51
16MJ-12MP45	7259-11585	1 5/16-12	3/4-14	.52
16MJ-16MP45	7259-11035	1 5/16-12	1-11 1/2	.56
16MJ-20MP45	7259-07845	1 5/16-12	1 1/4-11 1/2	.88
20MJ-16MP45	7259-07985	1 5/8-12	1-11 1/2	.99
20MJ-20MP45	7259-11485	1 5/8-12	1 1/4-11 1/2	.87
20MJ-24MP45	7259-08105	1 5/8-12	1 1/2-11 1/2	1.05
24MJ-24MP45	7259-11695	1 7/8-12	1 1/2-11 1/2	.90
32MJ-32MP45	7259-11675	2 1/2-12	2-11 1/2	2.79

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

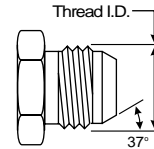
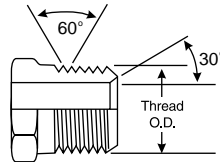
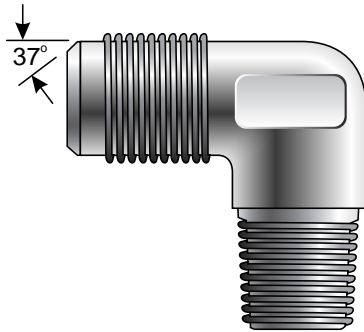




# SAE to SAE

## Male JIC 37° Flare to Male Pipe NPTF - 90°

For use up to SAE 100R2 maximum working pressure.




Equip. Selection	Descr.	Prod. No.	Coupling		Weight Lbs.
			"	"	
POLARSEAL COUPLINGS	2MJ-2MP90	7259-11755	5/16-24	1/8-27	.04
	3MJ-2MP90	7259-78005	3/8-24	1/8-27	.05
POLARSEAL II COUPLINGS	4MJ-2MP90	7259-10175	7/16-20	1/8-27	.06
	4MJ-4MP90	7259-10195	7/16-20	1/4-18	.10
	4MJ-6MP90	7259-34645	7/16-20	3/8-18	.17
C14 COUPLINGS	4MJ-8MP90	7259-09815	7/16-20	1/2-14	.25
	4MJ-12MP90	7259-07695	7/16-20	3/4-14	.46
PCTS THERMO-PLASTIC COUPLINGS	5MJ-2MP90	7259-11425	1/2-20	1/8-27	.07
	5MJ-4MP90	7259-11045	1/2-20	1/4-18	.10
	5MJ-6MP90	7259-34655	1/2-20	3/8-18	.17
FIELD ATTACHABLE G1 AND G2 COUPLINGS	6MJ-2MP90	7259-11085	9/16-18	1/8-27	.09
	6MJ-4MP90	7259-28385	9/16-18	1/4-18	.10
	6MJ-6MP90	7259-28185	9/16-18	3/8-18	.20
FIELD ATTACHABLE C5 AND C5E COUPLINGS	6MJ-8MP90	7259-10185	9/16-18	1/2-14	.24
	6MJ-12MP90	7259-05545	9/16-18	3/4-14	.44
	8MJ-4MP90	7259-11025	3/4-16	1/4-18	.20
	8MJ-6MP90	7259-10165	3/4-16	3/8-18	.20
SURELOK AIR BRAKE COUPLINGS	8MJ-8MP90	7259-28205	3/4-16	1/2-14	.28
	8MJ-12MP90	7259-10275	3/4-16	3/4-14	.44
	8MJ-16MP90	7259-07575	3/4-16	1-11 1/2	.55
	10MJ-6MP90	7259-11195	7/8-14	3/8-18	.29
ADAPTERS	10MJ-8MP90	7259-28375	7/8-14	1/2-14	.30
	10MJ-12MP90	7259-10555	7/8-14	3/4-14	.42
	10MJ-16MP90	7259-07705	7/8-14	1-11 1/2	.71
	12MJ-6MP90	7259-07995	1 1/16-12	3/8-18	.46
QUICK DISCONNECT COUPLERS	12MJ-8MP90	7259-10795	1 1/16-12	1/2-14	.83
	12MJ-12MP90	7259-28395	1 1/16-12	3/4-14	.49
	12MJ-16MP90	7259-34665	1 1/16-12	1-11 1/2	.75
	12MJ-20MP90	7259-06835	1 1/16-12	1 1/4-11 1/2	1.32
LIVE SWIVEL	14MJ-8MP90	7259-09445	1 3/16-12	1/2-14	.79
	14MJ-12MP90	7259-07585	1 3/16-12	3/4-14	.72
BALL VALVES	16MJ-8MP90	7259-09455	1 5/16-12	1/2-14	.84
	16MJ-12MP90	7259-11205	1 5/16-12	3/4-14	.84
ACCESSORIES	16MJ-16MP90	7259-28405	1 5/16-12	1-11 1/2	.74
	16MJ-20MP90	7259-34675	1 5/16-12	1 1/4-11 1/2	1.22



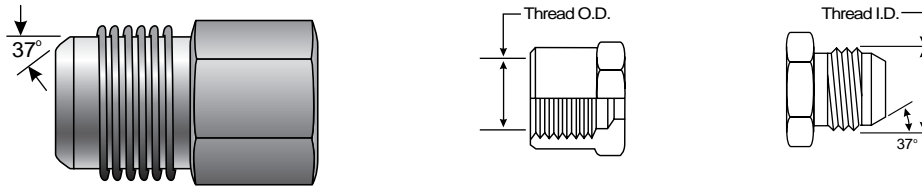
# SAE to SAE


## Male JIC 37° Flare to Male Pipe NPTF - 90° - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
16MJ-24MP90	7259-07715	1 5/16-12	1 1/2-11 1/2	1.71
20MJ-16MP90	7259-11565	1 5/8-12	1-11 1/2	1.43
20MJ-20MP90	7259-10905	1 5/8-12	1 1/4-11 1/2	1.30
24MJ-20MP90	7259-34695	1 7/8-12	1 1/4-11 1/2	1.83
24MJ-24MP90	7259-11445	1 7/8-12	1 1/2-11 1/2	1.69
32MJ-24MP90	7259-08335	2 1/2-12	1 1/2-11 1/2	4.18
32MJ-32MP90	7259-11685	2 1/2-12	2-11 1/2	2.98

## Male JIC 37° Flare to Female Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
2MJ-2FP	7259-78015	5/16-24	1/8-27	.05
3MJ-2FP	7259-08515	3/8-24	1/8-27	.04
3MJ-4FP	7259-08525	3/8-24	1/4-18	.09
4MJ-2FP	7259-11165	7/16-20	1/8-27	.04
4MJ-4FP	7259-10965	7/16-20	1/4-18	.09
4MJ-6FP	7259-06915	7/16-20	3/8-18	.20
4MJ-8FP	7259-09475	7/16-20	1/2-14	.37
5MJ-2FP	7259-11665	1/2-20	1/8-27	.04
5MJ-4FP	7259-11615	1/2-20	1/4-18	.09
6MJ-2FP	7259-09485	9/16-18	1/8-27	.07
6MJ-4FP	7259-10515	9/16-18	1/4-18	.11
6MJ-6FP	7259-10685	9/16-18	3/8-18	.13
6MJ-8FP	7259-34715	9/16-18	1/2-14	.26
8MJ-4FP	7259-09495	3/4-16	1/4-18	.14
8MJ-6FP	7259-10945	3/4-16	3/8-18	.14
8MJ-8FP	7259-10605	3/4-16	1 7/8-12	.26
8MJ-12FP	7259-34725	3/4-16	3/4-14	.56
10MJ-6FP	7259-34735	7/8-14	3/8-18	.23
10MJ-8FP	7259-10805	7/8-14	1/2-14	.28
10MJ-12FP	7259-34745	7/8-14	3/4-14	.41
12MJ-8FP	7259-34755	1 1/16-12	1/2-14	.33
12MJ-12FP	7259-10675	1 1/16-12	3/4-14	.40
12MJ-16FP	7259-06655	1 1/16-12	1-11 1/2	1.05
14MJ-12FP	7259-08345	1 3/16-12	3/4-14	.46
16MJ-12FP	7259-07005	1 5/16-12	3/4-14	.45
16MJ-16FP	7259-10985	1 5/16-12	1-11 1/2	.72
16MJ-20FP	7259-34765	1 5/16-12	1 1/4-11 1/2	.72

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS




Powering Progress.

gates.com/hydraulics

R37

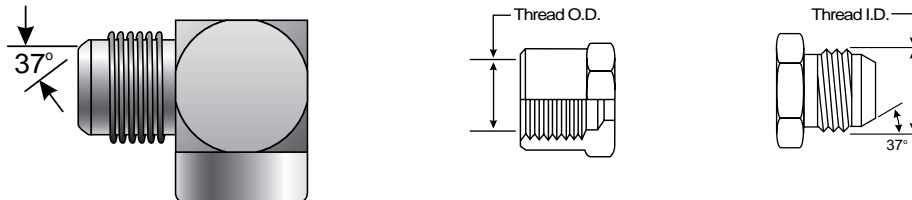
# SAE to SAE


## Male JIC 37° Flare to Female Pipe NPTF - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
20MJ-16FP	7259-08535	1 5/8-12	1-11 1/2	.78
20MJ-20FP	7259-25925	1 5/8-12	1 1/4-11 1/2	.99
24MJ-24FP	7259-25935	1 7/8-12	1 1/2-11 1/2	1.44
32MJ-32FP	7259-34775	2 1/2-12	2-11 1/2	2.65

## Male JIC 37° Flare to Female Pipe NPTF - 90°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
4MJ-2FP90	7259-25105	7/16-20	1/8-27	.08
4MJ-4FP90	7259-34785	7/16-20	1/4-18	.17
5MJ-2FP90	7259-07365	1/2-20	1/8-27	.08
5MJ-4FP90	7259-34805	1/2-20	1/4-18	.17
6MJ-2FP90	7259-09505	9/16-18	1/8-27	.09
6MJ-4FP90	7259-25115	9/16-18	1/4-18	.26
6MJ-6FP90	7259-34825	9/16-18	3/8-18	.25
6MJ-8FP90	7259-00405	9/16-18	1/2-14	.40
8MJ-4FP90	7259-09515	3/4-16	1/4-18	.32
8MJ-6FP90	7259-25125	3/4-16	3/8-18	.25
8MJ-8FP90	7259-34835	3/4-16	1/2-14	.39
10MJ-8FP90	7259-25135	7/8-14	1/2-14	.41
12MJ-8FP90	7259-34845	1 1/16-12	1/2-14	.86
12MJ-12FP90	7259-25145	1 1/16-12	3/4-14	.72
14MJ-12FP90	7259-09525	1 3/16-12	3/4-14	.72
16MJ-16FP90	7259-25155	1 5/16-12	1-11 1/2	1.40
20MJ-20FP90	7259-34855	1 5/8-12	1 1/4-11 1/2	1.55
24MJ-24FP90	7259-07725	1 7/8-12	1 1/2-11 1/2	4.13

EQUIPMENT

HOSE/CPLG.  
SELECTIONG8K  
COUPLINGSGLOBALSPIRAL  
COUPLINGSPCM/PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER  
CRIMP  
COUPLINGSLOC, GL AND  
GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL  
II COUPLINGSC14  
COUPLINGSPCTS  
THERMO-  
PLASTIC  
COUPLINGSFIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGSFIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

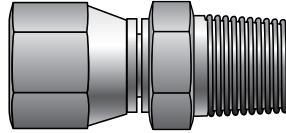
ACCESSORIES


EQUIPMENT  
AND PARTS

# SAE to SAE

## Female JIC 37° Flare Swivel to Male Pipe NPTF

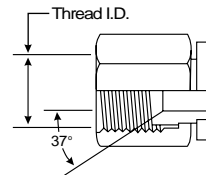
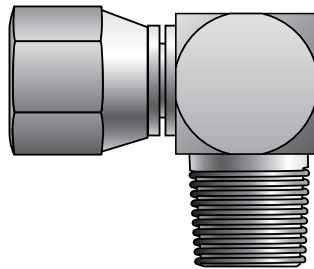
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight Lbs.
		"	"	
4FJX-2MP	7253-34865	7/16-20	1/8-27	.04
4FJX-4MP	7259-34875	7/16-20	1/4-18	.07
6FJX-4MP	7259-34885	9/16-18	1/4-18	.08
6FJX-6MP	7259-34895	9/16-18	3/8-18	.11
8FJX-6MP	7259-34905	3/4-16	3/8-18	.15
8FJX-8MP	7259-34915	3/4-16	1/2-14	.15
12FJX-12MP	7259-34925	1 1/16-12	3/4-14	.34
16FJX-16MP	7253-34935	1 5/16-12	1-11 1/2	.60
20FJX-20MP	7259-34945	1 5/8-12	1 1/4-11 1/2	.86

## Female JIC 37° Flare Swivel to Male Pipe NPTF - 90°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight Lbs.
		"	"	
4FJX-2MP90	7253-34955	7/16-20	1/8-27	.08
4FJX-4MP90	7259-05325	7/16-20	1/4-18	.10
6FJX-4MP90	7253-34965	9/16-18	1/4-18	.14
6FJX-6MP90	7253-34975	9/16-18	3/8-18	.20
8FJX-6MP90	7253-34985	3/4-16	3/8-18	.25
8FJX-8MP90	7253-34995	3/4-16	1/2-14	.32
10FJX-8MP90	7253-35015	7/8-14	1/2-14	.34
12FJX-12MP90	7253-35025	1 1/16-12	3/4-14	.58
16FJX-16MP90	7259-35285	1 5/16-12	1-11 1/2	.88
20FJX-20MP90	7259-35295	1 5/8-12	1 1/4-11 1/2	1.50
24FJX-24MP90	7259-35035	1 7/8-12	1 1/2-11 1/2	2.10

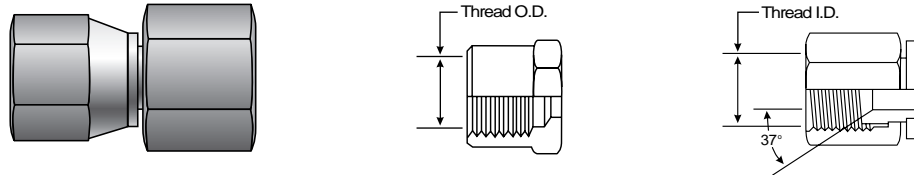
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS




# SAE to SAE

## Female JIC 37° Flare Swivel to Female Pipe NPTF

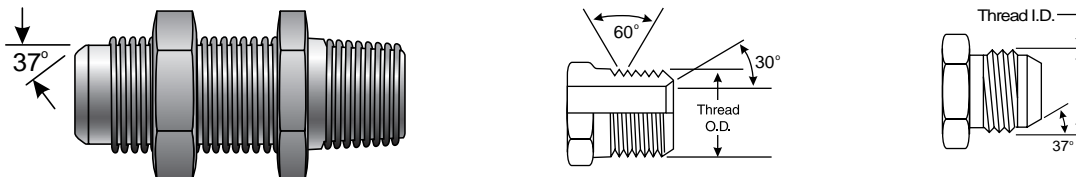
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight Lbs.
		"	"	
4FJX-2FP	7253-35045	7/16-20	1/8-27	.06
4FJX-4FP	7253-35055	7/16-20	1/4-18	.10
6FJX-6FP	7253-35075	9/16-18	3/8-18	.14
8FJX-6FP	7253-35095	3/4-16	3/8-18	.15
8FJX-8FP	7253-35105	3/4-16	1/2-14	.28
10FJX-8FP	7253-35115	7/8-14	1/2-14	.30
12FJX-12FP	7253-35125	1 1/16-12	3/4-14	.46
16FJX-16FP	7259-35135	1 5/16-12	1-11 1/2	.75
20FJX-20FP	7259-35145	1 5/8-12	1 1/4-11 1/2	1.26

## Male JIC 37° Flare Bulkhead to Male Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



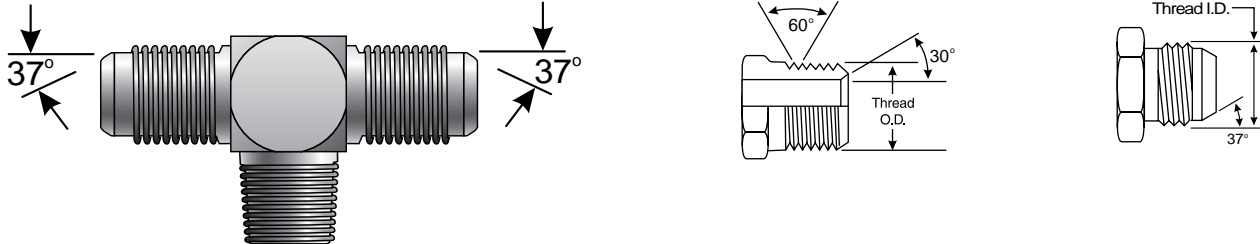
Descr.	Prod. No.			Weight Lbs.
		"	"	
4MJBKHD-2MP	7259-09945	7/16-20	1/8-27	.09
4MJBKHD-4MP	7259-35155	7/16-20	1/4-18	.10
6MJBKHD-4MP	7259-35165	9/16-18	1/4-18	.14
8MJBKHD-6MP	7259-35175	3/4-16	3/8-18	.24
8MJBKHD-8MP	7259-09905	3/4-16	1/2-14	.29
10MJBKHD-8MP	7259-35185	7/8-14	1/2-14	.35
12MJBKHD-8MP	7259-35275	1 1/16-12	1/2-14	.42
12MJBKHD-12MP	7259-35195	1 1/16-12	3/4-14	.60
16MJBKHD-16MP	7253-35205	1 5/16-12	1-11 1/2	.80
20MJBKHD-20MP	7259-09965	1 5/8-12	1 1/4-11 1/2	.93


- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

# SAE to SAE

## Male JIC 37° Flare on Run to Male Pipe NPTF - Tee

For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.				Weight Lbs.
		"	"	"	
3MJ-3MJ-2MP	7259-09605	3/8-24	3/8-24	1/8-27	.06
4MJ-4MJ-2MP	7259-23415	7/16-20	7/16-20	1/8-27	.07
4MJ-4MJ-4MP	7259-35215	7/16-20	7/16-20	1/4-18	.12
4MJ-4MJ-6MP	7259-05855	7/16-20	3/8-18	3/8-18	.19
5MJ-5MJ-2MP	7259-07385	1/2-20	1/2-20	1/8-27	.10
5MJ-5MJ-4MP	7259-35225	1/2-20	1/2-20	1/4-18	.13
6MJ-6MJ-4MP	7259-23425	9/16-18	9/16-18	1/4-18	.13
6MJ-6MJ-6MP	7259-35235	9/16-18	9/16-18	3/8-18	.29
6MJ-6MJ-8MP	7259-35245	9/16-18	9/16-18	1/2-14	.30
8MJ-8MJ-12MP	7259-09615	3/4-16	3/4-16	3/4-14	.57
8MJ-8MJ-6MP	7259-23435	3/4-16	3/4-16	3/8-18	.32
8MJ-8MJ-8MP	7259-35255	3/4-16	3/4-16	1/2-14	.35
10MJ-10MJ-8MP	7259-23445	7/8-14	7/8-14	1/2-14	.38
12MJ-12MJ-12MP	7259-23455	1 1/16-12	1 1/16-12	3/4-14	.61
12MJ-12MJ-16MP	7259-07735	1 1/16-12	1 1/16-12	1-11 1/2	.97
12MJ-12MJ-8MP	7259-07395	1 1/16-12	1 1/16-12	1/2-14	.63
14MJ-14MJ-12MP	7259-09625	1 3/16-12	1 3/16-12	3/4-14	.99
16MJ-16MJ-12MP	7259-09635	1 5/16-12	1 5/16-12	3/4-14	1.13
16MJ-16MJ-16MP	7259-23465	1 5/16-12	1 5/16-12	1-11 1/2	.92
20MJ-20MJ-20MP	7259-35265	1 5/8-12	1 5/8-12	1 5/8-12	1.76
24MJ-24MJ-24MP	7259-08355	1 7/8-12	1 7/8-12	1 1/2-11 1/2	2.65

## Female Flat-Face O-Ring Cap

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight
4FFOR-CAP	7253-32125	9/16-18	.04
6FFOR-CAP	7253-32135	11/16-16	.08
8FFOR-CAP	7253-32145	13/16-16	.12

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS








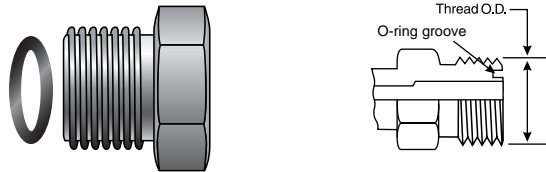
# SAE to SAE


## Female Flat-Face O-Ring Cap - Cont'd

Descr.	Prod. No.		Weight
10FFOR-CAP	7253-32155	1-14	.14
12FFOR-CAP	7253-32165	1 3/16-12	.26
16FFOR-CAP	7253-32175	1 7/16-12	.37
20FFOR-CAP	7253-32185	1 11/16-12	.54
24FFOR-CAP	7253-32195	2-12	.81

## Male Flat-Face O-Ring Plug

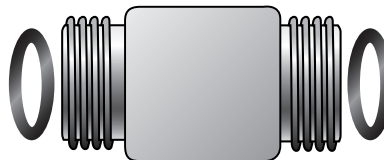
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight
4MFFOR-PLUG	7259-32045	9/16-18	.05
6MFFOR-PLUG	7259-32055	11/16-16	.08
8MFFOR-PLUG	7259-32065	13/16-16	.11
10MFFOR-PLUG	7259-32075	1-14	.22
12MFFOR-PLUG	7259-32085	1 3/16-12	.40
16MFFOR-PLUG	7259-32095	1 7/16-12	.45
20MFFOR-PLUG	7259-32105	1 11/16-12	.58
24MFFOR-PLUG	7259-32115	2-12	1.32
32MFFOR-PLUG	7259-09655	2 1/2-12	1.26

## Male Flat-Face O-Ring to Male Flat-Face O-Ring

For use up to SAE 100R2 maximum working pressure.



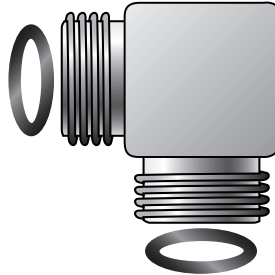
Descr.	Prod. No.			Weight
		"	"	Lbs.
4MFFOR-4MFFOR	7259-43965	9/16-18	9/16-18	.07
6MFFOR-4MFFOR	7259-43975	11/16-16	9/16-18	.10
6MFFOR-6MFFOR	7259-43985	11/16-16	11/16-16	.11
10MFFOR-10MFFOR	7259-44025	1-14	1-14	.28
12MFFOR-12MFFOR	7259-44045	1 3/16-12	1 3/16-12	.35
16MFFOR-16MFFOR	7259-44065	1 7/16-12	1 7/16-12	.61
20MFFOR-20MFFOR	7259-44075	1 11/16-12	1 11/16-12	.40
24MFFOR-24MFFOR	7259-44085	2-12	2-12	.40




# SAE to SAE

## Male Flat-Face O-Ring to Male Flat-Face O-Ring - 90°

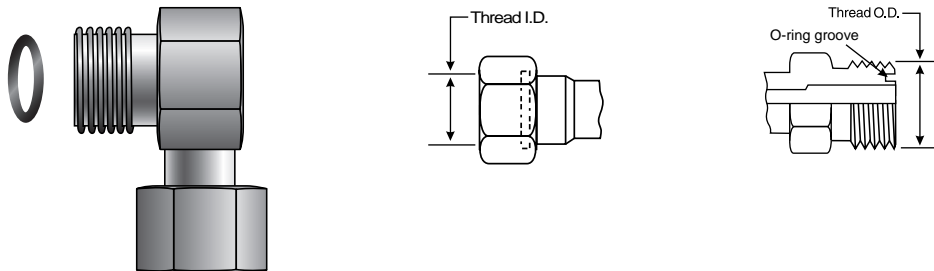
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight
4MFFOR-4MFFOR90	7259-44105	9/16-18	.08
8MFFOR-8MFFOR90	7259-44125	13/16-16	.22

## Male Flat-Face O-Ring to Female Flat-Face Swivel - 90°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
4MFFOR-4FFORX90	7259-06075	9/16-18	9/16-18	.13
6MFFOR-6FFORX90	7259-31905	11/16-16	11/16-16	.22
8MFFOR-8FFORX90	7259-00345	13/16-16	13/16-16	.28
10MFFOR-10FFORX90	7259-05585	1-14	1-14	.57
12MFFOR-12FFORX90	7259-06085	1 3/16-12	1 3/16-12	.79
16MFFOR-16FFORX90	7259-05285	1 7/16-12	1 7/16-12	1.21
20MFFOR-20FFORX90	7259-09665	1 11/16-12	1 11/16-12	1.98
24MFFOR-24FFORX90	7259-09675	2-12	2-12	2.25

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

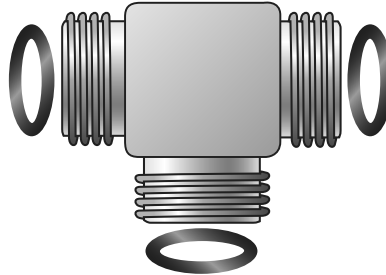





# SAE to SAE

## Male Flat-Face O-Ring Tee

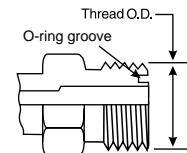
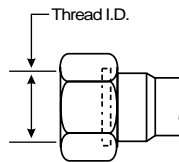
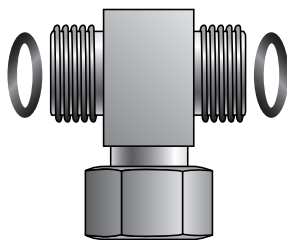
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight
4MFFOR-4MFFOR-4MFFOR	7259-04805	9/16-18	.14
6MFFOR-6MFFOR-6MFFOR	7259-04815	11/16-16	.25
8MFFOR-8MFFOR-8MFFOR	7259-04825	13/16-16	.30
10MFFOR-10MFFOR-10MFFOR	7259-04835	1-14	.64
12MFFOR-12MFFOR-12MFFOR	7259-04845	1 3/16-12	.86
16MFFOR-16MFFOR-16MFFOR	7259-04855	1 7/16-12	1.35
20MFFOR-20MFFOR-20MFFOR	7259-04865	1 11/16-12	1.65

## Male Flat-Face O-Ring on Run to Female Flat-Face Swivel - Tee

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
4MFFOR-4MFFOR-4FFORX	7259-31805	9/16-18	9/16-18	.20
6MFFOR-6MFFOR-6FFORX	7259-31815	11/16-16	11/16-16	.29
8MFFOR-8MFFOR-8FFORX	7259-31825	13/16-16	13/16-16	.40
10MFFOR-10MFFOR-10FFORX	7259-09685	1-14	1-14	.68
12MFFOR-12MFFOR-12FFORX	7259-09695	1 3/16-12	1 3/16-12	1.03
16MFFOR-16MFFOR-16FFORX	7259-09705	1 1/16-12	7/16-20	1.40
20MFFOR-20MFFOR-20FFORX	7259-09715	1 11/16-12	1 11/16-12	2.00

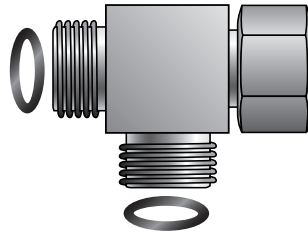
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS




# SAE to SAE

## Male Flat-Face O-Ring to Female Flat-Face O-Ring to Male Flat-Face O-Ring - Tee

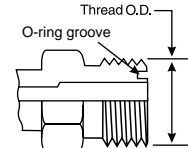
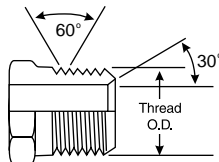
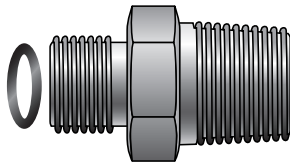
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight
4MFFOR-4FFORX-4MFFOR	7259-00265	9/16-18	.17
6MFFOR-6FFORX-6MFFOR	7259-00135	11/16-16	.29
8MFFOR-8FFORX-8MFFOR	7259-00225	13/16-16	.35
10MFFOR-10FFORX-10MFFOR	7259-06815	1-14	.69
12MFFOR-12FFORX-12MFFOR	7259-00555	1 3/16-12	1.03
16MFFOR-16FFORX-16MFFOR	7259-06025	1 7/16-12	1.50
20MFFOR-20FFORX-20MFFOR	7259-04785	1 11/16-12	1.98

## Male Flat-Face O-Ring to Male Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
4MFFOR-2MP	7259-30615	9/16-18	1/8-27	.06
4MFFOR-4MP	7259-30625	9/16-18	1/4-18	.07
4MFFOR-6MP	7259-30635	9/16-18	3/8-18	.10
6MFFOR-4MP	7259-30645	11/16-16	1/4-18	.10
6MFFOR-6MP	7259-30655	11/16-16	3/8-18	.10
6MFFOR-8MP	7259-30665	11/16-16	1/2-14	.14
8MFFOR-4MP	7259-09845	13/16-16	1/4-18	.14
8MFFOR-6MP	7259-30675	13/16-16	3/8-18	.14
8MFFOR-8MP	7259-30685	13/16-16	1/2-14	.16
8MFFOR-12MP	7259-06845	13/16-16	3/4-14	.24
10MFFOR-8MP	7259-30695	1-14	1/2-14	.24
10MFFOR-12MP	7259-06755	1-14	3/4-14	.30
12MFFOR-8MP	7259-06035	1 3/16-12	1/2-14	.40
12MFFOR-12MP	7259-30705	1 3/16-12	3/4-14	.36
12MFFOR-16MP	7259-08115	1 3/16-12	1-11 1/2	.44
16MFFOR-12MP	7259-07075	1 7/16-12	3/4-14	.47

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.


gates.com/hydraulics

R45



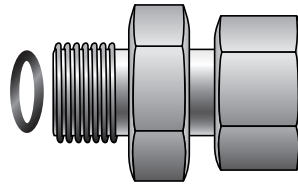
# SAE to SAE


## Male Flat-Face O-Ring to Male Pipe NPTF - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
16MFFOR-16MP	7259-30715	1 7/16-12	1-11 1/2	.57
20MFFOR-20MP	7259-30725	1 11/16-12	1 1/4-11 1/2	.99
24MFFOR-24MP	7259-07595	2-12	1 1/2-11 1/2	1.13

## Male Flat-Face O-Ring to Female JIC 37° Flare Swivel

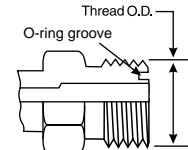
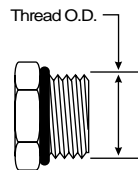
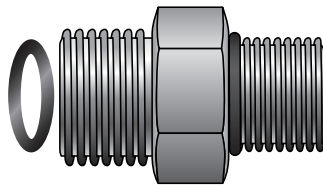
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight
		"	"	Lbs.
4MFFOR-4FJX	7259-09995	9/16-18	7/16-20	.08
6MFFOR-6FJX	7259-05135	11/16-16	9/16-18	.14
8MFFOR-8FJX	7259-05365	13/16-16	3/4-16	.18
10MFFOR-10FJX	7259-06335	1-14	7/8-14	.28
12MFFOR-12FJX	7259-05215	1 3/16-12	1 1/16-12	.47
16MFFOR-16FJX	7259-06765	1 7/16-12	1 5/16-12	.64

## Male Flat-Face O-Ring to Male O-Ring Boss

For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight
		"	"	Lbs.
4MFFOR-4MB	7259-30015	9/16-18	7/16-20	.07
4MFFOR-6MB	7259-29905	9/16-18	9/16-18	.08
4MFFOR-8MB	7259-30115	9/16-18	3/4-16	.12
6MFFOR-4MB	7259-30025	11/16-16	9/16-18	.11
6MFFOR-6MB	7259-00085	11/16-16	7/16-20	.10
6MFFOR-8MB	7259-29925	11/16-16	3/4-16	.15
6MFFOR-10MB	7259-30095	11/16-16	7/8-14	.20
8MFFOR-6MB	7259-30035	13/16-16	3/4-16	.14
8MFFOR-8MB	7259-29915	13/16-16	9/16-18	.15
8MFFOR-10MB	7259-30105	13/16-16	7/8-14	.22



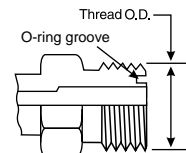
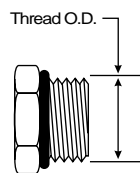
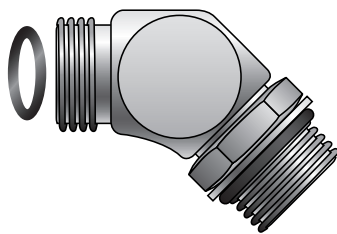
# SAE to SAE


## Male Flat-Face O-Ring to Male O-Ring Boss - Cont'd

Descr.	Prod. No.			Weight Lbs.
		"	"	
8MFFOR-12MB	7259-30125	13/16-16	1 1/16-12	.31
8MFFOR-16MB	7259-08005	13/16-16	1 5/16-12	.45
10MFFOR-8MB	7259-00155	1-14	3/4-16	.26
10MFFOR-10MB	7259-30045	1-14	7/8-14	.26
10MFFOR-12MB	7259-00165	1-14	1 1/16-12	.36
12MFFOR-8MB	7259-30135	1 3/16-12	3/4-16	.40
12MFFOR-10MB	7259-05385	1 3/16-12	7/8-14	.44
12MFFOR-12MB	7259-30055	1 3/16-12	1 1/16-12	.40
12MFFOR-16MB	7259-30175	1 3/16-12	1 5/16-12	.52
16MFFOR-12MB	7259-30185	1 7/16-12	1 1/16-12	.79
16MFFOR-16MB	7259-50255	1 7/16-12	1 5/16-12	.56
16MFFOR-20MB	7259-00045	1 7/16-12	1 5/8-20	.73
20MFFOR-16MB	7259-30145	1 11/16-12	1 5/16-12	.87
20MFFOR-20MB	7259-30075	1 11/16-12	1 5/8-12	.88
20MFFOR-24MB	7259-09745	1 11/16-12	1 7/8-12	1.06
24MFFOR-20MB	7259-09755	2-12	1 5/8-12	1.13
32MFFOR-32MB	7259-00325	2 1/2-12	2 1/2-12	1.93

## Male Flat-Face O-Ring to Male O-Ring Boss - 45°

For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight Lbs.
		"	"	
4MFFOR-4MB45	7259-30935	9/16-18	7/16-20	.11
4MFFOR-6MB45	7259-30305	9/16-18	9/16-18	.15
6MFFOR-4MB45	7259-30945	11/16-16	7/16-20	.20
6MFFOR-6MB45	7259-30225	11/16-16	9/16-18	.18
6MFFOR-8MB45	7259-30955	11/16-16	3/4-16	.24
8MFFOR-6MB45	7259-30965	13/16-16	9/16-18	.20
8MFFOR-8MB45	7259-30975	13/16-16	3/4-16	.24
8MFFOR-10MB45	7259-30295	13/16-16	7/8-14	.41
8MFFOR-12MB45	7259-30985	13/16-16	1 1/16-12	.58
10MFFOR-8MB45	7259-30995	1-14	3/4-16	.40
10MFFOR-10MB45	7259-31005	1-14	7/8-14	.44
10MFFOR-12MB45	7259-31015	1-14	1 1/16-12	.65
12MFFOR-10MB45	7259-31025	1 3/16-12	7/8-14	.55
12MFFOR-12MB45	7259-31035	1 3/16-12	1 1/16-12	.69
12MFFOR-16MB45	7259-31045	1 3/16-12	1 5/16-12	.87
16MFFOR-12MB45	7259-31055	1 7/16-12	1 1/16-12	.94

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



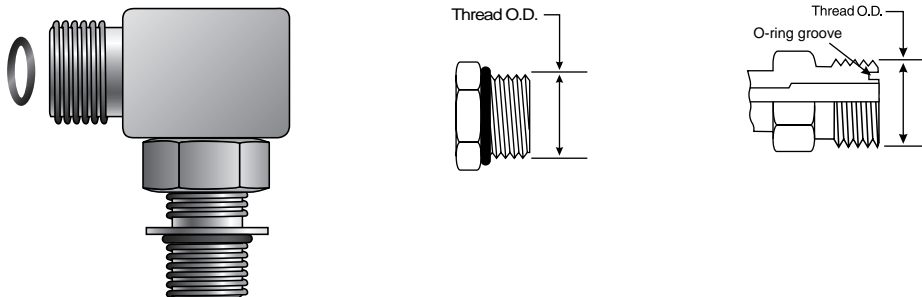
# SAE to SAE


## Male Flat-Face O-Ring to Male O-Ring Boss - 45° - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
16MFFOR-16MB45	7259-31065	1 7/16-12	1 5/16-12	1.00
16MFFOR-20MB45	7259-31075	1 7/16-12	1 5/8-12	1.30
20MFFOR-20MB45	7259-31085	1 11/16-12	1 5/8-12	1.85
24MFFOR-24MB45	7259-31095	2-12	1 7/8-12	1.83

## Male Flat-Face O-Ring to Male O-Ring Boss - 90°

For use up to SAE 100R2 maximum working pressure.

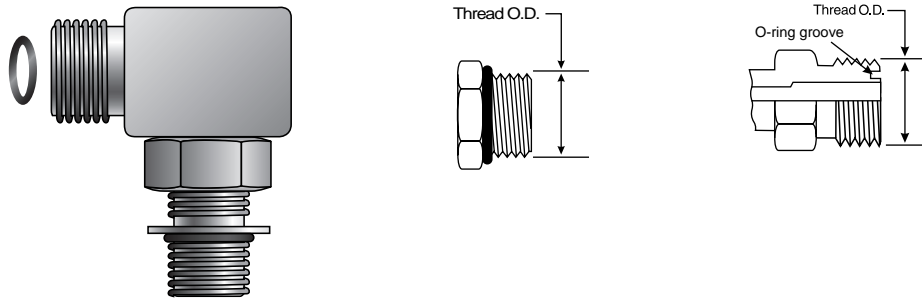


Descr.	Prod. No.			Weight
		"	"	Lbs.
4MFFOR-4MB90	7259-30415	9/16-18	7/16-20	.13
4MFFOR-6MB90	7259-30735	9/16-18	9/16-18	.15
4MFFOR-8MB90	7259-30745	9/16-18	3/4-16	.27
6MFFOR-4MB90	7259-30495	11/16-16	7/16-20	.22
6MFFOR-6MB90	7259-30425	11/16-16	9/16-18	.24
6MFFOR-8MB90	7259-30755	11/16-16	3/4-16	.28
6MFFOR-12MB90	7259-30765	11/16-16	1 1/16-12	.72
8MFFOR-6MB90	7259-66215	13/16-16	9/16-18	.24
8MFFOR-8MB90	7259-30435	13/16-16	3/4-16	.30
8MFFOR-10MB90	7259-30515	13/16-16	7/8-14	.44
8MFFOR-12MB90	7259-30525	13/16-16	1 1/16-12	.82
10MFFOR-8MB90	7259-30555	1-14	3/4-16	.50
10MFFOR-10MB90	7259-30445	1-14	7/8-14	.57
10MFFOR-12MB90	7259-30775	1-14	1 1/16-12	.84
12MFFOR-8MB90	7259-30785	1 3/16-12	3/4-16	.71
12MFFOR-10MB90	7259-30795	1 3/16-12	7/8-14	.73
12MFFOR-12MB90	7259-30455	1 3/16-12	1 1/16-12	.86
12MFFOR-16MB90	7259-30805	1 3/16-12	1 5/16-12	1.40
16MFFOR-12MB90	7259-30545	1 7/16-12	1 1/16-12	1.40
16MFFOR-16MB90	7259-30465	1 7/16-12	1 5/16-12	1.28
16MFFOR-20MB90	7259-30815	1 7/16-12	1 5/8-12	1.75
20MFFOR-16MB90	7259-30825	1 11/16-12	1 5/16-12	1.70
20MFFOR-20MB90	7259-30475	1 11/16-12	1 5/8-12	1.80
20MFFOR-24MB90	7259-30835	1 11/16-12	1 7/8-12	2.24
24MFFOR-20MB90	7259-30845	2-12	1 5/8-12	2.16
24MFFOR-24MB90	7259-30855	2-12	1 7/8-12	2.46

# SAE to SAE

## Male Flat-Face O-Ring to Male O-Ring Boss - 90° Long Drop

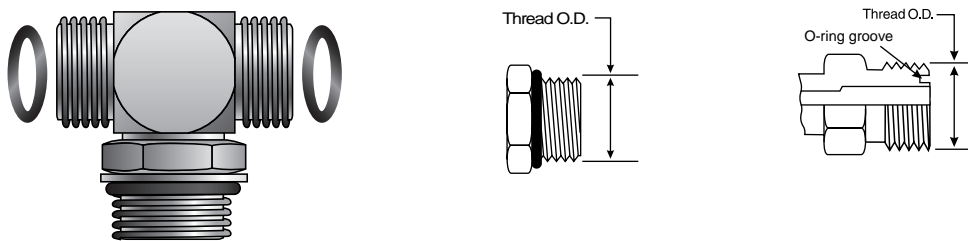
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.				Weight
		"	"	"	Lbs.
4MFFOR-4MB90L	7259-30875	9/16-18	7/16-20		.20
6MFFOR-6MB90L	7259-30885	11/16-16	9/16-18		.40
12MFFOR-12MB90L	7259-30915	1 3/16-12	1 1/16-12		1.30
16MFFOR-16MB90L	7259-30925	1 7/16-12	1 5/16-12		2.07

## Male Flat-Face O-Ring on Run to Male O-Ring Boss - Tee

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.				Weight
		"	"	"	Lbs.
4MFFOR-4MFFOR-4MB	7259-31405	9/16-18	9/16-18	7/16-20	.17
6MFFOR-6MFFOR-6MB	7259-31515	11/16-16	11/16-16	9/16-18	.26
8MFFOR-8MFFOR-8MB	7259-31415	13/16-16	13/16-16	3/4-16	.35
10MFFOR-10MFFOR-10MB	7259-31425	1-14	1-14	7/8-14	.70
12MFFOR-12MFFOR-12MB	7259-31545	1 3/16-12	1 3/16-12	1 1/16-12	1.02
16MFFOR-16MFFOR-16MB	7259-31555	1 7/16-12	1 7/16-12	1 5/16-12	1.60
20MFFOR-20MFFOR-20MB	7259-31435	1 11/16-12	1 11/16-12	1 5/8-12	1.90

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



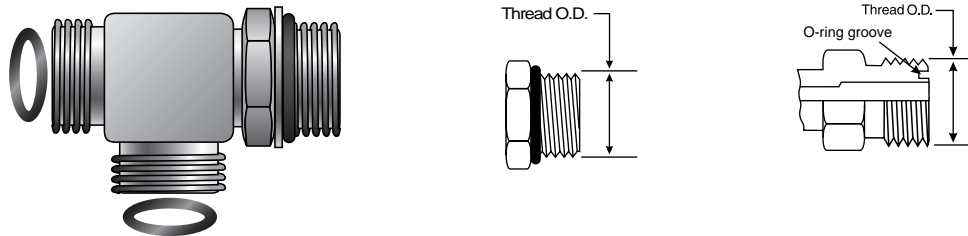




# SAE to SAE

## Male Flat-Face O-Ring to Male O-Ring Boss to Male Flat-Face O-Ring - Tee

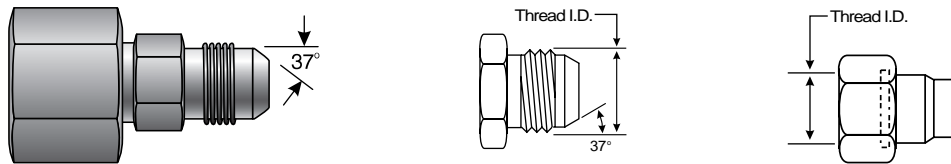
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.				Weight
		"	"	"	Lbs.
4MFFOR-4MB-4MFFOR	7259-31455	9/16-18	7/16-20	9/16-18	.15
6MFFOR-6MB-6MFFOR	7259-31605	11/16-16	9/16-18	11/16-16	.28
8MFFOR-8MB-8MFFOR	7259-31465	13/16-16	3/4-16	13/16-16	.35
10MFFOR-10MB-10MFFOR	7259-31615	1-14	7/8-14	1-14	.68
12MFFOR-12MB-12MFFOR	7259-31475	1 3/16-12	1 1/16-12	1 3/16-12	1.06
16MFFOR-16MB-16MFFOR	7259-31485	1 7/16-12	1 5/16-12	1 7/16-12	1.54
20MFFOR-20MB-20MFFOR	7259-31495	1 11/16-12	1 5/8-12	1 11/16-12	1.90

## Female Flat-Face Swivel to Male JIC 37° Flare

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight
		"	"	Lbs.
4FFORX-4MJ	7253-31705	9/16-18	7/16-20	.06
6FFORX-6MJ	7253-31715	11/16-16	9/16-18	.13
8FFORX-8MJ	7253-31725	13/16-16	3/4-16	.14
10FFORX-10MJ	7253-31735	1-14	7/8-14	.31
12FFORX-12MJ	7253-31745	1 3/16-12	1 1/16-12	.50
16FFORX-16MJ	7253-31755	1 7/16-12	1 1/16-13	.76

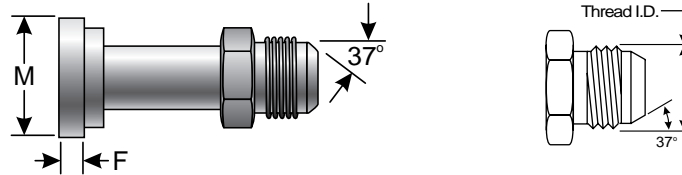
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



# SAE to SAE - High Pressure

## Code 61 O-Ring Flange to Male JIC 37° Flare

O-Ring not included. Must be ordered separately.

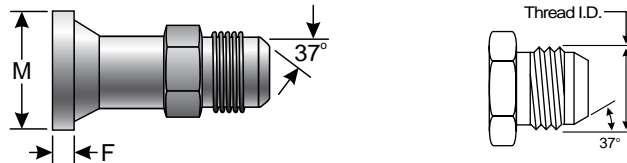


Descr.	Prod. No.		M		F		Weight
			"	mm	"	mm	Lbs.
8FL-8MJ	7253-86931	3/4-16	1.19	30.2	.27	6.9	.24
12FL-12MJ	7253-86932	1 1/16-12	1.50	38.1	.27	6.9	.39
16FL-16MJ	7253-86933	1 5/16-12	1.75	44.5	.32	8.1	.66
20FL-20MJ	7253-86934	1 5/8-12	2.00	50.8	.32	8.1	.98
24FL-24MJ	7253-86935	1 7/8-12	2.38	60.5	.32	8.1	1.38
32FL-32MJ	7253-86936	2 1/2-12	2.81	71.4	.38	9.7	2.43

## Code 61 O-Ring Flange to Male JIC 37° Flare - High Pressure

No braze joints, solid one-piece construction for increased reliability.

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			M		F		Weight
		"	"	"	mm	"	mm	Lbs.
12FL5K-12MJ	7253-13015	1 1/16-12	1 1/16-12	1.50	38.1	.27	6.9	.59
16FL5K-12MJ	7253-12405	1 1/16-12	1 1/16-12	1.75	44.5	.32	8.1	.92
16FL5K-16MJ	7253-13035	1 5/16-12	1 1/16-12	1.75	44.5	.32	8.1	.82
16FL5K-20MJ	7253-12425	1 5/8-12	1 5/16-12	1.75	44.5	.32	8.1	2.43
20FL4K-16MJ	7253-12485	1 5/16-12	1 5/8-12	2.00	50.8	.32	8.1	1.52
20FL4K-20MJ	7253-12475	1 5/8-12	1 7/8-12	2.00	50.8	.32	8.1	1.52

NOTE: FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

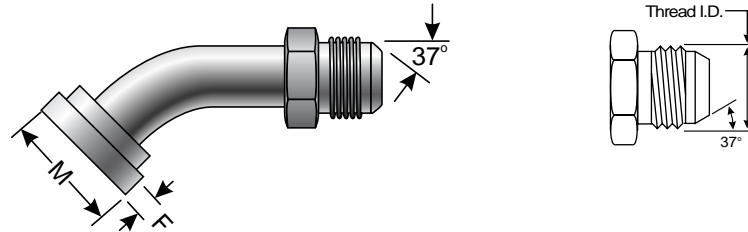
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



## SAE to SAE - High Pressure

### Code 61 O-Ring Flange to Male JIC 37° Flare - 45°

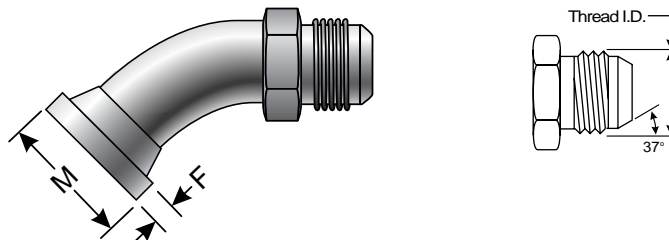
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	Flare		M		F		Weight
		"	"	"	mm	"	mm	Lbs.
8FL-8MJ45	7253-86937	3/4-16	2 1/2-12	1.19	30.2	.27	6.9	.27
12FL-12MJ45	7253-86938	1 1/16-12	1 1/16-12	1.50	38.1	.27	6.9	4.40
16FL-16MJ45	7253-86939	1 5/16-12	1 5/16-12	1.75	44.5	.32	8.1	.79
20FL-20MJ45	7253-86941	1 5/8-12	1 1/16-12	2.00	50.8	.32	8.1	1.14
24FL-24MJ45	7253-86942	1 7/8-12	1 5/16-12	2.38	60.5	.32	8.1	1.72
32FL-32MJ45	7253-86943	2 1/2-12	1 5/8-12	2.81	71.4	.38	9.7	3.10

### Code 61 O-Ring Flange to Male JIC 37° Flare - 45° - High Pressure

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	Flare		M		F		Weight
		"	"	"	mm	"	mm	Lbs.
12FL5K-12MJ45	7253-13105	1 1/16-12	1 7/8-12	1.50	38.1	.27	6.9	1.58
16FL5K-16MJ45	7253-13125	1 1/16-13	2 1/2-12	1.75	44.5	.32	8.1	1.64
20FL4K-16MJ45	7253-12625	1 5/16-12	1 1/16-12	2.00	50.8	.37	9.4	.90
20FL4K-20MJ45	7253-12395	1 5/8-12	1 1/16-13	2.00	50.8	.37	9.4	1.86

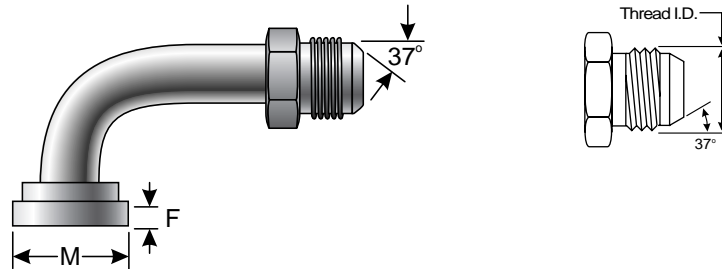
NOTE: FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# SAE to SAE - High Pressure

## Code 61 O-Ring Flange to Male JIC 37° Flare - 90°

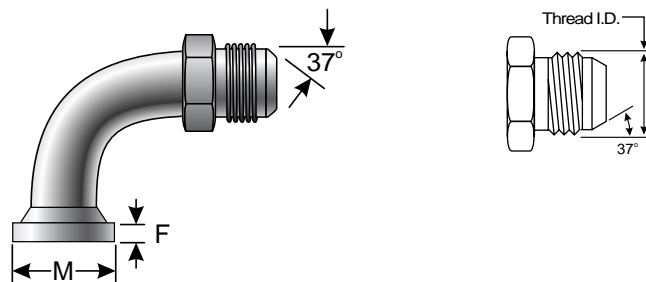
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	Thread		M		F		Weight Lbs.
		"	"	"	mm	"	mm	
8FL-8MJ90	7253-86944	1/2	3/4-16	1.19	30.2	.27	6.9	.30
12FL-12MJ90	7253-86945	3/4	1 1/16-12	1.50	38.1	.27	6.9	.51
16FL-16MJ90	7253-86946	1	1 5/16-12	1.75	44.5	.32	8.1	.92
20FL-20MJ90	7253-86947	1 1/4	1 5/8-12	2.00	50.8	.32	8.1	1.30
24FL-24MJ90	7253-86948	1 1/2	1 7/8-12	2.38	60.5	.32	8.1	1.95
32FL-32MJ90	7253-86949	2	2 1/2-12	2.81	71.4	.38	9.7	3.64

## Code 61 O-Ring Flange to Male JIC 37° Flare - 90° - High Pressure

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	Thread		M		F		Weight Lbs.
		"	"	"	mm	"	mm	
12FL5K-12MJ90	7253-13205	1 1/16-12	1 1/16-12	1.50	38.1	.27	6.9	.70
16FL5K-12MJ90	7253-12415	1 1/16-12	1 1/16-12	1.75	44.5	.32	8.1	1.47
16FL5K-16MJ90	7253-13225	1 5/16-12	1 5/16-12	1.75	44.5	.32	8.1	1.99
20FL4K-16MJ90	7253-12495	1 1/4	1 5/16-12	2.00	50.8	.32	8.1	1.35
20FL4K-20MJ90	7253-12505	1 1/4	1 5/8-12	2.00	50.8	.32	8.1	2.12

NOTE: FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

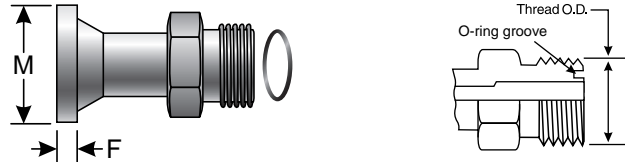
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



## SAE to SAE - High Pressure

### Code 61 O-Ring Flange to Male Flat-Face O-Ring - High Pressure

For use up to SAE 100R2 maximum working pressure.  
No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.

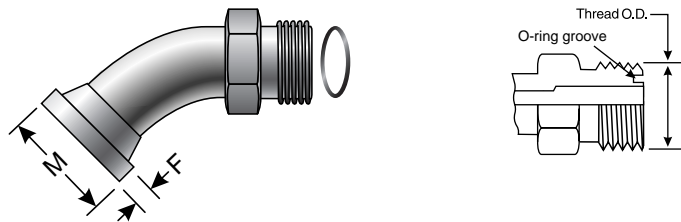


Descr.	Prod. No.	O-ring groove		M		F		Weight
		"	"	"	mm	"	mm	Lbs.
12FL5K-12MFFOR	7253-13695	1 3/16-12	1 1/16-12	1.50	38.1	.27	6.9	.58
16FL5K-12MFFOR	7253-17155	1	1 1/16-12	1.75	44.5	.32	8.1	.64
16FL5K-16MFFOR	7253-13705	1 7/16-12	1 1/16-12	1.75	44.5	.32	8.1	.80
20FL4K-20MFFOR	7253-13715	1 1/4	1 5/8-12	2.00	50.8	.32	8.1	1.18

NOTE: FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

### Code 61 O-Ring Flange to Male Flat-Face O-Ring 45° - High Pressure

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	O-ring groove		M		F		Weight
		"	"	"	mm	"	mm	Lbs.
12FL5K-12MFFOR45	7253-13725	1 3/16-12	1 1/16-12	1.50	38.1	.27	6.9	.20
16FL5K-16MFFOR45	7253-13735	1 7/16-12	1 1/16-12	1.75	44.5	.32	8.1	1.02
20FL4K-20MFFOR45	7253-13745	1 1/4	1 5/8-12	2.00	50.8	.32	8.1	1.68

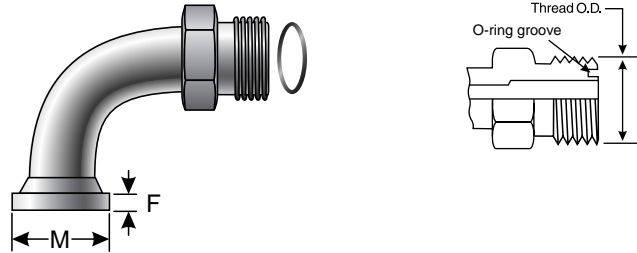
NOTE: FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# SAE to SAE - High Pressure

## Code 61 O-Ring Flange to Male Flat-Face O-Ring 90° - High Pressure

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.

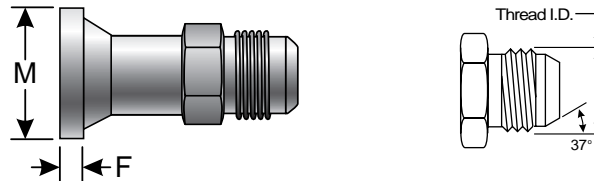


Descr.	Prod. No.	O-Ring Groove		M		F		Weight
		"	"	"	mm	"	mm	Lbs.
12FL5K-12MFFOR90	7253-13755	1 3/16-12	1 1/16-12	1.50	38.1	.27	6.9	.80
16FL5K-16MFFOR90	7253-13765	1 7/16-12	1 1/16-12	1.50	38.1	.32	8.1	1.94
20FL4K-20MFFOR90	7253-13775	1 1/4	1 5/8-12	2.00	50.8	.32	8.1	2.40

NOTE: FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

## Code 62 O-Ring Flange Heavy to Male JIC 37° Flare - (6,000 psi)

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	O-Ring Groove		M		F		Weight
		"	"	"	mm	"	mm	Lbs.
12FLH6K-12MJ	7253-13305	3/4	1 1/16-12	1.63	41.4	.35	8.9	.65
16FLH6K-12MJ	7253-12445	1	1 1/16-12	1.88	47.8	.38	9.7	.92
16FLH6K-16MJ	7253-13325	1	1 5/16-12	1.88	47.8	.38	9.7	.89
16FLH6K-20MJ	7253-12465	1	1 5/8-12	1.88	47.8	.38	9.7	2.43
20FLH6K-16MJ	7253-12515	1 1/4	1 5/16-12	2.13	54.1	.41	10.4	1.52
20FLH6K-20MJ	7253-13345	1 1/4	1 5/8-12	2.13	54.1	.41	10.4	1.49
24FLH6K-20MJ	7253-13375	1 1/2	1 5/8-12	2.50	63.5	.50	12.7	.18
24FLH6K-24MJ	7253-13365	1 1/2	1 7/8-12	2.50	63.5	.50	12.7	1.52

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

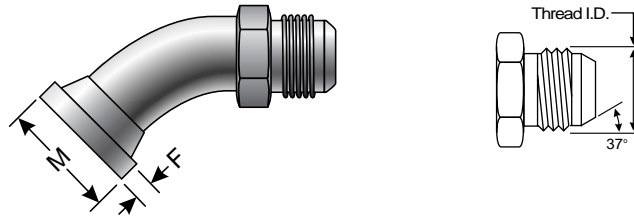




## SAE to SAE - High Pressure

### Code 62 O-Ring Flange Heavy to Male JIC 37° Flare 45° - (6,000 psi)

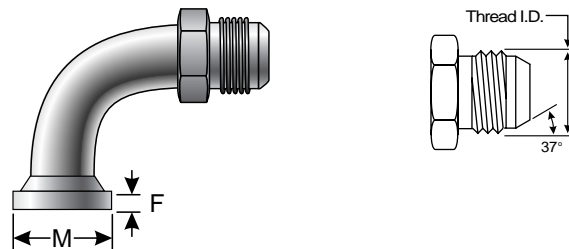
No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	Flare		M		F		Weight
		"	"	"	mm	"	mm	Lbs.
12FLH6K-12MJ45	7253-13405	3/4	1 1/16-12	1.63	41.4	.35	8.9	1.61
16FLH6K-16MJ45	7253-13425	1	1 5/16-12	1.88	47.8	.38	9.7	1.64
20FLH6K-20MJ45	7253-13445	1 1/4	1 5/8-12	2.13	54.1	.41	10.4	1.87

### Code 62 O-Ring Flange Heavy to Male JIC 37° Flare 90° - (6,000 psi)

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



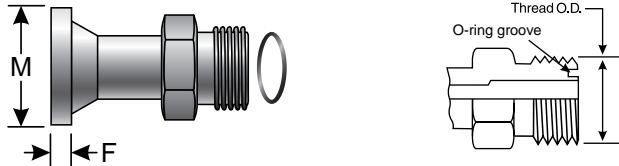
Descr.	Prod. No.	Flare		M		F		Weight
		"	"	"	mm	"	mm	Lbs.
12FLH6K-12MJ90	7253-13505	3/4	1 1/16-12	1.63	41.4	.35	8.9	.08
12FLH6K-16MJ90	7253-13515	3/4	1 5/16-12	1.63	41.4	.35	8.9	1.95
16FLH6K-12MJ90	7253-12455	1	1 1/16-12	1.88	47.8	.38	9.7	1.47
16FLH6K-16MJ90	7253-13535	1	1 5/16-12	1.88	47.8	.38	9.7	1.32
16FLH6K-20MJ90	7253-13545	1	1 5/8-12	1.88	47.8	.38	9.7	2.00
20FLH6K-16MJ90	7253-12525	1 1/4	1 5/16-12	2.13	54.1	.41	10.4	2.70
20FLH6K-20MJ90	7253-13565	1 1/4	1 5/8-12	2.13	54.1	.41	10.4	2.19
24FLH6K-20MJ90	7253-13575	1 1/2	1 5/8-12	2.50	63.5	.50	12.7	2.83



# SAE to SAE - High Pressure

## Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring - (6,000 psi)

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.

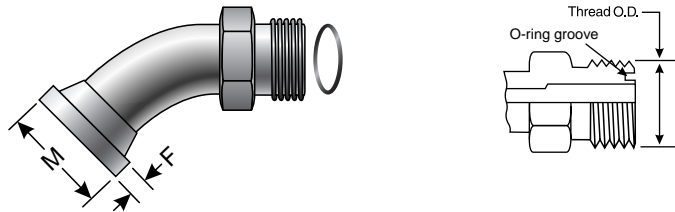


Descr.	Prod. No.	O-ring groove		M		F		Weight Lbs.
		"	"	"	mm	"	mm	
12FLH6K-12MFFOR	7253-13605	3/4	1 3/16-12	1.63	41.4	.35	8.9	.65
16FLH6K-16MFFOR	7253-13615	1	1 7/16-12	1.88	47.8	.38	9.7	.90
20FLH6K-20MFFOR	7253-13625	1 1/4	1 7/16-13	2.13	54.1	.41	10.4	1.35

NOTE: FL4K maximum working pressure is 4,000 psi.

## Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring 45° - (6,000 psi)

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	O-ring groove		M		F		Weight Lbs.
		"	"	"	mm	"	mm	
12FLH6K-12MFFOR45	7253-13635	3/4	1 3/16-12	1.63	41.4	.35	8.9	.75
16FLH6K-16MFFOR45	7253-13645	1	1 7/16-12	1.88	47.8	.38	9.7	1.60
20FLH6K-20MFFOR45	7253-13655	1 1/4	1 7/16-13	2.13	54.1	.41	10.4	2.65

NOTE: FL4K maximum working pressure is 4,000 psi.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



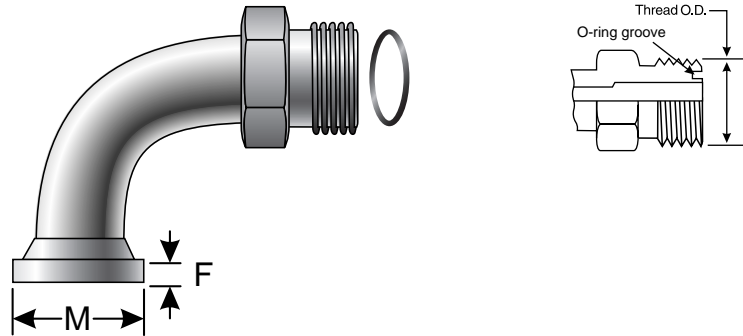





## SAE to SAE - High Pressure

### Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring 90° - (6,000 psi)

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			M		F		Weight
		"	"	"	mm	"	mm	Lbs.
12FLH6K-12MFFOR90	7253-13665	3/4	1 3/16-12	1.63	41.4	.35	8.9	2.11
16FLH6K-12MFFOR90	7253-13465	1 1/16-12	1 7/16-14	1.88	47.8	.38	9.7	.95
16FLH6K-16MFFOR90	7253-13675	1	1 7/16-12	1.88	47.8	.38	9.7	1.36
20FLH6K-20MFFOR90	7253-13685	1 1/4	1 11/16-12	2.13	54.1	.41	10.4	2.15

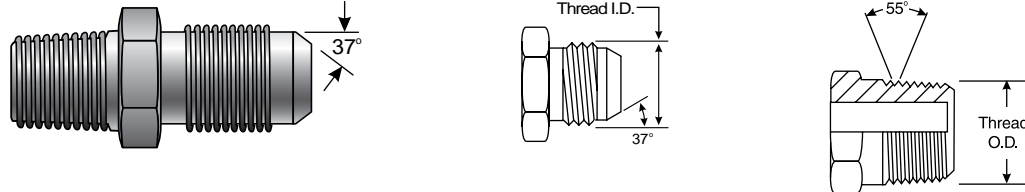
NOTE: FL4K maximum working pressure is 4,000 psi.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# British to SAE

## British Male Standard Pipe Tapered Thread to Male JIC 37° Flare



Descr.	Prod. No.			Weight Lbs.
2MBSPT-4MJ	7253-14255	1/8-28	7/16-20	.08
2MBSPT-5MJ	7253-60005	1/8-28	1/2-20	.02
2MBSPT-6MJ	7253-60015	1/8-28	9/16-18	.05
4MBSPT-4MJ	7253-14265	1/4-19	7/16-20	.12
4MBSPT-5MJ	7253-60025	1/4-19	1/2-20	.05
4MBSPT-6MJ	7253-60035	1/4-19	9/16-18	.05
4MBSPT-8MJ	7253-60045	1/4-19	3/4-16	.10
6MBSPT-4MJ	7253-60055	3/8-19	7/16-20	.05
6MBSPT-5MJ	7253-60065	3/8-19	1/2-20	.05
6MBSPT-6MJ	7253-14275	3/8-19	9/16-18	.14
6MBSPT-8MJ	7253-60075	3/8-19	3/4-16	.10
6MBSPT-10MJ	7253-60085	3/8-19	7/8-14	.15
8MBSPT-6MJ	7253-60095	1/2-14	9/16-18	.15
8MBSPT-8MJ	7253-14285	1/2-14	3/4-16	.20
8MBSPT-10MJ	7253-14295	1/2-14	7/8-14	.03
8MBSPT-12MJ	7253-60105	1/2-14	1 1/16-12	.25
12MBSPT-8MJ	7253-60115	3/4-14	3/4-16	.20
12MBSPT-10MJ	7253-60125	3/4-14	7/8-14	.25
12MBSPT-12MJ	7253-14305	3/4-14	1 1/16-12	.40
12MBSPT-14MJ	7253-60135	3/4-14	1 3/16-12	.35
12MBSPT-16MJ	7253-60145	3/4-14	1 5/16-12	.35
16MBSPT-12MJ	7253-60155	1-11	1 1/16-12	.45
16MBSPT-16MJ	7253-14315	1-11	1 5/16-12	.50
16MBSPT-20MJ	7253-60165	1-11	1 5/8-12	.70
20MBSPT-16MJ	7253-60175	1 1/4-11	1 5/16-12	.70
20MBSPT-20MJ	7253-60185	1 1/4-11	1 5/8-12	.75
24MBSPT-24MJ	7253-60195	1 1/2-11	1 7/8-12	1.10
32MBSPT-32MJ	7253-60205	2-11	2 1/2-12	2.05

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.

gates.com/hydraulics

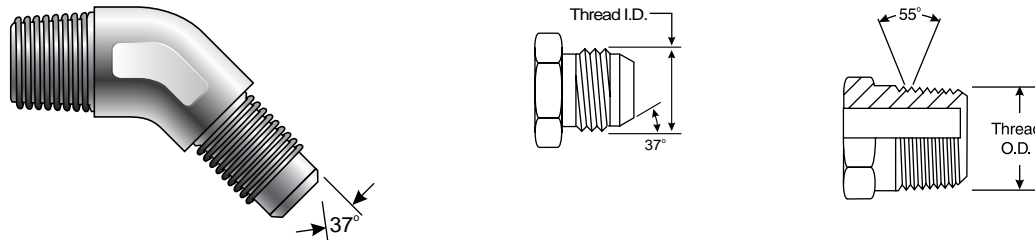
R59



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

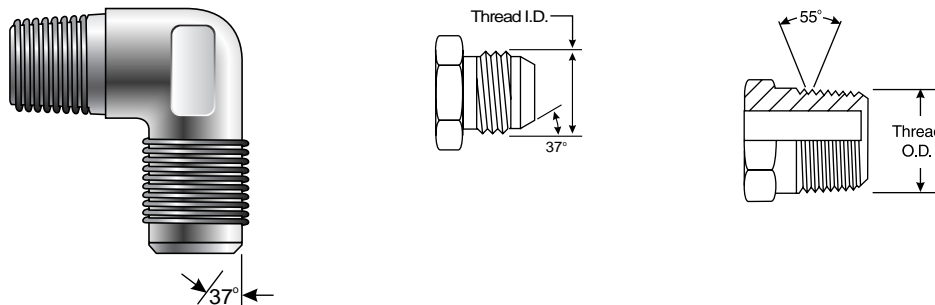
# British to SAE

## British Male Standard Pipe Tapered Thread to Male JIC 37° Flare - 45°



Descr.	Prod. No.	Thread		Weight
		"	"	Lbs.
2MBSPT-4MJ45	7253-60215	1/8-28	3/4-16	.01
4MBSPT-4MJ45	7253-60225	1/4-19	7/16-20	.05
4MBSPT-6MJ45	7253-60235	1/4-19	9/16-18	.05
6MBSPT-6MJ45	7253-60245	3/8-19	9/16-18	.10
6MBSPT-8MJ45	7253-60255	3/8-19	3/4-16	.10
8MBSPT-8MJ45	7253-60265	1/2-14	3/4-16	.20
8MBSPT-10MJ45	7253-60275	1/2-14	7/8-14	.20
12MBSPT-12MJ45	7253-60285	3/4-14	1 1/16-12	.35
12MBSPT-16MJ45	7253-60295	3/4-14	1 5/16-12	.55
16MBSPT-16MJ45	7253-60305	1-11	1 5/16-12	.55

## British Male Standard Pipe Tapered Thread to Male JIC 37° Flare - 90°




Descr.	Prod. No.	Thread		Weight
		"	"	Lbs.
2MBSPT-4MJ90	7253-60315	1/8-28	3/4-16	.05
4MBSPT-4MJ90	7253-60325	1/4-19	7/16-20	.10
4MBSPT-5MJ90	7253-60335	1/4-19	1/2-20	.10
4MBSPT-6MJ90	7253-60345	1/4-19	9/16-18	.05
6MBSPT-6MJ90	7253-60355	3/8-19	9/16-18	.15
6MBSPT-8MJ90	7253-60365	3/8-19	3/4-16	.20
8MBSPT-6MJ90	7253-60375	1/2-14	3/4-16	.15

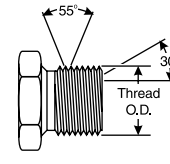
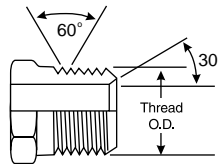
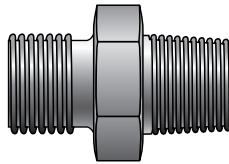



## British to SAE

### British Male Standard Pipe Tapered Thread to Male JIC 37° Flare - 90° - Cont'd

Descr.	Prod. No.			Weight Lbs.
		"	"	
8MBSPT-8MJ90	7253-60385	1/2-14	3/4-16	.25
8MBSPT-10MJ90	7253-60395	1/2-14	7/8-14	.25
8MBSPT-12MJ90	7253-60405	1/2-14	1 1/16-12	.45
12MBSPT-12MJ90	7253-60415	3/4-14	1 1/16-12	.50
12MBSPT-16MJ90	7253-60425	3/4-14	1 5/16-12	.75
16MBSPT-16MJ90	7253-60435	1-11	1 5/16-12	.80
20MBSPT-20MJ90	7253-60445	1 1/4-11	1 5/8-12	1.45
24MBSPT-24MJ90	7253-60455	1 1/2-11	1 7/8-12	2.00

### British Male Standard Pipe Parallel to Male Pipe NPTF



Descr.	Prod. No.			Weight Lbs.
		"	"	
2MBSPP-2MP	7253-60475	1/8-28	1/8-27	.05
2MBSPP-4MP	7253-60485	1/8-28	1/4-18	.05
4MBSPP-2MP	7253-60495	1/4-19	1/8-27	.05
4MBSPP-4MP	7253-15075	1/4-19	1/4-18	.07
4MBSPP-6MP	7253-60505	1/4-19	3/8-18	.05
4MBSPP-8MP	7253-60515	1/4-19	1/2-14	.10
6MBSPP-2MP	7253-60525	3/8-19	1/8-27	.04
6MBSPP-4MP	7253-60535	3/8-19	1/4-18	.10
6MBSPP-6MP	7253-15085	3/8-19	3/8-18	.11
6MBSPP-8MP	7253-60545	3/8-19	1/2-14	.10
6MBSPP-12MP	7253-60555	3/8-19	3/4-14	.20
6MBSPP-16MP	7253-60565	3/8-19	1-11 1/2	.35
8MBSPP-4MP	7253-60575	1/2-14	1/4-18	.10
8MBSPP-6MP	7253-60585	1/2-14	3/8-18	.10
8MBSPP-8MP	7253-15095	1/2-14	1/2-14	.17
8MBSPP-12MP	7253-60595	1/2-14	3/4-14	.15
8MBSPP-16MP	7253-60605	1/2-14	1-11 1/2	.35
10MBSPP-8MP	7253-60615	5/8-14	1/2-14	.15
10MBSPP-12MP	7253-60625	5/8-14	3/4-14	.20
12MBSPP-8MP	7253-60635	3/4-14	1/2-14	.15
12MBSPP-12MP	7253-15105	3/4-14	3/4-14	.28
12MBSPP-16MP	7253-60645	3/4-14	1-11 1/2	.35
12MBSPP-20MP	7253-60655	3/4-14	1 1/4-11 1/2	.60
16MBSPP-12MP	7253-60665	1-11	3/4-14	.40
16MBSPP-16MP	7253-15115	1-11	1-11 1/2	.53
16MBSPP-20MP	7253-60675	1-11	1 1/4-11 1/2	.65


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



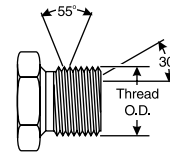
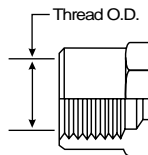
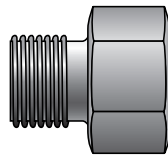



# British to SAE

## British Male Standard Pipe Parallel to Male Pipe NPTF - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
20MBSPP-16MP	7253-60685	1 1/4-11	1-11 1/2	.70
20MBSPP-20MP	7253-60695	1 1/4-11	1 1/4-11 1/2	.70
20MBSPP-24MP	7253-60705	1 1/4-11	1 1/2-11 1/2	.85
24MBSPP-20MP	7253-60715	1 1/2-11	1 1/4-11 1/2	.85
24MBSPP-24MP	7253-60725	1 1/2-11	1 1/2-11 1/2	1.00
32MBSPP-32MP	7253-60735	2-11	2-11 1/2	1.40

## British Male Standard Pipe Parallel to Female Pipe NPTF



Descr.	Prod. No.			Weight
		"	"	Lbs.
2MBSPP-2FP	7253-60745	1/8-28	1/8-27	.05
2MBSPP-4FP	7253-60755	1/8-28	1/4-18	.05
4MBSPP-2FP	7253-60765	1/4-19	1/8-27	.10
4MBSPP-4FP	7253-60775	1/4-19	1/4-18	.05
4MBSPP-6FP	7253-60785	1/4-19	3/8-18	.15
6MBSPP-2FP	7253-60795	3/8-19	1/8-27	.15
6MBSPP-4FP	7253-60805	3/8-19	1/4-18	.15
6MBSPP-6FP	7253-60815	3/8-19	3/8-18	.10
8MBSPP-4FP	7253-60825	1/2-14	1/4-18	.20
8MBSPP-6FP	7253-60835	1/2-14	3/8-18	.25
8MBSPP-8FP	7253-60845	1/2-14	1/2-14	.25
12MBSPP-8FP	7253-60855	3/4-14	1/2-14	.35
12MBSPP-12FP	7253-60865	3/4-14	3/4-14	.35
16MBSPP-16FP	7253-60875	1-11	1-11 1/2	.55
20MBSPP-16FP	7253-60885	1 1/4-11	1-11 1/2	1.30
20MBSPP-20FP	7253-60895	1 1/4-11	1 1/4-11 1/2	1.00
24MBSPP-20FP	7253-60905	1 1/2-11	1 1/4-11 1/2	1.30
24MBSPP-24FP	7253-60915	1 1/2-11	1 1/2-11 1/2	1.10
32MBSPP-32FP	7253-60925	2-11	2-11 1/2	1.60

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

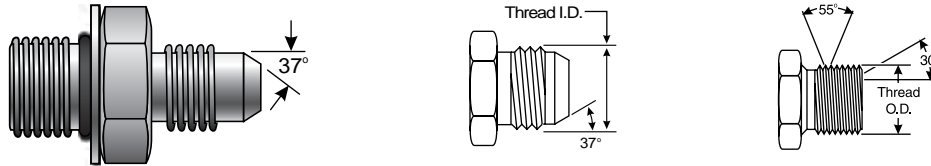
ACCESSORIES


EQUIPMENT AND PARTS



# British to SAE

## British Male Standard Pipe Parallel to Male JIC 37° Flare



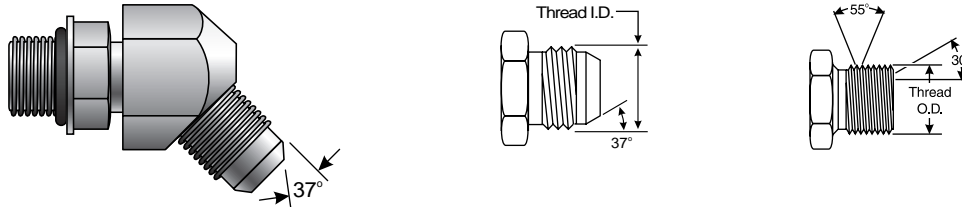
Descr.	Prod. No.			Weight Lbs.
		"	"	
2MBSPP-4MJ	7253-60935	1/8-28	7/16-20	.02
2MBSPP-5MJ	7253-60945	1/8-28	1/2-20	.02
2MBSPP-6MJ	7253-60955	1/8-28	9/16-18	.05
4MBSPP-4MJ	7253-15015	1/4-19	7/16-20	.12
4MBSPP-5MJ	7253-60965	1/4-19	1/2-20	.05
4MBSPP-6MJ	7253-60975	1/4-19	9/16-18	.05
4MBSPP-8MJ	7253-60985	1/4-19	3/4-16	.10
6MBSPP-4MJ	7253-60995	3/8-19	7/16-20	.05
6MBSPP-5MJ	7253-61005	3/8-19	1/2-20	.05
6MBSPP-6MJ	7253-15025	3/8-19	9/16-18	.02
6MBSPP-8MJ	7253-61015	3/8-19	3/4-16	.10
8MBSPP-6MJ	7253-61025	1/2-14	9/16-18	.10
8MBSPP-8MJ	7253-15035	1/2-14	3/4-16	.20
8MBSPP-10MJ	7253-61035	1/2-14	7/8-14	.15
8MBSPP-12MJ	7253-61045	1/2-14	1 1/16-12	.20
10MBSPP-8MJ	7253-61055	5/8-14	3/4-16	.15
10MBSPP-10MJ	7253-15045	5/8-14	7/8-14	.20
10MBSPP-12MJ	7253-61065	5/8-14	1 1/16-12	.20
12MBSPP-8MJ	7253-61075	3/4-14	3/4-16	.20
12MBSPP-10MJ	7253-61085	3/4-14	7/8-14	.25
12MBSPP-12MJ	7253-15055	3/4-14	1 1/16-12	.22
12MBSPP-14MJ	7253-61095	3/4-14	1 3/16-12	.25
12MBSPP-16MJ	7253-61105	3/4-14	1 5/16-12	.35
16MBSPP-12MJ	7253-61115	1-11	1 1/16-12	.40
16MBSPP-14MJ	7253-61125	1-11	1 3/16-12	.45
16MBSPP-16MJ	7253-15065	1-11	1 5/16-12	.64
16MBSPP-20MJ	7253-61135	1-11	1 5/8-12	.60
20MBSPP-16MJ	7253-61145	1 1/4-11	1 5/16-12	.60
20MBSPP-20MJ	7253-61155	1 1/4-11	1 5/8-12	.70
20MBSPP-24MJ	7253-61165	1 1/4-11	1 7/8-12	.85
24MBSPP-20MJ	7253-61175	1 1/2-11	1 5/8-12	.90
24MBSPP-24MJ	7253-61185	1 1/2-11	1 7/8-12	.95
32MBSPP-32MJ	7253-61195	2-11	2 1/2-12	1.90


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



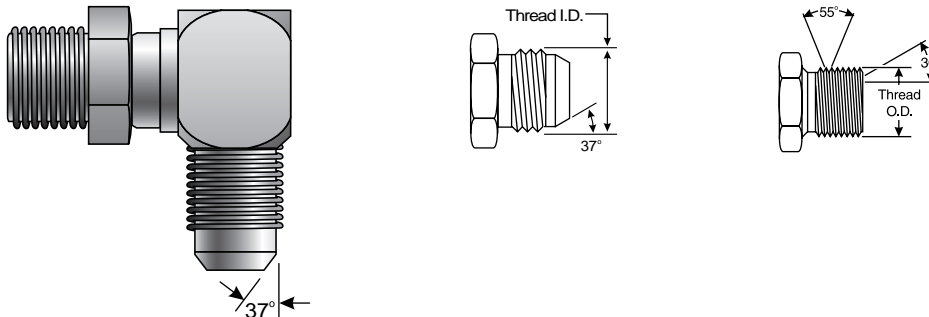
## British to SAE


### British Male Standard Pipe Parallel to Male JIC 37° Flare - 45°



Descr.	Prod. No.			Weight
		"	"	Lbs.
2MBSPP-4MJ45	7253-61205	1/8-28	7/16-20	.05
4MBSPP-4MJ45	7253-61215	1/4-19	7/16-20	.10
4MBSPP-6MJ45	7253-61225	1/4-19	9/16-18	.10
6MBSPP-6MJ45	7253-61235	3/8-19	9/16-18	.15
6MBSPP-8MJ45	7253-61245	3/8-19	3/4-16	.20
8MBSPP-8MJ45	7253-61255	1/2-14	3/4-16	.25
8MBSPP-10MJ45	7253-61265	1/2-14	7/8-14	.30
8MBSPP-12MJ45	7253-61275	1/2-14	1 1/16-12	.45
12MBSPP-12MJ45	7253-61285	3/4-14	1 1/16-12	.55
16MBSPP-16MJ45	7253-61295	1-11	1 5/16-12	.85


### British Male Standard Pipe Parallel to Male JIC 37° Flare - 90°



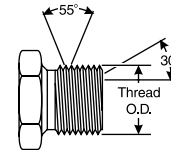
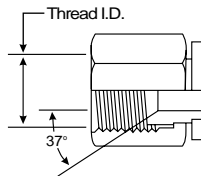
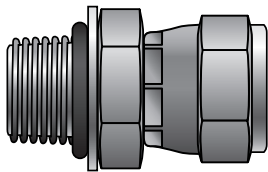
Descr.	Prod. No.			Weight
		"	"	Lbs.
2MBSPP-4MJ90	7253-61305	1/8-28	7/16-20	.05
4MBSPP-4MJ90	7253-61315	1/4-19	7/16-20	.10
4MBSPP-5MJ90	7253-61325	1/4-19	1/2-20	.10
4MBSPP-6MJ90	7253-61335	1/4-19	9/16-18	.10
4MBSPP-8MJ90	7253-61345	1/4-19	3/4-16	.20
6MBSPP-4MJ90	7253-61355	3/8-19	7/16-20	.20
6MBSPP-5MJ90	7253-61365	3/8-19	1/2-20	.20


## British to SAE

### British Male Standard Pipe Parallel to Male JIC 37° Flare - 90° - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
6MBSPP-8MJ90	7253-61385	3/8-19	3/4-16	.20
8MBSPP-6MJ90	7253-61395	1/2-14	9/16-18	.30
8MBSPP-10MJ90	7253-61415	1/2-14	7/8-14	.35
8MBSPP-12MJ90	7253-61425	1/2-14	1 1/16-12	.55
12MBSPP-8MJ90	7253-61435	3/4-14	3/4-16	.60
12MBSPP-10MJ90	7253-61445	3/4-14	7/8-14	.65
12MBSPP-16MJ90	7253-61465	3/4-14	1 5/16-12	.90
16MBSPP-12MJ90	7253-61475	1-11	1 1/16-12	.95
16MBSPP-16MJ90	7253-61485	1-11	1 5/16-12	.95
16MBSPP-20MJ90	7253-61495	1-11	1 5/8-12	1.45
20MBSPP-16MJ90	7253-61505	1 1/2-11	1 5/16-12	1.55
20MBSPP-20MJ90	7253-61515	1 1/2-11	1 5/8-12	1.55
24MBSPP-24MJ90	7253-61525	1 1/2-11	1 7/8-12	2.10

### British Male Standard Pipe Parallel to Female JIC 37° Flare Swivel



Descr.	Prod. No.			Weight
		"	"	Lbs.
2MBSPP-4FJX	7253-61535	1/8-28	7/16-20	.01
4MBSPP-4FJX	7253-15125	1/4-19	7/16-20	.07
4MBSPP-5FJX	7253-61545	1/4-19	1/2-20	.05
4MBSPP-6FJX	7253-61555	1/4-19	9/16-18	.05
6MBSPP-4FJX	7253-61565	3/8-19	7/16-20	.05
6MBSPP-6FJX	7253-15135	3/8-19	9/16-18	.14
6MBSPP-8FJX	7253-61575	3/8-19	3/4-16	.15
8MBSPP-4FJX	7253-61585	1/2-14	7/16-20	.10
8MBSPP-6FJX	7253-61595	1/2-14	9/16-18	.15
8MBSPP-8FJX	7253-15145	1/2-14	3/4-16	.17
8MBSPP-10FJX	7253-61605	1/2-14	7/8-14	.15
8MBSPP-12FJX	7253-61615	1/2-14	1 1/16-12	.30
10MBSPP-8FJX	7253-61625	5/8-14	3/4-16	.15
10MBSPP-10FJX	7253-15155	5/8-14	7/8-14	.02
12MBSPP-8FJX	7253-61635	3/4-14	3/4-16	.25
12MBSPP-12FJX	7253-15165	3/4-14	1 1/16-12	.43
12MBSPP-16FJX	7253-61645	3/4-14	1 5/16-12	.50
16MBSPP-16FJX	7253-15175	1-11	1 5/16-12	.69
16MBSPP-20FJX	7253-61655	1-11	1 5/8-12	.85

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

gates.com/hydraulics

R65

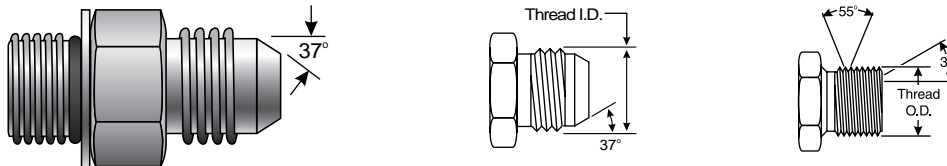


# British to SAE

## British Male Standard Pipe Parallel to Female JIC 37° Flare Swivel - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
20MBSPP-16FJX	7253-61665	1 1/4-11	1 5/16-12	.80
20MBSPP-20FJX	7253-61675	1 1/4-11	1 5/8-12	.90
24MBSPP-24FJX	7253-61685	1 1/2-11	1 7/8-12	1.30
32MBSPP-32FJX	7253-61695	2-11	2 1/2-12	2.15

## British Male Standard Pipe Parallel with O-Ring to Male JIC 37° Flare

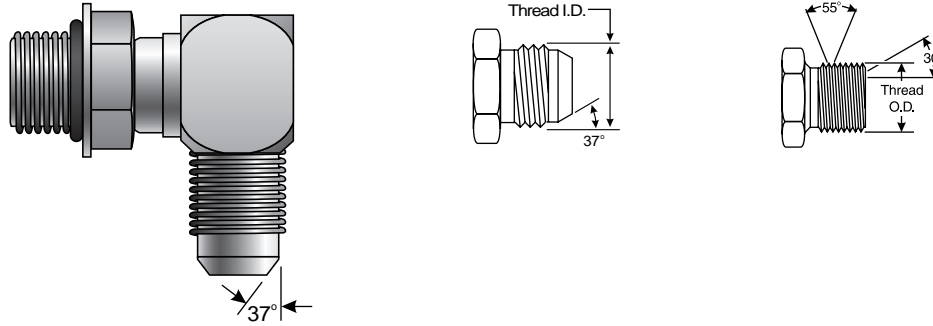


Descr.	Prod. No.			Weight
		"	"	Lbs.
2MBSPPOR-4MJ	7253-14005	1/8-28	7/16-20	.10
4MBSPPOR-4MJ	7253-14015	1/4-19	7/16-20	.16
4MBSPPOR-5MJ	7253-61705	1/4-19	1/2-20	.05
4MBSPPOR-6MJ	7253-14025	1/4-19	9/16-18	.14
6MBSPPOR-4MJ	7253-14035	3/8-19	7/16-20	.02
6MBSPPOR-5MJ	7253-61715	3/8-19	1/2-20	.10
6MBSPPOR-6MJ	7253-14045	3/8-19	9/16-18	.02
6MBSPPOR-8MJ	7253-14055	3/8-19	3/4-16	.02
8MBSPPOR-6MJ	7253-14075	1/2-14	9/16-18	.20
8MBSPPOR-8MJ	7253-14085	1/2-14	3/4-16	.20
8MBSPPOR-10MJ	7253-61725	1/2-14	7/8-14	.20
8MBSPPOR-12MJ	7253-14605	1/2-14	1 1/16-12	.32
12MBSPPOR-8MJ	7253-61735	3/4-14	3/4-16	.35
12MBSPPOR-10MJ	7253-61745	3/4-14	7/8-14	.35
12MBSPPOR-12MJ	7253-14095	3/4-14	1 1/16-12	.40
12MBSPPOR-16MJ	7253-61755	3/4-14	1 5/16-12	.40
16MBSPPOR-12MJ	7253-61765	1-11	1 1/16-12	.50
16MBSPPOR-16MJ	7253-14105	1-11	1 5/16-12	.20
20MBSPPOR-20MJ	7253-14115	1 1/4-11	1 5/8-12	.94
20MBSPPOR-24MJ	7253-61775	1 1/2-11	1 7/8-12	.95
24MBSPPOR-24MJ	7253-61785	1 1/2-11	1 7/8-12	1.25

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

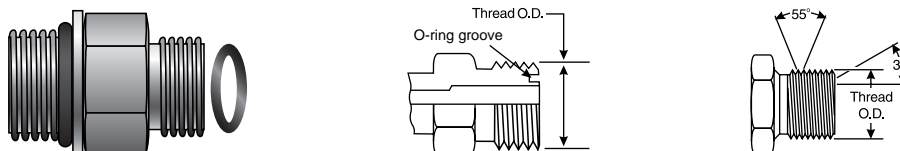
## British to SAE

### British Male Standard Pipe Parallel with O-Ring to Male JIC 37° Flare - 90°



Descr.	Prod. No.			Weight Lbs.
		"	"	
6MBSPPOR-6MJ90	7253-14505	3/8-19	9/16-18	.27
8MBSPPOR-8MJ90	7253-14515	1/2-14	3/4-16	.23
12MBSPPOR-12MJ90	7253-14525	3/4-14	1 1/2-12	.72

### British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring



Descr.	Prod. No.			Weight Lbs.
		"	"	
2MBSPPOR-4MFFOR	7253-61795	1/8-28	1/4-18	.05
4MBSPPOR-4MFFOR	7253-61805	1/4-19	1/4-18	.05
4MBSPPOR-6MFFOR	7253-61815	1/4-19	3/8-16	.05
6MBSPPOR-6MFFOR	7253-61825	3/8-19	3/8-16	.15
6MBSPPOR-8MFFOR	7253-61835	3/8-19	1/2-16	.15
8MBSPPOR-6MFFOR	7253-61845	1/2-14	3/8-16	.20
8MBSPPOR-8MFFOR	7253-61855	1/2-14	1/2-16	.15
8MBSPPOR-10MFFOR	7253-61865	1/2-14	5/8-14	.20
12MBSPPOR-12MFFOR	7253-61875	3/4-14	3/4-12	.40
12MBSPPOR-16MFFOR	7253-61885	3/4-14	1-12	.55
16MBSPPOR-12MFFOR	7253-61895	1-11	3/4-12	.55
16MBSPPOR-16MFFOR	7253-61905	1-11	1-12	.55
20MBSPPOR-20MFFOR	7253-61915	1 1/4-11	1 1/4-12	.90
24MBSPPOR-24MFFOR	7253-61925	1 1/2-11	1 1/2-12	1.25

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.

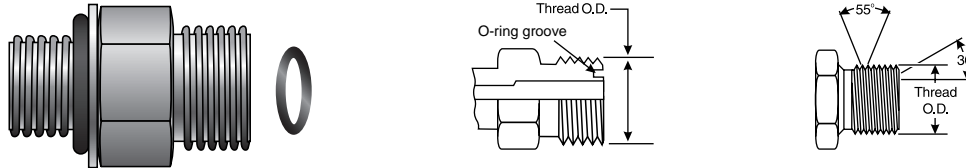
gates.com/hydraulics

R67

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

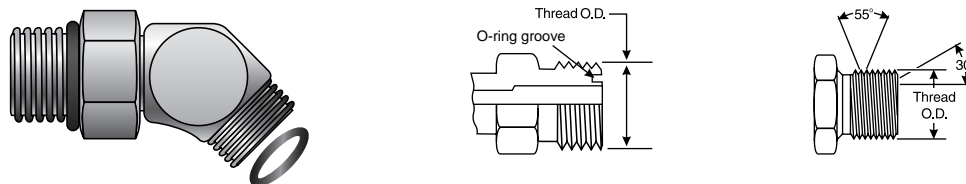
## British to SAE

### British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - Long



Descr.	Prod. No.			Weight
		"	"	Lbs.
6MBSPPOR-8MFFORL	7253-61935	3/8-19	1/2-16	.25
8MBSPPOR-8MFFORL	7253-61945	1/2-14	1/2-16	.35
8MBSPPOR-10MFFORL	7253-61955	1/2-14	5/8-14	.45
12MBSPPOR-10MFFORL	7253-61965	3/4-14	5/8-14	.65
12MBSPPOR-12MFFORL	7253-61975	3/4-14	3/4-12	.85
16MBSPPOR-16MFFORL	7253-61985	1-11	1-12	1.25
20MBSPPOR-20MFFORL	7253-61995	1 1/4-11	1 1/4-12	2.00

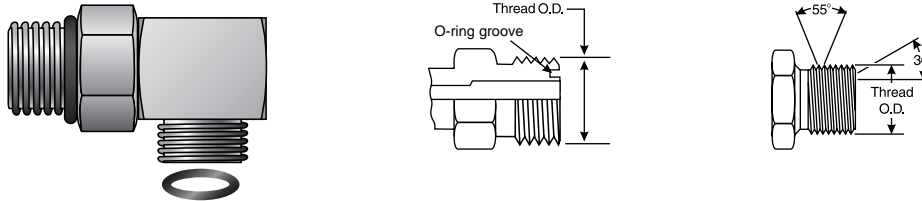
### British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - 45°



Descr.	Prod. No.			Weight
		"	"	Lbs.
2MBSPPOR-4MFFOR45	7253-62005	1/8-28	1/4-18	.05
4MBSPPOR-4MFFOR45	7253-62015	1/4-19	1/4-18	.15
4MBSPPOR-6MFFOR45	7253-62025	1/4-19	3/8-16	.15
6MBSPPOR-6MFFOR45	7253-62035	3/8-19	3/8-16	.20
6MBSPPOR-8MFFOR45	7253-62045	3/8-19	1/2-16	.20
8MBSPPOR-8MFFOR45	7253-62055	1/2-14	1/2-16	.35
8MBSPPOR-10MFFOR45	7253-62065	1/2-14	5/8-14	.40

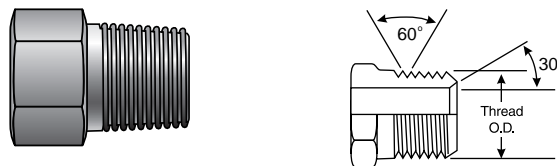
## British to SAE

### British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - 90°



Descr.	Prod. No.			Weight Lbs.
		"	"	
2MBSPPOR-4MFFOR90	7253-62075	1/8-28	1/4-18	.10
4MBSPPOR-4MFFOR90	7253-62085	1/4-19	1/4-18	.20
4MBSPPOR-6MFFOR90	7253-62095	1/4-19	3/8-16	.20
4MBSPPOR-8MFFOR90	7253-62105	1/4-19	1/2-16	.20
6MBSPPOR-6MFFOR90	7253-62115	3/8-19	3/8-16	.25
6MBSPPOR-8MFFOR90	7253-62125	3/8-19	1/2-16	.25
8MBSPPOR-6MFFOR90	7253-62135	1/2-14	3/8-16	.50
8MBSPPOR-8MFFOR90	7253-62145	1/2-14	1/2-16	.55
8MBSPPOR-10MFFOR90	7253-62155	1/2-14	5/8-14	.55
8MBSPPOR-12MFFOR90	7253-62165	1/2-14	3/4-12	.70
12MBSPPOR-12MFFOR90	7253-62175	3/4-14	3/4-12	.85
12MBSPPOR-16MFFOR90	7253-62185	3/4-14	1-12	1.20
16MBSPPOR-12MFFOR90	7253-62195	1-11	3/4-12	1.40
16MBSPPOR-16MFFOR90	7253-62205	1-11	1-12	1.30
20MBSPPOR-16MFFOR90	7253-62215	1 1/4-11	1-12	1.65
20MBSPPOR-20MFFOR90	7253-62225	1 1/4-11	1 1/4-12	1.70
24MBSPPOR-24MFFOR90	7253-62235	1 1/2-11	1 1/2-12	2.35

### Female British Standard Pipe Parallel to Male Pipe NPTF



Descr.	Prod. No.			Weight Lbs.
		"	"	
2FBSPP-2MP	7253-62245	1/8-28	1/8-27	.01
2FBSPP-4MP	7253-62255	1/8-28	1/4-18	.01
4FBSPP-4MP	7253-62265	1/4-19	1/4-18	.10
4FBSPP-6MP	7253-62275	1/4-19	3/8-18	.15
4FBSPP-8MP	7253-62285	1/4-19	1/2-14	.10
6FBSPP-6MP	7253-62295	3/8-19	3/8-18	.10
6FBSPP-8MP	7253-62305	3/8-19	1/2-14	.15
8FBSPP-8MP	7253-62315	1/2-14	1/2-14	.25

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.


gates.com/hydraulics

R69

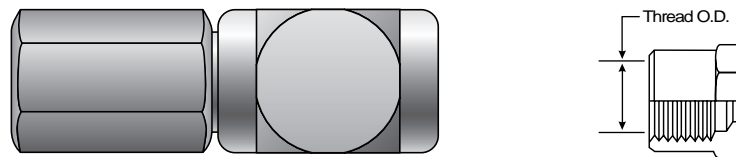



# British to SAE

## Female British Standard Pipe Parallel to Male Pipe NPTF - Cont'd

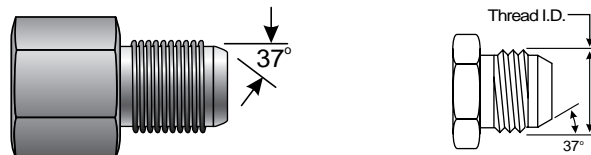
Descr.	Prod. No.			Weight
		"	"	Lbs.
8FBSPP-12MP	7253-62325	1/2-14	3/4-14	.45
12FBSPP-12MP	7253-62335	3/4-14	3/4-14	.35
12FBSPP-16MP	7253-62345	3/4-14	1-11 1/2	.20
16FBSPP-16MP	7253-62355	1-11	1-11 1/2	.55
20FBSPP-20MP	7253-62365	1 1/4-11	1 1/4-11 1/2	.95
20FBSPP-24MP	7253-62375	1 1/4-11	1 1/4-11 1/2	1.10
24FBSPP-24MP	7253-62385	1 1/2-11	1 1/2-11 1/2	.54
32FBSPP-32MP	7253-62395	2-11	2-11 1/2	1.70


## Female British Standard Pipe Parallel to Female Pipe NPTF



Descr.	Prod. No.			Weight
		"	"	Lbs.
4FBSPP-4FP	7253-65525	1/4-19	1/4-18	.05
6FBSPP-6FP	7253-65535	3/8-19	3/8-18	.10
8FBSPP-8FP	7253-65545	1/2-14	1/2-14	.30
12FBSPP-12FP	7253-65555	3/4-14	3/4-14	.50
16FBSPP-16FP	7253-65565	1-11	1-11 1/2	.60
20FBSPP-20FP	7253-65575	1 1/4-11	1 1/4-11 1/2	1.00

## Female British Standard Pipe Parallel to Male JIC 37° Flare




Descr.	Prod. No.			Weight
		"	"	Lbs.
2FBSPP-4MJ	7253-14155	1/8-28	7/16-20	.10
4FBSPP-4MJ	7253-14225	1/4-19	7/16-20	.02
4FBSPP-6MJ	7253-14165	1/4-19	9/16-18	.18
6FBSPP-6MJ	7253-14175	3/8-19	9/16-18	.08
8FBSPP-8MJ	7253-14185	1/2-14	3/4-16	.26
12FBSPP-12MJ	7253-14195	3/4-14	1 1/16-12	.54
16FBSPP-16MJ	7253-14205	1-11	1 5/16-12	.66
20FBSPP-20MJ	7253-14215	1 1/4-11	1 5/8-12	.92

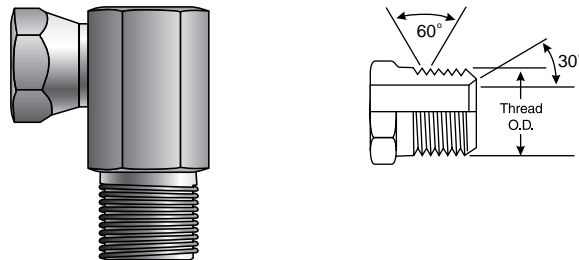



## British to SAE

### Female British Standard Pipe Parallel to Male JIC 37° Flare - Cont'd

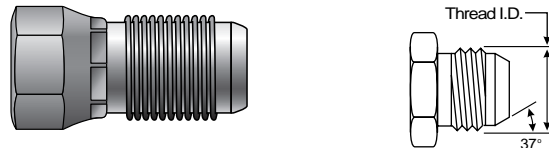
Descr.	Prod. No.			Weight Lbs.
		"	"	
24FBSPP-24MJ	7253-62415	1 1/2-11	1 7/8-12	1.05


### Female British Standard Pipe Parallel Swivel to Male Pipe NPTF - 90°



Descr.	Prod. No.			Weight Lbs.
		"	"	
2FBSPPX-2MP90	7253-62425	1/8-28	1/8-27	.05
4FBSPPX-4MP90	7253-62435	1/4-19	1/4-18	.10
6FBSPPX-6MP90	7253-62445	3/8-19	3/8-18	.20
8FBSPPX-8MP90	7253-62455	1/2-14	1/2-14	.35
12FBSPPX-12MP90	7253-62465	3/4-14	3/4-14	.55
16FBSPPX-16MP90	7253-62475	1-11	1-11 1/2	1.00
20FBSPPX-20MP90	7253-62485	1 1/4-11	1 1/4-11 1/2	1.70
24FBSPPX-24MP90	7253-62495	1 1/2-11	1 1/4-11 1/2	2.70

### Female British Standard Pipe Parallel Swivel to Male JIC 37° Flare



Descr.	Prod. No.			Weight Lbs.
		"	"	
2FBSPPX-4MJ	7253-62545	1/8-28	7/16-20	.05
4FBSPPX-4MJ	7253-15245	1/4-19	7/16-20	.07
4FBSPPX-5MJ	7253-62555	1/4-19	1/2-20	.05
4FBSPPX-6MJ	7253-62565	1/4-19	9/16-18	.05
6FBSPPX-4MJ	7253-62575	3/8-19	7/16-20	.15
6FBSPPX-5MJ	7253-62585	3/8-19	1/2-20	.15

EQUIPMENT

HOSE/CPLG.  
SELECTIONG8K  
COUPLINGSGLOBALSPIRAL  
COUPLINGSPCM/PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER  
CRIMP  
COUPLINGSLOC, GL AND  
GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGSC14  
COUPLINGSPCTS  
THERMO-  
PLASTIC  
COUPLINGSFIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGSFIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS

Powering Progress.


gates.com/hydraulics

R71

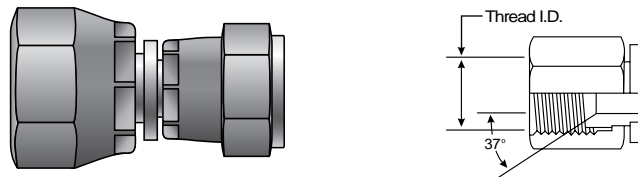



# British to SAE

## Female British Standard Pipe Parallel Swivel to Male JIC 37° Flare - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
6FBSPPX-6MJ	7253-15255	3/8-19	9/16-18	.15
6FBSPPX-8MJ	7253-62595	3/8-19	3/4-16	.15
6FBSPPX-10MJ	7253-62605	3/8-19	7/8-14	.15
8FBSPPX-6MJ	7253-62615	1/2-14	9/16-18	.15
8FBSPPX-8MJ	7253-15265	1/2-14	3/4-16	.24
8FBSPPX-10MJ	7253-62625	1/2-14	7/8-14	.20
10FBSPPX-8MJ	7253-62635	5/8-14	3/4-16	.20
10FBSPPX-10MJ	7253-15275	5/8-14	7/8-14	.27
12FBSPPX-8MJ	7253-62645	3/4-14	3/4-16	.35
12FBSPPX-10MJ	7253-62655	3/4-14	7/8-14	.35
12FBSPPX-12MJ	7253-15285	3/4-14	1 1/16-12	.53
12FBSPPX-16MJ	7253-62665	3/4-14	1 5/16-12	.45
16FBSPPX-12MJ	7253-62675	1-11	1 1/16-12	.55
16FBSPPX-16MJ	7253-15295	1-11	1 5/16-12	.47
20FBSPPX-20MJ	7253-62685	1 1/4-11	1 5/8-12	.90
24FBSPPX-24MJ	7253-62695	1 1/2-11	1 7/8-12	1.25

## Female British Standard Pipe Parallel Swivel to Female JIC 37° Flare Swivel



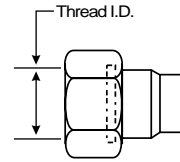
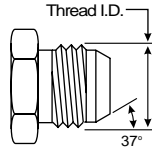
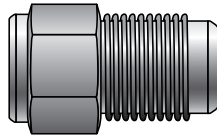
Descr.	Prod. No.			Weight
		"	"	Lbs.
4FBSPPX-4FJX	7253-15305	1/4-19	7/16-20	.02
4FBSPPX-6FJX	7253-62505	1/4-19	9/16-18	.05
6FBSPPX-6FJX	7253-15315	3/8-19	9/16-18	.02
6FBSPPX-8FJX	7253-62515	3/8-19	3/4-16	.15
8FBSPPX-6FJX	7253-62525	1/2-14	9/16-18	.15
8FBSPPX-8FJX	7253-15325	1/2-14	3/4-16	.20
10FBSPPX-10FJX	7253-15335	5/8-14	7/8-14	.21
12FBSPPX-12FJX	7253-15345	3/4-14	1 1/16-12	.40
16FBSPPX-16FJX	7253-15355	1-11	1 5/16-12	.42
20FBSPPX-20FJX	7253-62535	1 1/4-11	1 5/8-12	.80


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# British to SAE

## Female British Flat-Face O-Ring to Male JIC 37° Flare



Descr.	Prod. No.			Weight Lbs.
		"	"	
6FBFFOR-6MJ	7253-62705	3/8-19	9/16-18	.10
8FBFFOR-6MJ	7253-62715	1/2-14	9/16-18	.15
8FBFFOR-8MJ	7253-62725	1/2-14	3/4-16	.20
8FBFFOR-10MJ	7253-62735	1/2-14	7/8-14	.20
10FBFFOR-8MJ	7253-62745	5/8-14	3/4-16	.20
12FBFFOR-8MJ	7253-62755	3/4-14	3/4-16	.30
12FBFFOR-10MJ	7253-62765	3/4-14	7/8-14	.30
12FBFFOR-12MJ	7253-62775	3/4-14	1 1/16-12	.35

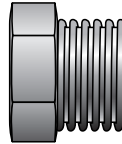
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
<b>ADAPTERS</b>
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS






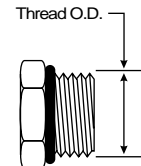
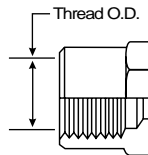
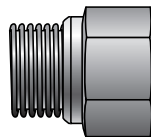
# Metric Conversion


## Male Metric O-Ring Plug



Descr.	Prod. No.		Weight
12MMOR-PLUG	7253-65415	M12X1.5	.01
14MMOR-PLUG	7253-65425	M14X1.5	.01
16MMOR-PLUG	7253-65435	M16X1.5	.05
18MMOR-PLUG	7253-65445	M18X1.5	.05
20MMOR-PLUG	7253-65455	M20X1.5	.05
22MMOR-PLUG	7253-65465	M22X1.5	.10
24MMOR-PLUG	7253-65475	M24X1.5	.10
26MMOR-PLUG	7253-65485	M26X1.5	.15
30MMOR-PLUG	7253-65495	M30X2.0	.15
36MMOR-PLUG	7253-65505	M36X2.0	.30
42MMOR-PLUG	7253-65515	M42X2.0	.45

## Male Metric with O-Ring to Female Pipe NPTF



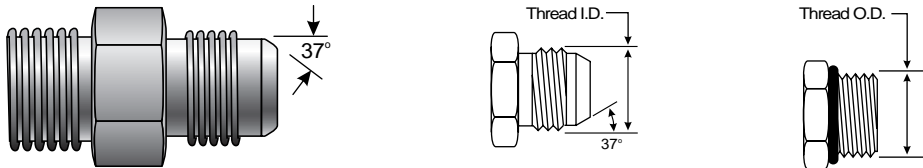
Descr.	Prod. No.			Weight
		"	"	Lbs.
10MM-2FP	7253-62785	M10X1.5	1/8-27	.05
12MM-2FP	7253-62795	M12X1.5	1/8-27	.03
12MM-4FP	7253-62805	M12X1.5	1/4-18	.05
12MM-6FP	7253-62815	M12X1.5	3/8-18	.10
14MM-4FP	7253-62825	M14X1.5	1/4-18	.05
16MM-6FP	7253-62835	M16X1.5	3/8-18	.10
16MM-8FP	7253-62845	M16X1.5	1/2-14	.25
18MM-6FP	7253-62855	M18X1.5	3/8-18	.15
18MM-8FP	7253-62865	M18X1.5	1/2-14	.25
20MM-4FP	7253-62875	M20X1.5	1/4-18	.30
20MM-6FP	7253-62885	M20X1.5	3/8-18	.30
20MM-8FP	7253-62895	M20X1.5	1/2-14	.20
22MM-6FP	7253-62905	M22X1.5	3/8-18	.25
22MM-8FP	7253-62915	M22X1.5	1/2-14	.25
22MM-12FP	7253-62925	M22X1.5	3/4-14	.35
24MM-12FP	7253-62935	M24X1.5	3/4-14	.35
26MM-12FP	7253-62945	M26X1.5	3/4-14	.18
27MM-12FP	7253-62955	M27X2.0	3/4-14	.35

# Metric Conversion

## Male Metric with O-Ring to Female Pipe NPTF - Cont'd

Descr.	Prod. No.			Weight
		"	"	
33MM-16FP	7253-62965	M33X2.0	1-11 1/2	.55

## Male Metric with O-Ring to Male JIC 37° Flare



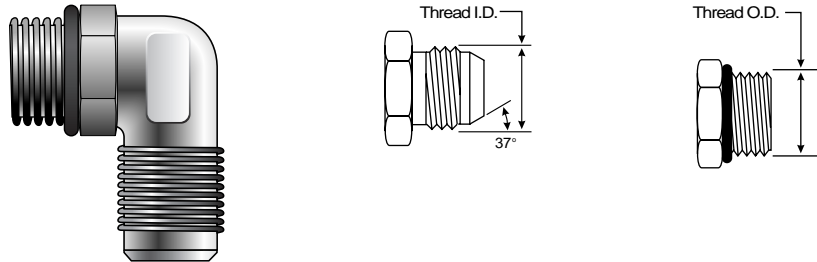
Descr.	Prod. No.			Weight
		"	"	
10MM-4MJ	7253-14355	M10X1.0	7/16-20	.10
12MM-4MJ	7253-14365	M12X1.5	7/16-20	.14
12MM-5MJ	7253-62975	M12X1.5	1/2-20	.05
12MM-6MJ	7253-62985	M12X1.5	9/16-18	.05
14MM-4MJ	7253-62995	M14X1.5	7/16-20	.05
14MM-6MJ	7253-14375	M14X1.5	9/16-18	.02
14MM-8MJ	7253-63005	M14X1.5	3/4-16	.10
16MM-5MJ	7253-63015	M16X1.5	1/2-20	.10
16MM-6MJ	7253-14385	M16X1.5	9/16-18	.02
16MM-8MJ	7253-14395	M16X1.5	3/4-16	.02
18MM-8MJ	7253-14405	M18X1.5	3/4-16	.02
18MM-10MJ	7253-14415	M18X1.5	7/8-14	.02
20MM-10MJ	7253-14425	M20X1.5	7/8-14	.20
22MM-8MJ	7253-63025	M22X1.5	3/4-16	.20
22MM-10MJ	7253-14435	M22X1.5	7/8-14	.28
22MM-12MJ	7253-14445	M22X1.5	1 1/16-12	.34
26MM-12MJ	7253-63035	M26X1.5	1 1/16-12	.35
27MM-12MJ	7253-14455	M27X2.0	1 1/16-12	.40
27MM-16MJ	7253-63045	M27X2.0	1 5/16-12	.40
33MM-16MJ	7253-14465	M33X2.0	1 5/16-12	.42
33MM-20MJ	7253-63055	M33X2.0	1 5/8-12	.60
42MM-20MJ	7253-14475	M42X2.0	1 5/8-12	.96
48MM-24MJ	7253-63065	M48X2.0	1 7/8-12	1.30

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



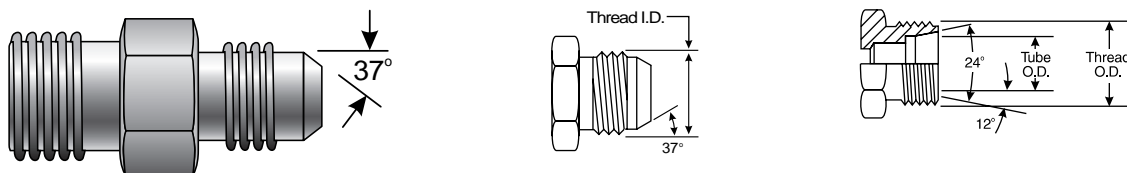
# Metric Conversion

## Male Metric with O-Ring to Male JIC 37° Flare - 90°



Descr.	Prod. No.			Weight
		"	"	Lbs.
10MM-4MJ90	7253-65585	M10X1.0	7/16-20	.05
12MM-4MJ90	7253-65595	M12X1.5	7/16-20	.10
12MM-5MJ90	7253-65615	M12X1.5	1/2-20	.10
12MM-6MJ90	7253-65625	M12X1.5	9/16-18	.40
14MM-4MJ90	7253-65605	M14X1.5	7/16-20	.10
14MM-6MJ90	7253-65635	M14X1.5	9/16-18	.10
16MM-6MJ90	7253-65645	M16X1.5	9/16-18	.20
16MM-8MJ90	7253-65655	M16X1.5	3/4-16	.20
18MM-8MJ90	7253-65665	M18X1.5	3/4-16	.25
18MM-10MJ90	7253-65685	M18X1.5	7/8-14	.35
20MM-10MJ90	7253-65695	M20X1.5	7/8-14	.35
22MM-8MJ90	7253-65675	M22X1.5	3/4-16	.35
22MM-10MJ90	7253-65705	M22X1.5	7/8-14	.35
22MM-12MJ90	7253-65715	M22X1.5	1 1/16-12	.55
26MM-12MJ90	7253-65725	M26X1.5	1 1/16-12	.65
27MM-16MJ90	7253-65735	M27X2.0	1 5/16-12	.95
33MM-16MJ90	7253-65745	M33X2.0	1 5/16-12	.95
42MM-20MJ90	7253-65755	M42X2.0	1 5/8-12	1.60


## Male DIN 24° Cone - Light Series to Male JIC 37° Flare



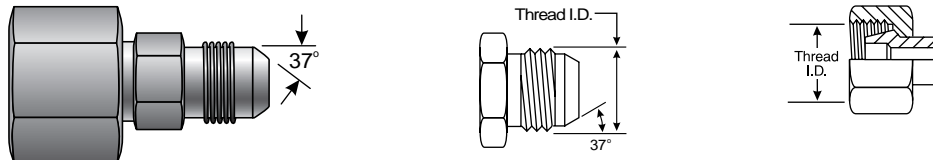
Descr.	Prod. No.			Weight
		"	"	Lbs.
6MDL-4MJ	7253-63075	M12X1.5	7/16-20	.05
8MDL-4MJ	7253-15365	M14X1.5	7/16-20	.08
8MDL-6MJ	7253-63095	M14X1.5	9/16-18	.05
10MDL-4MJ	7253-63105	M16X1.5	7/16-20	.05
10MDL-6MJ	7253-15375	M16X1.5	9/16-18	.09
10MDL-8MJ	7253-63115	M16X1.5	3/4-16	.10


# Metric Conversion

## Male DIN 24° Cone - Light Series to Male JIC 37° Flare - Cont'd

Descr.	Prod. No.			Weight Lbs.
		"	"	
12MDL-6MJ	7253-15585	M18X1.5	9/16-18	.21
12MDL-8MJ	7253-63135	M18X1.5	3/4-16	.15
15MDL-8MJ	7253-15385	M22X1.5	3/4-16	.02
15MDL-10MJ	7253-63145	M22X1.5	7/8-14	.20
15MDL-12MJ	7253-63155	M22X1.5	1 1/16-12	.25
18MDL-10MJ	7253-15515	M26X1.5	7/8-14	.33
18MDL-12MJ	7253-63165	M26X1.5	1 1/16-12	.30
22MDL-12MJ	7253-15395	M30X2.0	1 1/16-12	.26
28MDL-16MJ	7253-15405	M36X2.0	1 5/16-12	.40
35MDL-20MJ	7253-63175	M45X2.0	1 5/8-12	.85
42MDL-24MJ	7253-63185	M52X2.0	1 7/8-12	1.10

## Female DIN 24° Cone Swivel - Light Series to Male JIC 37° Flare



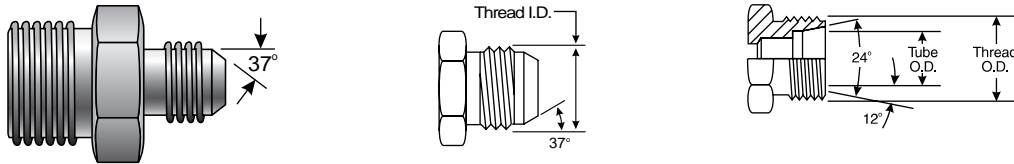
Descr.	Prod. No.			Weight Lbs.
		"	"	
6FDLX-4MJ	7253-64725	M12X1.5	7/16-20	.05
6FDLX-5MJ	7253-64735	M6X1.5	1/2-20	.05
8FDLX-4MJ	7253-15465	M14X1.5	7/16-20	.09
8FDLX-6MJ	7253-64755	M14X1.5	9/16-18	.05
10FDLX-6MJ	7253-15475	M16X1.5	9/16-18	.12
10FDLX-8MJ	7253-64775	M16X1.5	3/4-16	.15
12FDLX-6MJ	7253-15545	M18X1.5	9/16-18	.16
12FDLX-8MJ	7253-64795	M18X1.5	3/4-16	.15
12FDLX-10MJ	7253-64805	M18X1.5	7/8-14	.15
15FDLX-6MJ	7253-64815	M22X1.5	9/16-18	.15
15FDLX-8MJ	7253-15485	M22X1.5	3/4-16	.22
15FDLX-10MJ	7253-64835	M22X1.5	7/8-14	.20
22FDLX-12MJ	7253-15495	M30X2.0	1 1/16-12	.39
28FDLX-16MJ	7253-15505	M36X2.0	1 5/16-12	.51

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
<b>ADAPTERS</b>
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



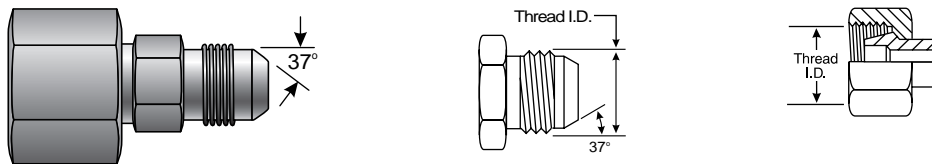
# Metric Conversion

## Male DIN 24° Cone - Heavy Series to Male JIC 37° Flare



Descr.	Prod. No.			Weight
		"	"	Lbs.
6MDH-4MJ	7253-63195	M14X1.5	7/16-20	.05
8MDH-4MJ	7253-63205	M16X1.5	7/16-20	.10
8MDH-6MJ	7253-63215	M16X1.5	9/16-18	.10
10MDH-4MJ	7253-15415	M18X1.5	7/16-20	.10
10MDH-8MJ	7253-63225	M18X1.5	3/4-16	.15
12MDH-6MJ	7253-63235	M20X1.5	9/16-18	.15
12MDH-8MJ	7253-63245	M20X1.5	3/4-16	.15
12MDH-10MJ	7253-63255	M20X1.5	7/8-14	.20
14MDH-6MJ	7253-15425	M22X1.5	9/16-18	.17
14MDH-8MJ	7253-63265	M22X1.5	3/4-16	.20
16MDH-8MJ	7253-15435	M24X1.5	3/4-16	.19
16MDH-10MJ	7253-63285	M24X1.5	1 7/8-12	.30
16MDH-12MJ	7253-63275	M24X1.5	1 1/16-12	.30
20MDH-10MJ	7253-15525	M30X2.0	7/8-14	.33
20MDH-12MJ	7253-63295	M30X2.0	1 1/16-12	.40
25MDH-12MJ	7253-15445	M36X2.0	1 1/16-12	.62
25MDH-16MJ	7253-63305	M36X2.0	1 5/16-12	.55
30MDH-16MJ	7253-15455	M42X2.0	1 5/16-12	.78
38MDH-20MJ	7253-63315	M52X2.0	1 5/8-12	1.20
38MDH-24MJ	7253-63325	M52X2.0	1 7/8-12	1.15


## Female DIN 24° Cone Swivel - Heavy Series to Male JIC 37° Flare



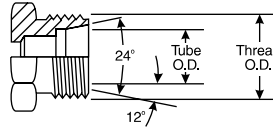
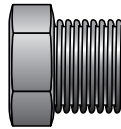
Descr.	Prod. No.			Weight
		"	"	Lbs.
10FDHX-4MJ	7253-15605	M18X1.5	7/16-20	.05
12FDHX-5MJ	7253-15615	M20X1.5	1/2-20	.19
12FDHX-6MJ	7253-64845	M20X1.5	9/16-18	.15
12FDHX-8MJ	7253-64855	M20X1.5	3/4-16	.15
12FDHX-10MJ	7253-64865	M20X1.5	7/8-14	.20
14FDHX-6MJ	7253-15625	M22X1.5	9/16-18	.15


# Metric Conversion

## Female DIN 24° Cone Swivel - Heavy Series to Male JIC 37° Flare - Cont'd

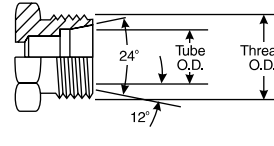
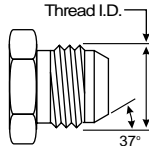
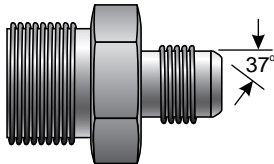
Descr.	Prod. No.			Weight
		"	"	Lbs.
16FDHX-8MJ	7253-15635	M24X1.5	3/4-16	.26
20FDHX-10MJ	7253-15645	M30X2.0	7/8-14	.33
25FDHX-12MJ	7253-15655	M36X2.0	1 1/16-12	.48
30FDHX-16MJ	7253-15665	M42X2.0	1 5/16-12	.86
38FDHX-20MJ	7253-15675	M52X2.0	1 5/8-12	.92


## Male Kobelco Plug



Descr.	Prod. No.		Weight
22MKB-PLUG	7253-65295	M30X1.5	.35

## Male Kobelco to Male JIC 37° Flare



Descr.	Prod. No.			Weight
		"	"	Lbs.
22MKB-12MJ	7253-66105	M30X1.5	1 1/16-12	.40
28MKB-12MJ	7253-65305	M36X1.5	1 1/16-12	.55
28MKB-16MJ	7253-65315	M36X1.5	1 5/16-12	.45
35MKB-16MJ	7253-65325	M45X1.5	1 5/16-12	.85
35MKB-20MJ	7253-65335	M45X1.5	1 5/8-12	.85

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

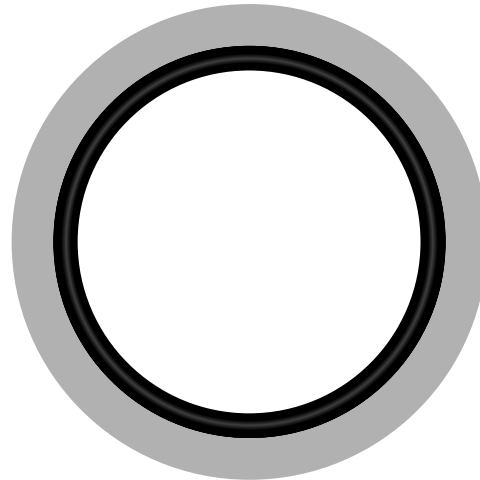
[gates.com/hydraulics](http://gates.com/hydraulics)

R79



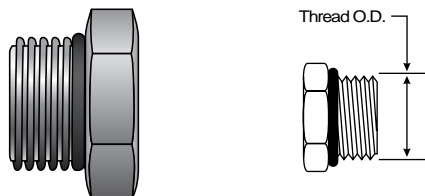
# International to International


## British Bonded Seal



Descr.	Prod. No.	⊖	Weight
		"	Lbs.
2BBDS	7253-63335	3/8	.01
4BBDS	7253-63345	17/32	.01
6BBDS	7253-63355	21/32	.01
8BBDS	7253-63365	13/16	.01
10BBDS	7253-63375	29/32	.01
12BBDS	7253-63385	1 1/32	.01
16BBDS	7253-63395	1 11/32	.01
20BBDS	7253-63405	1 21/32	.01
24BBDS	7253-63415	1 7/8	.01
32BBDS	7253-63425	2 11/32	.01
40BBDS	7253-63435	2 1/2	.05
48BBDS	7253-63445	3	.05

## Male British Standard Pipe Parallel with O-Ring Plug




Descr.	Prod. No.		Weight
2MBSPOR-PLUG	7253-65345	1/8-28	.01
4MBSPOR-PLUG	7253-65355	1/4-19	1.45
6MBSPOR-PLUG	7253-65365	3/8-19	.05
8MBSPOR-PLUG	7253-65375	1/2-14	.10
12MBSPOR-PLUG	7253-65385	3/4-14	.15

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

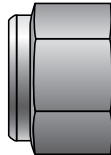



# International to International

## Male British Standard Pipe Parallel with O-Ring Plug - Cont'd

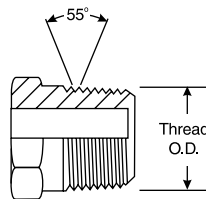
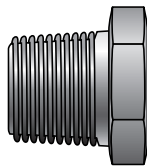
Descr.	Prod. No.		Weight
16MBSPOP-PLUG	7253-65395	1-11	.25
20MBSPOP-PLUG	7253-65405	1 1/4-11	.40


## Female British Standard Pipe Parallel Cap



Descr.	Prod. No.		Weight
2FBSPP-CAP	7253-63455	1/8-28	.01
4FBSPP-CAP	7253-63465	1/4-19	.05
6FBSPP-CAP	7253-63475	3/8-19	.10
8FBSPP-CAP	7253-63485	1/2-14	.15
10FBSPP-CAP	7253-63495	5/8-14	.15
12FBSPP-CAP	7253-63505	3/4-14	.20
16FBSPP-CAP	7253-63515	1-11	.30
20FBSPP-CAP	7253-63525	1 1/4-11	.55
24FBSPP-CAP	7253-63535	1 1/2-11	1.00
32FBSPP-CAP	7253-63545	2-11	1.80

## Male British Standard Pipe Tapered Thread Plug



Descr.	Prod. No.		Weight
2MBSPT-PLUG	7253-63555	1/8-28	.01
4MBSPT-PLUG	7253-63565	1/4-19	.05
6MBSPT-PLUG	7253-63575	3/8-19	.10
8MBSPT-PLUG	7253-63585	1/2-14	.15
10MBSPT-PLUG	7253-63595	5/8-14	.20
12MBSPT-PLUG	7253-63605	3/4-14	.30
16MBSPT-PLUG	7253-63615	1-11	.55
20MBSPT-PLUG	7253-63625	1 1/4-11	1.05
24MBSPT-PLUG	7253-63635	1 1/2-11	1.40

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
<b>ADAPTERS</b>
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS






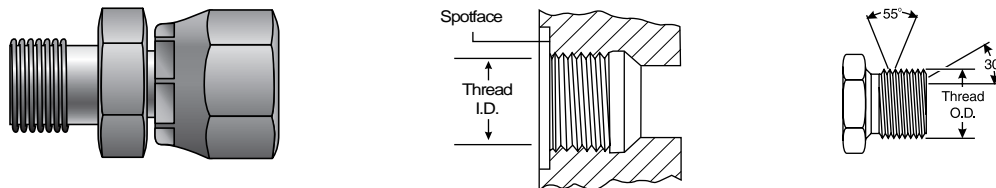
# International to International


## Male British Standard Pipe Parallel Plug



Descr.	Prod. No.		Weight
2MBSPP-PLUG	7253-63655	1/8-28	.01
4MBSPP-PLUG	7253-63665	1/4-19	.01
6MBSPP-PLUG	7253-63675	3/8-19	.05
8MBSPP-PLUG	7253-63685	1/2-14	.15
10MBSPP-PLUG	7253-63695	5/8-14	.15
12MBSPP-PLUG	7253-63705	3/4-14	.25
16MBSPP-PLUG	7253-63715	1-11	.45
20MBSPP-PLUG	7253-63725	1 1/4-11	.65
24MBSPP-PLUG	7253-63735	1 1/2-11	.80
32MBSPP-PLUG	7253-63745	2-11	1.65


## Male British Standard Pipe Parallel to Female British Standard Pipe Parallel Swivel



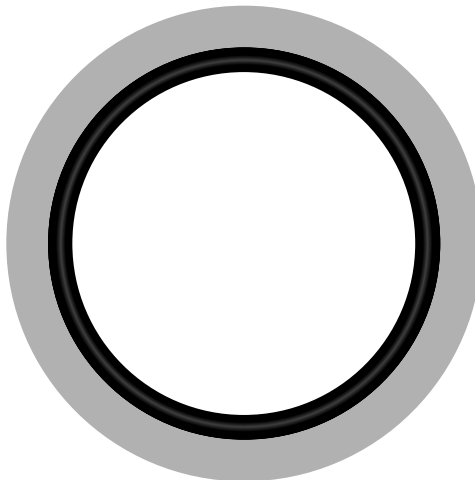
Descr.	Prod. No.			Weight
		"	"	Lbs.
2MBSPP-2FBSPPX	7253-63775	1/8-28	1/8-28	.05
2MBSPP-4FBSPPX	7253-63785	1/8-28	1/4-19	.05
4MBSPP-2FBSPPX	7253-63795	1/4-19	1/8-28	.05
4MBSPP-4FBSPPX	7253-15185	1/4-19	1/4-19	.10
4MBSPP-6FBSPPX	7253-63805	1/4-19	3/8-19	.10
4MBSPP-8FBSPPX	7253-63815	1/4-19	1/2-14	.15
6MBSPP-4FBSPPX	7253-63825	3/8-19	1/4-19	.10
6MBSPP-6FBSPPX	7253-15195	3/8-19	3/8-19	.03
6MBSPP-8FBSPPX	7253-63835	3/8-19	1/2-14	.25
8MBSPP-6FBSPPX	7253-63845	1/2-14	3/8-19	.15
8MBSPP-8FBSPPX	7253-15205	1/2-14	1/2-14	.21
8MBSPP-10FBSPPX	7253-63855	1/2-14	5/8-14	.20
8MBSPP-12FBSPPX	7253-63865	1/2-14	3/4-14	.35
10MBSPP-8FBSPPX	7253-63875	5/8-14	1/2-14	.25
10MBSPP-10FBSPPX	7253-15215	5/8-14	7/8-14	.21
10MBSPP-12FBSPPX	7253-63885	5/8-14	3/4-14	.30
12MBSPP-6FBSPPX	7253-63895	3/4-14	3/8-19	.30

# International to International

## Male British Standard Pipe Parallel to Female British Standard Pipe Parallel Swivel - Cont'd

Descr.	Prod. No.			Weight
		"	"	Lbs.
12MBSPP-8FBSPPX	7253-63905	3/4-14	1/2-14	.30
12MBSPP-10FBSPPX	7253-63915	3/4-14	5/8-14	.30
12MBSPP-12FBSPPX	7253-15225	3/4-14	3/4-14	.40
12MBSPP-16FBSPPX	7253-63925	3/4-14	1-11	.45
12MBSPP-20FBSPPX	7253-63935	3/4-14	1 1/4-11	.90
16MBSPP-12FBSPPX	7253-63945	1-11	3/4-14	.55
16MBSPP-16FBSPPX	7253-15235	1-11	1-11	.62
16MBSPP-20FBSPPX	7253-63955	1-11	1 1/4-11	.85
20MBSPP-16FBSPPX	7253-63965	1 1/4-11	1-11	.85
20MBSPP-20FBSPPX	7253-63975	1 1/4-11	1 1/4-11	.95
20MBSPP-24FBSPPX	7253-63985	1 1/4-11	1 1/2-11	1.15
24MBSPP-20FBSPPX	7253-63995	1 1/2-11	1 1/4-11	1.05
24MBSPP-24FBSPPX	7253-64005	1 1/2-11	1 1/2-11	1.30
32MBSPP-32FBSPPX	7253-64015	2-11	2-11	2.15

## Metric Bonded Seal



Descr.	Prod. No.	Hose I.D. (mm)	Weight
6MBDS	7253-64025	6.0	.01
8MBDS	7253-64035	8.0	.01
10MBDS	7253-64045	10.0	.01
12MBDS	7253-64055	12.0	.01
14MBDS	7253-64065	14.0	.01
16MBDS	7253-64075	16.0	.01
18MBDS	7253-64085	18.0	.01
20MBDS	7253-64095	20.0	.01
22MBDS	7253-64105	22.0	.01
24MBDS	7253-64115	24.0	.01

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



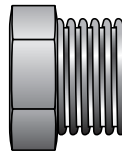



# International to International

## Metric Bonded Seal - Cont'd

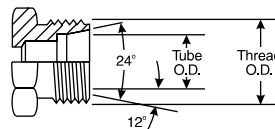
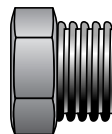
Descr.	Prod. No.	Hose I.D. (mm)	Weight
26MBDS	7253-64125	26.0	.01
27MBDS	7253-64135	27.0	.01
30MBDS	7253-64145	30.0	.01
33MBDS	7253-64155	33.0	.01
36MBDS	7253-64165	36.0	.01
42MBDS	7253-64175	42.0	.01
45MBDS	7253-64185	45.0	.01
50MBDS	7253-64195	50.0	.02
52MBDS	7253-64205	52.0	.01


## Male Metric Plug



Descr.	Prod. No.		Weight
8MM-PLUG	7253-64215	M08X1.0	.01
10MM-PLUG	7253-64225	M10X1.5	.01
12MM-PLUG	7253-64235	M12X1.5	.01
14MM-PLUG	7253-64245	M14X1.5	.05
16MM-PLUG	7253-64255	M16X1.5	.05
18MM-PLUG	7253-64265	M18X1.5	.10
20MM-PLUG	7253-64275	M20X1.5	.10
22MM-PLUG	7253-64285	M22X1.5	.15
24MM-PLUG	7253-64295	M24X1.5	.15
26MM-PLUG	7253-64305	M26X1.5	.15
30MM-PLUG	7253-64315	M30X1.5	.40

## Male DIN 24° Cone - Light Series Plug




Descr.	Prod. No.		Weight
6MDL-PLUG	7253-64325	M12X1.5	.01
8MDL-PLUG	7253-64335	M14X1.5	.01
10MDL-PLUG	7253-64345	M16X1.5	.01
12MDL-PLUG	7253-64355	M18X1.5	.05
15MDL-PLUG	7253-64365	M22X1.5	.05
18MDL-PLUG	7253-64375	M26X1.5	.10

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

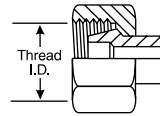
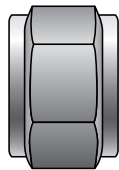



# International to International

## Male DIN 24° Cone - Light Series Plug - Cont'd

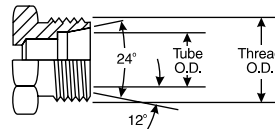
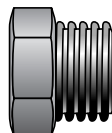
Descr.	Prod. No.		Weight
22MDL-PLUG	7253-64385	M30X2.0	.15
28MDL-PLUG	7253-64395	M36X2.0	.30
35MDL-PLUG	7253-64405	M45X2.0	.45
42MDL-PLUG	7253-64415	M52X2.0	.70


## Female DIN 24° Cone - Light Series Cap



Descr.	Prod. No.		Weight
6FDL-CAP	7253-64425	M12X1.5	.01
8FDL-CAP	7253-64435	M14X1.5	.01
10FDL-CAP	7253-64445	M16X1.5	.05
12FDL-CAP	7253-64455	M18X1.5	.05
15FDL-CAP	7253-64465	M22X1.5	.15
18FDL-CAP	7253-64475	M26X1.5	.20
22FDL-CAP	7253-64485	M30X2.0	.30
28FDL-CAP	7253-64495	M36X2.0	.35
35FDL-CAP	7253-64505	M45X2.0	.60
42FDL-CAP	7253-64515	M52X2.0	.43

## Male DIN 24° Cone - Heavy Series Plug



Descr.	Prod. No.		Weight
8MDH-PLUG	7253-64535	M16X1.5	.05
10MDH-PLUG	7253-64545	M18X1.5	.05
12MDH-PLUG	7253-64555	M20X1.5	.10
14MDH-PLUG	7253-64565	M22X1.5	.10
16MDH-PLUG	7253-64575	M24X1.5	.15
20MDH-PLUG	7253-64585	M30X2.0	.25
25MDH-PLUG	7253-64595	M36X2.0	.50
30MDH-PLUG	7253-64605	M42X2.0	.65
38MDH-PLUG	7253-64615	M52X2.0	1.10

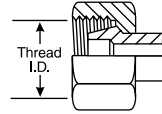
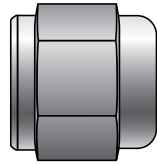
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS






# International to International

## Female DIN 24° Cone - Heavy Series Cap



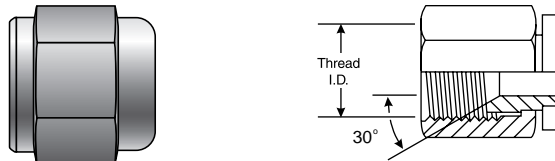
Descr.	Prod. No.		Weight
8FDH-CAP	7253-64635	M16X1.5	.05
10FDH-CAP	7253-64645	M18X1.5	.05
12FDH-CAP	7253-64655	M20X1.5	.10
14FDH-CAP	7253-64665	M22X1.5	.15
16FDH-CAP	7253-64675	M24X1.5	.20
20FDH-CAP	7253-64685	M30X2.0	.35
25FDH-CAP	7253-64695	M36X2.0	.60
30FDH-CAP	7253-64705	M42X2.0	.75
38FDH-CAP	7253-64715	M52X2.0	1.15


- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



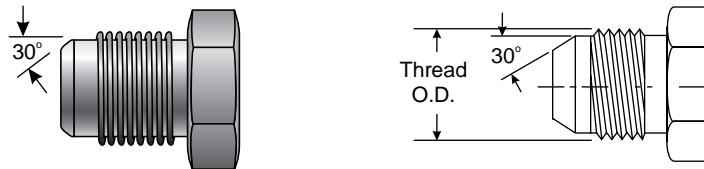
# Japanese Conversion


## Female Japanese Industrial Standard Cap



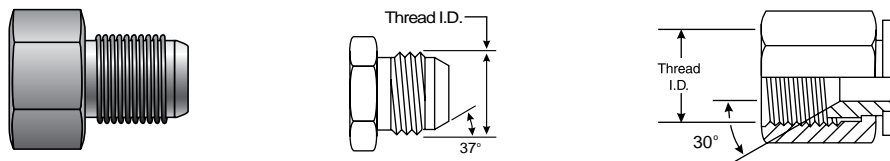
Descr.	Prod. No.		Weight
4FJIS-CAP	7253-64875	1/4-19	.05
6FJIS-CAP	7253-64885	3/8-19	.10
8FJIS-CAP	7253-64895	1/2-14	.15
12FJIS-CAP	7253-64905	3/4-14	.30
16FJIS-CAP	7253-64915	1-11	.65
20FJIS-CAP	7253-64925	1 1/4-11	1.20
32FJIS-CAP	7253-64945	2-11	3.50


## Male Japanese Industrial Standard Plug



Descr.	Prod. No.		Weight
4MJIS-PLUG	7253-64955	1/4-19	.05
6MJIS-PLUG	7253-64965	3/8-19	.10
8MJIS-PLUG	7253-64975	1/2-14	.15
12MJIS-PLUG	7253-64985	3/4-14	.35
16MJIS-PLUG	7253-64995	1-11	.55
20MJIS-PLUG	7253-65005	1 1/4-11	1.00
24MJIS-PLUG	7253-65015	1 1/2-11	1.50
32MJIS-PLUG	7253-65025	2-11	2.75

## Female Japanese Industrial Standard to Male JIC 37° Flare



Descr.	Prod. No.			Weight
		"	"	Lbs.
4FJIS-4MJ	7253-65035	1/4-19	7/16-20	.05

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS




Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

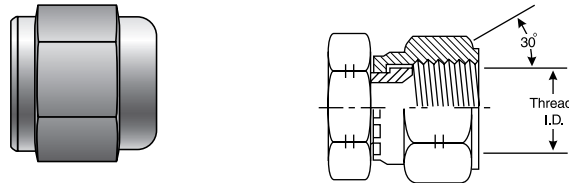
R87


# Japanese Conversion

## Female Japanese Industrial Standard to Male JIC 37° Flare - Cont'd

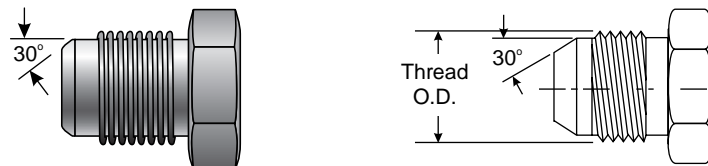
Descr.	Prod. No.			Weight
		"	"	Lbs.
6FJIS-4MJ	7253-65045	3/8-19	7/16-20	.15
6FJIS-6MJ	7253-65055	3/8-19	9/16-18	.15
8FJIS-8MJ	7253-65075	1/2-14	3/4-16	.20
12FJIS-12MJ	7253-65085	3/4-14	1 1/16-12	.45
16FJIS-16MJ	7253-65095	1-11	1 5/16-12	.55
20FJIS-20MJ	7253-65105	1 1/4-11	1 5/8-12	1.10


### Female Komatsu Cap



Descr.	Prod. No.		Weight
4FK-CAP	7253-65115	M14X1.5	.45
6FK-CAP	7253-65125	M18X1.5	.10
8FK-CAP	7253-65135	M22X1.5	.15
10FK-CAP	7253-65145	M24X1.5	.20
12FK-CAP	7253-65155	M30X1.5	.50
16FK-CAP	7253-65165	M33X1.5	.65

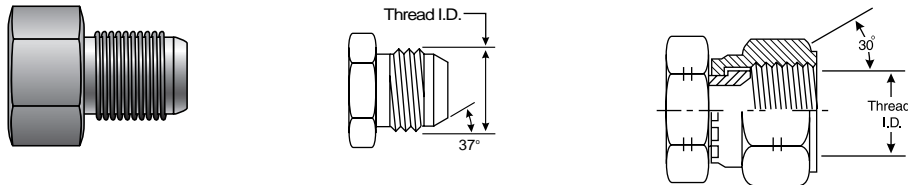
### Male Komatsu Plug



Descr.	Prod. No.		Weight
4MK-PLUG	7253-65175	M14X1.5	.05
6MK-PLUG	7253-65185	M18X1.5	.10
8MK-PLUG	7253-65195	M22X1.5	.15
10MK-PLUG	7253-65205	M24X1.5	.25
12MK-PLUG	7253-65215	M30X1.5	.55
16MK-PLUG	7253-65225	M33X1.5	.60

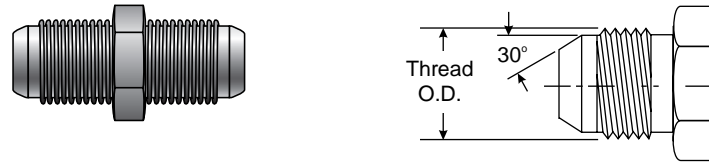
# Japanese Conversion

## Female Komatsu to Male JIC 37° Flare



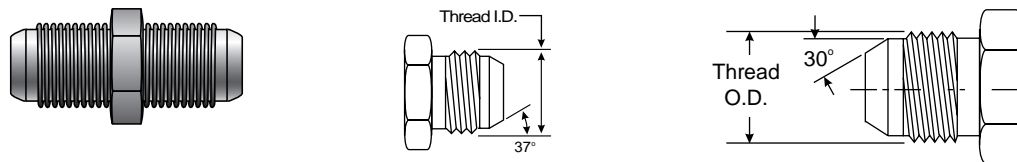
Descr.	Prod. No.			Weight Lbs.
		"	"	
4FK-4MJ	7253-65235	M14X1.5	7/16-20	.05
6FK-6MJ	7253-65245	M18X1.5	9/16-18	.10
8FK-8MJ	7253-65255	M22X1.5	3/4-16	.20
10FK-10MJ	7253-65265	M24X1.5	7/8-14	.20
12FK-12MJ	7253-65275	M30X1.5	1 1/16-12	.60
16FK-16MJ	7253-65285	M33X1.5	1 5/16-12	.60

## Male Komatsu to Male Komatsu



Descr.	Prod. No.			Weight Lbs.
		"	"	
4MK-4MK	7253-65765	M14X1.5		.05
6MK-6MK	7253-65775	M18X1.5		.15
8MK-8MK	7253-65785	M22X1.5		.25
10MK-10MK	7253-65795	M24X1.5		.30
12MK-12MK	7253-65805	M30X1.5		.55
16MK-16MK	7253-65815	M33X1.5		.75

## Male Komatsu to Male JIC 37° Flare



Descr.	Prod. No.			Weight Lbs.
		"	"	
4MK-4MJ	7253-65825	M14X1.5	1/2-20	.05
6MK-6MJ	7253-65835	M18X1.5	9/16-18	.10
8MK-8MJ	7253-65845	M22X1.5	3/4-16	.20

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



Powering Progress.


gates.com/hydraulics

R89

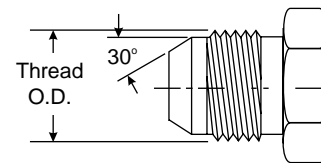
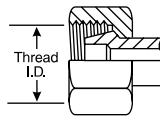
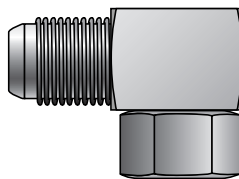



# Japanese Conversion

## Male Komatsu to Male JIC 37° Flare - Cont'd

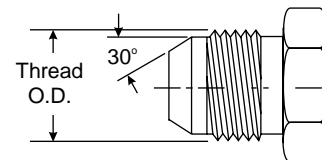
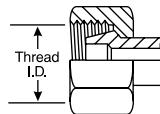
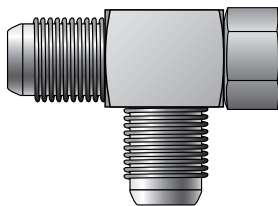
Descr.	Prod. No.			Weight
		"	"	Lbs.
10MK-10MJ	7253-65855	M24X1.5	7/8-14	.30
12MK-12MJ	7253-65865	M30X1.5	1 1/16-12	.45
16MK-16MJ	7253-65875	M33X1.5	1 5/16-12	.60


## Male Komatsu to Female Komatsu - 90°



Descr.	Prod. No.			Weight
		"	"	Lbs.
4MK-4FK90	7253-65945	M14X1.5	M14X1.5	.15
6MK-6FK90	7253-65965	M18X1.5	M18X1.5	.25
8MK-8FK90	7253-65975	M22X1.5	M22X1.5	.35
10MK-10FK90	7253-65985	M24X1.5	M24X1.5	.60
12MK-12FK90	7253-65995	M30X1.5	M30X1.5	.90
16MK-16FK90	7253-66005	M33X1.5	M33X1.5	1.00

## Male Komatsu to Female Komatsu to Male Komatsu - Tee

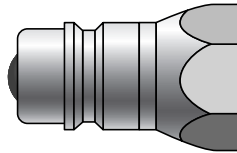





Descr.	Prod. No.			Weight
		"	"	Lbs.
4MK-4FK-4MK	7253-65885	M14X1.5	M14X1.5	.15
6MK-6FK-6MK	7253-65905	M18X1.5	M18X1.5	.30
8MK-8FK-8MK	7253-65915	M22X1.5	M22X1.5	.50
10MK-10FK-10MK	7253-65925	M24X1.5	M24X1.5	.80
12MK-12FK-12MK	7253-65935	M30X1.5	M30X1.5	1.15

# Quick Disconnect Couplers

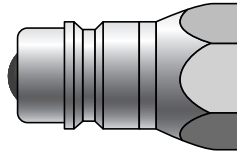
## G940 Series (Agriculture Standard-Ball Valve)




### Male Ball Valve to Female Pipe



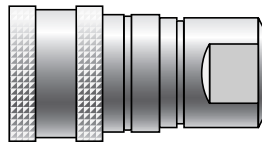
Descr.	Prod. No.				Weight
4MQBA-4FP	7252-89315	1/4-18	4000	12000	.09
6MQBA-6FP	7252-89345	3/8-18	3000	9000	.19
8MQBA-8FP	7252-89325	1/2-14	3000	10500	.30
8MQBA-12FP	7252-89305	1/2-14	3000	10500	.28
12MQBA-12FP	7252-89685	3/4-14	4000	11000	.37




### Male Ball Valve to Female O-Ring Boss



Descr.	Prod. No.				Weight
8MQBA-8FB	7252-89335	3/4-16	3000	10500	.28

### Female Ball Valve To Female Pipe



Descr.	Prod. No.				Weight
4FQBA-4FP	7252-89415	1/4-18	4000	12000	.28
6FQBADA-6FP	7252-89695	3/8-18	3000	9000	.52
8FQBA-8FP	7252-89425	1/2-14	3000	10500	.55
8FQBADA-8FP	7252-89445	1/2-14	3000	10500	.63
8FQBADA-12FP	7252-89705	1/2-14	3000	10500	.75
12FQBA-12FP	7252-89715	3/4-14	4000	11000	1.09

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
<b>QUICK DISCONNECT COUPLERS</b>
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

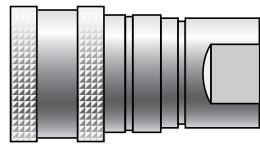







# Quick Disconnect Couplers

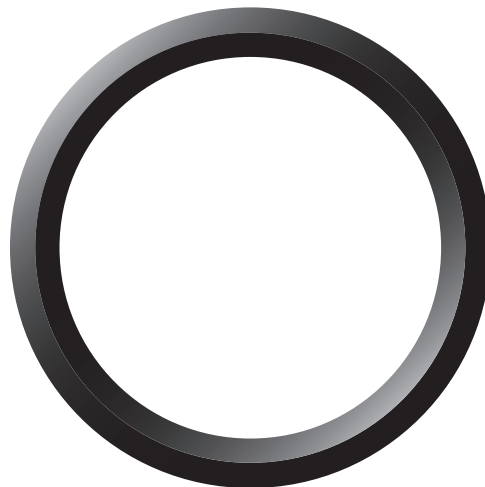
## G940 Series (Agriculture Standard-Ball Valve) - Cont'd

### Female Ball Valve To Female O-Ring Boss



Descr.	Prod. No.				Weight
8FQBA-8FB	7252-89435	3/4-16	3000	10500	.63

### O-Ring



Descr.	Prod. No.	Weight
4QDAOR	7252-59415	.05
6QDAOR	7252-59695	.05
8QDAOR	7252-59425	.05
12QDAOR	7252-59715	.05

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



# Quick Disconnect Couplers

## G940 and G941 Series (Agricultural)

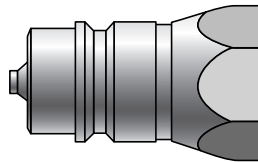
### QD Plug/Cap Combination






Descr.	Prod. No.	Weight
4QDADP/C	7252-87685	.05
6QDADP/C	7252-87695	.05
8QDADP/C	7252-87705	.07

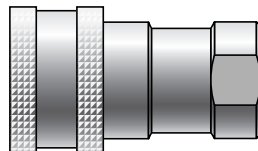
## G941 Series (Agriculture Standard-Poppet Valve)




### Male Poppet Valve to Female Pipe



Descr.	Prod. No.				Weight
4MQPA-4FP	7252-89725	1/4-18	3000	12000	.11
6MQPA-6FP	7252-89735	3/8-18	3000	12000	.18
8MQPA-8FP	7252-89365	1/2-14	4000	16000	.30
16MQPA-16FP	7252-89745	1-11 1/2	3000	12000	.60

### Female Poppet Valve to Female Pipe



Descr.	Prod. No.				Weight
4FQPA-4FP	7252-89755	1/4-18	3000	12000	.30
6FQPA-6FP	7252-89765	3/8-18	3000	12000	.57

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
<b>QUICK DISCONNECT COUPLERS</b>
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Quick Disconnect Couplers

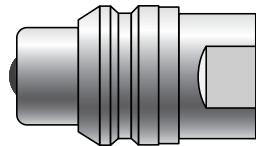
## G941 Series (Agriculture Standard-Poppet Valve) - Cont'd

### Female Poppet Valve to Female Pipe - Cont'd

Descr.	Prod. No.				Weight
8FQPA-8FP	7252-89775	1/2-14	4000	16000	.56
16FQPA-16FP	7252-89785	1-11 1/2	3000	12000	1.72

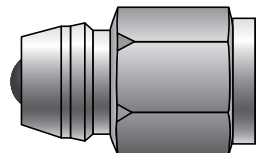
## G942 Series (John Deere Old Style)

### Male Ball Valve to Female Pipe



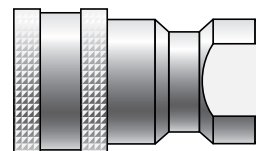
Descr.	Prod. No.			Weight
8MQBAJD-8FP	7252-89355	1/2-14	3000	.27

### Male Ball Valve to Female O-Ring Boss



Descr.	Prod. No.			Weight
8MQBAJD-8FB	7252-89375	3/4-16	3000	.28

### Female Ball Valve to Female Pipe

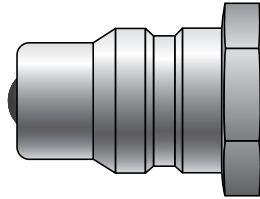




Descr.	Prod. No.			Weight
8FQBAJD-8FP	7252-89455	1/2-14	3000	.75

# Quick Disconnect Couplers

## G943 Series (International Harvester Old Style)

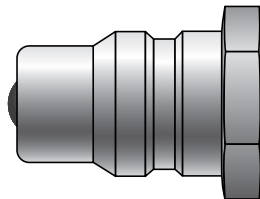
### Male Tip - Ball Valve to Female Pipe





Descr.	Prod. No.			Weight
8MQBAIHC-8FP	7252-89385	1/2-14	2500	.37

## G944 Series (J.I. Case Old Style)

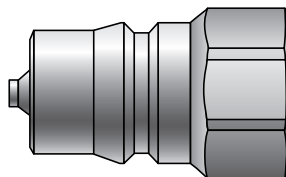
### Male Tip - Ball Valve to Female Pipe






Descr.	Prod. No.			Weight
8MQBAJIC-8FP	7252-89395	1/2-14	3000	.28

## G945 Series (Industrial ISO 7241-1 - Series B)

### Male Poppet Valve to Female Pipe



Descr.	Prod. No.				Weight
4MQPI-4FP	7252-89015	1/4-18	7500	30000	.10
6MQPI-6FP	7252-89025	3/8-18	5000	20000	.15
8MQPI-8FP	7252-89035	1/2-14	5000	20000	.27

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
<b>QUICK DISCONNECT COUPLERS</b>
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS








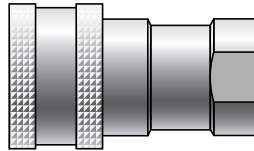
# Quick Disconnect Couplers




## G945 Series (Industrial ISO 7241-1 - Series B) - Cont'd

### Male Poppet Valve to Female Pipe - Cont'd

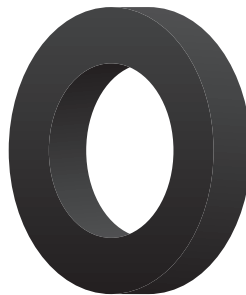
Descr.	Prod. No.				Weight
12MQPI-12FP	7252-89045	3/4-14	4000	16000	.44
16MQPI-16FP	7252-89055	1-11 1/2	4000	16000	.77

### Female Poppet Valve to Female Pipe



Descr.	Prod. No.				Weight
4FQPI-4FP	7252-89115	1/4-18	7500	30000	.31
6FQPI-6FP	7252-89125	3/8-18	5000	20000	.51
8FQPI-8FP	7252-89135	1/2-14	5000	20000	.91
12FQPI-12FP	7252-89145	3/4-14	4000	16000	1.77
16FQPI-16FP	7252-89155	1-11 1/2	4000	16000	2.54

### Backup Ring



Descr.	Prod. No.	Weight
4QDIBR	7252-49115	.05
6QDIBR	7252-49125	.05
8QDIBR	7252-49135	.05
12QDIBR	7252-49145	.05
16QDIBR	7252-49155	.05

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



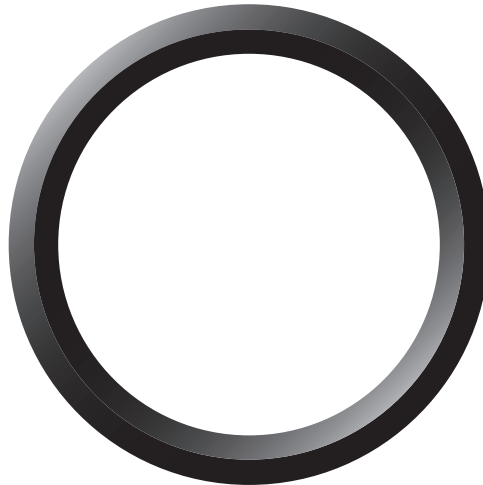
# Quick Disconnect Couplers

## G945 Series (Industrial ISO 7241-1 - Series B) - Cont'd

### O-Ring

**Caution:** These O-Rings are compounded from a Nitrile polymer for use with petroleum-base hydraulic fluids, water and glycol and oil-water emulsions.

DO NOT USE these O-Rings with phosphate esters, diesters or phosphate ester emulsion hydraulic fluids. Instead, use O-Rings made of Viton, EPDM or CPE polymers or other materials compatible with the fluids.  
90 Durometer Hardness.



Descr.	Prod. No.	Weight
4QDIOR	7252-59115	.05
6QDIOR	7252-59125	.05
8QDIOR	7252-59135	.05
12QDIOR	7252-59145	.05
16QDIOR	7252-59155	.05

### QD Plug/Cap Combination



Descr.	Prod. No.	Weight
4QDIDP/C	7252-87005	.05
6QDIDP/C	7252-87595	.05
8QDIDP/C	7252-87605	.05
12QDIDP/C	7252-87615	.15

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Quick Disconnect Couplers

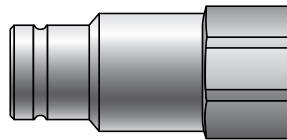
## G945 Series (Industrial ISO 7241-1 - Series B) - Cont'd

### QD Plug/Cap Combination - Cont'd

Descr.	Prod. No.	Weight
16QDIDP/C	7252-87625	.20

## G949 Series (Flush Face - HTMA)

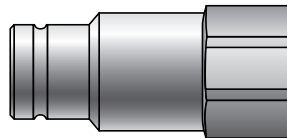
### Male Flush Face Valve to Female O-Ring Boss



Descr.	Prod. No.				Weight
4MQFF-4FB	7252-87055	7/16-20	3000	12000	.25
6MQFF-8FB	7252-88025	3/4-16	3000	12000	.02
8CPMQFF-8FB*	7252-87445	3/4-16	3000	12000	1.00
8CPMQFF-10FB*	7252-87455	7/8-14	3000	12000	.90
8CPMQFF-12FB*	7252-87465	7/8-14	3000	12000	.85
8MQFF-8FB	7252-87065	3/4-16	3000	12000	.65
8MQFF-12FB	7252-87075	1 1/16-12	3000	12000	.60
10MQFF-12FB	7252-87085	1 1/16-12	3000	12000	.85
12MQFF-12FB	7252-87095	1 1/16-12	3000	12000	1.10
16MQFF-16FB	7252-87105	1 5/16-12	3000	12000	1.60

\* Connect-under-pressure coupler.

### Male Flush Face Valve to Female Pipe






Descr.	Prod. No.				Weight
4MQFF-4FP	7252-87015	1/4-18	3000	12000	.20
6MQFF-6FP	7252-88005	3/8-18	3000	12000	.25
6MQFF-8FP	7252-88015	3/8-14	3000	12000	.29
8CPMQFF-8FP*	7252-87435	1/2-14	3000	12000	1.00
8MQFF-8FP	7252-87025	1/2-14	3000	12000	.70
12MQFF-12FP	7252-87035	3/4-14	3000	12000	1.15

# Quick Disconnect Couplers

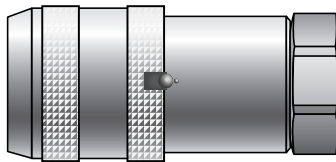
## G949 Series (Flush Face - HTMA) - Cont'd




### Male Flush Face Valve to Female Pipe - Cont'd

Descr.	Prod. No.				Weight
16MQFF-16FP	7252-87045	1-11 1/2	3000	12000	1.65

\* Connect-under-pressure coupler.

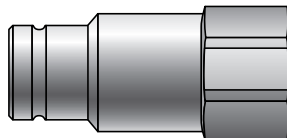
### Female Flush Face Valve to Female O-Ring Boss






Descr.	Prod. No.				Weight
4FQFF-4FB	7252-87195	7/16-20	3000	12000	.40
6FQFF-8FB	7252-88055	3/4-16	3000	12000	.44
8CPFQFF-8FB*	7252-87485	3/4-16	3000	12000	1.25
8CPFQFF-10FB*	7252-87495	7/8-14	3000	12000	1.25
8CPFQFF-12FB*	7252-87505	1 1/6-12	3000	12000	1.15
8FQFF-8FB	7252-87205	3/4-16	3000	12000	1.05
8FQFF-12FB	7252-87215	1 1/6-12	3000	12000	1.05
10FQFF-12FB	7252-87225	1 1/6-12	3000	12000	1.20
12FQFF-12FB	7252-87235	1 1/6-12	3000	12000	1.75
16FQFF-16FB	7252-87245	1 5/16-12	3000	12000	2.85

\* Connect-under-pressure coupler.

### Male Flush Face Valve to Female British Pipe Parallel



Descr.	Prod. No.				Weight
4MQFF-4FBPP	7252-87115	1/4-19	4568	18270	.20
8MQFF-8FBPP	7252-87125	1/2-14	3625	14500	.65
12MQFF-12FBPP	7252-87135	3/4-14	3625	14500	1.15
16MQFF-16FBPP	7252-87145	1-11	2900	11600	1.60

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

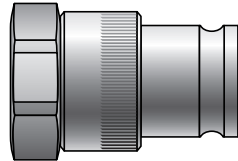







# Quick Disconnect Couplers

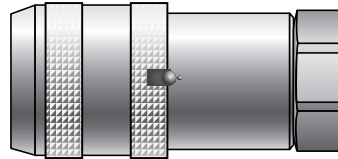
## G949 Series (Flush Face - HTMA) - Cont'd




### Male Flush Face Valve to JIC 37° Flare Bulkhead



Descr.	Prod. No.				Weight
8MQFF-10BKHD	7252-87395	7/8-14	3625	14500	.65
10MQFF-12BKHD	7252-87405	1 1/16-12	3625	14500	.95

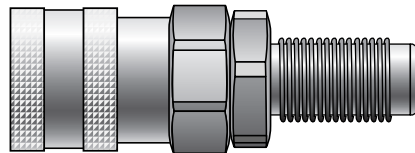
### Female Flush Face Valve to Female Pipe






Descr.	Prod. No.				Weight
4FQFF-4FP	7252-87155	1/4-18	3000	12000	.40
6FQFF-6FP	7252-88035	3/8-18	3000	12000	.48
6FQFF-8FP	7252-88045	1/2-14	3000	12000	.44
8CPFQFF-8FP*	7252-87475	1/2-14	3000	12000	1.20
8FQFF-8FP	7252-87165	1/2-14	3000	12000	1.15
12FQFF-12FP	7252-87175	3/4-14	3000	12000	1.75
16FQFF-16FP	7252-87185	1-11 1/2	3000	12000	2.90

\* Connect-under-pressure coupler.

### Female Flush Face to JIC 37° Flare Bulkhead



Descr.	Prod. No.				Weight
8FQFF-10BKHD	7252-87415	7/8-14	3625	14500	1.10
10FQFF-12BKHD	7252-87425	1 1/16-12	3625	14500	1.25

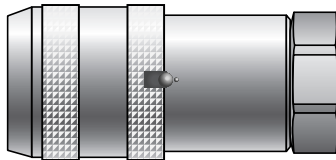
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS






# Quick Disconnect Couplers

## G949 Series (Flush Face - HTMA) - Cont'd

### Female Flush Face Valve to Female British Pipe Parallel



Descr.	Prod. No.				Weight
8FQFF-8FBPP	7252-87265	1/2-14	3625	14500	1.10
12FQFF-12FBPP	7252-87275	3/4-14	3625	14500	1.75
16FQFF-16FBPP	7252-87285	1-11	2900	11600	2.90

### Dust Plug/Cap Combination



Descr.	Prod. No.	Weight
4QDFFDP/C	7252-87535	.02
6QDFFDP/C	7252-87545	.02
8QDFFDP/C	7252-87555	.02
10QDFFDP/C	7252-87565	.02
12QDFFDP/C	7252-87575	.20
16QDFFDP/C	7252-87585	.20

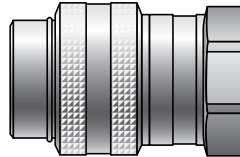
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Quick Disconnect Couplers

## G950 Series (Flush Face - High Pressure)

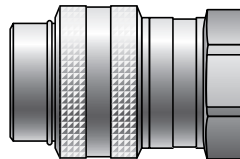
### Male Flush Face Valve



Descr.	Prod. No.				Weight
6MQFFH-4FP	7252-88085	3/8-18	10000	20000	.40
6MQFFH-6FP	7252-88095	3/8-18	10000	20000	.50
8MQFFH-8FP	7252-88145	1/2-14	5000	10000	.63
12MQFFH-12FP	7252-88155	3/4-14	5000	10000	1.01
16MQFFH-16FP	7252-88165	1-11 1/2	5000	10000	1.06
16MQFFH-16FPA*	7252-88325	1-11 1/2	5000	10000	1.61

\* This coupling features a higher working pressure and flatter face for minimization of fluid loss.

### Female Flush Face Valve



Descr.	Prod. No.				Weight
6FQFFH-4FP	7252-88105	3/8-18	10000	20000	.68
6FQFFH-6FP	7252-88115	3/8-18	10000	20000	.68
8FQFFH-8FP	7252-88175	1/2-14	5000	10000	1.20
12FQFFH-12FP	7252-88185	3/4-14	5000	10000	1.85
16FQFFH-16FP	7252-88195	1-11 1/2	5000	10000	3.68
16FQFFH-16FPA*	7252-88335	1-11 1/2	5000	10000	2.80

\* This coupling features a higher working pressure and flatter face for minimization of fluid loss.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Quick Disconnect Couplers

## G950 Series (Flush Face - High Pressure) - Cont'd

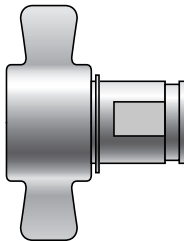
### QD Plug/Cap Combination






Descr.	Prod. No.	Weight
6QDFFHDP/C	7252-87715	.10
8QDFFHDP/C	7252-87725	.10
12QDFFHDP/C	7252-87735	.20
16QDFFHDP/C	7252-87745	.24

## G951 Series (Wing Nut)

### Female (Brass) - Wing Nut (Cast Iron)



Descr.	Prod. No.				Weight
12FQW-12FP	7252-88585	3/4-14	3000	9000	1.21
16FQW-16FP	7252-88595	1-11 1/2	3000	9000	1.80
20FQW-20FP	7252-88605	1 5/8-12	2750	8250	2.75
24FQW-24FP	7252-88615	1 7/8-12	2500	7500	3.54

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

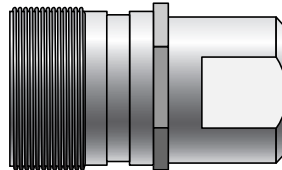







# Quick Disconnect Couplers

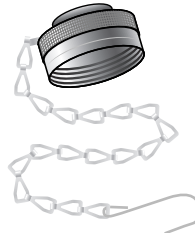
## G951 Series (Wing Nut) - Cont'd

### Male (Brass) - Less Flange



Descr.	Prod. No.				Weight
12MQW-12FP	7252-88525	3/4-14	3000	9000	.74
16MQW-16FP	7252-88535	1-11 1/2	3000	9000	1.22
20MQW-20FP	7252-88545	1 5/8-12	2750	8250	1.65
24MQW-24FP	7252-88555	1 7/8-12	2500	7500	2.50

### Dust Cap



Descr.	Prod. No.	Weight
12QWDC	7252-88705	.34
16QWDC	7252-88715	.38
20QWDC	7252-88725	.39
24QWDC	7252-88735	.60

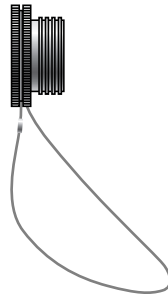
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Quick Disconnect Couplers

## G951 Series (Wing Nut) - Cont'd

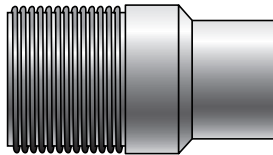
### Dust Plug






Descr.	Prod. No.	Weight
12QWDP	7252-88645	.65
16QWDP	7252-88655	.77
20QWDP	7252-88665	1.06
24QWDP	7252-88675	1.86

## G952 Series (High Pressure Wing Nut)

### Male Acme Flat Threads to Female Pipe



Descr.	Prod. No.				Weight
12MQWH-12FP	7252-88745	3/4-14	5000	20000	1.06
16MQWH-16FP	7252-88755	1-11 1/2	5000	20000	2.45
20MQWH-20FP	7252-88765	1 1/4-11 1/2	5000	15000	4.25
24MQWH-24FP	7252-88775	1 1/2-11 1/2	5000	15000	7.15
32MQWH-32FP	7252-88785	2-11 1/2	5000	15000	12.86

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

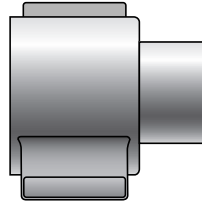




# Quick Disconnect Couplers

## G952 Series (High Pressure Wing Nut) - Cont'd

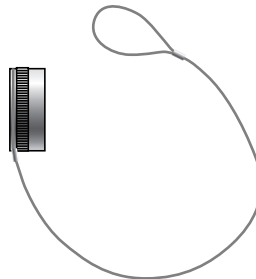
### Female Wing Nut to Female Pipe



Descr.	Prod. No.				Weight
12FQWH-12FP*	7252-88795	3/4-14	5000	20000	1.01
16FQWH-16FP	7252-88805	1-11 1/2	5000	20000	.19
20FQWH-20FP	7252-88815	1 1/4-11 1/2	5000	15000	.31
24FQWH-24FP	7252-88825	1 1/2-11 1/2	5000	15000	.50
32FQWH-32FP	7252-88835	2-11 1/2	5000	15000	16.20

\* Features a hex nut on the coupler.

### Dust Cap



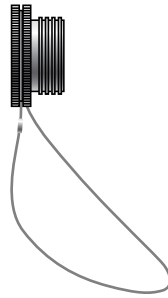
Descr.	Prod. No.	Weight
12QWHDC	7252-88895	.45
16QWHDC	7252-88905	.06
20QWHDC	7252-88915	.09
24QWHDC	7252-88925	2.60
32QWHDC	7252-88935	.17

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

# Quick Disconnect Couplers

## G952 Series (High Pressure Wing Nut) - Cont'd

### Dust Plug

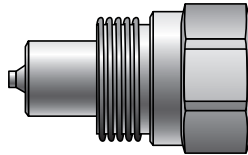





Descr.	Prod. No.	Weight
12QWHDP	7252-88845	.52
16QWHDP	7252-88855	1.44
20QWHDP	7252-88865	.10
24QWHDP	7252-88875	2.80
32QWHDP	7252-88885	.16

## G953 Series (Very High Pressure)

### Male Poppet Valve to Female Pipe

Recommended for MobileCrimp® crimper-to-pump connection.



Descr.	Prod. No.				Weight
6MQFFVH-6FP	7252-88315	3/8-18	14500	28000	.02

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



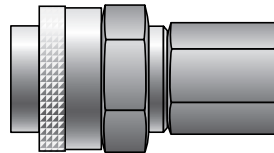


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Quick Disconnect Couplers

## G953 Series (Very High Pressure) - Cont'd

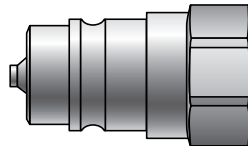
### Female Screw to Connect to Female Pipe



Descr.	Prod. No.				Weight
6FQFFVH-6FP	7252-88305	3/8-18	14500	28000	.03

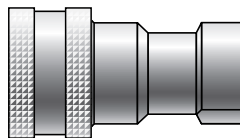
## G956 Series (Industrial ISO 7241 - Series A)

### Male Poppet Valve to Female Pipe



Descr.	Prod. No.				Weight
4MQP-4FP	7252-89905	1/4-18	4600	18400	.09
6MQP-6FP	7252-89915	3/8-18	4600	18400	.14
8MQP-8FP	7252-89925	1/2-14	4000	16000	.50
12MQP-12FP	7252-89935	3/4-14	4000	16000	.48
16MQP-16FP	7252-89945	1-11 1/2	3000	12000	.62

### Female Poppet Valve to Female Pipe



Descr.	Prod. No.				Weight
4FQP-4FP	7252-89955	1/4-18	4600	18400	.25
6FQP-6FP	7252-89965	3/8-18	4600	18400	.38
8FQP-8FP	7252-89975	1/2-14	4000	16000	.56
12FQP-12FP	7252-89985	3/4-14	4000	16000	1.01
16FQP-16FP	7252-89995	1-11 1/2	3000	12000	1.51



# Quick Disconnect Couplers

## G956 Series (Industrial ISO 7241 - Series A) - Cont'd

### QD Plug/Cap Combination



Descr.	Prod. No.	Weight
4QDDP/C	7252-87635	.05
6QDDP/C	7252-87645	.04
8QDDP/C	7252-87655	.10
12QDDP/C	7252-87665	.10
16QDDP/C	7252-87675	.15

### O-Ring



Descr.	Prod. No.	Weight
4QDOR	7252-59955	.05
6QDOR	7252-59965	.05
8QDOR	7252-59975	.05
12QDOR	7252-59985	.05
16QDOR	7252-59995	.05

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



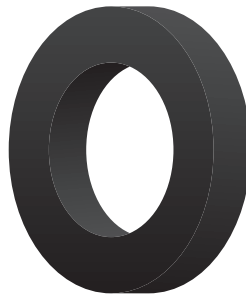


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Quick Disconnect Couplers

## G956 Series (Industrial ISO 7241 - Series A) - Cont'd

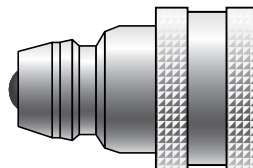
### Backup Ring



Descr.	Prod. No.	Weight
4QDBR	7252-49955	.05
6QDBR	7252-49965	.05
8QDBR	7252-49975	.05
12QDBR	7252-49985	.05
16QDBR	7252-49995	.05

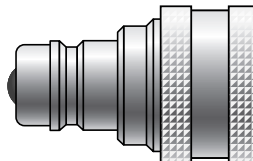
## G959 Series (Agriculture QD Adapters)

### John Deere Old Style to ISO Style



Descr.	Prod. No.	⊙	Weight
8MJD-8FISO	7252-89615	3000	.63

### ISO Style to John Deere Old Style



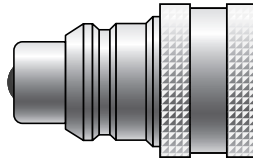
Descr.	Prod. No.	⊙	Weight
8MISO-8FJD	7252-89625	3000	.59




# Quick Disconnect Couplers

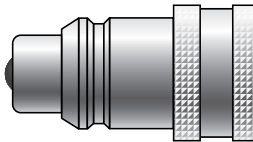
## G959 Series (Agriculture QD Adapters) - Cont'd


### Int'l Harvester to John Deere Old Style



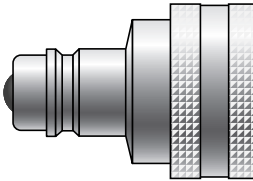
Descr.	Prod. No.		Weight
8MIHC-8FJD	7252-89635	3000	.72

### Int'l Harvester Old Style to ISO Style



Descr.	Prod. No.		Weight
8MIHC-8FISO	7252-89645	3000	.63

### ISO Style to Int'l Harvester Old Style



Descr.	Prod. No.		Weight
8MISO-8FIHC	7252-89655	3000	.69

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
<b>QUICK DISCONNECT COUPLERS</b>
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

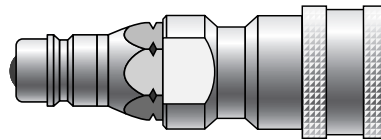




# Quick Disconnect Couplers

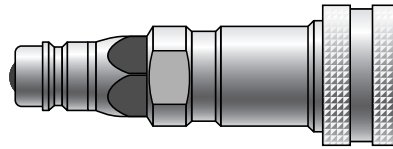
## G959 Series (Agriculture QD Adapters) - Cont'd

### ISO Style to John Deere Old Style - (Double Shutoff)



Descr.	Prod. No.		Weight
8MISO-8FJDDSO	7252-89665	3000	1.06

### ISO Style to Int'l Harvester Old Style - (Double Shutoff)



Descr.	Prod. No.		Weight
8MISO-8FIHCDSO	7252-89675	3000	1.13

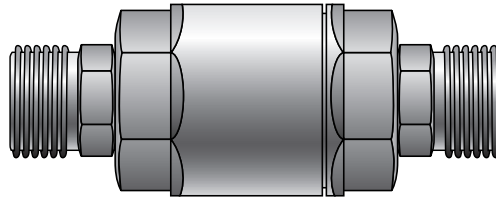
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS**
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



# Live Swivel

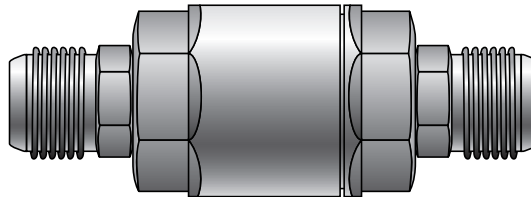
## Live Swivel

### Male BSPP to Male BSPP



Descr.	Prod. No.	Weight
8BSPP-8BSPP-LX	7252-12415	.90
12BSPP-12BSPP-LX	7252-12425	1.87
16BSPP-12BSPP-LX	7252-12435	2.62

### Male JIC to Male JIC



Descr.	Prod. No.	Weight
6MJ-6MJ-LX	7252-12345	.47
8MJ-8MJ-LX	7252-12355	.90
12MJ-12MJ-LX	7252-12365	1.92
16MJ-16MJ-LX	7252-12375	2.84
20MJ-20MJ-LX	7252-12385	4.35
24MJ-24MJ-LX	7252-12395	5.09
32MJ-32MJ-LX	7252-12405	9.91

EQUIPMENT

HOSE/CPLG.  
SELECTIONG8K  
COUPLINGSGLOBALSPIRAL  
COUPLINGSPCM/PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER  
CRIMP  
COUPLINGSLOC, GL AND  
GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGSC14  
COUPLINGSPCTS  
THERMO-  
PLASTIC  
COUPLINGSFIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGSFIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS

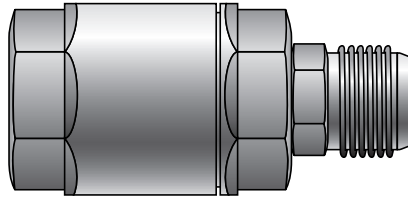




EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
<b>LIVE SWIVEL</b>
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Live Swivel

## Male JIC to Female JIC/Boss

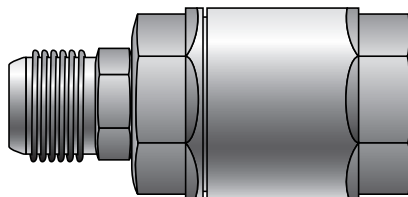


Descr.	Prod. No.	Weight
8MJ-8FJ/FB-LX	7252-12285	.90
12MJ-12FJ/FB-LX	7252-12295	2.00
16MJ-16FJ/FB-LX	7252-12305	2.84
20MJ-20FJ/FB-LX	7252-12315	4.57
24MJ-24FJ/FB-LX	7252-12325	5.29
32MJ-32FJ/FB-LX	7252-12335	9.59

## JIC Seal Kit

Descr.	Prod. No.	Weight
6JIC SWIVEL SEAL KIT	7252-12155	.02
8JIC SWIVEL SEAL KIT	7252-12165	.02
12JIC SWIVEL SEAL KIT	7252-12175	.03
16JIC SWIVEL SEAL KIT	7252-12185	.04
20JIC SWIVEL SEAL KIT	7252-12195	.04
24JIC SWIVEL SEAL KIT	7252-12205	.04
32JIC SWIVEL SEAL KIT	7252-12215	.05

## Male JIC to Female Pipe



Descr.	Prod. No.	Weight
8MJ-8FP-LX	7252-12255	.90
12MJ-12FP-LX	7252-12265	2.00
16MJ-16FP-LX	7252-12275	2.70



# Live Swivel

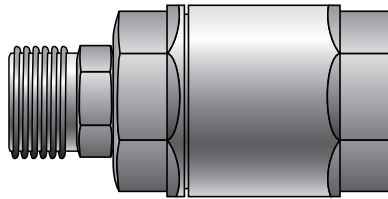
## ORS Seal Kit

Descr.	Prod. No.	Weight
12ORS LIVE SWIVEL SEAL KIT	7252-12235	.03
16ORS LIVE SWIVEL SEAL KIT	7252-12245	.04

## ORS/BSPP Seal Kit

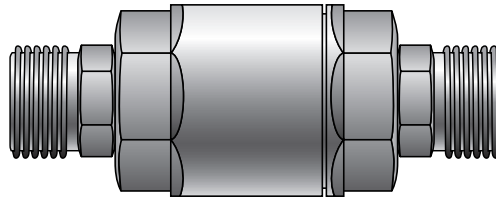
Descr.	Prod. No.	Weight
8ORS/8BSPP LIVE SWVL SEAL KIT	7252-12225	.02

## Male ORFS to Female ORFS



Descr.	Prod. No.	Weight
12MFFOR-12FFORX-LX	7252-12445	2.06
16MFFOR-16FFORX-LX	7252-12455	2.80

## Male ORFS to Male ORFS



Descr.	Prod. No.	Weight
8MFFOR-8MFFOR-LX	7252-12465	.90
12MFFOR-12MFFOR-LX	7252-12475	2.28
16MFFOR-16MFFOR-LX	7252-12485	3.15

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





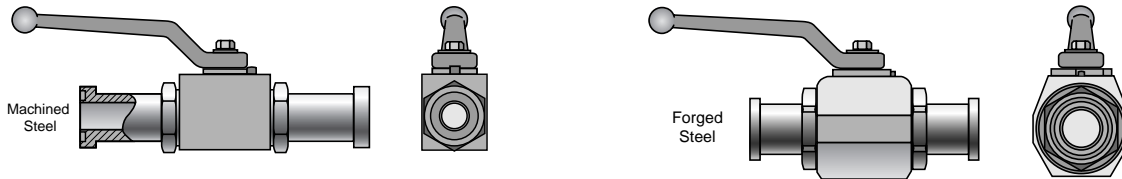
# Notes



# Ball Valves

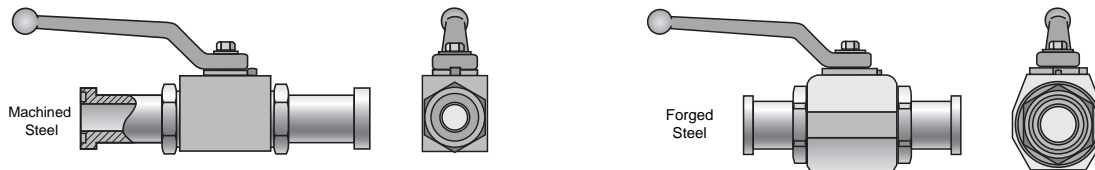
## Two Way Block Style

### Code 61 O-Ring Flange 3000 PSI



Descr.	Prod. No.	⊖	Nom. Flg. Size	⊙	Weight
		"			"
8FL-8FLBV	7317-00215	1/2	1/2	3000	1.85
12FL-12FLBV	7317-00225	3/4	3/4	3000	3.90
16FL-16FLBV	7317-00235	1	1	3000	5.40
20FL-20FLBV	7317-00245	1 1/4	1 1/4	3000	8.85
24FL-24FLBV	7317-00255	1 1/2	1 1/2	3000	10.35
32FL-32FLBV	7317-00265	2	2	3000	15.40

### Code 62 O-Ring Flange 6000 PSI



Descr.	Prod. No.	⊖	Nom. Flg. Size	⊙	Weight
		"			"
8FLH-8FLHBV	7317-00275	1/2	1/2	6000	1.90
12FLH-12FLHBV	7317-00285	3/4	3/4	6000	4.05
16FLH-16FLHBV	7317-00295	1	1	6000	5.95
20FLH-20FLHBV	7317-00305	1 1/4	1 1/4	6000	9.90
24FLH-24FLHBV	7317-00315	1 1/2	1 1/2	6000	12.15
32FLH-32FLHBV	7317-00325	2	2	6000	22.45

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
<b>BALL VALVES</b>
ACCESSORIES
EQUIPMENT AND PARTS

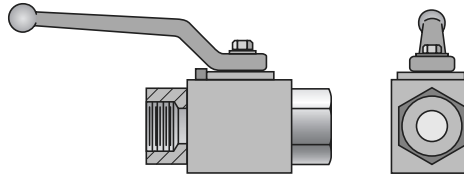




# Ball Valves

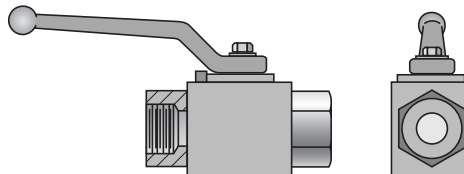
## Two Way Block Style - Cont'd

### Female O-Ring Boss



Descr.	Prod. No.				Weight
		"			Lbs.
4FB-4FBBV	7317-00075	1/4	7/16-20	7350	.80
6FB-6FBBV	7317-00085	3/8	9/16-18	7350	1.20
8FB-8FBBV	7317-00095	1/2	3/4-16	7350	1.45
12FB-12FBBV	7317-00105	1/2	1 1/16-12	5880	3.35
16FB-16FBBV	7317-00115	1	1 5/16-12	5145	4.55

### Female Pipe NPTF



Descr.	Prod. No.				Weight
		"			Lbs.
4FP-4FPBV	7317-00015	1/4	1/4	7350	.80
6FP-6FPBV	7317-00025	3/8	3/8	7350	1.20
8FP-8FPBV	7317-00035	1/2	1/2	7350	1.45
12FP-12FPBV	7317-00045	3/4	3/4	5880	3.35
16FP-16FPBV	7317-00055	1	1	5145	4.55
20FP-16FPBV	7317-00065	1	1 1/4	5145	4.85

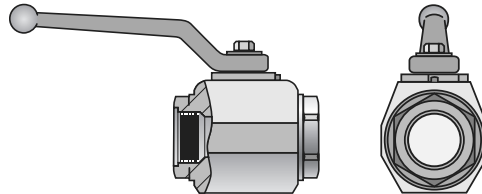
- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES**
- ACCESSORIES
- EQUIPMENT AND PARTS



# Ball Valves

## Two Way Round Style Large ID

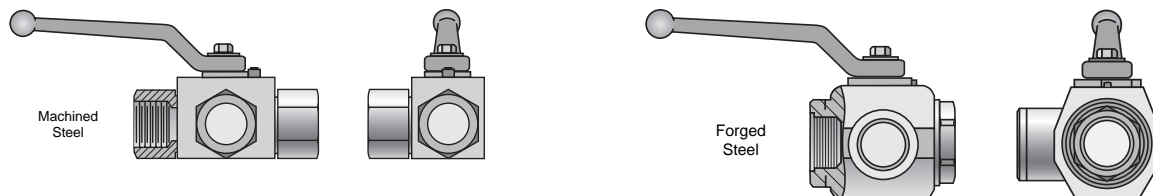
### Female Pipe NPTF



Descr.	Prod. No.	⊖	🌀	⊙	Weight
		"			Lbs.
20FP-20FPBV	7317-00125	1 1/4	1 1/4	6175	7.55
24FP-24FPBV	7317-00135	1 1/2	1 1/2	6175	8.50
32FP-32FPBV	7317-00145	2	2	6175	15.50

## Three Way Block Style

### Female Pipe NPTF



Descr.	Prod. No.	⊖	🌀	⊙	Weight
		"			Lbs.
4FP-4FP-4FPBV	7317-00155	1/4	1/4	5880	.85
6FP-6FP-6FPBV	7317-00165	3/8	3/8	5880	1.30
8FP-8FP-8FPBV	7317-00175	1/2	1/2	5145	1.55
12FP-12FP-12FPBV	7317-00185	3/4	3/4	5145	3.50
16FP-16FP-16FPBV	7317-00195	1	1	5145	4.85
20FP-20FP-20FPBV	7317-00205	1 1/4	1 1/4	5145	9.25

## Ball Valve Lock Out Kits

Descr.	Prod. No.	Weight
1 1/4" THRU 2" BV LOCK OUT KIT	7317-00355	.25
1/4" THRU 1/2" BV LOCK OUT KIT	7317-00335	.05
3/4" THRU 1" BV LOCK OUT KIT	7317-00345	.15

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
<b>BALL VALVES</b>
ACCESSORIES
EQUIPMENT AND PARTS





## Notes



# Nylon Protective Sleeve

## LifeGuard® 3000, 4000 and 5000



Descr.	Prod. No.	"A" Inside Flat (In.)	"B" Sleeve I.D. (In.)	Weight
14LG3K	7277-1850	1.11	.71	.07
14LG4K	7277-1960	1.38	.88	.10
14LG5K	7277-1950	1.38	.88	.10
16LG3K	7277-1851	1.42	.91	.08
16LG4K	7277-1961	1.62	1.03	.10
16LG5K	7277-1951	1.62	1.03	.10
20LG3K	7277-1852	1.67	1.06	.09
20LG4K	7277-1962	1.91	1.22	.10
20LG5K	7277-1952	1.91	1.22	.14
22LG3K	7277-1853	2.13	1.35	.09
22LG4K	7277-1963	1.98	1.26	.10
22LG5K	7277-1953	2.13	1.35	.10
26LG3K	7277-1854	2.36	1.50	.18
26LG4K	7277-1964	2.50	1.59	.10
26LG5K	7277-1954	2.50	1.59	.10
32LG3K	7277-1855	2.78	1.99	.10
32LG4K	7277-1965	2.78	1.99	.10

## LifeGuard® Clamp Collars - Stainless Steel

Descr.	Prod. No.	⊖	Weight
		"	Lbs.
6SC-4-SS	7334-48535	1.15	.01
8SC-4-SS	7334-48545	1.40	.02
10SC-4-SS	7334-48605	1.62	.02
12SC-4-SS	7334-48615	1.87	.02
16SC-4-SS	7334-48665	2.37	.05

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS







# Nylon Protective Sleeve

## Clamp Collar for Nylon Sleeve and LifeGuard® Sleeve



Descr.	Prod. No.	⊖	Weight
		"	Lbs.
6SC-1	7334-48405	1.0	.02
6SC-4	7334-48485	1.15	.01
8SC-1	7334-48425	1.18	.02
8SC-4	7334-48645	1.40	.02
10SC-1	7334-48445	1.40	.02
10SC-4	7334-48585	1.62	.02
12SC-1	7334-48465	.45	.03
12SC-4	7334-48595	1.87	.04
16SC-1	7334-48475	2.06	.05
16SC-4	7334-48655	2.37	.05
4SC-1XBULK	7334-4839	.90	.01
6SC-1XBULK	7334-4840	1.0	.02
6SC-4XBULK	7334-4848	1.15	.01
8SC-1XBULK	7334-4842	1.18	.01
8SC-4XBULK	7334-4864	1.40	.02
10SC-1XBULK	7334-4844	1.40	.01
10SC-4XBULK	7334-4858	1.62	.02
12SC-1XBULK	7334-4846	.45	.01
12SC-4XBULK	7334-4859	1.87	.04
16SC-1XBULK	7334-4847	2.06	.02
16SC-4 XBULK	7334-4865	2.37	.05

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Nylon Protective Sleeve

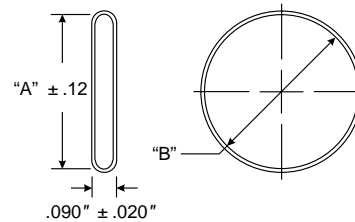
## Nylon Protective Sleeve

Do not use the Nylon Sleeve where ambient temperatures exceed 250°F.

**Description:** Gates Nylon Sleeves perform a dual role: (1) they provide excellent abrasion resistance to protect individual hoses; and (2) they can be used to bundle several hose assemblies together for maximum protection. Downtime and maintenance costs are reduced. These Nylon Sleeves are unique because they form an extra protective layer against abrasive forces. Specifically, thousands of tiny Nylon filaments, woven into the texturized yarn, "friz" into a self-renewing shield that is extremely resistant to severe abrasion. This nylon sleeving has MSHA flame-resistance approval. Add 1/8" for installation.



Determining the Size of a Sleeve  
 $B = \text{Nominal I.D.} = "A" \times 2 \div 3.14$



Descr.	Prod. No.	"A" Inside Flat (In.)	"B" Sleeve I.D. (In.)	Weight
HG-10	7277-1067	1.07	.68	.06
HG-14	7277-1010	1.42	.90	.04
HG-16	7277-1011	1.67	1.06	.05
HG-20	7277-1012	1.92	1.22	.06
HG-24	7277-1013	2.24	1.42	.06
HG-26	7277-1377	2.50	1.59	.07
HG-28	7277-1014	2.85	1.81	.08
HG-32	7277-1015	3.44	2.19	.10
HG-38	7277-1016	3.74	2.38	.10
HG-42	7277-1018	4.12	2.62	.09
HG-46	7277-1024	4.53	2.88	.10
HG-64	7277-1276	6.91	4.40	.21

**NOTE:** Be sure to heat the cut edges of the Nylon Hose Sleeve. You may have to use a banded clamp or nylon tie to fasten the sleeve securely.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

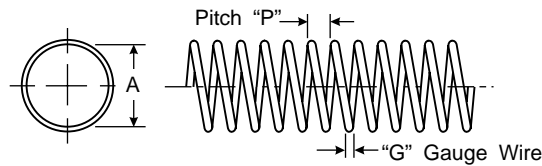


# Hose Guards

## Plated Wire Spring Guards

**Description:** How To Order Gates Spring Guards: In the selection charts on the following pages, find the proper Dash Number in far left-hand column, and move horizontally until you arrive in the vertical column headed by the appropriate hose description. At this point, you'll find the Part Number or Product Number for the recommended Spring Guard.

NOTE: For your convenience, both Selection Charts have been simplified. In some cases, it may be possible to use the next smaller spring guard. To check if this possible, compare O.D. of hose to I.D. of spring guard. Allow 1/32" for installation. To order - Specify the Part/Product Number and the spring guard length desired (in feet).



Descr.	Prod. No.	A (In.) (+.015)	G (In.)	P (In.)	Weight
1 1/8" RSG-25FT	7277-0522	1.122	14 (.080)	7/32	.15
1 11/32" RSG-25FT	7277-0517	1.340	11 (.120)	11/32	.55
1 27/32" RSG-10FT	7277-0524	1.847	14 (.080)	13/32	.35
1 3/64" RSG-25FT	7277-0515	1.040	14 (.080)	7/32	.30
1 37/64" RSG-25FT	7277-0518	1.578	11 (.120)	11/32	.65
1 5/8" RSG-25FT	7277-0519	1.625	11 (.120)	11/32	.27
1 9/32" RSG-25FT	7277-0516	1.278	11 (.120)	11/32	.50
2 1/8" RSG-7FT	7277-0548	2.120	11 (.120)	11/32	.82
2 7/64" RSG-7FT	7277-0523	2.112	14 (.080)	13/32	.30
11/16" RSG-25FT	7277-0535	.682	16 (.065)	7/32	.41
35/64" RSG-25FT	7277-0521	.550	14 (.080)	7/32	.16
47/64" RSG-25FT	7277-0511	.738	14 (.080)	7/32	.22
49/64" RSG-25FT	7277-0510	.676	14 (.080)	7/32	.19
55/64" RSG-25FT	7277-0512	.852	14 (.080)	7/32	.23
59/64" RSG-25FT	7277-0513	.915	14 (.080)	7/32	.27
63/64" RSG-25FT	7277-0514	.977	14 (.080)	7/32	.26

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

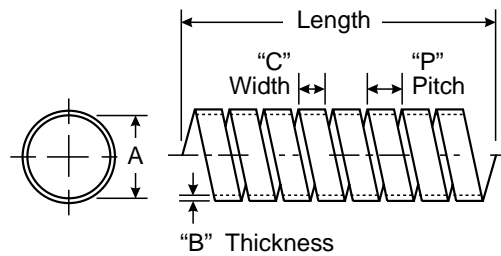
# Hose Guards

## Plated Flat Armor Spring Guards

**Description:** How To Order Gates Spring Guards: In the selection charts on the following pages, find the proper Dash Number in far left-hand column, and move horizontally until you arrive in the vertical column headed by the appropriate hose description. At this point, you'll find the Part Number or Product Number for the recommended Spring Guard.

**NOTE:** For your convenience, both Selection Charts have been simplified. In some cases, it may be possible to use the next smaller spring guard. To check if this possible, compare O.D. of hose to I.D. of spring guard. Allow 1/32" for installation.

To order - Specify the Part/Product Number and the spring guard length desired (in feet).



Descr.	Prod. No.	A (In.) (+.015)	B (In.)	C (In.)	P (In.)	Weight
1 11/16" FSG-5FT	7277-0529	1.687	.028	1/2	5/8	.50
1 27/32" FSG-15FT	7277-0531	1.844	.028	1/2	5/8	.35
1 3/32" FSG-25FT	7277-0530	1.093	.028	1/2	5/8	.20
1 3/8" FSG-25FT	7277-0532	1.375	.028	1/2	5/8	.20
1 5/8" FSG-25FT	7277-0509	1.625	.028	1/2	5/8	.40
1 51/64" FSG-15FT	7277-0525	1.797	.028	1/2	5/8	.52
1 7/32" FSG-25FT	7277-0507	1.219	.028	1/2	5/8	.29
1 9/16" FSG-25FT	7277-0520	1.562	.028	1/2	5/8	.39
1 9/32" FSG-25FT	7277-0508	1.281	.028	1/2	5/8	.32
1" FSG-25FT	7277-0506	1.000	.028	1/2	5/8	.25
2 11/32" FSG-5FT	7277-0528	2.343	.028	1/2	5/8	.63
2 3/32" FSG-10FT	7277-0527	2.093	.028	1/2	5/8	.63
2 7/8" FSG-5FT	7277-0526	2.875	.028	1/2	5/8	.65
7/8" FSG-25FT	7277-0504	.875	.028	1/2	5/8	.22
13/16" FSG-25FT	7277-0503	.812	.028	1/4	3/8	.20
21/32" FSG-25FT	7277-0501	.656	.019	3/8	1/2	.17
22/32" FSG-25FT	7277-0502	.719	.019	3/8	1/2	.14
35/64" FSG-25FT	7277-0500	.550	.019	3/8	1/2	.14
39/64" FSG-25FT	7277-0533	.609	.032	1/4	3/8	.10
51/64" FSG-25FT	7277-0534	.797	.032	3/8	1/2	.22
61/64" FSG-25FT	7277-0505	.953	.028	1/2	5/8	.24

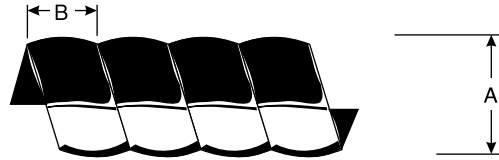
EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Hose Guards

## Plastic Protective Coil Sleeves

**Description:** Economical, lightweight plastic sleeving protects hose from water, air, gasoline and hydraulic fluids. Effective temperature range from -40°F to +250°F (-40°C to +121°C).



Descr.	Prod. No.	"A" Coil I.D. (In.)	"B" Strip Width (In.)	Thickness (In.)	Weight
1 3/8" CS1157-25FT	7277-1157	1 3/8	5/8	.115	.09
1 7/8" CS1158-25FT	7277-1158	1 7/8	5/8	.115	.09
1" CS1156-50FT	7277-1156	1	5/8	.115	.55
1/2" CS1153-100FT	7277-1153	1/2	3/8	.070	.09
1/4" CS1151-100FT	7277-1151	1/4	1/4	.040	.09
3/4" CS1155-50FT	7277-1155	3/4	3/8	.070	.09
3/8" CS1152-100FT	7277-1152	3/8	1/4	.040	.09
5/8" CS1154-50FT	7277-1154	5/8	3/8	.070	.09

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

# Hose Guards

## PolySleeve™ High Density Polyethylene Hose Wrap - Black

**Description:** Gates PolySleeve is a spiral wrap designed to protect or bundle hoses for appearance and safety. PolySleeve protects hoses from chaffing, rubbing, crushing, ultraviolet rays and other hazards that cause hose failures. It can be an easy and economical way to protect equipment, reduce downtime, improve sighting and improve overall appearance. PolySleeve can be installed easily - even after the hose assembly or assemblies are in place. The edges are rounded, so installers won't cut their hands. Just wrap a section of Gates PolySleeve in the abrasion area or wrap it around any number of hoses for better appearance or safety. It is offered in either black or yellow in a full range of sizes.

This product is made of heavy-wall, high-density polyethylene (HDPE) and has a wide temperature range. At -40°F it starts to become somewhat brittle, and at 280°F it starts to become soft. After temperature is normalized, PolySleeve returns to its original state quickly. PolySleeve is made with an anti-static material, so it won't build up a static charge.

**Features Advantages:** Available in two colors (black and yellow), multiple sizes for individual hoses or bundling.

Comes with rounded edges both inside and out for added safety.

Easy to install before or after assembly fabrication or installation.

Effective temperature range from -40°F to 280°F (-40°C to 130°C).

Guards against harsh environmental conditions for reduced downtime.

Safe, affordable protection for hydraulic and pneumatic lines.



Descr.	Prod. No.	Coil I.D. (In.)	Fits Min. Hose O.D. (In.)	Fits Max. Hose O.D. (In.)	Wall Thickness (In.)	Width (In.)	Weight
6PSB POLY SLEEVE	7277-1174	.38	.38	.52	.060	3/8	.04
8PSB POLY SLEEVE	7277-1175	.50	.52	.64	.070	9/16	.05
12PSB POLY SLEEVE	7277-1176	.63	.63	.85	.080	5/8	.07
16PSB POLY SLEEVE	7277-1177	.84	.86	1.08	.080	7/8	.09
20PSB POLY SLEEVE	7277-1178	1.06	1.10	1.35	.100	15/16	.11
24PSB POLY SLEEVE	7277-1179	1.34	1.36	1.74	.120	1 3/16	.16
28PSB POLY SLEEVE	7277-1180	1.73	1.75	2.18	.120	1 7/16	.27
36PSB POLY SLEEVE	7277-1181	2.17	2.19	2.61	.160	1 1/2	.41
44PSB POLY SLEEVE	7277-1182	2.60	2.62	3.11	.180	1 11/16	.55
48PSB POLY SLEEVE	7277-1183	3.10	3.12	3.95	.220	1 7/8	.78
56PSB POLY SLEEVE	7277-1184	3.90	3.95	4.25	.220	2 1/4	.99
R110-SH BLACK	7277-0001	—	—	—	—	—	1.07

## PolySleeve™ High Density Polyethylene Hose Wrap - Yellow

Descr.	Prod. No.	Coil I.D. (In.)	Fits Min. Hose O.D. (In.)	Fits Max. Hose O.D. (In.)	Wall Thickness (In.)	Width (In.)	Weight
6PSY POLY SLEEVE	7277-1185	.38	.38	.52	.060	3/8	.04
8PSY POLY SLEEVE	7277-1186	.50	.52	.64	.070	9/16	.05

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Hose Guards

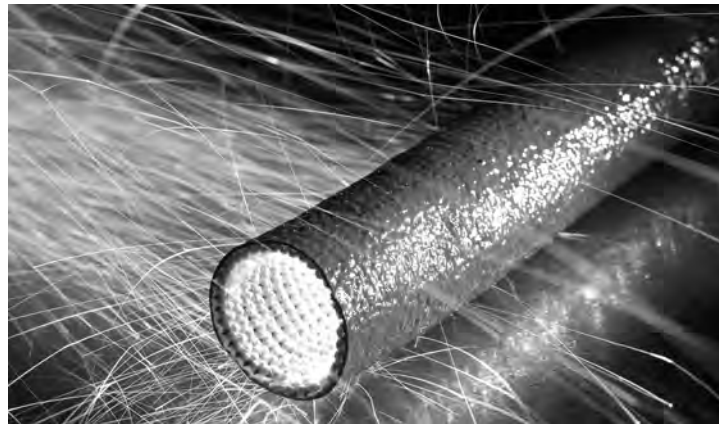
## PolySleeve™ High Density Polyethylene Hose Wrap - Yellow - Cont'd

Descr.	Prod. No.	Coil I.D. (In.)	Fits Min. Hose O.D. (In.)	Fits Max. Hose O.D. (In.)	Wall Thickness (In.)	Width (In.)	Weight
12PSY POLY SLEEVE	7277-1187	.63	.63	.85	.080	5/8	.07
16PSY POLY SLEEVE	7277-1188	.84	.86	1.08	.080	7/8	.09
20PSY POLY SLEEVE	7277-1189	1.06	1.10	1.35	.100	15/16	.11
24PSY POLY SLEEVE	7277-1190	1.34	1.36	1.74	.120	1 3/16	.18
28PSY POLY SLEEVE	7277-1191	1.73	1.75	2.18	.120	1 7/16	.25
36PSY POLY SLEEVE	7277-1192	2.17	2.19	2.61	.160	1 1/2	.41
44PSY POLY SLEEVE	7277-1193	2.60	2.62	3.11	.180	1 11/16	.55
48PSY POLY SLEEVE	7277-1194	3.10	3.12	3.95	.220	1 7/8	.71
56PSY POLY SLEEVE	7277-1195	3.90	3.95	4.25	.220	2 1/4	.96

## HeatGuard® Protective Sheathing

**Description:** Best of all, HeatGuard can pay for itself in reduced replacement and maintenance costs. It is available in two grades - HeatGuard and HeatGuard Hi-Temp. Contact Hose Product Application for details. HeatGuard is a completely not-asbestos, heat-resistant, protective sleeving. Its special silicone coating can also withstand a broad range of solvents and fuels. It goes on easily over most hoses and couplings, with only hose clamps or wire ties required for fastening.

**Temperature Range:** HeatGuard Hi-Temp is knitted, coated fiberglass; meets SAE AS1072A specification; temperature range: -65°F to +500°F (-54°C to +260°C) for continuous exposure.



Descr.	Prod. No.	I.D. (In.)	Weight
HTG-4	7277-1571	.25	.07
HTG-5	7277-1572	.31	.07
HTG-6	7277-1573	.38	.09
HTG-7	7277-1574	.44	.09
HTG-8	7277-1575	.50	.10
HTG-9	7277-1576	.56	.10
HTG-10	7277-1577	.62	.11
HTG-11	7277-1578	.69	.12
HTG-12	7277-1579	.75	.13
HTG-13	7277-1580	.81	.13
HTG-14	7277-1581	.88	.14
HTG-15	7277-1582	.94	.15
HTG-16	7277-1196	1.00	.16
HTG-18	7277-1197	1.12	.18

# Hose Guards

## HeatGuard® Protective Sheathing - Cont'd

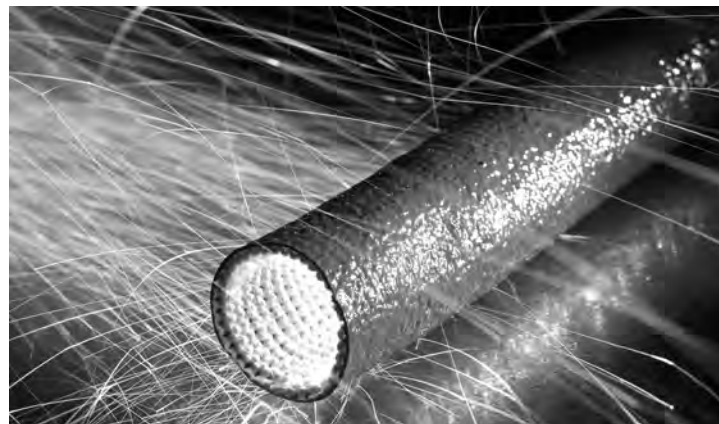
Descr.	Prod. No.	I.D. (In.)	Weight
HTG-20	7277-1583	1.25	.18
HTG-22	7277-1584	1.38	.22
HTG-24	7277-1585	1.50	.24
HTG-26	7277-1586	1.62	.25
HTG-28	7277-1587	1.75	.28
HTG-30	7277-1588	1.88	.28
HTG-32	7277-1589	2.00	.30
HTG-34	7277-1590	2.12	.33
HTG-36	7277-1591	2.25	.32
HTG-38	7277-1592	2.38	.36
HTG-40	7277-1593	2.50	.35
HTG-44	7277-1595	2.75	.41
HTG-56	7277-1600	3.00	.53
HTG-64	7277-1602	4.00	.55

## HeatGuard® High-Temp Protective Sheathing

**Description:** Best of all, HeatGuard can pay for itself in reduced replacement and maintenance costs. It is available in two grades - HeatGuard and HeatGuard Hi-Temp. Contact Hose Product Application for details.

HeatGuard is a completely not-asbestos, heat-resistant, protective sleeving. Its special silicone coating can also withstand a broad range of solvents and fuels. It goes on easily over most hoses and couplings, with only hose clamps or wire ties required for fastening.

**Temperature Range:** HeatGuard Hi-Temp is knitted, coated fiberglass; meets SAE AS1072A specification; temperature range: -65°F to +500°F (-54°C to +260°C) for continuous exposure.



Descr.	Prod. No.	Weight
24-HTGH	7277-1611	.30
28-HTGH	7277-1612	.02
34-HTGH	7277-1613	.02
52-HTGH	7277-1616	.02

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS







# Vinyl Bend Restrictor

## Vinyl Bend Restrictor - Red

**Description:** Gates tapered PVC sleeve reduces bending stress in the hose near the coupling to prevent damage, such as in power wash applications. Installed during hose assembly, this smoothly-finished product withstands temperatures from -40°F to +200°F (-40°C to +93°C).

**Features Advantages:** Friction Fit; no adhesives or clamps required to hold bend restrictor in place on hose assembly. Saves assembly cost.

Smooth finish will not scratch finish on equipment being washed. Attractive appearance enhances look of quality.

Tapered design reduces bending stress neat the hose-coupling junction so extra long, more trouble-free hose life can be expected. Wide temperature helps give extra long service life for both hot and cold power wash assemblies.



Descr.	Prod. No.	I.D. (In.)	Length (In.)	Hose Size and Type	Weight
HBR1097	7277-10975	.76	7.00	6G2	.14
HBR1098	7277-10985	.91	7.00	8PC2500	.20
HBR1097XBULK	7277-1097	.76	7.00	6G2	.14
HBR1098XBULK	7277-1098	.91	7.00	8PC2500	.20

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Vinyl Bend Restrictor

## Vinyl Bend Restrictor - Black

**Description:** Gates tapered PVC sleeve reduces bending stress in the hose near the coupling to prevent damage, such as in power wash applications. Installed during hose assembly, this smoothly-finished product withstands temperatures from -40°F to +200°F (-40°C to +93°C).

**Features Advantages:** Friction Fit; no adhesives or clamps required to hold bend restrictor in place on hose assembly. Saves assembly cost.

Smooth finish will not scratch finish on equipment being washed. Attractive appearance enhances look of quality.

Tapered design reduces bending stress neat the hose-coupling junction so extra long, more trouble-free hose life can be expected. Wide temperature helps give extra long service life for both hot and cold power wash assemblies.



Descr.	Prod. No.	I.D. (In.)	Length (In.)	Hose Size and Type	Weight
HBR1050	7277-10505	.63	5.5	4G1, 4G1H, 4G2, 4M3K, 4M2T, 4PC3500	.10
HBR1051	7277-10515	.73	6.0	6G1, 6G1H, 6M3K, 6M2T, 6G17, 6PC3000, 6PC4000, 4PC6000	.13
HBR1052	7277-10525	.84	7.00	8G1, 8GIH, 6PC5000	.16
HBR1053	7277-10535	1.00	8.0	10G1, 10G1H, 10M2T	.26
HBR1054	7277-10545	.77	7.00	6G2	.14
HBR1055	7277-10555	.53	5.3	4GT7/4GT7NC	.07
HBR1056	7277-10905	.91	7.00	8PC2500	.02
HBR1050XBULK	7277-1050	.63	5.5	4G1, 4G1H, 4G2, 4M3K, 4M2T, 4PC3500	.10
HBR1051XBULK	7277-1051	.73	6.0	6G1, 6G1H, 6M3K, 6M2T, 6G17, 6PC3000, 6PC4000, 4PC6000	.13
HBR1052XBULK	7277-1052	.84	7.00	8G1, 8GIH, 6PC5000	.16
HBR1053XBULK	7277-1053	1.00	8.0	10G1, 10G1H, 10M2T	.26
HBR1054XBULK	7277-1054	.77	7.00	6G2	.14
HBR1055XBULK	7277-1055	.53	5.3	4GT7/4GT7NC	.02

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

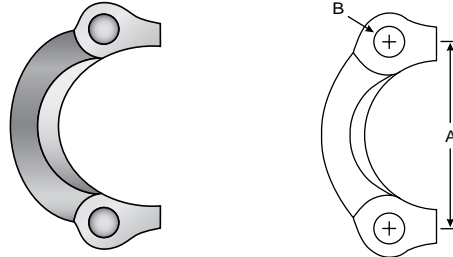


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Flange Fittings

### Flange Half Sets (Code 61 - SAE J518)

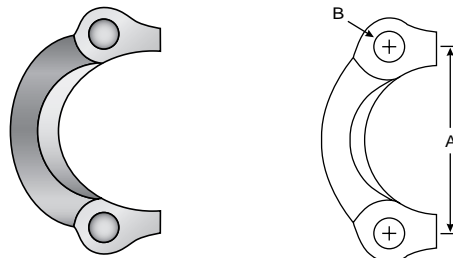
Each set contains 2 flange halves, 1 O-Ring and 4 bolts (Grade 8) with lock washers.



Descr.	Prod. No.	Nom. Flg. Size	A (In.)	B (In.)	Weight
8CFHS	7253-07015	1/2	1.50	.34	.40
12CFHS	7253-07025	3/4	1.88	.41	.60
16CFHS	7253-07035	1	2.06	.41	.72
20CFHS	7253-07045	1 1/4	2.31	.47	1.10
24CFHS	7253-07055	1 1/2	2.75	.53	2.48
32CFHS	7253-07065	2	3.06	.53	1.64
40CFHS	7253-01305	2 1/2	3.50	.54	2.50
48CFHS	7253-01315	3	4.19	.66	4.00
56CFHS	7253-01325	3 1/2	4.75	.66	4.00
64CFHS	7253-01335	4	4.75	.66	4.75

### Flange Half Sets (Code 62 - SAE J518)

Each set contains 2 flange halves, 1 O-Ring and 4 bolts (Grade 8) with lock washers.

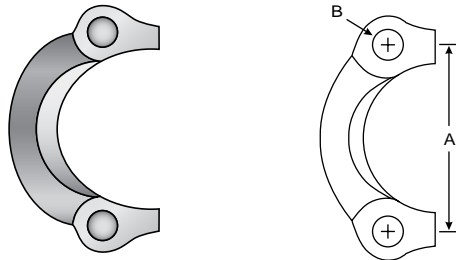


Descr.	Prod. No.	Nom. Flg. Size	A (In.)	B (In.)	Weight
8FHHS	7253-09775	1/2	1.55	.34	.03
12FHHS	7253-09785	3/4	2.00	.41	.95
16FHHS	7253-09795	1	2.25	.47	1.60
20FHHS	7253-09805	1 1/4	2.63	.53	2.50
24FHHS	7253-09815	1 1/2	3.13	.66	4.40
32FHHS	7253-09825	2	3.81	.78	6.87

# Flange Fittings

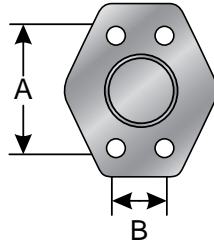
## Caterpillar-Style Flange Half Sets

Each set contains 2 flange halves, 1 O-Ring and 4 bolts (Grade 8) with lock washers.



Descr.	Prod. No.	Nom. Flg. Size	A (In.)	B (In.)	Weight
12CATFHS	7253-37025	3/4	2.00	.41	1.51
16CATFHS	7253-37035	1	2.25	.47	1.20
20CATFHS	7253-37045	1 1/4	2.63	.53	1.80
24CATFHS	7253-37055	1 1/2	3.13	.66	4.25
32CATFHS	7253-37065	2	3.81	.78	6.80

## Code 61 Flange Cap



Descr.	Prod. No.	Nom. Flg. Size	A (In.)	B (In.)	Weight
12FL-CAP	7253-66115	3/4	1.88	.41	.50
16FL-CAP	7253-66125	1	2.06	.41	.55
20FL-CAP	7253-66135	1 1/4	2.31	.47	.80
24FL-CAP	7253-66145	1 1/2	2.75	.53	1.10
32FL-CAP	7253-66155	2	3.06	.53	1.40

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

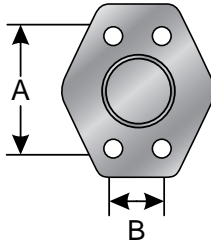
ACCESSORIES

EQUIPMENT AND PARTS



# Flange Fittings

## Code 62 Flange Cap



Descr.	Prod. No.	Nom. Flg. Size	A (In.)	B (In.)	Weight
12FLH-CAP	7253-66165	3/4	2.00	.41	.65
16FLH-CAP	7253-66175	1	2.25	.47	.80
20FLH-CAP	7253-66185	1 1/4	2.63	.53	1.10
24FLH-CAP	7253-66195	1 1/2	3.13	.66	1.80
32FLH-CAP	7253-66205	2	3.81	.78	2.60

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

# O-Rings

## O-Rings for Code 61, Code 62, and Caterpillar-Style Flange Fittings

90 Durometer Hardness.



Descr.	Prod. No.	I.D. (In.)	Wall (In.)	Weight
8 FLANGE O-RING	7254-0001	3/4	.139	.02
10 FLANGE O-RING	7254-0142	55/64	.139	.03
12 FLANGE O-RING	7254-0007	1.00	.139	.02
16 FLANGE O-RING	7254-0009	1 5/16	.139	.02
20 FLANGE O-RING	7254-0011	1 1/2	.139	.02
24 FLANGE O-RING	7254-0013	1 7/8	.139	.02
32 FLANGE O-RING	7254-0015	2 1/4	.139	.02
40 FLANGE O-RING	7254-0133	2 3/4	.139	.05
48 FLANGE O-RING	7254-0134	3 3/8	.139	.05
56 FLANGE O-RING	7254-0135	3 7/8	.139	.05
64 FLANGE O-RING	7254-0136	4 3/8	.139	.15

## O-Rings for Straight Thread Boss Fittings

90 Durometer Hardness.



Descr.	Prod. No.	I.D. (In.)	Wall (In.)	Weight
3 O-RING	7254-0003	19/64	1/16	.02
4 O-RING	7254-0004	11/32	5/64	.01
5 O-RING	7254-0005	13/32	5/64	.02
6 O-RING	7254-0006	15/32	5/64	.01
8 O-RING	7254-0008	41/64	3/32	.01
10 O-RING	7254-0010	3/4	3/32	.02
12 O-RING	7254-0012	59/64	7/64	.01
14 O-RING	7254-0014	1 3/64	7/64	.02
16 O-RING	7254-0016	1 11/64	7/64	.02
20 O-RING	7254-0020	1 15/32	7/64	.02

EQUIPMENT

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 AND G2 COUPLINGS

FIELD ATTACHABLE C5 AND C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Powering Progress.

[gates.com/hydraulics](http://gates.com/hydraulics)

V15

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
<b>ACCESSORIES</b>
EQUIPMENT AND PARTS

# O-Rings

## O-Rings for Flat-Face Fittings

**Caution:** These O-Rings are compounded from a Nitrile polymer for use with petroleum-base hydraulic fluids, water and glycol and oil-water emulsions.

DO NOT USE these O-Rings with phosphate esters, diesters or phosphate ester emulsion hydraulic fluids. Instead, use O-Rings made of Viton, EPDM or CPE polymers or other materials compatible with the fluids.  
90 Durometer Hardness.



Descr.	Prod. No.	Ref. Coupling Size (In.)	Arp. No.	Weight
4 O-RING FF	7254-0125	1/4	011	.01
6 O-RING FF	7254-0126	3/8	012	.01
8 O-RING FF	7254-0127	1/2	014	.01
10 O-RING FF	7254-0128	5/8	016	.01
12 O-RING FF	7254-0129	3/4	018	.01
16 O-RING FF	7254-0130	1	021	.01
20 O-RING FF	7254-0131	1 1/4	025	.01
24 O-RING FF	7254-0132	1 1/2	029	.04

NOTE: Standard O-Ring number.

## O-Rings for British Standard Parallel Pipe (BSPP Couplings)

70 Durometer Hardness.



Descr.	Prod. No.	I.D. (mm)	Wall (mm)	Weight
4 O-RING FBSP	7254-1166	6.5	1.0	.01
6 O-RING FBSP	7254-1154	7.1	1.6	.01
8 O-RING FBSP	7254-1157	11.1	1.6	.01
10 O-RING FBSP	7254-1159	12.1	1.6	.01
12 O-RING FBSP	7254-1162	17.1	1.6	.01
16 O-RING FBSP	7254-1164	22.1	1.6	.01
20 O-RING FBSP	7254-1165	27.1	1.6	.01

# O-Rings

## O-Rings for DIN Heavy Series (PC, PCM & PCS Couplings)

70 Durometer Hardness.



Descr.	Prod. No.	I.D. (mm)	Wall (mm)	Weight
8 O-RING DIN H	7254-0154	6.0	1.5	.01
10 O-RING DIN H	7254-0151	7.1	1.6	.01
12 O-RING DIN H	7254-0153	9.1	1.6	.11
14 O-RING DIN H	7254-0150	10.5	1.8	.01
16 O-RING DIN H	7254-0149	11.9	1.8	.01
20 O-RING DIN H	7254-0152	16.6	2.4	.01
25 O-RING DIN H	7254-0144	21.6	2.4	.02
30 O-RING DIN H	7254-0146	27.6	2.4	.02
38 O-RING DIN H	7254-0145	34.6	2.4	.02

## O-Rings for DIN Light & Heavy Series (MegaCrimp® and GlobalSpiral™ Couplings)

70 Durometer Hardness.



Descr.	Prod. No.	I.D. (mm)	Wall (mm)	Weight
6 O-RING DIN H	7254-0206	4.0	1.5	.01
8 O-RING DIN H	7254-0207	6.0	1.5	.01
10 O-RING DIN H	7254-0208	7.5	1.5	.01
12 O-RING DIN H	7254-0209	9.0	1.5	.01
14 O-RING DIN H	7254-1132	10.0	2.0	.01
15/16 O-RING DIN L/H	7254-0200	12.0	2.0	.01
18 O-RING DIN L	7254-0201	15.0	2.0	.01
20 O-RING DIN H	7254-0210	16.3	2.4	.01
22 O-RING DIN L	7254-0202	20.0	2.0	.01
25 O-RING DIN H	7254-0211	20.3	2.4	.01
28 O-RING DIN L	7254-0203	26.0	2.0	.01
30 O-RING DIN H	7254-0212	25.3	2.4	.02
35 O-RING DIN L	7254-0204	32.0	2.5	.01
38 O-RING DIN H	7254-0213	33.3	2.4	.02
42 O-RING DIN L	7254-0205	38.0	2.5	.02

NOTE: ORDH works for both DIN light and DIN heavy, unless otherwise noted.

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

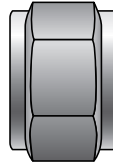







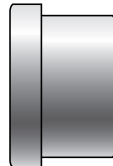
# Tube Nuts and Sleeves

## Tube Sleeve Nut



Descr.	Prod. No.	A1		H1	Weight
2TSN	7259-06805	1/8	5/16-24	3/8	.01
3TSN	7259-78295	3/16	3/8-24	1/4	.01
4TSN	7259-01105	1/4	7/16-20	9/16	.02
5TSN	7259-01115	5/16	1/2-20	5/8	.03
6TSN	7259-01125	3/8	9/16-18	11/16	.04
8TSN	7259-01135	1/2	3/4-16	7/8	.07
10TSN	7259-01145	5/8	7/8-14	1	.09
12TSN	7259-01155	3/4	1 1/16-12	1 1/4	.17
14TSN	7259-01165	7/8	1 3/16-12	1 3/8	.20
16TSN	7259-01175	1	1 5/16-12	1 1/2	.22
20TSN	7259-01185	1 1/4	1 5/8-12	2	.55
24TSN	7259-01195	1 1/2	1 7/8-12	2 1/4	.71
32TSN	7259-09055	2	2 1/2-12	2 7/8	1.19

## Tube Sleeve



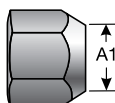
Descr.	Prod. No.	A1	Weight
3TS	7259-78275	3/16	.10
4TS	7259-23905	1/4	.10
5TS	7259-23915	5/16	.10
6TS	7259-23925	3/8	.03
8TS	7259-23935	1/2	.10
10TS	7259-23945	5/8	.02
12TS	7259-23955	3/4	.04
14TS	7259-23965	7/8	.03
16TS	7259-23975	1	.04
20TS	7259-23985	1 1/4	.05
24TS	7259-23995	1 1/2	.14
32TS	7259-24005	2	.27


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Tube Nuts and Sleeves

## Female Flareless Nut



Descr.	Prod. No.	A1		H1	Weight
4FFN	7334-40495	1/4	7/16-20	9/16	.30
5FFN	7334-40505	5/16	1/2-20	5/8	.30
6FFN	7334-40515	3/8	9/16-18	11/16	.30
8FFN	7334-40425	1/2	3/4-16	7/8	.30
10FFN	7334-40525	5/8	7/8-14	1	.30
12FFN	7334-40535	3/4	1 1/16-12	1 1/4	.30
16FFN	7334-40545	1	1 5/16-12	1 1/2	.30


## Female Flareless Sleeve



Descr.	Prod. No.	A1	Weight
4FFS	7334-40555	1/4	.03
5FFS	7334-40565	5/16	.01
6FFS	7334-40575	3/8	.01
8FFS	7334-40435	1/2	.05
10FFS	7334-40585	5/8	.30
12FFS	7334-40595	3/4	.30
16FFS	7334-40605	1	.30

## Locknuts for Bulkhead Fittings



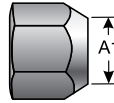
Descr.	Prod. No.		H1	Weight
5LN	7253-24615	1/2-20	3/4	.10
8LN-SH	7259-24635	3/4-16	1	.10
16LN	7253-24665	1 5/16-12	1 5/8	.10
16LN-SH	7259-24665	1 5/16-12	1 5/8	.10


EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



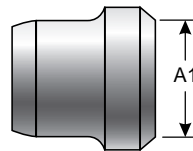
# Tube Nuts and Sleeves

## Metric Bite Nut



Descr.	Prod. No.		A1	Weight
6MNH	7253-27115	M14X1.5	6.0	.05
6MNL	7253-27105	M12X1.5	6.0	.13
8MNH	7253-27135	M16X1.5	8.0	.04
8MNL	7253-27125	M14X1.5	8.0	.03
10MNH	7253-27155	M18X1.5	10.0	.10
10MNL	7253-27145	M16X1.5	10.0	.05
12MNH	7253-27175	M20X1.5	12.0	.10
12MNL	7253-27165	M18X1.5	12.0	.05
14MNH	7253-27195	M22X1.5	14.0	.10
15MNL	7253-27185	M22X1.5	15.0	.05
16MNH	7253-27205	M24X1.5	16.0	.02
18MNL	7253-27215	M26X1.5	18.0	.15
20MNH	7253-27225	M30X1.5	20.0	.25
22MNL	7253-27235	M30X1.5	22.0	.20
25MNH	7253-27245	M36X1.5	25.0	.46
28MNL	7253-27255	M36X1.5	28.0	.20
30MNH	7253-27265	M42X1.5	30.0	.47
35MNL	7253-27275	M45X1.5	35.0	.30
38MNH	7253-27285	M52X1.5	38.0	.70
42MNL	7253-27295	M52X1.5	42.0	.48

## Metric Bite Sleeve



Descr.	Prod. No.	A1	Weight
6BS	7253-26815	6.0	.01
8BS	7253-26835	8.0	.23
10BS	7253-26855	10.0	.02
12BS	7253-26875	12.0	.01
14BS	7253-26895	14.0	.32
15BS	7253-26905	15.0	.01
16BS	7253-26915	16.0	.36
18BS	7253-26925	18.0	.02
20BS	7253-26935	20.0	.02
22BS	7253-26945	22.0	.02
25BS	7253-26955	25.0	.03
28BS	7253-26965	28.0	.48

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Tube Nuts and Sleeves

## Metric Bite Sleeve - Cont'd

Descr.	Prod. No.	A1	Weight
30BS	7253-26975	30.0	.03
35BS	7253-26985	35.0	.05
38BS	7253-26995	38.0	.06
42BS	7253-27005	42.0	.06

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
<b>ACCESSORIES</b>
EQUIPMENT AND PARTS





## Notes



# Equipment and Parts

## GC®32-XD Parts



Prod. No.	Descr.	Weight
3663-5161	Hose Assembly	.74
7482-7100	Head Replacement Kit	269.00
7482-7101	Panel Replacement Kit	19.35
7482-7102	Valve Block Adapters	.01
7482-7103	Pilot Operated Check	.80
7482-7104	Quick Change Tool	5.00
7482-7105	Dial Vernier	1.41
7482-7106	Short Mtg Bolts (Head)	.01
7482-7108	Depth Stop	2.58
7482-7109	Mirror	3.15
7482-7110	Reservoir Deck Screws	.01
7482-7111	Foot Pedal	4.24
7482-7112	Startup Tool Kit	3.20
7482-7113	Control Panel Screws	.02
7482-7114	Dial Vernier A.H. Wrench	.01
7482-7115	Control Panel Post	.41
7482-7116	Kicker Tubing (Upper)	.29
7482-7117	Kicker Tubing (Lower)	.14
7482-7118	Kicker Adaptor	.17
7482-7119	Foam Fillers	.02
7482-7124	Die Tubs	1.40
7482-7126	Head Seal	.02
7482-7175	Breather Cap	.25
7482-7176	Fuses	.01
7482-7179	Kickers	2.82
7482-7180	2 Position 3-Way Solenoid	3.46
7482-7181	Long Mtg Bolts (Head)	.01
7482-7182	Rack Bolts (4)	.02
7482-7183	Rack Nuts (4)	.01
7482-7186	Pump Bolts	.01
7482-7187	Kicker Replacement Tool Kit	1.00
7482-7188	Dial Vernier Locking Plate	.01

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





# Equipment and Parts

## GC®32-XD Parts - Cont'd

Prod. No.	Descr.	Weight
7482-7189	M5X10 Button Cap Screw	.01
7482-7190	Outer Washer (Cont. Panel)	.15
7482-7192	Inner Washer (Cont. Panel)	.10
7482-7193	Relief Valve	.04
7482-7194	Back Press. Cont. Cartridge	.40
7482-7195	Breather Element	11.00
7482-7196	Oil Filter Element	.29
7482-7197	Allen Key 6MM	.08
7482-7198	Allen Key 4MM	.03
7482-7207	Die Retention Plates	.03
7482-7208	Control Box CSA	25.40
7482-7212	SA Converter Box Complete	15.49
7482-7213	CSA Converter Box Complete	8.16

## MobileCrimp® 4-20 Parts



Prod. No.	Descr.	Weight
3663-6922	8' Hose Assy MC4-20	3.40
7482-1000	Magnet for Handling Die Sets	1.50
7482-1005	Stand	3.75
7482-1006	Pivot Spacer	.20
7482-1009	Stand Clamp	.20
7482-1012	Pivot Knob	.05
7482-1013	Positive Stop Pressure Plate	3.50
7482-1015	DD Computer Pressure Plate	3.25
7482-1016	Computer Crimp Control Box	3.75



# Equipment and Parts

## MobileCrimp® 4-20 Parts - Cont'd

Prod. No.	Descr.	Weight
7482-1027	Rubber Die Ring	.01
7482-1036	Pusher	5.75
7482-1037	Cover Plate	.75
7482-1041	Seal Kit Includes: Seal, Washer and Backup Ring	.10
7482-1098	Computer Cable	.10
7482-1099	Computer Power Module	1.75
7482-1100	Digital Dial Assy. Kit (To Upgrade PS)	6.80
7482-1102	B1 Spacer, PS	.52
7482-1103	W1 Spacer, PS	.62
7482-1104	R1 Spacer, PS	.74
7482-1105	B2 Spacer, PS	.82
7482-1106	W2 Spacer, PS	.90
7482-1107	R2 Spacer, PS	1.00
7482-1108	B3 Spacer, PS	1.12
7482-1109	W3 Spacer, PS	1.20
7482-1110	R3 Spacer, PS	1.30
7482-1111	B4 Spacer, PS	1.42
7482-1112	W4 Spacer, PS	1.50
7482-1113	R4 Spacer, PS	1.60
7482-1114	B5 Spacer, PS	1.70
7482-1115	W5 Spacer, PS	1.80
7482-1116	R5 Spacer, PS	1.88
7482-1117	Ball Plunger for Top of Cylinder	.05
7482-1147	Spring	.01
7482-1148	Die Link	.02
7482-1149	Shoulder Screws	.01
7482-1157	Slydring for Piston	.14
7482-1163	Tall Handle for DD	.74
7482-1164	Locking Pin	.10
7482-1165	Chain for Locking Pin	.06
7482-1168	Cable Assy. for DD	.12
7482-1170	DD Top Mt Contrl Kit (side to top mount)	4.35
7482-1171	DD Controller Top Mount	2.54
7482-1190	Retaining Ring for Piston	1.55

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS







## Equipment and Parts

## Power Crimp® 707 Parts



	Prod. No.	Descr.	Weight
	7480-6591	PC703 to PC707 Conversion Kit	12.00
	7482-0054	Crimp Switch Button for PC603/PC707	.15
	7482-0105	Piston New Design (Seals Included)	6.10
	7482-0106	Piston Rod	6.90
	7482-0109	Piston Rod Guide	9.80
	7482-0110	Base Plate (Machine)	45.25
	7482-0111	Tie Rod	6.00
	7482-0112	Pusher Cup (update design)	11.50
	7482-0116	Cylinder and Top Plate	78.00
	7482-0118	Spring Anchor	.07
	7482-0119	Mounting Bracket	.85
	7482-0147	O Ring Between Piston and Rod	.05
	7482-0229	Actuator Rod	1.50
	7482-0239	Die Cone With Notch	10.75
	7482-0243	Tie Rod Nut	.30
	7482-0277	Switch Box Complete w/115V Cord Assy.	3.87
	7482-0280	Digital Readout Meter	.80
	7482-0283	PC707 Shroud Only	9.10
	7482-0289	PC707 Hose Assy. (Pump to Crimper)	2.10
	7482-0291	Magnet for Removing Dies	.60
	7482-0297	Die Cone (No Notch)	10.75
	7482-0442	Microswitch	.05
	7482-0498	230V Cord Assy. for Digital Readout	.15
	7482-0499	PC707 230V Converter Kit	.73
	7482-0747	115V Cord Assy for Digital Readout	.15
	7482-0789	Die Cage Halves (Set of 2) for 700 Series	2.00
	7482-0919	Stainless Steel Washer	.01
	7482-0940	Die Cage Halves for 739	1.50
	7482-1095	PC707 Seal Kit for New Aluminum Piston Serial Nos. 14,000 and Up	.20
	7482-1215	Silver Die Back Up Ring	2.60
	7482-1422	Large Plate	4.82
	7482-1423	Large Plate and Die Kit	21.97



# Equipment and Parts

## Power Crimp® 707 Parts - Cont'd

Prod. No.	Descr.	Weight
7482-1672	Screw for Die Fingers	.03
7482-3011	Molykote 3 oz. Jar G Die Lubricant	.25
7482-6959	Piston Return Spring	1.25

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

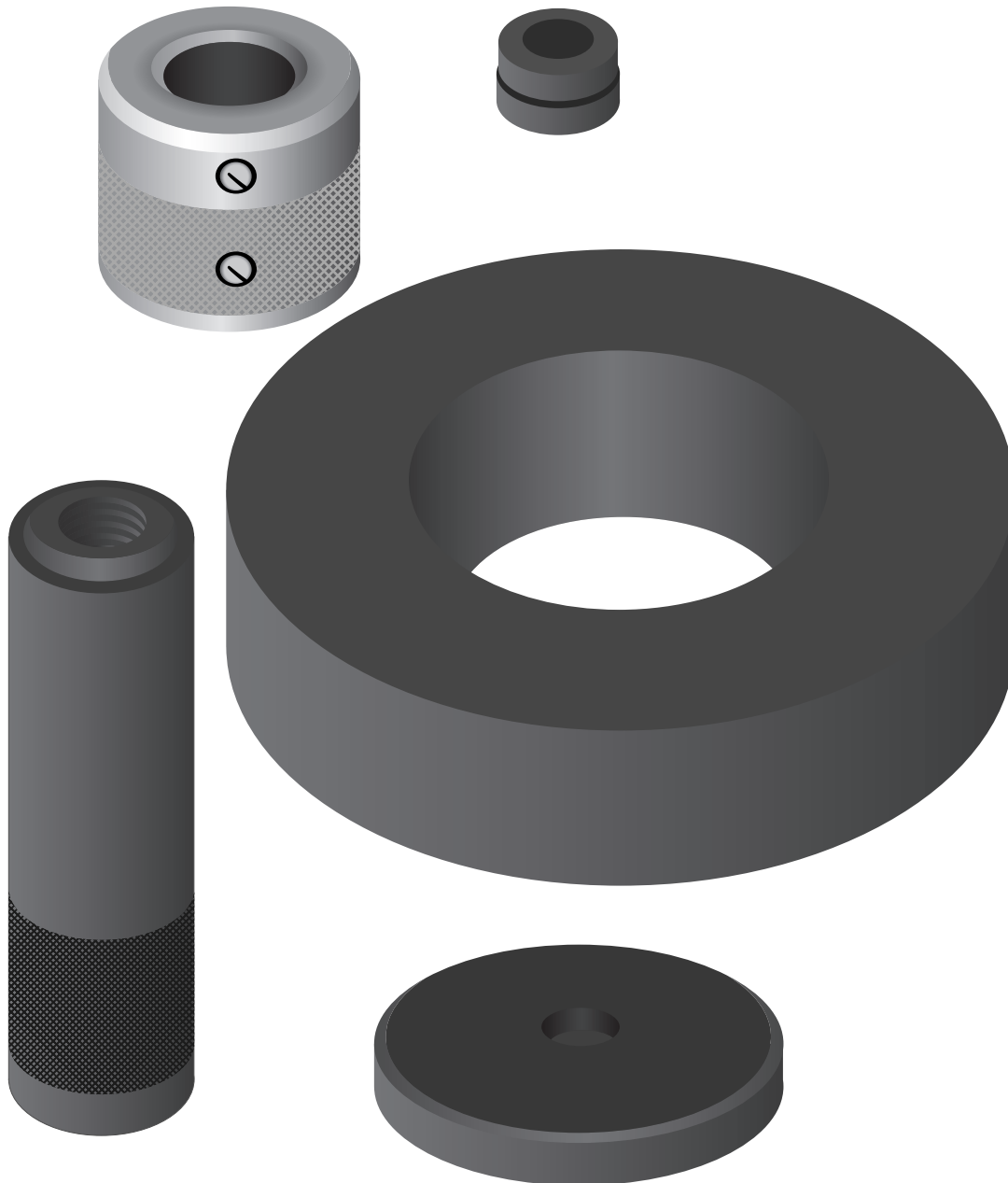
EQUIPMENT  
AND PARTS





# Equipment and Parts

## Power Crimp® 707 Swager Kit and Parts



Prod. No.	Descr.	Weight
7480-0040	PC707 Swager Kit	8.00
7482-0429	Collar Swage Kit	.10
7482-0430	Cone Swage Kit	6.50
7482-0433	Adapter Assy.	1.25
7482-0482	Actuator Rod	1.15

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Equipment and Parts

## Power Crimp® 707 Swager Kit and Parts - Cont'd

Prod. No.	Descr.	Weight
7482-1253	Spacer for Collar Serial #'s above 18555-use w/Silver Backup Ring	.55
7483-0300	G 302 1/8" Pusher Die	2.50
7483-0301	G 303 3/16" Pusher Die	2.45
7483-0302	G 304 1/4" Pusher Die	2.40
7483-0303	G 305 5/16" Pusher Die	2.40
7483-0304	G 306 3/8" Pusher Die	2.35
7483-0305	G 308 1/2" Pusher Die	2.18
7483-0306	G 312 3/4" Pusher Die	2.15
7483-0307	G 316 1" Pusher Die	1.85
7483-0308	GM001 Male Pusher Cup	1.30
7483-0309	GM002 Male Pusher Cup	1.12
7483-0310	GM003 Male Pusher Cup	1.20
7483-0311	GM004 Male Pusher Cup	1.09
7483-0312	GM005 Male Pusher Cup	1.20
7483-0313	GM009 Male Pusher Cup	1.50
7483-0314	GM010 Male Pusher Cup	1.40
7483-0315	GM011 Male Pusher Cup	1.75
7483-0316	GM012 Male Pusher Cup	1.65
7483-0317	GM013 Male Pusher Cup	2.15
7483-0319	GM023 Male Pusher Cup	1.30
7483-0332	GF003 Female Pusher Cup	1.20
7483-0333	GF006 Female Pusher Cup	1.85
7483-0334	GF008 Female Pusher Cup	1.65
7483-0335	GF009 Female Pusher Cup	1.90
7483-0336	GF011 Female Pusher Cup	1.25
7483-0337	GF012 Female Pusher Cup	1.20
7483-0338	GF013 Female Pusher Cup	1.20
7483-0339	GF014 Female Pusher Cup	1.15
7483-0340	GF015 Female Pusher Cup	1.20
7483-0341	GF016 Female Pusher Cup	1.45
7483-0346	GT204 Bent Tube Pusher Cup	1.30
7483-0347	GT205 Bent Tube Pusher Cup	1.30
7483-0351	GT312 Bent Tube Pusher Cup	1.30
7483-0355	GF005 Female Pusher Cup	1.50
7483-0356	GM007 Male Pusher Cup	1.15
7483-0357	GM008 Male Pusher Cup	1.45
7483-0358	GF002 Female Pusher Cup	1.20
7483-0359	GF004 Female Pusher Cup	1.55
7483-0361	GF017 Female Pusher Cup	1.25
7483-0362	GF010 Female Pusher Cup	1.25
7483-0363	GM062 Male Pusher Cup	1.20
7483-0364	GT206 Bent Tube Pusher Cup	.70
7483-0366	GT308 Bent Tube Pusher Cup	1.60
7483-0367	GM006 Male Pusher Cup	1.15
7483-0368	GT310 Bent Tube Pusher Cup	1.40
7483-0513	SD-4C14	2.65
7483-0514	SD-5C14	2.79
7483-0515	SD-6C14	2.60
7483-0516	SD-8C14	2.55
7483-0517	SD-10C14	2.64

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





## Equipment and Parts

### Power Crimp® 707 Swager Kit and Parts - Cont'd

Prod. No.	Descr.	Weight
7483-0518	SD-12C14	2.45
7483-0519	SD-16C14	2.30
7483-0521	P-C14-12TUBE	1.90
7483-0522	P-C14-12TUBE-JS	2.05
7483-0530	P-C14-4TUBE	1.06
7483-0531	P-C14-5TUBE	1.05
7483-0532	P-C14-6TUBE	1.35
7483-0533	P-C14-8TUBE	1.36
7483-0534	P-C14-10TUBE	1.75
7483-0536	P-C14-4FJSX	1.30
7483-0537	P-C14-5FJSX	1.30
7483-0538	P-C14-6FJX	1.25
7483-0539	P-C14-6FSX	1.25
7483-0540	P-C14-8FJSX	1.20
7483-0541	P-C14-10FJSX	1.06
7483-0542	P-C14-12FJX	1.85
7483-0543	P-C14-12FSX	.90
7483-0544	P-C14-16FJSX	1.64
7483-0545	P-C14-4MP	1.30
7483-0546	P-C14-6MP	1.25
7483-0547	P-C14-8MP-8&10ABC	1.15
7483-0548	P-C14-12MP-12ABC	1.95
7483-0549	P-C14-16MP	1.65
7483-0550	P-C14-2MP	1.35
7483-0552	P-C14-6TBFLX	.53
7483-0553	P-C14-12TBFLX	1.15
7483-0554	P-C14-16TBFLX	2.00
7483-0580	P-C14-16TUBE-JS	4.08

### LifeGuard® Tools

Prod. No.	Descr.	Weight
7482-1604	LifeGuard Sleeve Bullets -4, -6, -8	.23
7484-1600	LifeGuard Sleeve Guide Table	.25

EQUIPMENT

HOSE/CPLG.  
SELECTION

G8K  
COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM/PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER  
CRIMP  
COUPLINGS

LOC, GL AND  
GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL  
II COUPLINGS

C14  
COUPLINGS

PCTS  
THERMO-  
PLASTIC  
COUPLINGS

FIELD  
ATTACHABLE  
G1 AND G2  
COUPLINGS

FIELD  
ATTACHABLE  
C5 AND C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT  
AND PARTS



# Equipment and Parts

## Rebuilt Equipment

**Description:** All rebuilt equipment carries a full one-year warranty, the same as the new equipment. All equipment has been repainted and refurbished. Inventory varies. Contact Iola Distribution (318) 365-6961 for specific products availability.



Prod. No.	Descr.	Weight
7480-00437	PC707ND (No Dies)	250.00
7480-00447	PC3000B No Dies	344.00
7480-00467	PC707ND (No Dies) - 230 Volt	250.00
7480-00497	PC707ND (No Dies) w/Brackets	250.00
7480-00507	MC4-20 PS Refurb	74.00
7480-00517	MC4-20 DD Refurb	74.00
7481-00027	Air Pump for MC4-20	12.00
7481-00067	Hand Pump for MC4-20	29.00
7481-00147	PC3000B E-H Pump	80.00
7481-00237	PC707 E-H Pump	85.00
7481-00287	PC707 E-H Pump - 230 Volt	85.00
7481-00337	1/4HP, 115V - Pump MC4-20	20.00
7481-00347	1/2HP, 115V Pump MC4-20	37.00
7481-00357	1 1/2HP, 115V Pump MC4-20	140.00
7481-00377	1/4HP, 12VDC Pump MC4-20	20.00

## Finn Power Equipment Die Sets

Prod. No.	Descr.	Weight
7482-0950	Die Set (FP31)	10.15
7482-0951	Die Set (FP32)	9.95
7482-0952	Die Set (FP33)	9.75
7482-0953	Die Set (FP34)	9.55
7482-0954	Die Set (FP35)	9.25
7482-0955	Die Set (FP36)	8.85
7482-0956	Die Set (FP37)	8.45
7482-0958	Die Set (FP39)	10.10
7482-0960	Die Set (FP311)	8.85
7482-0961	Die Set (FP312)	7.30
7482-0962	Die Set (FP313)	6.70
7482-0963	Die Set (FP301)	10.20
7482-0964	Die Set (FP6AC)	5.15
7482-0965	Die Set (FP8AC)	5.10
7482-0966	Die Set (FP10AC)	5.10
7482-0967	Die Set (FP12AC)	4.85

- EQUIPMENT
- HOSE/CPLG. SELECTION
- G8K COUPLINGS
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- STAINLESS STEEL
- POWER CRIMP COUPLINGS
- LOC, GL AND GLP COUPLINGS
- POLARSEAL COUPLINGS
- POLARSEAL II COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 AND G2 COUPLINGS
- FIELD ATTACHABLE C5 AND C5E COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- ADAPTERS
- QUICK DISCONNECT COUPLERS
- LIVE SWIVEL
- BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS





# Equipment and Parts

## Finn Power Equipment Die Sets - Cont'd

Prod. No.	Descr.	Weight
7482-0969	Die Set (FP32C4)	4.65
7482-0970	Die Set (FP314)	5.70
7482-0971	Die Set (FP30)	10.20
7482-0972	Die Set (FP304)	9.80
7482-0973	Die Set (FP302)	10.20
7482-0974	Die Set (FP86)	4.65
7482-0975	Die Set (FP87)	6.00
7482-0976	Die Set (FP88)	6.60
7482-0984	Die Set (FP21)	10.05
7482-0985	Die Set (FP22)	5.10
7482-1129	Die Set (FP310L)	9.50
7482-1248	Die Set (FP81)	7.90
7482-1249	Die Set (FP82)	7.35
7482-1250	Die Set (FP83)	6.50
7482-1251	Die Set (FP84)	6.90
7482-1252	Die Set (FP85)	5.25
7482-1258	Die Set (FP21S)	5.00
7482-1259	Die Set (FP22S)	5.45
7482-1281	Die Set (FP91)	9.80
7482-1325	Die Set (FP22M)	9.80
7482-1331	Die Set (FP18M)	10.00
7482-1403	Die Set (FP400)	5.45
7482-1405	Die Set (FP3335)	9.48
7482-1406	Die Set (FP3234)	9.48
7482-1415	Die Set (FP3436)	9.47
7482-1440	Die Set (FP3537) LG	8.98
7482-1441	Die Set (FP3638) LG	8.57
7482-1442	Die Set (FP38311) LG	9.00

## Uniflex Equipment Die Sets

Prod. No.	Descr.	Weight
7482-1382	Die Set (21)	4.40
7482-1383	Die Set (22)	4.30
7482-1386	Die Set (33)	4.15
7482-1387	Die Set (34)	3.95
7482-1388	Die Set (35)	3.75
7482-1390	Die Set (37)	3.05
7482-1392	Die Set (39)	3.15
7482-1394	Die Set (311)	24.85

EQUIPMENT
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 AND G2 COUPLINGS
FIELD ATTACHABLE C5 AND C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS







