



GATES HYDRAULICS

Hose, Couplings & Equipment





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Power Crimp Couplings

Power Crimp® Couplings

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Locknuts for Bulkhead Fittings	5LN	Q21	Gates Hose Cutter Model 2-24	7480-6600	R21
Metric Bite Nut	6MNH	Q22	Gates Hose Cutter Model 6-32	7480-6597	R21
Metric Bite Sleeve	6BS	Q22	Gates Power Cutter 207	7480-6598	R22
			Hand Skiving Tools	7482-0410	R22
MegaClean™			Hand Skiving Mandrels	7482-0408	R23
MegaClean™ Foam Projectile	7467-50015	Q23	Hand-Held Hose Cutter	7469-0153	R23
			Hand-Operated Hose Perforator Tool	7482-6565	R24
Equipment and Parts			Blade for Skil Saw	7482-0099	R24
			Power Mate 25 Machine and Stand	7480-0029	R25
Equipment and Parts			Hydraulic Coupling Cabinet, Thread Kits and Calipers	7484-0021	R25
GC32-XD Crimpers and Stand	7482-7226	R1	Lock-on-Tool and Parts	7482-1072	R26
GC32-XD Dies	7482-7205	R1	Small Nylon Tubing Cutter & Replacement Blades	7208-40205	R27
GC32-XD Parts	7482-7198	R2	Rebuilt Equipment	7481-00357	R27
MobileCrimp® 4-20 Crimper and Pumps	7481-0035	R4	Finn Power Equipment Die Sets	7482-1403	R28
MobileCrimp® 4-20 Dies	7482-1400	R4	Uniflex Equipment Die Sets	7482-1382	R29
MobileCrimp® 4-20 Parts	3663-6922	R5	MegaClean™ Launcher Kits	7467-0003	R29
Power Crimp® 707 Crimper and Pumps	7481-0023	R7	MegaClean™ Launcher Parts	7467-2003	R30
Power Crimp® 707 Dies	7482-1122	R7	MegaClean™ Hose Nozzles	7467-3025	R30
Power Crimp® 707 Parts	7482-0747	R8			
Power Crimp® 707 Swager Kit and Parts	7482-0482	R9			
OmniCrimp® 21 Dies	7482-0728	R11			
OmniCrimp® 21 Parts	7482-0660	R12			
Power Crimp® 3000B Crimper and Pumps	7481-0026	R13			





Standard Packaging

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.



Standard Packaging



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.





Notes





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 Installation¹ – 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 Range² – 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.

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[®] 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.

¹SAE provides helpful video and print information that supplements this summary. Contact SAE at 1-877-606-7323 or at www.sae.org.

²Actual 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.





For Safety's Sake

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

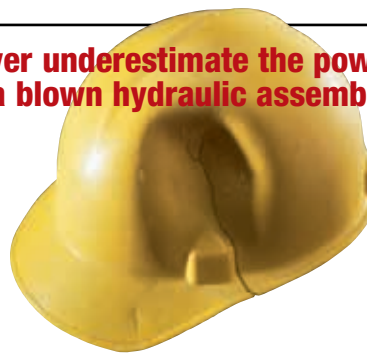
WARNING



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

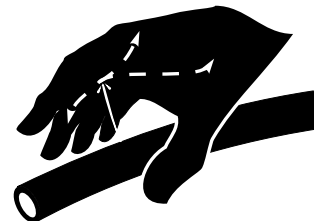
1. Select proper hose assemblies for the application. Many factors and conditions affecting the inside and outside diameter of the hose must be taken into account.
2. Hose assembly routing **must not** create an injury hazard or damage hose. Refer to the standards, regulations and directories that apply 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.

6. **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.

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 WARRANTY

The Gates Corporation ("Gates") product is warranted to be free from defects in material or workmanship for twenty-four (24) months 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.



Hydraulic Products for the Growing World of Industry



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.



The World's Most Trusted Name in Belts, Hose and Hydraulics.

www.gates.com/hydraulics

A3



Gates Hydraulics Means Global Reliability



Our hydraulic products are designed for a world of applications. A case in point: our global hose line. Gates global hose and couplings were developed to offer complete and consistent hydraulic coverage for all major industries worldwide.

To create a global hose line, all of our hoses meet strict international specification guidelines and even more stringent Gates quality requirements before they could carry a “Global” label. This was required to ensure that every hose, regardless of whether it was made in Mexico, Canada, Belgium, India, Brazil, or in the U.S.A., would meet or exceed all major global quality specifications. Plus, we had to develop couplings designed for global distribution, too — couplings to meet EN/DIN and SAE standards.

Now, all of our hard work has paid off... for you. Whether your equipment is made in Japan, Germany, the United States or elsewhere, Gates now has hose, fittings and other hydraulic equipment products to fit your application needs. Best of all, it's product you can rely on and available from a Gates manufacturing facility located nearby.

Global Hose Identification

Spiral-Wire Hose

G8K	EFG6K	EFG5K
EFG4K	EFG3K	

Wire-Braid Hose

M6K	M5K	M4K+
MegaTech®	M2T Plus	M3K
G1	G1H	G2
G2H	G2XH	

Textile High Temperature Hose

GTH	G3H	GTHX
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Return Line/Low Pressure Hose

GMV	G4H
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Gates Global MegaSys® Pressure Hose Line*

Use the chart below for easy hose selection. Just find the required pressure and the chart will show you which hose meets that pressure in the applicable ID. Gates “M” hoses are wire-braid construction and use Gates MegaCrimp® couplings. Gates “G” hoses are spiral-wire construction and use Gates GlobalSpiral™ couplings.

ID	-4 (1/4")	-5 (5/16")	-6 (3/8")	-8 (1/2")	-10 (5/8")	-12 (3/4")	-16 (1")	-20 (1 1/4")	-24 (1 1/2")	-32 (2")
PSI 6000	M6K		EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K
5000	M5K	M5K	M5K/EFG5K	EFG5K	EFG5K	EFG5K	EFG5K	EFG5K	EFG5K	EFG5K
4000	M4K+		M4K+/EFG4K	M4K+/EFG4K	M4K+/EFG4K	M4K+/EFG4K	EFG4K	EFG4K		
3000	M3K	M4K	M3K	M3K	M3K	M3K	M3K	EFG3K	EFG3K	EFG3K

* Global MegaSys pressure hoses are offered in standard and abrasion resistant MegaTuff® or XtraTuff™ covers.

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)
	R ₂	Minimum Bend Radius
	○	Vacuum

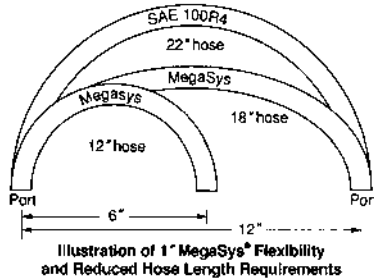
Couplings:	A	Hose/Tube Diameter
	C	Cut-Off
	D	Mounting Hole
	F	Flange Head Thickness
	H1	Stem Hex
	H2	Nut Hex
	L	Length
	M	Flange Diameter
	N	Nominal Flange Size
	T	Drop





Gates MegaSys® hoses are more flexible – bend to half SAE bend radius

Gates MegaSys hoses bend to half the bend radius of other SAE 100R1, 100R2, 100R4, 100R9 and 100R12 type hoses. This means they are ideal for tight applications. And the incredible flexibility of MegaSys means you can use less hose per application.



Features

- A full line of hoses designed for one-half SAE bend radius at full SAE pressure
- Longer life in applications where equipment movement causes sharp bends in hydraulic hose
- Increased flexibility for easier hose installation
- M6K, M5K, EFG4K, M4K+, M3K and M2T® meet tough flex-impulse testing that flexes hose during impulse pressure testing. Simulates severe equipment applications like boom arms or grapples.

Benefits

- Reduces hose length requirements up to 47 percent
- Reduces inventory requirements
- Flexibility allows routing in small spaces
- Tight bend radius means fewer bent tube couplings
- Plumbs and bends easier than conventional hoses

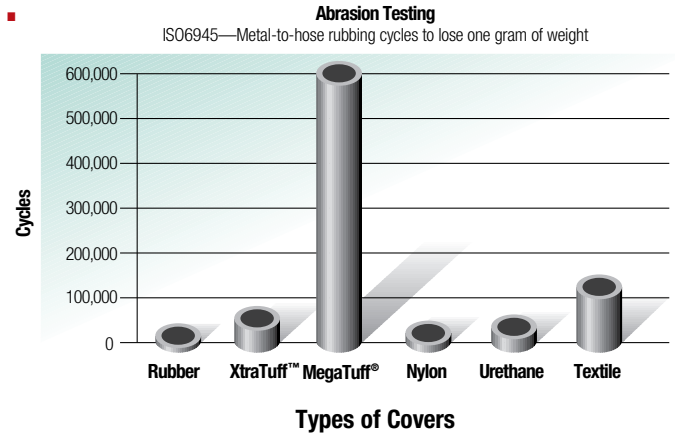
Hose covers proven to be tough...

MegaTuff® Hose Cover

- Super-tough cover solves abrasion problems
- Replaces spring guards and protective sleeves in high-wear applications
- Resists cracking from UV rays
- 300x the abrasion resistance of standard hose covers

XtraTuff™ Hose Cover

- Mid-range abrasion-resistant cover
- Replaces spring guards and protective sleeves in high-wear applications
- 25x the abrasion resistance of standard hose covers



EFG4K MegaSpiral® Hose

- One-half SAE 100R12 bend radius
- Abrasion-resistant synthetic rubber cover increases service life
- 3,000 to 4,000 psi working pressure
- Development tested at 133 percent of maximum working pressure up to 1,000,000 impulse cycles
- Abrasion-resistant MegaTuff® cover available

M4KH+ Mega4000® Hose

- The + indicates development testing at 150 percent of maximum working pressure up to 600,000 impulse cycles
- Exceeds SAE 100R19 in all sizes
- One-half SAE 100R1, 100R2 and 100R9 bend radius
- SAE 100R9 performance on 1/2" sizes
- SAE 100R12 pressure on 3/8" to 3/4" sizes
- All sizes have 4,000 psi working pressure
- Replaces spiral hose under certain conditions
- Abrasion-resistant XtraTuff™ and MegaTuff® covers available
- Meets new SAE 100R19
- Meets high-temp req. up to 250°F

M2T® Plus MegaFlex®

- M2T® Plus now available
- Exceeds SAE 100R16 in all sizes
- One-half SAE 100R2 bend radius
- Smaller O.D., low profile and lightweight
- Superior flex impulse performance
- Development tested at 133 percent of maximum working pressure up to 600,000 impulse cycles
- Abrasion-resistant MegaTuff® cover available

M3KH Mega3000® Hose

- Exceeds new SAE 100R17 specifications
- One-half SAE 100R1, 100R2 and 100R9 bend radius
- SAE 100R9 performance on 3/4" and 1" sizes
- All sizes have 3,000 psi working pressure
- Development tested at 133 percent of maximum working pressure up to 600,000 impulse cycles
- Abrasion-resistant XtraTuff™ and MegaTuff® covers available
- Meets high-temp req. up to 250°F

GMV MegaVac®

- One-half SAE 100R4 bend radius
- Flexible and lightweight
- Available in 100' lengths
- Suitable for return, suction and vacuum lines





TuffCoat™ Plating 500% Better



500+ percent improvement over the 72-hour SAE standard.

- Provides 400 hours of red rust corrosion protection when subjected to rigorous SAE J516 and ASTM-B-117 salt-spray conditions.
- Innovative new technology gives our world-class hydraulic couplings four times more corrosion resistance than before.
- Gates corrosion-resistant coupling plating is also earth-safe.

TuffCoat™ sets the global standard for the plating of hydraulic fittings in both corrosion resistance and environmental friendliness.

Plus, Gates has removed all hexavalent chromium from its plating processes. This metal, which is common in industrial plating, has been found to be toxic to the environment. We engineered

TuffCoat to be stronger and more resistant to corrosion, without the toxicity of hexavalent chromium.

This is just another example of our ongoing commitment to be a global leader in the manufacture of superior products designed for worldwide distribution.



Competitor

Gates

Competitor

Competitor

Competitor

Tested under SAE J516 and ASTM-B-117 salt-spray conditions, TuffCoat provided more than 400 hours of protection from “red dust” (rust) formation. That is over 500 percent better than the 72-hour SAE standard.

Note how the Gates TuffCoat coupling shows no “red dust” (rust) formation. (White patches on couplings are salt residue, not corrosion.)





MegaCrimp® Couplings

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

It's what's inside the MegaCrimp coupling that gives it world-class performance. The patented MegaCrimp coupling “C” insert can be used on hoses with different constructions and wall thicknesses. In addition, the “C” insert's design ensures crimping forces are evenly distributed to form a concentric seal.

The unique “C” insert simplifies your inventory requirements. One size of MegaCrimp coupling can accommodate various hose outside diameters, one- and two-wire hoses and thermo-plastic hose. And here's an added bonus: the MegaCrimp coupling is a fully qualified EN-performance coupling.



Key features

- Robust “bite-the-wire” crimp
- Versatile
- Low profile
- Full-stem insertion
- Full-length crimp
- Easy-to-manage inventory reduces SKUs
- Environmentally-friendly TuffCoat™ plating for 500 percent better corrosion resistance
- Fully qualified EN-performance coupling



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.



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



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





GlobalSpiral™ **Gates Exclusive!** The no-skive coupling... one stem is all you need

Gates Female Swivel Nut Coupling

Robust swivel joint allows for maximum torque

Strong Full-Torque Nut™ – up to 24,000 psi burst pressure (-16 size G6K) with improved torque resistance

VS.

Competitor's Female Swivel Nut Coupling

Staked nut provides less burst pressure protection

Swivel joint sensitive to over-torquing

Features	Benefits
No skive	Fast, tailor-made assemblies. Eliminates skiving equipment, odor and dust.
Tested to 1,000,000 impulse cycles	Extended coupling life.
Rated to 6,000 psi working pressure in all sizes*	Easy-to-manage inventory. Fewer SKUs.
Over 30-plus thread/flange configurations	Application coverage.
TuffCoat™ plating	More than five times better corrosion resistance than SAE ASTMB117 specification.
"Bite-the-wire" crimp	Improved coupling retention.
Premium non-lead steel	Maximum strength.
+250°F temperature capability	Full performance at high temperatures. Longer coupling life.
Machined FJX and FFORX nuts	4:1 burst performance up to 24,000 psi. Improved torque/sealing capability.
Meets worldwide DIN, EN, SAE, ISO and Gates G6K standards and requirements	World-class performance.
One stem used for all spiral hoses	Less inventory. Easier to use.

*Except as noted in coupling tables

Plus! **GlobalSpiral™ Flanges** **Solid, one-piece flange couplings preferred for high-pressure applications**

Features	Benefits
No braze/weld joints	More reliable. High pressure capability.
Tapered flange head design	Increased stress resistance. Better vibration resistance and reliability by eliminating braze joints.
Easily adapts to flange ports	Better stress resistance than brazed or welded fittings. Easier to install assemblies. Reduces replacement cost for standard and straight coupling assemblies. More design flexibility.
Thicker tube walls	Eliminate possible leak points. Better vibration resistance.
Premium lead-free steel	Improved flexing impulse performance.
TuffCoat™ plating	More than five times better corrosion resistance than SAE ASTMB117 specification.
No braze/weld joints	High-pressure reliability. Eliminates flange head separation and premature tube failure. Increases safety factor and burst ratios.

Gates Solid Flange Coupling

Thick tube wall machined from solid stock offers maximum strength and durability

No braze/weld joints are more reliable in high-pressure applications

VS.

Competitor's 90° Flange Coupling

Thin tube wall is more susceptible to cracking

Brazed construction makes coupling failure more likely





It's a 4-Wire World

For many years, hydraulic fabricating shops needed to carry inventories of only two-wire braid hose. Then, four-wire spiral became necessary for larger, off-road specialty equipment.

Today, it's a four-wire world...

As hydraulic systems have evolved, even smaller, light-duty equipment is designed with four-wire spiral hose. Hydrostatic drives using four- and six-wire hoses are now being used on equipment ranging from lawn tractors to heavy-duty dirt movers and everything in between.

The demands of today's working schedules require faster, more powerful equipment. Original Equipment Manufacturers (OEMs) are delivering just that by increasing working pressures within their hydraulic systems. Twenty years ago, a backhoe operated on a working pressure of 2,000 p.s.i. Now, a backhoe will operate at up to twice that.

Bottom line: to better service all of your hydraulic customers, you need a solid four-wire inventory. Gates EFG4K hose and GlobalSpiral™ couplings are designed for the rigors of modern hydraulic systems. They are field-tested, high quality and value priced.

Contact your Gates representative to learn how to best update your hydraulics inventory and bring it into the new four-wire world.



2-Wire vs. 4-Wire Hydraulic Hose Construction

*Example of
2-Wire Braid
Construction.*



*Example of
4-Wire Spiral
Construction.*



Features to look for:

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What it means to be **Gates Connected™**

At Gates, our connection to you — our customer — goes far beyond your purchase of our hose and couplings. For nearly 100 years, we have stood solidly behind everything we make and remain resolute in our commitment to fulfilling our customers' requirements.

It is this commitment to product quality and customer service that is at the heart of our "Gates Connected" philosophy. And for this, and the reasons detailed below, many of the world's top companies value being Gates Connected and have developed unwavering ties to Gates and to our products.

Get Connected

Field Sales Specialists

Training and sales
support assistance

(800) 777-6363

Product Application Engineers

Technical questions
on products

(303) 744-5070

Account Representatives

General customer service

(800) 366-3128

A connection to experience

Gates provides a total hydraulics hose and connector solution — the best value in the business — that includes innovative product development and testing, application engineering support, and an unparalleled safety program.

Being Gates Connected puts you in touch with this solution and our vast knowledge base in hydraulic technologies. Gates hydraulic product engineers and designers have extensive experience in all significant hydraulic applications, including construction, mining and manufacturing.

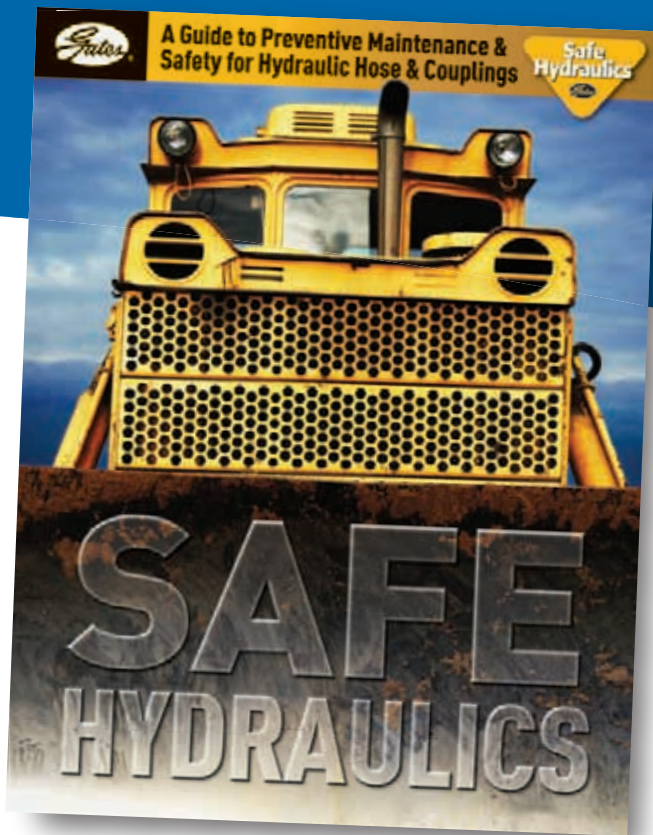
A connection to answers

When you are Gates Connected, you can count on our award-winning support — from the office or in the field — to quickly get you to the right hydraulic products and the right solutions for any specific application.

Gates Product Application Engineers provide expert support for field personnel and customers alike. These experienced professionals are readily available to provide answers to your toughest fluid power questions.

Plus, Gates has made hydraulic product support even easier by our exclusive software tools. Quick-PIC™, our construction aftermarket support program, can identify replacement assemblies by equipment manufacturer in seconds. AIM™ (Accurate Inventory Manager) software ensures customers stock the right amount of hydraulic products at the right time.





A connection to safety

Our Safe Hydraulics guide is free to Gates customers and offers a wealth of safety topics in clear and concise language, including "Selecting the Right Hose" and "Proper Hose Assembly." This comprehensive publication also covers hose construction, coupling identification, proper installation and troubleshooting.

Also free to our customers is the Gates Safe Hydraulics seminar. Gates hydraulic experts will travel to your site to conduct an infor-

mative training seminar for managers, supervisors and employees — all free of charge! In addition to improving the safety of your hydraulics, this seminar can also help support your OSHA safety program requirements.

A connection to the future

Gates has always combined innovative thinking with customer input. This strategy has allowed us to produce a broad range of viable products, while also planning for

tomorrow's products today. Our engineers constantly work with our customers to get useful data on product performances and usages. Our Custom Coupling Center provides solutions for unique or out-of-production hydraulic connectors. Contact your Gates representative for more information.

With Gates as your hydraulics product supplier, you get more than innovative products, experienced people, and full product support. You get a valuable industry partner who can help make your hydraulic hose, connectors and assemblies work better, longer, and at a lower overall cost.

That's what it means to be Gates Connected.



The World's Most Trusted Name in Belts, Hose and Hydraulics.

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A11



Constant Pressure Hose Products

MegaSys® Pressure Matrix – SAE Specifications

	-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	EFG6K	EFG5K
6000 PSI	M6K		EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	
8000 PSI						G8K	G8K			

Red: Exceeds SAE 100R1

Green: Exceeds SAE 100R2

Gold: Exceeds SAE 100R12

Blue: Exceeds SAE 100R13

Purple: Exceeds SAE 100R15

M3K Exceeds SAE 100R17

M4K Exceeds SAE 100R19

MegaSys® Pressure Matrix – European Norm (EN) Specifications

	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			

Red: Exceeds 1SN/1SC

Green: Exceeds 2SN/2SC

Gold: Exceeds 4SP

Blue: Exceeds 4SH

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 all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SP (-6, -8, -10 and -12) and EN 856 4SH (-12, -16, and -20). 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) alternating layers of spiraled, high-tensile steel.

Cover: Black, oil resistant, synthetic rubber (Neoprene - Type A). Blue stripe with gold print layline. 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):
GlobalSpiral™ Couplings



Description	Product No.	⊘	∅	⊘	⊘	⊘	Packaging	Standard Pack
6EFG6KXCTN	4651-1396	3/8	0.80	6,000	24,000	5.0	A	100
8EFG6KXCTN	4651-1371	1/2	0.95	6,000	24,000	7.0	A	100
8EFG6KXLL	4651-1613	1/2	0.95	6,000	24,000	7.0	O	100
10EFG6KXCTN	4651-1368	5/8	1.09	6,000	24,000	8.0	A	100
10EFG6KXLL	4651-1397	5/8	1.09	6,000	24,000	8.0	O	200
12EFG6KXCTN	4651-1288	3/4	1.24	6,000	24,000	9.5	A	100
12EFG6KXLL	4651-1398	3/4	1.24	6,000	24,000	9.5	O	200
16EFG6KXCTN	4651-1289	1	1.53	6,000	24,000	12.0	A	100
16EFG6KXLL	4651-1399	1	1.53	6,000	24,000	12.0	O	200
20EFG6KXCTN	4651-1290	1 1/4	1.97	6,000	24,000	16.5	B	50
20EFG6KXLL	4651-1400	1 1/4	1.97	6,000	24,000	16.5	O	200

Extremely High Pressure

EFG6K Spiral Wire Hose— MegaTuff® Cover

(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 all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SP (-6, -8, -10 and -12) and EN 856 4SH (-12, -16, and -20). 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) alternating layers of spiraled, high-tensile steel.

Cover: Black, oil resistant, synthetic rubber (Neoprene - Type A). Blue stripe with gold print layline. 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):
GlobalSpiral™ Couplings



Description	Product No.	⊘	∅	⊘	⊘	⊘	Packaging	Standard Pack
6EFG6K-MTFXCTN	4651-1435	3/8	0.80	6,000	24,000	5.0	A	100
8EFG6K-MTFXCTN	4651-1609	1/2	0.95	6,000	24,000	7.0	A	100
10EFG6K-MTFXCTN	4651-1416	5/8	1.09	6,000	24,000	8.0	A	100
12EFG6K-MTFXCTN	4651-1606	3/4	1.24	6,000	24,000	9.5	A	100
16EFG6K-MTFXCTN	4651-1604	1	1.53	6,000	24,000	12.0	B	100
20EFG6K-MTFXCTN	4651-1601	1 1/4	1.97	6,000	24,000	16.5	B	50



The World's Most Trusted Name in Belts, Hose and Hydraulics.

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Global G6K Spiral Wire Hose— SAE 100R15

Extremely High Pressure

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

Recommended For: Extremely high-pressure, high-impulse applications such as hydrostatic transmissions. G6K is designed to meet all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SH (-24).

Revolutionary Design: Makes designing and plumbing of extremely high-pressure hydraulic systems easy and efficient. 1 1/2" sizes available in 121' through 200' continuous lengths.

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

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

Cover: Black, oil resistant, synthetic rubber (Neoprene - Type A). Dual gold stripe layline. 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):

Permanent PCM Couplings (-24)

Coupling Recommendation Note: Skiving Required for PCM Couplings.



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
24G6KXCTN*	4651-0673	1 1/2	2.26	6,000	24,000	20.0	B	50
24G6KXLL	4651-1366	1 1/2	2.26	6,000	24,000	20.0	0	200

* 24G6K requires a special 24PCM-G6K ferrule.

EFG5K Spiral Wire Hose—SAE 100R13

Extremely High Pressure

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

Recommended For: Extremely high-pressure hydraulic applications. EFG5K is designed to meet all requirements of SAE 100R13 specifications and performance requirements of EN 856 4SH (-16 and -20), EN 856 4SP (-8, -10, and -12) and EN 856 R13. 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) alternating layers of spiraled, high-tensile steel.

Cover: Black, oil resistant, synthetic rubber (Neoprene - Type A). Blue stripe with red print layline. 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):

GlobalSpiral™ Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
6EFG5KXCTN	4651-1424	3/8	0.80	5,000	20,000	5.0	A	100
8EFG5KXCTN	4651-1372	1/2	0.95	5,000	20,000	7.0	A	100
8EFG5KXLL	4651-1612	1/2	0.95	5,000	20,000	7.0	0	200
10EFG5KXCTN	4651-1340	5/8	1.09	5,000	20,000	8.0	A	100
10EFG5KXLL	4651-1390	5/8	1.09	5,000	20,000	8.0	0	200
12EFG5KXCTN	4651-1285	3/4	1.24	5,000	20,000	9.5	A	100
12EFG5KXLL	4651-1391	3/4	1.26	5,000	20,000	9.5	0	200
16EFG5KXCTN	4651-1286	1	1.53	5,000	20,000	12.0	A	100
16EFG5KXLL	4651-1392	1	1.53	5,000	20,000	12.0	0	200
20EFG5KXCTN	4651-1287	1 1/4	1.97	5,000	20,000	16.5	B	50
20EFG5KXLL	4651-1393	1 1/4	1.97	5,000	20,000	16.5	0	200
24EFG5KXCTN	4651-1455	1 1/2	2.26	5,000	20,000	20.0	B	50
24EFG5KXLL	4651-2208	1 1/2	2.26	5,000	20,000	20.0	0	200
32EFG5KXCTN	4651-1456	2	2.80	5,000	20,000	25.0	B	50
32EFG5KXLL	4651-0059	2	2.80	5,000	20,000	25.0	0	200





(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 hydraulic applications. EFG5K is designed to meet all requirements of SAE 100R13 specifications and performance requirements of EN 856 4SH (-16 and -20), EN 856 4SP (-8, -10, and -12) and EN 856 R13. 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) alternating layers of spiraled, high-tensile steel.

Cover: Black, oil resistant, synthetic rubber (Neoprene - Type A). Blue stripe with red print layline. 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):
GlobalSpiral™ Couplings



Description	Product No.	⌀	⊘	⊙	⊙	⊙ _R	Packaging	Standard Pack
6EFG5K-MTFXCTN	4651-1436	3/8	0.80	5,000	20,000	5.0	A	100
8EFG5K-MTFXCTN	4651-1608	1/2	0.94	5,000	20,000	7.0	A	100
10EFG5K-MTFXCTN	4651-1410	5/8	1.09	5,000	20,000	8.0	A	100
12EFG5K-MTFXCTN	4651-1605	3/4	1.24	5,000	20,000	9.5	A	100
16EFG5K-MTFXCTN	4651-1603	1	1.53	5,000	20,000	12.0	B	100
16EFG5K-MTFXLL	4651-4001	1	1.53	5,000	20,000	12.0	O	200
20EFG5K-MTFXCTN	4651-1600	1 1/4	1.97	5,000	20,000	16.5	B	50
20EFG5K-MTFXLL	4651-4002	1 1/4	1.97	5,000	20,000	16.5	O	200
24EFG5K-MTFXCTN	4651-2203	1 1/2	2.26	5,000	20,000	20.0	B	50
24EFG5K-MTFXLL	4651-2204	1 1/2	2.26	5,000	20,000	20.0	O	200
32EFG5K-MTFXCTN	4651-1522	2	2.80	5,000	20,000	25.0	B	50
32EFG5K-MTFXLL	4651-2211	2	2.80	5,000	20,000	25.0	O	200

(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 EN 856 4SP (-16). 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). Blue stripe with white print layline. 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):
GlobalSpiral™ Couplings



Description	Product No.	⌀	⊘	⊙	⊙	⊙ _R	Packaging	Standard Pack
6EFG4KXCTN	4651-1338	3/8	0.80	4,000	16,000	2.5	A	100
8EFG4KXCTN	4651-1339	1/2	0.94	4,000	16,000	3.5	A	100
8EFG4KXLL	4651-1611	1/2	0.94	4,000	16,000	3.5	O	200
10EFG4KXCTN	4651-1367	5/8	1.09	4,000	16,000	4.0	A	100
10EFG4KXLL	4651-1614	5/8	1.09	4,000	16,000	4.0	O	200
12EFG4KXCTN	4651-1282	3/4	1.21	4,000	16,000	4.8	A	100
12EFG4KXLL	4651-1385	3/4	1.21	4,000	16,000	4.8	O	200
16EFG4KX100FT	4651-1460	1	1.50	4,000	16,000	6.0	T	100
16EFG4KXCTN	4651-1283	1	1.50	4,000	16,000	6.0	A	100
16EFG4KXLL	4651-1386	1	1.50	4,000	16,000	6.0	O	200
20EFG4KXCTN	4651-1284	1 1/4	1.85	4,000	16,000	8.3	B	50
20EFG4KXLL	4651-1387	1 1/4	1.85	4,000	16,000	8.3	O	200





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 EN 856 4SP (-16). 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). Blue stripe with white print layline. 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):
GlobalSpiral™ Couplings



Description	Product No.	⌀	⌀	⌀	⌀	R ₂	Packaging	Standard Pack
6EFG4K-MTFXCTN	4651-1610	3/8	0.80	4,000	16,000	2.5	A	100
8EFG4K-MTFXCTN	4651-1607	1/2	0.94	4,000	16,000	3.5	A	100
10EFG4K-MTFXCTN	4651-1404	5/8	1.09	4,000	16,000	4.0	A	100
12EFG4K-MTFXCTN	4651-1405	3/4	1.21	4,000	16,000	4.8	A	100
12EFG4K-MTFXLL	4651-1388	3/4	1.21	4,000	16,000	4.8	O	200
16EFG4K-MTFXCTN	4651-1406	1	1.50	4,000	16,000	6.0	A	100
16EFG4K-MTFXLL	4651-1389	1	1.50	4,000	16,000	6.0	O	200
20EFG4K-MTFXCTN	4651-1602	1 1/4	1.85	4,000	16,000	8.3	O	50
20EFG4K-MTFXLL	4651-1638	1 1/4	1.85	4,000	16,000	8.3	O	200

EFG3K Spiral Wire Hose—SAE 100R12

Extremely High Pressure

(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 and EN 856 R12 and performance requirements of EN 856 4SP. 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). Blue stripe with white print layline. 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):
GlobalSpiral™ Couplings



Description	Product No.	⌀	⌀	⌀	⌀	R ₂	Packaging	Standard Pack
20EFG3KXCTN	4651-1381	1 1/4	1.85	3,000	12,000	8.3	A	100
20EFG3KXLL	4651-1384	1 1/4	1.85	3,000	12,000	8.3	O	200
24EFG3KXCTN	4651-1451	1 1/2	2.11	3,000	12,000	20.0	B	50
24EFG3KXLL	4651-2207	1 1/2	2.11	3,000	12,000	20.0	O	200
32EFG3K X 50INC	4651-2209	2	2.63	3,000	12,000	25.0	S	200
32EFG3KXCTN	4651-1452	2	2.63	3,000	12,000	25.0	B	50
32EFG3KXLL	4651-2210	2	2.63	3,000	12,000	25.0	O	200



Extremely High Pressure

EFG3K Spiral Wire Hose— MegaTuff® Cover



(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 and EN 856 R12 and performance requirements of EN 856 4SP. 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). Blue stripe with white print layline. 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):
GlobalSpiral™ Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
20EFG3K-MTFXCTN	4651-1425	1 1/4	2.11	3,000	12,000	8.3	0	100
20EFG3K-MTFXLL	4651-1427	1 1/4	2.11	3,000	12,000	8.3	0	200
24EFG3K-MTFXCTN	4651-2201	1 1/2	2.11	3,000	12,000	20.0	B	50
24EFG3K-MTFXLL	4651-2202	1 1/2	2.11	3,000	12,000	20.0	0	200
32EFG3K-MTFXCTN	4651-2205	1 1/2	2.63	3,000	12,000	25.0	B	50
32EFG3K-MTFXLL	4651-2206	1 1/2	2.63	3,000	12,000	25.0	0	200

High Pressure

Slim Hole Rotary Drill Hose

Gates Proprietary Hose.
Revolutionary design tailored to markets served.
Superior to SAE Specifications.

Recommended For: Mud drilling applications only. Not for air or gas drilling. Available in 121' and 200' continuous lengths.

Tube: Black, oil resistant, synthetic rubber (Neoprene).

Reinforcement: Four layers of alternated, spiraled, high-tensile steel wire over a layer of fabric.

Cover: Black, oil and abrasion resistant, synthetic rubber (Neoprene).

Temperature Range: -40°F to +180°F (-40°C to +82°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019):
Permanent GSP Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
32SHRXLL	4651-0778	2	2.63	3,000	10,000	25.0	H	200



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A17



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):

- Field Attachable 'Type T' Couplings
- Permanent GSP Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚ _R	Packaging	Standard Pack
24HOXCTN	4657-0063	1 1/2	2.15	2,300	6,900	20.0	A	120

† Hypalon® is a Registered Trademark of DuPont.

M-XP Million Impulse Xtra Performance Wire Braid Hose

High Pressure

(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). 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):

- MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚ _R	Packaging	Standard Pack
4M-XPXREEL	4657-4216	1/4	0.51	4,000	1,600	2.0	E	440
6M-XPXREEL	4657-4217	3/8	0.61	4,000	1,600	2.5	E	330
8M-XPXREEL	4657-4218	1/2	0.82	4,000	1,600	3.5	F	220
10M-XPXREEL	4657-4219	5/8	0.96	4,000	1,600	4.0	F	220
12M-XPXREEL	4657-4220	3/4	1.17	4,000	1,600	4.8	F	220



(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). 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):
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
4M6KXREEL	4657-2697	1/4	0.58	6,000	24,000	2.0	E	440

(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). 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):
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
4M5KXREEL	4657-1100	1/4	0.54	5,000	20,000	2.0	E	440
5M5KXREEL	4657-8006	5/16	0.61	5,000	20,000	2.2	E	350
6M5KXREEL	4657-2695	3/8	0.69	5,000	20,000	2.5	E	330
8M5KXREEL	4657-2650	1/2	0.86	5,000	20,000	3.5	F	220





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, 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):

MegaCrimp® Couplings



Description	Product No.						Packaging	Standard Pack
4M5KMTFXREEL	4657-8011	1/4	0.54	5,000	20,000	2.0	E	440
5M5KMTFXREEL	4657-8012	5/16	0.61	5,000	20,000	2.2	E	350
6M5KMTFXREEL	4657-8013	3/8	0.69	5,000	20,000	2.5	E	330
8M5KMTFXREEL	4657-8014	1/2	0.86	5,000	20,000	3.5	F	220

Global M5K Mega5000™ Hose—XtraTuff™ 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, 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):

MegaCrimp® Couplings



Description	Product No.						Packaging	Standard Pack
4M5KXTFXREEL	4657-8007	1/4	0.54	5,000	20,000	2.0	E	440
5M5KXTFXREEL	4657-8008	5/16	0.61	5,000	20,000	2.2	E	375
6M5KXTFXREEL	4657-8009	3/8	0.69	5,000	20,000	2.5	E	330
8M5KXTFXREEL	4657-8010	1/2	0.86	5,000	20,000	3.5	F	220



(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. The plus symbol indicates development testing at 150% of maximum working pressure up to 600,000 impulse cycles.

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). 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):

GlobalSpiral Couplings (available for 3/4")
MegaCrimp Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
4M4K+ XBALE	4657-5779	1/4	0.54	4,000	16,000	2.0	R	5600
4M4K+ XREEL	4657-1467	1/4	0.54	4,000	16,000	2.0	E	440
5M4K+ XREEL	4657-8015	5/16	0.61	4,000	16,000	2.3	E	350
6M4K+ XBALE	4657-5775	3/8	0.69	4,000	16,000	2.5	R	3800
6M4K+ XREEL	4657-1458	3/8	0.69	4,000	16,000	2.5	E	330
8M4K+ XBALE	4657-5776	1/2	0.86	4,000	16,000	3.5	R	2200
8M4K+ XREEL	4657-1459	1/2	0.86	4,000	16,000	3.5	F	220
10M4K+ XBALE	4657-5777	5/8	0.98	4,000	16,000	4.0	R	2000
10M4K+ XREEL	4657-1460	5/8	0.98	4,000	16,000	4.0	R	220
12M4K+ XBALE	4657-5778	3/4	1.14	4,000	16,000	4.8	R	1500
12M4K+ XREEL	4657-1461	3/4	1.14	4,000	16,000	4.8	F	220
16M4KXREEL	4657-4051	1	1.52	4,000	16,000	6.0	F	165

(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 applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing. The plus symbol indicates development testing at 150% of maximum working pressure up to 600,000 impulse cycles.

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). 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.

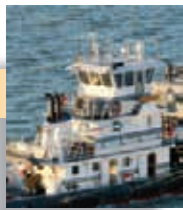
Coupling Recommendation (See Crimp Data Manual 35019):

GlobalSpiral Couplings (available for 3/4")
MegaCrimp Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
4M4K+-MTF XREEL	4657-1477	1/4	0.54	4,000	16,000	2.0	E	350
5M4K+-MTF XREEL	4657-8017	5/16	0.61	4,000	16,000	2.3	E	350
6M4K+-MTF XREEL	4657-1479	3/8	0.69	4,000	16,000	2.5	F	330
8M4K+-MTF XREEL	4657-1480	1/2	0.86	4,000	16,000	3.5	F	220
8M4K+-MTFXBALE	4657-5016	1/2	0.86	4,000	16,000	3.5	R	3200
10M4K+-MTF XREEL	4657-1481	5/8	0.98	4,000	16,000	4.0	F	220
12M4K+-MTF XREEL	4657-1482	3/4	1.14	4,000	16,000	4.8	F	190
16M4KPLUS-MTFXREEL	4657-4053	1	1.52	4,000	16,000	6.0	F	165





Global M4K+ Mega4000™ Hose— XtraTuff™ Cover

High Pressure

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

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. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing. The plus symbol indicates development testing at 150% of maximum working pressure up to 600,000 impulse cycles.

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). 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):

GlobalSpiral™ Couplings (available for 3/4")
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	R ₂	Packaging	Standard Pack
4M4K+-XTFXREEL	4657-2281	1/4	0.54	4,000	16,000	2.0	E	440
5M4K+-XTFXREEL	4657-8016	5/16	0.61	4,000	16,000	2.3	E	350
6M4K+-XTFXREEL	4657-2283	3/8	0.69	4,000	16,000	2.5	E	330
8M4K+-XTFXREEL	4657-2284	1/2	0.82	4,000	16,000	3.5	F	220
10M4K+-XTFXREEL	4657-2285	5/8	0.98	4,000	16,000	4.0	F	220
12M4K+-XTFXREEL	4657-2286	3/4	1.14	4,000	16,000	4.8	F	220
16M4KPLUS-XTFXREEL	4657-4052	1	1.52	4,000	16,000	6.0	F	165

M4KH Wire Braid Hose—High-Temp— SAE 100R19

High Pressure

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

Recommended For: High-pressure hydraulic applications. Exceeds SAE 100R19.

Tube: Black, oil resistant, synthetic rubber (Nitrile).

Reinforcement: Two braids of high-tensile steel wire.

Cover: Black, oil, abrasion and weather resistant, thin synthetic rubber (Neoprene - CR). 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):

GlobalSpiral™ Couplings (available for 3/4")
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	R ₂	Packaging	Standard Pack
4M4KHREEL	4657-2381	1/4	0.54	4,000	16,000	2.0	E	440
6M4KHREEL	4657-2383	3/8	0.69	4,000	16,000	2.5	E	330
8M4KHREEL	4657-2384	1/2	0.82	4,000	16,000	3.5	F	220
10M4KHREEL	4657-2385	5/8	0.98	4,000	16,000	4.0	F	220
12M4KHREEL	4657-2386	3/4	1.16	4,000	16,000	4.8	F	220



High Pressure

M4KH Wire Braid Hose—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 applications. Exceeds SAE 100R19.

Tube: Black, oil resistant, synthetic rubber (Nitrile).

Reinforcement: Two braids of high-tensile steel wire.

Cover: Black, oil, abrasion and weather resistant, thin synthetic rubber (Neoprene - CR). 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):

GlobalSpiral™ Couplings (available for 3/4”)

MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	R ₂	Packaging	Standard Pack
4M4KH-MTFXREEL	4657-2157	1/4	0.54	4,000	16,000	2.0	E	440
6M4KH-MTFXREEL	4657-2159	3/8	0.69	4,000	16,000	2.5	E	330
8M4KH-MTFXREEL	4657-2160	1/2	0.82	4,000	16,000	3.5	F	220
10M4KH-MTFXREEL	4657-2161	5/8	0.98	4,000	16,000	4.0	F	220
12M4KH-MTFXREEL	4657-2396	3/4	1.16	4,000	16,000	4.8	F	190

High Pressure

Global M3K Mega3000® Hose—SAE 100R17

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

Recommended For: High-pressure hydraulic oil lines. Exceeds SAE 100R17 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). 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):

GlobalSpiral™ Couplings (available 3/4” and 1”)

MegaCrimp® Couplings

Permanent Power Crimp® Couplings (-3 only)



Description	Product No.	⊖	⊕	⊙	⊙	R ₂	Packaging	Standard Pack
3M3KXREEL	4657-8068	3/16	0.42	3,000	12,000	1.8	E	440
4M3KXBALE	4657-5743	1/4	0.47	3,000	12,000	2.0	R	7000
4M3KXLG REEL	4657-1176	1/4	0.47	3,000	12,000	2.0	D	1400
4M3KXREEL	4657-1157	1/4	0.47	3,000	12,000	2.0	N	440
5M3KXREEL	4657-2216	5/16	0.59	3,000	12,000	2.2	N	385
6M3KXBALE	4657-5744	3/8	0.62	3,000	12,000	2.5	R	4500
6M3KXLG REEL	4657-1177	3/8	0.62	3,000	12,000	2.5	D	1000
6M3KXREEL	4657-1158	3/8	0.62	3,000	12,000	2.5	N	330
8M3KXBALE	4657-5745	1/2	0.78	3,000	12,000	3.5	R	2800
8M3KXLG REEL	4657-1178	1/2	0.78	3,000	12,000	3.5	D	1000
8M3KXREEL	4657-1159	1/2	0.78	3,000	12,000	3.5	N	220
10M3KXBALE	4657-5746	5/8	0.98	3,000	12,000	4.0	R	1800
10M3KXLG REEL	4657-0233	5/8	0.98	3,000	12,000	4.0	D	1000
10M3KXREEL	4657-1173	5/8	0.98	3,000	12,000	4.0	F	220
12M3KXBALE	4657-5747	3/4	1.14	3,000	12,000	4.8	R	1250
12M3KXREEL	4657-0679	3/4	1.14	3,000	12,000	4.8	F	220
16M3KXBALE	4657-5748	1	1.48	3,000	12,000	6.0	R	600
16M3KXREEL	4657-1163	1	1.48	3,000	12,000	6.0	F	165



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A23



Global M3K Mega3000® Hose—MegaTuff® Cover 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: High-pressure hydraulic oil lines. Exceeds SAE 100R17 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). 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):

GlobalSpiral™ Couplings (available 3/4” and 1”)
MegaCrimp® Couplings
Permanent Power Crimp® Couplings (-3 only)



Description	Product No.	⊘	⊘	⊘	⊘	⊘	Packaging	Standard Pack
4M3K-MTFXBALE	4657-5769	1/4	0.47	3,000	12,000	2.0	R	5600
4M3K-MTFXLG REEL	4657-1180	1/4	0.47	3,000	12,000	2.0	D	1400
4M3K-MTFXREEL	4657-1181	1/4	0.47	3,000	12,000	2.0	F	440
6M3K-MTF LRG RL	4657-1192	3/8	0.62	3,000	12,000	2.5	D	1000
6M3K-MTFXBALE	4657-5770	3/8	0.62	3,000	12,000	2.5	R	3800
6M3K-MTFXREEL	4657-1182	3/8	0.62	3,000	12,000	2.5	F	330
8M3K-MTFXBALE	4657-5771	1/2	0.78	3,000	12,000	3.5	R	3200
8M3K-MTFXLG REEL	4657-1193	1/2	0.78	3,000	12,000	3.5	D	1000
8M3K-MTFXREEL	4657-1183	1/2	0.78	3,000	12,000	3.5	F	330
10M3K-MTFXBALE	4657-5772	5/8	0.98	3,000	12,000	4.0	R	2500
10M3K-MTFXREEL	4657-1184	5/8	0.98	3,000	12,000	4.0	F	220
12M3K-MTFXREEL	4657-1185	3/4	1.14	3,000	12,000	4.8	F	220
16M3K-MTFXBALE	4657-5774	1	1.56	3,000	12,000	6.0	R	800
16M3K-MTFXREEL	4657-1186	1	1.56	3,000	12,000	6.0	F	165

Global M3K Mega3000® Hose—XtraTuff™ Cover High Pressure

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

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 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). 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):

GlobalSpiral™ Couplings (available 3/4” and 1”)
MegaCrimp® Couplings
Permanent Power Crimp® Couplings (-3 only)



Description	Product No.	⊘	⊘	⊘	⊘	⊘	Packaging	Standard Pack
3M3K-XTFXREEL	4657-8069	3/16	0.42	3,000	12,000	1.8	E	440
4M3K-XTFXBALE	4657-2434	1/4	0.47	3,000	12,000	2.0	R	5600
4M3K-XTFXREEL	4657-1097	1/4	0.47	3,000	12,000	2.0	F	440
5M3K-XTFXBALE	4657-2628	5/16	0.59	3,000	12,000	2.2	R	4400
5M3K-XTFXREEL	4657-2300	5/16	0.59	3,000	12,000	2.2	N	385
6M3K-XTFXBALE	4657-2627	3/8	0.62	3,000	12,000	2.5	R	3800
6M3K-XTFXREEL	4657-1098	3/8	0.62	3,000	12,000	2.5	N	330
8M3K-XTFXBALE	4657-1099	1/2	0.78	3,000	12,000	3.5	R	3200
8M3K-XTFXREEL	4657-2248	1/2	0.78	3,000	12,000	3.5	F	220
10M3K-XTFXREEL	4657-2249	5/8	0.98	3,000	12,000	4.0	F	220
12M3K-XTFXREEL	4657-2250	3/4	1.14	3,000	12,000	4.8	F	220
16M3K-XTFXREEL	4657-2307	1	1.56	3,000	12,000	6.0	F	165



High Pressure

M3KH Wire Braid Hose—High-Temp—SAE 100R17



Recommended For: High-pressure hydraulic oil lines. Meets SAE 100R17 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 (Modified Nitrile - Type C2). 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):

GlobalSpiral™ Couplings (available for 3/4")

MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
4M3KHXREEL	4657-2664	1/4	0.47	3,000	12,000	2.0	N	440
5M3KHXREEL	4657-4055	5/16	0.59	3,000	12,000	2.2	N	330
6M3KHXREEL	4657-2696	3/8	0.62	3,000	12,000	2.5	N	330
8M3KHXREEL	4657-1360	1/2	0.78	3,000	12,000	3.5	N	220
10M3KHXREEL	4657-1361	5/8	0.98	3,000	12,000	4.0	F	220
12M3KHXREEL	4657-1362	3/4	1.14	3,000	12,000	4.8	F	220
16M3KHXREEL	4657-1363	1	1.56	3,000	12,000	6.0	F	165

High Pressure

M3KH Wire Braid Hose—High-Temp—MegaTuff® Cover

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 SAE 100R17 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 (Modified Nitrile - Type C2). 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):

GlobalSpiral™ Couplings (available for 3/4")

MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
4M3KH-MTFXREEL	4657-2321	1/4	0.47	3,000	12,000	2.0	R	440
6M3KH-MTFXREEL	4657-2323	3/8	0.62	3,000	12,000	2.5	R	330
8M3KH-MTFXREEL	4657-2324	1/2	0.78	3,000	12,000	3.5	F	330
10M3KH-MTFXREEL	4657-2325	5/8	0.98	3,000	12,000	4.0	F	220
12M3KH-MTFXREEL	4657-2326	3/4	1.14	3,000	12,000	4.8	F	220
16M3KH-MTFXREEL	4657-2327	1	1.56	3,000	12,000	6.0	F	165



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

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

Recommended For: High-pressure hydraulic oil lines. Exceeds SAE 100R16. 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). Dual green stripe layline. Available with unique abrasion-resistant 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):

MegaCrimp® Couplings
Permanent Stainless Steel Power Crimp® Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚	Packaging	Standard Pack
4M2TXBALE	4657-5728	1/4	0.54	5,000	20,000	2.0	R	5600
4M2TXREEL	4657-1552	1/4	0.54	5,000	20,000	2.0	E	550
6M2TXBALE	4657-5729	3/8	0.69	4,000	16,000	2.5	R	3000
6M2TXLRG REEL	4657-1492	3/8	0.69	4,000	16,000	2.5	D	1700
6M2TXREEL	4657-1555	3/8	0.69	4,000	16,000	2.5	E	385
8M2TXBALE	4657-5730	1/2	0.81	3,500	14,000	3.5	R	2500
8M2TXLRG REEL	4657-1493	1/2	0.81	3,500	14,000	3.5	D	1250
8M2TXREEL	4657-1559	1/2	0.81	3,500	14,000	3.5	F	330
10M2TXBALE	4657-5577	5/8	0.95	3,000	12,000	4.0	R	1750
10M2TXREEL	4657-1563	5/8	0.95	3,000	12,000	4.0	F	220
12M2TXBALE	4657-5732	3/4	1.10	2,250	9,000	4.8	R	1500
12M2TXREEL	4657-1567	3/4	1.10	2,250	9,000	4.8	F	220
16M2TXREEL	4657-1571	1	1.38	2,000	8,000	6.0	F	165

M2T® MegaFlex® 2-Wire Braid Hose— MegaTuff® Cover

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: High-pressure hydraulic oil lines. Exceeds SAE 100R16. 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). Dual green stripe layline. Available with unique abrasion-resistant 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):

MegaCrimp® Couplings
Permanent Stainless Steel Power Crimp® Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚	Packaging	Standard Pack
4M2T-MTFXBALE	4657-5764	1/4	0.54	5,000	20,000	2.0	R	5600
4M2T-MTFXREEL	4657-0222	1/4	0.54	5,000	20,000	2.0	E	350
6M2T-MTFXBALE	4657-5765	3/8	0.69	4,000	16,000	2.5	R	2400
6M2T-MTFXREEL	4657-0223	3/8	0.69	4,000	16,000	2.5	E	330
8M2T-MTFXBALE	4657-5766	1/2	0.81	3,500	14,000	3.5	R	2200
8M2T-MTFXREEL	4657-0224	1/2	0.81	3,500	14,000	3.5	F	330
10M2T-MTFXREEL	4657-0225	5/8	0.95	3,000	12,000	4.0	F	220
12M2T-MTFXREEL	4657-0226	3/4	1.10	2,250	9,000	4.8	F	220
16M2T-MTFXREEL	4657-0227	1	1.38	2,000	8,000	6.0	F	165



High Pressure

M2T Plus MegaFlex 2-Wire Braid Hose Exceeds SAE 100R16



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

Recommended For: High-pressure hydraulic oil lines. Exceeds SAE 100R16. 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). Dual green stripe layline. Available with unique abrasion-resistant 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):
MegaCrimp Couplings



Description	Product No.	⊖	⊕	⊙	⊙	R ₂	Packaging	Standard Pack
4M2TPLUSXREEL	4657-4136	1/4	0.54	5,800	23,200	2.0	E	550
6M2TPLUSXREEL	4657-4301	3/8	0.69	4,800	19,200	2.5	E	385
8M2TPLUSXREEL	4657-4303	1/2	0.82	4,000	16,000	3.5	F	330
10M2TPLUSXREEL	4657-4306	5/8	0.95	3,625	14,500	4.0	F	220
12M2TPLUSXREEL	4657-4309	3/4	1.10	3,100	12,400	4.8	F	220
16M2TPLUSXREEL	4657-4312	1	1.38	2,400	9,500	6.0	F	165

High Pressure

M2T Plus MegaFlex 2-Wire Braid Hose MegaTuff

(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. Exceeds SAE 100R16. 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). Dual green stripe layline. Available with unique abrasion-resistant 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):
MegaCrimp Couplings



Description	Product No.	⊖	⊕	⊙	⊙	R ₂	Packaging	Standard Pack
4M2TPLUS-MTFXREEL	4657-4137	1/4	0.54	5,800	23,200	2.0	E	350
6M2TPLUS-MTFXREEL	4657-4314	3/8	0.69	4,800	19,200	2.5	E	330
8M2TPLUS-MTFXREEL	4657-4305	1/2	0.82	4,000	16,000	3.5	F	330
10M2TPLUS-MTFXREEL	4657-4308	5/8	0.95	3,625	14,500	4.0	F	220
12M2TPLUS-MTFXREEL	4657-4311	3/4	1.10	3,100	12,400	4.8	F	220
16M2TPLUS-MTFXREEL	4657-4315	1	1.38	2,400	9,500	6.0	F	165



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

High Pressure

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

Recommended For: High-pressure hydraulic oil lines. Exceeds SAE 100R16 and meets or exceeds EN 853 2SN. 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). Dual green stripe layline. Available with unique abrasion-resistant 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):
MegaCrimp® Couplings



Description	Product No.	⌀	⌀	⌀	⌀	R ₉₀	Packaging	Standard Pack
4M2TPLUS-XTFXREEL	4657-4138	1/4	0.54	5,800	23,200	2.0	E	350
6M2TPLUS-XTFXREEL	4657-4302	3/8	0.69	4,800	19,200	2.5	E	330
8M2TPLUS-XTFXREEL	4657-4304	1/2	0.82	4,000	16,000	3.5	F	330
10M2TPLUS-XTFXREEL	4657-4307	5/8	0.95	3,625	14,500	4.0	F	220
12M2TPLUS-XTFXREEL	4657-4310	3/4	1.10	3,100	12,400	4.8	F	220
16M2TPLUS-XTFXREEL	4657-4313	1	1.38	2,400	9,500	6.0	F	165

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). 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):
MegaCrimp® Couplings



Description	Product No.	⌀	⌀	⌀	⌀	R ₉₀	Packaging	Standard Pack
6CM2T TWIN LINEXCTN	4657-99002	3/8	0.70	4,800	19,200	3.5	U	215
8CM2T TWIN LINEXCTN	4657-99665	1/2	0.82	4,000	16,000	5.0	U	180



High Pressure

Global G2 2-Wire Braid 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 100R2AT and SAE 100R2 Type S and performance requirements of 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 (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):

- Field Attachable “Type T” Couplings
- MegaCrimp® Couplings (except -24 and -32)
- Permanent GSP Couplings (-24 and -32)



Description	Product No.	⌀	Ø	⌚	⌚	⌚	Packaging	Standard Pack
3G2XREEL	4657-2182	3/16	0.52	6,000	24,000	3.5	E	440
4G2XBALE	4657-5708	1/4	0.58	5,800	23,200	4.0	R	5600
4G2XREEL	4657-0125	1/4	0.58	5,800	23,200	4.0	E	550
6G2 XREEL	4657-0126	3/8	0.73	4,800	19,200	5.0	E	400
6G2XBALE	4657-5709	3/8	0.73	4,800	19,200	5.0	R	3000
8G2 XREEL	4657-0127	1/2	0.86	4,000	16,000	7.0	F	330
8G2XBALE	4657-5710	1/2	0.86	4,000	16,000	7.0	R	2250
10G2XBALE	4657-5711	5/8	0.98	3,625	14,500	8.0	R	1800
10G2XREEL	4657-0132	5/8	0.98	3,625	14,500	8.0	F	220
12G2XBALE	4657-5712	3/4	1.14	3,100	12,400	9.5	R	1250
12G2XREEL	4657-0128	3/4	1.14	3,100	12,400	9.5	F	220
16G2XBALE	4657-1094	1	1.48	2,400	9,600	12.0	R	1000
16G2XREEL	4657-0129	1	1.48	2,400	9,600	12.0	F	165
20G2XCTN	4657-0644	1 1/4	1.87	1,825	7,300	16.5	A	120
24G2XCTN	4657-2491	1 1/2	2.15	1,300	5,000	20.0	A	120
32G2XCTN	4657-2492	2	2.65	1,175	4,500	25.0	A	120

High Pressure

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

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

Recommended For: High-pressure hydraulic applications where pressure or temperature requirements exceed SAE 100R2AT Type S 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 ester 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):
MegaCrimp® Couplings



Description	Product No.	⌀	Ø	⌚	⌚	⌚	Packaging	Standard Pack
4G2HXREEL	4657-2541	1/4	0.58	6,000	24,000	4.0	E	550
6G2HXREEL	4657-2542	3/8	0.73	5,000	20,000	5.0	E	400
8G2HXREEL	4657-2543	1/2	0.86	4,250	17,000	7.0	F	330
10G2HXREEL	4657-2544	5/8	0.98	3,625	14,500	8.0	F	220
12G2HXREEL	4657-2545	3/4	1.14	3,100	12,400	9.5	F	220
16G2HXREEL	4657-2546	1	1.87	2,500	10,000	12.0	F	165
20G2HXCTN	4657-4005	1 1/4	1.87	2,250	9,000	16.5	A	120

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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 100R2AT and performance requirements of EN 853.

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). 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):

- Field Attachable 'Type T' Couplings
- MegaCrimp® Couplings (-20)
- Permanent GSP Couplings (-24 and -32)



Description	Product No.	⌀	OD	⌚	⌚	⌚ _R	Packaging	Standard Pack
20G2HXCTN	4657-0930	1 1/4	1.87	1,625	6,600	16.5	A	120
24G2HXCTN	4657-0931	1 1/2	2.15	1,300	5,000	20.0	A	120
32G2HXCTN	4657-0932	2	2.65	1,175	4,500	25.0	A	120

† Hypalon® is a Registered Trademark of DuPont.

Global G2H High-Temp—MegaTuff® Cover

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: High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2AT and performance requirements of EN 853.

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). 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):

- Field Attachable 'Type T' Couplings
- MegaCrimp® Couplings (-20)
- Permanent GSP Couplings (-24 and -32)



Description	Product No.	⌀	OD	⌚	⌚	⌚ _R	Packaging	Standard Pack
20G2H-MTFXCTN	4657-2573	1 1/4	1.87	1,625	6,600	16.5	A	100
24G2H-MTFXCTN	4657-2151	1 1/2	2.15	1,300	5,000	20.0	A	100
32G2H-MTFXCTN	4657-2152	2	2.65	1,175	4,500	25.0	A	100

† Hypalon® is a Registered Trademark of DuPont.



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 100R2AT and SAE 100R2 Type S and performance requirements of 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):

- Field Attachable “Type T” Couplings
- MegaCrimp® Couplings (except -24 and -32)
- Permanent GSP Couplings (-24 and -32)



Description	Product No.						Packaging	Standard Pack
4G2LXREEL	4657-2202	1/4	0.58	5,800	23,200	4.0	E	440
6G2LXREEL	4657-2203	3/8	0.73	4,800	19,200	5.0	E	385
8G2LXREEL	4657-2204	1/2	0.86	4,000	16,000	7.0	F	330
10G2LXREEL	4657-2205	5/8	0.98	3,625	14,500	8.0	F	220
12G2LXREEL	4657-2206	3/4	1.14	3,100	12,400	9.5	F	220
16G2LXREEL	4657-2207	1	1.48	2,400	9,600	12.0	F	165
20G2LXCTN	4657-2208	1 1/4	1.87	1,825	7,300	16.5	F	120
24G2LXCTN	4657-2315	1 1/2	2.20	1,300	5,200	20.0	A	120
32G2LXCTN	4657-2316	2	2.65	1,175	4,700	25.0	A	120

High Pressure

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

(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). 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):

- Use MegaCrimp® Male Pipe Long Nose Couplings on jack end of assembly for engagement.



Description	Product No.						Packaging	Standard Pack
4J2ATXREEL	4657-1400	1/4	0.58	10,000	20,000	4.0	F	350
6J2ATXREEL	4657-1404	3/8	0.74	10,000	20,000	5.0	F	330



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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 (Modified Nitrile - Type C2). 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):

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



Description	Product No.	⌀	Ø	⌚	⌚	⌚	Packaging	Standard Pack
4J2AT-MTFXREEL	4657-1188	1/4	0.58	10,000	20,000	4.0	F	350
6J2AT-MTFXREEL	4657-1189	3/8	0.74	10,000	20,000	5.0	F	330

G1 1-Wire Braid Hose—SAE 100R1 Type AT

Medium Pressure

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

Recommended For: Medium pressure hydraulic lines. Meets or exceeds the requirements of SAE 100R1 Type AT and SAE 100R1 Type S and performance requirements of 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):

Field Attachable 'Type T' Couplings
MegaCrimp® Couplings (except -3, -24 and -32)
Permanent GSP Couplings (-3 only)



Description	Product No.	⌀	Ø	⌚	⌚	⌚	Packaging	Standard Pack
3G1XBALE	4657-5700	3/16	0.47	3,625	14,500	3.0	R	7600
3G1XREEL	4657-0599	3/16	0.47	3,625	14,500	3.0	E	440
4G1XBALE	4657-5717	1/4	0.53	3,275	13,100	4.0	R	5600
4G1XREEL	4657-0120	1/4	0.53	3,275	13,100	4.0	E	440
5G1XREEL	4657-0116	5/16	0.59	3,125	12,500	4.5	E	350
6G1XBALE	4657-5703	3/8	0.69	2,600	10,400	5.0	R	3800
6G1XREEL	4657-0121	3/8	0.69	2,600	10,400	5.0	E	385
8G1XBALE	4657-5704	1/2	0.82	2,325	9,300	7.0	R	2800
8G1XLG REEL	4657-2645	1/2	0.82	2,325	9,300	7.0	D	500
8G1XREEL	4657-0122	1/2	0.82	2,325	9,300	7.0	F	330
10G1XBALE	4657-5705	5/8	0.94	1,900	7,600	8.0	R	2500
10G1XREEL	4657-0115	5/8	0.94	1,900	7,600	8.0	F	220
12G1XBALE	4657-5706	3/4	1.10	1,525	6,100	9.0	R	1500
12G1XREEL	4657-0123	3/4	1.10	1,525	6,100	9.0	F	220
16G1XBALE	4657-5707	1	1.41	1,275	5,100	12.0	R	700
16G1XREEL	4657-0124	1	1.41	1,275	5,100	12.0	F	165
20G1XBALE	4657-5702	1 1/4	1.71	925	3,700	16.0	R	600
20G1XCTN	4657-0646	1 1/4	1.71	925	3,700	16.0	A	120
24G1XCTN	4657-2489	1 1/2	1.96	725	2,900	20.0	A	120
32G1XCTN	4657-2490	2	2.52	600	2,700	25.0	A	120



Medium Pressure

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



(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):

MegaCrimp® Couplings (except -24 and -32)

Permanent GSP Couplings (-24 and -32)



Description	Product No.	⌀	Ø	⌚	⌚	⌚	Packaging	Standard Pack
4G1HXREEL	4657-2175	1/4	0.53	2,750	11,000	4.0	E	440
6G1HXREEL	4657-2176	3/8	0.69	2,250	9,000	5.0	E	385
8G1HXREEL	4657-2177	1/2	0.82	2,000	8,000	7.0	F	330
10G1HXREEL	4657-2178	5/8	0.94	1,500	6,000	8.0	F	220
12G1HXBALE	4657-2536	3/4	1.10	1,250	5,000	9.5	R	1500
12G1HXREEL	4657-2179	3/4	1.10	1,250	5,000	9.5	F	220
16G1HXREEL	4657-2180	1	1.41	1,000	4,000	12.0	F	165
20G1HXCTN	4657-0940	1 1/4	1.72	925	2,500	16.0	A	120
24G1HXCTN	4657-0934	1 1/2	1.96	725	2,900	20.0	A	120
32G1HXCTN	4657-0935	2	2.52	600	2,400	25.0	A	120

† Hypalon® is a Registered Trademark of DuPont.

Medium Pressure

RFS Red Fire Suppressant Hose

(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 100R Type S.

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):

MegaCrimp® Couplings

Permanent Power Crimp® Couplings (-3 only)



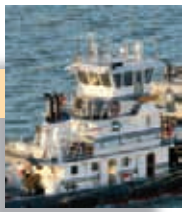
Description	Product No.	⌀	Ø	⌚	⌚	⌚	Packaging	Standard Pack
3RFSXREEL	4657-2145	3/8	0.45	3,000	12,000	3.0	E	440
4RFSXREEL	4657-3314	1/4	0.53	2,750	11,000	4.0	E	440
6RFSXREEL	4657-3313	3/8	0.68	2,250	9,000	5.0	E	300
8RFSXREEL	4657-3315	1/2	0.80	2,000	8,000	7.0	F	330
12RFSXREEL	4657-3316	3/4	1.09	1,250	5,000	9.5	F	300
16RFSXREEL	4657-2155	1	1.41	1,000	4,000	12.0	F	165



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MegaTech® II—SAE 100R2 Type AT— ACP Carton Pack

High Pressure

Recommended For: Multi-purpose high-pressure, high-temperature, air compressor lines, petroleum-base or phosphate ester hydraulic fluid supply lines. Meets or exceeds the requirements of SAE 100R2AT 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):

MegaCrimp® Couplings (-20 only)
Permanent GSP Couplings (-24 and -32)



Description	Product No.						Packaging	Standard Pack
20ACP MEGATECHIIIXCTN	4657-8018	1 1/4	1.89	2,250	6,800	15.0	A	100
24ACP MEGATECHIIIXCTN	4657-2484	1 1/2	2.13	1,500	6,000	20.0	A	100
32ACP MEGATECHIIIXCTN	4657-2485	2	2.61	1,300	5,200	25.0	A	100

MegaTech® 3000 High-Temp Oil/Air Return

Recommended For: For pressurized hot oil return lines and rotary oil lines. Meets the requirements of SAE J1019 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):
MegaCrimp® Couplings



Description	Product No.							Packaging	Standard Pack
4MEGATECH 3000XREEL	4657-2373	1/4	0.59	3,000	12,000	2.0	30	F	400
6MEGATECH 3000XREEL	4657-2374	3/8	0.74	3,000	12,000	2.5	30	F	350
8MEGATECH 3000XREEL	4657-2319	1/2	0.86	3,000	12,000	3.5	30	F	350



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, SAE J1019 and Air Brake Hose (-4, 6, 8, 10) 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):

- GL Couplings (-12, -16 and -20)
- MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚	⊙	Packaging	Standard Pack
4MEGATECH 1000XREEL	4657-2332	1/4	0.52	1,000	4,000	2.0	30	F	350
6MEGATECH 1000XREEL	4657-2297	3/8	0.66	1,000	4,000	2.5	30	F	350
8MEGATECH 1000XREEL	4657-2334	1/2	0.80	1,000	4,000	3.5	30	F	350
10MEGATECH 1000XREEL	4657-2335	5/8	0.93	1,000	4,000	4.0	30	F	300
12MEGATECH 1000XREEL	4657-2336	3/4	1.15	1,000	4,000	4.8	30	F	200
16MEGATECH 1000XREEL	4657-2337	1	1.37	1,000	4,000	6.0	30	F	150
20MEGATECH1000XCTN	4657-2338	1 1/4	1.64	1,000	4,000	8.5	30	A	100

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.

Recommended For: For air brake hose, pressurized hot oil return lines and rotary oil/air compressor lines. Meets the requirements of DOT SAE J1019 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):

- GL Couplings
- Power Crimp® GSP (-24 and -32)



Description	Product No.	⊖	⊕	⌚	⌚	⌚	⊙	Packaging	Standard Pack
24MEGATECH500XCTN	4657-0204	1 1/2	1.95	500	2,000	15.0	30	A	100
32MEGATECH500XCTN	4657-0205	2	2.48	500	2,000	18.0	30	A	100
40MEGATECH500XCTN	4657-0206	2 1/2	2.97	500	2,000	22.0	30	A	100
48MEGATECH500XCTN	4657-0207	3	3.50	500	2,000	24.0	30	A	100

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® 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 J1019 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):

GLP Couplings (-4 through -12)
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	⊜	Packaging	Standard Pack
4MEGATECH 250XREEL	4657-2339	1/4	0.52	250	1,000	1.0	30	F	250
6MEGATECH 250XREEL	4657-2340	3/8	0.64	250	1,000	1.8	30	F	350
8MEGATECH 250XREEL	4657-2341	1/2	0.78	250	1,000	2.5	30	F	350
10MEGATECH 250XREEL	4657-2342	5/8	0.93	250	1,000	3.0	30	F	300
12MEGATECH 250XREEL	4657-2343	3/4	1.06	250	1,000	3.5	30	F	200
16MEGATECH 250XREEL	4657-2344	1	1.36	250	1,000	4.0	30	F	150
20MEGATECH 250XCTN	4657-2345	1 1/4	1.65	250	1,000	4.5	30	A	120

MegaTech® G5TB Extreme Heat Oil/Air Return and Air Brake Hose

Recommended For: For pressurized hot oil return lines and rotary oil lines. Meets the requirements of SAE J1019 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):

GL Couplings (-24 and -32 only)
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	⊜	Packaging	Standard Pack
4MEGATECH G5TBXREEL	4657-2183	1/4	0.59	3,000	12,000	2.0	F	F	400
6MEGATECH G5TBXREEL	4657-2184	3/8	0.74	3,000	12,000	2.5	F	F	350
8MEGATECH G5TBXREEL	4657-2185	1/2	0.86	3,000	12,000	3.5	F	F	350
10MEGATECH G5TBXREEL	4657-2186	5/8	0.95	2,000	8,000	4.0	F	F	300
12MEGATECH G5TBXREEL	4657-2187	3/4	1.10	2,000	8,000	4.8	F	F	200
16MEGATECH G5TBXREEL	4657-2188	1	1.37	1,000	4,000	6.0	F	F	150
20MEGATECH G5TBXCTN	4657-2189	1 1/4	1.67	1,000	4,000	8.5	A	A	100
24MEGATECH G5TBXCTN	4657-2190	1 1/2	1.95	500	2,000	9.5	A	A	100
32MEGATECH G5TBXCTN	4657-2191	2	2.53	500	2,000	10.5	A	A	100





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

Recommended For: Pilot lines, 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.

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

Coupling Recommendation (See Crimp Data Manual 35019):

GLP Couplings

MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
4M500XREEL	4657-8027	1/4	0.48	500	2,000	2.0	N	440
6M500XREEL	4657-8028	3/8	0.63	500	2,000	2.5	N	330
8M500XREEL	4657-8029	1/2	0.76	500	2,000	3.5	N	220
10M500XREEL	4657-8030	5/8	0.93	500	2,000	4.0	F	220
12M500XREEL	4657-8031	3/4	1.09	500	2,000	4.8	F	220
16M500XREEL	4657-8032	1	1.40	500	2,000	6.0	F	165

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

Recommended For: Pilot lines, 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.

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

Coupling Recommendation (See Crimp Data Manual 35019):

GLP Couplings

MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
4M500MTFXREEL	4657-8039	1/4	0.48	500	2,000	2.0	N	440
6M500MTFXREEL	4657-8040	3/8	0.63	500	2,000	2.5	N	330
8M500MTFXREEL	4657-8041	1/2	0.76	500	2,000	3.5	N	220





M500 XtraTuff™ Wire Braid Hose

Low Pressure

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

Recommended For: Pilot lines, 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.

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

Coupling Recommendation (See Crimp Data Manual 35019):

GLP Couplings
MegaCrimp® Couplings



Description	Product No.						Packaging	Standard Pack
4M500XTFXREEL	4657-8033	1/4	0.48	500	2,000	2.0	N	440
6M500XTFXREEL	4657-8034	3/8	0.63	500	2,000	2.5	N	330
8M500XTFXREEL	4657-8035	1/2	0.76	500	2,000	3.5	N	220
10M500XTFXREEL	4657-8036	5/8	0.93	500	2,000	4.0	F	220
12M500XTFXREEL	4657-8037	3/4	1.09	500	2,000	4.8	F	220
16M500XTFXREEL	4657-8038	1	1.40	500	2,000	6.0	F	165

TR500 High-Temp/Air Brake/Engine Hose

Recommended For: Air brake hose, 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 (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):

GLP Couplings
MegaCrimp® Couplings



Description	Product No.						Packaging	Standard Pack
4TR500XREEL	4657-2228	1/4	0.51	500	2,000	1.0	G	250
6TR500XREEL	4657-2520	3/8	0.66	500	2,000	1.8	G	350
8TR500XREEL	4657-2521	1/2	0.80	500	2,000	2.3	G	350
10TR500XREEL	4657-2229	5/8	0.93	500	2,000	2.8	G	300
12TR500XREEL	4657-2230	3/4	1.04	500	2,000	3.5	G	200
16TR500XREEL	4657-2231	1	1.30	500	2,000	4.5	G	150

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.



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):
Permanent Power Crimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	⊙	Packaging	Standard Pack
4G3HXCTN	3319-0088	1/4	0.56	1,250	5,000	3.0	28	D	455
5G3HXCTN	3319-4287	5/16	0.66	1,200	4,750	3.5	28	D	330
6G3HXCTN	3319-0087	3/8	0.75	1,125	4,500	4.0	28	D	350
8G3HXCTN	3319-0090	1/2	0.94	1,000	4,000	5.0	28	D	225
10G3HXCTN	3319-4288	5/8	1.10	900	3,500	5.5	28	D	200
12G3HXCTN	3319-0091	3/4	1.25	750	3,000	6.0	28	D	160
16G3HXCTN	3319-0092	1	1.50	565	2,250	8.0	20	M	120
20G3HXCTN	3319-0071	1 1/4	1.75	375	1,500	10.0	15	D	120
24G3HXCTN	3319-4289	1 1/2	1.94	300	1,200	12.0	10	D	120

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

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):
GLP Couplings (except -3 and -5)
MegaCrimp® Couplings (except -3)
Permanent Power Crimp® Couplings (-3 only)



Description	Product No.	⊖	⊕	⊙	⊙	⊙	⊙	Packaging	Standard Pack
3GTHXCTN	3319-3301	3/16	0.44	500	2,000	2.0	28	D	715
4GTHXCTN	3319-3305	1/4	0.50	400	1,600	2.5	28	D	775
5GTHXCTN	3319-3310	5/16	0.56	400	1,600	3.0	28	D	650
8GTHXCTN	3319-3320	1/2	0.78	400	1,600	4.0	18	D	400
10GTHXCTN	3319-3325	5/8	0.91	350	1,400	5.0	15	D	250
12GTHXCTN	3319-3335	3/4	1.06	300	1,200	5.5	15	D	225
16GTHXCTN	3319-3345	1	1.13	250	1,000	8.0	10	K	165





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):

- GLP Couplings
- MegaCrimp® Couplings



Description	Product No.						Packaging	Standard Pack
6GTHX XREEL	3289-0002	3/8	0.63	400	1,600	3.0	F	300

GMV Global MegaVac® Return Line and Suction Hose Low Pressure

(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 SAE100R4. 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):

- GL Couplings
- MegaCrimp® Couplings (-12 through -20)



Description	Product No.							Packaging	Standard Pack
12GMVXCTN	4504-0123	3/4	1.22	350	1,400	2.5	25	A	100
16GMVXCTN	4504-0003	1	1.45	300	1,200	3.0	25	A	100
20GMVXCTN	4504-0004	1 1/4	1.76	250	1,000	4.0	25	A	100
24GMVX100FT	3105-0004	1 1/2	2.01	162	650	5.0	25	T	100
32GMVX100FT	3105-0006	2	2.51	112	450	6.0	25	T	100
36GMVXCTN*	3105-0008	2 1/4	2.76	88	350	7.0	25	I	100
40GMVX100FT	3105-0010	2 1/2	3.02	68	275	7.0	25	T	100
48GMVX100FT	3105-0014	3	3.51	62	250	9.0	25	T	100
56GMVX100FT	3105-0015	3 1/2	4.01	56	225	10.0	25	T	100
64GMVX100FT	3105-0018	4	4.51	56	225	12.0	25	T	100

* Stem and clamp only, no Gates couplings available.





(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 SAE100R4 (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):

- GL Couplings
- MegaCrimp® Couplings
- Use clamp over beaded nipple.



Description	Product No.							Packaging	Standard Pack
12G4HXCTN	3105-0022	3/4	1.17	300	1,200	2.5	25	D	100
16G4HXCTN	3105-0001	1	1.43	212	850	3.0	25	D	100
20G4HXCTN	3105-0036	1 1/4	1.68	200	800	4.0	25	A	100

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):

- GLP Couplings (except -3, -5 and -16)
- MegaCrimp® Couplings (except -3)
- Permanent Power Crimp® Couplings (-3 only)



Description	Product No.							Packaging	Standard Pack
3RLAXREEL	3284-0110	3/16	0.41	250	1,000	3.0	28	D	550
4RLAXREEL	3284-0120	1/4	0.50	250	1,000	3.0	28	D	550
5RLAXREEL	3284-0130	5/16	0.56	250	1,000	4.0	28	A	550
6RLAXREEL	3284-0140	3/8	0.66	250	1,000	4.0	28	A	550
8RLAXREEL	3284-0150	1/2	0.81	200	800	5.0	20	A	550
10RLAXREEL	3284-0160	5/8	0.94	200	800	6.0	15	A	550
12RLAXREEL	3284-0170	3/4	1.09	200	800	6.0	10	A	650
16RLAXREEL	3284-0180	1	1.34	160	640	8.0	10	A	400





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



Description	Product No.							Packaging	Standard Pack
16RLCXCTN	3319-0261	1	1.62	200	800	9.0	25	A	50
20RLCXCTN	3319-0263	1 1/4	1.88	200	800	10.0	25	A	50
24RLCXCTN	3319-0264	1 1/2	2.12	200	800	11.0	25	A	100
28RLCXCTN	3319-0265	1 3/4	2.38	200	800	12.0	25	A	50
32RLCXCTN	3319-0266	2	2.56	200	800	13.0	25	A	50
36RLCXCTN	3319-0267	2 1/4	2.87	150	600	14.0	25	A	50
40RLCXCTN	3319-0268	2 1/2	3.12	150	600	16.0	25	A	50
48RLCXCTN	3319-0270	3	3.62	150	600	20.0	25	A	50
56RLCXCTN	3319-0272	3 1/2	4.12	150	600	24.0	25	A	50
72RLCX10FT	3319-0273	4 1/2	5.19	100	400	54.0	25	—	10

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

Low Pressure

Recommended For: High-temperature (300°F) transmission oil cooler lines, pressurized hot oil return lines and turbocharger oil supply lines. Meets or exceeds SAE J1019 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):

- Field Attachable LOC Couplings
- GLP Couplings (-4 to -12)
- MegaCrimp® Couplings (-16)



Description	Product No.							Packaging	Standard Pack
4MEGATECHLOCXREEL	4319-0106	1/4	0.50	300	1,200	3.0	D	D	575
6MEGATECHLOCXREEL	4319-0107	3/8	0.64	300	1,200	3.0	D	D	600
8MEGATECHLOCXREEL	4319-0108	1/2	0.78	300	1,200	5.0	D	D	335
10MEGATECHLOCXREEL	4319-0109	1/2	0.91	300	1,200	6.0	D	D	260
12MEGATECHLOCXREEL	4319-0110	3/4	1.08	300	1,200	7.0	D	D	220
16MEGATECHLOCXREEL	4319-0111	1	1.33	300	1,200	7.0	D	D	200





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):

- Field Attachable LOC Couplings
- GLP Couplings



Description	Product No.									Packaging	Standard Pack
4LOCXREEL	4319-0112	1/4	0.52	300	1,000	3.0				F	300
6LOCXREEL	4319-0113	3/8	0.64	300	1,000	3.0				F	300
8LOCXREEL	4319-0114	1/2	0.80	300	1,000	5.0				F	300
10LOCXREEL	4319-0115	5/8	0.90	300	1,000	6.0				F	250
12LOCXREEL	4319-0116	3/4	1.00	300	1,000	7.0				F	225

(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). 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):

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



Description	Product No.										Packaging	Standard Pack
3LOLAXREEL*	3284-2500	3/16	0.41	300	1,200	3.0				28	F	300
4LOLAXREEL	3284-2501	1/4	0.47	300	1,200	3.0				28	F	475
5LOLAXREEL	3284-2502	5/16	0.55	300	1,200	3.0				28	F	300
6LOLAXREEL	3284-2503	3/8	0.63	300	1,200	3.0				28	F	300
8LOLAXREEL	3284-2504	1/2	0.77	300	1,200	5.0				28	F	300
10LOLAXREEL	3284-2505	5/8	0.94	300	1,200	6.0				28	F	250
12LOLAXREEL	3284-2506	3/4	1.06	300	1,200	7.0				15	F	225

NOTE: LOL Lock-On Hose is packaged in UPS shippable reels.

The use of clamps with LOC Couplings is not recommended.

** Couplings for this size are available on special order only.*





LOL Plus Lock-On Hose—Blue

Low Pressure

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). 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):

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



Description	Product No.							Packaging	Standard Pack
3LOLBXREEL*	3284-2510	3/16	0.41	300	1,200	3.0	28	F	300
4LOLBXREEL	3284-2511	1/4	0.47	300	1,200	3.0	28	F	475
6LOLBXREEL	3284-2513	3/8	0.63	300	1,200	3.0	28	F	300
8LOLBXREEL	3284-2515	1/2	0.77	300	1,200	5.0	28	F	300
10LOLBXREEL	3284-2517	5/8	0.94	300	1,200	6.0	28	F	250
12LOLBXREEL	3284-2519	3/4	1.06	300	1,200	7.0	15	F	225

NOTE: LOL Lock-On Hose is packaged in UPS shippable reels.
The use of clamps with LOC Couplings is not recommended.
* Couplings for this size are available on special order only.

LOL Plus Lock-On Hose—Green

Low Pressure

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.

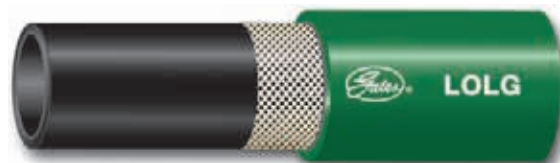
Reinforcement: One fiber braid.







Cover: Oil and abrasion resistant, synthetic rubber (Modified Nitrile - Type C2). 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):

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



Description	Product No.							Packaging	Standard Pack
3LOLGXREEL*	3284-2530	3/16	0.41	300	1,200	3.0	28	F	300
4LOLGXREEL	3284-2531	1/4	0.47	300	1,200	3.0	28	F	475
6LOLGXREEL	3284-2533	3/8	0.63	300	1,200	3.0	28	F	300
8LOLGXREEL	3284-2535	1/2	0.77	300	1,200	5.0	28	F	300
10LOLGXREEL*	3284-2537	5/8	0.94	300	1,200	7.0	28	F	250
12LOLGXREEL	3284-2536	3/4	1.06	300	1,200	6.0	15	F	225

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.





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). 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):

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



Description	Product No.							Packaging	Standard Pack
3LOLRXREEL*	3284-2540	3/16	0.41	300	1,200	3.0	28	F	300
4LOLRXREEL	3284-2541	1/4	0.47	300	1,200	3.0	28	F	475
6LOLRXREEL	3284-2543	3/8	0.63	300	1,200	3.0	28	F	300
8LOLRXREEL	3284-2545	1/2	0.77	300	1,200	5.0	28	F	300
10LOLRXREEL*	3284-2547	5/8	0.94	300	1,200	6.0	28	F	250
12LOLRXREEL	3284-2549	3/4	1.06	300	1,200	7.0	15	F	225

*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.*

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). 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):

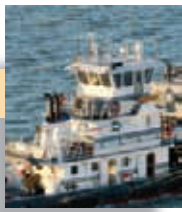
- Field Attachable LOC Couplings
- GLP Couplings (except -3)
- Use clamp over beaded nipple.



Description	Product No.							Packaging	Standard Pack
3LOLYXREEL*	3284-2560	3/16	0.41	300	1,200	3.0	28	F	300
4LOLYXREEL	3284-2561	1/4	0.47	300	1,200	3.0	28	F	475
6LOLYXREEL	3284-2563	3/8	0.63	300	1,200	3.0	28	F	300
8LOLYXREEL	3284-2565	1/2	0.77	300	1,200	5.0	28	F	300
10LOLYXREEL*	3284-2567	5/8	0.94	300	1,200	6.0	28	F	250
12LOLYXREEL	3284-2569	3/4	1.06	300	1,200	7.0	15	F	225

*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.*





LOL Plus Lock-On Hose—Gray

Low Pressure

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). 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):

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



Description	Product No.							Packaging	Standard Pack
3LOLCXREEL*	3284-2520	3/16	0.41	300	1,200	3.0	28	F	300
4LOLCXREEL	3284-2521	1/4	0.47	300	1,200	3.0	28	F	475
6LOLCXREEL	3284-2523	3/8	0.63	300	1,200	3.0	28	F	300
8LOLCXREEL	3284-2525	1/2	0.77	300	1,200	5.0	28	F	300
1LOLCXREEL	3284-2527	5/8	0.94	300	1,200	6.0	28	F	250
12LOLCXREEL	3284-2529	3/4	1.06	300	1,200	7.0	15	F	225

NOTE: LOL Lock-On Hose is packaged in UPS shippable reels.

The use of clamps with LOC Couplings is not recommended.

*Couplings for this size are available on special order only. ^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):

- C5 Field Attachable Couplings



Description	Product No.							Packaging	Standard Pack
4C5CXREEL	3658-1775	3/16	0.52	3,000	12,000	3.0	4.0	G	440
5C5CXREEL	3658-1776	1/4	0.58	3,000	12,000	3.4	4.0	G	385
6C5CXREEL	3658-1777	5/16	0.67	2,250	9,000	4.0	4.0	G	385
8C5CXREEL	3658-1778	13/32	0.77	2,000	8,000	4.6	4.0	H	330
10C5CXREEL	3658-1779	1/2	0.92	1,750	7,000	5.5	4.0	H	275
12C5CXREEL	3658-1780	5/8	1.08	1,500	6,000	6.5	4.0	H	220
16C5CXREEL	3658-1781	7/8	1.23	800	3,200	7.4	4.0	H	165
20C5CXCTN	3658-1758	1 1/8	1.50	625	2,500	9.0	4.0	A	100
24C5CXCTN	3658-1759	1 3/8	1.75	500	2,000	10.5	4.0	A	100
32C5CXCTN	3658-1760	1 13/16	2.22	350	1,400	13.3	4.0	D	100
40C5CXCTN	3658-1761	2 3/8	2.88	350	1,400	24.0	4.0	A	100

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 J1019 and fuel resistance of SAE J30R2.

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):
C5 Field Attachable Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚ ^{R2}	Packaging	Standard Pack
4C5DXREEL	3658-0020	3/16	0.52	1,500	6,000	1.0	G	440
5C5DXREEL	3658-0027	1/4	0.58	1,500	6,000	1.5	G	385
6C5DXREEL	3658-0021	5/16	0.67	1,500	6,000	1.8	G	385
8C5DXREEL	3658-0022	13/32	0.77	1,250	5,000	2.0	H	330
10C5DXREEL	3658-0028	1/2	0.92	1,250	5,000	2.0	H	275
12C5DXREEL	3658-0029	5/8	1.08	750	3,000	2.3	H	220
16C5DXREEL	3658-0030	7/8	1.23	400	1,600	3.5	H	165

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):

Brass or Carbon Steel C5 Field Attachable Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚ ^{R2}	Packaging	Standard Pack
5C5MXREEL	3658-1965	1/4	0.58	500	2,000	1.3	G	385
6C5MXREEL	3658-1969	5/16	0.67	500	2,000	1.3	G	385
8C5MXREEL	3658-1973	13/32	0.77	500	2,000	1.8	H	330
10C5MXREEL	3658-1977	1/2	0.92	500	2,000	2.3	H	275
12C5MXREEL	3658-1981	5/8	1.08	500	2,000	2.8	H	220
16C5MXREEL	3658-1985	7/8	1.23	500	2,000	3.5	H	165





C5E High-Temp Flexline Hose

DOT FMVSS 106 Type AI, SAE J1019 and SAE J1402 Type AI (-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):
C5E Field Attachable Couplings



Description	Product No.						Packaging	Standard Pack
4C5EXREEL	3658-0210	3/16	0.49	1,500	6,000	.8	G	440
5C5EXREEL	3658-0211	1/4	0.55	1,500	6,000	1.0	G	385
6C5EXREEL	3658-0212	5/16	0.61	1,500	6,000	1.3	G	385
8C5EXCTN	3658-0203	13/32	0.73	1,250	5,000	1.8	D	475
8C5EXREEL	3658-0213	13/32	0.73	1,250	5,000	1.8	H	330
10C5EXCTN	3658-0204	1/2	0.83	1,250	5,000	2.3	D	330
10C5EXREEL	3658-0214	1/2	0.83	1,250	5,000	2.3	H	275
12C5EXCTN	3658-0205	5/8	0.95	750	3,000	2.8	D	200
12C5EXREEL	3658-0215	5/8	0.95	750	3,000	2.8	H	220
16C5EXREEL	3658-0216	7/8	1.20	400	1,600	3.5	H	165
20C5EXCTN	3658-0207	1 1/8	1.49	300	1,250	4.5	D	100

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—Black

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. Black (NABTA). Other colors available upon request.

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

Coupling Recommendation (See Crimp Data Manual 35019):
Gates DOT SureLok™ Couplings



Description	Product No.		Type				Packaging	Standard Pack
2NABTAXLG REEL	4327-0117	1/8	A	150	800	.37	T	1000
4NABTAXLG REEL	4327-0101	1/4	A	150	960	1.0	T	1000
5NABTAXREEL	4327-0120	5/16	B	150	800	1.25	T	500
6NABTAXLG REEL	4327-0201	3/8	B	150	1,120	1.5	T	1000
6NABTAXREEL	4327-0126	3/8	B	150	1,120	1.5	T	500
8NABTAXREEL	4327-0112	1/2	B	150	760	2.0	T	500
10NABTAXREEL	4327-0115	5/8	B	150	720	2.5	T	250
12NABTAXREEL	4327-0116	3/4	B	150	640	3.0	T	250



Nylon Air Brake Tubing—Green



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. Green (NABTG). Other colors available upon request.

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

Coupling Recommendation (See Crimp Data Manual 35019):

Gates DOT SureLok™ Couplings



Description	Product No.	Ø	Type	Ø	Ø	Ø	Packaging	Standard Pack
4NABTGXREEL	4327-0104	1/4	A	150	960	1.0	T	1000
6NABTGXLG REEL	4327-1003	3/8	B	150	1,120	1.25	T	1000
6NABTGXREEL	4327-0129	3/8	B	150	760	1.25	T	500
8NABTGXREEL	4327-0132	1/2	B	150	720	2.0	T	500
10NABTGXREEL	4327-1006	5/8	B	150	640	3.5	T	250

Nylon Air Brake Tubing—Red

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. Red (NABTR). Other colors available upon request.

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

Coupling Recommendation (See Crimp Data Manual 35019):

Gates DOT SureLok™ Couplings



Description	Product No.	Ø	Type	Ø	Ø	Ø	Packaging	Standard Pack
4NABTRXREEL	4327-0105	1/4	A	150	960	1.0	T	1000
6NABTRXLG REEL	4327-1005	3/8	B	150	1,120	1.25	T	1000
6NABTRXREEL	4327-0127	3/8	B	150	1,120	1.25	T	500
8NABTRXREEL	4327-0131	1/2	B	150	760	2.0	T	500
10NABTRXREEL	4327-1007	5/8	B	150	720	3.5	T	250





Nylon Air Brake Tubing—Blue

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. Blue (NABTB). Other colors available upon request.

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

Coupling Recommendation (See Crimp Data Manual 35019):
Gates DOT SureLok™ Couplings



Description	Product No.	Ø	Type	1/8"	1/4"	3/8"	Packaging	Standard Pack
4NABTBXLG REEL	4327-1001	1/4	A	150	960	1.0	T	5000
4NABTBXREEL	4327-0102	1/4	B	150	960	1.0	T	1000
6NABTBXLG REEL	4327-1002	3/8	B	150	1,120	1.25	T	1000
6NABTBXREEL	4327-0128	3/8	B	150	1,120	1.25	T	500
8NABTBXREEL	4327-0133	1/2	B	150	760	2.0	T	500
10NABTBXREEL	4327-0134	5/8	B	150	720	2.5	T	250

Nylon Air Brake Tubing—Yellow

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. Yellow (NABTY). Other colors available upon request.

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

Coupling Recommendation (See Crimp Data Manual 35019):
Gates DOT SureLok™ Couplings



Description	Product No.	Ø	Type	1/8"	1/4"	3/8"	Packaging	Standard Pack
4NABTYXREEL	4327-0107	1/4	A	150	960	1.0	T	1000
6NABTYXREEL	4327-0111	3/8	B	150	1,120	1.25	T	1000
8NABTYXREEL	4327-0130	1/2	B	150	760	2.0	T	500
10NABTYXREEL	4327-0135	5/8	B	150	720	2.5	T	250

Nylon Air Brake Tubing—Orange

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. Orange (NABTO). Other colors available upon request.

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

Coupling Recommendation (See Crimp Data Manual 35019):
Gates DOT SureLok™ Couplings



Description	Product No.	Ø	Type	1/8"	1/4"	3/8"	Packaging	Standard Pack
6NABTOXREEL	4327-1004	3/8	B	150	1,120	1.25	T	1000
8NABTOXREEL	4327-0137	1/2	B	150	760	2.0	T	500
10NABTOXREEL	4327-0138	5/8	B	150	720	2.5	T	250



Nylon Air Brake Tubing—Purple



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. Purple (NABTP). Other colors available upon request.

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

Coupling Recommendation (See Crimp Data Manual 35019):
Gates DOT SureLok™ Couplings



Description	Product No.		Type				Packaging	Standard Pack
4NABTPXLG REEL	4327-0125	1/4	A	150	960	1.0	T	1000

Nylon Air Brake Tubing—Brown

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. Brown (NABTN). Other colors available upon request.

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

Coupling Recommendation (See Crimp Data Manual 35019):
Gates DOT SureLok™ Couplings



Description	Product No.		Type				Packaging	Standard Pack
4NABTNXREEL	4327-0103	1/4	A	150	960	1.0	T	1000
6NABTNXREEL	4327-0109	3/8	B	150	1,120	1.25	T	1000

Nylon Air Brake Tubing—Silver

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. Silver (NABTS). Other colors available upon request.

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

Coupling Recommendation (See Crimp Data Manual 35019):
Gates DOT SureLok™ Couplings



Description	Product No.		Type				Packaging	Standard Pack
4NABTSXREEL	4327-0106	1/4	A	150	960	1.0	T	1000
8NABTSXREEL	4327-0114	1/2	B	150	760	2.0	T	500





Nylon Air Brake Tubing—White

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. White (NABTW). Other colors available upon request.

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

Coupling Recommendation (See Crimp Data Manual 35019):
Gates DOT SureLok™ Couplings



Description	Product No.		Type				Packaging	Standard Pack
6NABTWXREEL	4327-0110	3/8	B	150	1,120	1.25	T	1000

C14 Teflon® 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):
C14 Couplings



Description	Product No.										Packaging	Standard Pack
4C14XCTN	7752-0400	3/16	0.31	1,500	10,000	2.0	3,000	12,000	1,500	6,000	L	400
5C14XCTN	7752-0500	1/4	0.38	1,500	9,000	3.0	3,000	12,000	1,500	6,000	L	350
6C14XCTN	7752-0600	5/16	0.45	1,500	8,000	4.0	2,500	10,000	1,500	6,000	L	300
8C14XCTN	7752-0800	13/32	0.55	1,000	6,000	5.3	2,000	8,000	1,000	4,000	L	250
10C14XCTN	7752-1000	1/2	0.65	800	6,000	6.5	1,500	6,000	800	3,200	L	200
12C14XCTN	7752-1200	5/8	0.79	800	5,000	7.8	1,200	4,800	800	2,600	L	150
16C14XCTN	7752-1600	7/8	1.03	800	3,500	9.0	1,000	4,000	800	2,200	L	100

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.

† Teflon® is a Registered Trademark of DuPont.



C14CT Teflon® 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 PTFE. See Hose Stock Characteristics.

Coupling Recommendation (See Crimp Data Manual 35019):
C14 Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	72°F (22°C)	72°F (22°C)	450°F (232°C)	450°F (232°C)	Packaging	Standard Pack
6C14CTXCTN*	7752-3600	5/16	0.45	1,500	8,000	4.0	2,500	10,000	1,500	6,000	L	300
8C14CTXCTN*	7752-3800	13/32	0.55	1,000	6,000	5.3	2,000	8,000	1,000	4,000	L	250

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.

† Teflon® is a Registered Trademark of DuPont.

Thermoplastic

TH8 Hydraulic Hose—SAE 100R8

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. TH8 and TH8NC hoses meet or exceed 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 or orange urethane resists hydraulic fluids, high temperatures, aging and weather. TH8NC (orange) is non-perforated for applications requiring electrical non-conductivity. TH8NC 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). Black 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):

MegaCrimp® Couplings (-4 through -16)
Swage PCTS Permanent Couplings (-3 only)



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
3TH8XCTN	4467-1178	3/16	0.50	5,000	20,000	1.5	N	250
4TH8XCTN	4467-1179	1/4	0.61	5,000	20,000	2.0	N	250
6TH8XCTN	4467-1181	3/8	0.75	4,000	16,000	2.5	N	250
8TH8XCTN	4467-1183	1/2	0.87	3,500	14,000	4.0	N	250
12TH8XCTN	4467-1184	3/4	1.13	2,250	9,000	6.5	N	200
16TH8XCTN	4467-1185	1	1.45	2,000	8,000	10.0	N	200





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. TH8 and TH8NC hoses meet or exceed 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 or orange urethane resists hydraulic fluids, high temperatures, aging and weather. TH8NC (orange) is non-perforated for applications requiring electrical non-conductivity. TH8NC 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). Black 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):
MegaCrimp® Couplings



Description	Product No.	⌀	OD	Weight	Length	Radius	Packaging	Standard Pack
4TH8NCXCTN	4467-1186	1/4	0.61	5,000	20,000	2.0	N	250
6TH8NCXCTN	4467-1204	3/8	0.75	4,000	16,000	2.5	N	250
8TH8NCXCTN	4467-1189	1/2	0.87	3,500	14,000	4.0	N	250

TH7 Hydraulic Hose—SAE 100R7

Thermoplastic

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 hoses meet or exceed 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):

MegaCrimp® Couplings
Swage PCTS Permanent Couplings (-2 and -3)



Description	Product No.	⌀	OD	Weight	Length	Radius	Packaging	Standard Pack
2TH7XCTN	4467-1154	1/8	0.32	3,000	12,000	.5	N	250
3TH7XCTN	4467-1155	3/16	0.41	3,000	12,000	.8	N	250
4TH7XCTN	4467-1157	1/4	0.50	2,750	11,000	1.3	N	250
5TH7XCTN	4467-1159	5/16	0.56	2,500	10,000	1.8	N	250
6TH7XCTN	4467-1161	3/8	0.64	2,250	9,000	2.0	N	250
8TH7XCTN	4467-1207	1/2	0.80	2,000	8,000	3.0	N	250
12TH7XCTN	4467-1165	3/4	1.05	1,250	5,000	5.0	N	200
16TH7XCTN	4467-1196	1	1.32	1,000	4,000	10.0	N	200



Thermoplastic

TH7NC Non Conductive Hydraulic Hose—SAE 100R7



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. TH7NC hose meets or exceeds performance requirements of SAE 100R7 with a significantly tighter bend radius. Meets ANSI A92.2 for vehicle mounted aerial devices (-3 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):

MegaCrimp® Couplings
Swage PCTS Permanent Couplings (-2 and -3)



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
2TH7NCXCTN	4467-1166	1/8	0.32	3,000	12,000	.5	N	250
3TH7NCXCTN	4467-1167	3/16	0.41	3,000	12,000	.8	N	250
4TH7NCXCTN	4467-1169	1/4	0.50	2,750	11,000	1.3	N	250
5TH7NCXCTN	4467-1171	5/16	0.56	2,500	10,000	1.8	N	250
6TH7NCXCTN	4467-1173	3/8	0.64	2,250	9,000	2.0	N	250
8TH7NCXCTN	4467-1175	1/2	0.80	2,000	8,000	3.0	N	250
12TH7NCXCTN	4467-1177	3/4	1.05	1,250	5,000	5.0	N	200
16TH7NCXCTN	4467-1198	1	1.32	1,000	4,000	10.0	N	200

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 hoses meet or exceed 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):

MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
4TH7DLXCTN	4472-0220	1/4	0.50	2,750	11,000	1.3	N	250
5TH7DLXCTN	4472-0221	5/16	0.56	2,500	10,000	1.8	N	250
6TH7DLXCTN	4472-0223	3/8	0.64	2,250	9,000	2.0	N	250
8TH7DLXCTN	4472-0224	1/2	0.80	2,000	8,000	3.0	N	250



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TH7NCDL Non Conductive Dual Line Hydraulic Hose—SAE 100R7

Thermoplastic

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. TH7NCDL hose meets or exceeds performance requirements of SAE 100R7 with significantly tighter bend radius.

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):
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
4TH7NCDLXCTN	4472-0225	1/4	0.50	2,750	11,000	1.3	N	250
6TH7NCDLXCTN	4472-0227	3/8	0.64	2,250	9,000	2.0	N	250
8TH7NCDLXCTN	4472-0229	1/2	0.80	2,000	8,000	3.0	N	250

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: Special polyester, black, 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):
MegaCrimp® Couplings with TuffCoat™ plating.



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
4TH18XCTN	4467-0006	1/4	0.48	3,000	12,000	1.4	N	250
5TH18XCTN	4467-0007	5/16	0.56	3,000	12,000	1.8	N	250
6TH18XCTN	4467-0008	3/8	0.65	3,000	12,000	1.8	N	250
8TH18XCTN	4467-0009	1/2	0.89	3,000	12,000	2.8	N	250
10TH18XCTN	4467-0010	5/8	1.03	3,000	12,000	3.9	N	250

Thermoplastic

TH18NC Constant Pressure Non Conductive Hydraulic Hose—SAE 100R18



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):
MegaCrimp® Couplings with TuffCoat™ plating.



Description	Product No.	⊖	⊕	⊙	⊙	⊙	⊙	Packaging	Standard Pack
4TH18NCXCTN	4467-0011	1/4	0.48	3,000	12,000	1.4	N	N	250
5TH18NCXCTN	4467-0012	5/16	0.56	3,000	12,000	1.8	N	N	250
6TH18NCXCTN	4467-0013	3/8	0.65	3,000	12,000	1.8	N	N	250
8TH18NCXCTN	4467-0014	1/2	0.89	3,000	12,000	2.8	N	N	250
10TH18NCXCTN	4467-0015	5/8	1.03	3,000	12,000	3.9	N	N	250

Refrigerant

PolarSeal® Hose

(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.

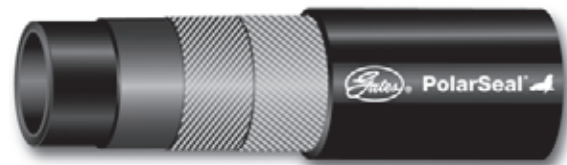
Reinforcement: Two layers of spiral polyester.

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):
Permanent PolarSeal® (ACA) Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	⊙	Packaging	Standard Pack
6AC134AXREEL	3353-0903	5/16	0.75	500	2,000	2.0	24	N	340
8AC134AXREEL	3353-0908	13/32	0.91	500	2,000	3.0	24	N	235
10AC134AXREEL	3353-0913	1/2	1.00	500	2,000	4.0	24	N	210
12AC134AXREEL	3353-0918	5/8	1.13	500	2,000	5.0	24	N	175



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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.
- Two control options for versatility:
 - Digital dial accuracy for precise, consistent crimping.
 - Positive stop for ease of repeatability.

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.



Power Crimp® 3000B

- Designed to withstand the punishment of continued use.
- Ram can exert a hydraulic force in excess of 125 tons.
- Crimp all Gates hydraulic hose types 3/16" through 2" I.D. including six spiral-wire hose.
- Automatic limit switch gives push button convenience.

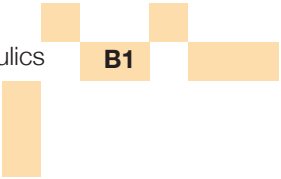
GC32-XD® Crimper

- 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.



EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

For complete crimper specifications, see the following pages.





Equipment

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

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FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW 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.

Features two control options:

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

Positive Stop Control

No settings necessary since color-coded spacer rings control the crimp. Just hold the start button until the ram extends to a fixed "stop" for each crimp, then release. Controlled crimp stroke for ease of repeatability.

Product Number: 7480-0050

Non-stock item (made to order)



Accessories

Product Number

Crimper-to-Pump Male Quick Disconnect	7252-8831
Crimper-to-Pump Female Quick Disconnect	7252-8830
Carrying Case	7482-1121
Vinyl Cover	7482-1120

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 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.

For other hose and coupling configurations, reference www.gates.com/ecrimp or Gates crimp data manual.

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.



1/4 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.

1/4 HP 115 Volt AC Pump

Economical and lightweight for portability.

Product Number: 7481-0033
Pressure Rating: 10,000 psi
Weight: 20 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.



EQUIPMENT
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QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





Equipment

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

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LOW PRESSURE COUPLINGS

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PCTS THERMO-PLASTIC COUPLINGS

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FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW 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).

Product Number: 7480-0046

Standard PC707 without die sets wired for 230 volts (includes die backup ring, a notched cone and a no-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.

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 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)

Product Number: 7481-0028
(230 volt, 15 amp, 1 h.p., 60 cycles)
Use only with crimper product number 7480-0046.

Dimensions: 12" wide by 25" deep by 12" high.

Weight: 70 lbs.

Maximum Working Pressure: 4,900 psi.





Power Crimp® 3000B

Crimp permanent assemblies in hose sizes from 3/16" through 2" I.D. (including six spiral-wire hose) using Gates Power Crimp 3000B.

Power Crimp 3000B is rugged enough to absorb the punishment of continued use. The ram can exert a hydraulic force in excess of 125 tons and can crimp all Gates hydraulic hose types from 3/16" through 2" I.D.

This Gates crimper uses an automatic limit switch to give push-button convenience during the crimping operation—accurately and dependably.

SPECIFICATIONS

Product Number: 7480-0044

Dimensions: 10" wide by 10" deep by 25" high

Weight: 375 lbs.

Production Rate: 209 assemblies per hour (using 1/2" I.D. one-wire braid hose and straight stems with return stroke limiting arm).



Power Crimp® 3000B Die Selection Table

For GlobalSpiral™ (G20) Couplings

Hose Type	Hose Sizes					
	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"
G6K	33	33	35	35	37	310L
G5K	33	33	35	35	37	310L
C12M	33	33	—	35	37	39

For MegaCrimp® (G25) Couplings

Hose Type	Hose Sizes						
	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
M3K	21 or 31	22 or 32	33	34	35	37	—
M2T	21 or 31	22 or 32	33	34	35	37	—
G1	21 or 31	22 or 32	33	34	35	37	39
G2	21 or 31	22 or 32	33	34	35	37	39

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 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 [Ⓞ]	311	312	313	314	32C4	
Product No.	7482-1127	7482-7023	7482-7029	7482-6523	7482-0298	7482-6584	

[Ⓞ]310L supersedes 310 die.

Power Crimp® 3000B Power Sources

ELECTRO-HYDRAULIC PUMP SPECIFICATIONS

All Hydraulic Pumps Pressure Rating: 11,000 psi

Product Number: 7481-0013

440 Volt, 5 amp., 3 H.P., 3-Phase, 60 Cycles
12-Quart Oil Capacity (20W)

Product Number: 7481-0014

230 Volt, 13 amp., 3 H.P., Single Phase,
60 Cycles, 12-Quart Oil Capacity (20W)

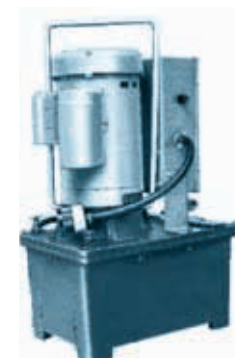
Different voltage pumps are available on special order.

Product Number: 7481-0016

230 Volt, 10 amp., 3 H.P., 3-Phase,
60 Cycles, 12-Quart Oil Capacity (20W)

Product Number: 7481-0026

115 Volt, 10 amp., 2 H.P., Single Phase,
60 Cycles, 8-Quart Oil Capacity (20W)



EQUIPMENT

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PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

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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:** 208-264V, 45-65 Hz, 1 or 3 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"
G6K	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 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 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 LifeGuard™ Sheathing

1/4"	3/8"	1/2"
32-3234	32-3335	32-3436

For other hose and coupling configurations, reference 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		
Product No.	7482-7155	7482-7156	7482-7157	7482-1419	7482-1420	7482-1421		





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.



Hydraulic Hose Reel Rack

This sturdy and convenient rack stores three reels of hose. (Hose not included.)

Product Number: 7484-0019

Dimensions: 30" deep by 28" wide by 72" high



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).



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FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
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NEW BALL VALVES

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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.

5 ■ Bin Boxes

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.





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

EQUIPMENT

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GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

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POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

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QUICK DISCONNECT COUPLERS

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NEW BALL VALVES

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Gates Power Cutter® 207

Product Number: 7480-6598

Effortless Straight Cuts Every Time

- Clear face shield for added safety.
 - Powerful high torque, 4.2 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: 4.2 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.
- Power cord supplied with standard 220V, 20 Amp, AC plug. Can be removed for hard wire situations.
- **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.



SPECIFICATIONS

Power Source: 3 HP (5.2 HP Peak), Single or three phase, 230V, 60 Hz., 15 Amp motor with power cord and plug

Dimensions: 22" wide by 42" length by 24" high

Weight: 215 lbs.

Replacement Blade Product Number: 7482-1329



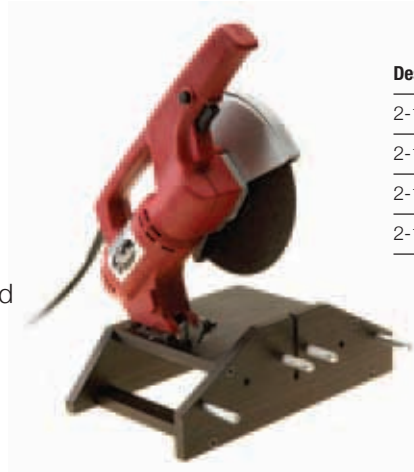
2-16 Portable Hose Saw

SPECIFICATIONS

- Voltage:** 120 Volt
- Cycle:** 60 Hz / 1 phase
- Power:** 5 Amp
- No-load speed:** 8,300 rpm
- Wheel size:** 7"
- Arbor Hole:** 7/8"

FEATURES:

- Cuts up to 1", two-wire braid
- Abrasive cut-off wheel



Description	Product Number
2-16 Saw	7480-6601
2-16 Saw Brushes for Motor	7482-0000
2-16 Saw Blade	7482-0003
2-16 Saw Replacement Motor	7482-0004

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.



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FIELD ATTACHABLE C5 COUPLINGS

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NEW BALL VALVES

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Swager Conversion Kit for the Power Crimp® 707

Produces top quality assemblies using Gates 1/8" and 3/16" TH7, TH7NC, TH8 and TH8NC 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" TH7, TH7NC, TH8 and TH8NC 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.

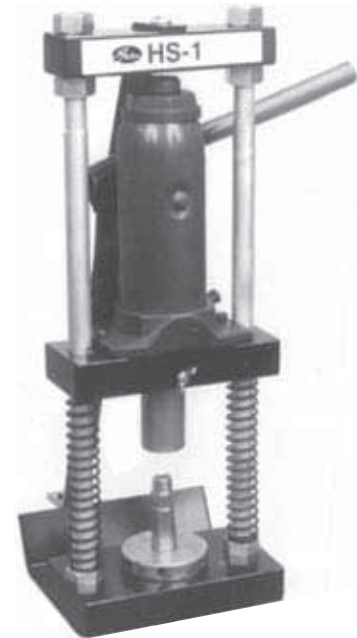
The perfectly swaged assembly is removed and you are ready to repeat the process.

Pushers and dies must be ordered separately.

SPECIFICATIONS

Dimensions: 15" wide by 7" deep by 19-1/2" high

Weight: 41 lbs.





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.

Hand Skiving Tool

Kit Product Number: 7480-0413

Spare Blade Product Number: 7482-0410
For use in skiving 3/16" through 2" I.D. wire braid and spiral reinforced hydraulic hose.

Skiving kit contains:

- Bracket
- Allen wrench
- Knife holder with knife
- Wire brush
- Brace

Ten mandrels (ordered separately) are available. Mandrels are adjustable so you can skive any Gates hose to the correct length. Can be used with Power Mate® 25.



Mandrels:

Size	Product Number	Size	Product Number
3/16"	7482-0400	3/4"	7482-0405
1/4"	7482-0401	1"	7482-0406
3/8"	7482-0402	1-1/4"	7482-0407
1/2"	7482-0403	1-1/2"	7482-0408
5/8"	7482-0404	2"	7482-0409

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.



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FIELD ATTACHABLE C5 COUPLINGS
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SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

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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.





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

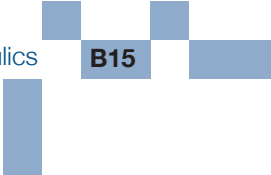
Product Number: 7482-1342

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.



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C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
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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
- GH-04, GH05, GH-06, GH-08, GH10, GH12, GH16, GH20, GH24, GH32 Hose Nozzles
- GA-04, GA-06, GA-08, GA-10, GA-12, GA-16, GA-20, GA-24, GA-32 JIC Assembly Nozzles
- 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
- GH-04, GH05, GH-06, GH-08, GH10, GH12, GH16, GH20 Hose Nozzles
- 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)





MegaClean™ System Replacement Projectiles

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

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POWER CRIMP COUPLINGS

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Notes



Hose & Coupling Section

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	--	--

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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.

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Hose & Coupling Section

Agency Specifications and Hose Selection Guide

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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				100R15		X		X
EFG5K, G5K	X	X	20023 4SH/4SP	X	EN 856 4SH/4SP				100R13		X		X
EFG4K, G4K	X	X	20023 4SP		EN 856 4SP				100R12		X		X
EFG3K, G3K	X		20023 4SP		EN 856 4SP				100R12		X		X
M5K		X				X							
M4K+	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					EN 857 2CS				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 All			
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





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.

	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

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POWER
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COUPLINGS

LOW
PRESSURE
COUPLINGS

POLARSEAL
COUPLINGS

C14
COUPLINGS

PCTS
THERMO-
PLASTIC
COUPLINGS

FIELD
ATTACHABLE
G1 & G2
COUPLINGS

FIELD
ATTACHABLE
C5
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Hose & Coupling Section

Gates Hydraulic Hose Selection Guide

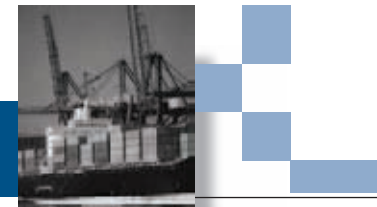
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Standard Industry Specification	Description	Construction (Reinforcement)	Use	Stock			
				Tube		Cover	
				Name	Type	Name	Type
SAE 100R15 EN 856 TYPE 4SP/4SH	EFG6K	4&6-spiral, wire	Extremely High Pressure, Petrol, Oils, Environmental Fluids	Nitrile	C	Neoprene	A
SAE 100R13 EN 856 TYPE 4SP/4SH	EFG5K	4&6-spiral, wire	Extremely High Pressure, Petrol, Oils, Environmental Fluids	Nitrile	C	Neoprene	A
SAE 100R12 EN 856 TYPE 4SP	EFG4K	4&6-spiral, wire	Extremely High Pressure, Petrol, Oils, Environmental Fluids	Nitrile	C	Neoprene	A
SAE 100R12 EN 856 TYPE 4SP	EFG3K	4-spiral, wire	Extremely High Pressure Petrol, Oils	Nitrile	C	Neoprene	A
SAE 100R15 EN 856 TYPE 4SP/4SH	G6K	4&6-spiral, wire	Extremely High Pressure	Neoprene	A	Neoprene	A
SAE 100R13 EN 856 TYPE R13/4SP/4SH	G5K	4&6-spiral, wire	Extremely High Pressure Petrol, Oils	Neoprene	A	Neoprene	A
SAE 100R12 EN 856 TYPE 4SP	G3K	4-spiral, wire	Extremely High Pressure Petrol, Oils	Neoprene	A	Neoprene	A
SAE 100R12 EN 856 TYPE R12	C12	4-spiral, wire	High Pressure, Petrol, Oils	Neoprene	A	Neoprene	A
SAE 100R2 Type AT EN 853 Type 2SN	G2	2-braid, wire	Petroleum Oils	Nitrile	C	NBR/PVC	C2
SAE 100R2 Type AT	MegaTech™ II	2-braid, wire	Petroleum Oils	CPE	J	Blue Textile	---
SAE 100R2 Type AT EN 853 Type 2SN	G2L	2-braid, wire	Petroleum Oils, Low Temperatures	Nitrile	C	Neoprene	A
SAE 100R16	M2T*	2-braid, wire	Tight Bends, High Flexibility	Nitrile	C	NBR/PVC	C2
Gates Proprietary	M6K	2-braid, wire	Tight Bends, High Flexibility	Nitrile	C	NBR/PVC	C2
Gates Proprietary	M5K	2-braid, wire	Tight Bends, High Flexibility	Nitrile	C	NBR/PVC	C2
SAE 100R19	M4K+	2-braid, wire	Tight Bends, High Flexibility	Nitrile	C	NBR/PVC	C2
SAE 100R17	M3K	1 & 2-braid, wire	Tight Bends, High Flexibility	Nitrile	C	NBR/PVC	C2
SAE 100R17 EN 857 1SC	M3KH	1-braid, wire	High Pressure Oil	Nitrile	C	NBR/PVC	C2
SAE 100R2 Type AT EN 853 TYPE 2SN	G2H	2-braid, wire	High Temperature	Nitrile	C	Hypalon+	M
SAE 100R2 Type AT	G2XH	2-braid, wire	Multi-Fluid, High Temperature	CPE	J	CPE	J
SAE 100R2 Type AT	G2AT-HMP	2-braid, wire	Multi-Fluid, High Temperature	CPE	J	Neoprene	A
IJ100	J2AT	2-braid, wire	Industrial Jack Hose	Nitrile	C	NBR/PVC	C2
SAE 100R1 Type AT EN 853 Type 1SN	G1	1-braid, wire	Petroleum Oils	Nitrile	C	NBR/PVC	C2
SAE 100R1 Type AT EN 853 TYPE 1SN	G1H	1-braid, wire	High Temperature	Nitrile	C	Hypalon+	M
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 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	RLA	1-braid, textile	Return & Low Pressure	Nitrile	C	NBR/PVC	C2
	RLC	3-braid, textile	Return & Low Pressure	Nitrile	C	NBR/PVC	C2
	LOC	1-braid, textile	Petrol, Oils, Antifreeze, Water & Air	Nitrile	C	Textile	--
SAE J1402, J1019	MegaTech™	2-braid, wire, textile	Hot Oil, Air Return Line	CPE	J	Textile	--
	MegaTech™ 250	2-braid, wire, textile	Transmission Oil Cooler, Hot Oil, Air Return Line	CPE	J	Textile	--
	TR500	2-braid, wire, textile	Petrol & Syn. Fluids, Air Brakes	Nitrile	C	Textile	---
SAE J1402, DOT FMVSS106-74 Type All	*C5C	3-braid, T-W-T	Petr. Oil, Air Brake, Power Steering	*Nitrile	C	Textile	---
SAE J1402, DOT FMVSS106-74, Type All	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 All	C5E	3-braid, T-W-T	Air Brake, Power Steering, Lube	Nitrile	C	Textile	---
PTFE							
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	---
Thermoplastic							
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-band, Synthetic Fiber	Petroleum & Synthetic Fluids	Nylon	Z	Urethane	U
SAE 100R18	TH18NC	2-band, Synthetic Fiber	Non-conductive	Nylon	Z	Urethane	U
Refrigerant							
SAE J51 Type All Dimensions/ Type D PerformanceJ2064, Type C, Class II Performance	PolarSeal® AC134a	Nylon barrier, 2-spiral, Polyester	Air Conditioning (R12 and R134a)	Chloroprene	A	EPDM	P
Power Steering, SAE J2050	PS188	2-braid, Nylon	Power Steering Fluids, High Temperature	Hypalon+	M	Neoprene	A
PowerClean™	PowerClean™	1 & 2-braid, wire,	Tight Bends, High Flexibility	Nitrile	C	NBR/PVC	C2

* -4 and -5 sizes have a Neoprene tube. ** Nitrile or Neoprene † Registered trademark of DuPont.



Hose & Coupling Section



Gates Hydraulic Hose Selection Guide

Description	Temp. Range (°F)	Dash Size vs. Rated Working Pressure (psi)															
		-2	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48	-56	-64
EFG6K	-40 +250					6,000	6,000	6,000	6,000	6,000	6,000						
EFG5K	-40 +250					5,000	5,000	5,000	5,000	5,000	5,000						
EFG4K	-40 +250					4,000	4,000	4,000	4,000	4,000	4,000						
EFG3K	-40 +250										3,000						
G6K	-40 +250					6,000	6,000	6,000	6,000	6,000	6,000						
G5K	-40 +250						5,000	5,000	5,000	5,000	5,000	5,000					
G3K	-40 +250										3,000	3,000	3,000				
C12	-40 +250											2,500	2,500				
G2	-40 +212		6,000	5,800		4,800	4,000	3,625	3,100	2,400	1,825	1,300	1,175				
MegaTech™ II																	
G2L	-70 +212			5,800		4,800	4,000	3,625	3,100	2,400	1,825	1,300					
M2T®	-40 +212			5,000		4,000	3,500	3,000	2,250	2,000							
M6K	-40 +212			6,000													
M5K	-40 +212			5,000		5,000	5,000										
M4K+	-40 +212			4,000		4,000	4,000	4,000									
M3K	-40 +212			3,000	3,000	3,000	3,000	3,000	3,000								
M3KH	-40 +250			3,000		3,000											
G2H	-40 +275										1,650	1,300	1,175				
G2XH	-40 +300									2,500							
G2AT-HMP	-40 +300						4,250	3,500	3,000								
J2AT	-40 +120			10,000		10,000											
G1	-40 +212		3,625	3,275	3,125	2,600	2,325	1,900	1,525	1,275	925	725	600				
G1H	-40 +275			2,750		2,250	2,000	1,500	1,250	1,000	625	725	600				
G3H(C3H)	-40 +275			1,250		1,125	1,000		750	565	375						
GTH(C6H)	-40 +275		500	400	400	400	400	350	300								
G4H	-40 +275								300	212	200						
GMV	-40 +275								350	300	250	162	112	68	62	56	56
RLA	-40 +212		250	250	250	250	200	200	200	160							
RLC	-40 +275									200	200	200	200	150	150	150	
LOC	-40 +212			300		300	300	300	300								
LOL	-40 +212		300	300	300	300	300	300	300								
TR500	-40 +250			500		500	500	500	500								
MegaTech™	-40 +300			1000		1000	1000	1000	1000	1000	1000	500	500	500	500		
MegaTech™ 250	-40 +212			250		250	250	250	250	250	250						
C5C	-40 +212			3,000	3,000	2,250	2,000	1,750	1,500	800	625	500	350	350			
C5D	-40 +300•			1,500	1,500	1,500	1,250	1,250	750	400							
C5M	-40 +212				500	500	500	500	500	500							
C5E	-40 +300•			1,500	1,500	1,500	1,250	1,250	750	400	300						
C14	***			1,500	1,500	1,500	1,000	800	800	800							
C14 (Static)	-62 +72			3,000	3,000	2,500	2,000	1,500	1,200	1,000							
C14CT	***					1,500	1,000										
C14CT (Static)	+72					2,500	2,000										
TH7	-65 +200	2,500	3,000	2,750	2,500	2,250	2,000		1,250	1,000							
TH7NC	-65 +200	2,500	3,000	2,750	2,500	2,250	2,000		1,250	1,000							
TH7DL	-65 +200			2,750	2,500	2,250	2,000										
TH7NCDL	-65 +200			2,750		2,250	2,000										
TH8	-65 +200		5,000	5,000		4,000	3,500		2,250	2,000							
TH8NC	-65 +200			5,000		4,000	3,500										
TH18	-67 +212			3,000	3,000	3,000	3,000	3,000									
TH18NC	-67 +212			3,000	3,000	3,000	3,000	3,000									
PolarSea® AC134a	-22 +257					500	500	500	500								
PS188	-40 +300						1,500										
PowerClean	-40 +212			3,500		6,000		3,000	4,000	2,500	4,000						

*** Dynamic temperatures -65 +400; Static temperatures +73 +450 • All purpose fleet application service — 40°F to +300°F (-40°C to +149°C), air to +250°F

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LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

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www.gates.com/hydraulics



Hose & Coupling Section

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
EFG6K, EFG5K, EFG4K, EFG3K, G6K, G5K, G3K, C12, G2, G2L, MCPB+, M2T®, M6K, M5K, M4K+, M3K, RFS, RLA, C5C, C5E, CPS, LOC, LOL	+200°F (+93°C)	+180°F (+82°C)
G2H, G1H, MegaTech™ Line, G2AT-HMP, G2XH, C5D, G3H, GTH, G4H, GMV, RLC, TR500, PowerClean™, 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.

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SELECTION, INSTALLATION AND MAINTENANCE OF HOSE AND HOSE ASSEMBLIES— SAE J1273 OCT96 SAE Recommended Practice

Report of the Fluid Conductors and Connectors Technical Committee, approved September 1979 and reaffirmed May 1986. Completely revised by the SAE Fluid Conductors and Connectors Technical Committee SC2—Hydraulic Hose and Hose Fittings October 1996. Rationale statement available.

1. Scope

Hose (also includes hose assemblies) has a finite life and there are a number of factors which will reduce its life. This SAE recommended practice is intended as a guide to assist system designers and/or users in the selection, installation, and maintenance of hose. The designers and users must make a systematic review of each application and then select, install, and maintain the hose to fulfill the requirements of the application. The following are general guidelines and are not necessarily a complete list.

WARNING—IMPROPER SELECTION, INSTALLATION, OR MAINTENANCE MAY RESULT IN PREMATURE FAILURES, BODILY INJURY, OR PROPERTY DAMAGE.

2. References

2.1 Applicable Documents

The following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply.

2.1.1 SAE PUBLICATIONS — Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

J516—Hydraulic Hose Fittings

J517—Hydraulic Hose

3. Selection

The following is a list of factors which must be considered before final hose selection can be made:

3.1 Pressure

After determining the system pressure, hose selection must be made so that the recommended maximum operating pressure is equal to or greater than the system pressure. Surge pressures higher than the maximum operating pressure will shorten hose life and must be taken into account by the hydraulic designer.

3.2 Suction

Hoses used for suction applications must be selected to ensure the hose will withstand the negative pressure of the system.

3.3 Temperature

Care must be taken to ensure that fluid and ambient temperatures, both static and transient, do not exceed the limitations of the hose. Special care must be taken when routing near hot manifolds.

3.4 Fluid Compatibility

Hose selection must assure compatibility of the hose tube, cover, and fittings with the fluid used. Additional caution must be observed in hose selection for gaseous applications.

3.5 Size

Transmission of power by means of pressurized fluid varies with pressure and rate of flow. The size of the components must be adequate to keep pressure losses to a minimum and avoid damage to the hose due to heat generation or excessive turbulence.

3.6 Routing

Attention must be given to optimum routing to minimize inherent problems.

3.7 Environment

Care must be taken to ensure that the hose and fittings are either compatible with or protected from the environment to which they are exposed. Environmental conditions such as ultraviolet light, ozone, salt water, chemicals, and air pollutants can cause degradation and premature failure and, therefore, must be considered.

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3.8 Mechanical Loads

External forces can significantly reduce hose life. Mechanical loads which must be considered include excessive flexing, twisting, kinking, tensile or side loads, bend radius, and vibration. Use of swivel type fittings or adapters may be required to ensure no twist is put into the hose. Unusual applications may require special testing prior to hose selection.

3.9 Abrasion

While a hose is designed with a reasonable level of abrasion resistance, care must be taken to protect the hose from excessive abrasion which can result in erosion, snagging, and cutting of the hose cover. Exposure of the reinforcement will significantly accelerate hose failure.

3.10 Proper End Fitting

Care must be taken to ensure proper compatibility exists between the hose and coupling selected based on the manufacturer's recommendations substantiated by testing to industry standards such as SAE J517. End fitting components from one manufacturer are usually not compatible with end fitting components supplied by another manufacturer (i.e., using a hose fitting nipple from one manufacturer with a hose socket from another manufacturer). It is the responsibility of the fabricator to consult the manufacturer's written instruction or the manufacturer directly for proper end fitting componentry.

3.11 Length

When establishing proper hose length, motion absorption, hose length changes due to pressure, as well as hose and machine tolerances must be considered.

3.12 Specifications and Standards

When selecting hose, government, industry, and manufacturers' specifications and recommendations must be reviewed as applicable.

3.13 Hose Cleanliness

Hose components vary in cleanliness levels. Care must be taken to ensure that the assemblies selected have an adequate level of cleanliness for the application.

3.14 Electrical Conductivity

Certain applications require that hose be non-conductive to prevent electrical current flow. Other applications require the hose to be sufficiently conductive to drain off static electricity. Hose and fittings must be chosen with these needs in mind.

4. Installation

After selection of proper hose, the following factors must be considered by the installer.

4.1 Pre-Installation Inspection

Prior to installation, a careful examination of the hose must be performed. All components must be checked for correct style, size, and length. In addition, the hose must be examined for cleanliness, I.D. obstructions, blisters, loose cover, or any other visible defects.

4.2 Follow Manufacturers' Assembly Instructions

Hose assemblies may be fabricated by the manufacturer, an agent for or customer of the manufacturer, or by the user. Fabrication of permanently attached fittings to hydraulic hose requires specialized assembly equipment. Field-attachable fittings (screw style and segment clamp style) can usually be assembled without specialized equipment, although many manufacturers provide equipment to assist in this operation. SAE J517 hose from one manufacturer is usually not compatible with SAE J516 fittings supplied by another manufacturer. It is the responsibility of the fabricator to consult the manufacturer's written assembly instructions or the manufacturers directly before intermixing hose and fittings from two manufacturers. Similarly, assembly equipment from one manufacturer is usually not interchangeable with that of another manufacturer. It is the responsibility of the fabricator to consult the manufacturer's written instructions or the manufacturer directly for proper assembly equipment. Always follow the manufacturer's instructions for proper preparation and fabrication of hose assemblies.

4.3 Minimum Bend Radius

Installation at less than minimum bend radius may significantly reduce hose life. Particular attention must be given to preclude sharp bending at the hose/fitting juncture.





4.4 Twist Angle and Orientation

Hose installations must be such that relative motion of machine components produces bending of the hose rather than twisting.

4.5 Securement

In many applications, it may be necessary to restrain, protect, or guide the hose to protect it from damage by unnecessary flexing, pressure surges, and contact with other mechanical components. Care must be taken to ensure such restraints do not introduce additional stress or wear points.

4.6 Proper Connection of Ports

Proper physical installation of the hose requires a correctly installed port connection while ensuring that no twist or torque is put into the hose.

4.7 Avoid External Damage

Proper installation is not complete without ensuring that tensile loads, side loads, kinking, flattening, potential abrasion, thread damage, or damage to sealing surfaces are corrected or eliminated.

4.8 System Check Out

After completing the installation, all air entrapment must be eliminated, and the system pressurized to the maximum system pressure and checked for proper function and freedom from leaks.

NOTE—Avoid potential hazardous areas while testing.

5. Maintenance

Even with proper selection and installation, hose life may be significantly reduced without a continuing maintenance program.

Frequency should be determined by the severity of the application and risk potential. A maintenance program should include the following as a minimum:

5.1 Hose Storage

Hose products in storage can be affected adversely by temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents, and radioactive materials. Storage areas should be relatively cool and dark and free of dust, dirt, dampness, and mildew.

5.2 Visual Inspections

Any of the following conditions requires replacement of the hose:

- a. Leaks at fitting or in hose.
(Leaking fluid is a fire hazard.)
- b. Damaged, cut, or abraded cover.
(Any reinforcement exposed.)
- c. Kinked, crushed, flattened, or twisted hose.
- d. Hard, stiff, heat cracked, or charred hose.
- e. Blistered, soft, degraded, or loose cover.
- f. Cracked, damaged, or badly corroded fittings.
- g. Fitting slippage on hose.

5.3 Visual Inspections

The following items must be tightened, repaired, or replaced as required:

- a. Leaking port conditions.
- b. Clamps, guards, shields.
- c. System fluid level, fluid type, and any air entrapment.

5.4 Functional Test

Operate the system at maximum operating pressure and check for possible malfunctions and freedom from leaks.

NOTE—Avoid potential hazardous areas while testing.

5.5 Replacement Intervals

Specific replacement intervals must be considered based on previous service life, government or industry recommendations, or when failures could result in unacceptable down time, damage, or injury risk.

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POLARSEAL
COUPLINGS

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COUPLINGS

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FIELD
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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

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.

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POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

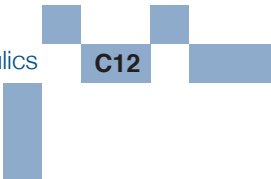
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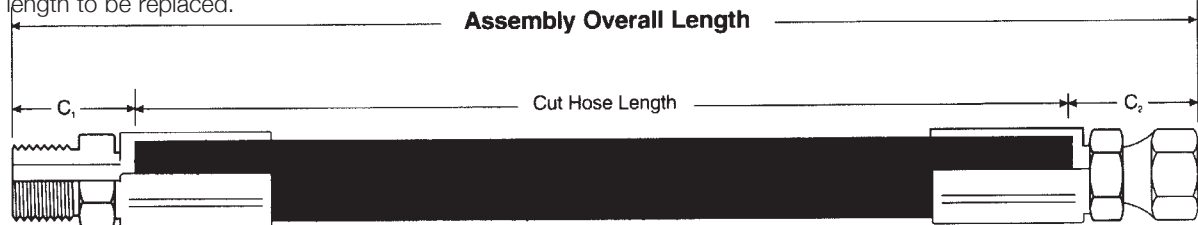
Hose & Coupling Section

How to Make Hose Assemblies of Specific Lengths

Select the hose and couplings required to make the desired hydraulic assembly. Measure the entire length of the assembly. Then use the formula below to calculate the required hose cut length for the assembly.

Hose Cut Length = Assembly Overall Length Minus C1 Minus C2

Cut-off value "C" is the length of that part of the coupling not directly in contact with or applied to the hose. Therefore, subtract the two "C" values from the total length of the assembly and you will have the approximate hose length to be replaced.



$$\text{Hose Length} = \text{Assembly Overall Length} \text{ Minus } (C_1 + C_2)$$

Example: Total assembly overall length = 12.5"
 (Assembly consists of 3/8" G1 hose with 1/2" Male Pipe (6G-8MP) and 3/8" Female JIC (6G-6FJX) terminations)

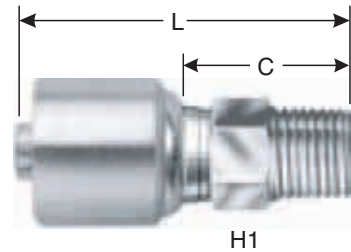
$$\text{Assembly Overall Length} - C_1 - C_2 = \text{Hose Cut Length}$$

$$12.5'' - 1.36 - 1.19 = 9.95'' \text{ (+/- } 3/16'' \text{ tolerance)}$$

Note the "cut-off" measurement "C" for each of the couplings as listed in the specifications tables.

Male Pipe (NPTF - 30° Cone Seat)

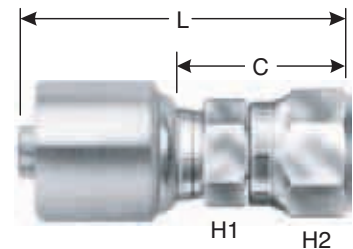
Desc	#		⊕	⌀	H1 (In.)	L (In.)	C (In.)
4G-2MP	G25100-0402	7100-10025	1/4	1/8—27	1/2	1.97	0.94
4G-4MP	G25100-0404	7100-10032	1/4	1/4—18	9/16	2.07	1.04
4G-6MP	G25100-0406	7100-10045	1/4	3/8—18	11/16	2.33	1.10
4G-8MP	G25100-0408	7100-10055	1/4	1/2—14	7/8	2.40	1.38
5G-4MP	G25100-0504	7100-00065	5/16	1/4—18	5/8	2.28	1.18
6G-4MP	G25100-0604	7100-10075	3/8	1/4—18	5/8	2.28	1.19
6G-6MP	G25100-0606	7100-10085	3/8	3/8—18	11/16	2.19	1.09
6G-8MP	G25100-0608	7100-10095	3/8	1/2—14	7/8	2.46	1.36
8G-6MP	G25100-0806	7100-00105	1/2	3/8—18	13/16	2.60	1.12



H1

Female JIC 37° Flare Swivel

Desc	#		⊕	⌀	H1 (In.)	H2 (In.)	L (In.)	C (In.)
4G-4FJX	G25170-0404	7100-10885	1/4	7/16—20	1/2	9/16	2.10	1.08
4G-5FJX	G25170-0405	7100-10895	1/4	1/2—20	1/2	11/16	2.21	1.19
4G-6FJX	G25170-0406	7100-10905	1/4	9/16—18	9/16	3/4	2.22	1.19
5G-5FJX	G25170-0505	7100-00915	5/16	1/2—20	5/8	11/16	2.23	1.13
5G-6FJX	G25170-0506	7100-00925	5/16	9/16—18	5/8	3/4	2.31	1.21
6G-4FJX	G25170-0604	7100-10925	3/8	7/16—20	5/8	9/16	2.30	1.20
6G-5FJX	G25170-0605	7100-10935	3/8	1/2—20	5/8	11/16	2.23	1.13
6G-6FJX	G25170-0606	7100-10945	3/8	9/16—18	5/8	3/4	2.31	1.19
6G-8FJX	G25170-0608	7100-10955	3/8	3/4—16	11/16	7/8	2.48	1.38



H1

H2

SAE Length Tolerances for Hydraulic Hose Assemblies and Specified Hose Lengths

(Reprinted from National Hose Assemblies Manufacturers Association NHAM-STD-2)

Length

For cut lengths from 0 up to and including 12"
 For cut lengths above 12" up to and including 18"
 For cut lengths above 18" up to and including 36"
 For cut lengths above 36"

Tolerance

± 1/8"
 ± 3/16"
 ± 1/4"
 + 1% of length measured to the nearest 1/8"



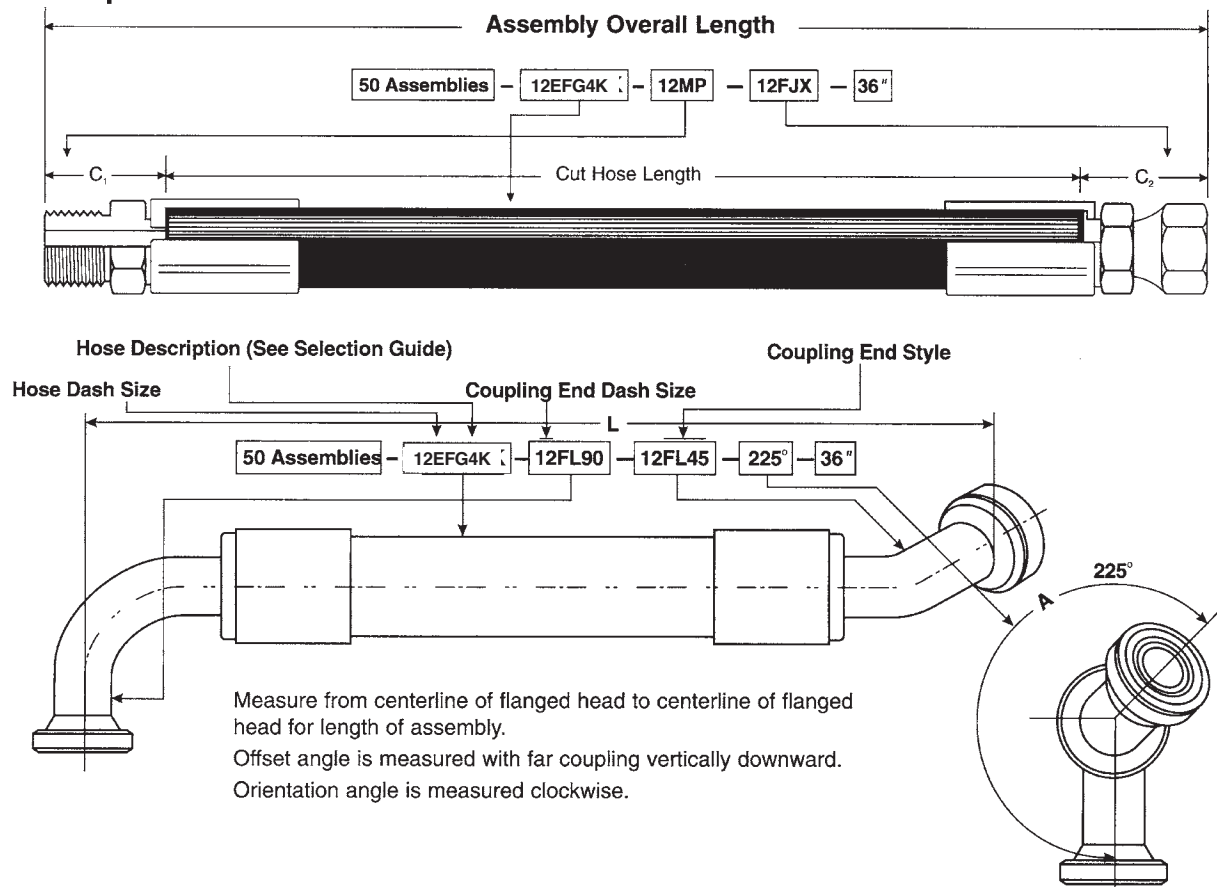


How to Describe Gates Hydraulic Hose Assemblies

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.

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Hose & Coupling Section

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

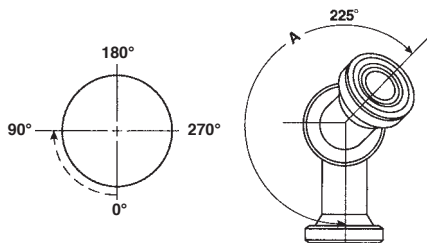
Male Female
 Angle ____° Drop: S M L XL
 or Drop Length ____ (mm)

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.

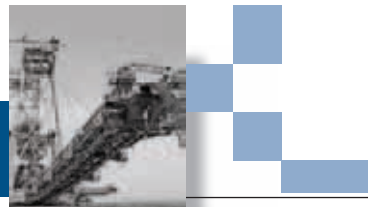
Offset angle is measured with far coupling vertically downward.

Orientation angle is measured clockwise.

Hose Guards

	Full Length	Partial Length	From End of Coupling
Wire Spring 	<input type="checkbox"/>	_____	_____
Flat Armor Spring 	<input type="checkbox"/>	_____	_____
Nylon Sleeve 	<input type="checkbox"/>	_____	_____
Plastic Coil Sleeve 	<input type="checkbox"/>	_____	_____

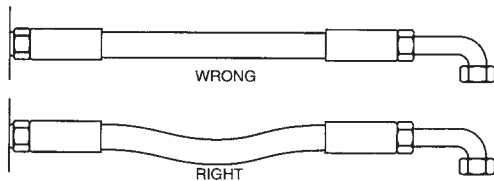




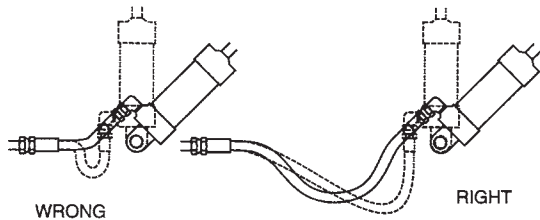
Hose Assembly Routing Tips

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.

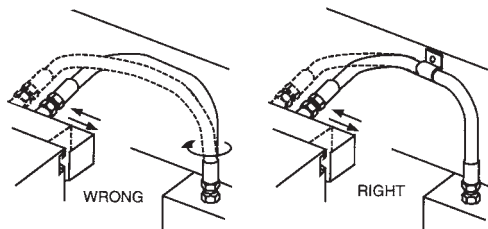
The following diagrams show proper hose installations which provide maximum performance and cost savings. Consider these examples in determining length of a specific assembly.



When hose installation is straight, allow enough slack in hose line to provide for length changes which will occur when pressure is applied.



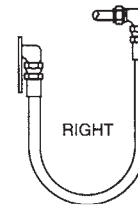
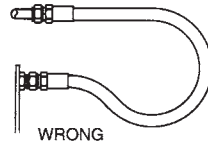
Adequate hose length is necessary to distribute movement on flexing applications and to avoid abrasion.



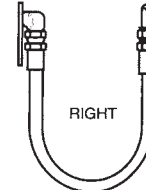
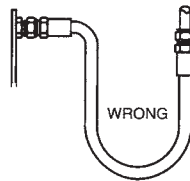
Avoid twisting of hose lines bent in two planes by clamping hose at change of plane.



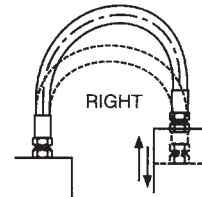
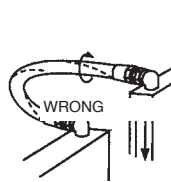
Reduce number of pipe thread joints by using hydraulic adapters instead of pipe fittings.



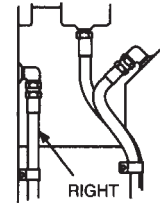
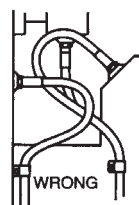
When radius is below the required minimum, use an angle adapter to avoid sharp bends.



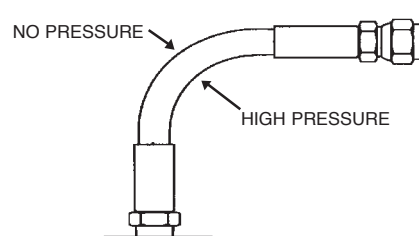
Use proper angle adapters to avoid tight bend in hose.



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.

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FIELD ATTACHABLE C5 COUPLINGS

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QUICK DISCONNECT COUPLERS

NEW BALL VALVES

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SURELOK AIR BRAKE COUPLINGS

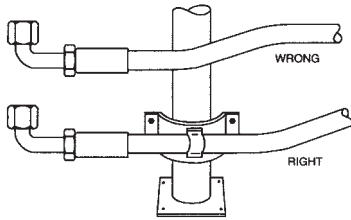
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

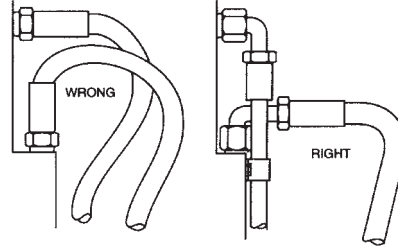
ACCESSORIES

EQUIPMENT AND PARTS

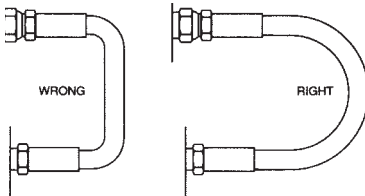
Hose Assembly Routing Tips – con't.



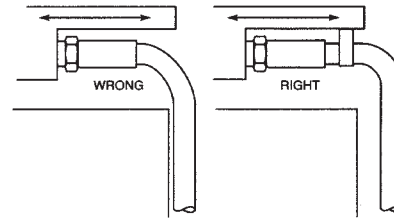
High ambient temperatures shorten hose life, so make sure hose is kept away from hot parts. If this is not possible, insulate hose.



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.

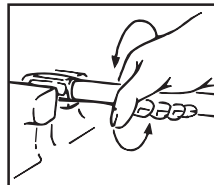
Hydraulic Flareless Assembly Procedure (per SAE J514 6.1.3 & 6.1.4)

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.

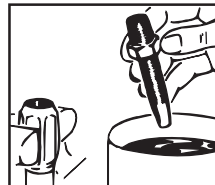
Assembly of Field Attachable Couplings — Five Easy Steps



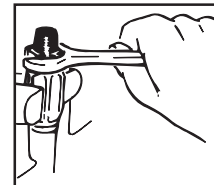
1. Be sure to thoroughly oil hose.



2. Put socket in vise as shown. Turning counter-clockwise, thread hose into socket. Leave a gap of 1/32" to 1/16" between end of hose and inside shoulder of socket.



3. Oil insert thread on nipple thoroughly.

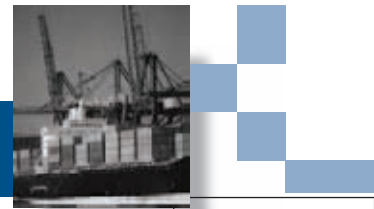


4. With clockwise motion, thread nipple into socket until nipple hex shoulders against ferrule.



5. Inspect assembly internally for cut or bulged tube obstructions and cleanliness.





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 downloaded. The site is www.gates.com/ecrimp. The user must have Microsoft Access 2000.

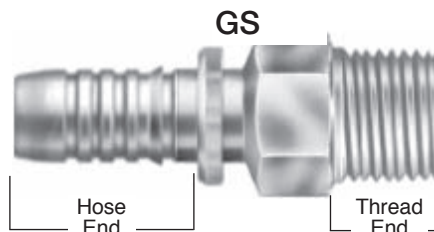


After determining the proper coupling components, refer to the Table of Contents in this catalog to find the proper coupling section. The ferrules are at the end of each coupling section.

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, G5K hose specifies GS and PCM 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.

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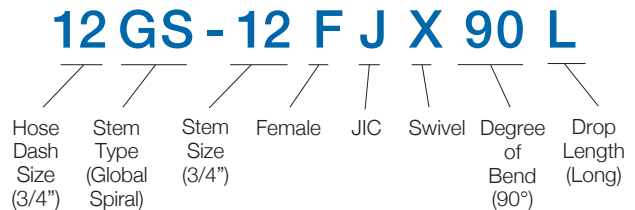
Hose & Coupling Section

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 Charts 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





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 12151-1 Drop Length Specifications

Flat-Face O-Ring

Hose Size	Short Drop (mm)	Medium Drop (mm)	Long Drop (mm)
-4	20.8	32.0	45.7
-6	22.9	38.0	54.1
-8	29.2	41.0	63.8
-10	32.3	46.0	70.1
-12	47.8	58.0	96.0
-16	56.1	71.0	114.3
-20	63.8	78.0	129.3
-24	68.6	86.0	140.7
-32	88.0	140.0	222.0

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 and bent tubes and special ends.

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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.

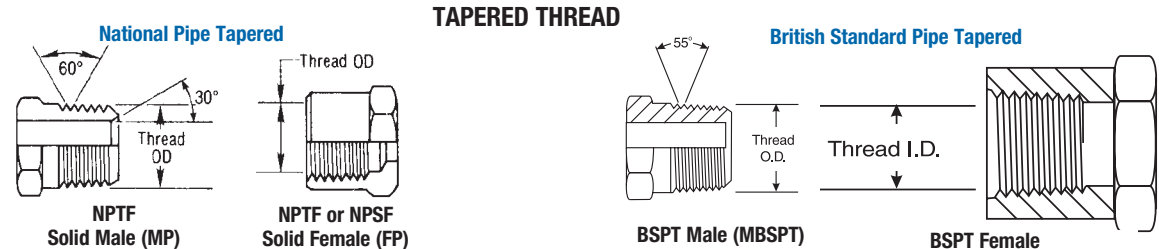
O-Ring. The O-ring on the male being compressed against the corresponding female makes this seal. This type of seal is excellent for high-pressure applications. The threads pull the fitting against the port, trap the O-ring and flatten it to form a tight seal.

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.

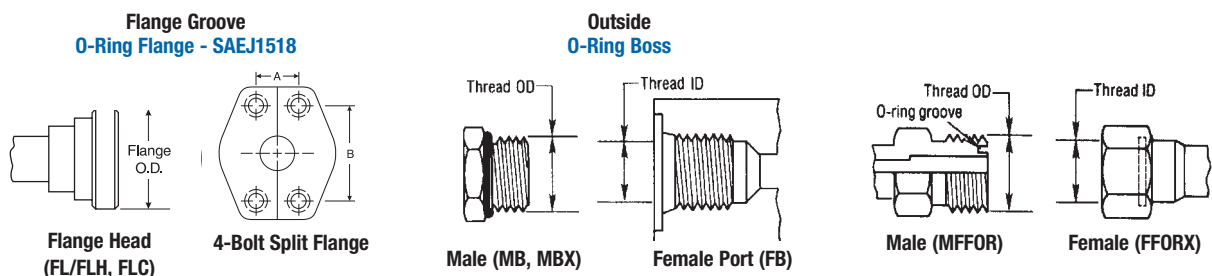
Thread Interference. These are the easiest because the only factor here is whether the termination is male or female. Couplings that use this seal are:



O-Ring. Two determinations are needed:

- O-Ring Location – Flange Groove, Outside, or on the Nose Seat
- Coupling Termination – Male or Female.

O-Ring Location



Male (MFFOR) Female (FFORX)



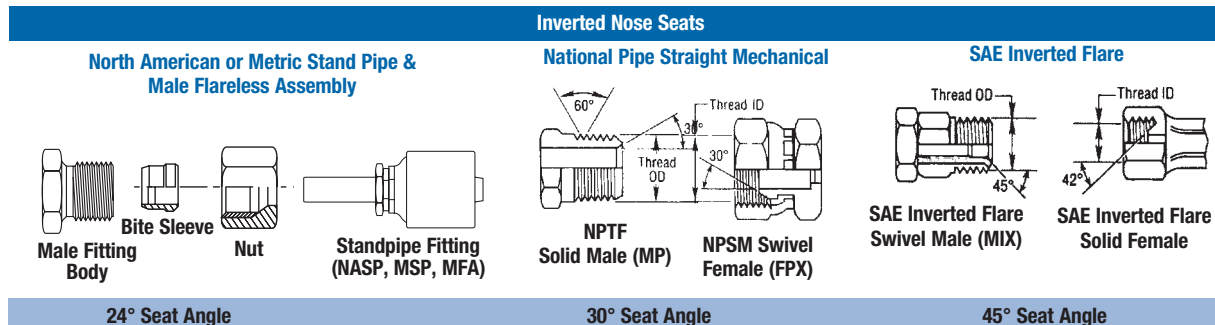
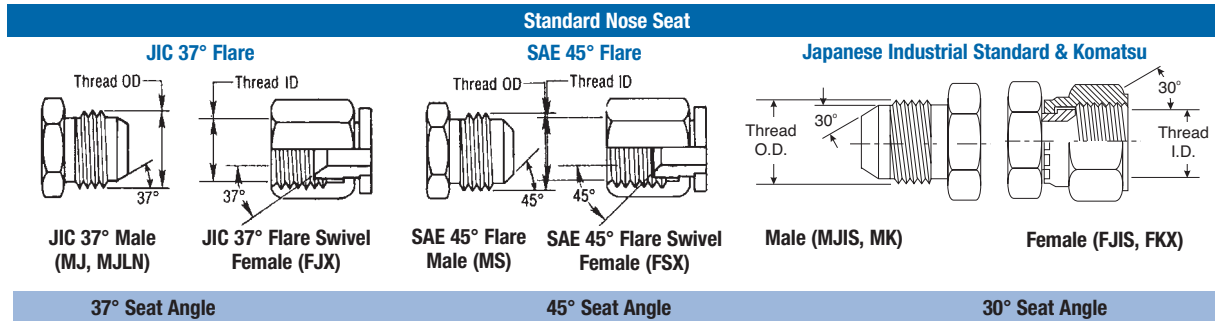


Sealing Types for Hydraulic Couplings – Continued

2. Visual Identification - Continued

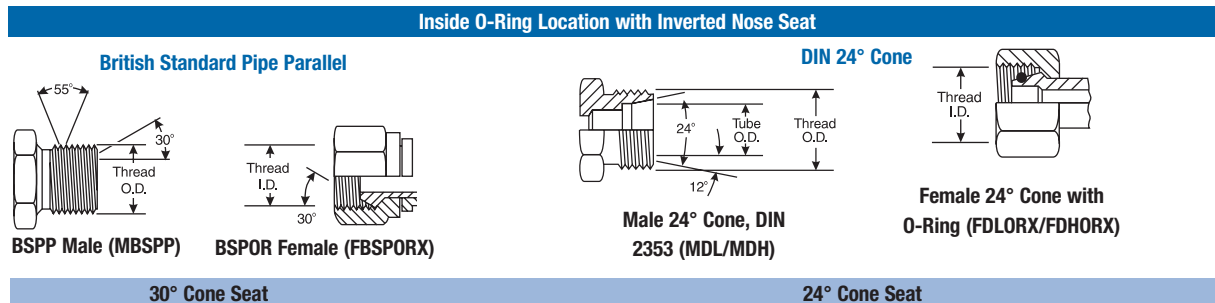
Mated Angle or Mechanical Joint. Determine:

- 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.

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POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

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Hose & Coupling Section

Sealing Types for Hydraulic Couplings – Continued

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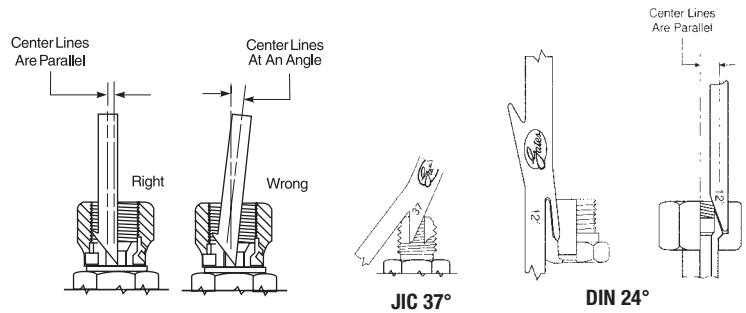
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Measuring Seat Angles

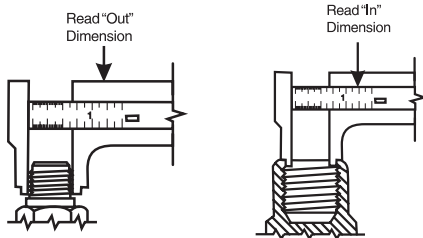
Using the seat gauge, determine the angle of the seat, as illustrated. When the centerline of the seat gauge extends parallel with the projected longitudinal axis of the coupling, then the angles of the gauge and seat match.



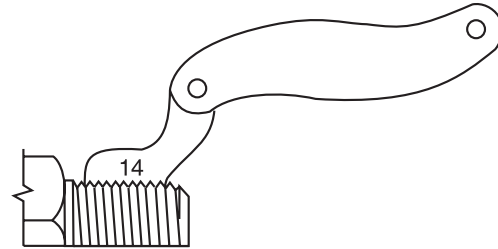
NOTE: Thread binding will occur when different thread configurations are used. DO NOT mix thread configurations.

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!





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.



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SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

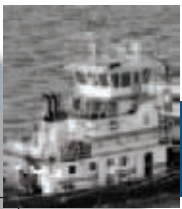
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Hose & Coupling Section



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
NPTF Pipe Thread	1/8-27	1/4-18	3/8-18	1/2-14	5/8-14	3/4-14	7/8-14	1-11 1/2	1 1/8-11 1/2	1 1/4-11 1/2	1 1/2-11 1/2	1 5/8-11 1/2	2-11 1/2	2 1/8-11 1/2	2 1/2-8	3-8
NPSM Swivel Thread	1/8-27	1/4-18	3/8-18	1/2-14	5/8-14	3/4-14	7/8-14	1-11 1/2	1 1/8-11 1/2	1 1/4-11 1/2	1 1/2-11 1/2	1 5/8-11 1/2	2-11 1/2	2 1/8-11 1/2	2 1/2-12	3-12
JIC 37° Flare Thread	9/16-24	3/8-24	7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1 1/8-12	1 1/4-12	1 1/2-12	1 5/8-12	1 7/8-12	2-12	2 1/2-12	3-12	3 1/2-12
SAE 45° Flare Thread	9/16-24	3/8-24	7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1 1/8-12	1 1/4-12	1 1/2-12	1 5/8-12	1 7/8-12	2-12	2 1/2-12	3-12	3 1/2-12
SAE O-Ring Thread	9/16-24	3/8-24	7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1 1/8-12	1 1/4-12	1 1/2-12	1 5/8-12	1 7/8-12	2-12	2 1/2-12	3-12	3 1/2-12
Flat-Face Thread	9/16-18	11/16-16	1 1/16-16	1 1/8-16	1 1/4-16	1 1/2-16	1 3/4-16	2-16	2 1/8-16	2 1/4-16	2 3/8-16	2 7/8-16	3 1/8-16	3 1/2-16	3 3/4-16	4-16
Inverted Flare Thread	9/16-28	3/8-24	7/16-24	1/2-20	9/16-18	3/4-18	7/8-18	1 1/8-16	1 1/4-16	1 1/2-16	1 5/8-16	1 7/8-16	2-16	2 1/8-16	2 1/4-16	2 3/8-16
Compression Thread	9/16-24	3/8-24	7/16-24	1/2-24	9/16-24	3/4-24	7/8-24	1 1/8-20	1 1/4-20	1 1/2-20	1 5/8-18	1 7/8-18	2-18	2 1/8-18	2 1/4-18	2 3/8-18
Code 61 Flange Head O.D.								1.19	1.335	1.50	1.75	2.00	2.38	2.81	3.31	4.00
Code 62 Flange Head O.D.								1.25	1.62	1.88	2.12	2.50	3.12			
BSP Thread	1/8-28	1/4-19	3/8-19	1/2-14	5/8-14	3/4-14	7/8-14	1-11	1 1/8-11	1 1/4-11	1 1/2-11	1 5/8-11	1 7/8-11	2-11	2 1/8-11	2 1/4-11
BSP T Thread	1/8-28	1/4-19	3/8-19	1/2-14	5/8-14	3/4-14	7/8-14	1-11	1 1/8-11	1 1/4-11	1 1/2-11	1 5/8-11	1 7/8-11	2-11	2 1/8-11	2 1/4-11
Japanese Pipe Tapered Thread	1/8-28	1/4-19	3/8-19	1/2-14	5/8-14	3/4-14	7/8-14	1-11	1 1/8-11	1 1/4-11	1 1/2-11	1 5/8-11	1 7/8-11	2-11	2 1/8-11	2 1/4-11
Japanese Flare Thread	1/8-28	1/4-19	3/8-19	1/2-14	5/8-14	3/4-14	7/8-14	1-11	1 1/8-11	1 1/4-11	1 1/2-11	1 5/8-11	1 7/8-11	2-11	2 1/8-11	2 1/4-11
Copper/Nylon Air Brake Thread	7/16-24	1 1/8-20	1 1/4-18	1 1/2-18	1 3/4-18	2-18	2 1/8-18	2 1/4-18	2 3/8-18	2 7/8-18	3 1/8-18	3 1/2-18	3 3/4-18	4-18	4 1/4-18	4 1/2-18
METRIC (mm)	8	10	12	14	16	18	20	22	24	26	30	33	36	42	45	52
MDL	M10X1.0	M12X1.5	M14X1.5	M16X1.5	M18X1.5	M20X1.5	M22X1.5	M24X1.5	M26X1.5	M30X2.0	M36X2.0	M42X2.0	M45X2.0	M52X2.0	M58X2.0	M62X2.0
MDH	M16X1.5	M18X1.5	M20X1.5	M22X1.5	M24X1.5	M26X1.5	M30X1.5	M33X1.5	M36X1.5	M42X1.5	M45X1.5	M52X1.5	M58X1.5	M62X1.5	M70X1.5	M76X1.5
Komatsu	M18X1.5	M20X1.5	M22X1.5	M24X1.5	M26X1.5	M30X1.5	M33X1.5	M36X1.5	M42X1.5	M45X1.5	M52X1.5	M58X1.5	M62X1.5	M70X1.5	M76X1.5	M84X1.5
French	M20X1.5	M22X1.5	M24X1.5	M26X1.5	M30X1.5	M33X1.5	M36X1.5	M42X1.5	M45X1.5	M52X1.5	M58X1.5	M62X1.5	M70X1.5	M76X1.5	M84X1.5	M96X1.5

See male metric adapter threads.**

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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.

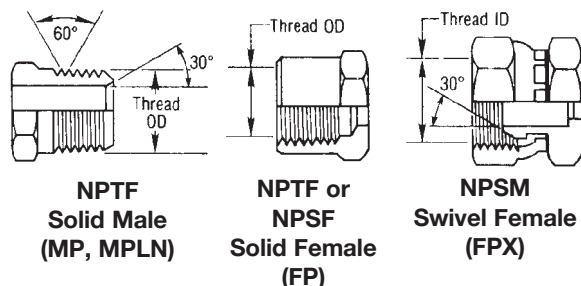
NPSF

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.

NPT Pipe Thread



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

*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.

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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.

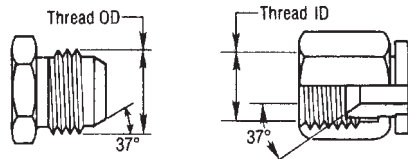
The JIC 37° flare male will mate with a JIC female only.* The JIC male has straight threads and a 37° flare seat. The JIC female has straight threads and a 37° flare seat. The seal is made on the 37° flare seat.

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).

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

JIC 37° Flare



JIC 37° Male (MJ)

JIC 37° Flare Female (FJX)

*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.

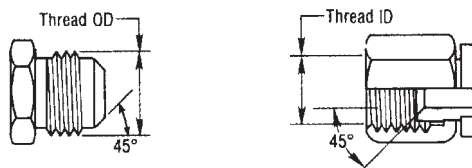
Some sizes have the same threads as the SAE 37° flare.

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).

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

SAE 45° Flare



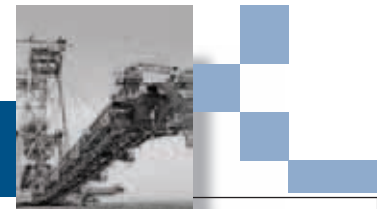
SAE 45° Flare Male (MS)

SAE 45° Flare Swivel Female (FSX)

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





Coupling Identification

North American Thread Types (con't.)

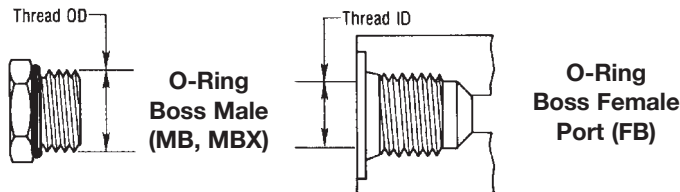
O-Ring Boss

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	31/32	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



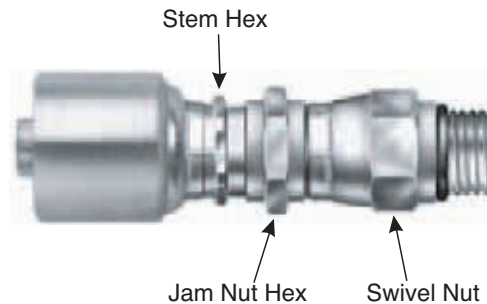
Gates Adapterless—MBAX

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.



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POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

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FIELD ATTACHABLE C5 COUPLINGS

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Coupling Identification

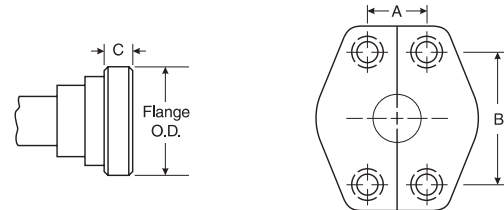
North American Thread Types (con't.)

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).
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	-	-	-	-	-	-	-	-

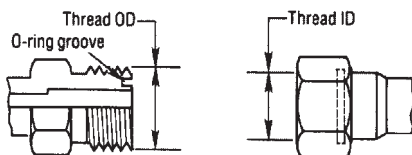
O-Ring Face Seal (ORFS)—SAE J1453

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

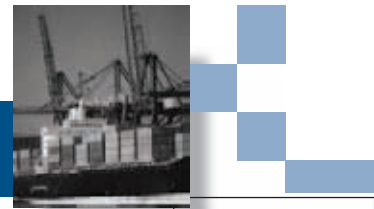


Male Flat-Face O-Ring (MFFOR)

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





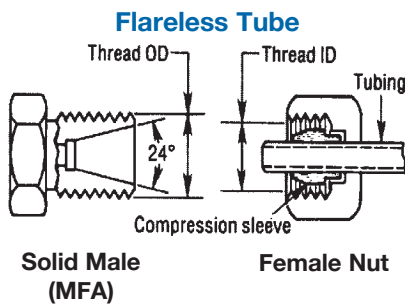
Coupling Identification

North American Thread Types (con't.)

Flareless Tube

The flareless solid male will mate with a female flareless nut and compression sleeve only.

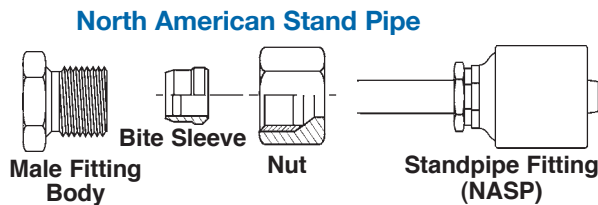
The male has straight threads and a 24° seat. The female has straight threads and has a compression sleeve for a sealing surface. The seal is made between the compression sleeve and the 24° seat on the male, and between the compression sleeve and the tubing on the female.



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.

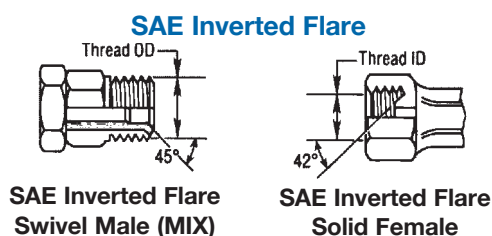


Dash Size	Tube O.D. (In.)	Tube Length (In.)
-4	0.25	0.88
-6	0.38	0.88
-8	0.50	1.00
-12	0.75	1.16
-16	1.00	1.12

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

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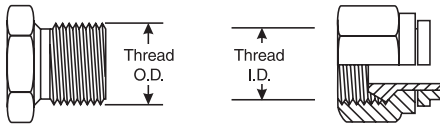
EQUIPMENT AND PARTS

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.

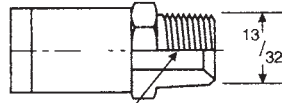


Male Air Brake Female Air Brake Swivel

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

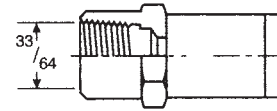
Grease Fittings

Special Male Grease Fitting



1/8-27 Pipe Thread

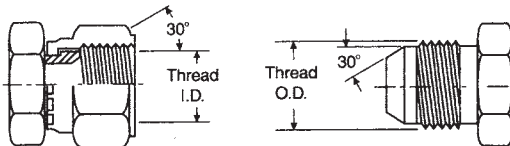
Special Female Grease Fitting



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

Press-Lok® Connectors

Press-Lok style connectors are found on mining equipment worldwide.

The seal is made when the O-ring on the male contacts the inside surface of the female. The two connectors are held together with a staple.

Press-Lok Connectors



Male Press-Lok Connectors

Female Press-Lok Connectors

Dash Size	Nominal Size (in.)	Female I.D. (in.)	Male O.D. (in.)
-4	1/4	.39	.40
-6	3/8	.55	.56
-8	1/2	.70	.71
-12	3/4	.94	.95
-16	1	1.22	1.23
-20	1-1/4	1.49	1.50

For more information and specifications on these couplings, please see the Gates Mining Products Catalog #99993 or visit www.gates.com/mining.





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.

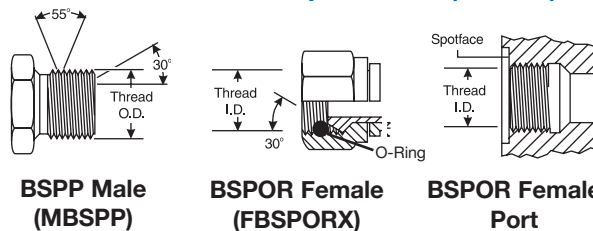
The BSPP (parallel) male will mate with a BSPOR (parallel) female or a female port.

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)



British Standard Pipe Tapered

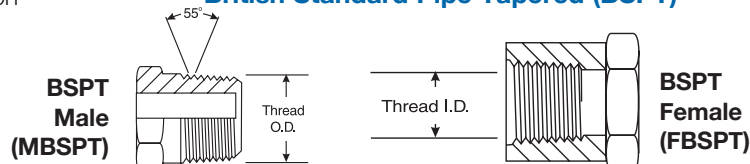
The BSPT (tapered) male will mate with a BSPT (tapered) female, or a BSPOR (parallel) female.

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)



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Coupling Identification

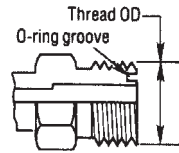
Foreign Thread Types – British (con't.)

British Flat-Face Seal

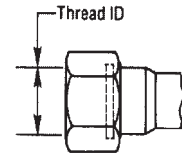
A seal is made when the O-ring in the male contacts the flat face on the female. These couplings are intended for hydraulic systems where elastomeric seals are acceptable to overcome leakage and leak resistance is crucial.

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°

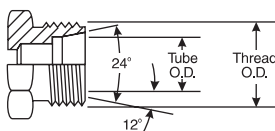
The French Metric (GAZ) male will mate with the female 24° cone or the female tube fitting.

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.

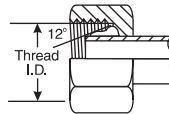
When measuring the flare angle with the seat angle gauge, use the 12° gauge. The seat angle gauge measures the angle from the connector centerline.

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	4.0	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

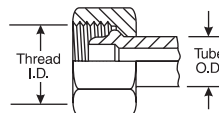
French Metric (GAZ)



Male 24° Cone



Female 24° Cone



Female Tube Fitting





Coupling Identification

Foreign Thread Types – French (con't.)

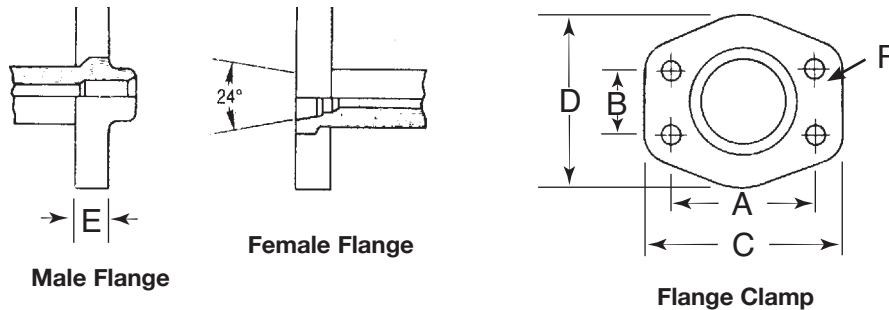
GAZ Poclairn 24° Flange

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.

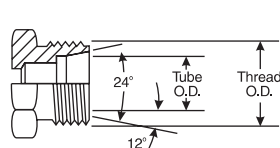
The male has a 24° seat, straight metric threads, and a recessed counterbore which matches the tube O.D. of the coupling used with it. The mating female is a 24° cone with O-ring, a metric tube fitting or a universal 24° and 60° cone.

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.)

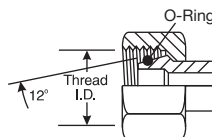
When measuring the flare angle with the seat angle gauge, use the 12° gauge. The seat angle gauge measures the angle from the connector centerline.

Metric Thread Size	Thread		Tube O.D.		Torque Recommendation (Ft. Lbs.)	
	I.D. (mm)	O.D. (mm)	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

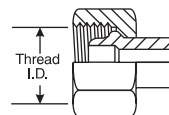
DIN 24° Male and Mating Females



Male 24° Cone, DIN 2353 (MDL/MDH)



Female 24° Cone with O-Ring (FDLORX/FDHORX)



Female Universal 24° and 60° Cone (FDLX/FDHX)



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FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

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Coupling Identification

Foreign Thread Types – German DIN (con't.)

DIN 60° Cone

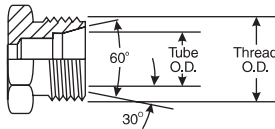
The DIN 60° cone male will mate with the female universal 24° or 60° cone connector only.

The male has a 60° seat and straight metric threads. The female has a 24° and 60° universal seat and straight metric threads.

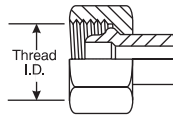
When measuring the flare angle with the seat angle gauge, use the 30° gauge. The seat angle gauge measures the angle from the connector centerline.

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





Coupling Identification

Foreign Thread Types – German DIN (con't.)

DIN 3852 Couplings Type A & B (Parallel Threads)

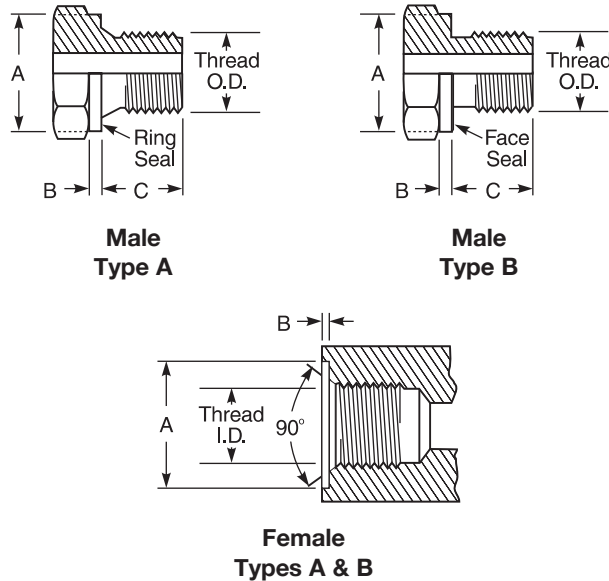
The male DIN 3852 Type A & B couplings will mate with the female DIN coupling shown below. Gates offers this thread as an adapter.

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)
L Light	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
	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
S Heavy	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
	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
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	

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Coupling Identification

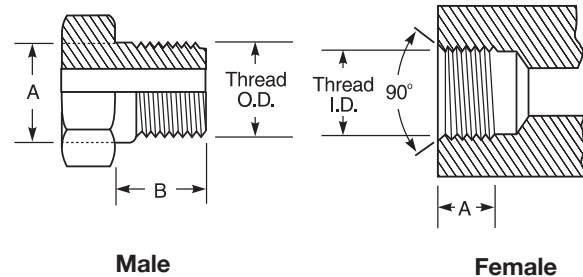
Foreign Thread Types – German DIN (con't.)

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

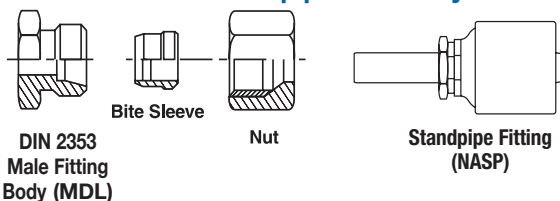


Series	Tube O.D. (mm)	Metric Tapered Threads						Whitworth Tapered Threads					
		Thread Size	Female		Male		Thread Size	Female		Male			
			Thread I.D. (mm)	A (mm)	Thread O.D. (mm)	A (mm)		B (mm)	Thread I.D. (In.)	A (mm)	Thread O.D. (In.)	A (mm)	B (mm)
LL Extra Light	4	8x1.0	6.5	5.5	8	8.40	8	1/8-28	11/32	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
S Heavy	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
	15	18x1.5	16.5	8.5	18	18.53	12	1/2-14	3/4	8.5	1/2	.839	14
S Heavy	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
S Heavy	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
S Heavy	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 Standpipe Assembly



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	—





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.

- 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.**
- 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.

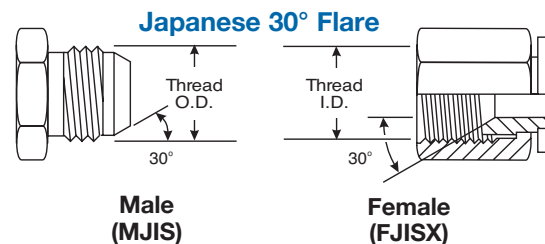
Japanese 30° Flare Parallel Threads

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



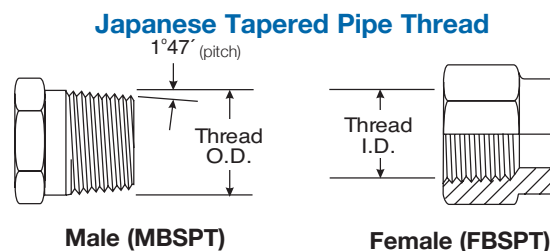
Japanese Tapered Pipe Thread

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



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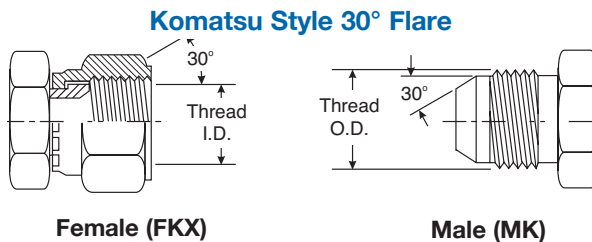
Foreign Thread Types – Japanese (con't.)

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)			
-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

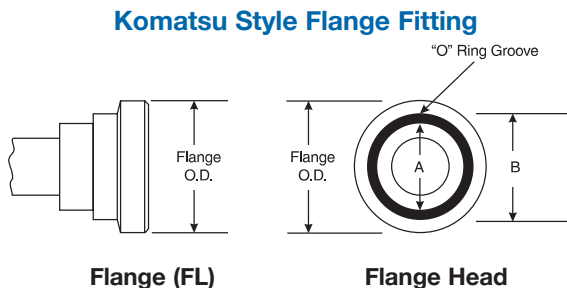
The Komatsu style connector seals on the 30° flare.



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

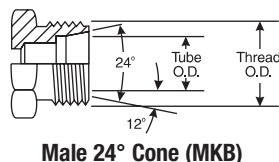


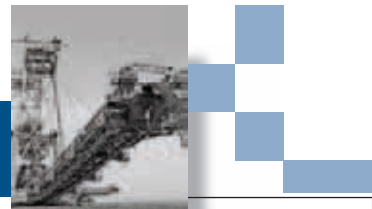
*(-10 is a non-SAE size flange)

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

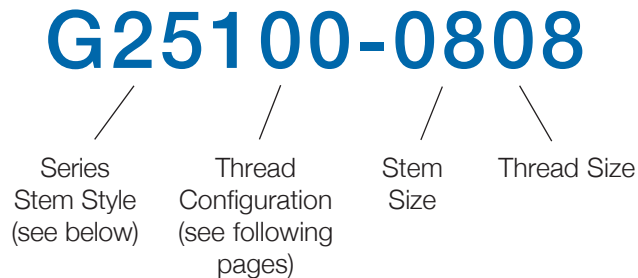




Gates Global Part Numbering System

Gates couplings feature a meaningful part number that makes coupling identification fast and easy. Always refer to Gates Crimp Data Charts 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.



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

EQUIPMENT

HOSE/CPLG.
SELECTION

GLOBALSPIRAL
COUPLINGS

PCM/PCS
FERRULES

MEGACRIMP
COUPLINGS

POWER
CRIMP
COUPLINGS

LOW
PRESSURE
COUPLINGS

POLARSEAL
COUPLINGS

C14
COUPLINGS

PCTS
THERMO-
PLASTIC
COUPLINGS

FIELD
ATTACHABLE
G1 & G2
COUPLINGS

FIELD
ATTACHABLE
C5
COUPLINGS

SURELOK AIR
BRAKE
COUPLINGS

QUICK
DISCONNECT
COUPLERS

NEW BALL
VALVES

ACCESSORIES

EQUIPMENT
AND PARTS





Hose & Coupling Section

Gates Global Part Numbering System

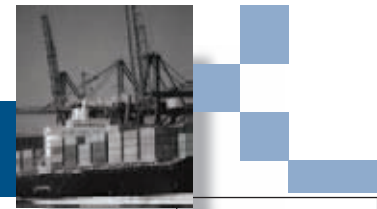
Thread Configurations for Stem Styles

These three-digit numbers identify the various coupling thread configurations

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBAL SPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLAR SEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

100 — MP	Male Pipe (NPTF - 30° Cone Seat)	177 — FJX60	Female JIC 37° Flare Swivel - 60° Bent Tube
101 — MPLN	Male Pipe Long Nose	178 — FJX60L	Female JIC 37° Flare Swivel - 60° Bent Tube Long Drop
102 — MPAPI	Male Pipe for API Unions	179 — FJX90S	Female JIC 37° Flare Swivel - 90° Bent Tube Short Drop
103 — MPLH	Male Pipe Long Hex	180 — FJX90M	Female JIC 37° Flare Swivel - 90° Bent Tube
105 — MPX	Male Pipe Swivel (NPTF - Without 30° Cone Seat)	181 — FJX90L	Female JIC 37° Flare Swivel - 90° Bent Tube Long Drop
106 — MPX90	Male Pipe Swivel - 90° Block (NPTF - Without 30° Cone Seat)	182 — FJX90XL	Female JIC 37° Flare Swivel - 90° Bent Tube Extra Long Drop
107 — MPX90L	Male Pipe Swivel - 90° Block Long (NPTF - Without 30° Cone Seat)	183 — FJX90-000	Female JIC 37° Flare Swivel - 90° Bent Tube Non-ISO Drop (mm)
110 — FP	Female Pipe (NPTF - Without 30° Cone Seat)	185 — FJXP	Female JIC 37° Flare Swivel Under Pressure
111 — FPX	Female Pipe Swivel (NPSM - 30° Cone Seat)	187 — FJX90BLK	Female JIC 37° Flare Swivel - 90° Block
112 — FPXT	Female Pipe Swivel Tapered Threads (NPTF)	195 — MS	Male SAE 45° Flare
120 — MB	Male O-Ring Boss	196 — MS45	Male SAE 45° Flare - 45° Bent Tube
121 — MBX	Male O-Ring Boss Swivel	197 — MS90	Male SAE 45° Flare - 90° Bent Tube
122 — MBX45	Male O-Ring Boss Swivel - 45° Block	199 — MS90BLK	Male SAE 45° Flare - 90° Block
123 — MBX90	Male O-Ring Boss Swivel - 90° Block	200 — FSX	Female SAE 45° Flare Swivel
124 — MBX90L	Male O-Ring Boss Swivel - 90° Block Long	201 — FSXLT	Female SAE 45° Flare Swivel Long Tube
130 — MBAX	Male O-Ring Boss Adapterless Swivel	202 — FSX45	Female SAE 45° Flare Swivel - 45° Bent Tube
133 — MBAX45	Male O-Ring Boss Adapterless Swivel - 45° Bent Tube	203 — FSX45L	Female SAE 45° Flare Swivel - 45° Bent Tube Long Drop
134 — MBAX90M	Male O-Ring Boss Adapterless Swivel - 90° Bent Tube Medium Drop	204 — FSX90S	Female SAE 45° Flare Swivel - 90° Bent Tube Short Drop
135 — MBAX90S	Male O-Ring Boss Adapterless Swivel - 90° Bent Tube Short Drop	205 — FSX90	Female SAE 45° Flare Swivel - 90° Bent Tube
136 — MBAX90L	Male O-Ring Boss Adapterless Swivel - 90° Bent Tube Long Drop	206 — FSX90L	Female SAE 45° Flare Swivel - 90° Bent Tube Long Drop
140 — FMX	Female MegaSeal® Swivel	207 — FSX90XL	Female SAE 45° Flare Swivel - 90° Bent Tube Extra Long Drop
141 — FMXL	Female MegaSeal Swivel Long	210 — FJSX	Dual Seat Female JIC 37°/SAE 45° Flare Swivel
142 — FMX30	Female MegaSeal Swivel - 30° Bent Tube	211 — FJSX45	Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube
143 — FMX30L	Female MegaSeal Swivel - 30° Bent Tube Long Drop	212 — FJSX90	Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube
144 — FMX45S	Female MegaSeal Swivel - 45° Bent Tube Short Drop	213 — FJSX90L	Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube Long Drop
145 — FMX45	Female MegaSeal Swivel - 45° Bent Tube	225 — MFFOR	Male Flat-Face O-Ring
146 — FMX45L	Female MegaSeal Swivel - 45° Bent Tube Long Drop	226 — MFFORBKHDLN	Male Flat-Face O-Ring Bulkhead Long Nose
147 — FMX60	Female MegaSeal Swivel - 60° Bent Tube	229 — FFORXS	Female Flat-Face O-Ring Swivel Short
148 — FMX60L	Female MegaSeal Swivel - 60° Bent Tube Long Drop	230 — FFORX	Female Flat-Face O-Ring Swivel
149 — FMX90S	Female MegaSeal Swivel - 90° Bent Tube Short Drop	231 — FFORXL	Female Flat-Face O-Ring Swivel Long
150 — FMX90	Female MegaSeal Swivel - 90° Bent Tube	234 — FFORX45S	Female Flat-Face Swivel - 45° Bent Tube Short Drop
151 — FMX90L	Female MegaSeal Swivel - 90° Bent Tube Long Drop	235 — FFORX45	Female Flat-Face Swivel - 45° Bent Tube
152 — FMX90XL	Female MegaSeal Swivel - 90° Bent Tube Extra Long Drop	239 — FFORX90S	Female Flat-Face Swivel - 90° Bent Tube Short Drop
165 — MJ	Male JIC 37° Flare	240 — FFORX90M	Female Flat-Face Swivel - 90° Bent Tube
166 — MJL	Male JIC 37° Flare Long	241 — FFORX90L	Female Flat-Face Swivel - 90° Bent Tube Long Drop
167 — MJ90BLK	Male JIC 37° Flare - 90° Block	242 — FFORX90XL	Female Flat-Face Swivel - 90° Bent Tube Extra Long Drop
170 — FJX	Female JIC 37° Flare Swivel	248 — FFORX135	Female Flat-Face Swivel - 135° Bent Tube
171 — FJXL	Female JIC 37° Flare Swivel Long	300 — FL	Code 61 O-Ring Flange
172 — FJX30	Female JIC 37° Flare Swivel - 30° Bent Tube	301 — FLL	Code 61 O-Ring Flange Long
173 — FJX30L	Female JIC 37° Flare Swivel - 30° Bent Tube Long Drop	302 — FL22	Code 61 O-Ring Flange - 22-1/2° Bent Tube
174 — FJX45S	Female JIC 37° Flare Swivel - 45° Bent Tube Short Drop	304 — FL30	Code 61 O-Ring Flange - 30° Bent Tube
175 — FJX45	Female JIC 37° Flare Swivel - 45° Bent Tube	305 — FL30L	Code 61 O-Ring Flange - 30° Bent Tube Long Drop
176 — FJX45L	Female JIC 37° Flare Swivel - 45° Bent Tube Long Drop		





Gates Global Part Numbering System

Thread Configurations – continued

306 —FL45S Drop	Code 61 O-Ring Flange - 45° Bent Tube Short Drop	416 —FLC90L	Caterpillar Style O-Ring Flange (Code 62) - 90° Bent Tube Long Drop
307 —FL45	Code 61 O-Ring Flange - 45° Bent Tube	450 —TBFL	Two Bolt Flange (Code 61)
309 —FL60	Code 61 O-Ring Flange - 60° Bent Tube	452 —TBFL45	Two Bolt Flange (Code 61) - 45° Bent Tube
310 —FL60L	Code 61 O-Ring Flange - 60° Bent Tube Long Drop	454 —TBFL90	Two Bolt Flange (Code 61) - 90° Bent Tube
311 —FL67	Code 61 O-Ring Flange – 67-1/2° Bent Tube	460 —ABC	Air Brake Compression
312 —FL67L	Code 61 O-Ring Flange – 67-1/2° Bent Tube Long Drop	461 —STA	Straight Tube Assembly
313 —FL90XS	Code 61 O-Ring Flange - 90° Bent Tube Extra Short Drop	470 —FPFL	French Poclain Flange
314 —FL90S	Code 61 O-Ring Flange - 90° Bent Tube Short Drop	500 —MIX	SAE Male Inverted Swivel
315 —FL90	Code 61 O-Ring Flange - 90° Bent Tube	501 —MIXL	SAE Male Inverted Swivel Long
316 —FL90L	Code 61 O-Ring Flange - 90° Bent Tube Long Drop	502 —MIX45	SAE Male Inverted Swivel - 45° Bent Tube
317 —FL90XL	Code 61 O-Ring Flange - 90° Bent Tube Extra Long Drop	504 —MIX90	SAE Male Inverted Swivel - 90° Bent Tube
318 —FL90XXL	Code 61 O-Ring Flange - 90° Bent Tube Extra Extra Long Drop	506 —MIX120	SAE Male Inverted Swivel - 120° Bent Tube
323 —FL100	Code 61 O-Ring Flange - 100° Bent Tube	508 —FI	Female Inverted
325 —FL110	Code 61 O-Ring Flange - 110° Bent Tube	510 —MFA	SAE Male Flareless Assembly
327 —FL120	Code 61 O-Ring Flange - 120° Bent Tube	511 —MFA90	SAE Male Flareless - 90° Bent Tube
329 —FL125	Code 61 O-Ring Flange - 125° Bent Tube	520 —SP	Stand Pipe
331 —FL135	Code 61 O-Ring Flange - 135° Bent Tube	521 —SPL	Stand Pipe Long
342 —RFL905	Reuseable Flange - 90° Special	522 —SP45	Stand Pipe - 45° Bent Tube
350 —FLH	Code 62 O-Ring Flange Heavy	524 —SP90	Stand Pipe - 90° Bent Tube
351 —FLHL	Code 62 O-Ring Flange Heavy Long	527 —FBO	Female Braze-On Stems
352 —FLH22	Code 62 O-Ring Flange Heavy – 22-1/2° Bent Tube	530 —PL	Male Press-Loc Stems
354 —FLH30 Tube	Code 62 O-Ring Flange Heavy - 30° Bent Tube	531 —PL45	Male Press-Loc Stems - 45° Bent Tube
357 —FLH45 Tube	Code 62 O-Ring Flange Heavy - 45° Bent Tube	532 —PL90	Male Press-Loc Stems - 90° Bent Tube
358 —FLH45L	Code 62 O-Ring Flange Heavy - 45° Bent Tube Long Drop	535 —HLE	Hose Length Extender
359 —FLH60 Tube	Code 62 O-Ring Flange Heavy - 60° Bent Tube	536 —HLE45	Hose Length Extender - 45° Bent Tube
361 —FLH67	Code 62 O-Ring Flange Heavy – 67-1/2° Bent Tube	537 —HLE 90	Hose Length Extender - 90° Bent Tube
364 —FLH90S	Code 62 O-Ring Flange Heavy - 90° Bent Tube Short Drop	538 —HLESG	Hose Length Extender - Sight Glass
365 —FLH90 Tube	Code 62 O-Ring Flange Heavy - 90° Bent Tube	539 —HLET	Hose Length Extender - Tee
366 —FLH90L	Code 62 O-Ring Flange Heavy - 90° Bent Tube Long Drop	540 —FABX	Female Air Brake Swivel
367 —FLH90XL	Code 62 O-Ring Flange Heavy - 90° Bent Tube Extra Long Drop	541 —HLE180	Hose Length Extender - 180° Bent Tube
370 —FLFF	Flange Without O-Ring Groove (Code 62)	543 —TBFLX	Two Bolt Flange Swivel
400 —FLC	Caterpillar Style O-Ring Flange (Code 62)	560 —MPG	Male Special Grease Fitting
401 —FLCL	Caterpillar Style O-Ring Flange (Code 62) Long	561 —FG	Female Special Grease Fitting
402 —FLC22	Caterpillar Style O-Ring Flange (Code 62) - 22-1/2° Bent Tube	562 —FZX	Parker Triple Thread Female Swivel
404 —FLC30	Caterpillar Style O-Ring Flange (Code 62) - 30° Bent Tube	563 —PWX	Pressure Washer Swivel (Karcher)
407 —FLC45	Caterpillar Style O-Ring Flange (Code 62) - 45° Bent Tube	564 —BJF	Banjo (Ford Tractor)
409 —FLC60	Caterpillar Style O-Ring Flange (Code 62) - 60° Bent Tube	570 —MST	Male SAE 45° Flare - Straight Tube
411 —FLC67	Caterpillar Style O-Ring Flange (Code 62) - 67-1/2° Bent Tube	571 —MST45	Male SAE 45° Flare - 45° Bent Tube
415 —FLC90	Caterpillar Style O-Ring Flange (Code 62) - 90° Bent Tube	572 —MST90	Male SAE 45° Flare - 90° Bent Tube
		579 —FTON134SP45	Female SAE Tube O-Ring Nut Swivel w/R134A Service Port - 45° Bent Tube
		580 —MTON134SP	Male SAE Tube O-Ring Nut w/R134a Service Port
		581 — MTON134SP45	Male SAE Tube O-Ring Nut w/R134a Service Port - 45° Bent Tube
		582 — MTON134SP90	Male SAE Tube O-Ring Nut w/R134a Service Port - 90° Bent Tube
		583 — MTON	Male SAE Tube O-Ring Nut
		584 — MTON45	Male SAE Tube O-Ring Nut - 45° Bent Tube
		585 — MTON90	Male SAE Tube O-Ring Nut - 90° Bent Tube
		586 — FTONR12SP	Female SAE Tube O-Ring Nut Swivel w/R12 Service Port
		587 — FTONR12SP90	Female SAE Tube O-Ring Nut Swivel w/R12 Service Port- 90° Bent Tube
		588 —FTON134SP	Female SAE Tube O-Ring Nut Swivel w/R134a Service Port
		589 —FTON134SP90	Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube w/R134a Service Port

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





Hose & Coupling Section

Gates Global Part Numbering System

Thread Configurations – continued

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
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NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

590 —FTON	Female SAE Tube O-Ring Nut Swivel	751 —MSP45	Metric Stand Pipe - 45° Bent Tube
591 —FTON45	Female SAE Tube O-Ring Nut Swivel - 45° Bent Tube	752 —MSP90	Metric Stand Pipe - 90° Bent Tube
592 —FTON90	Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube	795 —MBSPT	Male British Standard Pipe Tapered / Japanese Tapered Thread
593 —FTOMN	Female SAE Tube O-Ring Metric Nut Swivel	800 —FBSPT	Female British Standard Pipe Tapered / Japanese Tapered Thread
594 —FTOMN45	Female SAE Tube O-Ring Metric Nut Swivel - 45° Bent Tube	810 —MBSPP	Male British Standard Pipe Parallel
595 —FTOMN90	Female SAE Tube O-Ring Metric Nut Swivel - 90° Bent Tube	811 —MBSPLN	Male British Standard Pipe Parallel Long Nose
596 —FTON90BL Block	Female SAE Tube O-Ring Nut Swivel - 90°	830 —FBSPORX	Female British Standard Parallel Pipe O-Ring Swivel
597 —MIO	Male Inverted O-Ring	831 —FBSPORX45	Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube
598 —MIO45	Male Inverted O-Ring - 45° Bent Tube	832 —FBSPORX90	Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube
599 —MIO90	Male Inverted O-Ring - 90° Bent Tube	845 —FBSPORX90BL	Female British Standard Parallel Pipe O-Ring Swivel - 90° Block
600 —MIOBKHD	Male Inverted O-Ring Bulkhead	847 —FBX90BLK	Female British Standard Pipe Parallel - 90° Block
601 —MIOBKHD45	Male Inverted O-Ring Bulkhead - 45° Bent Tube	850 —BSPBJ	BSPB Banjo
602 —MIOBKHD90	Male Inverted O-Ring Bulkhead - 90° Bent Tube	855 —FBFFX	Female British Flat-Face Swivel
604 —FTDON	Female Tube Dual O-Ring Nut Swivel	904 —MK	Male Komatsu
605 —FTDON45	Female Tube Dual O-Ring Nut Swivel - 45° Bent Tube	910 —FKX	Female Komatsu Style Japanese Metric Swivel
606 —FTDON90	Female Tube Dual O-Ring Nut Swivel - 90° Bent Tube	911 —FKX45	Female Komatsu Style Japanese Metric Swivel - 45° Bent Tube
607 —FTDOMN	Female Tube Dual O-Ring Metric Nut Swivel	913 —FKX90	Female Komatsu Style Japanese Metric Swivel - 90° Bent Tube
608 —FTDOMN45	Female Tube Dual O-Ring Metric Nut Swivel - 45° Bent Tube	930 —FJISX	Female Japanese Industrial Standard Swivel
609 —FTDOMN90	Female Tube Dual O-Ring Metric Nut Swivel - 90° Bent Tube	935 —MMFA	Male Metric Flareless Assembly
610 —FTON180	Female Tube O-Ring Nut Swivel 180°	947 —FSLTORSP	Female (Ford) Spring Lock "T" O-Ring Splicer
611 —MIO134SP	Male Inverted O-Ring w/R134a Service Port	948 —FSLSP	Female (Ford) Spring Lock Liquid Line Splicer
612 —MIO134SP45	Male Inverted O-Ring Bulkhead w/R134a Service Port - 45° Bent Tube	949 —MSL45	Male (Ford) Spring Lock - 45° Bent Tube
613 —MIO134SP90	Male Inverted O-Ring w/R134a Service Port - 90° Bent Tube	950 —MSL	Male (Ford) Spring Lock
614 —TORSP	Universal T-Splacers English Threads	951 —MSL90	Male (Ford) Spring Lock - 90° Bent Tube
615 —MDL	Male DIN Light Series 24° Inverted Cone	952 —FSL	Female (Ford) Spring Lock
645 —FDLORX	Female DIN Light Series O-Ring Swivel 24° Cone	953 —FSL90	Female (Ford) Spring Lock - 90° Bent Tube
650 —FDLORX45	Female DIN Light Series O-Ring Swivel 24° Cone - 45° Bent Tube	954 —R12SP	Hose Splicer w/R12 7/16-20 Thread Service Port
655 —FDLORX90	Female DIN Light Series O-Ring Swivel 24° Cone - 90° Bent Tube	955 —FSL45	Female (Ford) Spring Lock - 45° Bent Tube
670 —FDFFX	Female DIN Flat-Face Swivel	956 —R134SP	Hose Splicer w/R134A Service Port
675 —MFG	Male French GAZ	957 —R134SPRL	Female Rotalok w/R134a Service Port - 90° Block
680 —FFGX	Female French GAZ Swivel	958 —CFTON90	Compressor Female Tube O-Ring Nut - 90° Bent Tube
685 —FFGX45	Female French GAZ Swivel - 45° Bent Tube	959 —CFTON90BL	Compressor Female Tube O-Ring Nut - 90° Block
690 —FFGX90	Female French GAZ Swivel - 90° Bent Tube	960 —CFTON134SP90BL	Compressor Female Tube O-Ring Nut w/R134A Service Port - 90° Block
715 —MDH	Male DIN Heavy Series 24° Inverted Cone	961 —CBSR12SP90	Compressor Pad Block - Single With Switch or Service Port
720 —FDHORX	Female DIN Heavy Series O-Ring Swivel 24° Cone	962 —CBSRR12SP90	Compressor Pad Block - Single Reversed With Switch or Service Port
725 —FDHORX45	Female DIN Heavy Series O-Ring Swivel 24° Cone - 45° Bent Tube		
730 —FDHORX90	Female DIN Heavy Series O-Ring Swivel 24° Cone - 90° Bent Tube		
735 —MKB	Metric Kobelco		
750 —MSP	Metric Stand Pipe		





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 31 100 - 08 08



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-MPX45	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	705 — MFA-MPSC	Male Flareless Assembly to Male Pipe Shut-Off Cock
135 — AB-AB-MP	Air Brake to Male Pipe - Tee Jump UP	710 — MP-FPSC	Male Pipe to Female Pipe Shut-Off Cock
136 — AB-AB-MP	Air Brake to Male Pipe - Tee Jump DOWN	715 — FP-FPSC	Female Pipe to Female Pipe Shut-Off Cock
138 — AB-AB-MPX45	Air Brake to Male Pipe - Tee - 45°	720 — MS-MPSC	Male SAE 45° Flare to Male Pipe Shut-Off Cock
140 — MPX-AB-AB	Male Pipe Swivel to Air Brake - Tee	730 — MS-MSSC	Male SAE 45° Flare to Male SAE 45° Flare Shut-Off Cock
142 — AB-AB-MPX	Air Brake to Male Pipe Swivel - Tee	801 — MP-ADC	Male Pipe Air Drain Cock
150 — AB-FP	Air Brake to Female Pipe	805 — FP-MPADC	Female Pipe to Male Pipe Air Drain Cock
151 — ABR-FP	Air Brake to Female Pipe with Adapter	832 — MP-ADCBN	Male Pipe Air Drain Cock – Bibb Nose
154 — AB-FP90	Air Brake to Female Pipe - 90°	850 — ATNKV	Air Tank Valve
160 — AB-AB-FP	Air Brake to Female Pipe - Tee	970 — AB-MAN	6-Port Manifold
167 — MP-AB-FP	Male Pipe to Air Brake to Female Pipe - Tee		
300 — AB-AB-BKHD	Air Brake Bulkhead		
301 — AB-AB-BKHDS	Air Brake Bulkhead – Short		

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

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SURELOK AIR BRAKE COUPLINGS

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NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



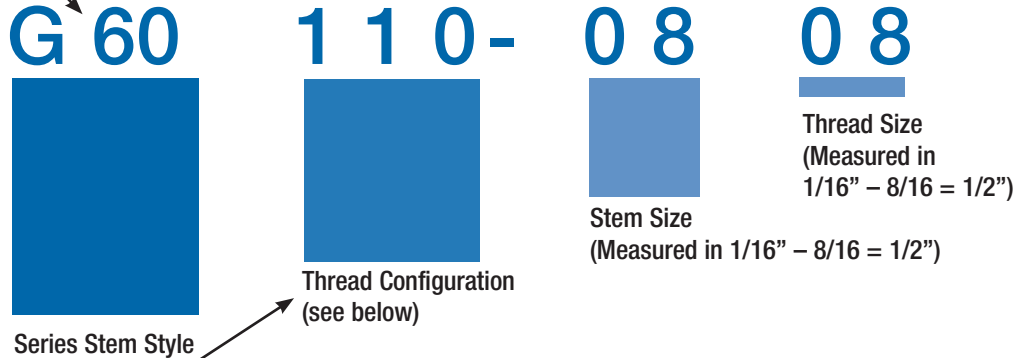
Hose & Coupling Section

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-MFFOR90 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°

- 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-MFFOR90 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°



Hose & Coupling Section



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 — MBSPPOR-PLUG	Male British Standard Pipe Parallel with O-Ring Plug
64095 — ORFBSP	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

EQUIPMENT

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GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

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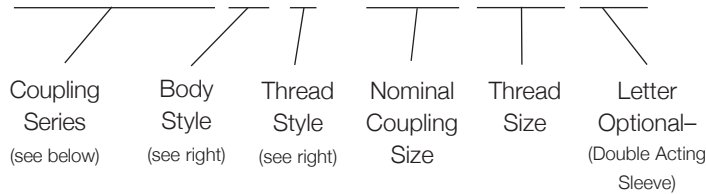
Hose & Coupling Section

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

G94021-0808 D



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

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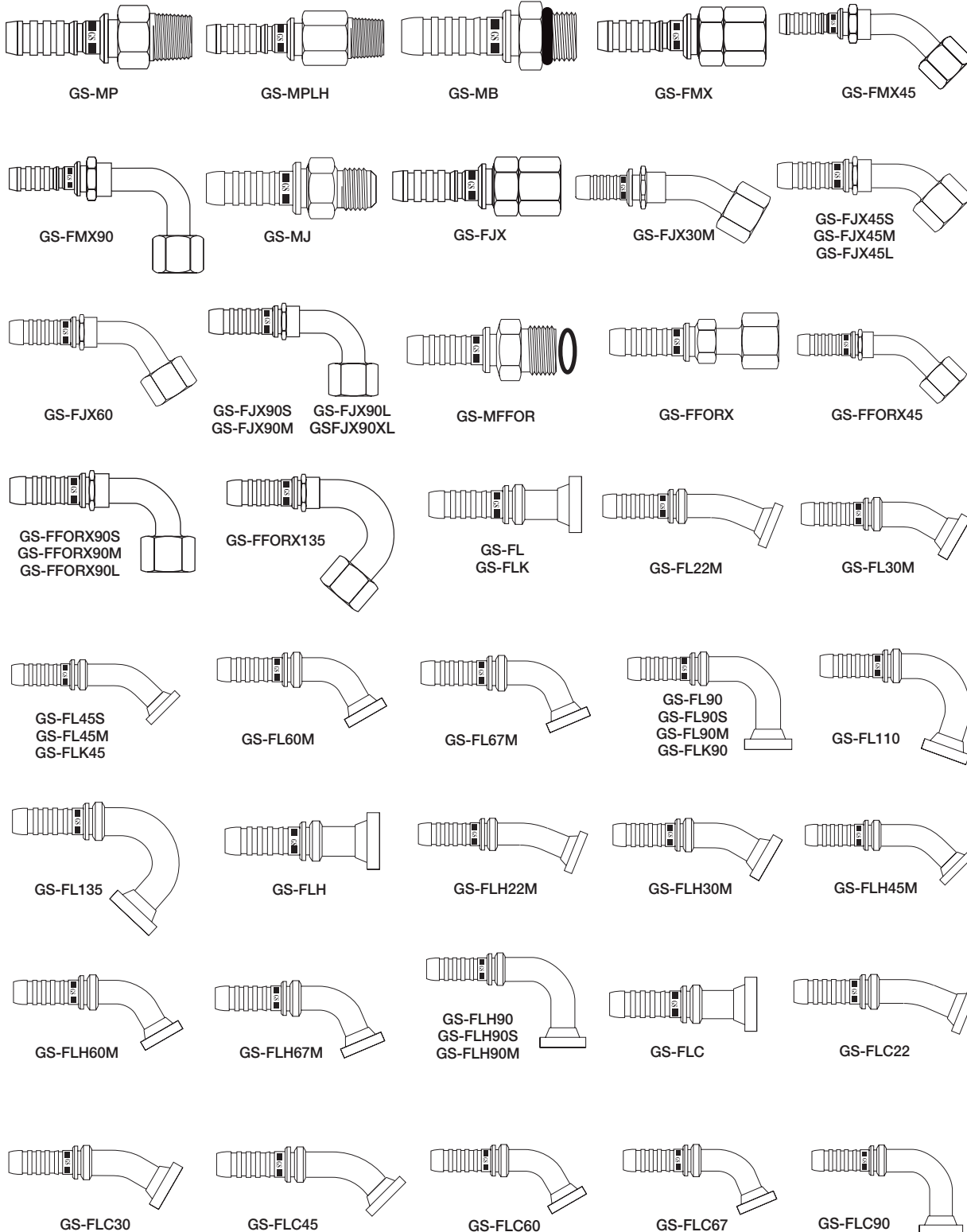




Coupling/Thread Configurations

GlobalSpiral™ (GS) Couplings

for EFG6K, G6K, EFG5K, G5K, EFG4K, G4K, EFG3K, and G3K Hose



EQUIPMENT

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CRIMP
COUPLINGS

LOW
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COUPLINGS

POLARSEAL
COUPLINGS

C14
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FIELD
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C5
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Hose & Coupling Section

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FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

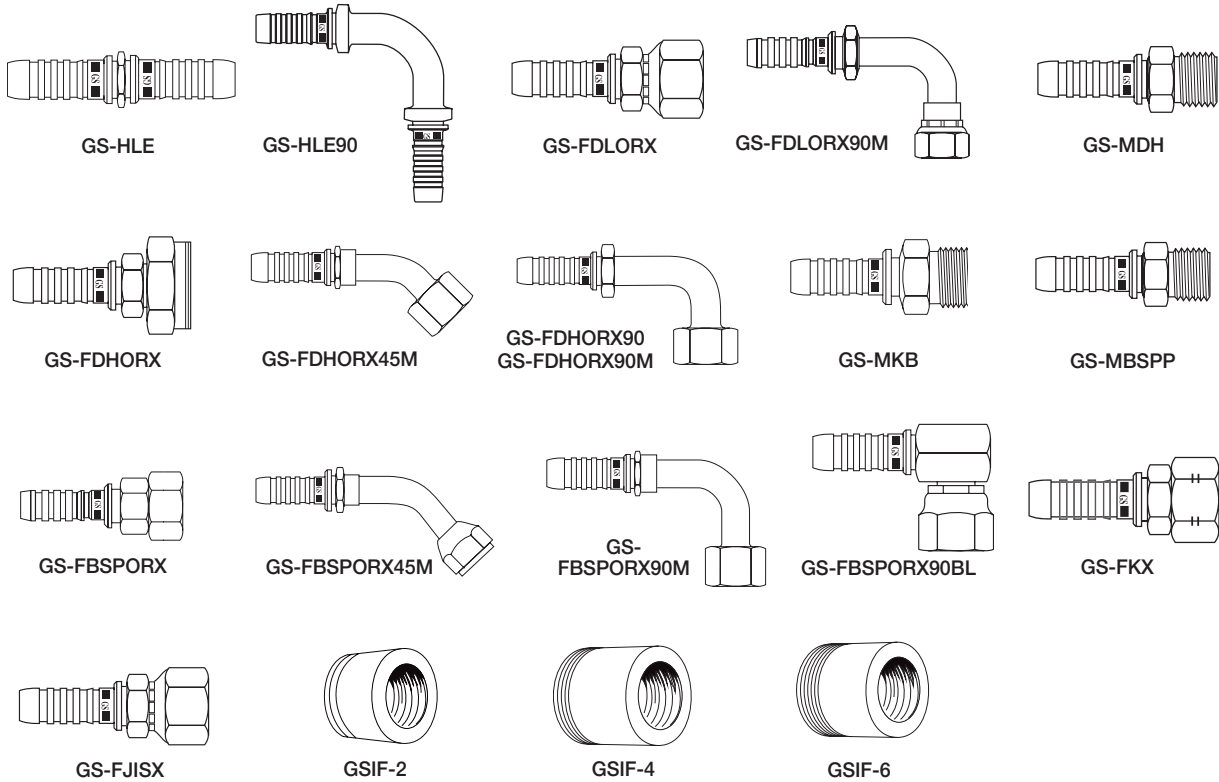
ACCESSORIES

EQUIPMENT AND PARTS

Coupling/Thread Configurations

GlobalSpiral™ (GS) Couplings

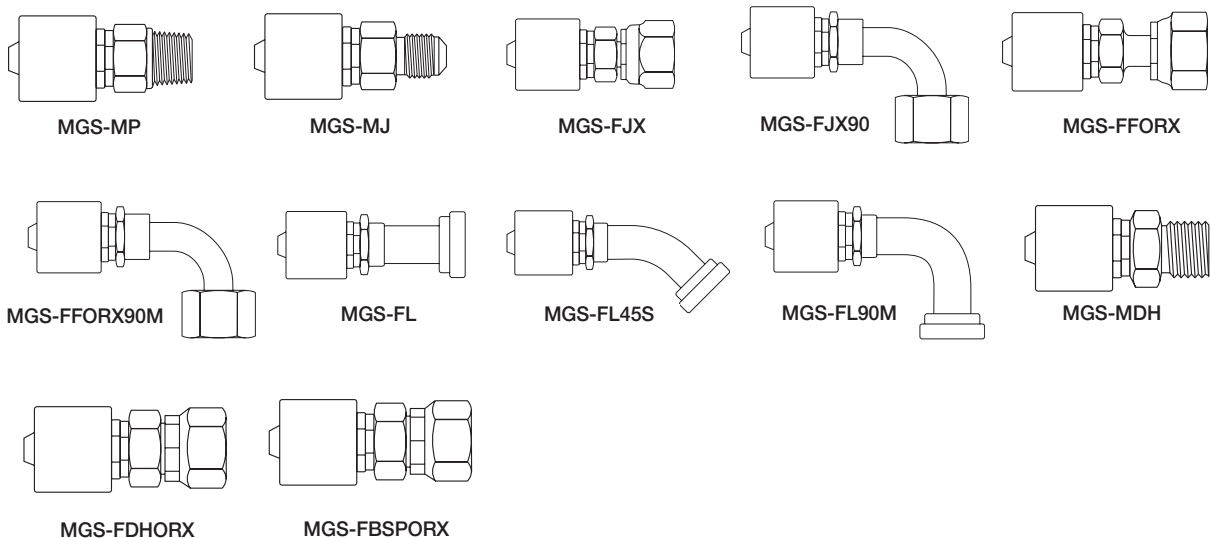
for EFG6K, G6K, EFG5K, G5K, EFG4K, G4K, EFG3K and G3K Hose (Continued)



GlobalSpiral™ (GS) Couplings –

One-Piece Couplings for Use with MobileCrimp® Crimpers

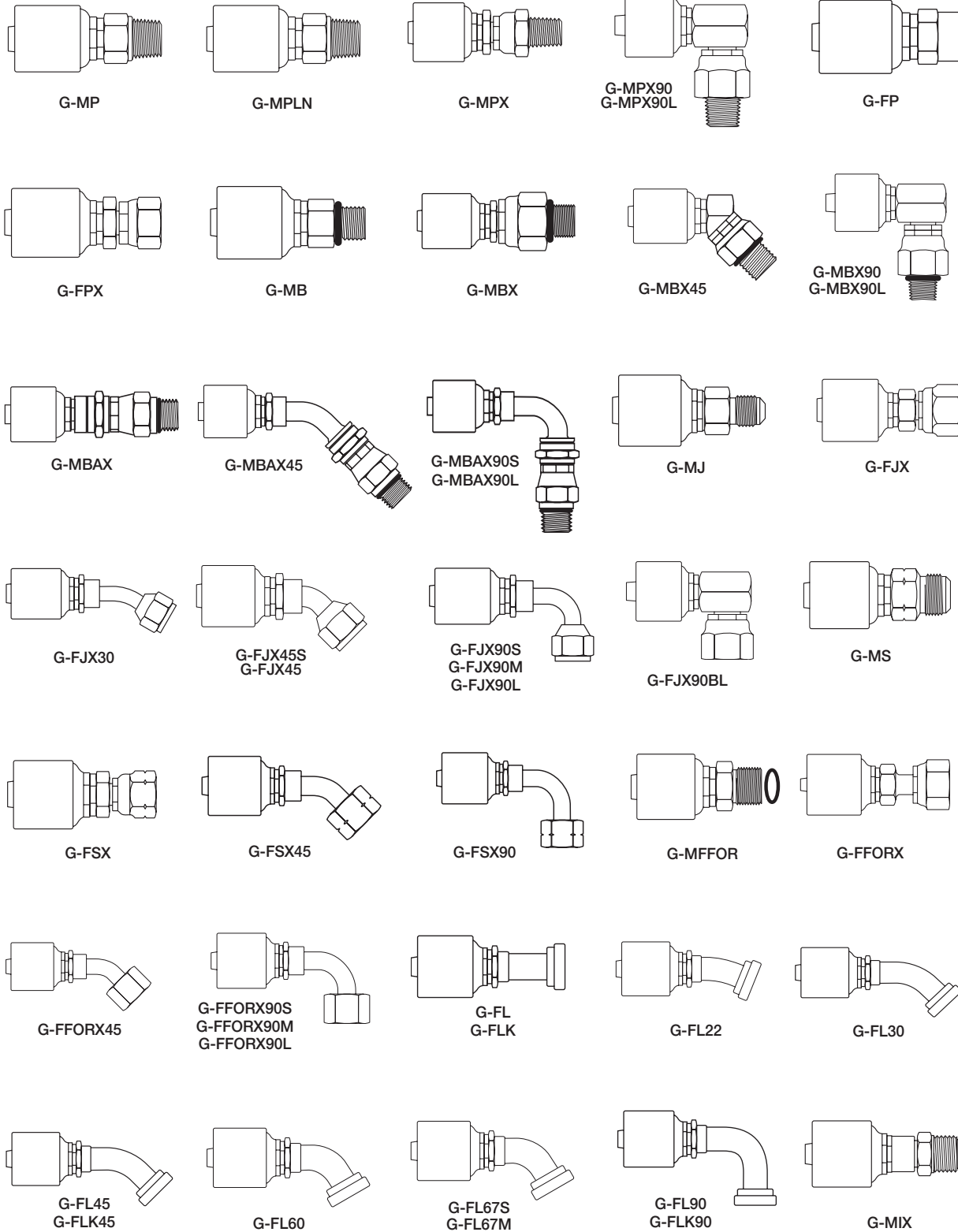
for EFG6K, G6K, EFG5K, G5K, EFG4K, G4K, EFG3K and G3K Hose



Hose & Coupling Section



MegaCrimp® Couplings for High and Medium Pressure Hoses



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COUPLINGS

PCM/PCS
FERRULES

MEGACRIMP
COUPLINGS

POWER
CRIMP
COUPLINGS

LOW
PRESSURE
COUPLINGS

POLARSEAL
COUPLINGS

C14
COUPLINGS

PCTS
THERMO-
PLASTIC
COUPLINGS

FIELD
ATTACHABLE
G1 & G2
COUPLINGS

FIELD
ATTACHABLE
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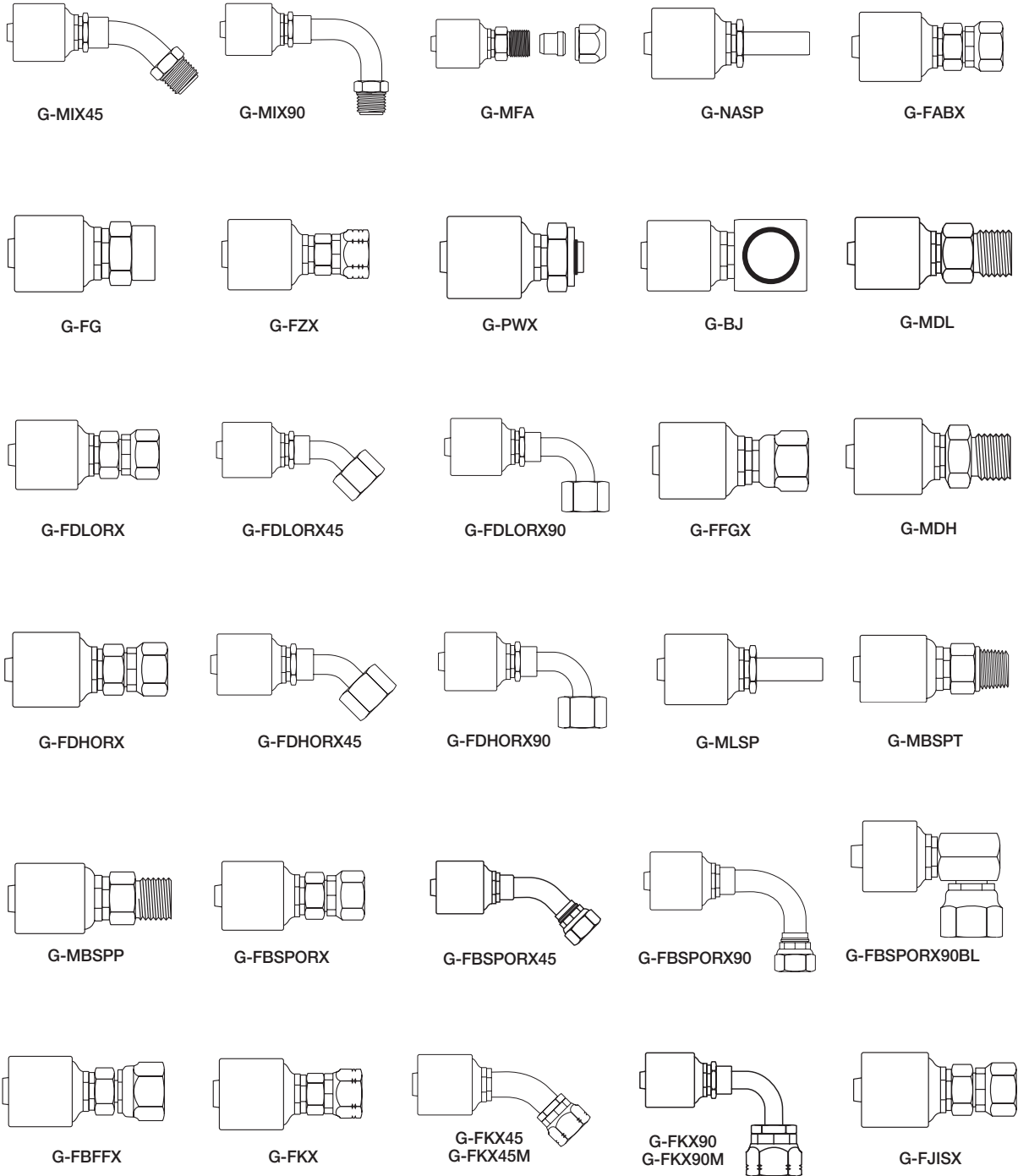
Hose & Coupling Section

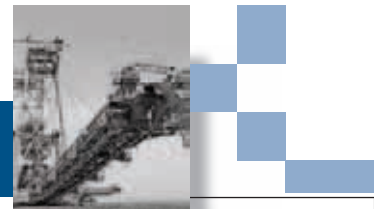
Coupling/Thread Configurations

MegaCrimp® Couplings

for High and Medium Pressure Hoses (Continued)

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GLOBALSPIRAL COUPLINGS
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POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
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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.

Rating Scale

- “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 Denver.

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

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Hose & Coupling Section

Chemical Resistance Table

EQUIPMENT	HOSE/CPLG. SELECTION	Rating Scale:		Gates Hose Polymers						Couplings & Adapters						
		1 Excellent		Trade Names												
		2 Good resistance		A	C	C ₂	J	Z	Carbon Steel		Stainless Steel 304		Stainless Steel 316			
		X Not recommended		Neoprene	Nitrile	Nitrile/PVC	CPE	Hypalon	Urethane (cover rating only)	PTFE	Nylon	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass
- Testing recommended		Chemical Name														
		A														
		Absorption Oil	2	1	2	1	2	-	1	1	-	-	-	-	1	
		Acetaldehyde	X	X	X	-	X	1	2	1	1	1	1	1	1	
		Acetamide	1	2	-	-	X	1	-	-	-	-	-	-	-	
		Acetic Acid, 5-20%	2	X	2	1	2	X	1	1	X	2	2	2	X	
		Acetic Acid, 25%	2	X	2	1	2	-	1	X	X	2	2	2	X	
		Acetic Acid, 30%	2	X	-	1	-	-	1	2	X	2	1	2	X	
		Acetic Acid, 50%	2	X	2	1	-	-	1	2	X	2	2	2	X	
		Acetic Acid, 50% Boiling	X	X	-	-	-	-	1	X	X	X	2	-	-	
		Acetic Acid, 80%	X	X	-	-	-	-	1	X	X	2	2	2	X	
		Acetic Acid, 80% Boiling	X	X	-	-	-	-	1	X	X	2	2	X	X	
		Acetic Acid, 100%	X	X	-	-	-	-	1	X	X	X	2	2	X	
		Acetic Acid, 100% Boiling	X	X	-	-	-	X	1	X	X	X	2	-	X	
		Acetic Acid, 100% (Hot) Vapors	2	2	-	-	-	-	-	X	X	X	2	2	X	
		Acetic Acid, Air Free	-	-	-	-	-	-	1	-	X	X	X	-	X	
		Acetic Acid, Anhydride	X	X	X	1	2	-	1	X	X	2	2	2	X	
		Acetic Acid, Areated	-	-	-	-	-	-	1	-	X	X	X	-	X	
		Acetic Acid, Crude	X	X	-	-	-	-	1	1	X	2	1	2	X	
		Acetic Acid, Glacial	X	X	X	1	X	X	1	X	X	2	2	2	-	
		Acetone (Dimethylketone)	X	X	X	1	X	X	1	1	1	1	1	1	1	
		Acetonitrile (Methyl Cyanide)	2	X	2	1	2	-	-	-	-	-	-	-	-	
		Acetylene	2	2	1	1	-	-	1	1	1	1	1	2	-	
		Acrylonitrile (Vinyl Cyanide)	X	X	X	1	X	-	-	-	1	1	1	2	1	
		Aero Lubriplate	1	1	-	-	-	-	-	-	1	1	1	1	-	
		Aero-Safe 2300	X	X	-	-	X	-	-	-	1	1	1	1	1	
		Aeroshell Type 1A, 1AC, 4	2	1	-	-	-	1	-	-	-	-	-	-	-	
		Aeroshell 7AGrease	2	1	-	-	X	-	-	1	1	1	1	-	-	
		Aeroshell 17 Grease	2	1	-	-	X	-	-	-	1	1	1	1	-	
		Aeroshell 750	X	2	-	-	X	-	-	1	1	1	1	-	-	
		Air, Ambient	1	1	1	1	1	1	1	1	1	1	1	1	1	
		Air, 150°F	1	1	1	1	1	1	1	1	1	1	1	1	1	
		Air, 180°F	2	2	2	1	2	2	1	1	1	1	1	1	1	
		Air, 200°F	X	X	X	1	X	2	1	2	1	1	1	1	1	
		Aircraft Hyd. Oil AA	-	1	-	-	-	-	-	-	1	1	1	1	1	
		Alcohol	1	1	-	-	-	-	1	-	1	1	1	1	1	
		Alcohol, Amyl	2	2	-	-	-	-	1	1	-	2	1	2	-	
		Alcohol, Benzyl	X	X	-	1	2	2	1	-	1	1	1	-	-	
		Alcohol, Butyl	2	X	2	-	2	1	1	1	1	1	1	1	1	
		Alcohol, Denatured	1	1	-	-	1	-	1	-	1	1	1	1	1	
		Alcohol, Diacetone	-	X	-	-	2	-	1	-	1	1	1	1	1	
		Alcohol, Ethyl (Ethanol)	1	1	1	1	1	2	1	1	1	1	1	2	-	
		Alcohol, Furfural	2	X	X	1	2	-	1	-	2	1	1	1	1	
		Alcohol, Hexyl (Hexanol)	2	1	-	-	X	-	1	-	1	1	1	2	-	
		Alcohol, Isobutyl	2	2	-	-	1	-	1	1	1	1	2	-	-	
		Alcohol, Isopropyl (Isopropanol)	2	2	2	-	2	1	1	1	1	1	1	2	-	
		Alcohol, Methyl (100%) (Methanol)	1	1	1	1	1	-	1	-	1	1	1	2	-	
		Alcohol, Methyl (6%)	1	1	1	-	1	-	1	-	1	1	1	2	-	
		Alcohol, Octyl	2	2	-	-	-	-	1	-	1	1	1	-	-	
		Alcohol, Propyl	1	1	-	-	-	-	1	X	2	1	1	1	1	
		Alkazine	X	X	X	-	X	X	-	-	1	1	-	-	-	
		Aluminum Chloride	1	1	1	1	1	2	1	X	X	2	2	X	X	
		Aluminum Fluoride	1	1	1	1	1	2	1	X	X	2	2	X	X	
		Aluminum Hydroxide	1	1	1	1	1	-	1	-	1	1	-	1	-	
		Aluminum Hydroxide, Saturated	1	1	-	-	-	-	1	-	1	1	-	-	-	
		Aluminum Nitrate	1	1	1	1	1	2	1	-	X	1	1	2	-	
		Aluminum Sulfate	1	1	1	1	1	X	1	1	X	X	2	X	X	
		Alums (Ammonium or Potassium)	1	1	1	1	1	-	1	-	X	2	2	X	X	
		Ammonia, Aqueous	1	2	1	-	1	-	1	-	1	1	-	X	-	
		Ammonium Carbonate	2	X	-	-	-	-	-	-	1	1	-	-	-	
		Ammonium Chloride, 1%	X	2	1	1	1	1	1	1	X	2	2	X	X	

○ Cover stock rating only; Rating for tube stock "X" *Use Gates fuel hose or contact Denver Product Applications Department.



Hose & Coupling Section



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Chemical Resistance Table

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended	Gates Hose Polymers							Couplings & Adapters					
	A C C ₂ J Z							Carbon Steel Stainless Steel 304 Stainless Steel 316 Aluminum Brass					
	Trade Names												
Chemical Name	Neoprene	Nitrile	Nitrile/PVC	CPE	Hypalon	Urethane (cover rating only)	PTFE	Nylon	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass
Hydrogen Chloride Gas	-	-	-	1	-	-	-	-	-	1	1	-	-
Hydrogen Cyanide Gas	-	-	-	-	-	-	-	-	-	-	-	1	-
Hydrogen Fluoride (Under 100°F)	-	X	-	-	-	-	1	-	2	2	1	-	-
Hydrogen Peroxide, Dilute	1	2	-	-	-	-	1	1	1	-	1	-	X
Hydrogen Peroxide, 10%	X	1	X	1	2	X	1	X	X	2	1	1	X
Hydrogen Peroxide, 30%	X	2	X	1	2	X	1	X	X	2	1	1	X
Hydrogen Peroxide, 70%	X	X	X	1	-	X	1	X	X	2	1	1	X
Hydrogen Peroxide, 90%	X	X	X	-	-	-	1	-	X	2	1	-	X
Hydrogen Sulfide	2	X	-	-	-	-	1	1	2	2	1	-	X
Hydrogen Sulfide Aqueous Solution	2	X	-	-	-	-	1	-	X	-	-	X	-
Hydrogen Sulfide, Gas	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrolyube, Water Glycol	2	1	-	-	-	X	1	-	1	1	1	-	1
Hydrolyube Oil, Houghton	-	2	-	-	-	2	1	1	-	-	-	-	-
Hydroquinone	X	-	-	-	X	-	1	-	-	1	1	2	-
Hykil No.6 (33%); Water (67%)	-	2	-	-	-	-	1	-	1	-	-	-	-
Hypochlorous Acid (Under 120°F)	X	X	X	-	2	-	1	1	2	2	2	X	-
Hypoid Grease (Parapoid 10-C)	-	1	-	-	-	-	1	-	-	-	-	-	-
I													
Imol, Imol S150, S220, S300, S500	-	1	-	-	-	2	1	1	1	1	1	1	-
Industron 53	-	1	-	-	-	-	1	-	-	-	-	-	-
Ink (Printers)	1	1	-	-	-	-	1	1	2	2	1	-	2
Ink Oil	-	2	-	-	-	-	1	-	1	1	1	-	1
Insulating Oil (Transformer)	2	1	2	-	X	-	1	-	1	1	1	-	1
Isobutyl Alcohol	2	2	2	1	-	-	1	1	1	1	1	2	2
Iodine (Under 100°F)	X	X	-	1	2	X	1	1	2	2	2	X	-
Iodine, In Alcohol	2	-	-	-	-	X	1	-	-	-	-	X	-
Iodine Pentafluoride	X	X	-	-	-	-	1	-	X	2	2	X	-
Isooctane	1	1	2	2	1	2	1	1	1	1	1	2	1
Isocetyl Thioglucolate	-	-	-	-	-	-	1	1	-	-	-	-	-
Isobutane - WET	X	X	-	-	-	X	1	X	X	1	1	2	1
Isopropyl Acetate	X	X	X	-	X	2	1	1	2	2	1	X	1
Isopropyl Alcohol (Isopropanol)	2	2	2	1	2	2	1	1	1	1	1	1	2
Isopropyl Ether	X	X	X	-	-	-	1	1	1	1	1	1	1
J													
Fuel JP-3 (Under 100°F)	②	1	②	-	X	2	1	1	1	1	1	2	1
Jet Fuel JP-4 (Under 100°F)	①	1	②	-	X	-	1	1	1	1	1	2	1
Jet Fuel JP-5	X	1	X	-	X	-	1	1	2	1	1	2	1
Jet Fuel JP-6	X	1	X	-	X	-	1	1	2	1	1	2	1
Jet Fuel JP-x	2	1	X	-	X	-	1	1	2	1	1	2	1
K													
Kerosene	X	1	②	1	X	-	1	1	1	1	1	1	1
Ketchup	1	1	-	-	-	-	1	1	-	1	1	-	-
Ketones	X	X	X	-	X	X	1	1	1	1	1	2	1
L													
Lacquer Solvents	X	X	X	-	X	2	1	1	X	2	1	1	1
Lacquers	X	X	X	-	X	-	1	1	X	X	1	1	1
Lactic Acid	1	X	X	-	1	X	1	-	X	2	1	X	2
Lactic Acid (5%)	2	1	-	-	-	-	1	1	X	2	1	1	X
Lactic Acid (5% Boiling)	X	X	-	-	-	-	1	-	X	2	1	2	X
Lactic Acid (10% Boiling)	X	X	-	-	-	-	1	-	X	2	1	X	X
Lactol	2	2	2	-	-	-	1	-	1	1	1	1	1
Lard	2	1	-	1	-	-	1	1	1	1	1	1	X
Lasso (Ag Spray)	-	-	-	-	-	-	1	1	-	1	1	-	-
Latex	1	1	-	-	X	-	1	1	1	1	1	1	1
Lead Acetate	X	X	-	1	2	1	1	-	2	2	2	X	1
Lead Arsenate	2	2	-	-	-	-	1	-	1	1	1	-	-
Lead Nitrate	2	2	-	-	1	1	1	-	1	2	2	-	-
Lead Sulfate	1	1	-	1	2	-	1	-	1	1	1	-	-

○ Cover stock rating only; Rating for tube stock "X"
*Use Gates fuel hose or contact Denver Product Applications Department.

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended	Gates Hose Polymers							Couplings & Adapters					
	A C C ₂ J Z							Carbon Steel Stainless Steel 304 Stainless Steel 316 Aluminum Brass					
	Trade Names												
Chemical Name	Neoprene	Nitrile	Nitrile/PVC	CPE	Hypalon	Urethane (cover rating only)	PTFE	Nylon	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass
Lead, Tetraethyl (Under 100°F)	X	2	X	-	X	-	1	2	-	-	-	-	-
Lead, Tetramethyl	X	2	X	-	X	1	1	-	-	-	-	-	-
Lecithin	2	X	-	-	-	-	1	-	-	1	1	-	-
Ligroin (Petroleum Ether, Under 120°F)	X	1	-	-	X	-	1	-	2	1	1	X	-
Lime (Chlorinated, Free Chlorine 20%)	-	1	-	1	-	1	-	-	-	-	2	-	-
Lime Bleach (Under 100°F)	X	2	X	-	X	-	-	-	X	2	1	-	-
Lime Sulphur	1	X	-	-	-	-	2	1	2	1	1	X	X
Lime Sulfur (Under 135°F)	1	X	X	-	2	-	2	1	2	1	1	X	X
Lindane (Ag Spray)	-	-	-	-	-	-	1	1	-	1	1	-	-
Linoleic Acid	X	2	X	-	-	-	1	-	X	2	1	1	-
Linseed Oil	X	1	-	-	-	-	1	1	1	1	1	2	2
Linseed Oil (Boiled)	2	2	1	1	1	1	1	-	2	1	1	1	2
Lubricating Oil (SAE 10, 20, 30, 40, 50)	2	2	-	-	-	-	1	1	1	1	1	1	1
Lubricating Oils (Diester, Under 135°F)	X	2	X	-	-	X	1	1	1	1	1	1	1
M													
Machine Oil (Under 135°F)	1	1	2	-	2	-	1	1	1	1	1	1	1
Magnesium Carbonate	1	1	1	-	1	1	1	-	2	2	2	1	-
Magnesium Chloride	1	1	1	1	1	1	1	1	X	2	1	X	2
Magnesium Hydroxide	2	2	2	1	1	X	1	-	1	1	1	X	X
Magnesium Nitrate	2	2	2	-	1	-	1	-	2	2	2	X	1
Magnesium Sulfate	2	2	2	1	1	1	1	1	2	2	2	2	2
Malathion (Ag Spray Dilute)	-	2	-	-	-	-	1	1	1	1	1	-	1
Maleic Acid	2	X	-	-	-	-	1	1	2	2	1	-	-
Malic Acid	-	-	-	-	-	-	1	-	2	2	1	-	-
Manganese Salts	-	1	1	-	1	-	1	-	-	-	-	-	-
Maxmul (Penzoil Hydraulic Fluid)	2	1	2	-	-	-	1	-	1	-	1	-	-
Mercuric Chloride	1	2	2	1	1	2	1	X	X	1	1	X	X
Mercuric Cyanide	1	2	2	-	1	-	-	-	2	2	2	X	-
Mercurous Nitrate (Under 120°F)	1	2	2	-	1	-	1	-	1	1	1	X	-
Mercury	1	2	2	1	1	2	1	1	1	1	1	X	X
Mesityl Oxide	X	X	X	2	X	X	1	-	1	1	1	1	1
Methane	2	1	-	-	-	-	1	-	-	1	1	-	-
Methoxychlor (Insecticide)	-	-	-	-	-	-	1	X	1	1	1	-	-
Methyl Acetate	X	X	X	1	X	-	-	1	1	1	1	1	1
Methyl Acrylate	X	X	X	-	X	-	1	-	1	1	1	1	1
Methyl Alcohol	1	1	1	1	-	-	1	1	1	1	1	1	2
Methyl Amine (25% Aqueous Solution)	2	X	-	-	-	-	1	-	1	1	1	1	-
Methyl Amine (60%)	2	2	-	-	-	-	1	2	1	1	1	1	2
Methyl Amine (99%)	X	X	-	-	-	-	1	-	1	1	1	1	X
Methyl Bromide	X	X	X	-	X	X	1	1	1	1	1	X	1
Methyl Butyl Ketone (MBK)	X	X	X	2	X	-	1	-	1	1	1	1	1
Methyl Cellosolve (Under 100°F)	2	X	-	1	X	-	1	-	2	2	2	2	1
Methyl Chloride	X	X	X	X	X	-	1	1	1	1	1	-	1
Methyl Ethyl Ketone (MEK)	X	X	X	2	X	X	1	1	1	1	1	2	1
Methyl Formate	2	X	X	-	X	-	1	-	2	1	1	1	1
Methyl Isobutyl Ketone (MIBK, 100°F)	X	X	X	2	X	X	1	1	1	1	1	1	1
Methyl Isopropyl Ketone	X	X	X	2	X	X	1	1	1	1	1	1	1
Methyl Methacrylate	X	X	X	2	2	-	1	-	2	2	2	-	-
Methyl Salicylate	2	2	2	-	-	-	1	-	1	1	1	1	1
Methyl Sulfate (Dimethyl, Under 100°F)	X	X	X	-	X	1	1	1	1	1	1	-	-
Methylene Chloride	X	X	X	X	X	-	1	X	1	1	1	X	1
Methylene Dichloride	X	X	X	-	-	-	1	1	1	1	1	X	1
Mineral Oil (Under 120°F)	1	1	1	1	1	1	1	1	1	1	1	2	1
Mineral Spirits	-	1	2	-	X	-	1	-	1	1	1	2	1





Hose & Coupling Section

Chemical Resistance Table

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Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended	Gates Hose Polymers						Couplings & Adapters					
	Trade Names											
	A	C	C, J	Z			Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass	
	Neoprene	Nitrile	Nitrile/PVC	CPE	Hypalon	Urethane <small>(cover rating only)</small>	PTFE	Nylon				
Chemical Name												
Potassium Chlorate	1	1	-	-	2	1	1	2	2	2	2	-
Potassium Chloride (1% To 5%)	1	1	-	1	-	2	1	1	2	2	X	X
Potassium Chloride (Boiling)	-	-	-	-	-	1	-	-	2	2	-	X
Potassium Cyanide	1	1	-	1	-	1	1	2	1	1	X	X
Potassium Dichromate	1	1	-	1	-	1	2	1	2	2	2	-
Potassium Ferrocyanide	-	-	-	-	-	1	-	-	2	1	1	2
Potassium Fluoride	-	-	-	-	-	1	-	-	-	-	-	-
Potassium Hydroxide	2	2	-	-	-	-	1	1	1	1	-	-
Potassium Hydroxide (5%)	1	1	-	-	-	1	1	2	2	2	X	X
Potassium Hydroxide (27% Boiling)	-	-	-	-	-	1	-	2	2	1	X	X
Potassium Hydroxide (30%, Caustic Potash)	-	-	-	1	-	-	1	-	-	-	-	-
Potassium Hydroxide (50% Boiling)	-	-	-	-	-	1	-	2	2	2	X	X
Potassium Hydroxide (70%)	-	X	-	-	-	1	-	-	-	X	X	-
Potassium Hydroxide (70% Hot)	-	-	-	-	-	1	-	X	-	-	X	X
Potassium Iodide	1	1	-	1	-	1	1	2	2	2	-	-
Potassium Nitrate	1	1	-	1	-	1	1	1	2	2	2	2
Potassium Nitrate (1% To 5%)	1	1	-	-	-	1	-	1	1	1	1	2
Potassium Permanganate	1	2	-	-	-	1	2	1	2	2	2	-
Potassium Permanganate (5%)	1	1	-	-	-	1	1	1	1	1	1	-
Potassium Persulfate	-	-	-	-	-	1	-	-	-	-	-	-
Potassium Phosphate	1	-	-	1	-	1	-	X	2	2	X	-
Potassium Sulfate	1	1	-	1	-	1	1	1	2	1	1	-
Potassium Sulfate - 1% & 5%	1	1	-	-	-	1	1	1	1	1	X	-
Potassium Sulfide	1	1	-	-	-	1	-	2	2	2	-	-
Potassium Sulfite	1	1	-	1	-	1	-	1	1	1	1	-
Potassium Thiosulfate	1	-	-	1	-	1	-	-	-	-	-	-
Primatol A, S, P (Ag Spray)	-	-	-	-	-	1	-	-	-	-	-	-
Propane Gas	X	X	-	-	X	1	-	1	1	1	-	1
Propionic Acid	X	X	-	-	-	1	-	1	-	2	2	-
Propyl Acetate	X	X	-	2	-	1	-	1	-	-	-	-
Propyl Alcohol	1	1	2	1	-	X	1	1	1	1	-	2
Propylene (Liquid Or Gas, Ambient)	X	X	-	1	-	1	2	1	1	1	1	-
Propylene Dichloride	-	-	-	-	-	1	-	1	2	1	X	-
Propylene Glycol	1	1	-	1	1	1	1	2	1	1	1	-
Propylene Oxide	X	X	-	-	-	-	-	2	1	1	2	-
Purina Insecticide	X	X	-	-	-	1	2	1	1	1	1	2
Puropale RX Oils	-	1	-	-	-	2	1	1	1	1	1	1
Pyranol, Transformer Oil	2	1	-	-	-	1	-	1	1	1	1	-
Pydraul	X	X	-	-	-	1	-	-	-	-	-	-
Pydraul 10E, 29E-LT, 30E, 60, 65E, 115E	X	X	-	2	-	-	1	-	1	1	1	1
Pydraul 135	-	X	-	2	-	-	1	2	1	1	1	-
Pydraul 150	X	X	X	2	X	2	1	2	1	1	1	1
Pydraul 280	X	X	X	2	X	2	1	2	1	1	1	-
Pydraul 312	X	X	X	2	-	2	1	1	1	1	1	-
Pydraul 50E	-	-	-	2	-	2	1	1	1	1	1	-
Pydraul 540	X	X	X	2	X	X	1	X	1	1	1	-
Pydraul 625	X	X	X	2	X	2	1	2	1	1	1	-
Pydraul A-200	X	X	X	2	X	X	1	2	1	1	1	-
Pydraul F-9	X	X	X	2	X	2	1	1	1	1	1	-
Pyridine (50%)	X	X	-	-	X	1	-	1	1	1	1	1
Pyrogard 160, 230, 630	-	-	-	-	-	1	-	1	1	1	-	-
Pyrogard 51, 53, 55	-	X	-	-	-	1	-	1	1	1	-	-
Pyrogard C, D	-	1	-	-	-	2	1	1	1	1	1	1

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended	Gates Hose Polymers						Couplings & Adapters					
	Trade Names											
	A	C	C, J	Z			Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass	
	Neoprene	Nitrile	Nitrile/PVC	CPE	Hypalon	Urethane <small>(cover rating only)</small>	PTFE	Nylon				
Chemical Name												
R												
Ramrod (Ag Spray)	-	-	-	-	-	1	1	1	1	1	1	1
Rando Oils	-	1	-	-	-	2	1	1	1	1	1	1
Rape Seed Oil	2	X	-	-	X	-	1	2	1	1	1	1
Red Oil (Comm. Oleic Acid, MIL-H-5606)	2	2	2	1	2	-	1	1	2	2	1	2
Refined Wax (Petroleum)	2	1	2	-	-	2	1	1	1	1	1	-
Regal Oils R&O	-	1	-	-	-	2	1	1	1	1	1	1
Richfield Weed Killer	X	2	-	-	X	-	1	-	-	-	-	-
Round Up	2	2	-	-	-	-	1	1	1	1	1	1
Rubilene Oils	-	1	-	-	-	2	1	1	-	-	-	-
S												
Salicylic Acid	1	X	-	-	-	-	1	1	1	1	2	-
Salt Water (Sea Water)	2	2	2	-	2	1	1	1	1	2	1	X
Santosafe W-G15, W-G20, W-G30	-	1	-	-	-	2	1	1	1	1	1	1
Santo Safe 300	X	X	-	-	-	-	1	-	1	1	1	-
Sevin	-	-	-	-	-	-	1	1	-	-	-	-
Sewage	2	2	2	1	2	-	1	1	X	1	1	2
SFR Fluid B (Shell)	-	X	-	-	-	-	1	-	-	-	-	-
SFR Fluid C (Shell)	-	X	-	-	-	-	1	-	-	-	-	-
Shellac	2	1	-	-	-	-	1	1	1	1	1	-
Shellac (Bleached)	2	1	-	-	-	-	1	1	1	1	1	2
Shellac (Orange)	2	1	-	-	-	-	1	1	1	1	1	2
Silicone Greases	2	2	2	-	2	-	1	1	1	1	1	1
Silicone Oils	2	2	2	-	2	-	1	1	1	1	1	1
Silver Cyanide	1	-	-	-	-	-	1	-	1	1	X	-
Silver Nitrate	1	1	1	1	1	-	1	1	2	1	1	2
Skydrol 500A& 7000	X	X	X	2	X	-	1	1	1	1	1	-
Soap Oil	X	X	-	-	X	-	1	-	1	1	1	-
Soap Solutions	2	1	2	1	1	1	1	1	1	1	1	1
Soda Ash (Sodium Carbonate)	1	1	1	1	1	1	1	1	1	1	1	X
Soda Water	-	-	-	-	-	1	1	1	-	-	-	-
Sodium Acetate	X	X	X	1	X	2	1	1	1	1	1	1
Sodium Borate	-	-	-	-	-	1	1	-	-	-	-	-
Sodium Bicarbonate	1	1	1	1	1	1	1	1	2	1	1	2
Sodium Bisulfate (Niter Cake)	1	1	1	1	1	1	1	1	X	2	1	X
Sodium Bisulfite	1	1	1	1	1	1	1	1	2	1	1	2
Sodium Borate	1	1	1	1	1	1	1	1	1	1	1	-
Sodium Carbonate	1	1	1	1	1	1	1	1	2	2	X	2
Sodium Chlorate	2	1	-	-	1	1	1	1	2	2	X	-
Sodium Chloride	1	1	1	1	1	1	1	1	2	2	1	X
Sodium Chloride - 2%	1	1	-	-	-	-	1	1	2	2	1	X
Sodium Chloride - 5%	1	1	-	-	-	-	1	1	-	2	1	X
Sodium Chloride - 5% @ 150°F	1	1	-	-	-	-	1	1	-	2	1	X
Sodium Chloride Saturated	1	1	-	-	-	-	1	1	-	1	1	X
Sodium Chloride Saturated (Boiling)	-	-	-	-	-	-	1	-	-	2	1	X
Sodium Chloride Slurry	-	-	-	-	-	-	1	-	-	-	-	-
Sodium Cyanide	1	1	1	1	1	1	1	1	2	1	1	X
Sodium Dichromate	2	1	-	1	2	1	1	1	-	-	-	-
Sodium Ferricyanide	-	-	-	-	-	-	1	-	2	2	-	-
Sodium Ferrocyanide	-	-	-	-	-	-	1	-	-	-	-	-
Sodium Fluoride	-	1	-	-	-	-	1	-	2	2	2	-
Sodium Fluoride (5%)	-	1	-	-	-	-	1	-	2	2	2	-
Sodium Fluoride (70%)	-	-	-	-	-	-	1	-	-	2	-	-
Sodium Hydrosulfide	1	X	-	-	-	-	1	-	-	-	-	-
Sodium Hydrosulfite	-	-	-	-	-	-	1	-	-	-	-	-
Sodium Hydroxide	2	2	-	-	-	-	1	-	2	-	-	X
Sodium Hydroxide (3 Molar)	2	2	-	-	-	-	1	-	-	-	-	X
Sodium Hydroxide (10%)	-	-	-	1	-	-	1	-	-	-	-	-

Q Cover stock rating only; Rating for tube stock "X"
*Use Gates fuel hose or contact Denver Product Applications Department.



Hose & Coupling Section



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POWER CRIMP COUPLINGS

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POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

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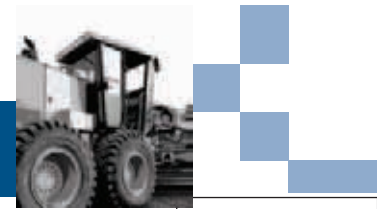
Chemical Resistance Table

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended	Gates Hose Polymers							Couplings & Adapters					
	Trade Names												
	A	C	C ₂	J	Z								
	Neoprene	Nitrile	Nitrile/PVC	CPE	Hypalon	Urethane (cover rating only)	PTFE	Nylon	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass
Chemical Name													
Type III Fuel (MIL-3136)	X	1	-	-	-	-	1	-	1	1	1	1	-
ASTM Fuel B	X	1	-	-	-	-	1	-	1	1	1	1	-
U													
Ucon Hydrolube Types 150CP, 200CP	-	1	-	-	-	2	1	1	1	1	1	1	1
Ucon Hydrolube Types 275CP, 300CP, 550CP	-	-	-	-	-	-	1	-	-	-	-	-	-
Ucon M1	-	1	-	-	-	2	1	1	1	1	1	1	1
Union ATF Dexron	-	1	-	-	-	2	1	1	1	1	1	1	-
Union ATF Type F	-	1	-	-	-	2	1	1	1	1	1	1	1
Union C-2 Fluid	-	1	-	-	-	2	1	1	1	1	1	1	1
Union C-POil	-	1	-	-	-	2	1	1	1	1	1	1	1
Union Hydraulic Oil AW	-	1	-	-	-	2	1	1	1	1	1	1	1
Union Hydraulic Tractor Fluid	-	1	-	-	-	2	1	1	1	1	1	1	1
Urea Solution	1	2	-	1	1	2	1	1	1	1	2	-	-
V													
Varnish	X	X	X	-	X	-	1	1	2	1	1	1	2
Vegetable Oils	2	1	2	1	-	2	1	1	1	1	1	2	2
Vegetable Oil (Hot)	-	-	-	-	-	-	1	1	2	2	2	1	2
Versilube	1	1	-	-	-	-	1	-	1	1	1	1	-
Versilube F-50, F-44	2	2	2	-	2	2	1	1	1	1	1	1	1
Vinegar	2	X	X	2	X	-	1	1	X	2	1	X	X
Vinyl Acetate	X	X	X	1	X	-	1	-	2	1	2	1	2
Vinyl Chloride (Chloroethylene, Monomer)	X	X	X	X	X	-	1	-	2	1	1	2	X
Vitrea Oils	X	X	X	-	-	2	1	1	1	1	1	-	-

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended	Gates Hose Polymers							Couplings & Adapters					
	Trade Names												
	A	C	C ₂	J	Z								
	Neoprene	Nitrile	Nitrile/PVC	CPE	Hypalon	Urethane (cover rating only)	PTFE	Nylon	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass
Chemical Name													
W													
Water	1	1	1	1	1	1	1	1	2	1	1	1	1
Water, Acid Mine	2	X	-	-	-	-	1	1	X	2	2	X	X
Water, Brine	2	2	-	-	1	1	1	1	X	2	2	-	-
Water Deionized, (Deminerlized)	-	-	-	-	-	-	1	-	-	-	-	-	-
Water, Distilled	2	1	-	-	1	1	1	1	X	1	1	1	1
Water, Fresh	1	1	-	-	-	-	1	1	X	1	1	1	X
Water In Oil Emulsions	-	-	-	-	-	2	1	1	-	-	-	-	-
Water, Potable (FDA Tube Only)	-	-	-	-	-	-	-	-	Use FDA Hose Only	-	-	-	-
Water, Salt	2	1	-	-	-	-	1	1	X	2	2	X	X
White & Bagley No. 2190	2	1	-	-	-	-	1	-	-	-	-	-	-
Cutting Oil	2	1	1	1	1	-	1	1	2	2	2	1	-
Wines	2	1	1	1	1	-	1	1	2	2	2	1	-
Wood Oil	2	1	-	1	2	1	1	1	1	1	1	1	-
X													
Xylene	X	X	-	X	-	2	1	X	2	2	2	-	-
Z													
Zeric	-	1	-	-	-	2	1	2	-	-	-	-	-
Zinc Acetate	2	X	-	-	X	-	1	2	1	1	1	1	1
Zinc Chloride Solutions	1	1	1	1	1	-	1	1	X	2	1	X	X
Zinc Chromate	-	-	-	1	1	-	1	-	-	1	1	-	-
Zinc Hydrate	-	-	-	-	-	2	1	-	-	-	-	-	-
Zinc Sulfate Solutions	2	2	2	1	2	-	1	2	X	2	1	X	X

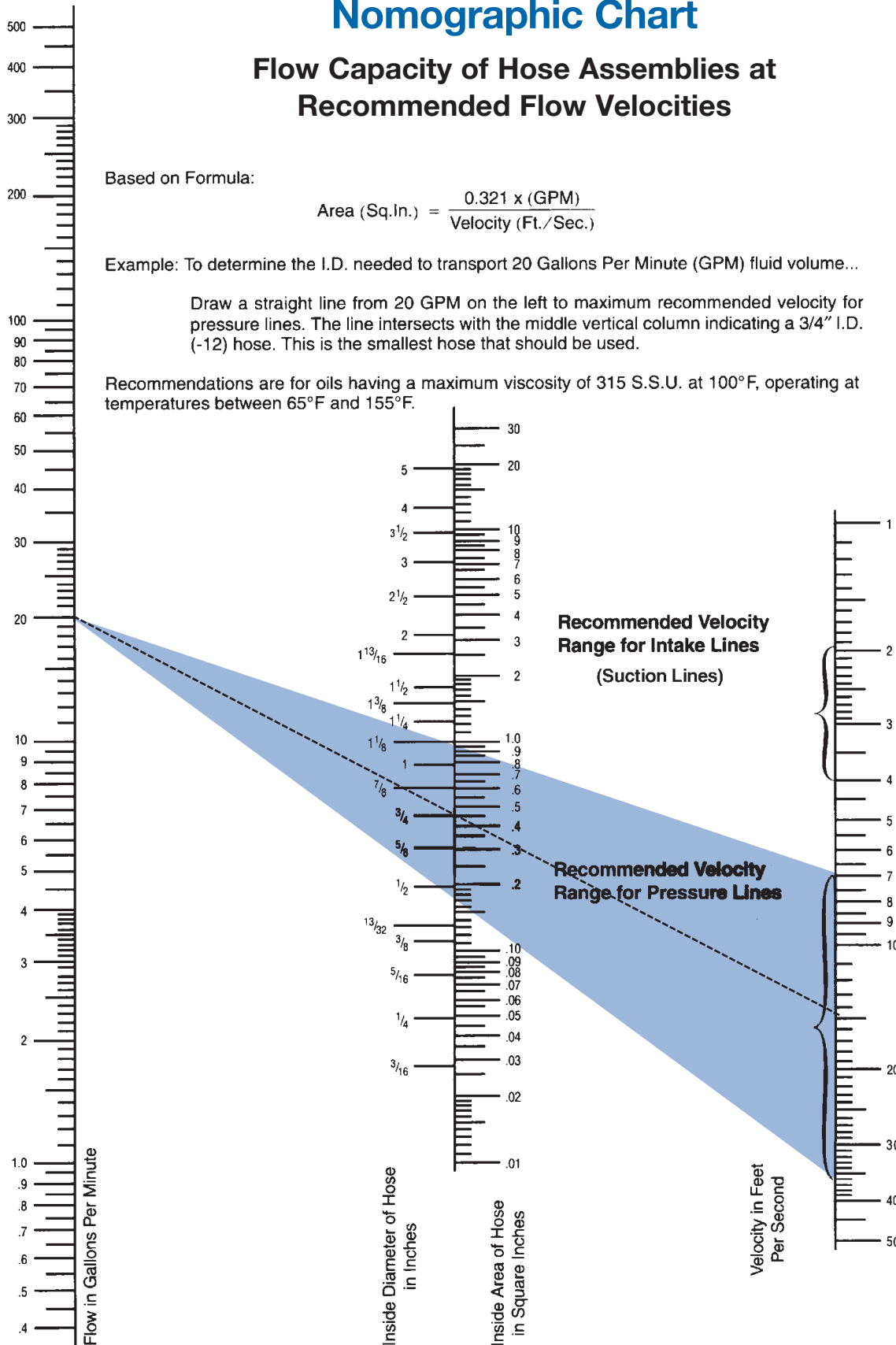
○ Cover stock rating only; Rating for tube stock "X"
*Use Gates fuel hose or contact Denver Product Applications Department.





Nomographic Chart

Flow Capacity of Hose Assemblies at Recommended Flow Velocities



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Hose & Coupling Section

Properties of C14 PTFE Tube

EQUIPMENT	Tensile Strength, 73°F (23°C)	1500-3000 Lb./Sq. In.
	Elongation, 73°F (23°C)	100-200%
GLOBAL SPIRAL COUPLINGS	Stiffness, 73°F (23°C)	60,000 Lb./Sq. In.
	Impact Strength	
PCM/PCS FERRULES	@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.
MEGACRIMP COUPLINGS	Hardness, Durometer	D55-D70 Shore D
POWER CRIMP COUPLINGS	Compressive Stress at	
	1% Deformation @73°F (23°C)	600 Lb./Sq.In.
	1% Offset @73°F (23°C)	1000 Lb./Sq.In.
LOW PRESSURE COUPLINGS	Deformation Under Load, 24 Hrs. @ 122°F (50°C)	
	1200 Lb./Sq.In.	4-8%
	2000 Lb./Sq.In.	25%
POLAR SEAL COUPLINGS	Heat-Distortion Temperature @66 Lb./Sq. In.	250°F (121°C)
	Coefficient of Linear Thermal Expansion per °F; 77-140°F (25-60°C)	5.5×10^{-5}
C14 COUPLINGS	Thermal Conductivity 0.18 In.	1.7 B.T.U./Hr./Sq.Ft./°F/In.
	Specific Heat	0.25 B.T.U./Lb./°F
PCTS THERMO-PLASTIC COUPLINGS	Water Absorption	0.0%
	Flammability	Nonflammable
	Specific Gravity	2.1-2.3

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SURELOK AIR BRAKE COUPLINGS

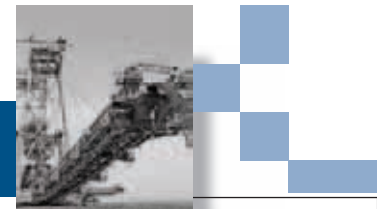
QUICK DISCONNECT COUPLERS

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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 and have a resistance greater than 108 ohm. 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.

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Hose & Coupling Section

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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)

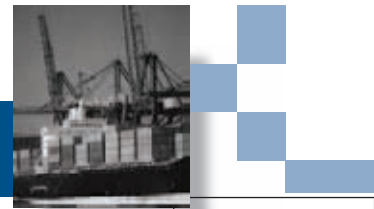
■ Media with the potential to effuse and cause corrosion of the braid reinforcement and fitting materials. These chemicals are all gases while at atmospheric pressure and a temperature of +13°C (+56°F) or lower.

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.





Hydraulic System Pressure Drop

What is Pressure Drop?

As related to our business, pressure drop is the difference between the pressure of a fluid as it enters one end of a hydraulic hose assembly and the pressure of that fluid as it leaves the other end. There will be a difference in pressure, and it will be less. How much less depends on what is between the beginning and end of the hose assembly. Here are some examples of things that can influence the amount of pressure drop.

1. **FRICITION** — This is the rubbing of fluid against the inside walls of the hose assembly.
2. **TYPE OF FLUID** — Different fluids behave differently under pressure. Thicker fluids are moved with greater difficulty and will exhibit greater pressure drop.
3. **TEMPERATURE OF THE FLUID** — Warming fluid thins it so it flows more easily, as with automotive oil.
4. **LENGTH OF HOSE ASSEMBLY** — The longer it is, the more surface there is for friction to decrease pressure.
5. **SIZE (I.D.) OF HOSE** — Affects the fluid velocity for a given flow rate. Higher velocities result in greater pressure drop. Therefore, a larger I.D. hose will produce less pressure drop.
6. **TYPE OF COUPLINGS & ADAPTERS** — Any change in bore or change in direction (such as with 45° or 90° elbows) can increase the amount of pressure drop.
7. **FLOW RATE** — Pressure drop increases with flow rate for same size hose.

Who Cares About Pressure Drop?

Suppose you need 4,000 psi of output from a hose assembly for hydraulic equipment to run efficiently. There will be some pressure drop and you must allow for it in helping to plumb the system with Gates hose, couplings and adapters. This means that the input pressure to the hose assembly must be equal to the output plus the amount of pressure drop. If the pressure drop in this example is 150 psi, then you will need 4,150 psi of input.

How Can You Determine the Amount of Pressure Drop?

That's the easy part of it. Contact your local Gates representative who is trained and equipped to quickly solve such problems for you. He will need input variables and fittings used from you as shown (see below). A Gates Pressure Drop analysis printed below will then be provided for your application.

Sample Pressure Drop Analysis

Input Variables:

Flow Rate: 15 (GPM)

Viscosity: 20.0 (Centistokes)

Specific Gravity: 0.85

Free Hose Length: 20.0 (ft)

Fittings Used:

1. Standard Straight Fitting

2. 90-Degree Angle Coupling

Dash Size (1/16")	Velocity (Ft/Sec)	Hose Pressure Drop (psi/Ft)	Total Pressure Drop-Hose & Fittings (psi)	(1) Reynolds Number	(2) Heat Gain (BTUH)	(3) Horsepower Loss
5	62.8	28.8	789.6	7584	17483	6.87
6	43.6	12.2	399.1	6320	8838	3.47
8	24.5	3.2	81.3	4740	1801	0.71
*10	15.7	1.1	31.2	3792	691	0.27
12	10.9	0.5	12.7	3160	280	0.11
16	6.1	0.1	2.6	2730	58	0.02
20	3.9	0.0	0.8	1896	18	0.01

*Recommended hose size, based on velocity, pressure drop, heat gain and hp loss.

(1) **Reynolds Number** = $\frac{\text{inertia flow forces}}{\text{friction forces (or viscosity)}}$
indicates the type of flow.

Reynolds No. Range	Type of Flow
0-2000	Laminar
2000-3000	Transient
3000 +	Turbulent

(2) **Heat Gain** is the total amount of energy converted to heat energy that will raise the fluid temperature if it is not dissipated.

(3) **Horsepower Loss** is a measure of the conversion of mechanical energy to heat energy and is related to system heat gain.

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FIELD ATTACHABLE C5 COUPLINGS

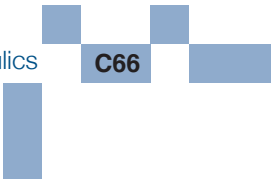
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Pressure Drop Data Form

Fill in all the following BEFORE contacting your local Gates representative for assistance in solving pressure drop problems or contacting Gates Product Application. You can now conveniently calculate your own pressure drops by visiting www.gates.com/pressuredrop.

Your Name: _____

Date: ____/____/____

Customer's Name: _____ Location: _____

Type of Application: _____

I. FLUID DATA NEEDED:

A. Viscosity (thickness) in:

1. Centistokes (mm²/sec.) _____

or _____

2. Saybolt Seconds Universal (SSU) _____

or _____

3. Ft.²/sec. _____

B. Specific Gravity _____

C. Or, if you cannot determine A & B above, then give:

1. Fluid brand name and type _____

2. Fluid temperature _____

D. Flow rate (GPM) _____

II. HOSE DATA NEEDED:

A. Size (I.D.) in inches or dash size _____

B. Length of assembly in feet _____

III. COUPLING and ADAPTER DATA NEEDED:

List quantity and catalog description of each coupling and adapter used in the hose assembly.





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.

$$\begin{array}{rcl}
 3,000 \text{ psi} & = & 206.8 \text{ Bar} \\
 + \quad 400 \text{ psi} & = & 27.6 \text{ Bar} \\
 + \quad 20 \text{ psi} & = & 1.4 \text{ Bar} \\
 + \quad 9 \text{ psi} & = & .62 \text{ Bar} \\
 \hline
 3429 \text{ psi} & = & 236.42 \text{ Bar}
 \end{array}$$

(B) Convert 3,429 psi to the equivalent pressure in MPa.

$$\begin{array}{rcl}
 3,000 \text{ psi} & = & 20.680 \text{ MPa} \\
 + \quad 400 \text{ psi} & = & 2.760 \text{ MPa} \\
 + \quad 20 \text{ psi} & = & .140 \text{ MPa} \\
 + \quad 9 \text{ psi} & = & .062 \text{ MPa} \\
 \hline
 3,429 \text{ psi} & = & 23.642 \text{ MPa}
 \end{array}$$

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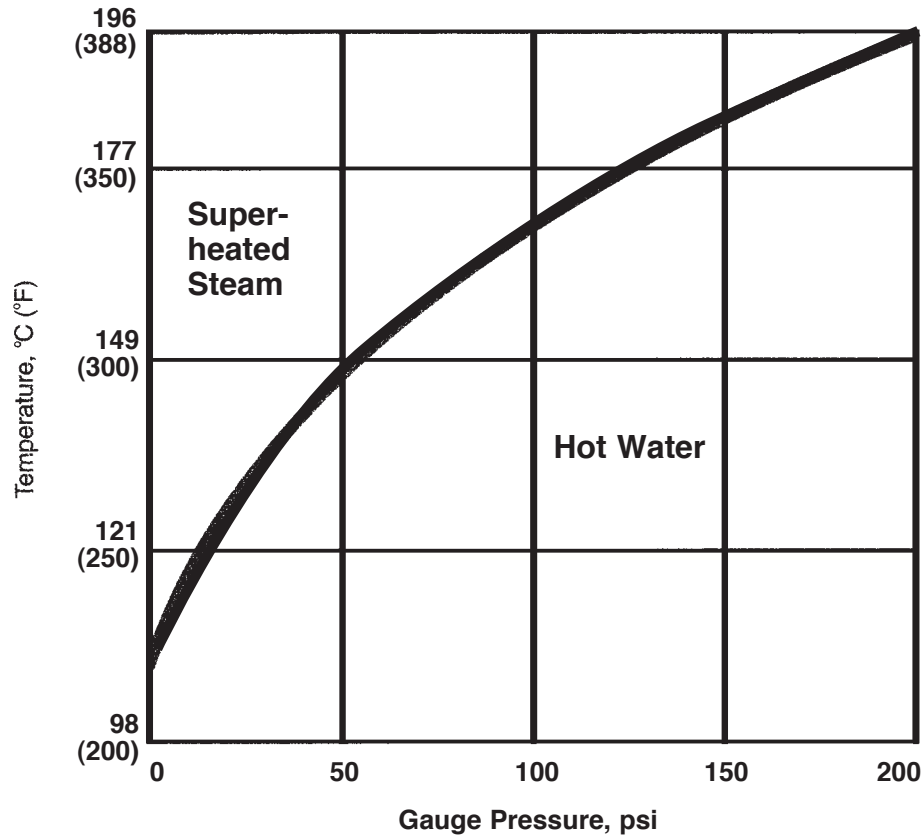
EQUIPMENT AND PARTS

Steam Conditions

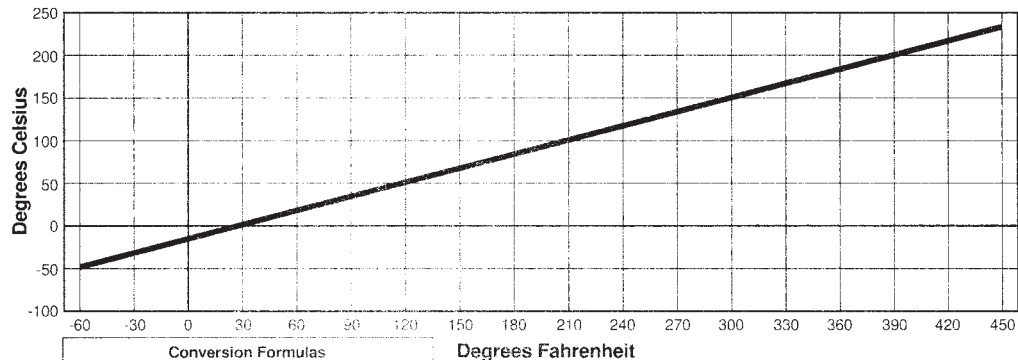
The chart below shows steam conditions. The heavy black line is the boiling point of water at various gauge pressures. Any point on the line represents saturated steam. Any point below the line represents Hot Water and any point above the line represents Superheated Steam.

Caution: 198°C (388°F) at 200 psi is the maximum recommended steam condition for Gates C14 hose.

Caution: Considering the potential for electrostatic discharge, Gates C14CT “conductive” hose is recommended.



Fahrenheit-Celsius Conversion



* Teflon is a registered trademark of DuPont.





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.

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	181.4
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

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Decimal and Millimeter Equivalents of Fractions

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	Inches			Inches			Inches		
	Fractions	Decimals	Millimeters	Fractions	Decimals	Millimeters	Fractions	Decimals	Millimeters
GLOBALSPIRAL COUPLINGS	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
PCM/PCS FERRULES	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
MEGACRIMP COUPLINGS	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
POWER CRIMP COUPLINGS	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
LOW PRESSURE COUPLINGS	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
POLARSEAL COUPLINGS	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
C14 COUPLINGS	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 ²)	Square Metre (m ²)	(in ²) x (6.4516 x 10 ⁻⁴) = (m ²)	(m ²) x 1550.003 = (in ²)
Force	Pound (lb.)	Newton (N)	(lbf) x 4.4482 = (N)	(N) x (2.2481 x 10 ⁻¹) = (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 ⁻²) = (m)	(m) x 39.370 = (in)
Mass	Pound (lb _m)	Kilogram (kg)	(lb _m) x .4536 = (kg)	(kg) x 2.2046 = (lb _m)
Power	Electric Horsepower (HP)	Watt (W)	(HP) x (7.460 x 10 ²) = (W)	(W) x (1.3405 x 10 ⁻³) = (HP)
Pressure	Pounds/Sq In (psi)	Newtons/Sq Metre (N/m ²)	(psi) x (6.8948 x 10 ³) = (N/m ²)	(N/m ²) x (1.4504 x 10 ⁻⁴) = (psi)
	(psi)	Mega Pascal (MPa)	(Non-Preferred Conversions) (psi)/145 = MPa	(MPa) x 145 = (psi)
	(psi) (Bar)	Bar (Bar) (N/m ²)	psi/14.5 = Bar (Bar) x 100,000 = (N/m ²)	(Bar) x (1.4504 x 10 ⁵) = (psi) (N/m ²) x (1.00 x 10 ⁻⁵) = (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 ⁻¹) = (N-m)	(N-m) x 8.8507 = (lb.-in)
	US Gallon (Gal)	Cubic Metre (m ³)	(Gal) x (3.7854 x 10 ⁻³) = (m ³)	(m ³) x (2.6417 x 10 ³) = (Gal)
Volume			(Non-Preferred Conversions)	
		Litre (l)	(Gal) x 3.7854 = (l)	(l) x (2.6417 x 10 ⁻¹) = (Gal)
Work	Foot-Pound (ft.-lb.)	Joule (J)	(ft.-lb.) x 1.3558 = (J)	(J) x (7.3756 x 10 ⁻¹) = (ft.-lb.)





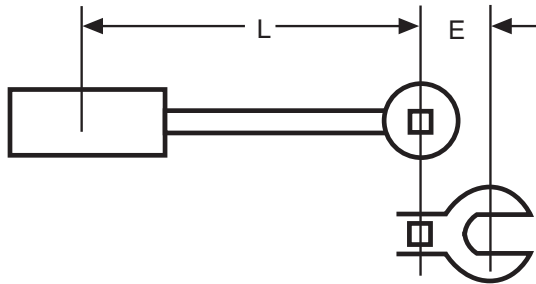
Tightening and Torque Recommendations for Hydraulic Couplings

The art of making a leak-proof connection with hydraulic couplings is to tighten the couplings properly at the time of installation. An over-tightened coupling may be just as apt to leak as an under-tightened coupling. This is because over-tightening a coupling may result in overstressing and/or cracking.

The torque values in the following tables give the minimum and maximum torque recommendations. The minimum value will create a leak-proof seal under most conditions. Applying torque values greater than the maximum recommendation will distort and/or crack the fitting. Values listed in SAE J514 are for qualification testing only and should not be used as the basis for setting up torque values for a production environment. These need to be established based on the coupling manufacturer's recommendations.

When tightening couplings, make sure that the hose does not twist on the adapter. Twisting will shorten hose life and scar the sealing surfaces of swivel type couplings (JIC, 45°, etc.), which can create leaks. For straight couplings, use a torque wrench on the hex swivel nut and a standard box wrench on the stem hex. Bent tube couplings can be restrained by holding onto the ferrule. When a crowsfoot wrench is used with a torque wrench, adjustments to the torque readings must be made otherwise over-tightening will occur. The distance E, as shown below, from the center of the drive socket to the center of the crowsfoot must be added to the torque value reading.

The following equation can be used to make these adjustments:



Actual Torque = $\frac{(E+L)}{L} \times (\text{Torque Wrench Reading})$, where

- L is in inches
- E is in inches
- Torque is in lb.-in., lb.-ft, or Newton-Meters

An example of using this equation is shown below:

Torque wrench reading = 45 lb.-ft.

E = 1.5 inches

L = 12 inches

Actual Torque = $\frac{(1.5+12)}{12} \times (45) = 50.6 \text{ lb.-ft}$

This example shows that the actual torque is approximately 10 percent higher than the reading indicates. All torque recommendations are based on dry threads. If oil or thread sealant is used, the maximum recommended torque values could be decreased by as much as 25 percent.

We do recommend lubricating all O-rings prior to insertion into flange head and ORS grooves. This will minimize the possibility of nicking the O-ring when it is installed. The torque values obtained from tightening pipe threads can vary considerably, depending on the conditions of the threads. Adequate sealing can occur at values much lower than the maximum values listed in the chart. However, the minimum torque values must be used to obtain adequate sealing.

EQUIPMENT

HOSE/CPLG.
SELECTION

GLOBALSPIRAL
COUPLINGS

PCM/PCS
FERRULES

MEGACRIMP
COUPLINGS

POWER
CRIMP
COUPLINGS

LOW
PRESSURE
COUPLINGS

POLARSEAL
COUPLINGS

C14
COUPLINGS

PCTS
THERMO-
PLASTIC
COUPLINGS

FIELD
ATTACHABLE
G1 & G2
COUPLINGS

FIELD
ATTACHABLE
C5
COUPLINGS

SURELOK AIR
BRAKE
COUPLINGS

QUICK
DISCONNECT
COUPLERS

NEW BALL
VALVES

ACCESSORIES

EQUIPMENT
AND PARTS



Hose & Coupling Section

Coupling & Adapter Installation Torque Recommendations – Continued

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLAR SEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

For 37° & 45° (Machined or Flared) and MegaSeal®

Size		Steel				Brass			
Dash	Fractional (In.)	Ft. Lbs.		Newton-Meters		Ft. Lbs.		Newton-Meters	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
-4	1/4	10	11	13	15	5	6	6-3/4	9
-5	5/16	13	15	18	20	7	9	10	13
-6	3/8	17	19	23	26	12	15	17	20
-8	1/2	34	38	47	52	20	24	27-2/3	33
-10	5/8	50	56	69	76	34	40	46-1/3	55
-12	3/4	70	78	96	106	53	60	72-1/3	82
-16	1	94	104	127	141	74	82	100-1/2	111
-20	1-1/4	124	138	169	188	75	83	101-1/2	113
-24	1-1/2	156	173	212	235	79	87	107	118
-32	2	219	243	296	329	158	175	214	237

For Flat-Face O-Ring Seal (Steel)

Size		Ft.-Lbs.		Newton-Meters	
Dash	Fractional (In.)	Min.	Max.	Min.	Max.
-4	1/4	10	12	14	16
-6	3/8	18	20	24	27
-8	1/2	32	40	43	54
-10	5/8	46	56	60	75
-12	3/4	65	80	90	110
-14	7/8	65	80	90	110
-16	1	92	105	125	240
-20	1-1/4	125	140	170	190
-24	1-1/2	150	180	200	245

For SAE O-Ring Boss (Steel) & Gates Adapterless

Size		Ft.Lbs. Working Pressures 4,000 psi (27.5 Mpa) and below		Newton-Meters Working Pressures 4,000 psi (27.5 Mpa) and below		Ft.Lbs. Working Pressures Above 4,000 psi (27.5 Mpa)		Newton-Meters Working Pressures Above 4,000 psi (27.5 Mpa)	
Dash	Fractional (In.)	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
-3	3/16	—	—	—	—	8	10	11	13
-4	1/4	14	16	20	22	14	16	20	22
-5	5/16	—	—	—	—	18	20	24	27
-6	3/8	24	26	33	35	24	26	33	35
-8	1/2	37	44	50	60	50	60	68	78
-10	5/8	50	60	68	81	72	80	98	110
-12	3/4	75	83	101-1/2	113	125	135	170	183
-14	7/8	—	—	—	—	160	180	215	245
-16	1	111	125	150	170	200	220	270	300
-20	1-1/4	133	152	180	206	210	280	285	380
-24	1-1/2	156	184	212	250	270	360	370	490

For BSP 30° Inverted Cone

Size		Ft.-Lbs.		Newton-Meters	
Dash	Fractional (In.)	Min.	Max.	Min.	Max.
-2	1/8	7	9	9	12
-4	1/4	11	18	15	24
-6	3/8	19	28	26	38
-8	1/2	30	36	41	49
-10	5/8	37	44	50	60
-12	3/4	50	60	68	81
-16	1	79	95	107	129
-20	1-1/4	127	152	172	206
-24	1-1/2	167	190	226	258
-32	2	262	314	355	426

For DIN 2353 12°, 30° and Universal Inverted Cone

Size		Ft.-Lbs.		Newton-Meters	
Light Series Tube O.D. (mm)	Heavy Series Tube O.D. (mm)	Min.	Max.	Min.	Max.
-6	—	7	15	10	20
-8	—	15	26	20	35
-10	-8	18	30	25	40
-12	-10	22	33	30	45
-14	-12	26	37	35	50
-15	-14	30	52	40	70
—	-16	30	52	40	70
-18	—	44	74	60	100
-22	-20	59	89	80	120
-28	-25	74	111	100	150
—	-30	74	162	150	220
-35	—	133	184	180	250
-42	-38	148	221	200	300

Maximum Recommended Torque for Dry NPTF (Tapered) Pipe Threads*

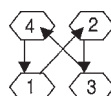
Size	Ft.-Lbs.	Newton-Meters
-2	20	25
-4	25	35
-6	35	45
-8	45	60
-12	55	75
-16	65	90
-20	80	110
-24	95	130
-32	120	160

*NOTES:

- 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.
- When using a male tapered pipe thread with a female straight or parallel pipe thread, 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.

For 4-Bolt Flange Connections

Bolt Size	Line Size	Torque Nm	Torque Lb-Ft
.31	-8	23	17
.38	-12	35	26
.44	-16	58	43
.50	-20	88	65
.63	-24	176	130
.75	-32	298	220



- The 4-bolt flange seal is a face seal. The shoulder which contains the seal must fit squarely against the mating surface and be held there with even tension on all bolts.
- Torque values apply to plated bolts and bolts with light engine oil.
- Lubricate O-ring with a light oil (SAE 10W or 20W) before assembly.
- Finger tighten all four bolts making sure the flange and fitting shoulder are started square.
- Tighten all bolts evenly by partially tightening each bolt as shown in the figure below and repeating the sequence until all bolts are tightened to the specific torque in the table.

MFA Torque Spec J514 Section 6

Tighten finger tight until the tubing no longer turns by hand (until the sleeve has started to grip the tube).

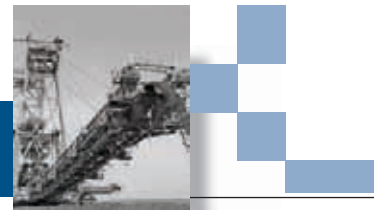
6.1.4 = After the sleeve has gripped the tube, tighten the nut one full turn or eight flats of the nut (360°).



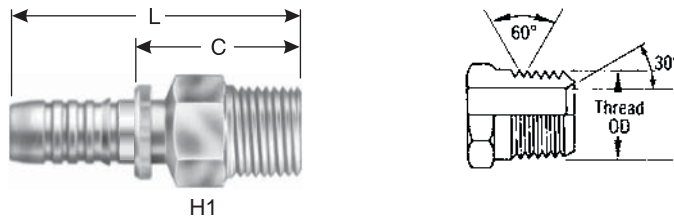


Notes



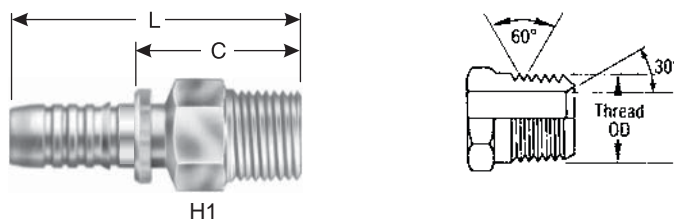


Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
6GS-6MP	7347-20145	3/8	9.5	3/8-18	11/16	—	2.72	69.0	1.31	33.2	1
6GS-8MP	7347-20155	3/8	9.5	1/2-14	7/8	—	2.87	73.0	1.46	37.2	1
8GS-8MP	7347-20245	1/2	12.7	1/2-14	7/8	—	2.91	73.9	1.43	36.3	1
8GS-12MP	7347-20265	1/2	12.7	3/4-14	1 1/16	—	3.03	77.0	1.56	39.5	1
10GS-8MP	7347-20335	5/8	15.8	1/2-14	15/16	—	3.35	85.0	1.34	34.0	1
10GS-12MP	7347-20355	5/8	15.8	3/4-14	1 1/8	—	3.58	91.0	1.60	40.7	1
12GS-8MP	7347-20425	3/4	19.1	1/2-14	1 1/16	—	3.54	90.0	1.54	39.0	1
12GS-12MP	7347-20445	3/4	19.1	3/4-14	1 1/16	—	3.54	90.0	1.54	39.0	1
12GS-16MP	7347-20465	3/4	19.1	1-11 1/2	1 3/8	—	3.82	97.0	1.81	46.0	1
16GS-12MP	7347-20535	1	25.4	3/4-14	1 3/8	—	3.98	101.0	1.74	44.2	1
16GS-16MP	7347-20555	1	25.4	1-11 1/2	1 3/8	—	4.17	106.0	1.94	49.2	1
16GS-20MP	7347-20565	1	25.4	1 1/4-11 1/2	1 3/4	—	4.29	109.0	2.06	52.2	1
20GS-20MP	7347-20645	1 1/4	31.7	1 1/4-11 1/2	1 3/4	—	5.00	127.0	2.20	55.9	1
24GSP-24MP	7347-20725	1 1/2	38.1	1 1/2-11 1/2	2.00	—	5.24	133.0	2.34	59.4	1
32GSP-32MP	7347-20795	2	50.8	2-11 1/2	2.50	—	6.05	153.7	2.43	61.7	1
BULK PACK											
8GS-8MPXBULK	7347-2024	1/2	12.7	1/2-14	7/8	—	2.91	73.9	1.43	36.3	225
8GS-12MPXBULK	7347-2026	1/2	12.7	3/4-14	1 1/16	—	3.03	77.0	1.56	39.5	150
12GS-12MPXBULK	7347-2044	3/4	19.1	3/4-14	1 1/16	—	3.54	90.0	1.54	39.0	100
12GS-16MPXBULK	7347-2046	3/4	19.1	1-11 1/2	1 3/8	—	3.82	97.0	1.81	46.0	40
16GS-16MPXBULK	7347-2055	1	25.4	1-11 1/2	1 3/8	—	4.17	106.0	1.94	49.2	60
20GS-20MPXBULK	7347-2064	1 1/4	31.7	1 1/4-11 1/2	1 3/4	—	5.00	127.0	2.20	55.9	25
24GSP-24MPXBULK	7347-2072	1 1/2	38.1	1 1/2-11 1/2	2.00	—	5.24	133.0	2.34	59.4	25
32GSP-32MPXBULK	7347-2079	2	50.8	2-11 1/2	2.50	—	6.05	153.7	2.43	61.7	10

Male Pipe (NPTF - 30° Cone Seat) - API Threads



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
20GS-20MPAPI	7347-76955	1 1/4	31.7	1 1/4-11 1/2	1 3/4	—	5.51	140.0	2.70	68.9	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

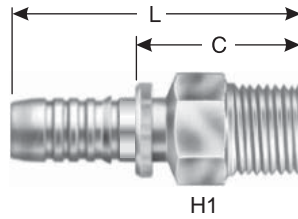
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

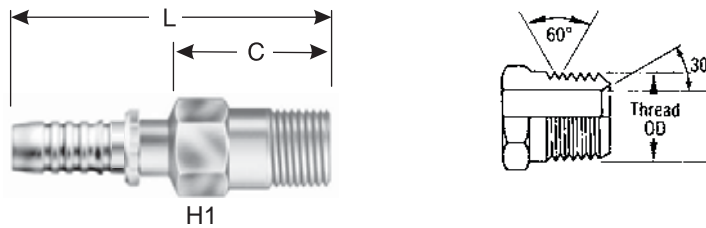
EQUIPMENT AND PARTS

Male Pipe for API Unions



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
32GSP-32MPAPI	7347-85415	2	50.8	2-11 1/2	2.50	—	7.90	200.6	4.28	108.6	1
BULK PACK											
32GSP-32MPAPIXBULK	7347-8541	2	50.8	2-11 1/2	2.50	—	7.90	200.6	4.28	108.6	10

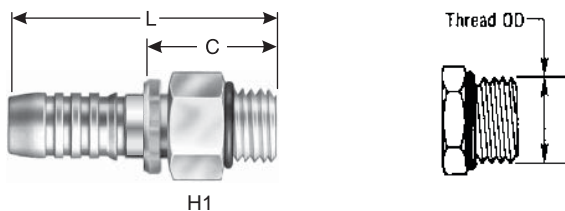
Male Pipe (NPTF - 30° Cone Seat) - Long Hex



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
16GS-16MPLH	7347-76545	1	25.4	1-11 1/2	1 3/8	—	5.16	131.0	2.92	74.2	1
BULK PACK											
16GS-16MPLHXBULK	7347-7654	1	25.4	1-11 1/2	1 3/8	—	5.16	131.0	2.92	74.2	45

Male O-Ring Boss

SAE J1926/2 ISO 11926-2 Heavy Duty (S Series) Stud End.




Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
6GS-6MB	7347-21145	3/8	9.5	9/16-18	11/16	—	2.56	65.0	1.15	29.2	1
8GS-8MB	7347-21245	1/2	12.7	3/4-16	7/8	—	2.76	70.0	1.26	32.0	1
8GS-10MB	7347-21255	1/2	12.7	7/8-14	1	—	2.83	72.0	1.34	34.0	1



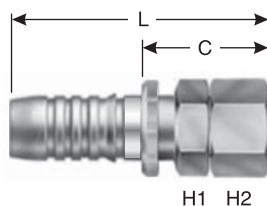



Male O-Ring Boss - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
10GS-10MB	7347-21345	5/8	15.8	7/8-14	1	—	3.46	88.0	1.48	37.7	1
10GS-12MB	7347-21355	5/8	15.8	1 1/16-12	1 1/4	—	3.46	88.0	1.48	37.7	1
12GS-12MB	7347-21445	3/4	19.1	1 1/16-12	1 1/4	—	3.66	93.0	1.65	42.0	1
12GS-16MB	7347-21465	3/4	19.1	1 5/16-12	1 1/2	—	3.54	90.0	1.54	39.0	1
16GS-12MB	7347-21535	1	25.4	1 1/16-12	1 3/8	—	3.98	101.0	1.74	44.2	1
16GS-16MB	7347-21555	1	25.4	1 5/16-12	1 1/2	—	3.86	98.0	1.62	41.2	1
20GS-20MB	7347-21645	1 1/4	31.7	1 5/8-12	1 7/8	—	4.53	115.0	1.73	43.9	1
BULK PACK											
8GS-8MBXBULK	7347-2124	1/2	12.7	3/4-16	7/8	—	2.76	70.0	1.26	32.0	300
12GS-12MBXBULK	7347-2144	3/4	19.1	1 1/16-12	1 1/4	—	3.66	93.0	1.65	42.0	75
16GS-16MBXBULK	7347-2155	1	25.4	1 5/16-12	1 1/2	—	3.86	98.0	1.62	41.2	50

Female MegaSeal® Swivel

Gates High Performance Replacement for Female JIC Fittings - Connects to Standard Male JIC Termination.



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
12GS-12FMX	7347-69445	3/4	19.0	1 1/16-12	1 1/8	1 1/4	4.02	102.0	2.02	51.3	1
12GS-16FMX	7347-69465	3/4	19.0	1 5/16-12	1 1/8	1 1/2	4.06	103.2	2.06	52.2	1
16GS-16FMX	7347-69555	1	25.4	1 5/16-12	1 1/2	1 1/2	4.37	111.0	2.15	54.5	1
20GS-20FMX	7347-69645	1 1/4	31.7	1 5/8-12	1 7/8	2	5.36	136.1	2.56	65.0	1
BULK PACK											
12GS-12FMX XBULK	7347-6944	3/4	19.1	1 1/16-12	1 1/8	1 1/4	4.02	102.0	2.02	51.3	100
12GS-16FMX XBULK	7347-6946	3/4	19.1	1 5/16-12	1 1/8	1 1/2	4.06	103.2	2.06	52.2	30
16GS-16FMX XBULK	7347-6955	1	25.4	1 5/16-12	1 1/2	1 1/2	4.37	111.0	2.15	54.5	50
20GS-20FMX XBULK	7347-6964	1 1/4	31.7	1 5/8-12	1 7/8	2	5.36	136.1	2.56	65.0	25

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

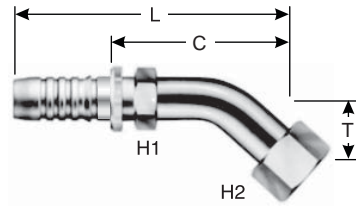




GlobalSpiral™ Couplings

Female MegaSeal® Swivel - 45° Bent Tube

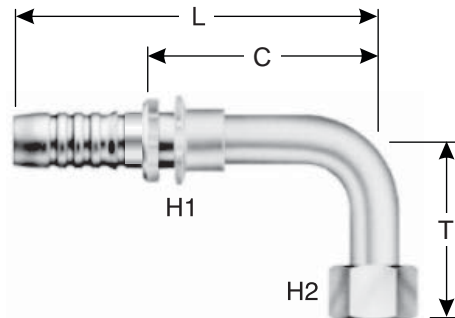
Gates High Performance Replacement for Female JIC Fittings - Connects to Standard Male JIC Termination.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
12GS-12FMX45-032	7347-73275	3/4	19.0	1 1/16-12	1 1/8	1 1/4	1.26	32.0	5.08	129.0	3.07	78.0	1
16GS-16FMX45-038	7347-70555	1	25.4	1 5/16-12	1 1/2	1 1/2	1.50	38.0	6.26	159.0	4.04	102.6	1
20GS-20FMX45-041	7347-70645	1 1/4	31.7	1 5/8-12	1 7/8	2	1.61	41.0	7.47	189.7	4.67	118.6	1
BULK PACK													
12GS-12FMX45-032XBULK	7347-7327	3/4	19.1	1 1/16-12	1 1/8	1 1/4	1.26	32.0	5.08	129.0	3.07	78.0	75
16GS-16FMX45-038XBULK	7347-7055	1	25.4	1 5/16-12	1 1/2	1 1/2	1.50	38.0	6.26	159.0	4.04	102.6	25

Female MegaSeal® Swivel - 90° Bent Tube

Gates High Performance Replacement for Female JIC Fittings - Connects to Standard Male JIC Termination.

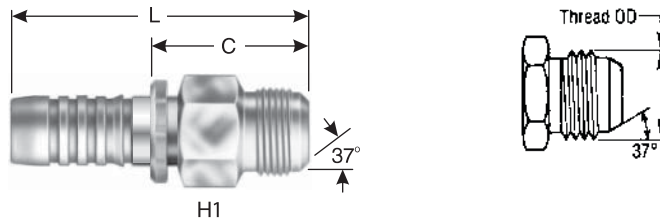


Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
12GS-12FMX90-048	7347-71445	3/4	19.1	1 1/16-12	1 1/8	1 1/4	1.89	48.0	4.72	120.0	2.72	69.0	1
12GS-12FMX90-058	7347-71395	3/4	19.0	1 1/16-12	1 1/8	1 1/4	2.28	58.0	4.72	120.0	2.72	69.0	1
12GS-12FMX90-096	7347-71405	3/4	19.0	1 1/16-12	1 1/8	1 1/4	3.78	96.0	4.72	120.0	2.72	69.0	1
12GS-16FMX90-056	7347-71465	3/4	19.0	1 5/16-12	1 1/8	1 1/2	2.20	56.0	5.39	137.0	3.39	86.0	1
16GS-16FMX90-056	7347-71555	1	25.4	1 5/16-12	1 1/2	1 1/2	2.20	56.0	5.67	144.0	3.45	87.6	1
16GS-16FMX90-071	7347-71505	1	25.4	1 5/16-12	1 1/2	1 1/2	2.80	71.0	5.67	144.0	3.45	87.6	1
BULK PACK													
12GS-12FMX90-048XBULK	7347-7144	3/4	19.1	1 1/16-12	1 1/8	1 1/4	1.89	48.0	4.72	120.0	2.72	69.0	40
12GS-12FMX90-058XBULK	7347-7139	3/4	19.1	1 1/16-12	1 1/8	1 1/4	2.28	58.0	4.72	120.0	2.72	69.0	40
12GS-16FMX90-056XBULK	7347-7146	3/4	19.1	1 5/16-12	1 1/8	1 1/2	2.20	56.0	5.39	137.0	3.39	86.0	40
16GS-16FMX90-056XBULK	7347-7155	1	25.4	1 5/16-12	1 1/2	1 1/2	2.20	56.0	5.67	144.0	3.45	87.6	30



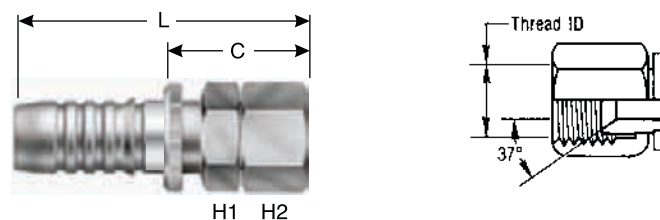


Male JIC 37° Flare



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
6GS-6MJ	7347-22145	3/8	9.5	9/16-18	11/16	—	2.60	66.0	1.19	30.2	1
6GS-8MJ	7347-22155	3/8	9.5	3/4-16	13/16	—	2.76	70.0	1.35	34.2	1
6GS-10MJ	7347-22165	3/8	9.5	7/8-14	15/16	—	3.03	77.0	1.62	41.2	1
8GS-8MJ	7347-22245	1/2	12.7	3/4-16	13/16	—	2.83	72.0	1.36	34.5	1
8GS-10MJ	7347-22255	1/2	12.7	7/8-14	7/8	—	2.95	75.0	1.48	37.5	1
10GS-10MJ	7347-22345	5/8	15.8	7/8-14	15/16	—	3.62	92.0	1.64	41.7	1
10GS-12MJ	7347-22355	5/8	15.8	1 1/16-12	1 1/16	—	3.70	94.0	1.72	43.7	1
12GS-12MJ	7347-22445	3/4	19.1	1 1/16-12	1 1/8	—	3.66	93.0	1.65	42.0	1
12GS-14MJ	7347-22455	3/4	19.1	1 3/16-12	1 1/4	—	3.70	94.0	1.69	43.0	1
12GS-16MJ	7347-22465	3/4	19.1	1 5/16-12	1 5/16	—	3.78	96.0	1.77	45.0	1
16GS-16MJ	7347-22555	1	25.4	1 5/16-12	1 3/8	—	4.09	104.0	1.86	47.2	1
16GS-20MJ	7347-22585	1	25.4	1 5/8-12	1 5/8	—	4.27	108.5	2.04	51.7	1
20GS-20MJ	7347-22645	1 1/4	31.7	1 5/8-12	1 3/4	—	4.92	125.0	2.12	53.9	1
24GSP-20MJ	7347-81455	1 1/2	38.1	1 5/8-12	1.97	—	5.00	127.0	2.10	53.7	1
24GSP-24MJ	7347-81465	1 1/2	38.1	1 7/8-12	1.97	—	5.12	130.0	2.22	56.4	1
32GSP-32MJ	7347-81535	2	50.8	2 1/2-12	2.56	—	6.34	161.1	2.72	69.1	1
BULK PACK											
8GS-8MJXBULK	7347-2224	1/2	12.7	3/4-16	13/16	—	2.83	72.0	1.36	34.5	150
8GS-10MJXBULK	7347-2225	1/2	12.7	7/8-14	7/8	—	2.95	75.0	1.48	37.5	200
12GS-12MJXBULK	7347-2244	3/4	19.1	1 1/16-12	1 1/8	—	3.66	93.0	1.65	42.0	125
12GS-16MJXBULK	7347-2246	3/4	19.1	1 5/16-12	1 5/16	—	3.78	96.0	1.77	45.0	50
16GS-16MJXBULK	7347-2255	1	25.4	1 5/16-12	1 3/8	—	4.09	104.0	1.86	47.2	50
20GS-20MJXBULK	7347-2264	1 1/4	31.7	1 5/8-12	1 3/4	—	4.92	125.0	2.12	53.9	30
24GSP-24MJXBULK	7347-8146	1 1/2	38.1	1 7/8-12	1.97	—	5.12	130.0	2.22	56.4	20
32GSP-32MJXBULK	7347-8153	2	50.8	2 1/2-12	2.56	—	6.34	161.1	2.72	69.1	5

Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
	7347-82455	1 1/2	38.1	1 7/8-12	1.97	2.36	5.64	143.4	2.74	69.7	1
6GS-6FJX	7347-24145	3/8	9.5	9/16-18	3/4	3/4	2.72	69.0	1.31	33.2	1


EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



GlobalSpiral™ Couplings



Female JIC 37° Flare Swivel - Cont'd

DESCR.	PROD. NO.	Ø			H1	H2	L		C		STD. PACK
		"	mm		"	"	"	mm	"	mm	
6GS-8FJX	7347-24155	3/8	9.5	3/4-16	3/4	7/8	2.80	71.0	1.39	35.2	1
8GS-8FJX	7347-24245	1/2	12.7	3/4-16	7/8	7/8	2.83	72.0	1.36	34.5	1
8GS-10FJX	7347-24255	1/2	12.7	7/8-14	7/8	1 1/16	2.99	75.9	1.51	38.4	1
8GS-12FJX	7347-24265	1/2	12.7	1 1/16-12	7/8	1 1/4	3.03	77.0	1.56	39.5	1
10GS-10FJX	7347-82175	5/8	15.8	7/8-14	1	1 1/16	3.68	93.5	1.70	43.2	1
10GS-12FJX	7347-24355	5/8	15.8	1 1/16-12	1	1 1/4	3.74	95.0	1.76	44.7	1
12GS-10FJX	7347-24435	3/4	19.1	7/8-14	1 1/16	1 1/8	3.87	98.4	1.87	47.4	1
12GS-12FJX	7347-24445	3/4	19.1	1 1/16-12	1	1 1/4	3.87	98.2	1.86	47.2	1
12GS-14FJX	7347-24455	3/4	19.1	1 3/16-12	1 1/8	1 3/8	4.06	103.2	2.06	52.2	1
12GS-16FJX	7347-24465	3/4	19.1	1 5/16-12	1 1/4	1 1/2	4.02	102.0	2.01	51.0	1
16GS-12FJX	7347-24535	1	25.4	1 1/16-12	1 3/8	1 3/8	4.25	107.9	2.00	50.7	1
16GS-14FJX	7347-24545	1	25.4	1 3/16-12	1 3/8	1 1/2	4.25	107.9	2.01	51.1	1
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	1
16GS-20FJX	7347-24565	1	25.4	1 5/8-12	1 1/2	2	4.53	115.0	2.31	58.6	1
20GS-16FJX	7347-24635	1 1/4	31.7	1 5/16-12	1 3/4	1 5/8	5.08	129.0	2.28	57.9	1
20GS-20FJX	7347-24645	1 1/4	31.7	1 5/8-12	1 7/8	2	5.29	134.4	2.56	64.9	1
20GS-24FJX	7347-24655	1 1/4	31.7	1 7/8-12	1 7/8	2 3/8	5.39	137.0	2.59	65.9	1
32GSP-32FJX	7347-82525	2	50.8	2 1/2-12	2.56	2.95	6.80	172.6	3.17	80.6	1
BULK PACK											
6GS-6FJX XBULK	7347-2414	3/8	9.5	9/16-18	3/4	3/4	2.72	69.0	1.31	33.2	325
6GS-8FJX XBULK	7347-2415	3/8	9.5	3/4-16	3/4	7/8	2.80	71.0	1.39	35.2	200
8GS-8FJX XBULK	7347-2424	1/2	12.7	3/4-16	7/8	7/8	2.83	72.0	1.36	34.5	250
8GS-10FJX XBULK	7347-2425	1/2	12.7	7/8-14	7/8	1 1/16	2.99	75.9	1.51	38.4	175
8GS-12FJX XBULK	7347-2426	1/2	12.7	1 1/16-12	7/8	1 1/4	3.03	77.0	1.56	39.5	175
10GS-10FJX XBULK	7347-8217	5/8	15.8	7/8-14	1	1 1/16	3.68	93.5	1.70	43.2	130
12GS-10FJX XBULK	7347-2443	3/4	19.1	7/8-14	1 1/16	1 1/8	3.87	98.4	1.87	47.4	100
12GS-12FJX XBULK	7347-2444	3/4	19.1	1 1/16-12	1	1 1/4	3.87	98.2	1.86	47.2	100
12GS-14FJX XBULK	7347-2445	3/4	19.1	1 3/16-12	1 1/8	1 3/8	4.06	103.2	2.06	52.2	80
12GS-16FJX XBULK	7347-2446	3/4	19.1	1 5/16-12	1 1/4	1 1/2	4.02	102.0	2.01	51.0	50
16GS-12FJX XBULK	7347-2453	1	25.4	1 1/16-12	1 3/8	1 3/8	4.25	107.9	2.00	50.7	25
16GS-16FJX XBULK	7347-2455	1	25.4	1 5/16-12	1 1/2	1 1/2	4.30	109.2	2.07	52.6	50
16GS-20FJX XBULK	7347-2456	1	25.4	1 5/8-12	1 1/2	2	4.53	115.0	2.31	58.6	30
20GS-20FJX XBULK	7347-2464	1 1/4	31.7	1 5/8-12	1 7/8	2	5.29	134.4	2.56	64.9	25
20GS-24FJX XBULK	7347-2465	1 1/4	31.7	1 7/8-12	1 7/8	2 3/8	5.39	137.0	2.59	65.9	25
24GSP-24FJX XBULK	7347-8245	1 1/2	38.1	1 7/8-12	1.97	2.36	5.64	143.4	2.74	69.7	20
32GSP-32FJX XBULK	7347-8252	2	50.8	2 1/2-12	2.56	2.95	6.80	172.6	3.17	80.6	9

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

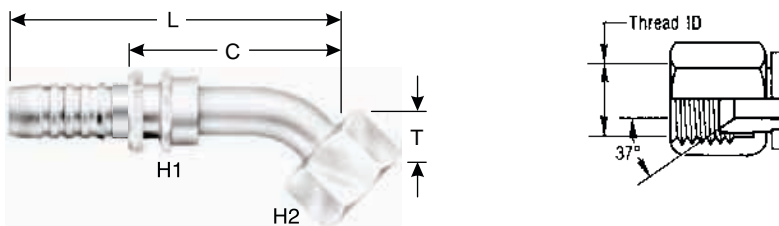
EQUIPMENT AND PARTS





Female JIC 37° Flare Swivel - 30° Bent Tube

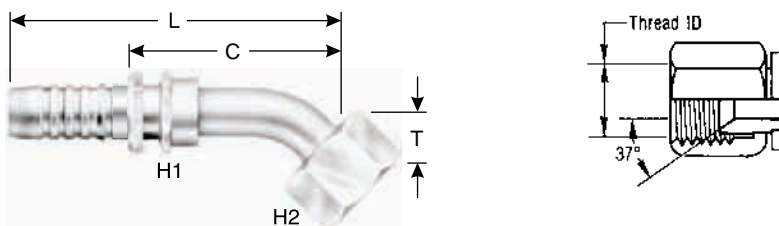
S, M and L Drops per ISO Final Draft International Standard 12151-S.



Descr.	Prod. No.	Ø			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
16GS-16FJX30M	7347-73055	1	25.4	1 5/16-12	1 7/8	1 1/2	1.06	27.0	6.02	153.0	3.80	96.6	1

Female JIC 37° Flare Swivel - 45° Short Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-S.



Descr.	Prod. No.	Ø			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-6FJX45S	7347-25145	3/8	9.5	9/16-18	3/4	3/4	.43	11.0	3.23	82.0	1.82	46.2	1
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	1
8GS-8FJX45S	7347-25245	1/2	12.7	3/4-16	7/8	7/8	.59	15.0	3.70	94.0	2.22	56.5	1
8GS-10FJX45S	7347-25255	1/2	12.7	7/8-14	7/8	1 1/16	.63	16.0	3.58	91.0	2.11	53.5	1
10GS-12FJX45S	7347-25355	5/8	15.8	1 1/16-12	1	1 1/4	.83	21.0	4.80	122.0	2.82	71.7	1
12GS-12FJX45S	7347-25445	3/4	19.1	1 1/16-12	1 1/8	1 1/4	.83	21.0	5.12	130.0	3.11	79.0	1
12GS-16FJX45S	7347-25465	3/4	19.1	1 5/16-12	1 1/8	1 1/2	.94	24.0	5.39	137.0	3.39	86.0	1
16GS-16FJX45S	7347-25555	1	25.4	1 5/16-12	1 1/2	1 1/2	.94	24.0	5.98	152.0	3.77	95.7	1
16GS-20FJX45S	7347-25565	1	25.4	1 5/8-12	1 1/2	2	.98	25.0	6.46	164.0	4.23	107.5	1
BULK PACK													
8GS-8FJX45SXBULK	7347-2524	1/2	12.7	3/4-16	7/8	7/8	.59	15.0	3.70	94.0	2.22	56.5	90
8GS-10FJX45SXBULK	7347-2525	1/2	12.7	7/8-14	7/8	1 1/16	.63	16.0	3.58	91.0	2.11	53.5	75
12GS-12FJX45SXBULK	7347-2544	3/4	19.1	1 1/16-12	1 1/8	1 1/4	.83	21.0	5.12	130.0	3.11	79.0	40
12GS-16FJX45SXBULK	7347-2546	3/4	19.1	1 5/16-12	1 1/8	1 1/2	.94	24.0	5.39	137.0	3.39	86.0	50
16GS-16FJX45SXBULK	7347-2555	1	25.4	1 5/16-12	1 1/2	1 1/2	.94	24.0	5.98	152.0	3.77	95.7	35

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

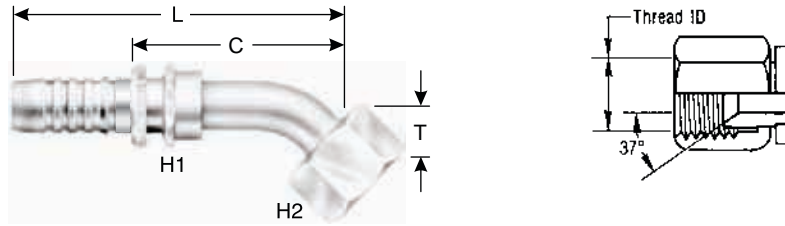
EQUIPMENT AND PARTS





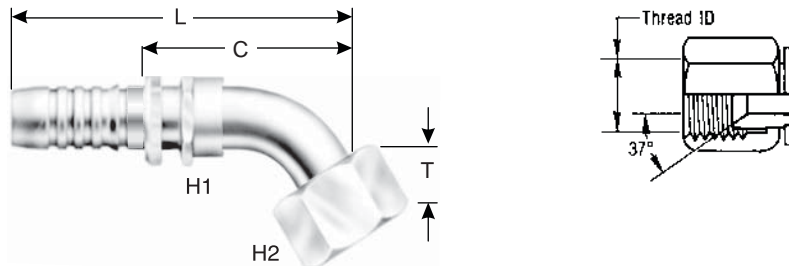
GlobalSpiral™ Couplings

Female JIC 37° Flare Swivel - 45° Medium Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
10GS-10FJX45-018	7347-83275	5/8	15.8	7/8-14	1 3/16	1 1/16	.71	18.0	4.45	113.0	2.48	63.0	1
16GS-16FJX45M	7347-26555	1	25.4	1 5/16-12	1 1/2	1 1/2	1.50	38.0	6.30	160.0	4.07	103.4	1
20GS-20FJX45-038	7347-76175	1 1/4	31.7	1 5/8-12	1 7/8	2	1.50	38.0	7.09	180.0	4.29	108.9	1
24GSP-24FJX45-050	7347-83735	1 1/2	38.1	1 7/8-12	2.16	2.36	1.97	50.0	9.17	233.0	6.28	159.5	1
BULK PACK													
10GS-10FJX45-018XBULK	7347-8327	5/8	15.8	7/8-14	1 3/16	1 1/16	1.71	18.0	4.45	113.0	2.48	63.0	100
16GS-16FJX45MXBULK	7347-2655	1	25.4	1 5/16-12	1 1/2	1 1/2	1.50	38.0	6.30	160.0	4.07	103.4	25
20GS-20FJX45-038XBULK	7347-7617	1 1/4	31.7	1 5/8-12	1 7/8	2	1.50	38.0	7.09	180.0	4.29	108.9	15
24GSP-24FJX45M XBULK	7347-8373	1 1/2	38.1	1 7/8-12	2.16	2.36	1.97	50.0	9.17	233.0	6.28	159.5	10

Female JIC 37° Flare Swivel - 60° Bent Tube

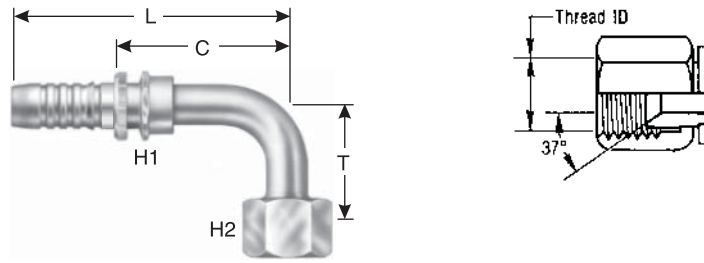


Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
12GS-12FJX60-043	7347-76795	3/4	19.1	1 1/16-12	1 1/8	1 1/4	1.69	43.0	5.59	142.0	3.58	91.0	1





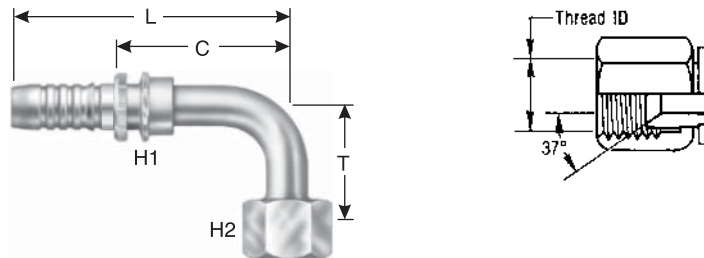
Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
10GS-10FJX90-036	7347-84275	5/8	15.8	7/8-14	1 3/16	1 1/16	1.42	36.0	4.37	111.0	1.70	43.3	1
24GSP-24FJX90-089	7347-84745	1 1/2	38.1	1 7/8-12	2.16	2.36	3.50	89.0	8.35	212.0	5.45	138.4	1
24GSP-24FJX90-118	7347-84755	1 1/2	38.1	1 7/8-12	2.16	2.36	4.65	118.0	7.46	189.5	4.56	115.8	1
BULK PACK													
10GS-10FJX90-036XBULK	7347-8427	5/8	15.8	7/8-14	1 3/16	1 1/16	1.42	36.0	4.37	111.0	1.70	43.3	100
24GSP-24FJX90 XBULK	7347-8475	1 1/2	38.1	1 7/8-12	2.16	2.36	4.65	118.0	7.46	189.5	4.56	115.8	10
24GSP-24FJX90S XBULK	7347-8474	1 1/2	38.1	1 7/8-12	2.16	2.36	3.50	89.0	8.35	212.0	5.45	138.4	10

Female JIC 37° Flare Swivel - 90° Short Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-S.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-6FJX90S	7347-27145	3/8	9.5	9/16-18	3/4	3/4	.91	23.0	3.11	79.0	1.70	43.2	1
8GS-8FJX90S	7347-27245	1/2	12.7	3/4-16	7/8	7/8	1.14	29.0	3.39	86.0	1.91	48.6	1
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	54.5	1
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	73.5	1
10GS-10FJX90S	7347-27345	5/8	15.8	7/8-14	1	1 1/16	1.26	32.0	4.21	107.0	2.24	56.8	1
12GS-12FJX90S	7347-27445	3/4	19.1	1 1/16-12	1 1/8	1 1/4	1.89	48.0	4.45	113.0	2.44	62.0	1
12GS-16FJX90S	7347-27465	3/4	19.1	1 5/16-12	1 1/8	1 1/2	2.20	56.0	5.31	135.0	3.31	84.0	1
16GS-16FJX90S	7347-27555	1	25.4	1 5/16-12	1 7/8	1 1/2	2.20	56.0	5.67	144.0	3.45	87.6	1
20GS-20FJX90S	7347-27645	1 1/4	31.7	1 5/8-12	1 7/8	2	2.52	64.0	6.85	174.0	4.05	102.9	1
BULK PACK													
8GS-8FJX90SXBULK	7347-2724	1/2	12.7	3/4-16	7/8	7/8	1.14	29.0	3.39	86.0	1.91	48.6	170
8GS-10FJX90SXBULK	7347-2725	1/2	12.7	7/8-14	7/8	1 1/16	1.26	32.0	3.62	92.0	2.15	54.5	125
8GS-12FJX90SXBULK	7347-2726	1/2	12.7	1 1/16-12	7/8	1 1/4	1.89	48.0	4.37	111.0	2.89	73.5	75
10GS-10FJX90SXBULK	7347-2734	5/8	15.8	7/8-14	1	1 1/16	1.26	32.0	4.21	107.0	2.24	56.8	100
12GS-12FJX90SXBULK	7347-2744	3/4	19.1	1 1/16-12	1 1/8	1 1/4	1.89	48.0	4.45	113.0	2.44	62.0	50
16GS-16FJX90SXBULK	7347-2755	1	25.4	1 5/16-12	1 7/8	1 1/2	2.20	56.0	5.67	144.0	3.45	87.6	25

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

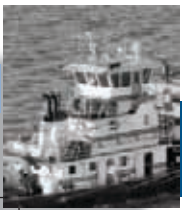
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS


QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

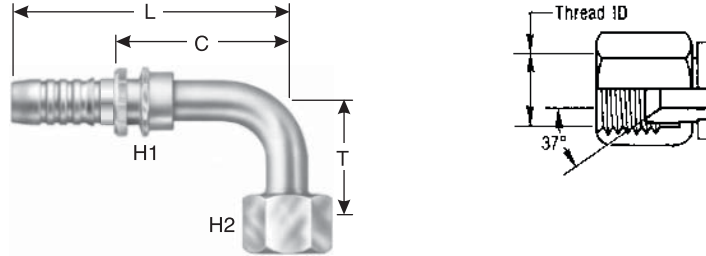
EQUIPMENT AND PARTS


Female JIC 37° Flare Swivel - 90° Short Bent Tube - Cont'd

Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
20GS-20FJX90SX BULK	7347-2764	1 1/4	31.7	1 5/8-12	1 7/8	2	2.52	64.0	6.85	174.0	4.05	102.9	20

Female JIC 37° Flare Swivel - 90° Medium Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-S.



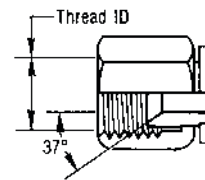
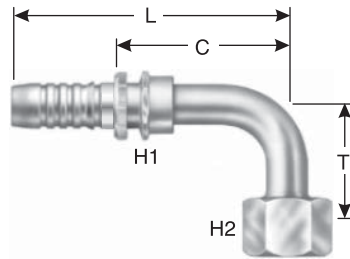
Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-6FJX90M	7347-84045	3/8	9.5	9/16-18	7/8	3/4	1.50	38.0	3.11	79.0	1.70	43.2	1
6GS-8FJX90M	7347-28155	3/8	9.5	3/4-16	3/4	7/8	1.61	41.0	3.58	91.0	2.17	55.2	1
8GS-8FJX90M	7347-28245	1/2	12.7	3/4-16	7/8	7/8	1.61	41.0	3.62	92.0	2.15	54.6	1
8GS-10FJX90M	7347-28165	1/2	12.7	7/8-14	7/8	1 1/16	1.85	47.0	3.50	89.0	2.01	51.0	1
10GS-10FJX90M	7347-84285	5/8	15.8	7/8-14	1	1 1/16	1.85	47.0	4.21	107.0	2.23	56.7	1
10GS-12FJX90M	7347-28355	5/8	15.8	1 1/16-12	1	1 1/4	2.28	58.0	4.76	121.0	2.78	70.7	1
12GS-12FJX90M	7347-28445	3/4	19.1	1 1/16-12	1 1/8	1 1/4	2.28	58.0	4.45	113.0	2.44	62.0	1
12GS-14FJX90-060	7347-28455	3/4	19.1	1 3/16-12	1 1/8	1 3/8	2.36	60.0	5.55	141.0	3.54	90.0	1
12GS-16FJX90M	7347-28465	3/4	19.1	1 5/16-12	1 1/8	1 1/2	2.80	71.0	5.31	135.0	3.31	84.0	1
16GS-16FJX90M	7347-28555	1	25.4	1 5/16-12	1 1/2	1 1/2	2.80	71.0	5.67	144.0	3.45	87.6	1
20GS-20FJX90M	7347-28645	1 1/4	31.7	1 5/8-12	1 7/8	2	3.07	78.0	6.85	174.0	4.05	102.9	1
20GS-24FJX90M	7347-28655	1 1/4	31.7	1 7/8-12	1 7/8	2 3/8	3.39	86.0	7.32	186.0	4.52	114.9	1
BULK PACK													
8GS-8FJX90MxBULK	7347-2824	1/2	12.7	3/4-16	7/8	7/8	1.61	41.0	3.62	92.0	2.15	54.6	125
8GS-10FJX90MxBULK	7347-2816	1/2	12.7	7/8-14	7/8	1 1/16	1.85	47.0	3.50	89.0	2.01	51.0	125
10GS-10FJX90MxBULK	7347-8428	5/8	15.8	7/8-14	1	1 1/16	1.85	47.0	4.21	107.0	2.23	56.7	75
12GS-12FJX90MxBULK	7347-2844	3/4	19.1	1 1/16-12	1 1/8	1 1/4	2.28	58.0	4.45	113.0	2.44	62.0	55
16GS-16FJX90MxBULK	7347-2855	1	25.4	1 5/16-12	1 1/2	1 1/2	2.80	71.0	5.67	144.0	3.45	87.6	30
20GS-20FJX90MxBULK	7347-2864	1 1/4	31.7	1 5/8-12	1 7/8	2	3.07	78.0	6.85	174.0	4.05	102.9	20





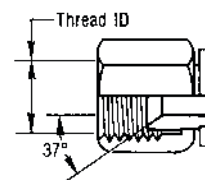
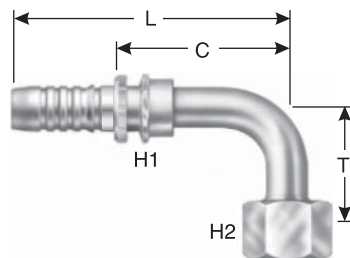
Female JIC 37° Flare Swivel - 90° Long Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-S.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-6FJX90L	7347-29145	3/8	9.5	9/16-18	3/4	3/4	2.13	54.0	3.39	86.0	1.98	50.2	1
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	1
8GS-10FJX90L	7347-29255	1/2	12.7	7/8-14	7/8	1 1/16	3.27	83.0	3.74	95.0	2.26	57.5	1
12GS-12FJX90L	7347-29445	3/4	19.1	1 1/16-12	1 1/8	1 1/4	3.78	96.0	4.45	113.0	2.44	62.0	1
12GS-16FJX90L	7347-29465	3/4	19.1	1 5/16-12	1 1/8	1 1/2	4.49	114.0	5.32	135.0	3.31	84.0	1
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
16GS-20FJX90L	7347-29565	1	25.4	1 5/8-12	1 1/2	2	5.08	129.0	6.06	154.0	3.84	97.6	1
20GS-20FJX90L	7347-29645	1 1/4	31.7	1 5/8-12	1 7/8	2	5.08	129.0	6.85	174.0	4.05	102.9	1
BULK PACK													
8GS-8FJX90LXBULK	7347-2924	1/2	12.7	3/4-16	7/8	7/8	2.52	64.0	3.62	92.0	2.15	54.6	100
8GS-10FJX90LXBULK	7347-2925	1/2	12.7	7/8-14	7/8	1 1/16	3.27	83.0	3.74	95.0	2.26	57.5	75
12GS-12FJX90LXBULK	7347-2944	3/4	19.1	1 1/16-12	1 1/8	1 1/4	3.78	96.0	4.45	113.0	2.44	62.0	25
16GS-16FJX90LXBULK	7347-2955	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	25
16GS-20FJX90LXBULK	7347-2956	1	25.4	1 5/8-12	1 1/2	2	5.08	129.0	6.06	154.0	3.84	97.6	20

Female JIC 37° Flare Swivel - 90° Extra Long Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-8FJX90-083	7347-76785	3/8	9.5	3/4-16	3/4	7/8	3.27	83.0	3.58	91.0	2.17	55.2	1
8GS-8FJX90XL	7347-73065	1/2	12.7	3/4-16	7/8	7/8	4.06	103.0	3.62	92.0	2.15	54.6	1

- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS





EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

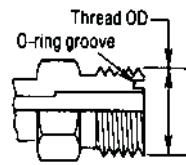
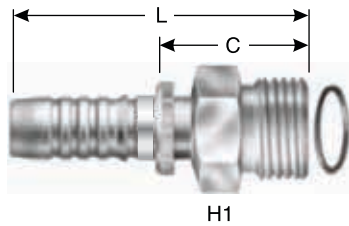
NEW BALL VALVES


ACCESSORIES

EQUIPMENT AND PARTS

Male Flat-Face O-Ring

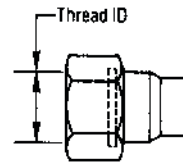
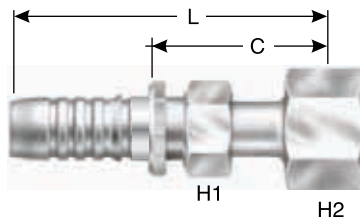
Includes Peroxide-cured O-Ring
Metric Hex per ISO Draft International Standard 12151-1.
Utilizes SAE J1453 Captive O-Ring Groove for Improved O-Ring Retention.




Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
6GS-6MFFOR	7347-23865	3/8	9.5	11/16-16	19.0	—	2.52	64.0	1.11	28.2	1
8GS-8MFFOR	7347-23825	1/2	12.7	13/16-16	22.0	—	2.68	68.0	1.20	30.5	1
8GS-10MFFOR	7347-23895	1/2	12.7	1-14	27.0	—	2.91	74.0	1.44	36.5	1
10GS-10MFFOR	7347-23875	5/8	15.8	1-14	27.0	—	3.42	87.0	1.44	36.7	1
10GS-12MFFOR	7347-23885	5/8	15.8	1 3/16-12	32.0	—	3.50	89.0	1.52	38.7	1
12GS-12MFFOR	7347-23835	3/4	19.1	1 3/16-12	32.0	—	3.50	89.0	1.50	38.0	1
12GS-16MFFOR	7347-23845	3/4	19.1	1 7/16-12	41.0	—	3.74	95.0	1.73	44.0	1
16GS-16MFFOR	7347-23815	1	25.4	1 7/16-12	41.0	—	4.02	102.0	1.78	45.2	1
20GS-20MFFOR	7347-23855	1 1/4	31.7	1 11/16-12	12.7	—	4.72	120.0	1.93	48.9	1
24GSP-24MFFOR	7347-23905	1 1/2	38.1	2-12	55.0	—	5.12	130.0	2.22	56.4	1
BULK PACK											
8GS-8MFFORXBULK	7347-2382	1/2	12.7	13/16-16	22.0	—	2.68	68.0	1.20	30.5	100
12GS-12MFFORXBULK	7347-2383	3/4	19.1	1 3/16-12	32.0	—	3.50	89.0	1.50	38.0	60
16GS-16MFFORXBULK	7347-2381	1	25.4	1 7/16-12	41.0	—	4.02	102.0	1.78	45.2	50
24GSP-24MFFOR XBULK	7347-2390	1 1/2	38.1	2-12	55.0	—	5.12	130.0	2.22	56.4	35

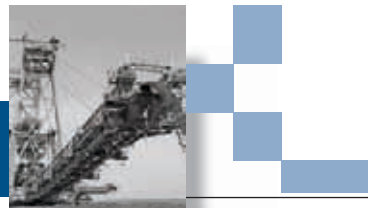
Female Flat-Face O-Ring Swivel

Metric Hex per ISO Draft International Standard 12151-1.
SAE J1453 O-Ring Face Seal.




Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
6GS-6FFORX	7347-30145	3/8	9.5	11/16-16	22.0	22.0	2.72	69.0	1.31	33.2	1
6GS-8FFORX	7347-30155	3/8	9.5	13/16-16	22.0	24.0	2.83	72.0	1.43	36.2	1
8GS-8FFORX	7347-30245	1/2	12.7	13/16-16	27.0	24.0	2.87	73.0	1.40	35.5	1
8GS-10FFORX	7347-30255	1/2	12.7	1-14	27.0	30.0	3.07	78.0	1.59	40.5	1
8GS-12FFORX	7347-30265	1/2	12.7	1 3/16-12	27.0	36.0	3.11	79.0	1.63	41.5	1
10GS-10FFORX	7347-30345	5/8	15.8	1-14	30.0	30.0	3.70	94.0	1.72	43.7	1
10GS-12FFORX	7347-30355	5/8	15.8	1 3/16-12	30.0	36.0	3.74	95.0	1.76	44.7	1

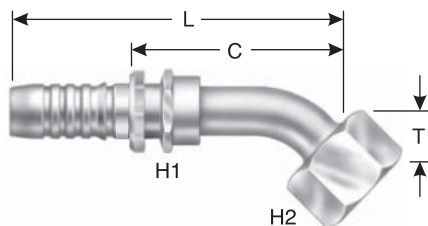





Female Flat-Face O-Ring Swivel - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
12GS-10FFORX	7347-30435	3/4	19.1	1-14	32.0	30.0	3.82	97.0	1.81	46.0	1
12GS-12FFORX	7347-30445	1	25.4	1 3/16-12	32.0	36.0	1.95	99.0	1.89	48.0	1
12GS-16FFORX	7347-30465	1	25.4	1 7/16-12	32.0	41.0	4.06	103.0	2.05	52.0	1
12GS-20FFORX	7347-30475	3/4	6.4	1 11/16-12	32.0	50.0	3.91	99.3	1.90	48.3	1
16GS-12FFORX	7347-30535	1	25.4	1 3/16-12	36.0	36.0	5.15	131.0	2.92	74.2	1
16GS-16FFORX	7347-30555	1	25.4	1 7/16-12	41.0	41.0	4.36	110.8	2.14	54.4	1
16GS-20FFORX	7347-30565	1	25.4	1 11/16-12	41.0	50.0	4.36	110.7	2.14	54.3	1
20GS-20FFORX	7347-30645	1 1/4	31.7	1 11/16-12	50.0	50.0	5.04	128.0	2.24	56.9	1
20GS-24FFORX	7347-30655	1 1/4	31.7	2-12	50.0	60.0	5.12	130.0	2.32	58.9	1
BULK PACK											
6GS-6FFORX XBULK	7347-3014	3/8	9.5	11/16-16	22.0	22.0	2.72	69.0	1.31	33.2	250
6GS-8FFORX XBULK	7347-3015	3/8	9.5	13/16-16	22.0	24.0	2.83	72.0	1.43	36.2	150
8GS-8FFORX XBULK	7347-3024	1/2	12.7	13/16-16	27.0	24.0	2.87	73.0	1.40	35.5	200
8GS-10FFORX XBULK	7347-3025	1/2	12.7	1-14	27.0	30.0	3.07	78.0	1.59	40.5	80
8GS-12FFORX XBULK	7347-3026	1/2	12.7	1 3/16-12	27.0	36.0	3.11	79.0	1.63	41.5	100
12GS-10FFORX XBULK	7347-3043	3/4	19.1	1-14	32.0	30.0	3.82	97.0	1.81	46.0	60
12GS-12FFORX XBULK	7347-3044	1	25.4	1 3/16-12	32.0	36.0	1.95	99.0	1.89	48.0	75
12GS-16FFORX XBULK	7347-3046	1	25.4	1 7/16-12	32.0	41.0	4.06	103.0	2.05	52.0	50
16GS-16FFORX XBULK	7347-3055	1	25.4	1 7/16-12	41.0	41.0	4.36	110.8	2.14	54.4	50
16GS-20FFORX XBULK	7347-3056	1	25.4	1 11/16-12	41.0	50.0	4.36	110.7	2.14	54.3	35
20GS-20FFORX XBULK	7347-3064	1 1/4	31.7	1 11/16-12	50.0	50.0	5.04	128.0	2.24	56.9	25

Female Flat-Face O-Ring Swivel - 22° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
16GS-16FFORX22-011	7347-78615	1	19.1	1 7/16-12	41.0	41.0	.43	11.0	5.87	149.9	3.68	93.5	1

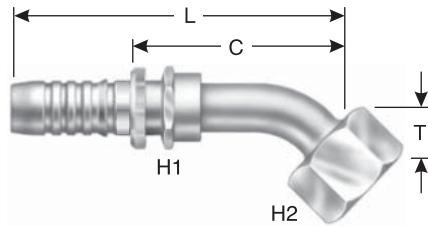
EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

Female Flat-Face O-Ring Swivel - 30° Bent Tube

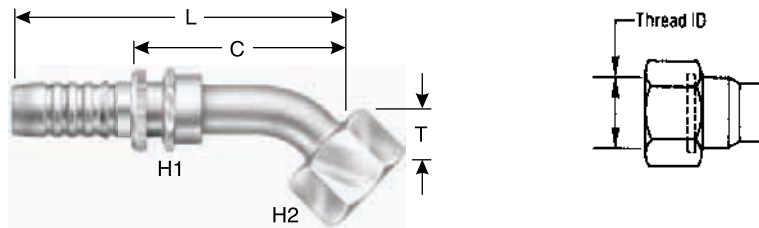


Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
16GS-16FFORX30-14	7347-76345	1	19.1	1 7/16-12	41.0	41.0	.55	14.0	5.87	149.0	3.64	92.5	1

Female Flat-Face O-Ring Swivel - 45° Short Bent Tube

Metric Hex per ISO Draft International Standard 12151-1.

SAE J1453 O-Ring Face Seal.



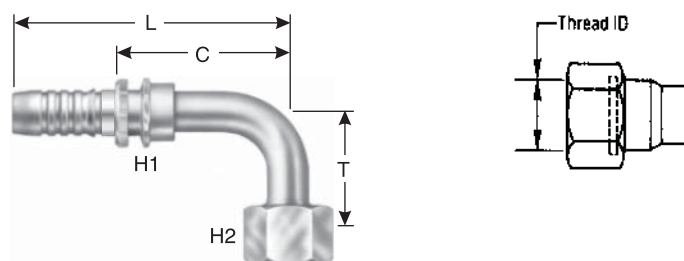
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-6FFORX45S	7347-31145	3/8	9.5	11/16-16	22.0	22.0	.43	11.0	3.23	82.0	1.82	46.2	1
6GS-8FFORX45S	7347-31155	3/8	9.5	13/16-16	22.0	24.0	.59	15.0	3.66	93.0	2.25	57.2	1
8GS-8FFORX45S	7347-31245	1/2	12.7	13/16-16	27.0	24.0	.59	15.0	3.70	94.0	2.22	56.5	1
8GS-10FFORX45S	7347-31255	1/2	12.7	1-14	27.0	30.0	.63	16.0	3.90	99.0	2.42	61.5	1
8GS-12FFORXMM45S-021	7347-31265	1/2	12.7	1 3/16-12	27.0	36.0	.82	21.0	4.53	115.0	3.05	77.5	1
10GS-10FFORX45S	7347-31345	5/8	15.8	1-14	30.0	30.0	.63	16.0	4.37	111.0	2.39	60.7	1
12GS-12FFORX45S	7347-31445	3/4	19.1	1 3/16-12	32.0	36.0	.83	21.0	4.92	125.0	2.91	74.0	1
12GS-16FFORX45S	7347-31465	3/4	19.1	1 7/16-12	32.0	24.0	.94	24.0	5.39	137.0	3.39	86.0	1
16GS-16FFORX45S	7347-31555	1	25.4	1 7/16-12	41.0	24.0	.94	24.0	5.67	144.0	3.46	87.8	1
16GS-20FFORX45S	7347-31565	1	25.4	1 11/16-12	41.0	50.0	.98	25.0	6.46	164.0	4.24	107.6	1
20GS-20FFORX45-032	7347-76045	1 1/4	31.7	1 11/16-12	50.0	50.0	1.26	32.0	7.09	180.0	4.29	108.9	1
BULK PACK													
8GS-8FFORX45SXBULK	7347-3124	1/2	12.7	13/16-16	27.0	24.0	.59	15.0	3.70	94.0	2.22	56.5	125
12GS-12FFORX45SXBULK	7347-3144	3/4	19.1	1 3/16-12	32.0	36.0	.83	21.0	4.92	125.0	2.91	74.0	60
12GS-16FFORX45SXBULK	7347-3146	3/4	19.1	1 7/16-12	32.0	24.0	.94	24.0	5.39	137.0	3.39	86.0	40
16GS-16FFORX45SXBULK	7347-3155	1	25.4	1 7/16-12	41.0	24.0	.94	24.0	5.67	144.0	3.46	87.8	35
16GS-20FFORX45SXBULK	7347-3156	1	25.4	1 11/16-12	41.0	50.0	.98	25.0	6.46	164.0	4.24	107.6	25
20GS-20FFORX45-032XBULK	7347-7604	1 1/4	31.7	1 11/16-12	50.0	50.0	1.26	32.0	7.09	180.0	4.29	108.9	25





Female Flat-Face O-Ring Swivel - 90° Short Bent Tube

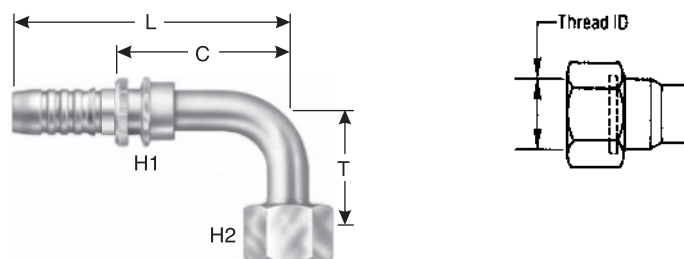
Metric Hex per ISO Draft International Standard 12151-1.
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⌀		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-6FFORX90S	7347-32145	3/8	9.5	11/16-16	22.0	22.0	.91	23.0	3.07	78.0	1.66	42.2	1
8GS-8FFORX90S	7347-32245	1/2	12.7	13/16-16	27.0	24.0	1.14	29.0	3.39	86.0	1.91	48.5	1
8GS-12FFORX90S	7347-32265	1/2	12.7	1 3/16-12	27.0	36.0	1.89	48.0	4.21	107.0	2.74	69.5	1
10GS-10FFORX90S	7347-32345	5/8	15.8	1-14	30.0	30.0	1.26	32.0	4.20	106.6	2.22	56.3	1
12GS-10FFORX90S	7347-32435	3/4	19.1	1-14	30.0	30.0	1.26	32.0	4.37	111.0	2.36	60.0	1
12GS-12FFORX90S	7347-32445	3/4	19.1	1 3/16-12	32.0	36.0	1.89	48.0	5.04	128.0	3.03	77.0	1
12GS-16FFORX90S	7347-32465	3/4	19.1	1 7/16-12	32.0	41.0	2.20	56.0	5.39	137.0	3.39	86.0	1
16GS-16FFORX90S	7347-32555	1	25.4	1 7/16-12	41.0	41.0	2.20	56.0	5.67	144.0	3.45	87.6	1
16GS-20FFORX90S	7347-32565	1	25.4	1 11/16-12	41.0	50.0	2.52	64.0	6.06	154.0	3.84	97.6	1
20GS-20FFORX90S	7347-32645	1 1/4	31.7	1 11/16-12	50.0	50.0	2.52	64.0	6.77	172.0	3.97	100.9	1
20GS-24FFORX90-064	7347-76985	1 1/4	31.7	2-12	50.0	60.0	2.52	64.0	6.77	172.0	3.97	100.9	1
BULK PACK													
8GS-8FFORX90SXBULK	7347-3224	1/2	12.7	13/16-16	27.0	24.0	1.14	29.0	3.39	86.0	1.91	48.5	140
12GS-12FFORX90SXBULK	7347-3244	3/4	19.1	1 3/16-12	32.0	36.0	1.89	48.0	5.04	128.0	3.03	77.0	50
12GS-16FFORX90SXBULK	7347-3246	3/4	19.1	1 7/16-12	32.0	41.0	2.20	56.0	5.39	137.0	3.39	86.0	35
16GS-16FFORX90SXBULK	7347-3255	1	25.4	1 7/16-12	41.0	41.0	2.20	56.0	5.67	144.0	3.45	87.6	25
20GS-20FFORX90SXBULK	7347-3264	1 1/4	31.7	1 11/16-12	50.0	50.0	2.52	64.0	6.77	172.0	3.97	100.9	20

Female Flat-Face O-Ring Swivel - 90° Medium 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		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-8FFORX90M	7347-33155	3/8	9.5	13/16-16	22.0	24.0	1.61	41.0	3.35	85.0	1.94	49.2	1
8GS-8FFORX90M	7347-33245	5/8	15.8	1-14	27.0	24.0	1.61	41.0	3.39	86.0	1.91	48.5	1
8GS-10FFORX90M	7347-33255	1/2	12.7	1-14	27.0	30.0	1.85	47.0	3.98	101.0	2.50	63.5	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS


QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

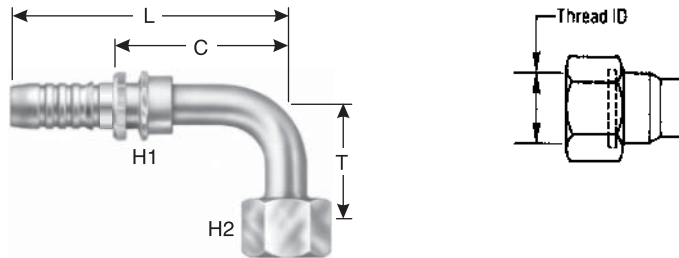
EQUIPMENT AND PARTS


Female Flat-Face O-Ring Swivel - 90° Medium Bent Tube - Cont'd

Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
10GS-10FFORX90M	7347-33345	5/8	15.8	1-14	30.0	30.0	1.85	47.0	4.21	107.0	2.20	56.0	1
12GS-12FFORX90M	7347-33445	3/4	19.1	1 3/16-12	32.0	36.0	2.28	58.0	5.04	128.0	3.03	77.0	1
12GS-16FFORX90M	7347-33465	3/4	19.1	1 7/16-12	32.0	41.0	2.80	71.0	5.39	137.0	3.39	86.0	1
16GS-16FFORX90M	7347-33555	1	25.4	1 7/16-12	41.0	41.0	2.80	71.0	5.67	144.0	3.45	87.6	1
16GS-20FFORX90M	7347-33565	1	25.4	1 11/16-12	41.0	50.0	3.07	78.0	6.05	153.6	3.83	97.2	1
20GS-20FFORX90M	7347-33645	1 1/4	31.7	1 11/16-12	50.0	50.0	3.07	78.0	6.77	172.0	3.97	100.9	1
BULK PACK													
12GS-12FFORX90MXBULK	7347-33444	3/4	19.1	1 3/16-12	32.0	36.0	2.28	58.0	5.04	128.0	3.03	77.0	40
16GS-16FFORX90MXBULK	7347-33555	1	25.4	1 7/16-12	41.0	41.0	2.80	71.0	5.67	144.0	3.45	87.6	30

Female Flat-Face O-Ring Swivel - 90° Long Bent Tube

Metric Hex per ISO Draft International Standard 12151-1.
SAE J1453 O-Ring Face Seal.



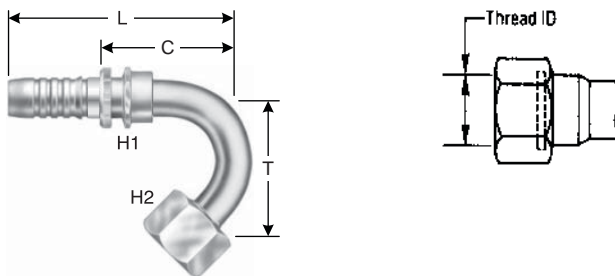
Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-6FFORX90L	7347-34145	3/8	9.5	11/16-16	22.0	22.0	2.13	54.0	3.35	85.0	1.94	49.2	1
8GS-8FFORX90-083	7347-73845	1/2	12.7	13/16-16	27.0	24.0	3.27	83.0	3.39	86.0	1.91	48.5	1
8GS-10FFORX90L	7347-34255	1/2	12.7	1-14	27.0	30.0	2.76	70.0	3.98	101.0	2.50	63.5	1
10GS-10FFORX90L	7347-34345	5/8	15.8	1-14	30.0	30.0	2.76	70.0	4.45	113.0	2.44	62.0	1
12GS-12FFORX90L	7347-34445	3/4	19.1	1 3/16-12	32.0	36.0	3.78	96.0	5.04	128.0	3.03	77.0	1
12GS-16FFORX90L	7347-34465	3/4	19.1	1 7/16-12	32.0	41.0	4.49	114.0	5.39	137.0	3.39	86.0	1
16GS-16FFORX90L	7347-34555	1	25.4	1 7/16-12	41.0	41.0	4.49	114.0	5.67	144.0	3.45	87.6	1
16GS-20FFORX90L	7347-34565	1	25.4	1 11/16-12	41.0	50.0	5.08	129.0	6.05	153.6	3.83	97.2	1
20GS-20FFORX90L	7347-34645	1 1/4	31.7	1 11/16-12	50.0	50.0	5.08	129.0	6.77	172.0	3.97	100.9	1
BULK PACK													
12GS-12FFORX90LXBULK	7347-34444	3/4	19.1	1 3/16-12	32.0	36.0	3.78	96.0	5.04	128.0	3.03	77.0	25
12GS-16FFORX90LXBULK	7347-34466	3/4	19.1	1 7/16-12	32.0	41.0	4.49	114.0	5.39	137.0	3.39	86.0	30
16GS-16FFORX90LXBULK	7347-34555	1	25.4	1 7/16-12	41.0	41.0	4.49	114.0	5.67	144.0	3.45	87.6	20





Female Flat-Face O-Ring Swivel - 135° Bent Tube

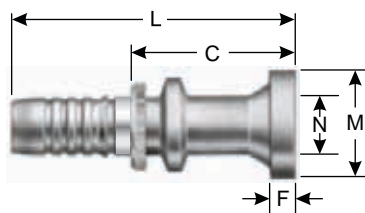
Metric Hex per ISO Draft International Standard 12151-1.
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⌀			H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
12GS-16FFORX135	7347-73795	3/4	19.1	1 7/16-12	27.0	24.0	3.28	83.0	3.39	86.0	1.48	37.5	1

Code 61 O-Ring Flange

See Accessories for O-Rings.



Descr.	Prod. No.	⌀		N	M		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-8FL	7347-41155	3/8	9.5	1/2	1.19	30.2	3.54	90.0	2.13	54.2	.27	6.7	1
8GS-8FL	7347-41245	1/2	12.7	1/2	1.19	30.2	3.66	93.0	2.19	55.5	.27	6.7	1
8GS-12FL	7347-41265	1/2	12.7	3/4	1.50	38.1	3.86	98.0	2.38	60.5	.27	6.7	1
8GS-16FL	7347-41285	1/2	12.7	1	1.75	44.5	2.84	72.2	1.37	34.7	.32	8.0	1
10GS-12FL	7347-41355	5/8	15.8	3/4	1.50	38.1	4.29	109.0	2.31	58.7	.27	6.7	1
12GS-8FL	7347-41425	3/4	19.1	1/2	1.19	30.2	4.41	112.0	2.40	61.0	.27	6.7	1
12GS-12FL	7347-41445	3/4	19.1	3/4	1.50	38.1	4.37	111.0	2.36	60.0	.27	6.7	1
12GS-16FL*	7347-41465	3/4	19.1	1	1.75	44.5	4.37	111.0	2.36	60.0	.32	8.0	1
12GS-20FL*	7347-41475	3/4	19.1	1 1/4	2.00	50.8	4.37	111.0	2.36	60.0	.32	8.0	1
16GS-12FL	7347-41535	1	25.4	3/4	1.50	38.1	4.65	118.0	2.40	61.0	.27	6.7	1
16GS-16FL*	7347-41555	1	25.4	1	1.75	44.5	4.92	125.0	2.70	68.6	.32	8.0	1
16GS-20FL*	7347-41565	1	25.4	1 1/4	2.00	50.8	4.92	125.0	2.69	68.2	.32	8.0	1
16GS-24FL*	7347-41575	1	25.4	1 1/2	2.38	60.5	4.92	125.0	1.90	48.2	.32	8.0	1
20GS-16FL*	7347-41635	1 1/4	31.7	1	1.75	44.5	5.35	136.0	2.55	64.9	.32	8.0	1
20GS-20FL*	7347-41645	1 1/4	31.7	1 1/4	2.00	50.8	5.75	146.0	2.95	74.9	.32	8.0	1
20GS-24FL*	7347-41655	1 1/4	31.7	1 1/2	2.38	60.5	6.30	160.0	3.50	88.9	.32	8.0	1
20GS-32FL*	7347-41665	1 1/4	31.7	2	2.81	71.4	5.71	145.0	2.91	73.9	.38	9.5	1
24GSP-24FL	7347-41725	1 1/2	38.1	1 1/2	2.38	60.3	6.02	152.9	3.12	79.3	.32	8.0	1
32GSP-32FL	7347-41795	2	50.8	2	2.81	71.4	6.27	159.3	2.65	67.3	.38	9.5	1
BULK PACK													
8GS-8FLXBULK	7347-4124	1/2	12.7	1/2	1.19	30.2	3.66	93.0	2.19	55.5	.27	6.7	100

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



GlobalSpiral™ Couplings



EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

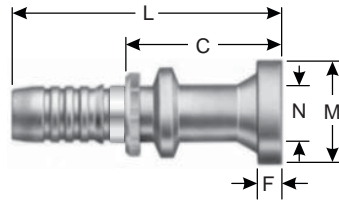
Code 61 O-Ring Flange - Cont'd

Descr.	Prod. No.	⊖		N		M		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm		
8GS-12FLXBULK	7347-4126	1/2	12.7	3/4	1.19	38.2	3.66	98.0	2.38	60.5	.27	6.7	60	
12GS-12FLXBULK	7347-4144	3/4	19.1	3/4	1.50	38.1	4.37	111.0	2.36	60.0	.27	6.7	70	
12GS-16FLXBULK	7347-4146	3/4	19.1	1	1.75	44.5	4.37	111.0	2.36	60.0	.32	8.0	50	
16GS-16FLXBULK	7347-4155	1	25.4	1	1.75	44.5	4.92	125.0	2.70	68.6	.32	8.0	45	
16GS-20FLXBULK	7347-4156	1	25.4	1 1/4	2.00	50.8	4.92	125.0	2.69	68.2	.32	8.0	35	
20GS-20FLXBULK	7347-4164	1 1/4	31.7	1 1/4	2.00	50.8	5.75	146.0	2.95	74.9	.32	8.0	25	
20GS-24FLXBULK	7347-4165	1 1/4	31.7	1 1/2	2.38	60.5	6.30	160.0	3.50	88.9	.32	8.0	25	
24GSP-24FL XBULK	7347-4172	1 1/2	38.1	1 1/2	2.38	60.3	6.02	152.9	3.12	79.3	.32	8.0	20	
32GSP-32FL XBULK	7347-4179	2	50.8	2	2.81	71.4	6.27	159.3	2.65	67.3	.38	9.5	15	

* -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. 2,000 psi.

Code 61 O-Ring Flange Long Neck

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.

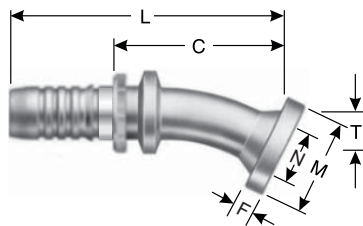


Descr.	Prod. No.	⊖		N		M		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK														
12GS-12FLL	7347-41455	3/4	19.1	3/4	1.50	38.1	5.20	132.0	3.19	81.0	.27	6.7	1	
16GS-16FLL*	7347-41545	1	25.4	1	1.75	44.5	5.63	143.0	3.41	86.6	.32	8.0	1	
20GS-20FLL*	7347-41675	1 1/4	31.7	1 1/4	2.00	50.8	6.26	159.0	3.46	87.9	.32	8.0	1	

* -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. 2,000 psi.

Code 61 O-Ring Flange - 22½° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
8GS-8FL22M	7347-42245	1/2	12.7	1/2	1.19	30.2	.35	9.0	3.78	96.0	2.30	58.5	.27	6.7	1	
12GS-12FL22M	7347-42445	3/4	19.1	3/4	1.50	38.1	.43	11.0	5.16	131.0	3.15	80.0	.27	6.7	1	
12GS-16FL22M*	7347-42465	3/4	19.1	1	1.75	44.5	.55	14.0	5.24	133.0	3.23	82.0	.32	8.0	1	





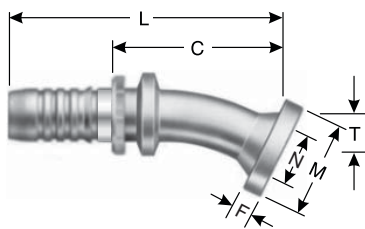
Code 61 O-Ring Flange - 22½° Bent Tube - Cont'd

Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
16GS-16FL22M*	7347-42555	1	25.4	1	1.75	44.5	.55	14.0	6.10	155.0	3.87	98.4	.32	8.0	1
16GS-20FL22M*	7347-42565	1	25.4	1 1/4	2.00	50.8	.59	15.0	6.61	168.0	4.37	111.0	.32	8.0	1
20GS-20FL22M*	7347-42645	1 1/4	31.7	1 1/4	2.00	50.8	.59	15.0	7.01	178.0	4.21	106.9	.32	8.0	1
20GS-24FL22M*	7347-42655	1 1/4	31.7	1 1/2	2.38	60.5	.71	18.0	7.32	186.0	4.52	114.9	.32	8.0	1
BULK PACK															
12GS-12FL22MXBULK	7347-4244	3/4	19.1	3/4	1.50	38.1	.43	11.0	5.16	131.0	3.15	80.0	.27	6.7	50
16GS-16FL22MXBULK	7347-4255	1	25.4	1	1.75	44.5	.55	14.0	6.10	155.0	3.87	98.4	.32	8.0	30

* -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. 2,000 psi.

Code 61 O-Ring Flange - 30° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
8GS-12FL30M	7347-43265	1/2	12.7	3/4	1.50	38.1	.63	16.0	3.94	100.0	2.46	62.5	.27	6.7	1
12GS-12FL30M	7347-43445	3/4	19.1	3/4	1.50	38.1	.63	16.0	5.08	129.0	3.07	78.0	.27	6.7	1
12GS-16FL30M*	7347-43465	3/4	19.1	1	1.75	44.5	.75	19.0	4.76	121.0	2.76	70.0	.32	8.0	1
16GS-16FL30M*	7347-43555	1	25.4	1	1.75	44.5	.75	19.0	6.02	153.0	3.80	96.6	.32	8.0	1
16GS-20FL30M*	7347-43565	1	25.4	1 1/4	2.00	50.8	.87	22.0	6.54	166.0	4.29	109.0	.32	8.0	1
20GS-20FL30M*	7347-43645	1 1/4	31.7	1 1/4	2.00	50.8	.87	22.0	6.93	176.0	4.13	104.9	.32	8.0	1
20GS-24FL30M*	7347-43655	1 1/4	31.7	1 1/2	2.38	60.5	1.18	30.0	7.17	182.0	4.37	110.9	.32	8.0	1
BULK PACK															
8GS-12FL30MXBULK	7347-4326	1/2	12.7	3/4	1.50	38.1	.63	16.0	3.94	100.0	2.46	62.5	.27	6.7	125
16GS-16FL30MXBULK	7347-4355	1	25.4	1	1.75	44.5	.75	19.0	6.02	153.0	3.80	96.6	.32	8.0	30
20GS-20FL30MXBULK	7347-4364	1 1/4	31.7	1 1/4	2.00	50.8	.87	22.0	6.93	176.0	4.13	104.9	.32	8.0	20

* -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. 2,000 psi.

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

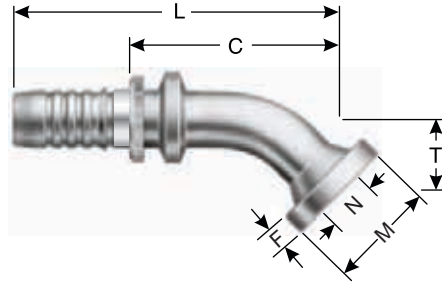


GlobalSpiral™ Couplings



Code 61 O-Ring Flange - 45° Short Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.

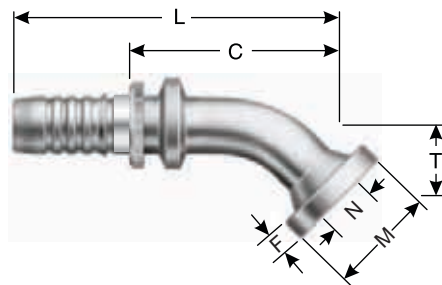


Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
12GS-16FL45S*	7347-73135	3/4	19.1	1	1.75	44.5	1.10	28.0	4.96	126.0	2.95	75.0	.32	8.0	1
20GS-20FL45S*	7347-73565	1 1/4	31.7	1 1/4	2.00	50.8	1.26	32.0	6.69	170.0	3.89	98.9	.32	8.0	1
20GS-24FL45S*	7347-73575	1 1/4	31.7	1 1/2	2.38	60.5	1.50	38.0	6.93	176.0	4.13	104.8	.32	8.0	1
24GSP-20FL45S	7347-44715	1 1/2	38.1	1 1/4	2.00	50.8	1.26	32.0	7.09	180.0	4.49	114.5	.32	8.0	1
24GSP-24FL45S	7347-44725	1 1/2	38.1	1 1/2	2.38	60.3	1.50	38.0	7.95	202.0	5.05	128.6	.32	8.0	1
32GSP-32FL45-066	7347-44805	2	50.8	2	2.81	71.4	2.60	66.0	10.12	257.0	6.50	165.0	.38	9.5	1
BULK PACK															
12GS-16FL45SXBULK	7347-7313	3/4	19.1	1	1.75	44.5	1.10	28.0	4.96	126.0	2.95	75.0	.32	8.0	50
20GS-20FL45SXBULK	7347-7356	1 1/4	31.7	1 1/4	2.00	50.8	1.26	32.0	6.69	170.0	3.89	98.9	.32	8.0	20
24GSP-24FL45S XBULK	7347-4472	1 1/2	38.1	1 1/2	2.38	60.3	1.50	38.0	7.95	202.0	5.05	128.6	.32	8.0	20
32GSP-32FL45-066XBULK	7347-4480	2	50.8	2	2.81	71.4	2.60	66.0	10.12	257.0	6.50	165.0	.38	9.5	5

* -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. 2,000 psi.

Code 61 O-Ring Flange - 45° Medium Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK															
6GS-8FL45M	7347-44155	3/8	9.5	1/2	1.19	30.2	.75	19.0	3.66	93.0	2.25	57.2	.27	6.7	1
8GS-8FL45M	7347-44245	1/2	12.7	1/2	1.19	30.2	.75	19.0	3.70	94.0	2.22	56.5	.27	6.7	1
8GS-12FL45M	7347-44265	1/2	12.7	3/4	1.50	38.1	1.02	26.0	3.98	101.0	2.50	63.5	.27	6.7	1
10GS-12FL45M	7347-44355	5/8	15.8	3/4	1.50	38.1	1.02	26.0	5.00	127.0	3.02	76.7	.27	6.7	1
12GS-12FL45M	7347-44445	3/4	19.1	3/4	1.50	38.1	1.02	26.0	4.88	124.0	2.87	73.0	.27	6.7	1
16GS-16FL45M*	7347-44555	1	25.4	1	1.75	44.5	1.26	32.0	5.79	147.0	3.57	90.6	.32	8.0	1





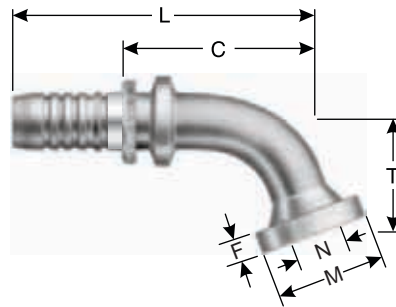
Code 61 O-Ring Flange - 45° Medium Bent Tube - Cont'd

Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
16GS-20FL45M*	7347-44565	1	25.4	1 1/4	2.00	50.8	1.50	38.0	6.22	158.0	3.97	100.8	.32	8.0	1
20GS-16FL45M*	7347-44635	1 1/4	31.7	1	1.75	44.5	1.26	32.0	6.42	163.0	3.62	91.9	.32	8.0	1
BULK PACK															
8GS-8FL45MXBULK	7347-4424	1/2	12.7	1/2	1.19	30.2	.75	19.0	3.70	94.0	2.22	56.5	.27	6.7	125
8GS-12FL45MXBULK	7347-4426	1/2	12.7	3/4	1.50	38.1	1.02	26.0	3.98	101.0	2.50	63.5	.27	6.7	75
12GS-12FL45MXBULK	7347-4444	3/4	19.1	3/4	1.50	38.1	1.02	26.0	4.88	124.0	2.87	73.0	.27	6.7	75
16GS-16FL45MXBULK	7347-4455	1	25.4	1	1.75	44.5	1.26	32.0	5.79	147.0	3.57	90.6	.32	8.0	40
16GS-20FL45MXBULK	7347-4456	1	25.4	1 1/4	2.00	50.8	1.50	38.0	6.22	158.0	3.97	100.8	.32	8.0	25

* -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. 2,000 psi.

Code 61 O-Ring Flange - 60° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
8GS-8FL60M	7347-45245	1/2	12.7	1/2	1.19	30.2	1.06	27.0	4.09	104.0	2.62	66.5	.27	6.7	1
12GS-12FL60M	7347-45445	3/4	19.1	3/4	1.50	38.1	1.46	37.0	5.39	137.0	3.39	86.0	.27	6.7	1
12GS-16FL60M*	7347-45465	3/4	19.1	1	1.75	44.5	1.73	44.0	5.35	136.0	3.35	85.0	.32	8.0	1
16GS-16FL60M*	7347-45555	1	25.4	1	1.75	44.5	1.73	44.0	6.18	157.0	3.97	100.8	.32	8.0	1
16GS-20FL60M*	7347-45565	1	25.4	1 1/4	2.00	50.8	2.17	55.0	6.18	157.0	3.94	100.2	.32	8.0	1
20GS-20FL60M*	7347-45645	1 1/4	31.7	1 1/4	2.00	50.8	2.17	55.0	7.36	187.0	4.56	115.9	.32	8.0	1
20GS-24FL60M*	7347-45655	1 1/4	31.7	1 1/2	2.38	60.5	2.52	64.0	7.68	195.0	4.88	123.9	.32	8.0	1
BULK PACK															
16GS-16FL60MXBULK	7347-4555	1	25.4	1	1.75	44.5	1.73	44.0	6.18	157.0	3.97	100.8	.32	8.0	25

* -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. 2,000 psi.

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

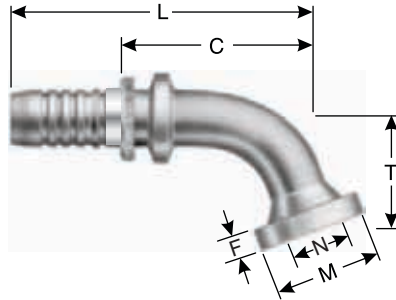




GlobalSpiral™ Couplings

Code 61 O-Ring Flange - 67½° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.

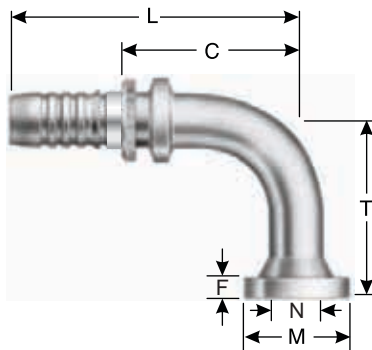


Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK																
8GS-12FL67-032	7347-78025	1/2	12.7	1/2	1.50	38.1	1.26	32.0	3.70	94.0	2.21	56.2	.27	6.7	1	
12GS-12FL67M	7347-46445	3/4	19.1	3/4	1.50	38.1	1.65	42.0	5.20	132.0	3.19	81.0	.27	6.7	1	
12GS-16FL67M*	7347-46465	3/4	19.1	1	1.75	44.5	2.01	51.0	5.08	129.0	3.07	78.0	.32	8.0	1	
16GS-16FL67M*	7347-46555	1	25.4	1	1.75	44.5	2.01	51.0	5.94	151.0	3.71	94.3	.32	8.0	1	
16GS-20FL67M*	7347-46565	1	25.4	1 1/4	2.00	50.8	2.52	64.0	5.83	148.0	3.59	91.2	.32	8.0	1	
20GS-20FL67M*	7347-46645	1 1/4	31.7	1 1/4	2.00	50.8	2.52	64.0	7.01	178.0	4.21	106.9	.32	8.0	1	
20GS-24FL67S*	7347-76605	1 1/4	31.7	1 1/2	2.38	60.5	2.01	51.0	6.46	164.0	3.66	92.9	.32	8.0	1	

* -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. 2,000 psi.

Code 61 O-Ring Flange - 90° Extra Short Bent Tube

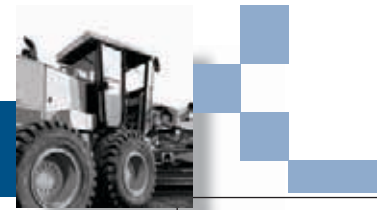
S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK																
16GS-24FL90-060*	7347-73975	1	25.4	1 1/2	2.38	60.3	2.36	60.0	5.71	145.0	3.47	88.2	.32	8.0	1	

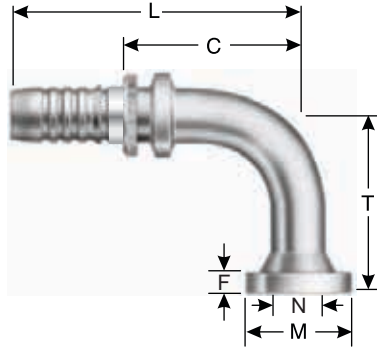
* -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 2,000 psi.





Code 61 O-Ring Flange - 90° Short Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
12GS-8FL90-050	7347-76035	3/4	19.1	1/2	1.19	30.2	1.97	50.0	4.80	122.0	2.80	71.0	.27	6.7	1
12GS-16FL90S*	7347-73915	3/4	19.1	1	1.75	44.5	2.40	61.0	4.41	112.0	2.40	61.0	.32	8.0	1
12GS-20FL90-054*	7347-73995	3/4	19.1	1 1/4	2.00	50.8	2.13	54.0	5.16	131.0	3.15	80.0	.32	8.0	1
16GS-16FL90S*	7347-47555	1	25.4	1	1.75	44.5	2.40	61.0	5.31	135.0	3.09	78.6	.32	8.0	1
16GS-20FL90S*	7347-47565	1	25.4	1 1/4	2.00	50.8	2.68	68.0	5.28	134.0	3.02	76.8	.32	8.0	1
16GS-24FL90S*	7347-47575	1	25.4	1 1/2	2.38	60.5	3.19	81.0	5.28	134.0	3.04	77.2	.32	8.0	1
20GS-20FL90S*	7347-47645	1 1/4	31.7	1 1/4	2.00	50.8	2.68	68.0	6.50	165.0	3.70	93.9	.32	8.0	1
20GS-24FL90S*	7347-47655	1 1/4	31.7	1 1/2	2.38	60.5	3.19	81.0	6.50	165.0	3.70	93.9	.32	8.0	1
24GSP-20FL90S	7347-47715	1 1/2	38.1	1 1/2	2.00	50.8	2.68	68.0	6.81	173.0	3.92	99.6	.32	8.0	1
24GSP-24FL90S	7347-47725	1 1/2	38.1	1 1/2	2.38	60.3	3.19	81.0	7.24	184.0	4.33	109.9	.32	8.0	1
BULK PACK															
12GS-16FL90SXBULK	7347-7391	3/4	19.1	1	1.75	44.5	2.40	61.0	4.41	112.0	2.40	61.0	.32	8.0	45
16GS-16FL90SXBULK	7347-4755	1	25.4	1	1.75	44.5	2.40	61.0	5.31	135.0	3.09	78.6	.32	8.0	25
16GS-20FL90SXBULK	7347-4756	1	25.4	1 1/4	2.00	50.8	2.68	68.0	5.28	134.0	3.02	76.8	.32	8.0	35
20GS-20FL90SXBULK	7347-4764	1 1/4	31.7	1 1/4	2.00	50.8	2.68	68.0	6.50	165.0	3.70	93.9	.32	8.0	20
20GS-24FL90SXBULK	7347-4765	1 1/4	31.7	1 1/2	2.38	60.5	3.19	81.0	6.50	165.0	3.70	93.9	.32	8.0	20
24GSP-24FL90SXBULK	7347-4772	1 1/2	38.1	1 1/2	2.38	60.3	3.19	81.0	7.24	184.0	4.33	109.9	.32	8.0	12

* -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. 2,000 psi.

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

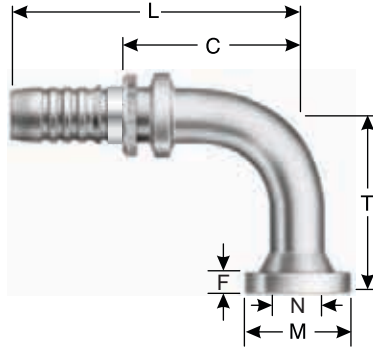
ACCESSORIES

EQUIPMENT AND PARTS



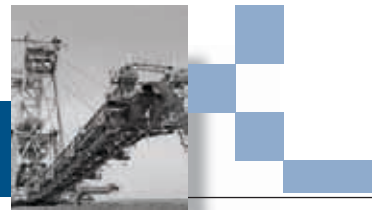
Code 61 O-Ring Flange - 90° Medium Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



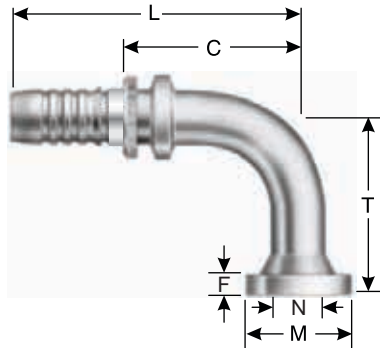
Descr.	Prod. No.	⊖		N	M	T		L		C		F		Std. Pack		
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"		mm	
STANDARD PACK																
POLARSEAL COUPLINGS	6GS-8FL90M	7347-74155	3/8	9.5	1/2	1.19	30.2	1.57	40.0	3.43	87.0	2.02	51.2	.27	6.7	1
	8GS-8FL90M	7347-74245	1/2	12.7	1/2	1.19	30.2	1.57	40.0	3.46	88.0	1.99	50.5	.27	6.7	1
	8GS-12FL90M	7347-74265	1/2	12.7	3/4	1.50	38.1	2.28	58.0	3.46	88.0	1.98	50.4	.27	6.7	1
C14 COUPLINGS	10GS-12FL90M	7347-74355	5/8	15.8	3/4	1.50	38.1	2.28	58.0	4.33	110.0	2.35	59.7	.27	6.7	1
	12GS-12FL90M	7347-74445	3/4	19.1	3/4	1.50	38.1	2.28	58.0	4.41	112.0	2.40	61.0	.27	6.7	1
	12GS-16FL90M*	7347-73925	3/4	19.1	1	1.75	44.5	2.76	70.0	4.41	112.0	2.40	61.0	.32	8.0	1
PCTS THERMO-PLASTIC COUPLINGS	16GS-12FL90	7347-73255	1	25.4	3/4	1.50	38.1	3.15	80.0	5.31	135.0	3.10	78.6	.27	6.7	1
	16GS-12FL90M	7347-74535	1	25.4	3/4	1.50	38.1	2.28	58.0	5.31	135.0	5.08	78.2	.27	6.7	1
	16GS-16FL90-210	7347-78875	1	25.4	1	1.75	44.5	8.27	210.0	5.28	134.0	3.02	76.8	.32	8.0	1
	16GS-16FL90M*	7347-74555	1	25.4	1	1.75	44.5	2.76	70.0	5.31	135.0	3.09	78.6	.32	8.0	1
	16GS-20FL90M*	7347-74565	1	25.4	1 1/4	2.00	50.8	3.54	90.0	5.28	134.0	2.99	76.0	.32	8.0	1
FIELD ATTACHABLE G1 & G2 COUPLINGS	20GS-16FL90-215	7347-78885	1 1/4	31.7	1	1.75	44.5	8.46	215.0	6.30	160.0	3.50	88.9	.32	8.0	1
	20GS-16FL90M*	7347-74635	1 1/4	31.7	1	1.75	44.5	2.76	70.0	6.30	160.0	3.50	88.9	.32	8.0	1
	20GS-20FL90M*	7347-74645	1 1/4	31.7	1 1/4	2.00	50.8	3.54	90.0	6.50	165.0	3.70	93.9	.32	8.0	1
	20GS-24FL90-118*	7347-76085	1 1/4	31.7	1 1/2	2.38	60.5	4.65	118.0	6.50	165.0	3.70	93.9	.32	8.0	1
	23GSP-24FL90M	7347-74725	1 1/2	38.1	1 1/2	2.36	60.3	4.09	104.0	6.89	175.0	4.01	101.9	.32	8.0	1
BULK PACK																
FIELD ATTACHABLE C5 COUPLINGS	8GS-8FL90MXBULK	7347-7424	1/2	12.7	1/2	1.19	30.2	1.57	40.0	3.46	88.0	1.99	50.5	.27	6.7	100
	8GS-12FL90MXBULK	7347-7426	1/2	12.7	3/4	1.50	38.1	2.28	58.0	3.46	88.0	1.98	50.4	.27	6.7	60
	12GS-12FL90MXBULK	7347-7444	3/4	19.1	3/4	1.50	38.1	2.28	58.0	4.41	112.0	2.40	61.0	.27	6.7	50
	12GS-16FL90MXBULK	7347-7392	3/4	19.1	1	1.75	44.5	2.76	70.0	4.41	112.0	2.40	61.0	.32	8.0	30
SURELOK AIR BRAKE COUPLINGS	16GS-16FL90MXBULK	7347-7455	1	25.4	1	1.75	44.5	2.76	70.0	5.31	135.0	3.09	78.6	.32	8.0	25
	16GS-20FL90MXBULK	7347-7456	1	25.4	1 1/4	2.00	50.8	3.54	90.0	5.28	134.0	2.99	76.0	.32	8.0	25
	20GS-20FL90MXBULK	7347-7464	1 1/4	31.7	1 1/4	2.00	50.8	3.54	90.0	6.50	165.0	3.70	93.9	.32	8.0	15
	24GSP-24FL90MXBULK	7347-7472	1 1/2	38.1	1 1/2	2.36	60.3	4.09	104.0	6.89	175.0	4.01	101.9	.32	8.0	10

* -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. 2,000 psi.



Code 61 O-Ring Flange - 90° Long Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.

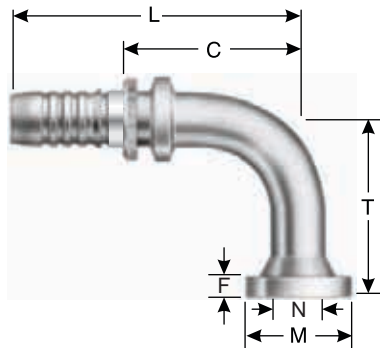


Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK																
8GS-8FL90L	7347-73815	1/2	12.7	1/2	1.19	30.2	3.27	83.0	3.46	88.0	1.99	50.5	.27	6.7	1	
12GS-16FL90-080*	7347-76805	3/4	19.1	1	1.75	44.5	3.15	80.0	5.04	128.0	3.03	77.0	.32	8.0	1	
24GSP-24FL90-148	7347-85625	1 1/2	38.1	1 1/2	2.36	60.3	5.83	148.0	6.89	175.0	4.01	101.9	.32	8.0	1	

* -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. 2,000 psi.

Code 61 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.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12GS-12FL90-100	7347-73905	3/4	19.1	3/4	1.50	38.1	3.94	100.0	4.41	112.0	2.40	61.0	.27	6.7	1	
12GS-12FL90-125	7347-73985	3/4	19.1	3/4	1.50	38.1	4.92	125.0	4.80	122.0	2.80	71.0	.27	6.7	1	
12GS-16FL90-178	7347-79025	3/4	19.1	1	1.75	44.5	7.01	178.0	4.41	112.0	2.38	60.5	.32	8.0	1	
12GS-20FL90-125*	7347-78375	3/4	19.1	1 1/4	2.00	50.8	4.92	125.0	4.76	121.0	2.76	70.0	.32	8.0	1	
16GS-16FL90-120*	7347-73165	1	25.4	1	1.75	44.5	4.72	120.0	5.28	134.0	3.04	77.2	.32	8.0	1	
20GS-20FL90-168*	7347-76105	1 1/4	31.7	1 1/4	2.00	50.8	6.61	168.0	6.54	166.0	3.74	94.9	.32	8.0	1	
32GSP-32FL90-114	7347-47805	2	50.8	2	2.81	71.4	4.49	114.0	8.74	222.0	5.12	130.1	.38	9.5	1	
32GSP-32FL90-165	7347-85425	2	50.8	2	2.81	71.4	6.50	165.0	9.69	246.0	6.06	154.0	.38	9.5	1	
BULK PACK																
12GS-12FL90-100XBULK	7347-7390	3/4	19.1	3/4	1.50	38.1	3.94	100.0	4.41	112.0	2.40	61.0	.27	6.7	50	

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

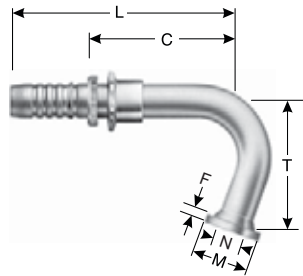
Code 61 O-Ring Flange - 90° Bent Tube - Cont'd

Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
16GS-16FL90-120XBULK	7347-7316	1	25.4	1	1.75	44.5	4.72	120.0	5.28	134.0	3.04	77.2	.32	8.0	25	
32GSP-32FL90-114XBULK	7347-4780	2	50.8	2	2.81	71.4	4.49	114.0	8.74	222.0	5.12	130.1	.38	9.5	5	

* -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. 2,000 psi.

Code 61 O-Ring Flange - 100° Bent Tube

See Accessories for O-Rings.

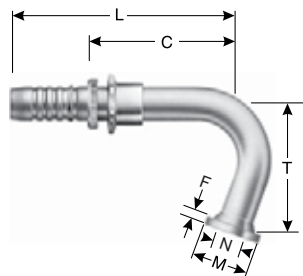


Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12GS-16FL100-059*	7347-78055	3/4	19.1	1	1.75	44.4	2.32	59.0	4.93	125.2	2.92	74.2	.32	8.0	1	

* -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. 2,000 psi.

Code 61 O-Ring Flange - 110° Bent Tube

See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12GS-12FL110-064	7347-76025	3/4	19.1	3/4	1.50	38.1	2.52	64.0	5.16	131.0	3.15	80.0	.27	6.7	1	
16GS-16FL110-073*	7347-73005	1	25.4	1	1.75	44.5	2.87	73.0	5.83	148.0	3.61	91.6	.32	8.0	1	
16GS-20FL110-073*	7347-76455	1	25.4	1 1/4	2.00	50.8	2.87	73.0	4.65	118.0	2.41	61.2	.32	8.0	1	
20GS-20FL110-080*	7347-76115	1 1/4	31.7	1 1/4	2.00	50.8	3.15	80.0	7.13	181.0	4.33	109.9	.32	8.0	1	
20GS-24FL110-080*	7347-76125	1 1/4	31.7	1 1/2	2.38	60.5	3.15	80.0	7.13	181.0	4.33	109.9	.32	8.0	1	

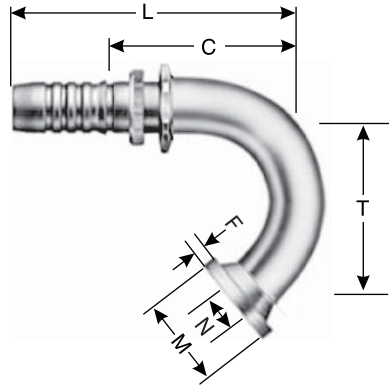
* -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi; -24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 2,000 psi.





Code 61 O-Ring Flange - 135° Bent Tube

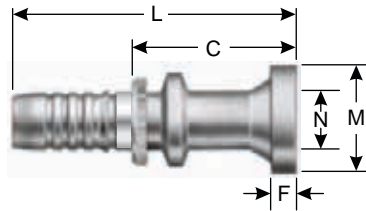
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
12GS-12FL135-070	7347-76825	3/4	19.1	3/4	1.50	38.1	2.76	70.0	3.82	97.0	1.81	46.0	.27	6.7	1

Code 61 Komatsu Style O-Ring Flange

See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N	M		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	
STANDARD PACK													
8GS-10FLK	7347-55255	1/2	12.7	5/8	1.35	34.2	3.21	81.5	1.74	44.1	.27	6.7	1
10GS-10FLK	7347-73335	5/8	15.8	5/8	1.35	34.2	4.49	114.0	2.51	63.7	.27	6.7	1
12GS-10FLK	7347-73375	3/4	19.1	5/8	1.35	34.2	4.33	110.0	2.32	59.0	.27	6.7	1
BULK PACK													
8GS-10FLKXBULK	7347-5525	1/2	12.7	5/8	1.35	34.2	3.21	81.5	1.74	44.1	.27	6.7	60

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

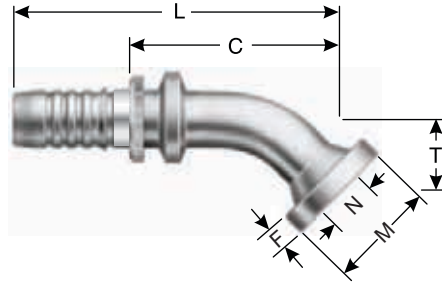
NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

Code 61 Komatsu Style O-Ring Flange - 45° Short Bent Tube

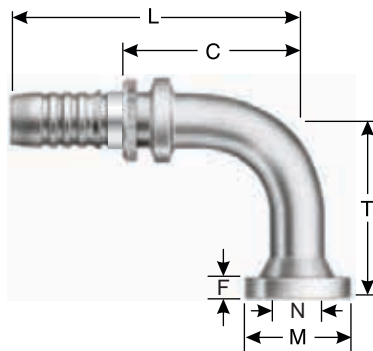
S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK															
10GS-10FLK45-026	7347-73365	5/8	15.8	5/8	1.35	34.2	1.02	26.0	4.76	121.0	2.78	70.7	.27	6.7	1

Code 61 Komatsu Style O-Ring Flange - 90° Medium Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



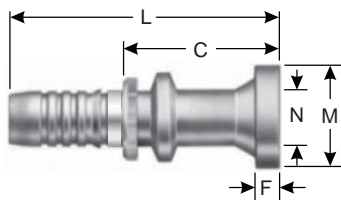
Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK															
10GS-10FLK90-055	7347-73355	5/8	15.8	5/8	1.35	34.2	2.17	55.0	4.33	110.0	2.35	59.7	.27	6.7	1
12GS-10FLK90-055	7347-73695	3/4	19.1	5/8	1.35	34.2	2.17	55.0	4.65	118.0	2.64	67.0	.27	6.7	1





Code 62 O-Ring Flange Heavy

See Accessories for O-Rings.

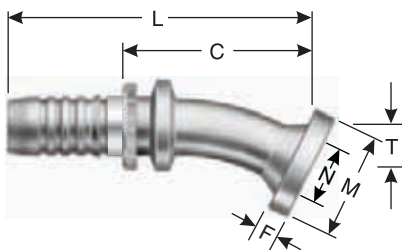


Descr.	Prod. No.	⊖		N	M		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	
STANDARD PACK													
8GS-8FLH	7347-48245	1/2	12.7	1/2	1.25	31.8	3.66	93.0	2.19	55.5	.31	7.8	1
8GS-12FLH	7347-48265	1/2	12.7	3/4	1.63	41.4	3.66	93.0	2.19	55.5	.35	8.8	1
10GS-8FLH	7347-48335	5/8	15.8	1/2	1.25	31.8	4.29	109.0	2.31	58.7	.31	7.8	1
10GS-12FLH	7347-48355	5/8	15.8	3/4	1.63	41.4	4.29	109.0	2.31	58.7	.35	8.8	1
12GS-12FLH	7347-48445	3/4	19.1	3/4	1.63	41.4	4.49	114.0	2.48	63.0	.35	8.8	1
12GS-16FLH	7347-48465	3/4	19.1	1	1.88	47.8	4.49	114.0	2.48	63.0	.38	9.5	1
16GS-12FLH	7347-48535	3/4	19.1	3/4	1.63	41.4	5.08	129.0	2.86	72.6	.35	8.8	1
16GS-16FLH	7347-48555	1	25.4	1	1.88	47.8	4.92	125.0	2.70	68.6	.38	9.5	1
16GS-20FLH	7347-48565	1	25.4	1 1/4	2.13	54.1	4.92	125.0	2.69	68.2	.41	10.3	1
20GS-16FLH	7347-48635	1	25.4	1	1.88	47.8	6.42	163.0	3.62	91.9	.38	9.5	1
20GS-20FLH	7347-48645	3/8	9.5	1 1/4	2.13	54.1	5.75	146.0	2.95	74.9	.41	10.3	1
20GS-24FLH	7347-48655	1 1/4	31.7	1 1/2	2.50	63.5	6.30	160.0	3.50	88.9	.50	12.6	1
24GSP-24FLH	7347-48725	1 1/2	38.1	1 1/2	2.50	63.5	6.57	167.0	3.68	93.4	.50	12.6	1
32GSP-32FLH	7347-48795	2	50.8	2	3.13	79.4	7.09	180.0	3.46	88.0	.50	12.6	1
BULK PACK													
8GS-8FLHXBULK	7347-4824	1/2	12.7	1/2	1.25	31.8	3.66	93.0	2.19	55.5	.31	7.8	50
12GS-12FLHXBULK	7347-4844	3/4	19.1	3/4	1.63	41.4	4.49	114.0	2.48	63.0	.35	8.8	70
16GS-16FLHXBULK	7347-4855	1	25.4	1	1.88	47.8	4.92	125.0	2.70	68.6	.38	9.5	40
16GS-20FLHXBULK	7347-4856	1	25.4	1 1/4	2.13	54.1	4.92	125.0	2.69	68.2	.41	10.3	35
20GS-16FLHXBULK	7347-4863	1	25.4	1	1.88	47.8	6.42	163.0	3.62	91.9	.38	9.5	25
20GS-20FLHXBULK	7347-4864	3/8	9.5	1 1/4	2.13	54.1	5.75	146.0	2.95	74.9	.41	10.3	25
24GSP-24FLHXBULK	7347-4872	1 1/2	38.1	1 1/2	2.50	63.5	6.57	167.0	3.68	93.4	.50	12.6	20

Code 62 O-Ring Flange Heavy - 22½° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.

See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK															
12GS-16FLH22M	7347-49465	3/4	19.1	1	1.88	47.8	.55	14.0	5.43	138.0	3.43	87.0	.38	9.5	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



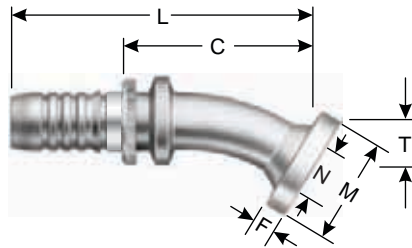
GlobalSpiral™ Couplings

Code 62 O-Ring Flange Heavy - 22½° Bent Tube - Cont'd

Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
16GS-16FLH22M	7347-49555	1	25.4	1	1.88	47.8	.55	14.0	6.10	155.0	3.88	98.6	.38	9.5	1	
20GS-20FLH22M	7347-49645	1 1/4	31.7	1 1/4	2.13	54.1	.59	15.0	7.32	186.0	4.52	114.9	.41	10.3	1	
20GS-24FLH22M	7347-49655	1 1/4	31.7	1 1/2	2.50	63.5	.71	18.0	7.40	188.0	4.60	116.9	.50	12.6	1	

Code 62 O-Ring Flange Heavy - 30° Bent Tube

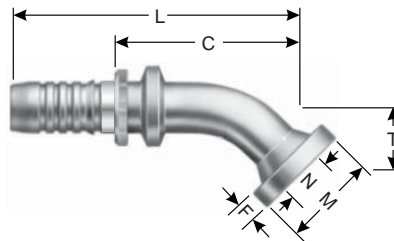
S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12GS-12FLH30M	7347-50445	3/4	19.1	3/4	1.63	41.4	.63	16.0	5.08	129.0	3.07	78.0	.35	8.8	1	
16GS-16FLH30M	7347-50555	1	25.4	1	1.88	47.8	.75	19.0	6.02	153.0	3.80	96.6	.38	9.5	1	
16GS-20FLH30M	7347-50565	1	25.4	1 1/4	2.13	54.1	1.50	38.0	6.22	158.0	3.98	101.2	.41	10.3	1	
20GS-20FLH30M	7347-50645	1 1/4	31.7	1 1/4	2.13	54.1	.87	22.0	7.24	184.0	4.44	112.9	.41	10.3	1	
20GS-24FLH30M	7347-50655	1 1/4	31.7	1 1/2	2.50	63.5	1.18	30.0	7.24	184.0	4.44	112.9	.50	12.6	1	

Code 62 O-Ring Flange Heavy - 45° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
8GS-8FLH45M	7347-51245	1/2	12.7	1/2	1.25	31.8	.75	19.0	3.70	94.0	2.22	56.5	.31	7.9	1	
8GS-12FLH45M	7347-51265	5/8	15.8	3/4	1.63	41.4	1.02	26.0	3.98	101.0	2.50	63.5	.35	8.8	1	
10GS-12FLH45M	7347-51355	5/8	15.8	3/4	1.63	41.4	1.02	26.0	5.00	127.0	3.02	76.7	.35	8.8	1	
12GS-8FLH45M	7347-51425	3/4	19.1	1/2	1.25	31.8	.75	19.0	4.56	115.7	2.55	64.7	.31	7.8	1	
12GS-12FLH45M	7347-51445	3/4	19.1	3/4	1.63	41.4	1.02	26.0	4.88	124.0	2.87	73.0	.35	8.8	1	
12GS-16FLH45M	7347-51465	3/4	19.1	1	1.88	47.8	1.26	32.0	5.12	130.0	3.11	79.0	.38	9.5	1	
16GS-12FLH45M	7347-51535	1	25.4	3/4	1.63	41.4	1.02	26.0	5.55	141.0	3.33	84.6	.35	8.8	1	



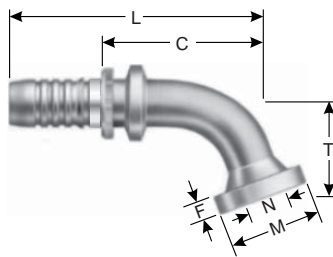


Code 62 O-Ring Flange Heavy - 45° Bent Tube - Cont'd

Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
16GS-16FLH45M	7347-51555	1	25.4	1	1.88	47.8	1.26	32.0	5.79	147.0	3.57	90.6	.38	9.5	1	
16GS-20FLH45M	7347-51565	1	25.4	1 1/4	2.13	54.1	1.50	38.0	6.22	158.0	3.98	101.2	.41	10.3	1	
20GS-16FLH45M	7347-51635	1 1/4	31.7	1	1.88	47.6	1.26	32.0	6.73	171.0	3.93	99.7	.38	9.5	1	
20GS-20FLH45M	7347-51645	1 1/4	31.7	1 1/4	2.13	54.1	1.50	38.0	6.93	176.0	4.13	104.9	.41	10.3	1	
20GS-24FLH45M	7347-51655	1 1/4	31.7	1 1/2	2.50	63.5	1.73	44.0	6.93	176.0	4.13	104.9	.50	12.6	1	
24GSP-24FLH45M	7347-51725	1 1/2	38.1	1 1/2	2.50	63.5	1.73	44.0	7.56	192.0	4.65	118.0	.50	12.6	1	
32GSP-32FLH45-066	7347-51805	2	50.8	2	3.13	79.4	2.60	66.0	10.67	271.0	7.06	179.2	.50	12.6	1	
BULK PACK																
12GS-16FLH45MXBULK	7347-5146	3/4	19.1	1	1.88	47.8	1.26	32.0	5.12	130.0	3.11	79.0	.38	9.5	40	
16GS-16FLH45MXBULK	7347-5155	1	25.4	1	1.88	47.8	1.26	32.0	5.79	147.0	3.57	90.6	.38	9.5	35	
24GSP-24FLH45MXBULK	7347-5172	1 1/2	38.1	1 1/2	2.50	63.5	1.73	44.0	7.56	192.0	4.65	118.0	.50	12.6	15	

Code 62 O-Ring Flange Heavy - 60° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK																
12GS-12FLH60M	7347-52445	3/4	19.1	3/4	1.63	41.4	1.46	37.0	5.39	137.0	3.39	86.0	.35	8.8	1	
12GS-16FLH60M	7347-52465	3/4	19.1	1	1.88	47.8	1.73	44.0	5.35	136.0	3.35	85.0	.38	9.5	1	
16GS-16FLH60M	7347-52555	1	25.4	1	1.88	47.8	1.73	44.0	6.18	157.0	3.96	100.8	.38	9.5	1	
20GS-20FLH60M	7347-52645	1 1/4	31.7	1 1/4	2.13	54.1	2.17	55.0	7.32	186.0	4.52	114.9	.41	10.3	1	
20GS-24FLH60M	7347-52655	1 1/4	31.7	1 1/2	2.50	63.5	2.52	64.0	7.64	194.0	4.84	122.9	.50	12.6	1	

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

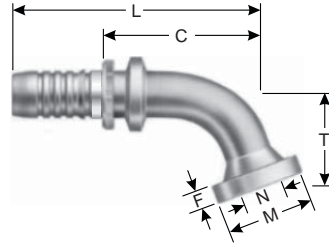
NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

Code 62 O-Ring Flange Heavy - 67½° Bent Tube

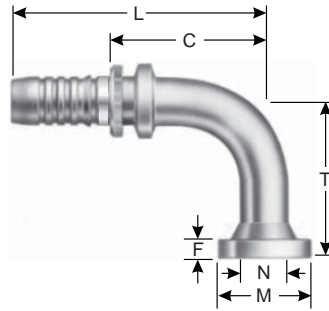
S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
16GS-16FLH67M	7347-53555	1	25.4	1	1.88	47.8	2.01	51.0	5.94	151.0	3.72	94.6	.38	9.5	1	

Code 62 O-Ring Flange Heavy - 90° Short Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



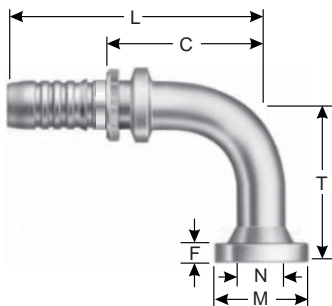
Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12GS-16FLH90S	7347-54465	3/4	19.1	1	1.88	47.8	2.40	61.0	4.41	112.0	2.40	61.0	.38	9.5	1	
16GS-16FLH90S	7347-54555	1	25.4	1	1.88	47.8	2.40	61.0	5.31	135.0	3.09	78.6	.38	9.5	1	
16GS-20FLH90S	7347-54565	1	25.4	1 1/4	2.13	54.1	2.68	68.0	5.28	134.0	3.02	76.8	.41	10.3	1	
16GS-24FLH90S	7347-54575	1	25.4	1 1/2	2.50	63.5	3.19	81.0	5.28	134.0	3.04	77.2	.50	12.6	1	
20GS-16FLH90S	7347-54635	1 1/4	31.7	1	1.88	47.8	2.40	61.0	6.30	160.0	3.50	88.9	.38	9.5	1	
20GS-20FLH90-076	7347-73635	1 1/4	31.7	1 1/4	2.13	54.1	2.99	76.0	6.50	165.0	3.70	93.9	.41	10.3	1	
20GS-24FLH90S	7347-54655	1 1/4	31.7	1 1/2	2.50	63.5	3.19	81.0	6.50	165.0	3.70	93.9	.50	12.6	1	
BULK PACK																
16GS-16FLH90SXBULK	7347-5455	1	25.4	1	1.88	47.8	2.40	61.0	5.31	135.0	3.09	78.6	.38	9.5	25	
16GS-20FLH90SXBULK	7347-5456	1	25.4	1 1/4	2.13	54.1	2.68	68.0	5.28	134.0	3.02	76.8	.41	10.3	20	





Code 62 O-Ring Flange Heavy - 90° Medium Bent Tube

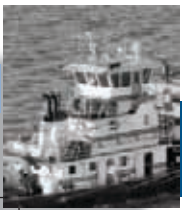
S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
8GS-8FLH90M	7347-75245	1/2	12.7	1/2	1.25	31.8	1.57	40.0	3.46	88.0	1.99	50.5	.31	7.8	1
8GS-12FLH90M	7347-75265	1/2	12.7	3/4	1.63	41.4	2.28	58.0	3.46	88.0	1.99	50.5	.35	8.8	1
10GS-8FLH90M	7347-75335	5/8	15.8	1/2	1.25	31.8	1.57	40.0	4.45	113.0	2.47	62.7	.31	7.8	1
10GS-12FLH90M	7347-75355	5/8	15.8	3/4	1.63	41.4	2.28	58.0	4.33	110.0	2.35	59.7	.35	8.8	1
12GS-12FLH90M	7347-75445	3/4	19.1	3/4	1.63	41.4	2.28	58.0	4.41	112.0	2.40	61.0	.35	8.8	1
12GS-16FLH90M	7347-73935	3/4	19.1	1	1.88	47.8	2.76	70.0	4.41	112.0	2.40	61.0	.38	9.5	1
12GS-20FLH90M	7347-75475	3/4	19.1	1 1/4	2.13	54.0	3.54	90.0	4.80	122.0	2.80	71.0	.41	10.3	1
16GS-12FLH90M	7347-54535	1	25.4	3/4	1.63	41.4	2.28	58.0	5.31	135.0	3.09	78.6	.35	8.8	1
16GS-16FLH90M	7347-75555	1	25.4	1	1.88	47.8	2.76	70.0	5.31	135.0	3.09	78.6	.38	9.5	1
16GS-20FLH90M	7347-75565	1	25.4	1 1/4	2.13	54.1	3.54	90.0	5.28	134.0	3.02	76.8	.41	10.3	1
20GS-16FLH90M	7347-75635	1 1/4	31.7	1	1.88	47.8	2.76	70.0	6.30	160.0	3.50	88.9	.38	9.5	1
20GS-20FLH90M	7347-75645	1 1/4	31.7	1 1/4	2.00	50.8	3.54	90.0	6.50	165.0	3.70	93.9	.32	8.0	1
24GSP-24FLH90-094	7347-79105	1 1/2	38.1	1 1/2	2.50	63.5	3.70	94.0	6.91	175.5	4.01	101.9	.50	12.6	1
32GSP-32FLH90M	7347-75795	2	50.8	2	3.13	79.4	5.40	138.0	8.72	221.4	5.09	129.4	.50	12.6	1
BULK PACK															
12GS-12FLH90MXBULK	7347-7544	3/4	19.1	3/4	1.63	41.4	2.28	58.0	4.41	112.0	2.40	61.0	.35	8.8	50
12GS-16FLH90MXBULK	7347-7393	3/4	19.1	1	1.88	47.8	2.76	70.0	4.41	112.0	2.40	61.0	.38	9.5	40
16GS-12FLH90MXBULK	7347-5453	1	25.4	3/4	1.63	41.4	2.28	58.0	5.31	135.0	3.09	78.6	.35	8.8	20
16GS-16FLH90MXBULK	7347-7555	1	25.4	1	1.88	47.8	2.76	70.0	5.31	135.0	3.09	78.6	.38	9.5	30
16GS-20FLH90MXBULK	7347-7556	1	25.4	1 1/4	2.13	54.1	3.54	90.0	5.28	134.0	3.02	76.8	.41	10.3	20
20GS-20FLH90MXBULK	7347-7564	1 1/4	31.7	1 1/4	2.00	50.8	3.54	90.0	6.50	165.0	3.70	93.9	.32	8.0	15

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

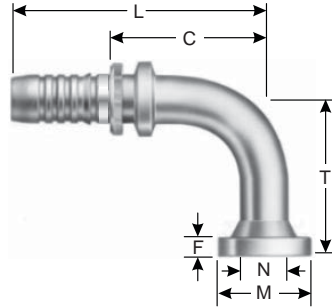




GlobalSpiral™ Couplings

Code 62 O-Ring Flange Heavy - 90° Long Bent Tube

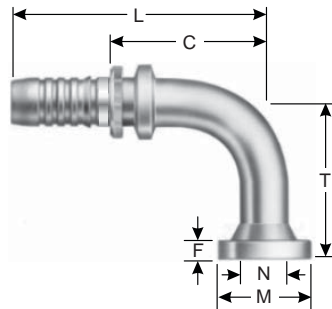
S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
8GS-8FLH90-080	7347-73825	1/2	12.7	1/2	1.25	31.8	3.15	80.0	3.46	88.0	1.99	50.5	.31	7.8	1
12GS-12FLH90-100	7347-73835	3/4	19.1	3/4	1.63	41.4	3.94	100.0	4.41	112.0	2.40	61.0	.35	8.8	1
16GS-16FLH90-120	7347-73015	1	25.4	1	1.88	47.8	4.72	120.0	5.28	134.0	3.04	77.2	.38	9.5	1
20GS-16FLH90-100	7347-76185	1 1/4	31.7	1	1.88	47.8	3.94	100.0	6.30	160.0	3.50	88.9	.38	9.5	1
20GS-20FLH90-120	7347-76135	1 1/4	31.7	1 1/4	2.13	54.1	4.72	120.0	6.50	165.0	3.70	93.9	.41	10.3	1
BULK PACK															
16GS-16FLH90-120XBULK	7347-7301	1	25.4	1	1.88	47.8	4.72	120.0	5.28	134.0	3.04	77.2	.38	9.5	25

Code 62 O-Ring Flange Heavy - 90° Extra Long Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.
See Accessories for O-Rings.

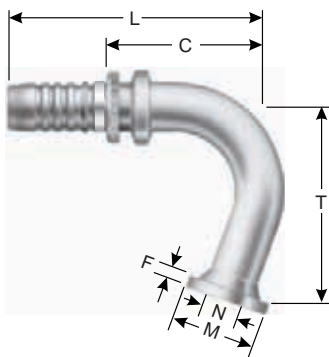


Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
12GS-12FLH90-122	7347-76415	3/4	19.1	3/4	1.63	41.4	4.80	122.0	4.80	122.0	2.80	71.0	.35	8.8	1
12GS-16FLH90-140	7347-76715	3/4	19.1	1	1.88	47.8	5.51	140.0	4.57	116.0	2.56	65.0	.38	9.5	1
16GS-16FLH90-090	7347-78105	1	25.4	1	1.88	47.8	3.54	90.0	5.52	140.2	3.28	83.4	.38	9.5	1
20GS-20FLH90-152	7347-76485	1 1/4	31.7	1 1/4	2.13	54.1	5.98	152.0	6.50	165.0	3.70	93.9	.41	10.3	1





Code 62 O-Ring Flange Heavy - 110° Bent Tube

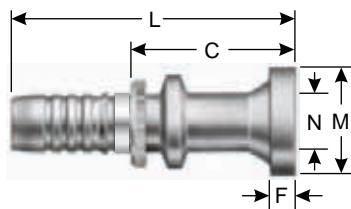


Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12GS-12FLH110-064	7347-78525	3/4	19.1	3/4	1.50	38.1	2.76	70.0	3.82	97.0	1.81	46.0	.27	6.7	1	

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.	⊖		N		M		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK														
12GS-12FLC	7347-62445	3/4	19.1	3/4	1.63	41.4	5.71	145.0	3.70	94.0	.56	14.2	1	
12GS-16FLC	7347-62465	3/4	19.1	1	1.88	47.8	5.71	145.0	3.70	94.0	.56	14.2	1	
16GS-16FLC	7347-62555	1	25.4	1	1.88	47.8	6.10	155.0	3.87	98.2	.56	14.2	1	
16GS-20FLC	7347-62565	1	25.4	1 1/4	2.13	54.1	6.10	155.0	3.87	98.2	.56	14.2	1	
20GS-20FLC	7347-62645	1 1/4	31.7	1 1/4	2.13	54.1	7.36	187.0	4.56	115.9	.56	14.2	1	
20GS-24FLC	7347-62655	1 1/4	31.7	1 1/2	2.50	63.5	7.36	187.0	4.56	115.9	.56	14.2	1	
BULK PACK														
16GS-16FLCXBULK	7347-6255	1	25.4	1	1.88	47.8	6.10	155.0	3.87	98.2	.56	14.2	35	
16GS-20FLCXBULK	7347-6256	1	25.4	1 1/4	2.13	54.1	6.10	155.0	3.87	98.2	.56	14.2	25	
20GS-20FLCXBULK	7347-6264	1 1/4	31.7	1 1/4	2.13	54.1	7.36	187.0	4.56	115.9	.56	14.2	20	

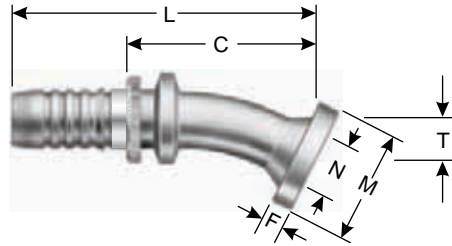
EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





Caterpillar Style O-Ring Flange - 22½° Bent Tube

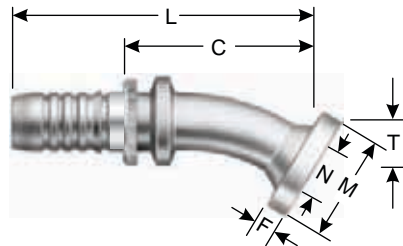
Note: These FLC flanges are designed with a thicker flange head. The 0.56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and 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.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
12GS-12FLC22-016	7347-63445	3/4	19.1	3/4	1.63	41.4	.63	16.0	5.63	143.0	3.62	92.0	.56	14.2	1
16GS-16FLC22-017	7347-63555	1	25.4	1	1.88	47.8	.67	17.0	6.02	153.0	3.78	95.9	.56	14.2	1
16GS-20FLC22-017	7347-63565	1	25.4	1 1/4	2.13	54.1	.67	17.0	6.02	153.0	3.78	95.9	.56	14.2	1
20GS-20FLC22-017	7347-63645	1 1/4	31.7	1 1/4	2.13	54.1	.67	17.0	7.28	185.0	4.48	113.9	.56	14.2	1
20GS-24FLC22-017	7347-63655	1 1/4	31.7	1 1/2	2.50	63.5	.67	17.0	7.28	185.0	4.48	113.9	.56	14.2	1

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.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
12GS-12FLC30-022	7347-64445	3/4	19.1	3/4	1.63	41.4	.87	22.0	5.51	140.0	3.50	89.0	.56	14.2	1
12GS-16FLC30-022	7347-64465	3/4	19.1	1	1.88	47.8	.87	22.0	5.55	141.0	3.54	90.0	.56	14.2	1
16GS-16FLC30-023	7347-64555	1	25.4	1	1.88	47.8	.91	23.0	5.94	151.0	3.69	93.7	.56	14.2	1
16GS-20FLC30-023	7347-64565	1	25.4	1 1/4	2.13	54.1	.91	23.0	5.94	151.0	3.69	93.7	.56	14.2	1
20GS-20FLC30-024	7347-64645	3/4	31.7	1 1/4	2.13	54.1	.94	24.0	7.20	183.0	4.41	111.9	.56	14.2	1
20GS-24FLC30-024	7347-64655	1 1/4	31.7	1 1/2	2.50	63.5	.94	24.0	7.20	183.0	4.41	111.9	.56	14.2	1

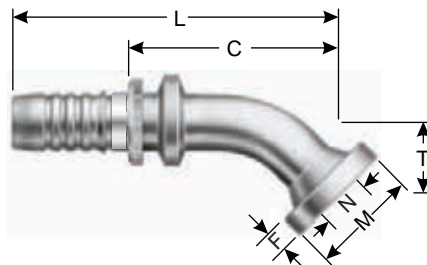




Caterpillar Style O-Ring Flange - 45° Bent Tube

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.

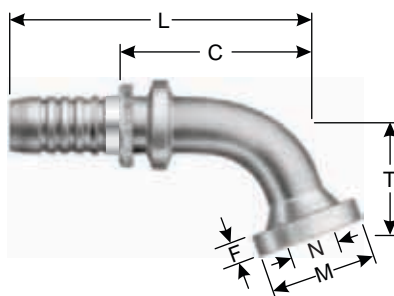


Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
12GS-12FLC45-035	7347-65445	3/4	19.1	3/4	1.63	41.4	1.38	35.0	5.24	133.0	3.23	82.0	.56	14.2	1
12GS-12FLC45-066	7347-76425	3/4	19.1	3/4	1.63	41.4	2.60	66.0	6.50	165.0	4.49	114.0	.56	14.2	1
12GS-16FLC45-035	7347-65465	3/4	19.1	1	1.88	47.8	1.38	35.0	5.24	133.0	3.23	82.0	.56	14.2	1
16GS-16FLC45-037	7347-65555	1	25.4	1	1.88	47.8	1.46	37.0	5.63	143.0	3.40	86.3	.56	14.2	1
16GS-20FLC45-037	7347-65565	1	25.4	1 1/4	2.13	54.1	1.46	37.0	5.63	143.0	3.40	86.3	.56	14.2	1
20GS-20FLC45-037	7347-65645	1 1/4	31.7	1 1/4	2.13	54.1	1.46	37.0	6.93	176.0	4.13	104.9	.56	14.2	1
20GS-24FLC45-037	7347-65655	1 1/4	31.7	1 1/2	2.50	63.5	1.46	37.0	6.93	176.0	4.13	104.9	.56	14.2	1

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.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
12GS-16FLC60-048	7347-66465	3/4	19.1	1	1.88	47.8	1.89	48.0	5.75	146.0	3.74	95.0	.56	14.2	1
16GS-16FLC60-050	7347-66555	1	25.4	1	1.88	47.8	1.97	50.0	6.42	163.0	4.17	106.0	.56	14.2	1
16GS-20FLC60-050	7347-66565	1	25.4	1 1/4	2.13	54.1	1.97	50.0	6.42	163.0	4.17	106.0	.56	14.2	1
20GS-20FLC60-052	7347-66645	1 1/4	31.7	1 1/4	2.13	54.1	2.05	52.0	7.80	198.0	5.00	126.9	.56	14.2	1
20GS-24FLC60-052	7347-66655	1 1/4	31.7	1 1/2	2.50	63.5	2.05	52.0	7.80	198.0	5.00	126.9	.56	14.2	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBAL SPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



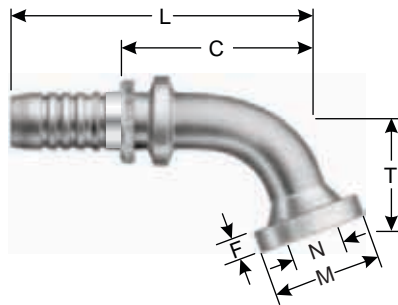


GlobalSpiral™ Couplings

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.

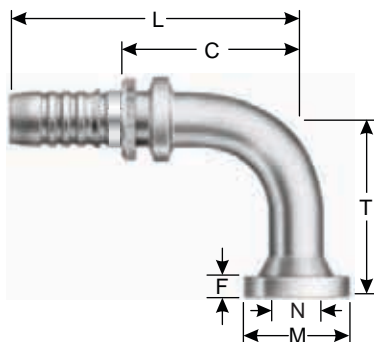


Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
16GS-16FLC67-057	7347-67555	1	25.4	1	1.88	47.8	2.24	57.0	6.14	156.0	3.90	99.0	.56	14.2	1
16GS-20FLC67-057	7347-67565	1	25.4	1 1/4	2.13	54.1	2.24	57.0	6.14	156.0	3.90	99.0	.56	14.2	1
20GS-20FLC67-059	7347-67645	1 1/4	31.7	1 1/4	2.13	54.1	2.32	59.0	7.52	191.0	4.72	119.9	.56	14.2	1
20GS-24FLC67-059	7347-67655	1 1/4	31.7	1 1/2	2.50	63.5	2.32	59.0	7.52	191.0	4.72	119.9	.56	14.2	1

Caterpillar Style O-Ring Flange - 90° Short 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.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
12GS-12FLC90-068	7347-73945	3/4	19.1	3/4	1.88	41.3	2.68	68.0	4.92	125.0	2.91	74.0	.38	9.5	1
12GS-16FLC90-068	7347-73955	3/4	19.1	1	1.88	47.8	2.68	68.0	4.61	117.0	2.60	66.0	.56	14.2	1
16GS-16FLC90-074	7347-68555	1	25.4	1	1.88	47.8	2.91	74.0	5.16	131.0	2.92	74.1	.56	14.2	1
16GS-20FLC90-074	7347-68565	1	25.4	1 1/4	2.13	54.1	2.91	74.0	5.16	131.0	2.92	74.1	.56	14.2	1
20GS-20FLC90-077	7347-68645	1 1/4	31.7	1 1/4	2.13	54.1	3.03	77.0	6.54	166.0	3.74	94.9	.56	14.2	1



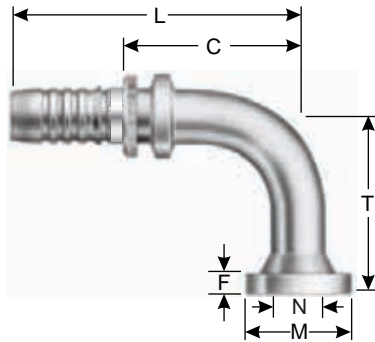


Caterpillar Style O-Ring Flange - 90° Short Bent Tube - Cont'd

Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
20GS-24FLC90-077	7347-68655	1 1/4	31.7	1 1/2	2.50	63.5	3.03	77.0	6.54	166.0	3.74	94.9	.56	14.2	1
BULK PACK															
12GS-12FLC90-068XBULK	7347-7394	3/4	19.1	3/4	1.88	41.3	2.68	68.0	4.92	125.0	2.91	74.0	.38	9.5	50
12GS-16FLC90-068XBULK	7347-7395	3/4	19.1	1	1.88	47.8	2.68	68.0	4.61	117.0	2.60	66.0	.56	14.2	30
16GS-16FLC90-074XBULK	7347-6855	1	25.4	1	1.88	47.8	2.91	74.0	5.16	131.0	2.92	74.1	.56	14.2	25
16GS-20FLC90-074XBULK	7347-6856	1	25.4	1 1/4	2.13	54.1	2.91	74.0	5.16	131.0	2.92	74.1	.56	14.2	25
20GS-20FLC90-077XBULK	7347-6864	1 1/4	31.7	1 1/4	2.13	54.1	3.03	77.0	6.54	166.0	3.74	94.9	.56	14.2	18

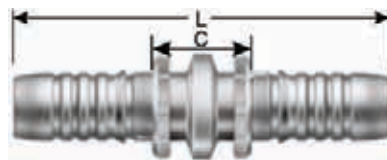
Caterpillar Style O-Ring Flange - 90° Medium Bent Tube

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.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
12GS-12FLC90-128	7347-76015	3/4	19.1	3/4	1.63	41.4	5.04	128.0	4.61	117.0	2.60	66.0	.56	14.2	1
16GS-16FLC90-132	7347-73035	1	25.4	1	1.88	47.8	5.20	132.0	5.16	131.0	2.92	74.1	.56	14.2	1

Hose Length Extender



Descr.	Prod. No.	⊖		L		C		Std. Pack
		"	mm	"	mm	"	mm	
STANDARD PACK								
8GS-8HLE	7347-73265	1/2	12.7	3.70	94.0	.75	19.1	1
12GS-12HLE	7347-76815	3/4	19.0	4.80	121.9	.78	19.9	1
16GS-16HLE	7347-76625	1	25.4	5.43	138.0	—	24.4	1
20GS-20HLE	7347-78585	1 1/4	31.7	6.77	172.0	1.17	29.8	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

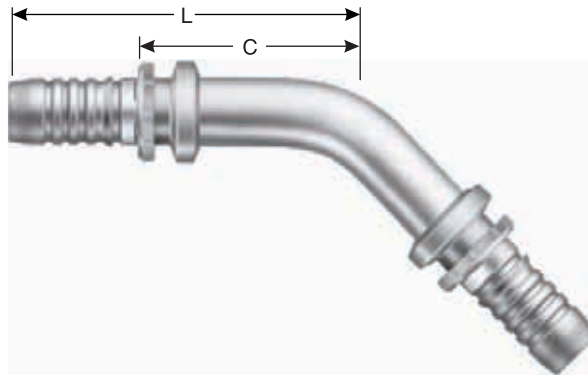
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

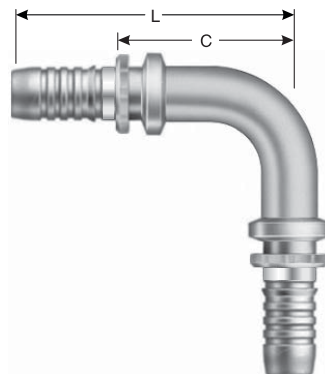
EQUIPMENT AND PARTS

Hose Length Extender - 45° Bent Tube



Descr.	Prod. No.	⊖		L		C		Std. Pack
		"	mm	"	mm	"	mm	
STANDARD PACK								
20GS-20HLE45-103	7347-78895	1 1/4	31.7	9.80	249.0	6.19	157.2	1

Hose Length Extender - 90° Bent Tube

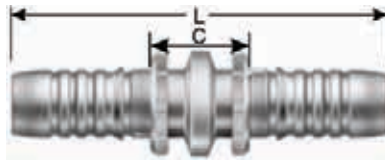


Descr.	Prod. No.	⊖		L		C		Std. Pack
		"	mm	"	mm	"	mm	
STANDARD PACK								
8GS-8HLE90-086	7347-73195	1/2	12.7	3.39	86.0	1.91	48.5	1
12GS-12HLE90-112	7347-73965	3/4	19.1	4.39	111.5	2.38	60.5	1
16GS-16HLE90-127	7347-73705	1	25.4	5.00	127.0	2.76	70.2	1
20GS-20HLE90-155	7347-76705	1 1/4	31.7	6.10	155.0	3.30	83.9	1



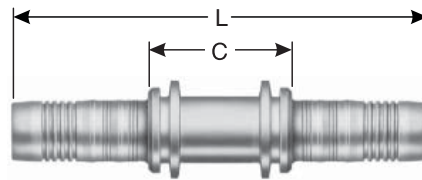



Hose Length Extender Caterpillar



Descr.	Prod. No.	⊖		L		C		Std. Pack
		"	mm	"	mm	"	mm	
STANDARD PACK								
12GS-12HLEC	7347-76405	3/4	19.1	6.42	163.0	2.40	61.0	1
16GS-16HLEC	7347-76395	1	25.4	7.09	180.0	2.61	66.4	1

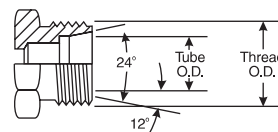
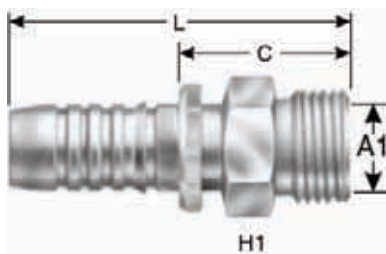
Hose Length Extender for Caterpillar with Clamping Area




Descr.	Prod. No.	⊖		L	C	Std. Pack
		"		"	"	
STANDARD PACK						
24GSLHL-24HLEC	7341-02645	1 1/2	1 1/2	10.66	3.18	1

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	Std. Pack
		"	mm		"	"	"	mm	"	mm	mm	
STANDARD PACK												
8GS-15MDL	7347-90625	1/2	12.7	M22X1.5	24.00	—	2.48	63.0	1.00	25.5	12.0	1
12GS-22MDL	7347-93565	3/4	19.1	M30X2.0	32.00	—	3.13	79.5	1.12	28.5	19.0	1
16GS-28MDL	7347-91495	1	25.4	M36X2.0	41.00	—	3.54	90.0	1.31	33.2	24.0	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

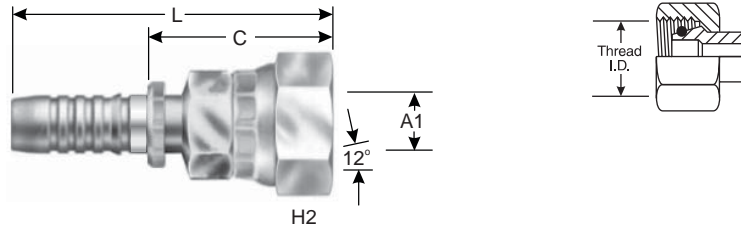
EQUIPMENT AND PARTS



GlobalSpiral™ Couplings

Female DIN 24° Cone Swivel - Light Series with O-Ring

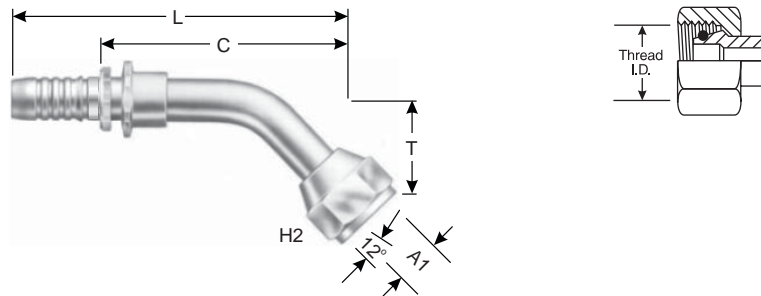
Do not use at a pressure above DIN Light ratings.
Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	mm	
STANDARD PACK												
6GS-12FDLORX	7347-92815	3/8	9.5	M18X1.5	—	22.0	2.87	73.0	1.46	37.2	12.0	1
8GS-15FDLORX	7347-90595	1/2	12.7	M22X1.5	—	22.0	2.87	73.0	1.40	35.5	15.0	1
10GS-18FDLORX	7347-92105	5/8	15.8	M26X1.5	—	32.0	3.61	91.8	1.63	41.5	18.0	1
12GS-22FDLORX	7347-92125	3/4	19.1	M30X2.0	—	36.0	3.82	97.0	1.81	46.0	22.0	1
12GS-28FDLORX	7347-92165	3/4	19.1	M36X2.0	—	41.0	3.90	99.0	1.89	48.0	28.0	1
16GS-28FDLORX	7347-90795	1	25.4	M36X2.0	—	41.0	4.13	105.0	1.91	48.6	28.0	1
BULK PACK												
10GS-18FDLORX XBULK	7347-9210	5/8	15.8	M26X1.5	—	32.0	3.61	91.8	1.63	41.5	18.0	120

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.

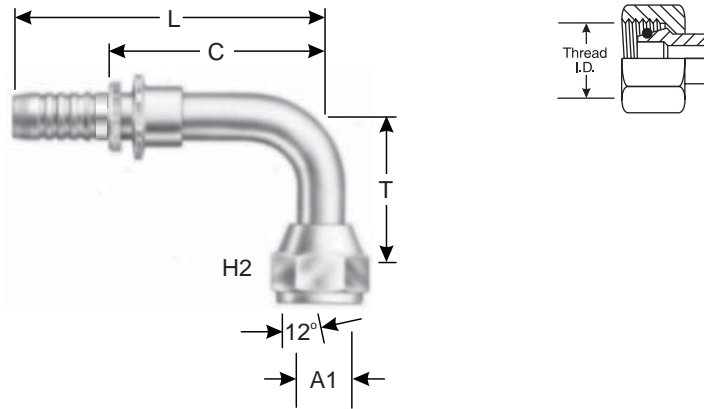


Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	
STANDARD PACK														
12GS-22FDLORX45	7347-92525	3/4	19.1	M30X2.0	—	36.0	1.17	29.8	5.35	135.8	3.34	84.8	22.0	1



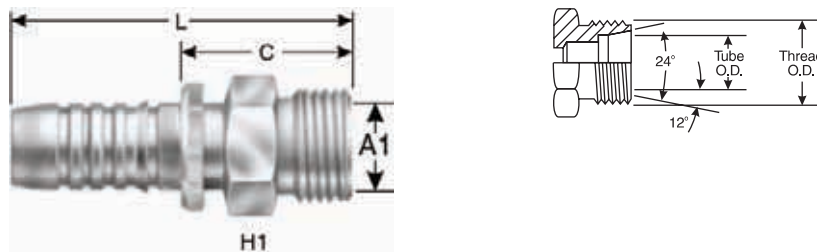
Female DIN 24° Cone Swivel - Light Series with O-Ring - 90° Bent Tube

Do not use at a pressure above DIN Light ratings.
Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	
STANDARD PACK														
10GS-18FDLORX90	7347-92515	5/8	15.8	M26X1.5	—	32.0	2.03	51.5	4.47	113.5	2.49	63.2	18.0	1
12GS-22FDLORX90M	7347-92135	3/4	19.1	M30X2.0	—	36.0	2.44	62.0	4.86	123.5	2.86	72.5	22.0	1
16GS-28FDLORX90M	7347-90765	1	25.4	M36X2.0	—	41.0	2.76	70.0	5.82	147.7	2.71	68.7	28.0	1
BULK PACK														
10GS-18FDLORX90XBULK	7347-9251	5/8	15.8	M26X1.5	—	32.0	2.03	51.5	4.47	113.5	2.49	63.2	18.0	75

Male DIN 24° Cone - Heavy Series



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	mm	
STANDARD PACK												
6GS-12MDH	7347-01785	3/8	9.5	M20X1.5	22.0	—	2.51	63.7	1.10	27.9	12.0	1
8GS-16MDH	7347-91325	1/2	12.7	M24X1.5	27.0	—	1.17	67.5	1.18	30.0	16.0	1
12GS-20MDH	7347-92255	3/4	19.1	M30X2.0	32.0	—	3.35	85.0	1.34	34.0	20.0	1
12GS-25MDH	7347-92265	3/4	19.1	M36X2.0	41.0	—	3.50	89.0	1.50	38.0	25.0	1
16GS-25MDH	7347-91505	1	25.4	M30X2.0	41.0	—	3.82	97.0	1.58	40.2	25.0	1
16GS-30MDH	7347-91515	1	25.4	M42X2.0	46.0	—	3.90	99.0	1.66	42.2	30.0	1
20GS-38MDH	7347-93295	1 1/4	31.7	M52X2.0	55.0	—	4.84	123.0	2.04	51.9	38.0	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



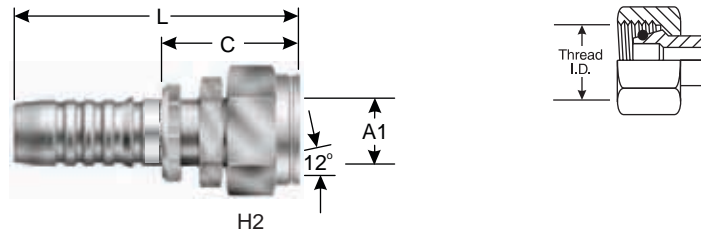


GlobalSpiral™ Couplings

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Female DIN 24° Cone Swivel - Heavy Series with O-Ring

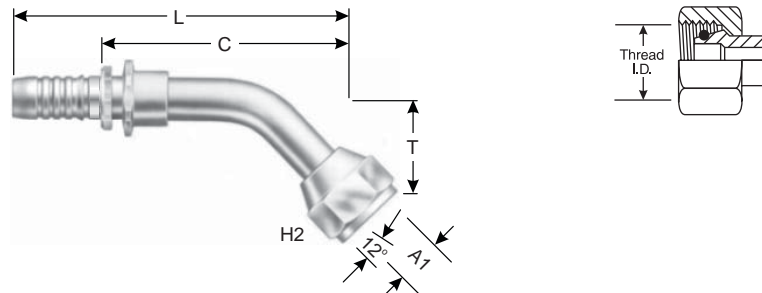
Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	mm	
STANDARD PACK												
6GS-12FDHORX	7347-92645	3/8	9.5	M36X2.0	—	24.0	2.87	73.0	1.46	37.2	12.0	1
6GS-14FDHORX	7347-92085	3/8	9.5	M22X1.5	—	27.0	2.97	75.5	1.56	39.7	14.0	1
8GS-14FDHORX	7347-92095	1/2	12.7	M22X1.5	—	27.0	3.01	76.5	1.53	38.9	14.0	1
8GS-16FDHORX	7347-91335	1/2	12.7	M24X1.5	—	30.0	3.11	79.0	1.63	41.5	16.0	1
10GS-20FDHORX	7347-92115	5/8	15.8	M30X2.0	—	36.0	3.94	100.0	1.96	49.7	20.0	1
10GS-25FDHORX	7347-93425	5/8	15.8	M36X2.0	—	46.0	4.09	104.0	2.11	53.7	25.0	1
12GS-20FDHORX	7347-92145	3/4	19.1	M30X2.0	—	36.0	4.06	103.0	2.05	52.0	20.0	1
12GS-25FDHORX	7347-92155	3/4	19.1	M36X2.0	—	46.0	4.23	107.4	2.22	56.4	25.0	1
16GS-25FDHORX	7347-91535	1	25.4	M36X2.0	—	46.0	4.57	116.0	2.35	59.6	25.0	1
16GS-30FDHORX	7347-90805	1	25.4	M42X2.0	—	50.0	4.65	118.0	2.43	61.6	30.0	1
20GS-38FDHORX	7347-93305	1 1/4	31.7	M52X2.0	—	60.0	5.71	145.0	2.91	73.9	38.0	1
BULK PACK												
12GS-25FDHORX XBULK	7347-9215	3/4	19.1	M36X2.0	—	46.0	4.23	107.4	2.22	56.4	25.0	45
16GS-25FDHORX XBULK	7347-9153	1	25.4	M36X2.0	—	46.0	4.57	116.0	2.35	59.6	25.0	25
16GS-30FDHORX XBULK	7347-9080	1	25.4	M42X2.0	—	50.0	4.65	118.0	2.43	61.6	30.0	35
20GS-38FDHORX XBULK	7347-9330	1 1/4	31.7	M52X2.0	—	60.0	5.71	145.0	2.91	73.9	38.0	20

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.	⊖		🌀	H1	H2	T	L		C		A1	Std. Pack	
		"	mm		mm	mm	"	mm	"	mm	mm			
STANDARD PACK														
8GS-16FDHORX45M	7347-91345	1/2	12.7	M24X1.5	—	30.0	.85	21.6	3.70	94.1	2.23	56.7	16.0	1
10GS-20FDHORX45	7347-92325	5/8	15.8	M30X2.0	—	36.0	.98	24.9	4.79	121.6	2.81	71.3	20.0	1
12GS-20FDHORX45	7347-93285	3/4	19.1	M30X2.0	—	36.0	1.17	29.8	6.33	160.9	4.33	109.9	20.0	1
12GS-25FDHORX45M	7347-92175	3/4	19.1	M36X2.0	—	46.0	1.23	31.2	5.31	134.8	3.40	86.3	25.0	1



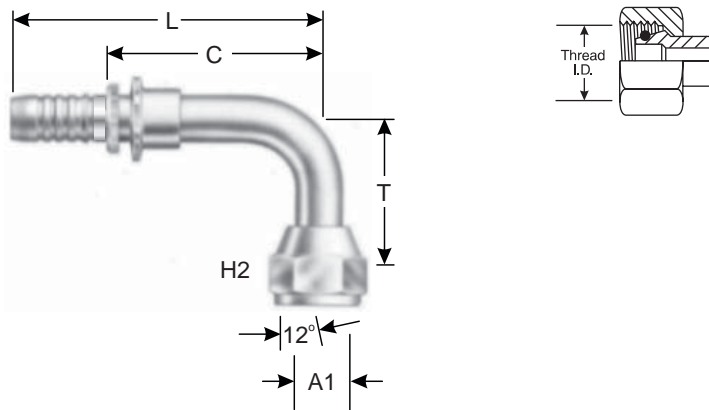



Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube - Cont'd

Descr.	Prod. No.	⊖			H1	H2	T		L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	
16GS-25FDHORX45M	7347-91545	1	25.4	M36X2.0	—	46.0	1.38	35.1	3.90	99.0	1.66	42.2	25.0	1
16GS-30FDHORX45	7347-91565	1	25.4	M42X2.0	—	50.0	1.38	35.1	6.29	159.7	4.07	103.3	30.0	1
20GS-38FDHORX45M	7347-93415	1 1/4	31.7	M52X2.0	—	60.0	1.67	42.5	7.72	196.0	4.92	124.9	38.0	1

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.	⊖			H1	H2	T		L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	
STANDARD PACK														
8GS-16FDHORX90M	7347-91485	1/2	12.7	M24X1.5	—	30.0	1.73	44.0	3.39	86.0	1.91	48.5	16.0	1
10GS-20FDHORX90M	7347-92335	5/8	15.8	M30X2.0	—	36.0	2.01	51.0	4.43	112.5	2.45	62.2	20.0	1
12GS-20FDHORX90M	7347-92185	3/4	19.1	M30X2.0	—	36.0	2.44	62.0	4.86	123.5	2.85	72.5	20.0	1
12GS-25FDHORX90M	7347-92195	3/4	19.1	M36X2.0	—	46.0	2.52	64.0	4.86	123.5	2.85	72.5	25.0	1
16GS-25FDHORX90	7347-91555	1	25.4	M36X2.0	—	46.0	2.99	76.0	5.94	151.0	3.72	94.6	25.0	1
16GS-30FDHORX90M	7347-90775	1	25.4	M42X2.0	—	50.0	2.99	76.0	5.81	147.7	3.59	91.3	30.0	1
20GS-38FDHORX90M	7347-93315	1 1/4	31.7	M52X2.0	—	60.0	3.43	87.0	7.11	180.5	4.31	109.4	38.0	1
BULK PACK														
20GS-38FDHORX90MXBULK	7347-9331	1 1/4	31.7	M52X2.0	—	60.0	3.43	87.0	7.11	180.5	4.31	109.4	38.0	10

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

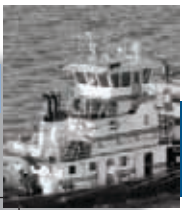
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

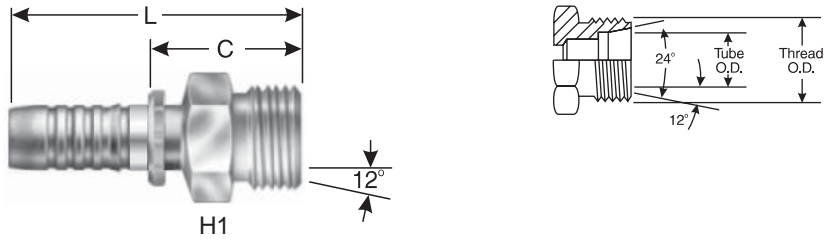
QUICK DISCONNECT COUPLERS


NEW BALL VALVES

ACCESSORIES

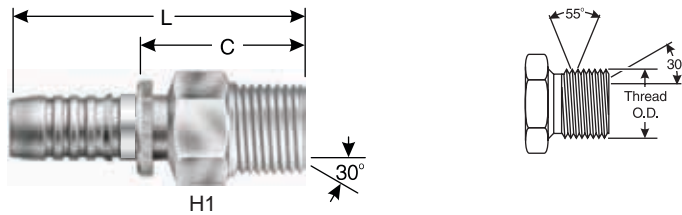
EQUIPMENT AND PARTS


Male Kobelco Style



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
12GS-22MKB	7347-73665	3/4	19.1	M30X2.0	36.0	—	3.35	85.0	1.34	34.0	1
12GS-28MKB	7347-73675	3/4	19.1	M36X1.5	41.0	—	3.62	92.0	1.61	41.0	1
16GS-28MKB	7347-73095	1	25.4	M36X1.5	50.0	—	3.98	101.0	1.74	44.2	1
16GS-35MKB	7347-73025	1	25.4	M45X1.5	50.0	—	3.74	95.0	1.50	38.1	1

Male British Standard Pipe Parallel

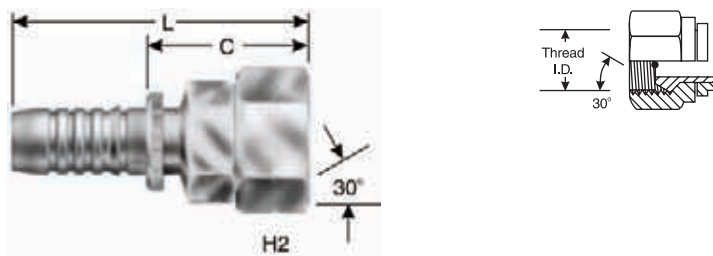



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
6GS-6MBSPP	7347-01775	3/8	9.5	3/8-19	22.0	—	2.48	63.0	1.07	27.2	1
8GS-8MBSPP	7347-91365	1/2	12.7	1/2-14	27.0	—	2.66	67.5	1.81	30.0	1
12GS-12MBSPP	7347-92205	3/4	19.1	3/4-14	32.0	—	3.35	85.0	1.37	34.7	1
16GS-16MBSPP	7347-90825	1	25.4	1-11	41.0	—	3.86	98.0	1.62	41.2	1
20GS-20MBSPP	7347-93365	1 1/4	31.7	1 1/4-11	50.0	—	4.65	118.0	1.85	46.9	1





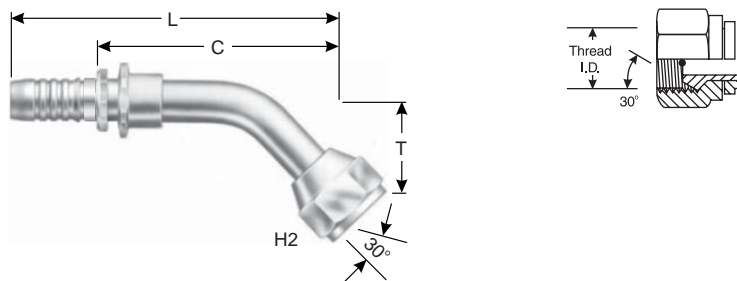
Female British Standard Parallel Pipe O-Ring Swivel




Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
6GS-6FBSPORX	7347-92235	3/8	9.5	3/8-19	—	22.0	2.34	59.4	.93	23.5	1
8GS-8FBSPORX	7347-91405	1/2	12.7	1/2-14	—	27.0	2.40	61.0	.93	23.5	1
12GS-12FBSPORX	7347-93995	3/4	19.1	3/4-14	—	32.0	3.41	86.5	1.40	35.5	1
12GS-16FBSPORX	7347-92585	3/4	19.1	1-11	—	41.0	3.74	86.6	1.40	35.6	1
16GS-16FBSPORX	7347-90815	1	25.4	1-11	—	41.0	3.74	95.0	1.52	38.6	1
20GS-20FBSPORX	7347-93375	1 1/4	31.7	1 1/4-11	—	50.0	4.59	116.5	1.79	45.4	1
BULK PACK											
12GS-12FBSPORX XBULK	7347-93999	3/4	19.1	3/4-14	—	32.0	3.41	86.5	1.40	35.5	50
16GS-16FBSPORX XBULK	7347-9081	1	25.4	1-11	—	41.0	3.74	95.0	1.52	38.6	40

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		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-6FBSPORX45M	7347-92345	3/8	9.5	3/8-19	—	22.0	.61	15.4	3.27	83.1	1.86	47.3	1
8GS-8FBSPORX45M	7347-91415	1/2	12.7	1/2-14	—	27.0	.67	17.0	3.60	91.5	2.13	54.1	1
12GS-12FBSPORX45M	7347-92245	3/4	19.1	3/4-14	—	32.0	1.11	28.3	5.29	134.4	3.28	83.4	1
16GS-16FBSPORX45M	7347-92275	1	25.4	1-11	—	41.0	1.22	30.9	6.12	155.5	3.90	99.1	1
20GS-20FBSPORX45M	7347-93395	1 1/4	31.7	1 1/4-11	—	50.0	1.48	37.5	7.52	191.1	4.72	119.9	1
BULK PACK													
8GS-8FBSPORX45MXBULK	7347-9141	1/2	12.7	1/2-14	—	27.0	.67	17.0	3.60	91.5	2.13	54.1	100
12GS-12FBSPORX45MXBULK	7347-9224	3/4	19.1	3/4-14	—	32.0	1.11	28.3	5.29	134.4	3.28	83.4	40

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

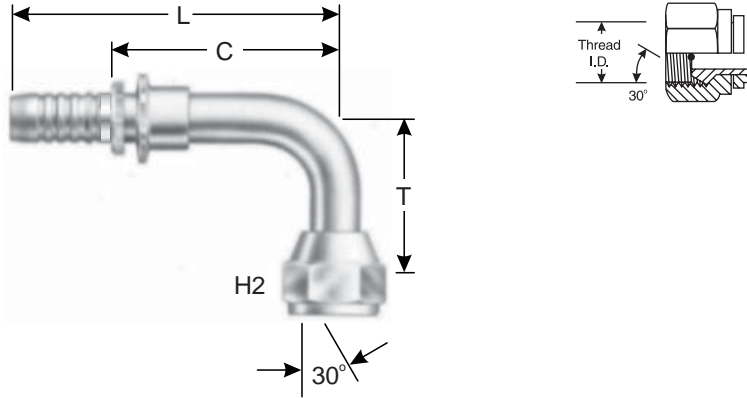
ACCESSORIES

EQUIPMENT AND PARTS



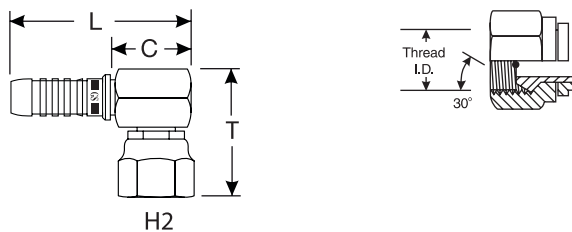
Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube

S, M and L Drops and Hex per ISO Working Draft 12151-6.

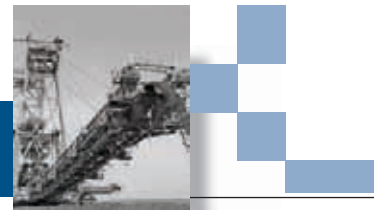


Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
6GS-6FBSPORX90M	7347-92355	3/8	9.5	3/8-19	—	22.0	1.26	32.0	3.07	78.0	1.66	42.2	1
8GS-8FBSPORX90M	7347-91425	1/2	12.7	1/2-14	—	27.0	1.48	37.0	3.46	88.0	1.99	50.5	1
12GS-12FBSPORX90M	7347-92225	3/4	19.1	3/4-14	—	32.0	2.36	60.0	4.86	123.5	2.85	72.5	1
16GS-16FBSPORX90M	7347-90785	1	25.4	1-11	—	41.0	2.76	70.0	5.81	147.7	3.59	91.3	1
20GS-20FBSPORX90M	7347-93405	1 1/4	31.7	1 1/4-11	—	50.0	3.15	80.0	7.11	180.5	4.31	109.4	1
BULK PACK													
8GS-8FBSPORX90MXBULK	7347-9142	1/2	12.7	1/2-14	—	27.0	1.48	37.0	3.46	88.0	1.99	50.5	100

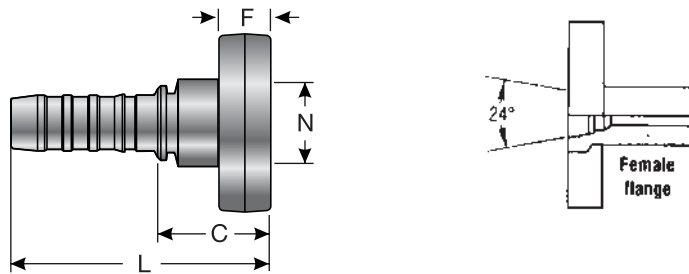
Female British Standard Pipe Parallel O-Ring Swivel - 90° Block



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
12GS-12FBSPORX90BL	7347-93955	3/4	19.1	3/4-14	—	32.0	1.35	34.2	3.07	78.0	1.06	27.0	1

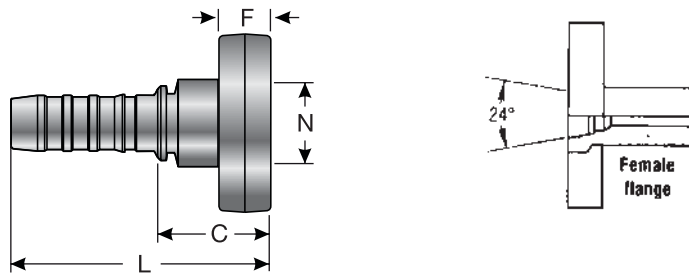


Female French GAZ (Poclain) 24° High Pressure Flange



Descr.	Prod. No.	⊖		N	L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	
STANDARD PACK											
8GS-17FPFL	7347-93215	1/2	12.7	17	2.72	69.0	1.24	31.5	.56	14.2	1
10GS-21FPFL	7347-92995	5/8	15.8	21	3.35	85.0	1.37	34.7	.56	14.2	1
12GS-27FPFL	7347-93065	3/4	19.1	27	3.58	91.0	1.57	40.0	.56	14.2	1
16GS-34FPFL	7347-93165	1	25.4	34	4.02	102.0	1.78	45.2	.56	14.2	1
20GS-42FPFL	7347-93465	1 1/4	31.7	42	5.24	133.0	2.44	61.9	.56	14.2	1

Male French GAZ (Poclain) 24° High Pressure Flange



Descr.	Prod. No.	⊖		N	L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	
STANDARD PACK											
8GS-17MPFL	7347-93225	1/2	12.7	17	3.11	79.0	1.63	41.5	.56	14.2	1
10GS-21MPFL	7347-93005	5/8	15.8	21	3.27	83.0	1.29	32.7	.56	14.2	1
16GS-34MPFL	7347-93185	1	25.4	34	4.51	114.5	2.27	57.7	.56	14.2	1
20GS-42MPFL	7347-93475	1 1/4	31.7	42	6.77	172.0	3.96	100.9	.56	14.2	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

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POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

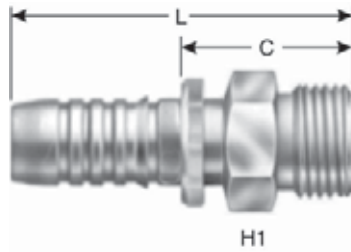
QUICK DISCONNECT COUPLERS


NEW BALL VALVES

ACCESSORIES

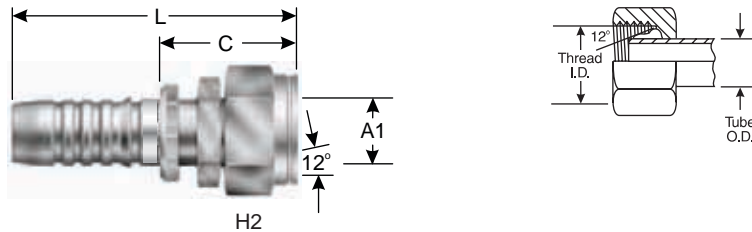
EQUIPMENT AND PARTS


Male French GAZ



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
12GS-21MFG	7347-94075	3/4	19.1	M30X1.5	32.0	—	3.23	82.0	1.22	31.0	1
12GS-27MFG	7347-93055	3/4	19.1	M36X1.5	41.0	—	3.33	84.5	1.32	33.5	1

Female French GAZ Swivel (Female Kobelco)

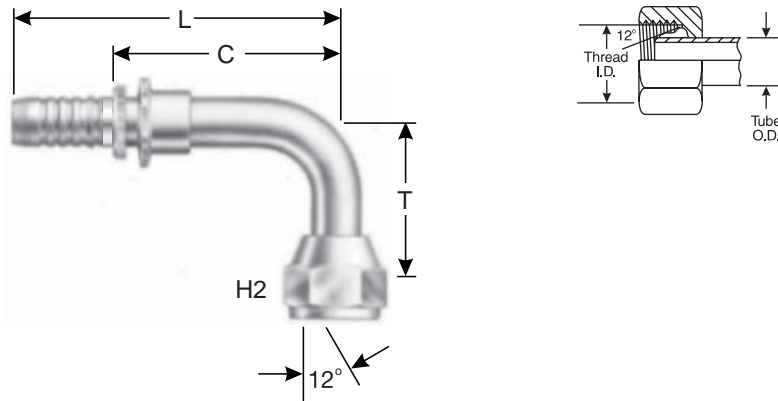


Descr.	Prod. No.	⊖			H1	H2	L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	mm	
STANDARD PACK												
8GS-17FFGX	7347-90665	1/2	12.7	M24X1.5	—	30.0	2.68	68.0	1.20	30.5	16.8	1
10GS-21FFGX	7347-93025	5/8	15.8	M30X1.5	—	36.0	3.44	87.5	1.44	36.5	21.2	1
12GS-21FFGX	7347-94715	3/4	19.1	M30X1.5	—	36.0	3.27	83.0	1.29	32.7	21.2	1
12GS-27FFGX	7347-93075	3/4	19.1	M36X1.5	—	41.0	3.41	86.5	1.40	35.5	26.8	1
16GS-27FFGX	7347-94725	1	25.4	M36X1.5	—	41.0	3.41	86.5	1.40	35.5	26.8	1
16GS-34FFGX	7347-93175	1	25.4	M45X1.5	—	55.0	3.76	95.5	1.54	39.1	33.5	1





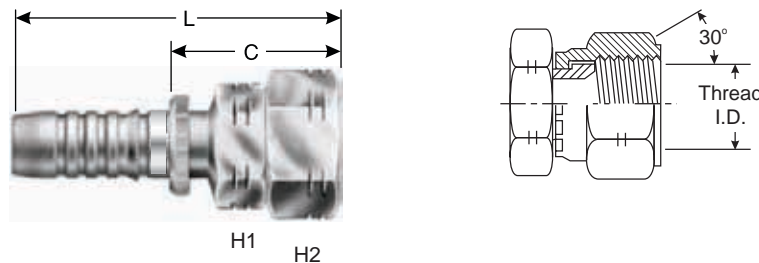
Female French GAZ Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
10GS-21FFGX90	7347-93035	5/8	15.8	M30X1.5	—	36.0	1.77	45.0	3.62	92.0	1.64	41.7	1
12GS-21FFGX90	7347-94735	3/4	19.1	M30X1.5	—	36.0	2.00	50.8	4.91	124.7	2.90	73.7	1
12GS5K-27FFGX90-060	7347-78645	3/4	19.1	M36X1.5	—	41.0	2.36	60.0	4.91	124.7	2.90	73.7	1
16GS-27FFGX90	7347-94745	3/4	19.1	M30X1.5	—	41.0	2.64	67.0	5.94	151.0	3.72	94.6	1
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

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		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
8GS-8FKX	7347-35245	1/2	12.7	M22X1.5	27.0	27.0	2.93	74.4	1.46	37.0	1
10GS-10FKX	7347-35345	5/8	15.8	M24X1.5	30.0	32.0	3.74	95.0	1.76	44.7	1
12GS-12FKX	7347-35445	3/4	19.1	M30X1.5	32.0	36.0	4.00	101.7	2.00	50.7	1
16GS-16FKX	7347-35555	1	25.4	M33X1.5	41.0	41.0	4.51	114.6	2.29	58.2	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

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POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

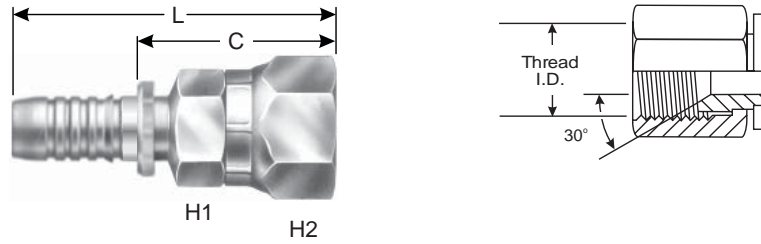
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

Female Japanese Industrial Standard 30° Flare Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
12GS-12FJISX	7347-76195	3/4	19.1	3/4-14	32.0	36.0	3.87	98.2	1.86	47.2	1
16GS-16FJISX	7347-76005	1	25.4	1-11	41.0	41.0	4.25	108.0	2.03	51.6	1
20GS-20FJISX	7347-76235	1 1/4	31.7	1 1/4-11	27.0	50.0	5.35	136.0	2.56	64.9	1

GS Ferrule for 2-Wire Braid Hose

For 12M4K and 16M3K Hose Only.



Descr.	Prod. No.	⊖		L		∅		Std. Pack
		"	mm	"	mm	"	mm	
STANDARD PACK								
12GS1F-2	7347-02975	3/4	19.1	1.73	44.0	1.57	39.9	1
16GS1F-2	7347-02985	1	25.4	2.06	52.2	1.94	49.3	1
BULK PACK								
12GS1F-2 XBULK	7347-0297	3/4	19.1	1.73	44.0	1.57	39.9	125

GSP Ferrule for Wire Braid Hose



Descr.	Prod. No.	⊖		L		∅		Std. Pack
		"	mm	"	mm	"	mm	
STANDARD PACK								
24GSP1F-2	7347-03165	1 1/2	38.1	2.98	75.8	2.76	70.0	1





GSP Ferrule for Wire Braid Hose - Cont'd

Descr.	Prod. No.	⊖		L		⊘		Std. Pack
		"	mm	"	mm	"	mm	
32FSP1F-2	7347-03185	2	50.8	3.54	90.0	3.29	83.5	1
BULK PACK								
24GSP1F-2XBULK	7347-0316	1 1/2	38.1	2.98	75.8	2.76	70.0	20
32GSP1F-2XBULK	7347-0318	2	50.8	3.54	90.0	3.29	83.5	10

GS Ferrule for 4-Spiral Hose



Descr.	Prod. No.	⊖		L		⊘		Std. Pack
		"	mm	"	mm	"	mm	
STANDARD PACK								
6GS1F-4	7347-03105	3/8	9.5	1.43	36.3	1.25	31.8	5
8GS1F-4	7347-03115	1/2	12.7	1.44	36.6	1.35	34.4	5
10GS1F-4	7347-03125	5/8	15.8	1.88	47.8	1.64	41.7	5
12GS1F-4	7347-03135	3/4	19.1	2.00	50.8	1.80	45.7	5
16GS1F-4	7347-03145	1	25.4	2.22	56.4	2.07	52.6	1
20GS1F-4	7347-03155	1 1/4	31.7	2.67	67.8	2.42	61.5	1
BULK PACK								
6GS1F-4XBULK	7347-0310	3/8	9.5	1.43	36.3	1.25	31.8	200
8GS1F-4XBULK	7347-0311	1/2	12.7	1.44	36.6	1.35	34.4	200
10GS1F-4XBULK	7347-0312	5/8	15.8	1.88	47.8	1.64	41.7	100
12GS1F-4XBULK	7347-0313	3/4	19.1	2.00	50.8	1.80	45.7	75
16GS1F-4XBULK	7347-0314	1	25.4	2.22	56.4	2.07	52.6	50
20GS1F-4XBULK	7347-0315	1 1/4	31.7	2.67	67.8	2.42	61.5	30

GSP Ferrule for 4-Spiral EF Hose



Descr.	Prod. No.	⊖		L		⊘		Std. Pack
		"	mm	"	mm	"	mm	
STANDARD PACK								
24GSP1F-4	7347-03175	1 1/2	38.1	3.01	76.5	2.83	72.0	1
32GSP1F-4	7347-03195	2	50.8	3.58	91.0	3.35	85.0	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



GlobalSpiral™ Couplings



EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

GSP Ferrule for 4-Spiral EF Hose - Cont'd

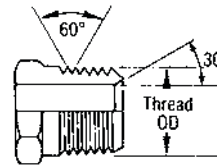
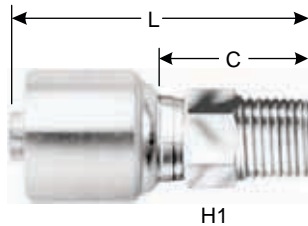
Descr.	Prod. No.	⊖		L		⊘		Std. Pack
		"	mm	"	mm	"	mm	
BULK PACK								
24GSP1F-4XBULK	7347-0317	1 1/2	38.1	3.01	76.5	2.83	72.0	20
32GSP1F-4XBULK	7347-0319	2	50.8	3.58	91.0	3.35	85.0	10

GS Ferrule for 6-Spiral Hose



Descr.	Prod. No.	⊖		L		⊘		Std. Pack
		"	mm	"	mm	"	mm	
STANDARD PACK								
20GS1F-6	7347-02905	1 1/4	31.7	2.87	72.9	2.67	67.8	1
BULK PACK								
20GS1F-6XBULK	7347-0290	1 1/4	31.7	2.87	72.9	2.67	67.8	20

1 1/4" Special One-Piece Couplings - Male Pipe (NPTF - 30° Cone Seat)

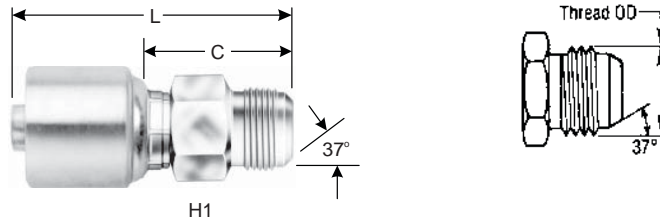


Descr.	Prod. No.	⊖		⊘	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
20MGS-20MP	7347-86005	1 1/4	31.7	1 1/4-1 1/2	1 3/4	—	5.00	127.0	2.20	55.9	1



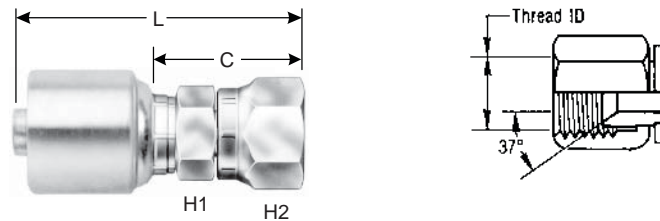


1 1/4" Special One-Piece Couplings - Male JIC 37° Flare



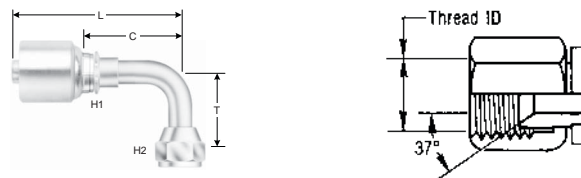
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
20MGS-20MJ	7347-86015	1 1/4	31.7	1 5/8-12	1 3/4	—	4.92	125.0	2.12	53.9	1

1 1/4" Special One-Piece Couplings - Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
20MGS-20FJX	7347-86025	1 1/4	31.7	1 5/8-12	1 7/8	2	5.35	136.0	2.56	64.9	1

1 1/4" Special One-Piece Couplings - Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Std. Pack	
		"	mm		"	"	"	mm	"	mm	"		mm
STANDARD PACK													
20MGS-20FJX90M-078	7347-86035	1 1/4	31.7	1 5/8-12	1 7/8	2	3.07	78.0	6.85	174.0	4.05	102.9	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

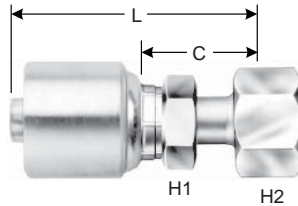
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

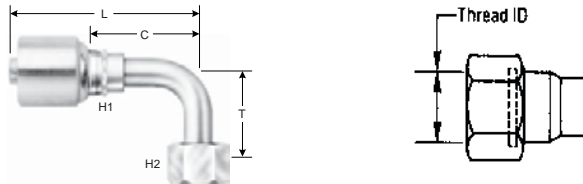
EQUIPMENT AND PARTS

1 1/4" Special One-Piece Couplings - Female Flat-Face O-Ring Swivel



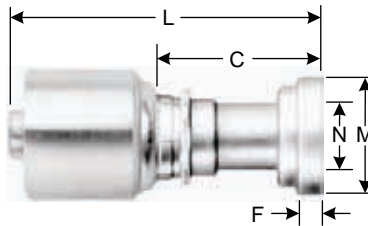
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
20MGS-20FFORX	7347-86045	1 1/4	31.7	1 11/16-12	50.0	50.0	5.04	128.0	2.24	56.9	1

1 1/4" Special One-Piece Couplings - Female Flat-Face O-Ring Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Std. Pack	
		"	mm		mm	mm	"	mm	"	mm	"		mm
STANDARD PACK													
20MGS-20FFORX90M	7347-86055	1 1/4	31.7	1 11/16-12	50.0	50.0	3.07	78.0	6.77	172.0	3.97	100.9	1

1 1/4" Special One-Piece Couplings - Code 61 O-Ring Flange

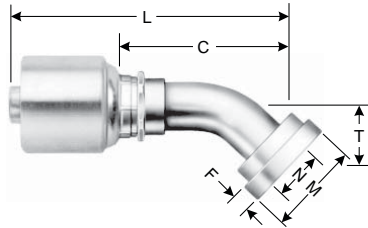


Descr.	Prod. No.	⊖		N	M	L		C		F		Std. Pack	
		"	mm	"	"	mm	mm	mm	"	mm	"		mm
STANDARD PACK													
20MGS-20FL	7347-86065	1 1/4	31.7	1 1/4	2.00	50.8	5.75	146.0	2.95	74.9	.32	8.0	1



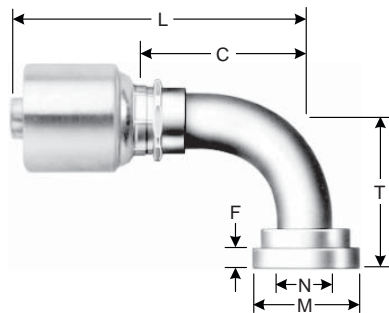


1 1/4" Special One-Piece Couplings - Code 61 O-Ring Flange - 45° Bent Tube



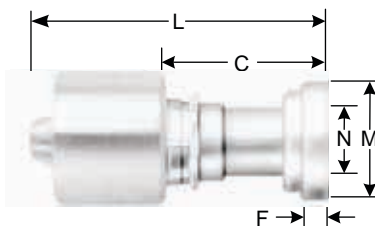
Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK															
20MGS-20FL45S-032	7347-86075	1 1/4	31.7	1 1/4	2.00	50.8	1.26	32.0	6.69	170.0	3.89	98.9	.32	8.0	1

1 1/4" Special One-Piece Couplings - Code 61 O-Ring Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK															
20MGS-20FL90M-090	7347-86085	1 1/4	31.7	1 1/4	2.00	50.8	3.54	90.0	6.54	166.0	3.74	94.9	.32	8.0	1

1 1/4" Special One-Piece Couplings - Code 62 O-Ring Flange



Descr.	Prod. No.	⊖		N	M		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
20MGS-20FLH	7347-86135	1 1/4	31.7	1 1/4	2.13	54.1	5.75	146.0	2.95	74.9	.41	10.3	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

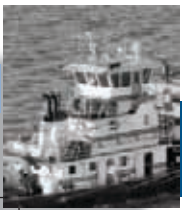
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





GlobalSpiral™ Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

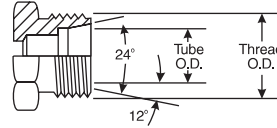
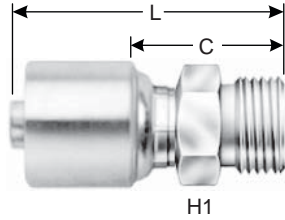
QUICK DISCONNECT COUPLERS

NEW BALL VALVES


ACCESSORIES

EQUIPMENT AND PARTS

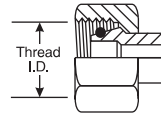
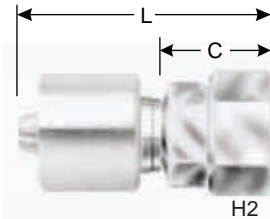
1 1/4" Special One-Piece Couplings - Male DIN 24° Cone - Heavy Series




H1

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
20MGS-38MDH	7347-86115	1 1/4	31.7	M52X2.0	55.0	—	4.84	123.0	2.04	51.9	1

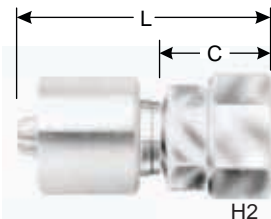
1 1/4" Special One-Piece Couplings - Female DIN 24° Cone Swivel - Heavy Series with O-Ring




H2

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
20MGS-38FDHORX	7347-86095	1 1/4	31.7	M52X2.0	—	60.0	5.71	145.0	2.91	73.9	1

1 1/4" Special One-Piece Couplings - Female British Standard Pipe Parallel O-Ring Swivel



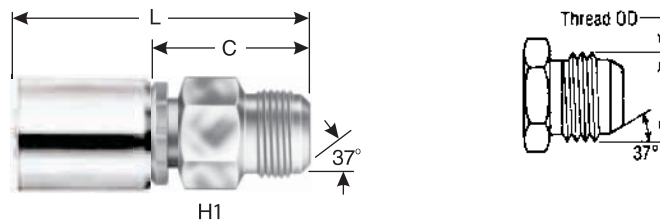
H2

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
20MGS-20FBSPORX	7347-86105	1 1/4	31.7	1 1/4-11	—	50.0	4.59	116.5	1.79	45.4	1



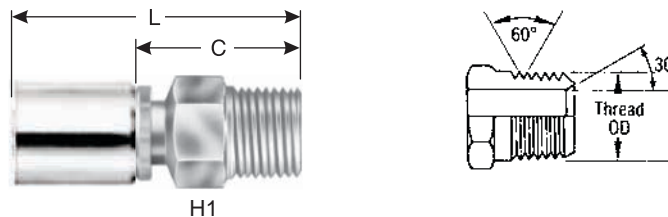


Male JIC 37° Flare



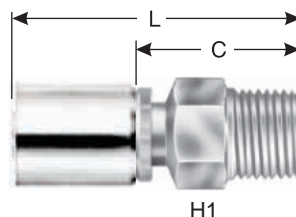
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
24GSH-24MJ	7341-02555	1 1/2	38.1	1 7/8-12	1.97	—	6.39	162.3	2.65	67.3	1
32GSH-32MJ	7341-06465	2	50.8	2 1/2-12	2.56	—	7.72	196.2	3.24	82.2	1

Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
24GSH-24MP	7341-02585	2	50.8	1 1/2-11	2.00	—	6.51	165.3	2.77	70.3	1
32GSH-32MP	7341-06455	2	50.8	2-11 1/2	2.75	—	7.54	191.6	3.05	77.5	1
BULK PACK											
24GSH-24MPXBULK	7341-0258	2	50.8	1 1/2-11	2.00	—	6.51	165.3	2.77	70.3	10
32GSH-32MPXBULK	7341-0645	2	50.8	2-11 1/2	2.75	—	7.54	191.6	3.05	77.5	5

Male Pipe for API Unions



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
32GSH-32MPAPI	7341-06475	2	50.8	2-11 1/2	2.75	—	9.39	238.4	4.90	124.4	1
BULK PACK											
32GSH-32MPAPIXBULK	7341-0647	2	50.8	2-11 1/2	2.75	—	9.39	238.4	4.90	124.4	5

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



GlobalSpiral™ - High Pressure Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

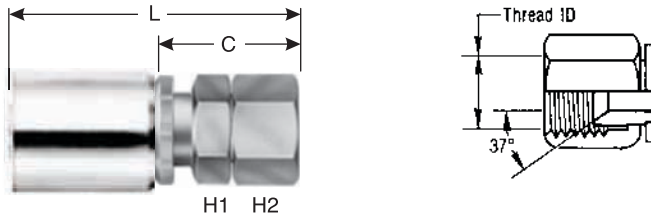
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

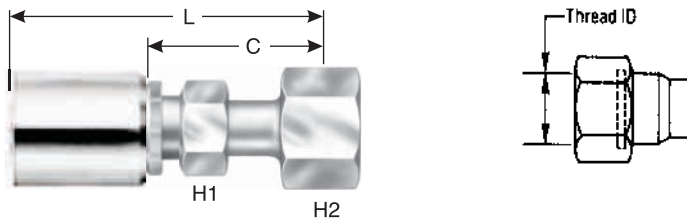
EQUIPMENT AND PARTS

Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
32GSH-32FJX	7341-06445	2	50.8	2 1/2-12	2.76	2.95	8.07	205.1	3.59	91.1	1
BULK PACK											
24GSH-24FJX XBULK	7341-0252	1 1/2	38.1	1 7/8-12	2.17	2.36	6.78	172.3	3.04	77.2	10
32GSH-32FJX XBULK	7341-0644	2	50.8	2 1/2-12	2.76	2.95	8.07	205.1	3.59	91.1	5

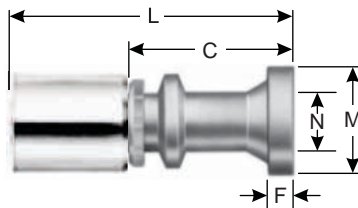
Female Flat-Face Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
24GSH-24FFORX	7341-02445	1 1/2	38.1	2-12	2.17	2.36	6.47	164.4	2.73	69.4	1
24GSH-24FJX	7341-02525	1 1/2	38.1	1 7/8-12	2.17	2.36	6.78	172.3	3.04	77.2	1
BULK PACK											
24GSH-24FFORXXBULK	7341-0244	1 1/2	38.1	2-12	2.17	2.36	6.47	164.4	2.73	69.4	10

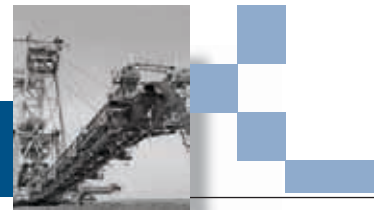
Code 61 O-Ring Flange

Maximum working pressure 3,000 PSI.



Descr.	Prod. No.	⊖		N	M	L		C		F		Std. Pack	
		"	mm	"	"	"	mm	"	mm	"	mm		
STANDARD PACK													
24GSH-24FL	7341-01905	1 1/2	38.1	1 1/2	2.38	60.3	7.09	180.0	3.35	85.0	.31	8.0	1
24GSH-32FL	7341-01915	1 1/2	38.1	2	2.81	71.4	7.40	188.0	3.66	93.0	.38	9.5	1



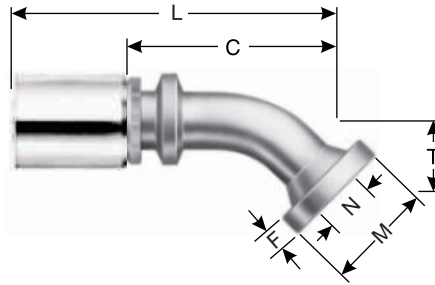


Code 61 O-Ring Flange - Cont'd

Descr.	Prod. No.	⊖		N	M		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	
32GSH-32FL	7341-06335	2	50.8	2	2.81	71.4	9.90	251.4	5.41	137.4	.38	9.5	1
BULK PACK													
24GSH-24FLXBULK	7341-0190	1 1/2	38.1	1 1/2	2.38	60.3	7.09	180.0	3.35	85.0	.31	8.0	9
32GSH-32FLXBULK	7341-0633	2	50.8	2	2.81	71.4	9.90	251.4	5.41	137.4	.38	9.5	5

Code 61 O-Ring Flange - 45° Bent Tube

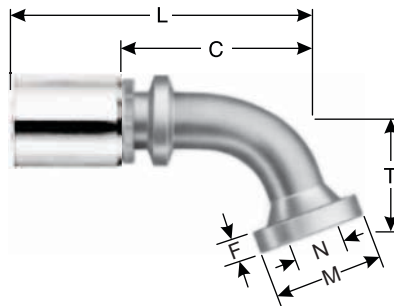
Maximum working pressure 3,000 PSI.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
24GSH-24FL45M	7341-01945	1 1/2	38.1	1 1/2	2.38	60.3	1.73	44.0	9.05	230.0	5.31	135.0	.31	8.0	1
32GSH-32FL45M	7341-06345	2	50.8	2	2.81	71.4	2.20	56.0	11.30	287.0	6.83	173.5	.38	9.5	1

Code 61 O-Ring Flange - 60° Bent Tube

Maximum working pressure 3,000 PSI.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
BULK PACK															
24GSH-24FL60MXBULK	7341-01965	1 1/2	38.1	1 1/2	2.38	60.3	2.52	64.0	9.50	241.2	5.75	146.2	.31	8.0	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





GlobalSpiral™ - High Pressure Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

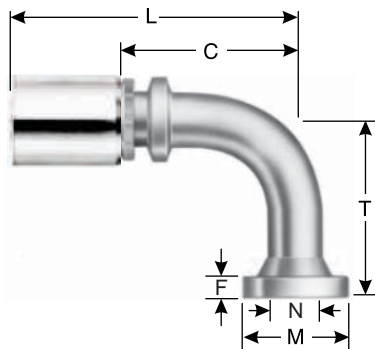
NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

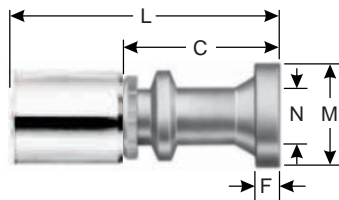
Code 61 O-Ring Flange - 90° Bent Tube

Maximum working pressure 3,000 PSI.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
24GSH-24FL90S	7341-01985	1 1/2	38.1	1 1/2	2.38	60.3	3.19	81.0	8.46	214.9	4.72	119.9	.31	8.0	1
24GSH-32FLH90S	7341-02365	1 1/2	38.1	2	2.81	71.4	4.72	120.0	8.42	214.0	4.68	118.9	.38	9.5	1
32GSH-32FL90-130	7341-06355	1	25.4	2	2.81	71.4	5.12	130.0	10.39	264.0	5.94	150.5	.38	9.5	1
BULK PACK															
32GSH-32FL90-130XBULK	7341-0635	2	50.8	2	2.81	71.4	5.12	130.0	10.39	264.0	5.94	150.5	.38	9.5	2

Code 62 O-Ring Flange Heavy

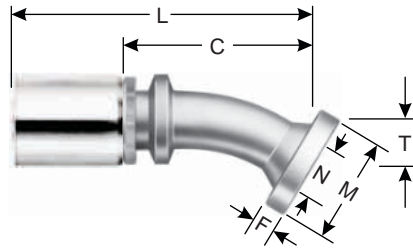


Descr.	Prod. No.	⊖		N	M		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	
STANDARD PACK													
24GSH-24FLH	7341-02255	1 1/2	38.1	1 1/2	2.50	63.5	7.87	200.0	4.13	105.0	.50	12.6	1
24GSH-32FLH	7341-02265	1 1/2	38.1	2	3.13	79.5	7.87	200.0	4.13	105.0	.50	12.6	1
32GSH-24FLH	7341-06135	2	50.8	1 1/2	2.50	63.5	9.04	229.6	4.55	115.6	.50	12.6	1
32GSH-32FLH	7341-15605	2	50.8	2	3.13	79.5	9.90	251.4	5.41	137.4	.50	12.6	1
BULK PACK													
24GSH-24FLHXBULK	7341-0225	1 1/2	38.1	1 1/2	2.50	63.5	7.87	200.0	4.13	105.0	.50	12.6	9
24GSH-32FLHXBULK	7341-0226	1 1/2	38.1	2	3.13	79.5	7.87	200.0	4.13	105.0	.50	12.6	10
32GSH-32FLH XBULK	7341-1560	2	50.8	2	3.13	79.5	9.90	251.4	5.41	137.4	.50	12.6	5



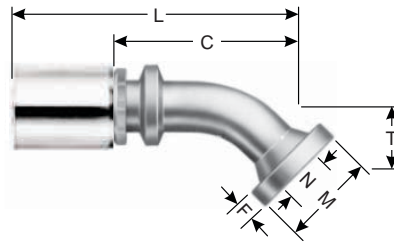


Code 62 O-Ring Flange Heavy - 30° Bent Tube



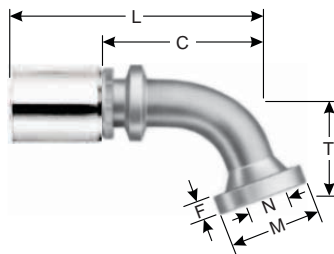
Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
24GSH-24FLH30M	7341-02295	1 1/2	38.1	1 1/2	2.50	63.5	3.54	30.0	9.45	240.0	5.70	144.8	.50	12.6	1

Code 62 O-Ring Flange Heavy - 45° Bent Tube



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
24GSH-24FLH45M	7341-02315	1 1/2	38.1	1 1/2	2.50	63.5	1.73	44.0	9.13	232.0	5.39	137.0	.50	12.6	1
32GSH-32FLH45-063	7341-06225	2	50.8	2	3.13	79.5	2.48	63.0	11.67	296.5	7.18	182.5	.50	12.7	1
BULK PACK															
24GSH-24FLH45XBULK	7341-0231	1 1/2	38.1	1 1/2	2.50	63.5	1.73	44.0	9.13	232.0	5.39	137.0	.50	12.6	15
32GSH-32FLH45-063XBULK	7341-0622	2	50.8	2	3.13	79.5	2.48	63.0	11.67	296.5	7.18	182.5	.50	12.6	2

Code 62 O-Ring Flange Heavy - 60° Bent Tube



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
24GSH-24FLH60M	7341-02335	1 1/2	38.1	1 1/2	2.50	63.5	2.50	64.0	9.25	253.0	6.23	158.2	.50	12.6	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

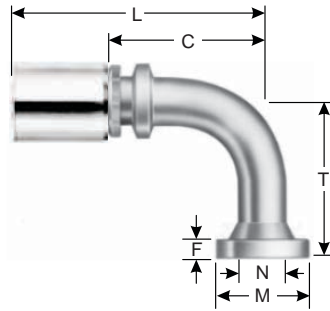
EQUIPMENT AND PARTS





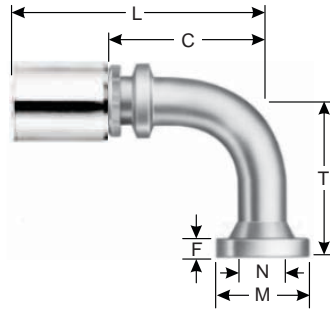
GlobalSpiral™ - High Pressure Couplings

Code 62 O-Ring Flange Heavy - 90° Bent Tube



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	"	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK																
32GSH-32FLH90-159	7341-15615	2	50.8	2	3.13	79.5	6.26	159.0	10.41	264.4	5.92	150.4	.50	12.6	1	
32GSH-32FLH90M	7341-06275	2	50.8	2	3.13	79.5	5.40	138.0	10.41	264.0	6.24	150.5	.50	12.6	1	
BULK PACK																
32GSH-32FLH90-159XBULK	7341-1561	2	50.8	2	3.13	79.5	6.26	159.0	10.41	264.4	5.92	150.4	.50	12.6	2	

Code 62 O-Ring Flange Heavy - 90° Medium Bent Tube



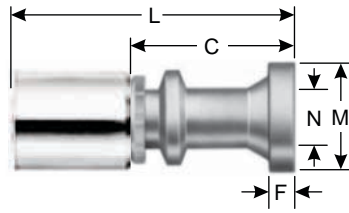
Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	"	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK																
24GSH-24FLH90-094	7341-02355	1 1/2	38.1	1 1/2	2.50	63.5	3.70	94.0	8.73	214.0	4.68	118.9	.50	12.6	1	
BULK PACK																
24GSH-24FLH90-094XBULK	7341-0235	1 1/2	38.1	1 1/2	2.50	63.5	3.70	94.0	8.43	214.0	4.68	118.9	.50	12.6	5	

- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



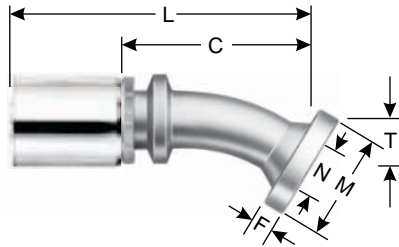


Caterpillar Style O-Ring Flange



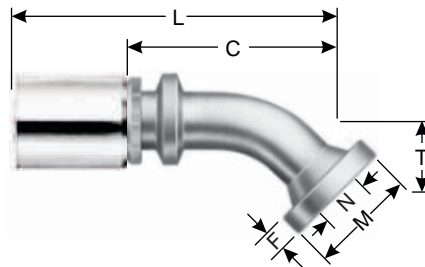
Descr.	Prod. No.	⊖		N		M		L		C		F		Std. Pack
		"	mm	"	"	mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK														
24GSH-24FLC	7341-02055	1 1/2	38.1	1 1/2	2.50	63.5	7.44	189.0	3.71	94.3	.56	14.2	1	
24GSH-24FLCL	7341-02175	1 1/2	38.1	1 1/2	2.50	63.5	9.37	238.0	5.64	143.2	.56	14.2	1	
32GSH-32FLC	7341-06385	2	30.8	2	3.13	79.4	8.96	227.7	4.48	113.7	.56	14.2	1	

Caterpillar Style O-Ring Flange - 30° Bent Tube



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK																
24GSH-24FLC30-023	7341-02095	1 1/2	38.1	1 1/2	2.50	63.5	.90	23.0	9.25	235.0	5.49	139.5	.56	14.2	1	

Caterpillar Style O-Ring Flange - 45° Bent Tube



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK																
24GSH-24FLC45-039	7341-02115	1 1/2	38.1	1 1/2	2.50	63.5	1.54	39.0	8.94	227.0	5.20	132.0	.56	14.2	1	

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

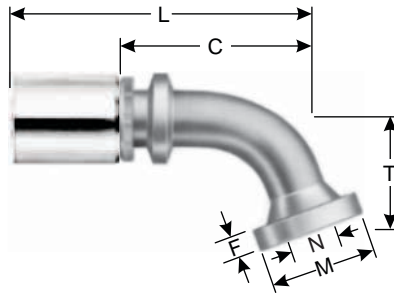
EQUIPMENT AND PARTS



GlobalSpiral™ - High Pressure Couplings

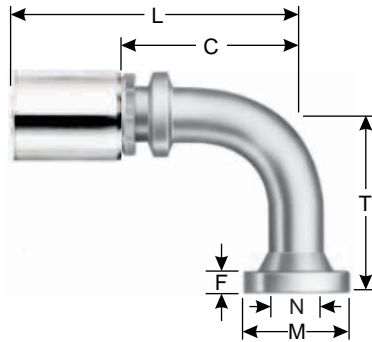


Caterpillar Style O-Ring Flange - 60° Bent Tube



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
24GSH-24FLC60-055	7341-02135	1 1/2	38.1	1 1/2	2.50	63.5	2.17	55.0	9.91	251.6	6.17	156.6	.56	14.2	1
32GSH-32FLC60-083	7341-06405	2	50.8	2	3.13	79.4	3.27	83.0	12.67	322.0	8.17	207.5	.56	14.2	1

Caterpillar Style O-Ring Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
24GSH-24FLC90-087	7341-02155	1 1/2	38.1	1 1/2	2.50	63.5	3.43	87.0	8.43	214.4	4.70	119.1	.56	14.2	1
32GSH-32FLC90-130	7341-06415	2	50.8	2	3.13	79.4	5.12	130.0	10.40	264.4	5.92	150.4	.56	14.2	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

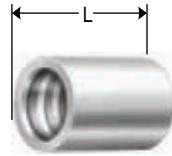
ACCESSORIES

EQUIPMENT AND PARTS



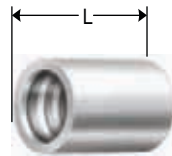


PCM Skive Ferrules



Descr.	Prod. No.	L		Ø		Std. Pack
		"	mm	"	mm	
STANDARD PACK						
10PCM-2F	7343-02605	1.81	46.0	1.41	35.8	1
12PCM-2F	7343-02515	2.05	52.1	1.74	44.2	1
16PCM-2F	7343-02525	2.28	57.9	1.70	43.2	1
20PCM-2F	7343-02565	2.84	72.1	2.15	54.6	1
24PCM-2F	7343-02545	3.50	88.9	2.44	62.1	1
32PCM-2F	7343-02575	3.68	93.5	3.45	76.2	1
BULK PACK						
10PCM-2FXBULK	7343-0260	1.81	46.0	1.41	35.8	100
12PCM-2FXBULK	7343-0251	2.05	52.1	1.74	44.2	75
16PCM-2FXBULK	7343-0252	2.28	57.9	1.70	43.2	60
20PCM-2FXBULK	7343-0256	2.84	72.1	2.15	54.6	30
24PCM-2FXBULK	7343-0254	3.50	88.9	2.44	62.1	15
32PCM-2FXBULK	7343-0257	3.68	93.5	3.45	76.2	10

PCM-G6 Ferrules



Descr.	Prod. No.	L		Ø		Std. Pack
		"	mm	"	mm	
STANDARD PACK						
24PCM-G6K	7343-09805	3.53	89.7	2.77	70.4	1
BULK PACK						
24PCM-G6KXBULK	7343-0980	3.53	89.7	2.77	70.4	15

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBAL SPIRAL COUPLINGS
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PCTS THERMO-PLASTIC COUPLINGS
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FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

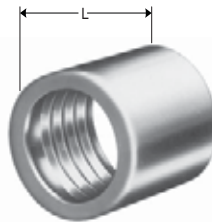




Power Crimp® PCM & PCS Ferrules

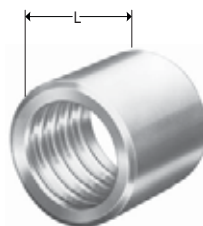
EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
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QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

PCS Non-Skive Ferrule



Descr.	Prod. No.	⊖	L		∅		Std. Pack
		"	"	mm	"	mm	
STANDARD PACK							
6PCS1F	7342-07705	3/8	1.10	27.9	1.23	31.2	1
8PCS1F	7342-07715	1/2	1.50	38.1	1.36	34.5	5
12PCS1F	7342-07725	3/4	1.97	50.0	1.65	41.9	5
16PCS1F-M3K	7342-07735	1	2.19	55.6	1.98	50.3	5
20PCS1F-M3K	7342-07745	1 1/4	2.77	70.4	2.43	61.7	1
24PCS1F	7342-07755	1 1/2	3.50	88.9	2.77	70.4	1
32PCS1F-G3K	7342-07775	2	3.43	87.1	3.34	84.8	1
BULK PACK							
6PCS1F XBULK	7342-0770	3/8	1.10	27.9	1.23	31.2	200
8PCS1F XBULK	7342-0771	1/2	1.50	38.1	1.36	34.5	200
12PCS1F XBULK	7342-0772	3/4	1.97	50.0	1.65	41.9	100
16PCS1F-M3K XBULK	7342-0773	1	2.19	55.6	1.98	50.3	60
20PCS1F-M3K XBULK	7342-0774	1 1/4	2.77	70.4	2.43	61.7	35
24PCS1F XBULK	7342-0775	1 1/2	3.50	88.9	2.77	70.4	15
32PCS1F-G3K XBULK	7342-0777	2	3.43	87.1	3.34	84.8	12

PCS Skive Ferrule



Descr.	Prod. No.	⊖	L		∅		Std. Pack
		"	"	mm	"	mm	
STANDARD PACK							
6PCS-2F	7342-02585	3/8	1.10	27.9	1.01	25.7	1
8PCS-2F	7342-02595	1/2	1.50	38.1	1.21	30.7	1
12PCS-2F	7342-07545	3/4	1.97	50.0	1.50	38.1	1
16PCS-2F	7342-07555	1	2.07	52.6	1.97	50.0	1
20PCS-2F	7342-07565	1 1/4	2.77	70.4	2.25	57.2	1
24PCS-2F	7342-07575	1 1/2	2.77	70.4	2.54	64.5	1
32PCS-2F	7342-07585	2	3.43	87.1	3.08	78.2	1
BULK PACK							
8PCS-2FXBULK	7342-0259	1/2	1.50	38.1	1.21	30.7	250
12PCS-2FXBULK	7342-0754	3/4	1.97	50.0	1.50	38.1	125
16PCS-2FXBULK	7342-0755	1	2.07	52.6	1.97	50.0	75



Power Crimp® PCM & PCS Ferrules



PCS Skive Ferrule - Cont'd

Descr.	Prod. No.	⊖	L		∅		Std. Pack
		"	"	mm	"	mm	
20PCS-2FXBULK	7342-0756	1 1/4	2.77	70.4	2.25	57.2	35
24PCS-2FXBULK	7342-0757	1 1/2	2.77	70.4	2.54	64.5	25
32PCS-2FXBULK	7342-0758	2	3.43	87.1	3.08	78.2	15

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



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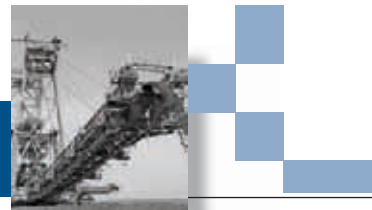
E3



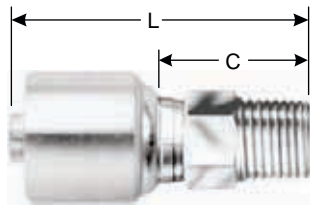
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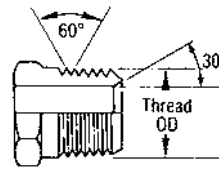
MegaCrimp® Couplings




Male Pipe (NPTF - 30° Cone Seat)



H1



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-2MP	7100-10025	1/4	6.4	1/8-27	1/2	—	1.97	50.0	.94	24.0	5
4G-4MP	7100-10035	1/4	6.4	1/4-18	9/16	—	2.17	55.0	1.14	29.0	5
4G-6MP	7100-10045	1/4	6.4	3/8-18	11/16	—	2.17	55.0	1.14	29.0	5
4G-8MP	7100-10055	1/4	6.4	1/2-14	7/8	—	2.44	62.0	1.42	36.0	1
5G-4MP	7100-00065	5/16	7.9	1/4-18	5/8	—	2.28	58.0	1.18	30.0	1
5G-6MP	7100-10065	5/16	7.9	3/8-18	5/8	—	1.22	55.5	1.08	27.5	1
6G-4MP	7100-10075	3/8	9.5	1/4-18	5/8	—	2.32	59.0	1.22	31.1	5
6G-6MP	7100-10085	3/8	9.5	3/8-18	11/16	—	2.32	59.0	1.22	31.1	5
6G-8MP	7100-10095	3/8	9.5	1/2-14	7/8	—	2.52	64.0	1.42	36.1	5
8G-6MP	7100-00105	1/2	12.7	3/8-18	13/16	—	2.72	69.0	1.24	31.5	5
8G-8MP	7100-00115	1/2	12.7	1/2-14	7/8	—	2.78	73.0	1.40	35.5	5
8G-12MP	7100-00125	1/2	12.7	3/4-14	1 1/16	—	2.95	75.0	1.48	37.5	5
10G-8MP	7100-00225	5/8	15.8	1/2-14	15/16	—	2.95	75.0	1.48	37.5	1
10G-12MP	7100-00235	5/8	15.8	3/4-14	1 1/16	—	2.89	73.5	1.42	36.0	1
12G-8MP	7100-00155	3/4	19.0	1/2-14	1 1/16	—	3.46	88.0	1.46	37.0	1
12G-12MP	7100-00165	3/4	19.0	3/4-14	1 1/16	—	3.46	88.0	1.46	37.0	5
12G-16MP	7100-00175	3/4	19.0	1-11 1/2	1 3/8	—	3.78	96.0	1.77	45.0	1
16G-12MP	7100-00195	1	25.4	3/4-14	1 3/8	—	3.94	100.0	1.70	43.2	1
16G-16MP	7100-00205	1	25.4	1-11 1/2	1 3/8	—	4.11	104.5	1.88	47.7	1
20G-20MP	7100-00215	1 1/4	31.7	1 1/4-11 1/2	1 3/4	—	4.45	113.0	2.13	54.0	1
BULK PACK											
4G-2MPXBULK	7100-1002	1/4	6.4	1/8-27	1/2	—	1.97	50.0	.94	24.0	370
4G-4MPXBULK	7100-1003	1/4	6.4	1/4-18	9/16	—	2.17	55.0	1.14	29.0	300
4G-6MPXBULK	7100-1004	1/4	6.4	3/8-18	11/16	—	2.17	55.0	1.14	29.0	300
4G-8MPXBULK	7100-1005	1/4	6.4	1/2-14	7/8	—	2.44	62.0	1.42	36.0	100
6G-4MPXBULK	7100-1007	3/8	9.5	1/4-18	5/8	—	2.32	59.0	1.22	31.1	275
6G-6MPXBULK	7100-1008	3/8	9.5	3/8-18	11/16	—	2.32	59.0	1.22	31.1	200
6G-8MPXBULK	7100-1009	3/8	9.5	1/2-14	7/8	—	2.52	64.0	1.42	36.1	200
8G-6MPXBULK	7100-0010	1/2	12.7	3/8-18	13/16	—	2.72	69.0	1.24	31.5	175
8G-8MPXBULK	7100-0011	1/2	12.7	1/2-14	7/8	—	2.78	73.0	1.40	35.5	150
8G-12MPXBULK	7100-0012	1/2	12.7	3/4-14	1 1/16	—	2.95	75.0	1.48	37.5	100
10G-8MPXBULK	7100-0022	5/8	15.8	1/2-14	15/16	—	2.95	75.0	1.48	37.5	125
10G-12MPXBULK	7100-0023	5/8	15.8	3/4-14	1 1/16	—	2.89	73.5	1.42	36.0	100
12G-8MPXBULK	7100-0015	3/4	19.0	1/2-14	1 1/16	—	3.46	88.0	1.46	37.0	75
12G-12MPXBULK	7100-0016	3/4	19.0	3/4-14	1 1/16	—	3.46	88.0	1.46	37.0	60
12G-16MPXBULK	7100-0017	3/4	19.0	1-11 1/2	1 3/8	—	3.78	96.0	1.77	45.0	50
16G-12MPXBULK	7100-0019	1	25.4	3/4-14	1 3/8	—	3.94	100.0	1.70	43.2	25
16G-16MPXBULK	7100-0020	1	25.4	1-11 1/2	1 3/8	—	4.11	104.5	1.88	47.7	30
20G-20MPXBULK	7100-0021	1 1/4	31.7	1 1/4-11 1/2	1 3/4	—	4.45	113.0	2.13	54.0	20

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

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FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

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EQUIPMENT AND PARTS



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F1



MegaCrimp® Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

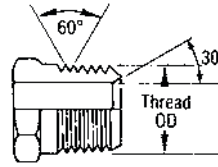
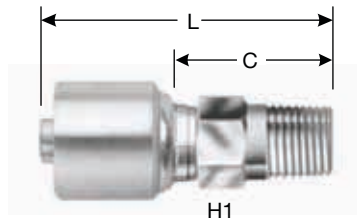
NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

Male Pipe Long Nose

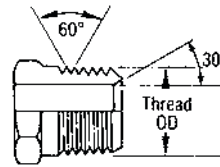
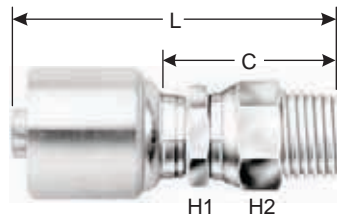
For use with J2AT Jack Hose and special high-pressure applications.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-4MPLN	7100-16615	1/4	6.4	1/4-18	9/16	—	2.56	65.0	1.54	39.0	1
4G-6MPLN	7100-16625	1/4	6.4	3/8-18	11/16	—	2.56	65.0	1.54	39.0	1
6G-4MPLN	7100-16645	3/8	9.5	1/4-18	5/8	—	2.72	69.0	1.62	41.1	1
6G-6MPLN	7100-16635	3/8	9.5	3/8-18	11/16	—	2.72	69.0	1.62	41.1	1
BULK PACK											
4G-4MPLNXBULK	7100-1661	1/4	6.4	1/4-18	9/16	—	2.56	65.0	1.54	39.0	200
4G-6MPLNXBULK	7100-1662	1/4	6.4	3/8-18	11/16	—	2.56	65.0	1.54	39.0	175
6G-6MPLNXBULK	7100-1663	3/8	9.5	3/8-18	11/16	—	2.72	69.0	1.62	41.1	150

Male Pipe Swivel (NPTF - Without 30° Cone Seat)

NOT TO BE USED AS A LIVE SWIVEL.




Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-2MPX	7100-10245	1/4	6.4	1/8-27	1/2	1/2	2.39	60.8	1.37	24.8	1
4G-4MPX	7100-10255	1/4	6.4	1/4-18	1/2	7/8	2.61	66.3	1.58	40.2	5
4G-6MPX	7100-10265	1/4	6.4	3/8-18	5/8	7/8	2.74	69.5	1.71	43.5	1
4G-8MPX	7100-10275	1/4	6.4	1/2-14	3/4	1	2.97	75.4	1.94	49.4	1
6G-4MPX	7100-10285	3/8	9.5	1/4-18	5/8	7/8	2.87	72.8	.85	21.7	5
6G-6MPX	7100-10295	3/8	9.5	3/8-18	2 1/2	7/8	2.81	71.5	1.72	43.6	5
6G-8MPX	7100-10305	3/8	9.5	1/2-14	3/4	1	3.05	77.5	1.95	49.5	5
8G-6MPX	7100-00315	1/2	12.7	3/8-18	13/16	7/8	3.23	82.0	1.76	44.6	1
8G-8MPX	7100-00325	1/2	12.7	1/2-14	13/16	1	3.42	86.9	1.94	49.4	5
10G-12MPX	7100-00335	5/8	15.8	3/4-14	1 1/16	1 5/16	3.48	88.5	2.01	51.1	1
12G-8MPX	7100-00345	3/4	19.1	1/2-14	1 1/16	1	3.97	100.9	1.96	49.9	1
12G-12MPX	7100-00355	3/4	19.1	3/4-14	1 1/16	1 5/16	4.02	102.0	2.01	51.0	1
16G-16MPX	7100-00365	1	25.4	1-11 1/2	1 3/8	1 5/8	4.73	120.2	2.50	63.4	1
BULK PACK											
4G-4MPX XBULK	7100-1025	1/4	6.4	1/4-18	1/2	7/8	2.61	66.3	1.58	40.2	300
4G-6MPX XBULK	7100-1026	1/4	6.4	3/8-18	5/8	7/8	2.74	69.5	1.71	43.5	100
6G-4MPX XBULK	7100-1028	3/8	9.5	1/4-18	5/8	7/8	2.87	72.8	.85	21.7	100



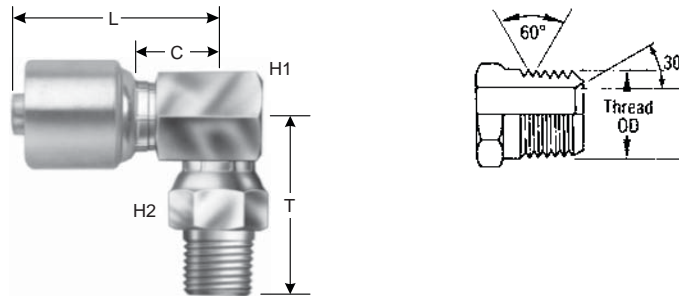



Male Pipe Swivel (NPTF - Without 30° Cone Seat) - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
6G-6MPX XBULK	7100-1029	3/8	9.5	3/8-18	2 1/2	7/8	2.81	71.5	1.72	43.6	175
6G-8MPX XBULK	7100-1030	3/8	9.5	1/2-14	3/4	1	3.05	77.5	1.95	49.5	125
8G-6MPX XBULK	7100-0031	1/2	12.7	3/8-18	13/16	7/8	3.23	82.0	1.76	44.6	100
8G-8MPX XBULK	7100-0032	1/2	12.7	1/2-14	13/16	1	3.42	86.9	1.94	49.4	125
12G-8MPX XBULK	7100-0034	3/4	19.1	1/2-14	1 1/16	1	3.97	100.9	1.96	49.9	75
12G-12MPX XBULK	7100-0035	3/4	19.1	3/4-14	1 1/16	1 5/16	4.02	102.0	2.01	51.0	50
16G-16MPX XBULK	7100-0036	1	25.4	1-11 1/2	1 3/8	1 5/8	4.73	120.2	2.50	63.4	25

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		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
4G-2MPX90	7100-10365	1/4	6.4	1/8-27	11/16	1/2	1.20	30.5	2.12	53.9	.72	18.4	1
4G-4MPX90	7100-10375	1/4	6.4	1/4-18	11/16	11/16	1.63	41.3	1.75	44.5	.72	18.4	1
4G-6MPX90	7100-10385	1/4	6.4	3/8-18	11/16	7/8	1.73	43.9	1.82	46.3	.80	20.2	1
6G-4MPX90	7100-10395	3/8	9.5	1/4-18	3/4	11/16	1.66	42.1	1.95	49.6	.85	21.7	1
6G-6MPX90	7100-10405	3/8	9.5	3/8-18	3/4	7/8	1.76	44.8	1.95	49.6	.85	21.7	1
6G-8MPX90	7100-10415	3/8	9.5	1/2-14	3/4	1	1.93	49.1	1.96	49.7	.85	21.7	1
8G-6MPX90	7100-07135	1/2	12.7	3/8-18	1	7/8	1.89	48.0	2.55	64.7	1.07	27.2	1
8G-8MPX90	7100-00425	1/2	12.7	1/2-14	1	1	2.06	52.3	2.55	64.7	1.07	27.2	1
12G-12MPX90	7100-00435	3/4	19.1	3/4-14	1 3/8	1 15/16	2.30	58.4	3.18	80.7	1.17	29.7	1
BULK PACK													
4G-4MPX90XBULK	7100-1037	1/4	6.4	1/4-18	11/16	11/16	1.63	41.3	1.75	44.5	.72	18.4	200
4G-6MPX90XBULK	7100-1038	1/4	6.4	3/8-18	11/16	7/8	1.73	43.9	1.82	46.3	.80	20.2	150
6G-6MPX90XBULK	7100-1040	3/8	9.5	3/8-18	3/4	7/8	1.76	44.8	1.95	49.6	.85	21.7	100
6G-8MPX90XBULK	7100-1041	3/8	9.5	1/2-14	3/4	1	1.93	49.1	1.96	49.7	.85	21.7	150
8G-8MPX90XBULK	7100-0042	1/2	12.7	1/2-14	1	1	2.06	52.3	2.55	64.7	1.07	27.2	75
12G-12MPX90XBULK	7100-0043	3/4	19.1	3/4-14	1 3/8	1 15/16	2.30	58.4	3.18	80.7	1.17	29.7	30

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLAR SEAL COUPLINGS

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FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



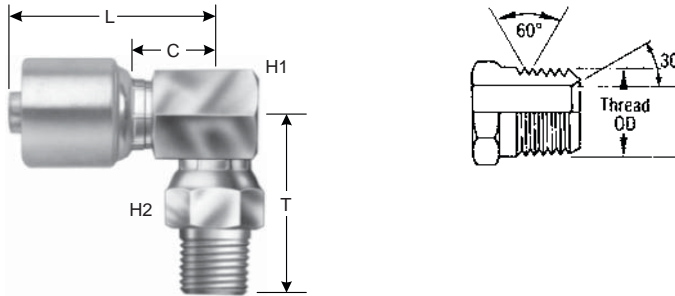


MegaCrimp® Couplings

Male Pipe Swivel - 90° Long Block (NPTF - Without 30° Cone Seat)

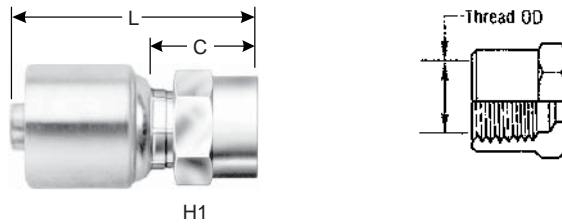
NOT TO BE USED AS A LIVE SWIVEL.

These couplings have a longer reach (L dimension) to accommodate the OmniCrimp® 21 crimper.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
6G-8MPX90L	7100-00445	3/8	9.5	1/2-14	3/4	1	1.93	49.1	3.41	86.5	1.94	49.3	1
8G-8MPX90L	7100-00455	1/2	12.7	1/2-14	1	1	2.06	52.3	3.76	95.5	1.80	45.6	1
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

Female Pipe (NPTF - Without 30° Cone Seat)




Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4G-2FP	7100-10485	1/4	6.4	1/8-27	9/16	—	1.74	44.3	.72	18.3	1
4G-4FP	7100-10495	1/4	6.4	1/4-18	11/16	—	1.99	50.5	.96	24.5	1
4G-6FP	7100-10505	1/4	6.4	3/8-18	13/16	—	1.99	50.5	.96	24.5	1
6G-4FP	7100-10515	3/8	9.5	1/4-18	11/16	—	2.01	51.0	.91	23.1	1
6G-6FP	7100-10525	3/8	9.5	3/8-18	13/16	—	2.07	52.5	.97	24.6	5
6G-8FP	7100-10535	3/8	9.5	1/2-14	1	—	2.25	57.1	1.15	29.2	1
8G-6FP	7100-00545	1/2	12.7	3/8-18	13/16	—	2.46	62.5	.98	25.0	1
8G-8FP	7100-00555	1/2	12.7	1/2-14	1	—	2.64	67.0	1.16	29.5	5
12G-12FP	7100-00565	3/4	19.0	3/4-14	1 1/4	—	3.23	82.0	1.22	31.0	1
BULK PACK											
4G-2FPXBULK	7100-1048	1/4	6.4	1/8-27	9/16	—	1.74	44.3	.72	18.3	250
4G-4FPXBULK	7100-1049	1/4	6.4	1/4-18	11/16	—	1.99	50.5	.96	24.5	300
4G-6FPXBULK	7100-1050	1/4	6.4	3/8-18	13/16	—	1.99	50.5	.96	24.5	100
6G-4FPXBULK	7100-1051	3/8	9.5	1/4-18	11/16	—	2.01	51.0	.91	23.1	150
6G-6FPXBULK	7100-1052	3/8	9.5	3/8-18	13/16	—	2.07	52.5	.97	24.6	200
6G-8FPXBULK	7100-1053	3/8	9.5	1/2-14	1	—	2.25	57.1	1.15	29.2	175
8G-6FPXBULK	7100-0054	1/2	12.7	3/8-18	13/16	—	2.46	62.5	.98	25.0	100

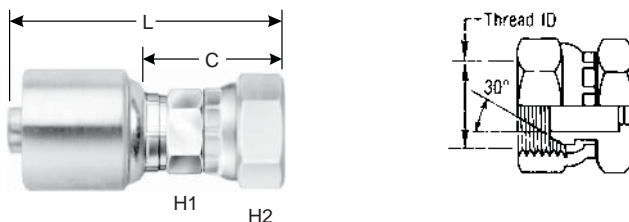





Female Pipe (NPTF - Without 30° Cone Seat) - Cont'd

Descr.	Prod. No.	⌀			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
8G-8FPXBULK	7100-0055	1/2	12.7	1/2-14	1	—	2.64	67.0	1.16	29.5	150
12G-12FPXBULK	7100-0056	3/4	19.0	3/4-14	1 1/4	—	3.23	82.0	1.22	31.0	60

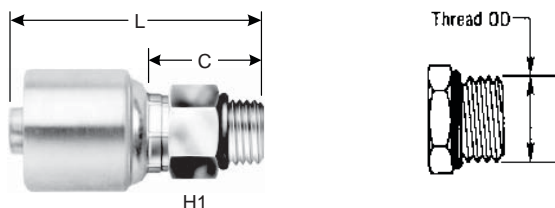
Female Pipe Swivel (NPSM - 30° Cone Seat)




Descr.	Prod. No.	⌀			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-4FPX	7100-10575	1/4	6.4	1/4-18	1/2	11/16	2.24	57.0	1.22	30.9	1
6G-6FPX	7100-10585	3/8	9.5	3/8-18	5/8	7/8	2.37	60.2	1.27	32.3	5
6G-8FPX	7100-10595	3/8	9.5	1/2-14	13/16	1	2.56	64.9	1.46	37.0	1
8G-8FPX	7100-00595	1/2	12.7	1/2-14	13/16	1	2.81	71.4	1.33	33.9	5
12G-12FPX	7100-00605	3/4	19.0	3/4-14	1 1/16	1 1/4	3.72	94.4	1.71	43.4	1
16G-16FPX	7100-00615	1	25.4	1-11 1/2	1 3/8	1 1/2	4.11	104.3	1.87	47.5	1
20G-20FPX	7100-00625	1 1/4	31.8	1 1/4-17/32	1 3/4	1 7/8	4.50	114.4	2.18	55.4	1
BULK PACK											
4G-4FPX XBULK	7100-1057	1/4	6.4	1/4-18	1/2	11/16	2.24	57.0	1.22	30.9	110
6G-6FPX XBULK	7100-1058	3/8	9.5	3/8-18	5/8	7/8	2.37	60.2	1.27	32.3	180
8G-8FPX XBULK	7100-0059	1/2	12.7	1/2-14	13/16	1	2.81	71.4	1.33	33.9	100
12G-12FPX XBULK	7100-0060	3/4	19.0	3/4-14	1 1/16	1 1/4	3.72	94.4	1.71	43.4	60
16G-16FPX XBULK	7100-0061	1	25.4	1-11 1/2	1 3/8	1 1/2	4.11	104.3	1.87	47.5	35

Male O-Ring Boss

SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



Descr.	Prod. No.	⌀			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-4MB	7100-12205	1/4	6.4	7/16-20	9/16	—	1.99	50.5	.96	24.5	1
4G-5MB	7100-12215	1/4	6.4	1/2-20	5/8	—	1.99	50.5	.96	24.5	1
4G-6MB	7100-12225	1/4	6.4	9/16-18	11/16	—	2.05	52.0	1.02	26.0	1
6G-5MB	7100-12285	3/8	9.5	1/2-20	1/16	—	2.05	52.0	.95	24.1	1
6G-6MB	7100-13235	3/8	9.5	9/16-18	11/16	—	2.07	52.5	.96	24.5	1



- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBAL SPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS**
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

MegaCrimp® Couplings



EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

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SURELOK AIR BRAKE COUPLINGS


QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

Male O-Ring Boss - Cont'd

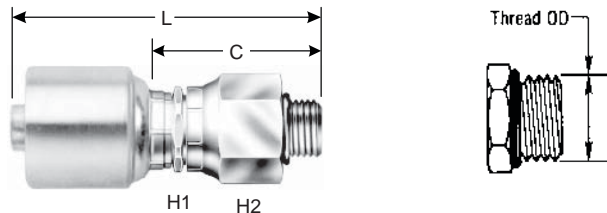
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
6G-8MB	7100-13245	3/8	9.5	3/4-16	7/8	—	2.17	55.0	1.07	27.1	1
6G-10MB	7100-12255	3/8	9.5	7/8-14	1	—	2.22	56.5	1.13	28.6	1
6G-12MB	7100-12265	3/8	9.5	1 1/16-12	1 1/4	—	2.42	61.5	1.32	33.6	1
8G-8MB	7100-13275	1/2	12.7	7/8-14	7/8	—	2.54	64.5	1.06	27.0	1
8G-10MB	7100-13285	1/2	12.7	7/8-14	1	—	2.58	65.5	1.10	28.0	1
8G-12MB	7100-13295	1/2	12.7	1 1/16-12	1 1/4	—	2.78	70.5	1.30	33.0	1
10G-8MB	7100-02305	5/8	15.8	3/4-16	1 1/4	—	2.83	72.0	1.36	34.5	1
10G-10MB	7100-13315	5/8	15.8	7/8-14	1	—	2.64	67.0	1.16	29.5	1
10G-12MB	7100-13325	5/8	15.8	1 1/16-12	1 1/4	—	2.78	70.5	1.30	33.0	1
12G-10MB	7100-02265	3/4	19.1	7/8-14	1	—	3.23	82.1	1.22	31.1	1
12G-12MB	7100-02335	3/4	19.0	1 1/16-12	1 1/4	—	3.33	84.5	1.32	33.5	1
12G-14MB	7100-02345	3/4	19.0	1 3/16-12	1 3/8	—	3.31	84.0	1.30	33.0	1
12G-16MB	7100-02355	3/4	19.0	1 5/16-12	1 1/2	—	3.44	87.5	1.44	36.5	1
16G-14MB	7100-02365	1	25.4	1 3/16-12	1 3/8	—	3.78	96.0	1.54	39.2	1
16G-16MB	7100-02375	1	25.4	1 5/16-12	1 1/2	—	3.72	94.5	1.48	37.7	1
16G-20MB	7100-02255	1	25.4	105/8-12	1 7/8	—	3.74	95.0	1.50	38.2	1
20G-20MB	7100-02385	1 1/4	31.8	1 5/8-12	1 7/8	—	3.82	97.0	1.50	38.0	1
BULK PACK											
4G-4MBXBULK	7100-1220	1/4	6.4	7/16-20	9/16	—	1.99	50.5	.96	24.5	175
4G-5MBXBULK	7100-1221	1/4	6.4	1/2-20	5/8	—	1.99	50.5	.96	24.5	200
4G-6MBXBULK	7100-1222	1/4	6.4	9/16-18	11/16	—	2.05	52.0	1.02	26.0	100
6G-6MBXBULK	7100-1323	3/8	9.5	9/16-18	11/16	—	2.07	52.5	.96	24.5	250
6G-8MBXBULK	7100-1324	3/8	9.5	3/4-16	7/8	—	2.17	55.0	1.07	27.1	200
6G-10MBXBULK	7100-1225	3/8	9.5	7/8-14	1	—	2.22	56.5	1.13	28.6	175
8G-8MBXBULK	7100-1327	1/2	12.7	7/8-14	7/8	—	2.54	64.5	1.06	27.0	135
8G-10MBXBULK	7100-1328	1/2	12.7	7/8-14	1	—	2.58	65.5	1.10	28.0	125
8G-12MBXBULK	7100-1329	1/2	12.7	1 1/16-12	1 1/4	—	2.78	70.5	1.30	33.0	100
10G-10MBXBULK	7100-1331	5/8	15.8	7/8-14	1	—	2.64	67.0	1.16	29.5	100
10G-12MBXBULK	7100-1332	5/8	15.8	1 1/16-12	1 1/4	—	2.78	70.5	1.30	33.0	75
12G-12MBXBULK	7100-0233	3/4	19.0	1 1/16-12	1 1/4	—	3.33	84.5	1.32	33.5	60
16G-16MBXBULK	7100-0237	1	25.4	1 5/16-12	1 1/2	—	3.72	94.5	1.48	37.7	30


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.




Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4G-4MBX	7100-12385	1/4	6.4	7/16-20	1/2	23/32	2.69	68.4	1.67	42.4	1
4G-6MBX	7100-12395	1/4	6.4	9/16-18	5/8	7/8	2.65	67.3	1.62	41.2	1
6G-6MBX	7100-12405	3/8	6.4	9/16-18	5/8	3/4	2.73	69.3	1.63	41.3	1
6G-8MBX	7100-12415	3/8	9.5	3/4-16	3/4	1	2.74	69.6	1.64	41.6	1





Male O-Ring Boss Swivel - Cont'd

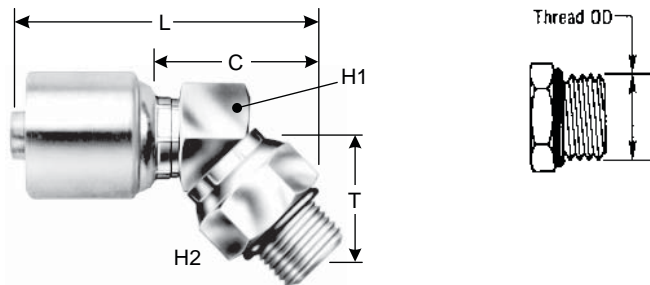
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
6G-10MBX	7100-12425	3/8	9.5	7/8-14	3/4	1	2.80	71.1	1.70	43.1	1
8G-8MBX	7100-02435	1/2	12.7	3/4-16	13/16	1	3.11	79.1	1.64	41.6	1
8G-10MBX	7100-02445	1/2	12.7	7/8-14	13/16	1	3.17	80.6	1.70	43.1	1
10G-10MBX	7100-02645	5/8	15.8	7/8-14	15/16	1 3/16	3.47	88.3	2.00	50.8	1
12G-12MBX	7100-02455	3/4	19.0	1 1/16-12	1 1/16	1 5/16	4.00	101.5	1.99	50.5	1
BULK PACK											
6G-6MBX XBULK	7100-1240	3/8	6.4	9/16-18	5/8	3/4	2.73	69.3	1.63	41.3	100
6G-8MBX XBULK	7100-1241	3/8	9.5	3/4-16	3/4	1	2.74	69.6	1.64	41.6	125
8G-8MBX XBULK	7100-0243	1/2	12.7	3/4-16	13/16	1	3.11	79.1	1.64	41.6	125
8G-10MBX XBULK	7100-0244	1/2	12.7	7/8-14	13/16	1	3.17	80.6	1.70	43.1	125
12G-12MBX XBULK	7100-0245	3/4	19.0	1 1/16-12	1 1/16	1 5/16	4.00	101.5	1.99	50.5	60


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.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
6G-6MBX45	7100-12475	3/8	9.5	9/16-18	3/4	7/8	1.09	27.8	3.11	79.0	2.01	51.0	1
6G-8MBX45	7100-12485	3/8	9.5	3/4-16	3/4	1	1.06	26.9	3.07	78.1	1.98	50.2	1
8G-8MBX45	7100-02495	1/2	12.7	3/4-16	1	1	1.12	28.4	3.04	77.2	1.56	39.7	1
8G-10MBX45	7100-02505	1/2	12.7	7/8-14	1	1	1.16	29.5	3.08	78.3	1.61	40.8	1
BULK PACK													
8G-8MBX45XBULK	7100-0249	1/2	12.7	3/4-16	1	1	1.12	28.4	3.04	77.2	1.56	39.7	75

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBAL SPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





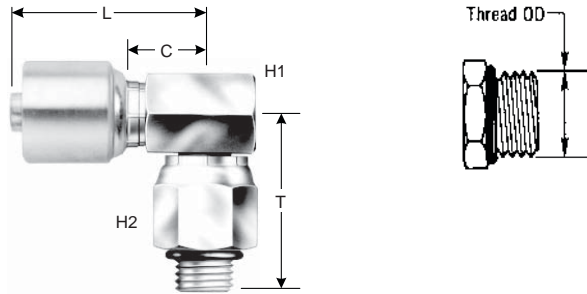
MegaCrimp® Couplings

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		Std. Pack	
		"	mm		"	"	"	mm	"	mm	"	mm		
STANDARD PACK														
4G-5MBX90	7100-12555	1/4	6.4	1/2-20	11/16	11/16	1.57	40.0	1.82	46.3	.80	20.2	1	
POLARSEAL COUPLINGS	4G-6MBX90	7100-12515	1/4	6.4	9/16-18	11/16	7/8	1.65	41.8	1.82	46.3	.80	20.2	1
	6G-6MBX90	7100-12525	3/8	9.5	9/16-18	3/4	7/8	1.67	42.5	1.96	49.7	.85	21.7	1
	6G-8MBX90	7100-12535	3/8	9.5	3/4-16	3/4	1	1.63	41.3	2.41	61.2	.83	21.1	1
C14 COUPLINGS	6G-10MBX90	7100-12545	3/8	9.5	7/8-14	3/4	1	1.69	42.8	1.95	49.6	.85	21.7	1
	8G-8MBX90	7100-02555	1/2	12.7	3/4-16	1	1	1.75	44.5	2.55	64.7	1.07	27.2	1
	8G-10MBX90	7100-02565	1/2	12.7	7/8-14	1	1	1.81	46.0	2.55	64.7	1.07	27.2	1
PCTS THERMO-PLASTIC COUPLINGS	8G-12MBX90	7100-02575	1/2	12.7	1 1/16-12	1	1 5/16	2.09	53.1	2.52	64.1	1.05	26.6	1
	10G-10MBX90	7100-02585	5/8	15.9	7/8-14	1	1	1.81	46.0	2.40	60.9	.93	23.5	1
	12G-12MBX90	7100-02595	3/4	19.0	1 1/16-12	1 3/8	1 5/16	2.39	60.6	3.18	80.7	1.17	29.7	1
BULK PACK														
FIELD ATTACHABLE G1 & G2 COUPLINGS	6G-6MBX90XBULK	7100-1252	3/8	9.5	9/16-18	3/4	7/8	1.67	42.5	1.96	49.7	.85	21.7	125
	6G-8MBX90XBULK	7100-1253	3/8	9.5	3/4-16	3/4	1	1.63	41.3	2.41	61.2	.83	21.1	125
	6G-10MBX90XBULK	7100-1254	3/8	9.5	7/8-14	3/4	1	1.69	42.8	1.95	49.6	.85	21.7	125
	8G-8MBX90XBULK	7100-0255	1/2	12.7	3/4-16	1	1	1.75	44.5	2.55	64.7	1.07	27.2	75
	8G-10MBX90XBULK	7100-0256	1/2	12.7	7/8-14	1	1	1.81	46.0	2.55	64.7	1.07	27.2	75
	12G-12MBX90XBULK	7100-0259	3/4	19.0	1 1/16-12	1 3/8	1 5/16	2.39	60.6	3.18	80.7	1.17	29.7	20





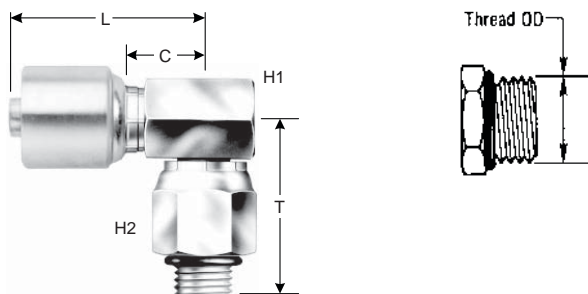
Male O-Ring Boss Swivel - 90° Long Block

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.

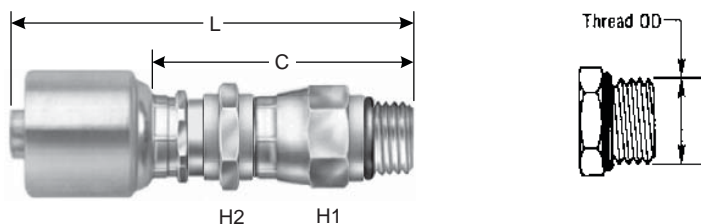
These couplings have a longer reach (L dimension) to accommodate the OmniCrimp® 21 crimper.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
8G-8MBX90L	7100-02705	1/2	12.7	3/4-16	1	1	1.75	44.4	3.27	83.1	1.80	45.6	1
8G-10MBX90L	7100-02715	1/2	12.7	7/8-14	1	1	1.81	46.0	3.27	83.1	1.80	45.6	1
8G-12MBX90L	7100-02725	1/2	12.7	1 1/16-12	1	1 5/16	2.09	53.1	3.76	95.5	2.28	58.0	1
10G-10MBX90L	7100-02735	5/8	15.8	7/8-14	1	1	1.81	46.0	3.27	83.1	1.80	45.6	1
12G-12MBX90L	7100-02755	3/4	19.0	1 1/16-12	1	1 5/16	2.28	57.9	3.94	100.0	1.93	48.9	1

Male O-Ring Boss Adapterless Swivel

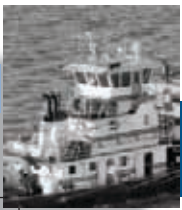
NOTE: Internal O-Rings rated at 250°F (121°C).



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
4G-4MBAX	7100-17115	1/4	6.4	7/16-20	17.0	17.0	3.19	81.0	2.17	55.0	1
4G-6MBAX	7100-17135	1/4	6.4	9/16-18	17.0	17.0	3.19	81.0	2.17	55.0	1
6G-6MBAX	7100-17215	3/8	9.5	9/16-18	22.0	22.0	3.44	87.5	2.35	59.6	1
6G-8MBAX	7100-17225	3/8	9.5	3/4-16	17.0	22.0	3.43	87.0	2.33	59.1	1
8G-8MBAX	7100-17265	1/2	12.7	3/4-16	24.0	24.0	4.02	102.0	2.54	64.5	1
10G-10MBAX	7100-17315	5/8	15.8	7/8-14	24.0	30.0	4.25	108.0	2.78	70.5	1
12G-12MBAX	7100-17365	3/4	19.0	1 1/16-12	36.0	36.0	5.16	131.0	3.15	80.0	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBAL SPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

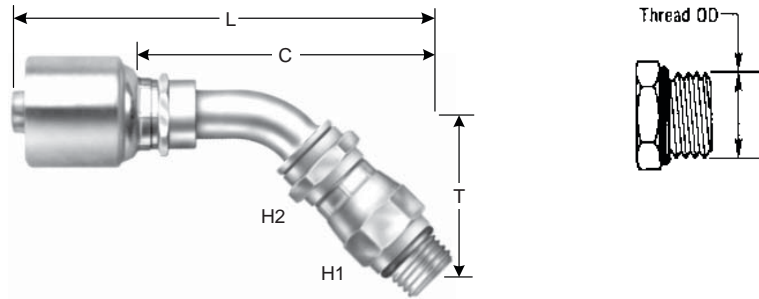




MegaCrimp® Couplings

Male O-Ring Boss Adapterless Swivel - 45° Bent Tube

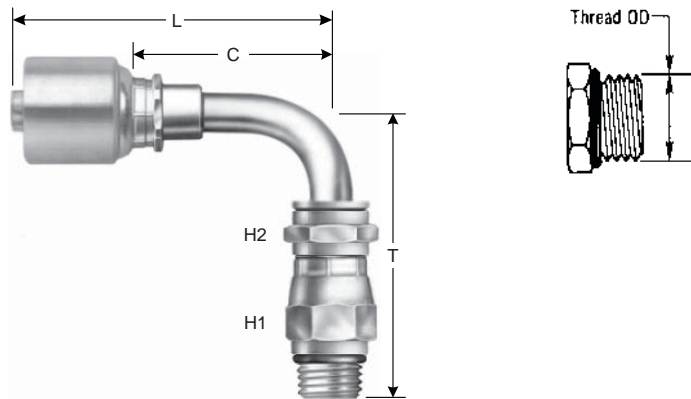
NOTE: Internal O-Rings rated at 250°F (121°C).



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4MBAX45	7100-17615	1/4	6.4	7/16-20	17.0	17.0	1.42	36.0	3.54	90.0	2.52	64.0	1
6G-6MBAX45	7100-17715	3/8	9.5	9/16-18	22.0	22.0	1.57	40.0	3.98	101.0	2.88	73.1	1
6G-8MBAX45	7100-17725	3/8	9.5	3/4-16	22.0	22.0	1.57	40.0	3.98	101.0	2.88	73.1	1
8G-8MBAX45	7100-17765	1/2	12.7	3/4-16	24.0	24.0	1.81	46.0	4.80	122.0	3.33	84.5	1
10G-10MBAX45	7100-17815	5/8	15.8	7/8-14	30.0	30.0	1.97	50.0	5.08	129.0	3.62	92.0	1
12G-12MBAX45	7100-17865	3/4	19.0	1 1/16-12	36.0	36.0	2.20	56.0	5.98	152.0	3.98	101.0	1

Male O-Ring Boss Adapterless Swivel - 90° Bent Tube

NOTE: Internal O-Rings rated at 250°F (121°C).



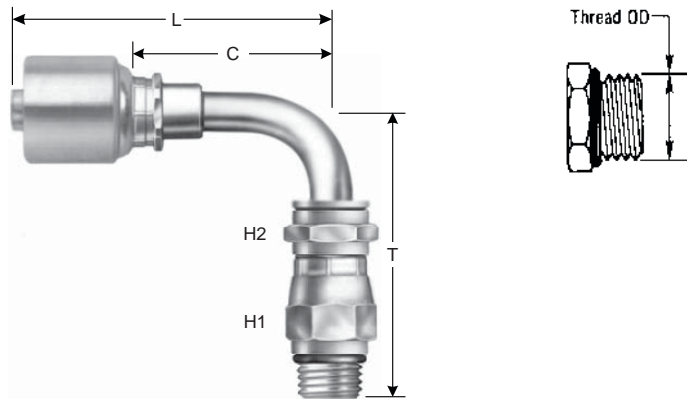
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4MBAX90S	7100-18115	1/4	6.4	7/16-20	17.0	17.0	2.32	59.0	2.68	68.0	1.65	42.0	1
6G-6MBAX90S	7100-18215	3/8	9.5	9/16-18	22.0	22.0	2.60	66.0	3.07	78.0	1.97	50.1	1
6G-8MBAX90S	7100-18225	3/8	9.5	3/4-16	22.0	22.0	2.60	66.0	3.07	78.0	1.97	50.1	1
8G-8MBAX90S	7100-18265	1/2	12.7	3/4-16	24.0	24.0	3.03	77.0	3.80	96.5	2.32	59.0	1
10G-10MBAX90S	7100-18315	5/8	15.8	7/8-14	30.0	30.0	3.39	86.0	4.19	106.5	2.72	69.0	1
10G-12MBAX90S	7100-18325	5/8	15.8	1 1/16-12	36.0	36.0	3.82	97.0	4.49	114.0	3.03	77.0	1
12G-12MBAX90S	7100-18365	3/4	19.0	1 1/16-12	36.0	36.0	3.82	97.0	5.00	127.0	2.99	76.0	1





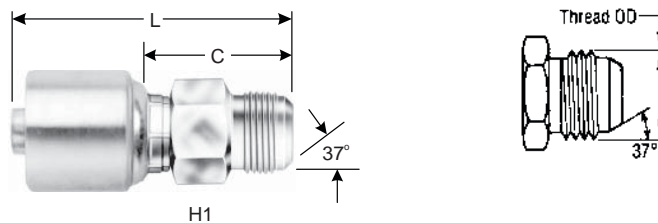
Male O-Ring Boss Adapterless Swivel - 90° Long Bent Tube

NOTE: Internal O-Rings rated at 250°F (121°C).



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4MBAX90L	7100-19115	1/4	6.4	7/16-20	17.0	17.0	3.35	85.0	2.40	61.0	1.38	35.0	1
6G-6MBAX90L	7100-19215	3/8	9.5	9/16-18	22.0	22.0	3.78	96.0	2.76	70.0	1.66	42.1	1
8G-8MBAX90L	7100-19265	1/2	12.7	3/4-16	24.0	24.0	4.41	112.0	3.44	87.5	1.97	50.0	1
10G-10MBAX90L	7100-19315	5/8	15.8	7/8-14	30.0	30.0	4.96	126.0	3.76	95.5	2.28	58.0	1
12G-12MBAX90L	7100-19365	3/4	19.0	1 1/16-12	36.0	36.0	5.63	143.0	4.49	114.0	2.48	63.0	1

Male JIC 37° Flare English Hex



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4GE-4MJ	7100-10635	1/4	6.4	9/16-18	5/8	—	2.19	55.5	1.16	29.5	5
4GE-5MJ	7100-10645	1/4	6.4	1/2-20	1/2	—	2.19	55.5	1.16	29.5	1
4GE-6MJ	7100-10825	3/8	6.4	9/16-18	9/16	—	2.20	56.0	1.18	30.0	1
5GE-5MJ	7100-10665	5/16	7.9	1/2-20	5/16	—	2.20	56.0	1.10	28.0	1
5GE-6MJ	7100-00665	5/16	7.9	9/16-18	5/8	—	2.26	57.5	1.16	29.5	1
6GE-6MJ	7100-10675	3/8	9.5	9/16-18	5/8	—	2.26	57.5	1.17	29.6	5
6GE-8MJ	7100-10835	3/8	9.5	3/4-16	3/4	—	2.40	61.0	1.30	33.1	1
6GE-10MJ	7100-10845	3/8	9.5	7/8-14	7/8	—	2.52	64.0	1.42	36.1	1
8GE-8MJ	7100-10705	1/2	12.7	3/4-16	13/16	—	2.68	68.0	1.20	30.5	1
8GE-10MJ	7100-00715	1/2	12.7	7/8-14	7/8	—	2.78	70.5	1.30	33.0	5
8GE-12MJ	7100-00725	1/2	12.7	1 1/16-12	1 1/16	—	2.97	75.5	1.50	38.0	1
10GE-8MJ	7100-00735	5/8	15.8	3/4-16	15/16	—	2.83	72.0	1.36	34.5	1
10GE-10MJ	7100-00745	5/8	15.8	7/8-14	15/16	—	2.99	76.0	1.52	38.5	1
10GE-12MJ	7100-00755	5/8	15.8	1 1/16-12	1 1/16	—	2.97	75.5	1.50	38.0	1
12GE-10MJ	7100-00825	3/4	19.0	7/8-14	1 1/16	—	3.68	93.5	1.67	42.5	1



EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES


ACCESSORIES

EQUIPMENT AND PARTS

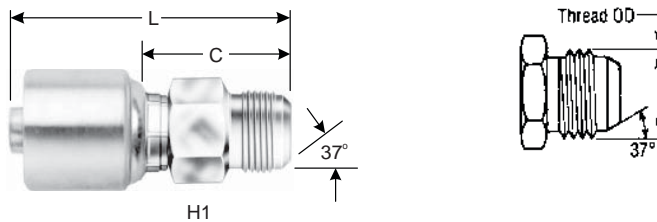
MegaCrimp® Couplings




Male JIC 37° Flare English Hex - Cont'd

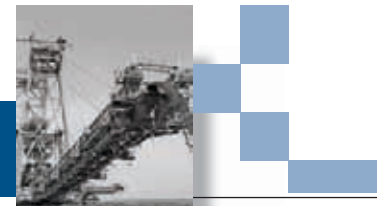
DESCR.	PROD. NO.	Ø			H1	H2	L		C		STD. PACK
		"	mm		"	"	"	mm	"	mm	
12GE-12MJ	7100-00765	3/4	19.0	1 5/16-12	1 1/16	—	3.68	93.0	1.67	42.5	1
12GE-14MJ	7100-00775	3/4	19.0	1 3/16-12	1 3/16	—	3.58	91.0	1.57	40.0	1
12GE-16MJ	7100-10785	3/4	19.0	1 5/16-12	1 5/16	—	3.62	92.0	1.61	41.0	1
16GE-14MJ	7100-00835	1	25.4	1 3/16-12	1 3/8	—	4.09	104.0	1.85	47.2	1
16GE-16MJ	7100-00795	1	25.4	1 5/16-12	1 3/8	—	4.11	104.5	1.88	47.7	1
16GE-20MJ	7100-00805	1	25.4	1 5/8-12	1 3/4	—	4.29	109.0	2.06	52.2	1
20GE-20MJ	7100-00815	1 1/4	31.7	1 5/8-12	1 3/4	—	4.43	112.5	2.07	53.5	1
BULK PACK											
4GE-4MJXBULK	7100-1063	1/4	6.4	9/16-18	5/8	—	2.19	55.5	1.16	29.5	150
4GE-5MJXBULK	7100-1064	1/4	6.4	1/2-20	1/2	—	2.19	55.5	1.16	29.5	150
4GE-6MJXBULK	7100-1082	3/8	6.4	9/16-18	9/16	—	2.20	56.0	1.18	30.0	200
6GE-6MJXBULK	7100-1067	3/8	9.5	9/16-18	5/8	—	2.26	57.5	1.17	29.6	250
6GE-8MJXBULK	7100-1083	3/8	9.5	3/4-16	3/4	—	2.40	61.0	1.30	33.1	150
6GE-10MJXBULK	7100-1084	3/8	9.5	7/8-14	7/8	—	2.52	64.0	1.42	36.1	150
8GE-8MJXBULK	7100-1070	1/2	12.7	3/4-16	13/16	—	2.68	68.0	1.20	30.5	135
8GE-10MJXBULK	7100-0071	1/2	12.7	7/8-14	7/8	—	2.78	70.5	1.30	33.0	125
8GE-12MJXBULK	7100-0072	1/2	12.7	1 1/16-12	1 1/16	—	2.97	75.5	1.50	38.0	50
10GE-8MJXBULK	7100-0073	5/8	15.8	3/4-16	15/16	—	2.83	72.0	1.36	34.5	100
10GE-10MJXBULK	7100-0074	5/8	15.8	7/8-14	15/16	—	2.99	76.0	1.52	38.5	100
10GE-12MJXBULK	7100-0075	5/8	15.8	1 1/16-12	1 1/16	—	2.97	75.5	1.50	38.0	50
12GE-12MJXBULK	7100-0076	3/4	19.0	1 5/16-12	1 1/16	—	3.68	93.0	1.67	42.5	60
12GE-14MJXBULK	7100-0077	3/4	19.0	1 3/16-12	1 3/16	—	3.58	91.0	1.57	40.0	75
12GE-16MJXBULK	7100-1078	3/4	19.0	1 5/16-12	1 5/16	—	3.62	92.0	1.61	41.0	50
16GE-16MJXBULK	7100-0079	1	25.4	1 5/16-12	1 3/8	—	4.11	104.5	1.88	47.7	30
20GE-20MJXBULK	7100-0081	1 1/4	31.7	1 5/8-12	1 3/4	—	4.43	112.5	2.07	53.5	20

Male JIC 37° Flare Metric Hex




DESCR.	PROD. NO.	Ø			H1	H2	L		C		STD. PACK
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
4G-4MJ	7103-36045	1/4	6.4	9/16-18	14.0	—	2.18	55.5	1.16	29.5	1
4G-5MJ	7103-36055	1/4	6.4	1/2-20	14.0	—	2.18	55.5	1.16	29.5	1
4G-6MJ	7103-36065	1/4	6.4	1/2-20	17.0	—	2.22	56.5	1.20	30.5	1
5G-5MJ	7103-36105	5/16	7.9	1/2-20	17.0	—	2.26	57.5	1.16	29.5	1
5G-6MJ	7103-36115	5/16	7.9	9/16-18	17.0	—	2.26	57.5	1.16	29.5	1
6G-6MJ	7103-36155	3/8	9.5	9/16-18	17.0	—	2.30	58.5	1.20	30.6	1
6G-8MJ	7103-36165	3/8	9.5	3/4-16	19.0	—	2.48	63.0	1.38	35.1	1
6G-10MJ	7103-36175	3/8	9.5	7/8-14	24.0	—	2.63	67.0	1.53	39.1	1
8G-8MJ	7103-36215	1/2	12.7	3/4-16	22.0	—	2.81	71.5	1.33	34.0	1
8G-10MJ	7103-36225	1/2	12.7	7/8-14	24.0	—	2.91	74.0	1.43	36.5	1
8G-12MJ	7103-36235	1/2	12.7	1 1/16-12	27.0	—	3.18	81.0	1.71	43.5	1
10G-8MJ	7103-36265	5/8	15.9	3/4-16	24.0	—	2.93	74.5	1.45	37.0	1

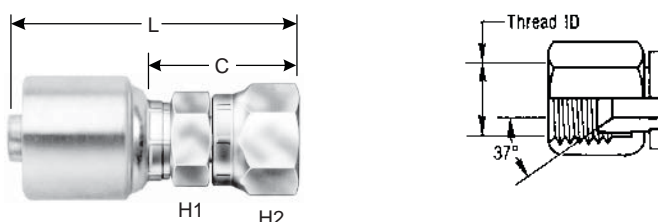





Male JIC 37° Flare Metric Hex - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
10G-10MJ	7103-36275	5/8	15.9	7/8-14	24.0	—	3.03	77.0	1.55	39.5	1
10G-12MJ	7103-36285	5/8	15.9	1 1/6-12	27.0	—	3.18	81.0	1.71	43.5	1
12G-10MJ	7103-36315	3/4	19.1	7/8-14	27.0	—	3.68	93.5	1.67	42.5	1
12G-12MJ	7103-36325	3/4	19.1	1 5/16-12	27.0	—	3.72	94.5	1.71	43.5	1
12G-14MJ	7103-36335	3/4	19.1	1 3/16-12	32.0	—	3.75	95.5	1.75	44.5	1
12G-16MJ	7103-36345	3/4	19.1	1 5/16-12	36.0	—	3.77	96.0	1.77	45.0	1
16G-14MJ	7103-36375	1	25.4	1 3/16-12	36.0	—	4.09	104.0	1.85	47.2	1
16G-16MJ	7103-36385	1	25.4	1 5/16-12	36.0	—	4.11	104.5	1.87	47.7	1
16G-20MJ	7103-36395	1	25.4	1 5/8-12	46.0	—	4.29	109.0	2.05	52.2	1
20G-20MJ	7103-36435	1 1/4	31.8	1 5/8-12	46.0	—	4.42	112.5	2.10	53.5	1
20G-24MJ	7103-36445	1 1/4	31.8	1 7/8-12	50.0	—	4.42	112.5	2.10	53.5	1
BULK PACK											
4G-4MJXBULK	7103-3604	1/4	6.4	9/16-18	14.0	—	2.18	55.5	1.16	29.5	150
4G-5MJXBULK	7103-3605	1/4	6.4	1/2-20	14.0	—	2.18	55.5	1.16	29.5	99
4G-6MJXBULK	7103-3606	1/4	6.4	1/2-20	17.0	—	2.22	56.5	1.20	30.5	250
6G-6MJXBULK	7103-3615	3/8	9.5	9/16-18	17.0	—	2.30	58.5	1.20	30.6	200
6G-8MJXBULK	7103-3616	3/8	9.5	3/4-16	19.0	—	2.48	63.0	1.38	35.1	150
6G-10MJXBULK	7103-3617	3/8	9.5	7/8-14	24.0	—	2.63	67.0	1.53	39.1	99
8G-8MJXBULK	7103-3621	1/2	12.7	3/4-16	22.0	—	2.81	71.5	1.33	34.0	125
8G-10MJXBULK	7103-3622	1/2	12.7	7/8-14	24.0	—	2.91	74.0	1.43	36.5	125
8G-12MJXBULK	7103-3623	1/2	12.7	1 1/16-12	27.0	—	3.18	81.0	1.71	43.5	75
10G-8MJXBULK	7103-3626	5/8	15.9	3/4-16	24.0	—	2.93	74.5	1.45	37.0	100
10G-10MJXBULK	7103-3627	5/8	15.9	7/8-14	24.0	—	3.03	77.0	1.55	39.5	100
10G-12MJXBULK	7103-3628	5/8	15.9	1 1/16-12	27.0	—	3.18	81.0	1.71	43.5	99
12G-12MJXBULK	7103-3632	3/4	19.1	1 5/16-12	27.0	—	3.72	94.5	1.71	43.5	50
12G-14MJXBULK	7103-3633	3/4	19.1	1 3/16-12	32.0	—	3.75	95.5	1.75	44.5	50
12G-16MJXBULK	7103-3634	3/4	19.1	1 5/16-12	36.0	—	3.77	96.0	1.77	45.0	50
16G-16MJXBULK	7103-3638	1	25.4	1 5/16-12	36.0	—	4.11	104.5	1.87	47.7	30
20G-20MJXBULK	7103-3643	1 1/4	31.8	1 5/8-12	46.0	—	4.42	112.5	2.10	53.5	20

Female JIC 37° Flare Swivel English Hex



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4GE-4FJX	7100-00875	1/4	6.4	7/16-20	1/2	9/16	2.10	53.4	1.08	27.4	5
4GE-5FJX	7100-10895	1/4	6.4	1/2-20	1/2	11/16	2.21	56.2	1.19	30.2	5
4GE-6FJX	7100-10905	1/4	6.4	9/16-18	9/16	3/4	2.22	56.3	1.19	30.2	5
5GE-5FJX	7100-00935	5/16	7.9	1/2-20	5/8	11/16	2.23	56.7	1.13	28.7	1
5GE-6FJX	7100-00925	5/16	7.9	9/16-18	5/8	3/4	2.31	58.8	1.21	30.8	1
6GE-4FJX	7100-10925	1/2	9.5	7/16-20	5/8	9/16	2.30	58.4	1.20	30.5	1
6GE-5FJX	7100-10935	3/8	9.5	1/2-20	5/8	11/16	2.23	56.7	1.13	28.8	1
6GE-6FJX	7100-10945	3/8	9.5	9/16-18	5/8	3/4	2.31	58.8	1.19	30.2	5



EQUIPMENT
HOSE/CPLG. SELECTION
GLOBAL SPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





MegaCrimp® Couplings

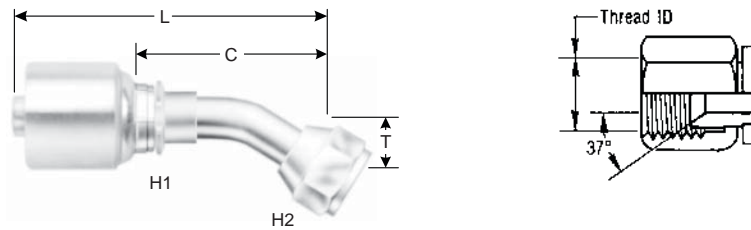
Female JIC 37° Flare Swivel English Hex - Cont'd

EQUIPMENT	HOSE/CPLG. SELECTION	DESCR.	PROD. NO.	Ø				H1	H2	L		C		Std. Pack
				"	mm					"	mm	"	mm	
GLOBAL SPIRAL COUPLINGS	6GE-8FJX	7100-10955	3/8	9.5	3/4-16	11/16	7/8	2.48	63.1	1.38	35.1	5		
	6GE-10FJX	7100-10965	3/8	9.5	7/8-14	13/16	1 1/16	2.61	66.2	1.50	38.2	1		
PCM/PCS FERRULES	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	1		
	8GE-6FJX	7100-00975	1/2	12.7	9/16-18	13/16	3/4	2.63	66.8	1.15	29.3	1		
MEGACRIMP COUPLINGS	8GE-8FJX	7100-00985	1/2	12.7	3/4-16	13/16	7/8	2.82	71.6	1.34	34.1	5		
	8GE-10FJX	7100-00995	1/2	12.7	7/8-14	13/16	1 1/16	2.96	75.1	1.48	37.7	5		
POWER CRIMP COUPLINGS	8GE-12FJX	7100-01005	1/2	19.0	1 1/16-12	1	1 1/4	3.11	79.0	1.63	41.5	5		
	8GE-16FJX	7100-10985	1/2	12.7	1 5/16-12	1/2	1/16	2.47	62.8	1.44	36.8	1		
LOW PRESSURE COUPLINGS	10GE-8FJX	7100-01015	5/8	15.8	3/4-16	15/16	7/8	2.90	73.6	1.42	36.1	1		
	10GE-10FJX	7100-01025	5/8	15.8	7/8-14	15/16	1 1/16	3.04	77.1	1.56	39.7	5		
POLARSEAL COUPLINGS	10GE-12FJX	7100-01035	5/8	15.8	1 1/16-12	1	1 1/4	3.09	78.5	1.61	41.0	1		
	10GE-14FJX	7100-01045	5/8	15.8	1 3/16-12	1 1/8	1 3/8	3.14	79.7	1.66	42.2	1		
C14 COUPLINGS	12GE-10FJX	7100-01055	3/4	19.0	7/8-14	1 1/16	1 1/16	3.51	89.1	1.50	38.1	1		
	12GE-12FJX	7100-01065	3/4	19.0	1 1/16-12	1 1/16	1 1/4	3.68	93.5	1.67	42.5	5		
PCTS THERMO-PLASTIC COUPLINGS	12GE-14FJX	7100-01075	3/4	19.0	1 3/16-12	1 1/8	1 3/8	3.65	92.7	1.64	41.6	1		
	12GE-16FJX	7100-01085	3/4	19.0	1 5/16-12	1 1/4	1 1/2	3.78	96.0	1.77	45.0	1		
FIELD ATTACHABLE G1 & G2 COUPLINGS	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	1		
	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		
FIELD ATTACHABLE C5 COUPLINGS	16GE-16FJX	7100-01125	1	25.4	1 5/16-12	1 3/8	1 1/2	4.17	106.0	1.94	49.2	1		
	16GE-20FJX	7100-01135	1	25.4	1 5/8-12	1 9/16	2	4.33	109.9	2.09	53.1	1		
SURELOK AIR BRAKE COUPLINGS	20GE-20FJX	7100-01145	1 1/4	31.7	1 5/8-12	1 3/4	2	4.60	116.9	2.28	57.9	1		
	20GE-24FJX	7100-01155	1 1/4	31.7	1 7/8-12	1 7/8	2 1/4	4.85	123.2	2.53	64.2	1		
BULK PACK														
QUICK DISCONNECT COUPLERS	4GE-4FJX XBULK	7100-0087	1/4	6.4	7/16-20	1/2	9/16	2.10	53.4	1.08	27.4	325		
	4GE-5FJX XBULK	7100-1089	1/4	6.4	1/2-20	1/2	11/16	2.21	56.2	1.19	30.2	300		
NEW BALL VALVES	4GE-6FJX XBULK	7100-1090	1/4	6.4	9/16-18	9/16	3/4	2.22	56.3	1.19	30.2	300		
	5GE-6FJX XBULK	7100-0092	5/16	7.9	9/16-18	5/8	3/4	2.31	58.8	1.21	30.8	150		
ACCESSORIES	6GE-4FJX XBULK	7100-1092	1/2	9.5	7/16-20	5/8	9/16	2.30	58.4	1.20	30.5	130		
	6GE-5FJX XBULK	7100-1093	3/8	9.5	1/2-20	5/8	11/16	2.23	56.7	1.13	28.8	100		
EQUIPMENT AND PARTS	6GE-6FJX XBULK	7100-1094	3/8	9.5	9/16-18	5/8	3/4	2.31	58.8	1.19	30.2	250		
	6GE-8FJX XBULK	7100-1095	3/8	9.5	3/4-16	11/16	7/8	2.48	63.1	1.38	35.1	200		
EQUIPMENT AND PARTS	6GE-10FJX XBULK	7100-1096	3/8	9.5	7/8-14	13/16	1 1/16	2.61	66.2	1.50	38.2	150		
	8GE-6FJX XBULK	7100-0097	1/2	12.7	9/16-18	13/16	3/4	2.63	66.8	1.15	29.3	125		
EQUIPMENT AND PARTS	8GE-8FJX XBULK	7100-0098	1/2	12.7	3/4-16	13/16	7/8	2.82	71.6	1.34	34.1	150		
	8GE-10FJX XBULK	7100-0099	1/2	12.7	7/8-14	13/16	1 1/16	2.96	75.1	1.48	37.7	125		
EQUIPMENT AND PARTS	8GE-12FJX XBULK	7100-0100	1/2	19.0	1 1/16-12	1	1 1/4	3.11	79.0	1.63	41.5	100		
	10GE-8FJX XBULK	7100-0101	5/8	15.8	3/4-16	15/16	7/8	2.90	73.6	1.42	36.1	110		
EQUIPMENT AND PARTS	10GE-10FJX XBULK	7100-0102	5/8	15.8	7/8-14	15/16	1 1/16	3.04	77.1	1.56	39.7	100		
	10GE-12FJX XBULK	7100-0103	5/8	15.8	1 1/16-12	1	1 1/4	3.09	78.5	1.61	41.0	100		
EQUIPMENT AND PARTS	12GE-10FJX XBULK	7100-0105	3/4	19.0	7/8-14	1 1/16	1 1/16	3.51	89.1	1.50	38.1	50		
	12GE-12FJX XBULK	7100-0106	3/4	19.0	1 1/16-12	1 1/16	1 1/4	3.68	93.5	1.67	42.5	65		
EQUIPMENT AND PARTS	12GE-14FJX XBULK	7100-0107	3/4	19.0	1 3/16-12	1 1/8	1 3/8	3.65	92.7	1.64	41.6	50		
	12GE-16FJX XBULK	7100-0108	3/4	19.0	1 5/16-12	1 1/4	1 1/2	3.78	96.0	1.77	45.0	50		
EQUIPMENT AND PARTS	16GE-12FJX XBULK	7100-0110	1	25.4	1 1/16-12	1 3/8	1 1/4	3.98	101.0	1.74	44.2	25		
	16GE-14FJX XBULK	7100-0111	1	25.4	1 3/16-12	1 3/8	1 3/8	4.00	101.6	1.77	44.9	25		
EQUIPMENT AND PARTS	16GE-16FJX XBULK	7100-0112	1	25.4	1 5/16-12	1 3/8	1 1/2	4.17	106.0	1.94	49.2	35		
	16GE-20FJX XBULK	7100-0113	1	25.4	1 5/8-12	1 9/16	2	4.33	109.9	2.09	53.1	30		
EQUIPMENT AND PARTS	20GE-20FJX XBULK	7100-0114	1 1/4	31.7	1 5/8-12	1 3/4	2	4.60	116.9	2.28	57.9	20		



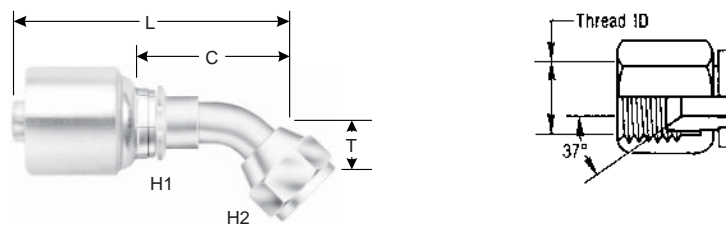


Female JIC 37° Flare Swivel - 30° Bent Tube English Hex



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
10GE-12FJX30-018	7100-01185	5/8	15.8	1 1/16-12	1 1/4	7/8	.70	17.8	4.45	112.4	2.95	74.9	1
12GE-10FJX30	7100-07125	3/4	19.0	7/8-14	1	1 1/16	.70	17.8	4.45	113.0	2.44	62.0	1

Female JIC 37° Flare Swivel - 45° Bent Tube English Hex



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4GE-4FJX45	7100-11215	1/4	6.4	7/16-20	1/2	9/16	.47	11.9	2.28	58.0	1.26	32.0	1
4GE-5FJX45	7100-11235	1/4	6.4	1/2-20	1/2	5/8	.56	14.2	2.56	65.0	1.54	39.0	1
4GE-6FJX45	7100-11255	1/4	6.4	9/16-18	1/2	11/16	.56	14.2	2.73	69.4	1.71	43.4	1
5GE-5FJX45	7100-01265	5/16	7.9	1/2-20	5/8	5/8	.56	14.2	2.60	66.0	1.50	38.0	1
5GE-6FJX45	7100-01275	5/16	7.9	9/16-18	5/8	11/16	.56	14.2	2.87	73.0	1.77	45.0	1
6GE-4FJX45	7100-11285	3/8	9.5	7/16-20	5/8	11/16	.56	14.2	2.89	73.4	1.79	45.4	1
6GE-6FJX45	7100-11305	3/8	9.5	9/16-18	5/8	11/16	.56	14.2	2.91	73.9	1.81	46.0	1
6GE-8FJX45	7100-11325	3/8	9.5	3/4-16	5/8	7/8	.69	17.5	2.88	73.1	1.78	45.2	1
8GE-8FJX45S-015	7100-20005	1/2	12.7	3/4-16	13/16	7/8	.59	15.0	3.31	84.1	1.83	46.6	1
8GE-10FJX45	7100-01365	1/2	12.7	1-14	13/16	1	.75	19.1	3.62	91.9	2.14	54.4	1
10GE-10FJX45	7100-01375	5/8	15.9	7/8-14	15/16	1	.75	19.1	3.60	91.5	2.13	54.0	1
10GE-12FJX45	7100-01385	5/8	15.9	1 1/16-12	15/16	1 1/4	1.06	26.9	4.13	105.0	2.66	67.5	1
12GE-10FJX45	7100-01395	3/4	19.0	7/8-14	1 1/16	1	.75	19.1	4.57	116.0	2.56	65.0	1
12GE-12FJX45	7100-01415	3/4	19.0	1 1/16-12	1 1/16	1 1/4	1.06	26.9	4.89	124.2	2.88	73.2	1
12GE-16FJX45	7100-01425	3/4	19.0	1 5/16-12	1 3/16	1 1/2	1.16	29.5	5.75	146.0	3.74	95.0	1
16GE-12FJX45S	7100-01435	1	25.4	1 5/16-1/2	1 3/8	1 1/4	.82	21.0	5.15	131.0	2.92	74.2	1
16GE-16FJX45	7100-01455	1	25.4	1 5/16-12	1 3/8	1 1/2	1.16	29.5	5.30	134.6	3.06	77.8	1
20GE-20FJX45	7100-01465	1 1/4	31.7	1 5/8-12	1 3/4	2	1.38	35.0	6.65	169.0	4.33	110.0	1
BULK PACK													
4GE-4FJX45XBULK	7100-1121	1/4	6.4	7/16-20	1/2	9/16	.47	11.9	2.28	58.0	1.26	32.0	300
4GE-6FJX45XBULK	7100-1125	1/4	6.4	9/16-18	1/2	11/16	.56	14.2	2.73	69.4	1.71	43.4	265
6GE-6FJX45XBULK	7100-1130	3/8	9.5	9/16-18	5/8	11/16	.56	14.2	2.91	73.9	1.81	46.0	200
6GE-8FJX45XBULK	7100-1132	3/8	9.5	3/4-16	5/8	7/8	.69	17.5	2.88	73.1	1.78	45.2	100
8GE-8FJX45SXBULK	7100-2000	1/2	12.7	3/4-16	13/16	7/8	.59	15.0	3.31	84.1	1.83	46.6	125

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



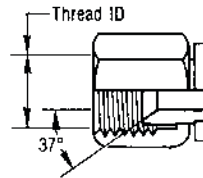
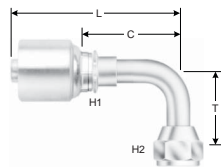


MegaCrimp® Couplings

Female JIC 37° Flare Swivel - 45° Bent Tube English Hex - Cont'd

Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
8GE-10FJX45XBULK	7100-0136	1/2	12.7	1-14	13/16	1	.75	19.1	3.62	91.9	2.14	54.4	100
10GE-10FJX45XBULK	7100-0137	5/8	15.9	7/8-14	15/16	1	.75	19.1	3.60	91.5	2.13	54.0	100
10GE-12FJX45XBULK	7100-0138	5/8	15.9	1 1/16-12	15/16	1 1/4	1.06	26.9	4.13	105.0	2.66	67.5	50
12GE-12FJX45XBULK	7100-0141	3/4	19.0	1 1/16-12	1 5/16	1 1/4	1.06	26.9	4.89	124.2	2.89	73.2	50
16GE-16FJX45XBULK	7100-0145	1	25.4	1 5/16-12	1 3/8	1 1/2	1.16	29.5	5.30	134.6	3.06	77.8	25

Female JIC 37° Flare Swivel - 90° Short Bent Tube English Hex

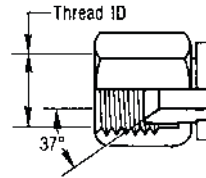
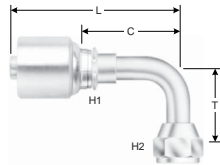



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4GE-4FJX90S	7100-11475	1/4	6.4	7/16-20	1/2	9/16	.68	17.3	2.26	57.3	1.23	31.3	1
4GE-5FJX90S	7100-11505	1/4	6.4	1/2-20	1/2	5/8	.77	19.6	2.32	59.0	1.30	33.0	1
4GE-6FJX90S	7100-11535	1/4	6.4	9/16-18	1/2	11/16	.85	21.6	2.52	63.9	1.49	37.9	1
5GE-6FJX90S	7100-07235	5/8	7.9	9/16-18	5/8	11/16	.85	21.6	2.67	67.9	1.57	39.9	1
6GE-4FJX90S	7100-07305	3/8	9.5	7/16-20	5/8	9/16	.83	21.0	2.37	60.3	1.28	32.4	1
6GE-6FJX90S	7100-11565	3/8	9.5	9/16-18	5/8	11/16	.85	21.6	2.36	60.0	1.22	31.0	1
6GE-8FJX90S	7100-11595	3/8	9.5	3/4-16	5/8	7/8	1.09	27.7	2.74	69.7	1.65	41.8	1
8GE-8FJX90S	7100-20015	1/2	12.7	3/4-16	13/16	7/8	1.14	29.0	3.16	80.3	1.69	42.8	1
8GE-10FJX90S	7100-01655	1/2	12.7	7/8-14	13/16	1	1.23	31.2	3.72	94.5	2.24	57.0	1
8GE-12FJX90S	7100-11645	1/2	12.7	1 1/16-12	13/16	1 1/4	1.89	48.0	4.13	105.0	2.66	67.5	1
10GE-10FJX90S	7100-01685	5/8	15.8	7/8-14	15/16	1	1.23	31.2	3.37	85.5	1.89	48.0	1
10GE-12FJX90S	7100-01695	5/8	15.8	1 1/16-12	15/16	1 1/4	1.82	46.2	3.77	95.8	2.30	58.3	1
12GE-12FJX90S	7100-01715	3/4	19.0	1 1/16-12	1 1/16	1 1/4	1.82	46.2	4.26	108.2	2.25	57.2	1
12GE-14FJX90S	7100-01745	3/4	19.0	1 3/16-12	1 1/16	34.93	2.00	50.8	4.88	124.0	2.87	73.0	1
12GE-16FJX90S	7100-01815	3/4	19.0	1 5/16-12	1 1/16	1 1/2	2.20	56.0	4.60	117.0	2.60	66.0	1
16GE-16FJX90S	7100-01765	1	25.4	1 5/16-12	1 3/8	1 1/2	2.23	56.6	5.11	129.9	2.88	73.1	1
16GE-20FJX90S	7100-07205	1	25.4	1 5/8-12	1 3/8	2	2.95	75.0	6.57	167.0	4.34	110.2	1
BULK PACK													
4GE-4FJX90SXBULK	7100-1147	1/4	6.4	7/16-20	1/2	9/16	.68	17.3	2.26	57.3	1.23	31.3	300
4GE-5FJX90SXBULK	7100-1150	1/4	6.4	1/2-20	1/2	5/8	.77	19.6	2.32	59.0	1.30	33.0	125
4GE-6FJX90SXBULK	7100-1153	1/4	6.4	9/16-18	1/2	11/16	.85	21.6	2.52	63.9	1.49	37.9	260
6GE-6FJX90SXBULK	7100-1156	3/8	9.5	9/16-18	5/8	11/16	.85	21.6	2.36	60.0	1.22	31.0	200
6GE-8FJX90SXBULK	7100-1159	3/8	9.5	3/4-16	5/8	7/8	1.09	27.7	2.74	69.7	1.65	41.8	25
8GE-8FJX90SXBULK	7100-2001	1/2	12.7	3/4-16	13/16	7/8	1.14	29.0	3.16	80.3	1.69	42.8	100
8GE-10FJX90SXBULK	7100-0165	1/2	12.7	7/8-14	13/16	1	1.23	31.2	3.72	94.5	2.24	57.0	75
10GE-10FJX90SXBULK	7100-0168	5/8	15.8	7/8-14	15/16	1	1.23	31.2	3.37	85.5	1.89	48.0	80
10GE-12FJX90SXBULK	7100-0169	5/8	15.8	1 1/16-12	15/16	1 1/4	1.82	46.2	3.77	95.8	2.30	58.3	25
12GE-12FJX90SXBULK	7100-0171	3/4	19.0	1 1/16-12	1 1/16	1 1/4	1.82	46.2	4.26	108.2	2.25	57.2	45
12GE-14FJX90SXBULK	7100-0174	3/4	19.0	1 3/16-12	1 1/16	34.93	2.00	50.8	4.88	124.0	2.87	73.0	40
12GE-16FJX90SXBULK	7100-0181	3/4	19.0	1 5/16-12	1 1/16	1 1/2	2.20	56.0	4.60	117.0	2.60	66.0	40
16GE-16FJX90SXBULK	7100-0176	1	25.4	1 5/16-12	1 3/8	1 1/2	2.23	56.6	5.11	129.9	2.88	73.1	25





Female JIC 37° Flare Swivel - 90° Medium Bent Tube English Hex



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4GE-4FJX90M	7100-11485	1/4	6.4	7/16-20	1/2	9/16	.88	22.4	2.06	52.2	1.03	26.2	1
4GE-5FJX90M	7100-11515	1/4	6.4	1/2-20	1/2	5/8	1.13	28.7	2.17	55.2	1.15	29.2	1
4GE-6FJX90M	7100-07165	1/4	6.4	9/16-18	1/2	11/16	1.13	28.7	2.52	64.0	1.50	38.0	1
5GE-6FJX90M	7100-01555	5/16	7.9	9/16-18	5/8	11/16	1.13	28.7	2.52	64.0	1.42	36.0	1
6GE-6FJX90M	7100-11575	3/8	9.5	9/16-18	5/8	11/16	1.13	28.7	2.32	58.9	1.22	31.0	5
6GE-8FJX90M	7100-11605	3/8	9.5	3/4-16	5/8	7/8	1.38	35.1	2.54	64.4	1.44	36.5	1
6GE-10FJX90M	7100-07215	3/8	9.5	7/8-14	5/8	1	1.75	44.5	2.78	70.5	1.67	42.5	1
8GE-8FJX90M	7100-20045	1/2	12.7	3/4-16	13/16	7/8	1.38	35.0	2.91	74.0	1.44	36.6	1
8GE-10FJX90M	7100-01665	1/2	12.7	7/8-14	13/16	1	1.75	44.5	3.20	81.3	1.73	43.9	1
10GE-10FJX90M	7100-01705	5/8	15.8	7/8-14	15/16	1	1.75	44.5	3.19	81.0	1.71	43.5	1
10GE-12FJX90M	7100-07145	5/8	15.8	1 3/16-12	15/16	1 1/4	2.06	52.3	3.35	85.0	1.87	47.5	1
12GE-10FJX90M	7100-07195	3/4	19.0	7/8-14	1 1/16	1	1.75	44.5	3.78	96.0	1.77	45.0	1
12GE-12FJX90M	7100-01725	3/4	19.0	1 1/16-12	1 1/16	1 1/4	2.06	52.3	3.83	97.2	1.82	46.2	1
16GE-16FJX90M	7100-02075	1	25.4	1 5/16-12	1 3/8	1 1/2	2.62	66.5	4.52	114.9	2.29	58.1	1
20GE-20FJX90M	7100-01795	1 1/4	31.7	1 5/8-12	1 3/4	2	3.50	88.9	5.43	138.0	3.11	79.0	1
BULK PACK													
4GE-4FJX90MXBULK	7100-1148	1/4	6.4	7/16-20	1/2	9/16	.88	22.4	2.06	52.2	1.03	26.2	275
4GE-5FJX90MXBULK	7100-1151	1/4	6.4	1/2-20	1/2	5/8	1.13	28.7	2.17	55.2	1.15	29.2	100
4GE-6FJX90MXBULK	7100-0716	1/4	6.4	9/16-18	1/2	11/16	1.13	28.7	2.52	64.0	1.50	38.0	250
6GE-6FJX90MXBULK	7100-1157	3/8	9.5	9/16-18	5/8	11/16	1.13	28.7	2.32	58.9	1.22	31.0	200
6GE-8FJX90MXBULK	7100-1160	3/8	9.5	3/4-16	5/8	7/8	1.38	35.1	2.54	64.4	1.44	36.5	25
8GE-8FJX90MXBULK	7100-2004	1/2	12.7	3/4-16	13/16	7/8	1.38	35.0	2.91	74.0	1.44	36.6	100
8GE-10FJX90MXBULK	7100-0166	1/2	12.7	7/8-14	13/16	1	1.75	44.5	3.20	81.3	1.73	43.9	90
10GE-10FJX90MXBULK	7100-0170	5/8	15.8	7/8-14	15/16	1	1.75	44.5	3.19	81.0	1.71	43.5	80
12GE-12FJX90MXBULK	7100-0172	3/4	19.0	1 1/16-12	1 1/16	1 1/4	2.06	52.3	3.83	97.2	1.82	46.2	40
16GE-16FJX90MXBULK	7100-0207	1	25.4	1 5/16-12	1 3/8	1 1/2	2.62	66.5	4.52	114.9	2.29	58.1	25
20GE-20FJX90MXBULK	7100-0179	1 1/4	31.7	1 5/8-12	1 3/4	2	3.50	88.9	5.43	138.0	3.11	79.0	15

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

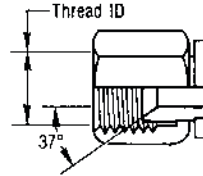
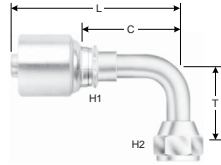
ACCESSORIES

EQUIPMENT AND PARTS



MegaCrimp® Couplings

Female JIC 37° Flare Swivel - 90° Long Bent Tube English Hex



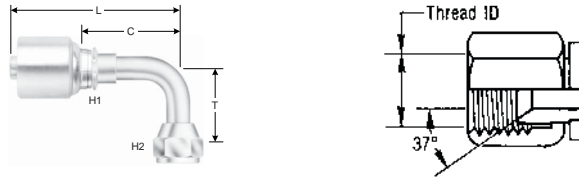
Descr.	Prod. No.	Ø		W	H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4GE-4FJX90L	7100-11495	1/4	6.4	7/16-20	1/2	9/16	1.80	45.7	2.06	52.2	1.03	26.2	1
4GE-5FJX90L	7100-11525	1/4	6.4	1/2-20	1/2	5/8	1.79	45.7	2.17	55.2	1.15	29.2	1
4GE-6FJX90L	7100-11555	1/4	6.4	9/16-18	1/2	11/16	2.13	54.0	2.80	71.0	1.77	45.0	1
6GE-4FJX90L	7100-07325	3/8	9.5	7/16-20	5/8	9/16	1.81	46.0	2.21	56.2	1.11	28.3	1
6GE-6FJX90L	7100-11585	3/8	9.5	9/16-18	5/8	11/16	2.18	55.4	2.60	66.0	1.50	38.1	1
6GE-8FJX90L	7100-11615	3/8	9.5	3/4-16	5/8	7/8	2.43	61.7	2.54	64.4	1.44	36.5	1
8GE-8FJX90L	7100-20035	1/2	12.7	3/4	13/16	7/8	2.52	64.0	2.91	74.0	1.44	36.6	1
8GE-10FJX90L	7100-01675	1/2	12.7	7/8-14	1	1	2.57	65.3	3.15	80.1	1.68	42.7	1
10GE-10FJX90L	7100-07175	5/8	15.8	7/8-14	15/16	1	2.57	65.3	3.19	81.0	1.71	43.5	1
10GE-12FJX90L	7100-07245	5/8	15.8	1 1/16-12	15/16	1 1/4	3.78	96.0	3.35	85.0	1.87	47.5	1
12GE-12FJX90L	7100-01735	3/4	19.0	1 1/16-12	1 1/16	1 1/4	3.73	94.7	3.83	97.2	1.82	46.2	1
12GE-14FJX90L	7100-01755	3/4	19.0	1 3/16-12	1 1/16	1 3/8	3.93	99.8	4.13	105.0	2.13	54.0	1
16GE-16FJX90L	7100-01775	1	25.4	1 5/16-12	1 3/8	1 1/2	4.33	110.0	4.52	114.9	2.29	58.1	1
16GE-16FJX90L	7100-02085	1	25.4	1 5/16-12	1 3/8	1 1/2	4.33	110.0	4.52	114.9	2.29	58.1	1
BULK PACK													
4GE-4FJX90LXBULK	7100-1149	1/4	6.4	7/16-20	1/2	9/16	1.80	45.7	2.06	52.2	1.03	26.2	290
4GE-5FJX90LXBULK	7100-1152	1/4	6.4	1/2-20	1/2	5/8	1.79	45.7	2.17	55.2	1.15	29.2	150
4GE-6FJX90LXBULK	7100-1155	1/4	6.4	9/16-18	1/2	11/16	2.13	54.0	2.80	71.0	1.77	45.0	150
6GE-6FJX90LXBULK	7100-1158	3/8	9.5	9/16-18	5/8	11/16	2.18	55.4	2.60	66.0	1.50	38.1	150
6GE-8FJX90LXBULK	7100-1161	3/8	9.5	3/4-16	5/8	7/8	2.43	61.7	2.54	64.4	1.44	36.5	140
8GE-8FJX90LXBULK	7100-2003	1/2	12.7	3/4	13/16	7/8	2.52	64.0	2.91	74.0	1.44	36.6	100
8GE-10FJX90LXBULK	7100-0167	1/2	12.7	7/8-14	1	1	2.57	65.3	3.15	80.1	1.68	42.7	80
10GE-10FJX90LXBULK	7100-0717	5/8	15.8	7/8-14	15/16	1	2.57	65.3	3.19	81.0	1.71	43.5	75
10GE-12FJX90LXBULK	7100-0724	5/8	15.8	1 1/16-12	15/16	1 1/4	3.78	96.0	3.35	85.0	1.87	47.5	50
12GE-12FJX90LXBULK	7100-0173	3/4	19.0	1 1/16-12	1 1/16	1 1/4	3.73	94.7	3.83	97.2	1.82	46.2	40
16GE-16FJX90LXBULK	7100-0177	1	25.4	1 5/16-12	1 3/8	1 1/2	4.33	110.0	4.52	114.9	2.29	58.1	20
16GE-16FJX90LXBULK	7100-0208	1	25.4	1 5/16-12	1 3/8	1 1/2	4.33	110.0	4.52	114.9	2.29	58.1	20

- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



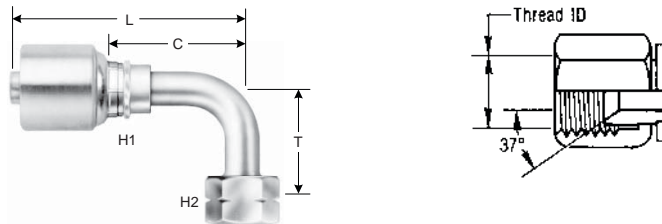


Female JIC 37° Flare Swivel - 90° Extra Long Bent Tube English Hex



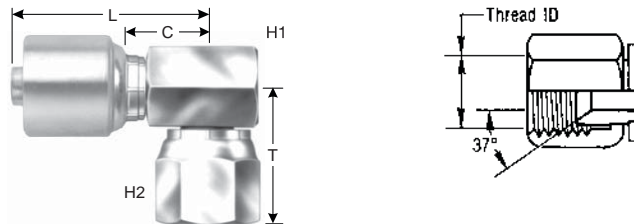
Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
8GE-10FJX90-089	7100-01805	1/2	12.7	7/8-14	13/16	1	3.50	89.0	3.65	92.8	2.18	55.3	1
12GE-16FJX90-074	7100-11705	3/4	19.0	1 5/16-12	1 3/8	1 1/2	2.91	74.0	4.77	121.3	2.77	70.3	1
20GE-20FJX90-070	7100-07255	1 1/4	31.7	1 1/4	1 3/4	2	2.75	70.0	6.22	158.0	3.90	99.0	1
BULK PACK													
12GE-16FJX90-074XBULK	7100-1170	3/4	19.0	1 5/16-12	1 3/8	1 1/2	2.91	74.0	4.77	121.3	2.77	70.3	25

Female JIC 37° Flare Swivel - 90° Long Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				mm	mm	"	mm	"	mm	
STANDARD PACK													
20G-20FJX90L	7103-41585	1/4	31.7	1 5/8-12	44.4	50.0	5.08	129.0	6.22	158.0	3.90	99.0	1

Female JIC 37° Flare Swivel - 90° Block English Hex



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
12GE-16FJX90BL	7101-50545	3/4	19.0	1 5/16-12	1 3/8	1 1/2	2.09	53.2	3.74	95.0	1.76	44.0	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

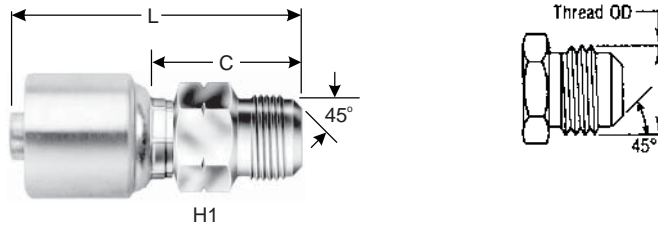
EQUIPMENT AND PARTS





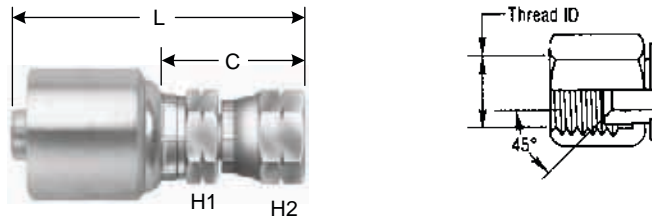
MegaCrimp® Couplings

Male SAE 45° Flare



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4G-4MS	7100-11815	1/4	6.4	7/16-20	1/2	—	2.11	53.5	1.08	27.5	1
4G-5MS	7100-11825	1/4	6.4	1/2-20	1/2	—	2.16	54.8	1.13	28.8	1
6G-6MS	7100-11835	3/8	9.5	5/8-18	5/8	—	2.28	58.0	1.19	30.1	1
6G-8MS	7100-11845	3/8	9.5	3/4-16	11/16	—	2.42	61.4	1.32	33.4	1
8G-8MS	7100-01855	1/2	12.7	3/4-16	13/16	—	2.78	70.5	1.30	33.0	1
8G-10MS	7100-01865	1/2	12.7	7/8-14	7/8	—	2.89	73.5	1.42	36.0	1
12G-12MS	7100-01875	3/4	19.0	1 1/16-14	1 1/16	—	3.78	96.0	1.77	45.0	1
BULK PACK											
6G-6MSXBULK	7100-1183	3/8	9.5	5/8-18	5/8	—	2.28	58.0	1.19	30.1	150
12G-12MSXBULK	7100-0187	3/4	19.0	1 1/16-14	1 1/16	—	3.78	96.0	1.77	45.0	60

Female SAE 45° Flare Swivel




Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4G-4FSX	7100-11885	1/4	6.4	7/16-20	1/2	9/16	2.24	57.0	1.22	31.0	1
4G-5FSX	7100-11895	1/4	6.4	1/2-20	1/2	11/16	2.21	56.2	1.19	30.2	1
4G-6FSX	7100-11905	1/4	6.4	5/8-18	5/8	3/4	2.31	58.7	1.28	32.6	1
5G-6FSX	7100-11935	5/16	7.9	5/8-18	5/8	3/4	2.44	62.1	1.34	34.1	1
6G-6FSX	7100-11915	3/8	9.5	5/8-18	5/8	3/4	2.45	62.1	1.35	34.2	5
6G-8FSX	7100-11925	3/8	9.5	3/4-16	11/16	7/8	2.48	63.1	1.38	35.1	1
8G-8FSX	7100-01935	1/2	12.7	3/4-16	13/16	7/8	2.82	71.6	1.34	34.1	1
8G-10FSX	7100-01945	1/2	12.7	7/8-14	13/16	1 1/16	2.99	75.9	1.51	38.4	1
12G-12FSX	7100-01955	3/4	19.0	1 1/16-14	1 1/16	1 1/4	3.68	93.5	1.67	42.5	1
BULK PACK											
4G-4FSX XBULK	7100-1188	1/4	6.4	7/16-20	1/2	9/16	2.24	57.0	1.22	31.0	170
4G-6FSX XBULK	7100-1190	1/4	6.4	5/8-18	5/8	3/4	2.31	58.7	1.28	32.6	50
6G-6FSX XBULK	7100-1191	3/8	9.5	5/8-18	5/8	3/4	2.45	62.1	1.35	34.2	200
6G-8FSX XBULK	7100-1192	3/8	9.5	3/4-16	11/16	7/8	2.48	63.1	1.38	35.1	150
8G-8FSX XBULK	7100-0193	1/2	12.7	3/4-16	13/16	7/8	2.82	71.6	1.34	34.1	140
8G-10FSX XBULK	7100-0194	1/2	12.7	7/8-14	13/16	1 1/16	2.99	75.9	1.51	38.4	100

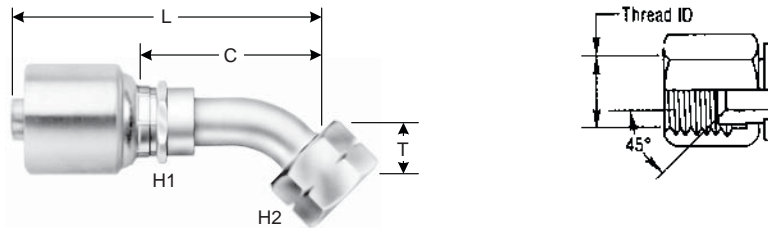





Female SAE 45° Flare Swivel - Cont'd

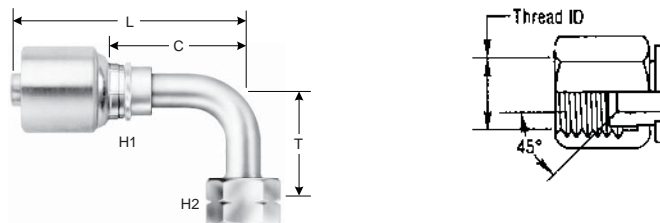
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
12G-12FSX XBULK	7100-0195	3/4	19.0	1 1/16-14	1 1/16	1 1/4	3.68	93.5	1.67	42.5	50


Female SAE 45° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4FSX45	7100-11965	1/4	6.4	7/16-20	1/2	1 9/16	.33	8.4	2.34	59.5	1.32	33.5	1
4G-5FSX45-009	7100-01965	1/4	6.4	1/2-20	5/8	1 1/6	.36	9.1	2.63	66.9	1.61	40.9	1
6G-6FSX45	7100-11995	3/8	9.5	5/8-18	5/8	3/4	.39	9.9	2.74	69.5	1.64	41.6	1
6G-8FSX45-014	7100-02035	3/8	9.5	3/4-16	5/8	7/8	.55	14.0	3.46	87.8	2.36	59.9	1
8G-8FSX45	7100-02015	1/2	12.7	3/4-16	13/16	7/8	.55	14.0	3.31	84.0	1.83	46.5	1
8G-10FSX45	7100-02025	1/2	12.7	7/8-14	13/16	7/8	.55	14.0	3.31	84.0	1.83	46.5	1
8G-10FSX45-016	7100-02055	1/2	12.7	7/8-14	13/16	1	.75	19.1	3.66	93.1	2.19	55.6	1
12G-12FSX45	7100-02045	3/4	19.1	1 1/16-14	1 1/16	1 1/4	.78	19.8	4.37	111.0	2.36	60.0	1
BULK PACK													
8G-10FSX45XBULK	7100-0202	1/2	12.7	7/8-14	13/16	1	.75	19.1	3.66	93.1	2.19	55.6	100

Female SAE 45° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4FSX90	7100-12055	1/4	6.4	7/16-20	1/2	9/16	1.24	31.5	2.05	52.0	1.02	26.0	1
4G-5FSX90-046	7100-01985	1/4	6.4	1/2-20	1/2	5/8	.85	21.6	2.47	62.8	1.45	36.8	1
5G-6FSX90-022	7100-02005	5/16	7.9	5/8-18	5/8	3/4	.85	2.2	2.77	70.4	1.67	42.4	1
6G-6FSX90	7100-12105	3/8	9.5	5/8-18	5/8	3/4	1.52	38.5	2.36	60.0	1.26	32.1	1
6G-6FSX90-055	7100-01995	3/8	9.5	5/8-18	5/8	3/4	2.18	55.4	2.83	71.8	1.73	43.9	1
6G-8FSX90	7100-02125	3/8	9.5	3/4-16	5/8	7/8	1.75	44.5	2.50	63.5	1.40	35.6	1
8G-8FSX90	7100-02135	1/2	12.7	3/4-16	13/16	7/8	1.75	44.5	2.93	74.5	1.46	37.0	1
8G-10FSX90-031	7100-02065	1/2	12.7	7/8-14	13/16	1	1.23	31.2	3.29	83.5	1.81	46.0	1
12G-12FSX90	7100-02185	3/4	19.0	1 1/16-14	1 1/16	1 1/4	2.78	70.5	3.94	100.0	1.93	49.0	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

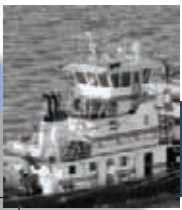
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES


EQUIPMENT AND PARTS





MegaCrimp® Couplings

Female SAE 45° Flare Swivel - 90° Bent Tube - Cont'd

Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
BULK PACK													
6G-6FSX90XBULK	7100-1210	3/8	9.5	5/8-18	5/8	3/4	1.52	38.5	2.36	60.0	1.26	32.1	150

Male Quick-Lok High



Descr.	Prod. No.	⊖		L		C		Std. Pack
		"	mm	"	mm	"	mm	
STANDARD PACK								
4G-4MQLH	7209-32005	1/4	6.4	2.64	66.8	1.61	41.0	1
6G-6MQLH	7209-32025	3/8	9.5	2.72	68.8	1.62	41.1	1
8G-8MQLH	7209-32055	1/2	12.7	3.11	79.0	1.63	41.5	1
10G-10MQLH	7209-32085	5/8	15.9	3.11	79.0	1.63	41.5	1
12G-12MQLH	7209-32105	3/4	19.1	3.66	93.0	1.65	42.0	1
16G-16MQLH	7209-32125	1	25.4	3.98	101.0	1.74	44.2	1
BULK PACK								
4G-4MQLHXBULK	7209-3200	1/4	6.4	2.64	66.8	1.61	41.0	280
6G-6MQLHXBULK	7209-3202	3/8	9.5	2.72	68.8	1.62	41.1	200
8G-8MQLHXBULK	7209-3205	1/2	12.7	3.11	79.0	1.63	41.5	125
10G-10MQLHXBULK	7209-3208	5/8	15.9	3.11	79.0	1.63	41.5	100
12G-12MQLHXBULK	7209-3210	3/4	19.1	3.66	93.0	1.65	42.0	50
16G-16MQLHXBULK	7209-3212	1	25.4	3.98	101.0	1.74	44.2	25

Male Quick-Lok High - 45° Bent Tube



Descr.	Prod. No.	⊖		T		L		C		Std. Pack
		"	mm	"	mm	"	mm	"	mm	
STANDARD PACK										
4G-4MQLH45S-008	7209-33005	1/4	6.4	.32	8.0	2.96	75.1	1.93	49.1	1

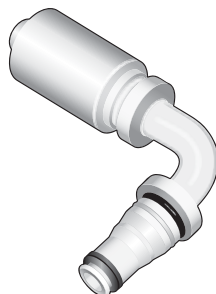




Male Quick-Lok High - 45° Bent Tube - Cont'd

Descr.	Prod. No.	Ø		T		L		C		Std. Pack
		"	mm	"	mm	"	mm	"	mm	
6G-6MQLH45S-008	7209-33015	3/8	9.5	.32	8.0	3.21	81.6	2.11	53.7	1
8G-8MQLH45S-010	7209-33025	1/2	12.7	.39	10.0	3.77	95.7	2.29	58.2	1
10G-10MQLH45S-013	7209-33045	5/8	15.9	.51	13.0	4.12	104.6	2.64	67.1	1
12G-12MQLH45S-014	7209-33055	3/4	19.1	.55	14.0	4.88	124.0	2.87	73.0	1
16G-16MQLH45S-017	7209-33065	1	25.4	.66	17.0	5.49	139.5	3.26	82.7	1
BULK PACK										
4G-4MQLH45S-008XBULK	7209-3300	1/4	6.4	.32	8.0	2.96	75.1	1.93	49.1	150
6G-6MQLH45S-008XBULK	7209-3301	3/8	9.5	.32	8.0	3.21	81.6	2.11	53.7	125
8G-8MQLH45S-010XBULK	7209-3302	1/2	12.7	.39	10.0	3.77	95.7	2.29	58.2	100
10G-10MQLH45S-013XBULK	7209-3304	5/8	15.9	.51	13.0	4.12	104.6	2.64	67.1	75
12G-12MQLH45S-014XBULK	7209-3305	3/4	19.1	.55	14.0	4.88	124.0	2.87	73.0	50
16G-16MQLH45S-017XBULK	7209-3306	1	25.4	.66	17.0	5.49	139.5	3.26	82.7	25

Male Quick-Lok High - 90° Short Bent Tube



Descr.	Prod. No.	Ø		T		L		C		Std. Pack
		"	mm	"	mm	"	mm	"	mm	
STANDARD PACK										
4G-4MQLH90S-018	7209-34005	1/4	6.4	.70	18.0	2.19	55.6	1.69	29.6	1
6G-6MQLH90S-020	7209-34045	3/8	9.5	.78	20.0	2.47	62.8	1.37	34.8	1
8G-8MQLH90S-026	7209-34085	1/2	12.7	1.02	26.0	3.16	80.3	1.69	42.9	1
10G-10MQLH90S-033	7209-34115	5/8	15.9	1.29	33.0	3.55	90.1	2.07	52.6	1
12G-12MQLH90S-037	7209-34155	3/4	19.1	1.45	37.0	4.33	110.1	2.33	59.1	1
16G-16MQLH90S-044	7209-34195	1	25.4	1.73	44.0	5.47	139.0	3.24	82.3	1
BULK PACK										
4G-4MQLH90S-018XBULK	7209-3400	1/4	6.4	.70	18.0	2.19	55.6	1.69	29.6	150
6G-6MQLH90S-020XBULK	7209-3404	3/8	9.5	.78	20.0	2.47	62.8	1.37	34.8	125
8G-8MQLH90S-026XBULK	7209-3408	1/2	12.7	1.02	26.0	3.16	80.3	1.69	42.9	100
10G-10MQLH90S-033XBULK	7209-3411	5/8	15.9	1.29	33.0	3.55	90.1	2.07	52.6	75
12G-12MQLH90S-037XBULK	7209-3415	3/4	19.1	1.45	37.0	4.33	110.1	2.33	59.1	50
16G-16MQLH90S-044XBULK	7209-3419	1	25.4	1.73	44.0	5.47	139.0	3.24	82.3	25

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBAL SPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



MegaCrimp® Couplings



Male Quick-Lok High - 90° Long Bent Tube



EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

Descr.	Prod. No.	⊖		T		L		C		Std. Pack
		"	mm	"	mm	"	mm	"	mm	
STANDARD PACK										
4G-4MQLH90L-039	7209-34015	1/4	19.1	1.53	39.0	2.19	55.6	1.17	29.6	1
6G-6MQLH90L-046	7209-34055	3/8	9.5	1.81	46.0	2.40	60.9	1.30	32.9	1
8G-8MQLH90L-057	7209-34095	1/2	12.7	2.24	57.0	3.04	77.1	1.56	39.7	1
10G-10MQLH90L-065	7209-34125	5/8	15.9	2.55	65.0	3.72	94.4	2.24	57.0	1
12G-12MQLH90L-075	7209-34165	3/4	19.1	2.95	75.0	4.20	106.7	2.19	55.7	1
16G-16MQLH90L-103	7209-34215	1	25.4	4.05	103.0	4.87	123.7	2.63	66.9	1
BULK PACK										
4G-4MQLH90L-039XBULK	7209-3401	1/4	19.1	1.53	39.0	2.19	55.6	1.17	29.6	150
6G-6MQLH90L-046XBULK	7209-3405	3/8	9.5	1.81	46.0	2.40	60.9	1.30	32.9	125
8G-8MQLH90L-057XBULK	7209-3409	1/2	12.7	2.24	57.0	3.04	77.1	1.56	39.7	100
10G-10MQLH90L-065XBULK	7209-3412	5/8	15.9	2.55	65.0	3.72	94.4	2.24	57.0	75
12G-12MQLH90L-075XBULK	7209-3416	3/4	19.1	2.95	75.0	4.20	106.7	2.19	55.7	50
16G-16MQLH90L-103XBULK	7209-3421	1	25.4	4.05	103.0	4.87	123.7	2.63	66.9	25

Female Quick-Lok High to Male O-Ring Boss Adapter




Descr.	Prod. No.	⊖		🌀	H1	H2	L		Std. Pack
		"	mm		mm	mm	"	mm	
STANDARD PACK									
4FQLH-4MBS	7209-05025	1/4	6.4	7/16-20	19.0	—	1.65	42.0	1
4FQLH-6MB	7209-05035	1/4	6.4	9/16-18	19.0	—	1.65	42.0	1
6FQLH-4MB	7209-05075	3/8	9.5	7/16-20	22.0	—	1.65	42.0	1
6FQLH-6MB	7209-05085	3/8	9.5	9/16-18	22.0	—	1.69	43.0	1
6FQLH-8MB	7209-05095	3/8	9.5	3/4-16	24.0	—	1.69	43.0	5
6MB-8FQLH	7209-05135	1/2	12.7	9/16-18	24.0	—	1.71	43.5	1
8FQLH-8MBS	7209-05145	1/2	12.7	3/4-16	24.0	—	1.75	44.5	1
8FQLH-10MB	7209-05155	1/2	12.7	7/8-14	27.0	—	1.81	46.0	1
8MB-10FQLH	7209-05195	5/8	15.9	3/4-16	27.0	—	1.85	47.0	1
10MB-10FQLH	7209-05205	5/8	15.9	7/8-14	27.0	—	1.85	47.0	1
12FQLH-10MB	7209-05255	3/4	19.1	7/8-14	32.0	—	1.88	48.0	1

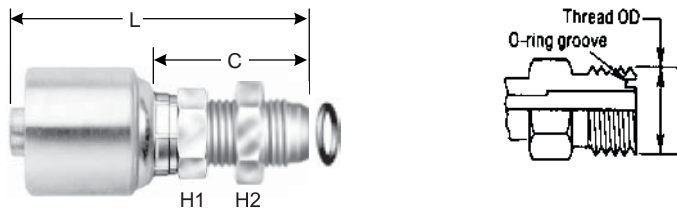





Female Quick-Lok High to Male O-Ring Boss Adapter - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		Std. Pack
		"	mm		mm	mm	"	mm	
12FQLH-12MB	7209-05265	3/4	19.1	1 1/16-12	32.0	—	1.96	50.0	1
12FQLH-16MB	7209-05275	3/4	19.1	1 5/16-12	41.0	—	1.96	50.0	1
12MB-10FQLH	7209-05215	5/8	15.9	1 1/16-12	27.0	—	1.88	48.0	1
12MB-16FQLH	7209-05315	1	25.4	1 1/16-12	41.0	—	2.08	53.0	1
16FQLH-16MB	7209-05325	1	25.4	1 5/16-12	41.0	—	1.96	50.0	1
BULK PACK									
4FQLH-4MBSXBULK	7209-0502	1/4	6.4	7/16-20	19.0	—	1.65	42.0	200
4FQLH-6MBSXBULK	7209-0503	1/4	6.4	9/16-18	19.0	—	1.65	42.0	200
6FQLH-4MBSXBULK	7209-0507	3/8	9.5	7/16-20	22.0	—	1.65	42.0	150
6FQLH-6MBSXBULK	7209-0508	3/8	9.5	9/16-18	22.0	—	1.69	43.0	175
6FQLH-8MBSXBULK	7209-0509	3/8	9.5	3/4-16	24.0	—	1.69	43.0	200
8FQLH-6MBSXBULK	7209-0513	1/2	12.7	9/16-18	24.0	—	1.71	43.5	150
8FQLH-8MBSXBULK	7209-0514	1/2	12.7	3/4-16	24.0	—	1.75	44.5	100
8FQLH-10MBSXBULK	7209-0515	1/2	12.7	7/8-14	27.0	—	1.81	46.0	100
10FQLH-8MBSXBULK	7209-0519	5/8	15.9	3/4-16	27.0	—	1.85	47.0	100
10FQLH-10MBSXBULK	7209-0520	5/8	15.9	7/8-14	27.0	—	1.85	47.0	125
10FQLH-12MBXBULK	7209-0521	5/8	15.9	1 1/16-12	27.0	—	1.88	48.0	100
12FQLH-10MBSXBULK	7209-0525	3/4	19.1	7/8-14	32.0	—	1.88	48.0	100
12FQLH-12MBXBULK	7209-0526	3/4	19.1	1 1/16-12	32.0	—	1.96	50.0	100
12FQLH-16MBXBULK	7209-0527	3/4	19.1	1 5/16-12	41.0	—	1.96	50.0	75
16FQLH-12MBSXBULK	7209-0531	1	25.4	1 1/16-12	41.0	—	2.08	53.0	75
16FQLH-16MBXBULK	7209-0532	1	25.4	1 5/16-12	41.0	—	1.96	50.0	50

Male Flat-Face O-Ring Bulk Head Long Nose



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
8G-8MFFORBKHDLN	7101-50565	1/2	12.7	13/16-16	1 1/8	1 1/8	3.55	90.2	2.07	52.6	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

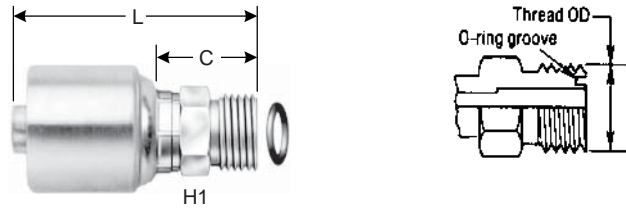





MegaCrimp® Couplings

Male Flat-Face O-Ring Metric Hex

SAE J1453 Captive O-Ring Groove for Improved O-Ring Retention.

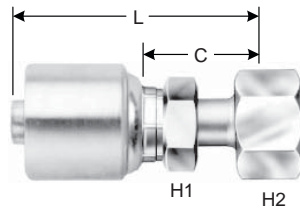



DESCR.	Prod. No.	⊖			H1	H2	L		C		Std. Pack	
		"	mm		mm	mm	"	mm	"	mm		
STANDARD PACK												
4G-4MFFOR	7104-16045	1/4	6.4	9/16-18	17.0	—	1.91	48.5	.89	22.5	1	
4G-6MFFOR	7104-16055	1/4	6.4	11/16-16	19.0	—	2.13	54.0	1.10	28.0	1	
LOW PRESSURE COUPLINGS	5G-6MFFOR	7104-16065	5/16	7.9	11/16-16	19.0	—	2.20	56.0	1.10	28.0	1
	6G-6MFFOR	7104-16075	3/8	9.5	11/16-16	19.0	—	2.20	56.0	1.11	28.1	1
	6G-8MFFOR	7104-16085	3/8	9.5	13/16-16	22.0	—	2.32	59.0	1.22	31.1	1
POLARSEAL COUPLINGS	6G-10MFFOR	7104-16095	3/8	9.5	1-14	27.0	—	2.52	64.0	1.42	36.1	1
	8G-8MFFOR	7104-16115	1/2	12.7	13/16-16	22.0	—	2.69	68.2	1.21	30.7	1
	8G-10MFFOR	7104-16125	1/2	12.7	1-14	27.0	—	2.87	73.0	1.40	35.5	1
C14 COUPLINGS	8G-12MFFOR	7104-16135	1/2	12.7	1 3/16-12	32.0	—	3.01	76.5	1.53	39.0	1
	10G-10MFFOR	7104-16155	5/8	15.8	1-14	27.0	—	2.70	68.5	1.22	31.0	1
	10G-12MFFOR	7104-16165	5/8	15.8	1 3/16-12	32.0	—	2.83	72.0	1.36	34.5	1
PCTS THERMO-PLASTIC COUPLINGS	12G-12MFFOR	7104-16185	3/4	19.0	1 3/16-12	32.0	—	3.54	90.0	1.54	39.0	1
	12G-16MFFOR	7104-16195	3/4	19.0	1 7/16-12	41.0	—	3.74	95.0	1.73	44.0	1
	16G-16MFFOR	7104-16215	1	25.4	1 7/16-12	41.0	—	4.02	102.0	1.78	45.2	1
FIELD ATTACHABLE G1 & G2 COUPLINGS	16G-20MFFOR	7104-16225	1	25.4	1 11/16-12	46.0	—	4.13	105.0	1.90	48.2	1
	20G-20MFFOR	7104-16245	1 1/4	31.7	1 11/16-12	46.0	—	4.29	109.0	1.97	50.0	1
	BULK PACK											
FIELD ATTACHABLE C5 COUPLINGS	4G-4MFFORXBULK	7104-1604	1/4	6.4	9/16-18	17.0	—	1.91	48.5	.89	22.5	200
	4G-6MFFORXBULK	7104-1605	1/4	6.4	11/16-16	19.0	—	2.13	54.0	1.10	28.0	150
	6G-6MFFORXBULK	7104-1607	3/8	9.5	11/16-16	19.0	—	2.20	56.0	1.11	28.1	215
	6G-8MFFORXBULK	7104-1608	3/8	9.5	13/16-16	22.0	—	2.32	59.0	1.22	31.1	175
	6G-10MFFORXBULK	7104-1609	3/8	9.5	1-14	27.0	—	2.52	64.0	1.42	36.1	75
SURELOK AIR BRAKE COUPLINGS	8G-8MFFORXBULK	7104-1611	1/2	12.7	13/16-16	22.0	—	2.69	68.2	1.21	30.7	100
	8G-10MFFORXBULK	7104-1612	1/2	12.7	1-14	27.0	—	2.87	73.0	1.40	35.5	100
	10G-10MFFORXBULK	7104-1615	5/8	15.8	1-14	27.0	—	2.70	68.5	1.22	31.0	50
	10G-12MFFORXBULK	7104-1616	5/8	15.8	1 3/16-12	32.0	—	2.83	72.0	1.36	34.5	50
	12G-12MFFORXBULK	7104-1618	3/4	19.0	1 3/16-12	32.0	—	3.54	90.0	1.54	39.0	50
QUICK DISCONNECT COUPLERS	12G-16MFFORXBULK	7104-1619	3/4	19.0	1 7/16-12	41.0	—	3.74	95.0	1.73	44.0	30
	16G-16MFFORXBULK	7104-1621	1	25.4	1 7/16-12	41.0	—	4.02	102.0	1.78	45.2	25
	20G-20MFFORXBULK	7104-1624	1 1/4	31.7	1 11/16-12	46.0	—	4.29	109.0	1.97	50.0	25





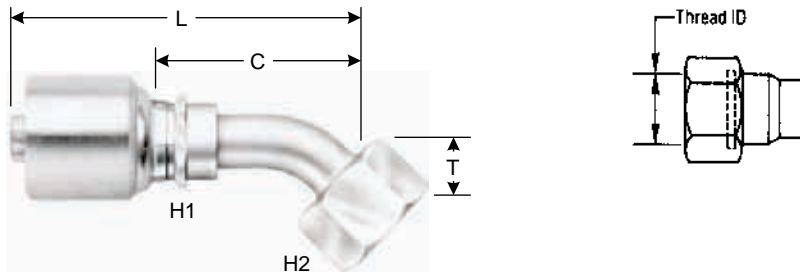
Female Flat-Face O-Ring Swivel Metric Hex




Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
4G-8FFORX	7104-19075	1/4	6.4	13/16-16	12.7	24.0	2.23	56.9	1.21	31.0	1
20G-24FFORX	7104-19385	1 1/4	31.8	2-12	50.0	60.0	4.47	113.8	2.05	52.3	1
BULK PACK											
20G-24FFORXXBULK	7104-1938	1 1/4	31.8	1 7/8-12	50.0	60.0	4.47	113.8	2.05	52.3	20

Female Flat-Face O-Ring Swivel Metric Hex - 45° Short Bent Tube

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4FFORX45S	7104-22045	1/4	6.4	9/16-18	12.7	17.0	.39	10.0	2.57	65.2	1.54	39.2	1
4G-6FFORX45S	7104-22055	1/4	6.4	11/16-16	12.7	22.0	.43	11.0	2.70	68.5	1.67	42.5	1
5G-6FFORX45S	7104-22335	5/16	7.9	11/16-16	15.9	22.0	.43	11.0	2.73	69.4	1.63	41.4	1
6G-4FFORX45S	7104-22075	3/8	9.5	9/16-18	12.7	17.0	.39	10.0	2.60	68.5	1.50	42.5	1
6G-6FFORX45S	7104-22085	3/8	9.5	11/16-16	15.9	22.0	.43	11.0	2.75	69.8	1.65	41.9	1
6G-8FFORX45S	7104-22095	3/8	9.5	13/16-16	24.0	—	.59	15.0	3.35	85.2	2.26	57.3	1
8G-6FFORX45S	7104-22125	1/2	12.7	11/16-16	20.6	22.0	.43	11.0	3.57	90.7	2.09	53.2	1
8G-8FFORX45S	7104-22135	1/2	12.7	13/16-16	—	24.0	.59	15.0	3.50	89.0	2.03	51.6	1
8G-10FFORX45S	7104-22145	1/2	12.7	1-14	20.6	30.0	.63	16.0	3.98	101.0	2.50	63.5	1
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	1
10G-8FFORX45S	7104-22165	5/8	15.9	13/16-16	23.8	24.0	.59	15.0	3.80	96.8	2.32	59.2	1
10G-10FFORX45S	7104-22175	5/8	15.8	1-14	23.8	30.0	.59	16.0	3.96	100.5	2.50	63.0	1
10G-12FFORX45S	7104-22185	5/8	15.9	1 3/16-12	23.8	36.0	.83	21.0	4.17	105.9	2.69	68.4	1
12G-12FFORX45S	7104-22225	3/4	19.1	1 3/16-12	27.0	36.0	.83	21.0	4.66	118.4	2.65	67.4	1
12G-16FFORX45S	7104-22235	3/4	19.1	1 7/16-12	27.0	41.0	.94	24.0	4.80	122.0	2.80	71.0	1
16G-12FFORX45S	7104-22255	1	25.4	1 3/16-12	34.9	36.0	.83	21.0	5.22	132.5	2.98	75.7	1
16G-16FFORX45S	7104-22265	1	25.4	1 7/16-12	34.9	41.0	.94	24.0	5.78	146.9	3.55	90.1	1
20G-20FFORX45S	7104-22295	1 1/4	31.8	1 11/16-12	44.5	50.0	.98	25.0	6.22	158.0	3.90	99.0	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES


EQUIPMENT AND PARTS



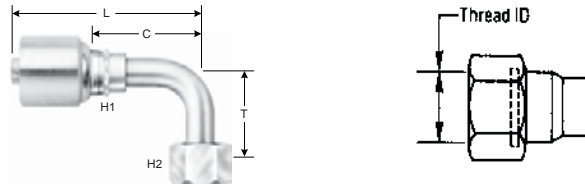



MegaCrimp® Couplings

Female Flat-Face O-Ring Swivel Metric Hex - 45° Short Bent Tube - Cont'd

DESCR.	PROD. NO.	⊖			H1	H2	T		L		C		STD. PACK
		"	mm				"	mm	"	mm	"	mm	
BULK PACK													
4G-4FFORX45SXBULK	7104-2204	1/4	6.4	9/16-18	12.7	17.0	.39	10.0	2.57	65.2	1.54	39.2	100
4G-6FFORX45SXBULK	7104-2205	1/4	6.4	11/16-16	12.7	22.0	.43	11.0	2.70	68.5	1.67	42.5	240
6G-6FFORX45SXBULK	7104-2208	3/8	9.5	11/16-16	15.9	22.0	.43	11.0	2.75	69.8	1.65	41.9	190
6G-8FFORX45SXBULK	7104-2209	3/8	9.5	13/16-16	15.9	22.0	.59	15.0	3.35	85.2	2.26	57.3	125
8G-8FFORX45SXBULK	7104-2213	1/2	12.7	13/16-16	—	24.0	.59	15.0	3.50	89.0	2.03	51.6	100
8G-10FFORX45SXBULK	7104-2214	1/2	12.7	1-14	20.6	30.0	.63	16.0	3.98	101.0	2.50	63.5	50
10G-10FFORX45SXBULK	7104-2217	5/8	15.9	1-14	23.8	30.0	.59	16.0	3.96	100.5	2.50	63.0	85
10G-12FFORX45SXBULK	7104-2218	5/8	15.9	1 3/16-12	23.8	36.0	.83	21.0	4.17	105.9	2.69	68.4	50
12G-12FFORX45SXBULK	7104-2222	3/4	19.1	1 3/16-12	27.0	36.0	.83	21.0	4.66	118.4	2.65	67.4	50
12G-16FFORX45SXBULK	7104-2223	3/4	19.1	1 7/16-12	27.0	41.0	.94	24.0	4.80	122.0	2.80	71.0	35
16G-16FFORX45SXBULK	7104-2226	1	25.4	1 7/16-12	34.9	41.0	.94	24.0	5.78	146.9	3.55	90.1	25
20G-20FFORX45SXBULK	7104-2229	1 1/4	31.8	1 11/16-12	44.5	50.0	.98	25.0	6.22	158.0	3.90	99.0	15

Female Flat-Face O-Ring Swivel Metric Hex - 90° Short Bent Tube




DESCR.	PROD. NO.	⊖			H1	H2	T		L		C		STD. PACK
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4FFORX90S	7104-24045	1/4	6.4	9/16-18	12.7	17.0	.83	21.0	2.37	60.2	1.35	34.4	1
4G-6FFORX90S	7104-24095	1/4	6.4	11/16-16	12.7	22.0	.91	23.0	2.50	63.4	1.47	37.4	1
4G-8FFORX90S	7104-24145	1/4	6.4	13/16-16	—	22.0	1.14	29.0	2.86	72.7	1.80	46.0	1
5G-6FFORX90S	7104-24955	5/16	7.9	11/16-16	15.9	22.0	.91	23.0	2.83	72.0	1.73	44.0	1
6G-4FFORX90S	7104-24195	3/8	9.5	9/16-18	15.9	17.0	.73	21.0	2.42	61.4	1.32	33.6	1
6G-6FFORX90S	7104-24245	3/8	9.5	11/16-16	15.9	22.0	.91	23.0	2.85	72.5	1.76	44.6	1
6G-8FFORX90S	7104-24295	3/8	9.5	13/16-16	15.9	22.0	1.14	29.0	2.87	73.0	1.78	45.1	1
8G-6FFORX90S	7104-24345	1/2	12.7	11/16-16	20.6	22.0	.91	23.0	3.29	83.5	1.81	46.0	1
8G-8FFORX90S	7104-24395	1/2	12.7	13/16-16	—	—	.91	23.0	3.30	83.9	1.83	46.5	1
8G-10FFORX90S	7104-24445	1/2	12.7	1-14	20.6	30.0	1.26	32.0	3.66	92.9	2.18	55.4	1
8G-12FFORX90S	7104-24475	1/2	12.7	1 3/16-12	—	36.0	1.89	48.0	4.05	102.9	2.57	65.4	1
10G-8FFORX90S	7104-24495	5/8	15.9	13/16-16	23.8	24.0	1.14	29.0	3.64	92.4	2.16	54.9	1
10G-10FFORX90S	7104-24545	5/8	15.9	1-14	23.8	30.0	1.26	32.0	3.64	92.5	2.17	55.0	1
10G-12FFORX90S	7104-24595	5/8	15.9	1 3/16-12	23.8	36.0	1.89	48.0	3.79	96.3	2.31	58.8	1
12G-10FFORX90S	7104-24635	3/4	19.1	1-14	27.0	36.0	1.26	32.0	4.09	104.0	2.09	53.0	1
12G-12FFORX90S	7104-24645	3/4	19.1	1 3/16-12	27.0	36.0	1.89	48.0	4.29	109.0	2.28	58.0	1
12G-16FFORX90S	7104-24695	3/4	19.1	1 7/16-12	34.9	41.0	2.20	56.0	5.06	128.5	3.05	77.5	1
16G-12FFORX90S	7104-24735	1	25.4	1 3/16-12	27.0	36.0	1.89	48.0	5.10	129.4	2.86	72.6	1
16G-16FFORX90S	7104-24745	1	25.4	1 7/16-12	34.9	41.0	2.20	56.0	5.11	129.9	2.88	73.1	1
20G-20FFORX90S	7104-24795	1 1/4	31.8	1 11/16-12	44.5	50.0	2.52	64.0	5.91	150.0	3.58	91.0	1
BULK PACK													
4G-4FFORX90SXBULK	7104-2404	1/4	6.4	9/16-18	12.7	17.0	.83	21.0	2.37	60.2	1.35	34.4	255
4G-6FFORX90SXBULK	7104-2409	1/4	6.4	11/16-16	12.7	22.0	.91	23.0	2.50	63.4	1.47	37.4	225

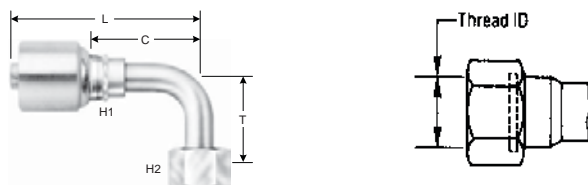





Female Flat-Face O-Ring Swivel Metric Hex - 90° Short Bent Tube - Cont'd

Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
4G-8FFORX90SXBULK	7104-2414	1/4	6.4	13/16-16	—	22.0	1.14	29.0	2.86	72.7	1.80	46.0	100
6G-6FFORX90SXBULK	7104-2424	3/8	9.5	11/16-16	15.9	22.0	.91	23.0	2.85	72.5	1.76	44.6	185
6G-8FFORX90SXBULK	7104-2429	3/8	9.5	13/16-16	15.9	22.0	1.14	29.0	2.87	73.0	1.78	45.1	125
8G-8FFORX90SXBULK	7104-2439	1/2	12.7	13/16-16	—	24.0	1.14	29.0	3.30	83.9	1.83	46.5	110
8G-10FFORX90SXBULK	7104-2444	1/2	12.7	1-14	20.6	30.0	1.26	32.0	3.66	92.9	2.18	55.4	75
10G-10FFORX90SXBULK	7104-2454	5/8	15.9	1-14	23.8	30.0	1.26	32.0	3.64	92.5	2.17	55.0	80
10G-12FFORX90SXBULK	7104-2459	5/8	15.9	1 3/16-12	23.8	36.0	1.89	48.0	3.79	96.3	2.31	58.8	50
12G-12FFORX90SXBULK	7104-2464	3/4	19.1	1 3/16-12	27.0	36.0	1.89	48.0	4.29	109.0	2.28	58.0	45
12G-16FFORX90SXBULK	7104-2469	3/4	19.1	1 7/16-12	34.9	41.0	2.20	56.0	5.06	128.5	3.05	77.5	30
16G-16FFORX90SXBULK	7104-2474	1	25.4	1 7/16-12	34.9	41.0	2.20	56.0	5.11	129.9	2.88	73.1	25
20G-20FFORX90SXBULK	7104-2479	1 1/4	31.8	1 11/16-12	44.5	50.0	2.52	64.0	5.91	150.0	3.58	91.0	15

Female Flat-Face O-Ring Swivel Metric Hex - 90° Medium Bent Tube



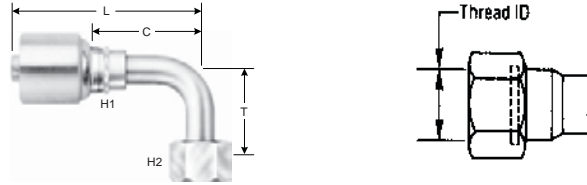
Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4FFORX90M	7104-24055	1/4	6.4	9/16-18	12.7	17.0	1.26	32.0	2.21	56.2	1.90	30.2	1
4G-6FFORX90M	7104-24105	1/4	6.4	11/16-16	12.7	22.0	1.50	38.0	2.50	63.4	1.47	37.4	1
6G-6FFORX90M	7104-24255	3/8	9.5	11/16-16	15.9	22.0	1.50	38.0	2.50	63.6	1.41	35.7	1
6G-8FFORX90M	7104-24305	3/8	9.5	13/16-16	15.9	22.0	1.61	41.0	2.70	68.5	1.60	40.6	1
8G-8FFORX90M	7104-24405	1/2	12.7	13/16-16	—	24.0	1.61	41.0	3.30	83.9	1.83	46.5	1
8G-10FFORX90M	7104-24455	1/2	12.7	1-14	20.6	30.0	1.85	47.0	3.67	93.2	2.19	55.7	1
10G-10FFORX90M	7104-24555	5/8	15.9	1-14	23.8	30.0	1.85	47.0	3.65	92.8	2.18	55.3	1
16G-16FFORX90M	7104-24755	1	25.4	1 7/16-12	34.9	41.0	2.80	71.0	5.08	129.9	2.88	73.1	1
16G-20FFORX90M	7104-24915	1	25.4	1 11/16-12	38.1	41.0	3.07	78.0	6.14	156.0	3.91	99.2	1
20G-20FFORX90M	7104-24805	1 1/4	31.7	1 11/16-12	44.5	50.0	3.07	78.0	5.51	140.0	3.19	81.0	1
BULK PACK													
4G-4FFORX90MXBULK	7104-2405	1/4	6.4	9/16-18	12.7	17.0	1.26	32.0	2.21	56.2	1.90	30.2	125
4G-6FFORX90MXBULK	7104-2410	1/4	6.4	11/16-16	12.7	22.0	1.50	38.0	2.50	63.4	1.47	37.4	150
6G-6FFORX90MXBULK	7104-2425	3/8	9.5	11/16-16	15.9	22.0	1.50	38.0	2.50	63.6	1.41	35.7	175
6G-8FFORX90MXBULK	7104-2430	3/8	9.5	13/16-16	15.9	22.0	1.61	41.0	2.70	68.5	1.60	40.6	100
8G-8FFORX90MXBULK	7104-2440	1/2	12.7	13/16-16	—	24.0	1.61	41.0	3.30	83.9	1.83	46.5	100
8G-10FFORX90MXBULK	7104-2445	1/2	12.7	1-14	20.6	30.0	1.85	47.0	3.67	93.2	2.19	55.7	75
10G-10FFORX90MXBULK	7104-2455	5/8	15.9	1-14	23.8	30.0	1.85	47.0	3.65	92.8	2.18	55.3	75
12G-12FFORX90MXBULK	7104-2465	3/4	19.1	1 3/16-12	27.0	36.0	2.28	58.0	4.29	109.0	2.28	58.0	20
16G-16FFORX90MXBULK	7104-2475	1	25.4	1 7/16-12	34.9	41.0	2.80	71.0	5.08	129.9	2.88	73.1	25

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBAL SPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



MegaCrimp® Couplings

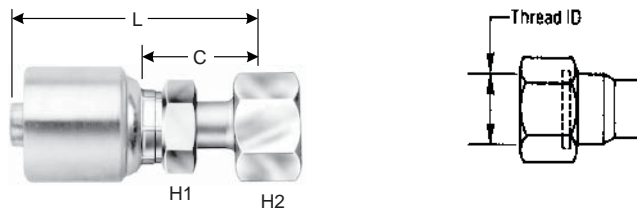
Female Flat-Face O-Ring Swivel Metric Hex - 90° Long Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4FFORX90L	7104-24065	1/4	6.4	9/16-18	12.7	17.0	1.81	46.0	2.21	56.2	1.19	30.2	1
4G-6FFORX90L	7104-24115	1/4	6.4	11/16-16	12.7	22.0	2.13	54.0	2.43	61.6	1.40	35.6	1
4G-8FFORX90L	7104-24165	1/4	6.4	13/16-16	—	22.0	2.52	64.0	2.64	67.1	1.62	41.1	1
6G-6FFORX90L	7104-24265	3/8	9.5	11/16-16	15.9	22.0	2.13	54.0	2.73	69.3	1.63	41.4	1
6G-8FFORX90L	7104-24315	3/8	9.5	13/16-16	15.9	22.0	2.52	64.0	2.72	69.0	1.62	41.1	1
8G-6FFORX90L	7104-24365	1/2	12.7	11/16-16	20.6	22.0	2.12	54.0	3.15	80.3	1.62	41.4	1
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	1
8G-10FFORX90L	7104-24465	1/2	12.7	1-14	20.6	30.0	2.76	70.0	3.57	90.6	2.09	53.1	1
10G-8FFORX90L	7104-24515	5/8	15.9	13/16-16	23.8	24.0	2.52	64.0	3.64	92.4	2.16	54.9	1
10G-10FFORX90L	7104-24565	5/8	15.9	1-14	23.8	30.0	2.76	70.0	3.55	90.2	2.07	52.7	1
12G-12FFORX90L	7104-24665	3/4	19.1	1 3/16-12	27.0	36.0	3.78	96.0	4.65	118.2	2.64	67.2	1
16G-16FFORX90L	7104-24765	1	25.4	1 7/16-12	34.9	41.0	4.49	114.0	5.08	129.9	2.88	73.1	1
20G-20FFORX90L	7104-24815	1 1/4	31.7	1 11/16-12	44.5	50.0	5.08	129.0	5.51	140.0	3.19	81.0	1
BULK PACK													
4G-4FFORX90LXBULK	7104-2406	1/4	6.4	9/16-18	12.7	17.0	1.81	46.0	2.21	56.2	1.19	30.2	120
4G-6FFORX90LXBULK	7104-2411	1/4	6.4	11/16-16	12.7	22.0	2.13	54.0	2.43	61.6	1.40	35.6	75
4G-8FFORX90LXBULK	7104-2416	1/4	6.4	13/16-16	—	22.0	2.52	64.0	2.64	67.1	1.62	41.1	75
6G-6FFORX90LXBULK	7104-2426	3/8	9.5	11/16-16	15.9	22.0	2.13	54.0	2.73	69.3	1.63	41.4	175
6G-8FFORX90LXBULK	7104-2431	3/8	9.5	13/16-16	15.9	22.0	2.52	64.0	2.72	69.0	1.62	41.1	100
8G-8FFORX90LXBULK	7104-2441	1/2	12.7	13/16-16	—	24.0	2.52	64.0	3.30	83.9	1.83	46.5	90
8G-10FFORX90LXBULK	7104-2446	1/2	12.7	1-14	20.6	30.0	2.76	70.0	3.57	90.6	2.09	53.1	50
10G-10FFORX90LXBULK	7104-2456	5/8	15.9	1-14	23.8	30.0	2.76	70.0	3.55	90.2	2.07	52.7	50
12G-12FFORX90LXBULK	7104-2466	3/4	19.1	1 3/16-12	27.0	36.0	3.78	96.0	4.65	118.2	2.64	67.2	40
16G-16FFORX90LXBULK	7104-2476	1	25.4	1 7/16-12	34.9	41.0	4.49	114.0	5.08	129.9	2.88	73.1	25

Female Flat-Face O-Ring Swivel English Hex

SAE J1453 O-Ring Face Seal.




Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4GE-4FFORX	7102-13125	1/4	6.4	9/16-18	9/16	11/16	2.15	54.5	1.12	28.5	5
4GE-6FFORX	7102-13135	1/4	6.4	11/16-16	5/8	13/16	2.24	57.0	1.22	31.0	1





Female Flat-Face O-Ring Swivel English Hex - cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
5GE-6FFORX	7102-04015	5/16	7.9	11/16-16	5/8	13/16	2.70	68.5	1.22	31.0	1
6GE-4FFORX	7102-13195	3/8	9.5	9/16-18	21/32	11/16	2.24	57.0	1.15	29.1	1
6GE-6FFORX	7102-13145	3/8	9.5	11/16-16	5/8	13/16	2.32	59.0	1.22	31.0	5
6GE-8FFORX	7102-13155	3/8	9.5	13/16-16	3/4	15/16	2.52	64.0	1.42	36.1	5
8GE-6FFORX	7102-04045	1/2	12.7	11/16-16	13/16	13/16	2.74	69.5	1.26	32.0	1
8GE-8FFORX	7102-03165	1/2	12.7	13/16-16	13/16	15/16	2.89	73.5	1.42	36.0	5
8GE-10FFORX	7102-03175	1/2	12.7	1-14	15/16	1 1/8	3.19	81.0	1.71	43.5	1
8GE-12FFORX	7102-04005	1/2	9.5	1 3/16-12	15/16	1 3/8	3.32	84.3	1.84	46.8	1
10GE-8FFORX	7102-04175	5/8	15.8	16/16-16	15/16	1 3/8	3.30	83.7	1.80	46.0	1
10GE-10FFORX	7102-03185	5/8	15.8	1-14	1	1 1/8	3.21	81.5	1.73	44.0	1
10GE-12FFORX	7102-03195	5/8	15.8	1 3/16-12	15/16	1 3/8	3.31	84.0	1.83	46.5	1
12GE-10FFORX	7102-03205	3/4	19.0	1-14	1 1/16	1 1/8	3.76	95.5	1.75	44.5	1
12GE-12FFORX	7102-03905	3/4	19.0	1 3/16-12	1 1/16	1 3/8	3.78	96.0	1.77	45.0	1
12GE-16FFORX	7102-03915	3/4	19.0	1 7/16-12	1 1/8	1 5/8	3.99	101.4	1.98	50.4	1
16GE-12FFORX	7102-13185	1	25.4	1 3/16-12	1 3/8	1 3/8	4.17	106.0	1.94	49.2	1
16GE-16FFORX	7102-03925	1	25.4	1 7/16-12	1 3/8	1 5/8	4.46	113.4	2.23	56.6	1
16GE-20FFORX	7102-03935	1	25.4	1 11/16-12	1 3/8	1 5/8	4.46	113.4	2.23	56.6	1
20GE-20FFORX	7102-03945	1 1/4	31.7	1 11/16-12	1 3/4	1 7/8	4.50	114.4	2.18	55.4	1
BULK PACK											
4GE-4FFORX XBULK	7102-1312	1/4	6.4	9/16-18	9/16	11/16	2.15	54.5	1.12	28.5	280
4GE-6FFORX XBULK	7102-1313	1/4	6.4	11/16-16	5/8	13/16	2.24	57.0	1.22	31.0	235
6GE-6FFORX XBULK	7102-1314	3/8	9.5	11/16-16	5/8	13/16	2.32	59.0	1.22	31.0	200
6GE-8FFORX XBULK	7102-1315	3/5	9.5	13/16-16	3/4	15/16	2.52	64.0	1.42	36.1	160
8GE-6FFORX XBULK	7102-0404	1/2	12.7	11/16-16	13/16	13/16	2.74	69.5	1.26	32.0	100
8GE-8FFORX XBULK	7102-0316	1/2	12.7	13/16-16	13/16	15/16	2.89	73.5	1.42	36.0	125
8GE-10FFORX XBULK	7102-0317	1/2	12.7	1-14	15/16	1 1/8	3.19	81.0	1.71	43.5	90
8GE-12FFORX XBULK	7102-0400	1/2	9.5	1 3/16-12	15/16	1 3/8	3.32	84.3	1.84	46.8	60
10GE-10FFORX XBULK	7102-0318	5/8	15.8	1-14	1	1 1/8	3.21	81.5	1.73	44.0	100
10GE-12FFORX XBULK	7102-0319	5/8	15.8	1 3/16-12	15/16	1 3/8	3.31	84.0	1.83	46.5	65
12GE-10FFORX XBULK	7102-0320	3/4	19.0	1-14	1 1/16	1 1/8	3.76	95.5	1.75	44.5	75
12GE-12FFORX XBULK	7102-0390	3/4	19.0	1 3/16-12	1 1/16	1 3/8	3.78	96.0	1.77	45.0	50
12GE-16FFORX XBULK	7102-0391	3/4	19.0	1 7/16-12	1 1/8	1 5/8	3.99	101.4	1.98	50.4	45
16GE-16FFORX XBULK	7102-0392	1	25.4	1 7/16-12	1 3/8	1 5/8	4.46	113.4	2.23	56.6	25
16GE-20FFORX XBULK	7102-0393	1	25.4	1 11/16-12	1 3/8	1 5/8	4.46	113.4	2.23	56.6	25
20GE-20FFORX XBULK	7102-0394	1 1/4	31.7	1 11/16-12	1 3/4	1 7/8	4.50	114.4	2.18	55.4	20

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

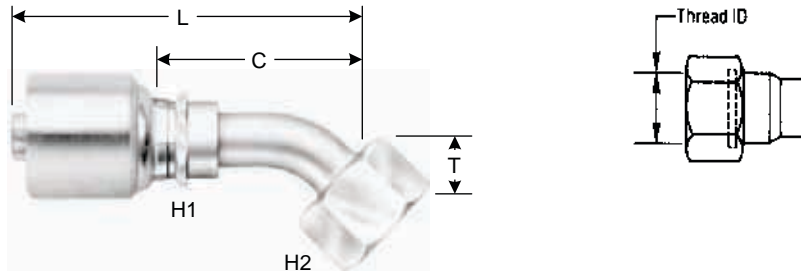




MegaCrimp® Couplings

Female Flat-Face O-Ring Swivel - 45° Bent Tube English Hex

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	Ø		O-Ring	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
4GE-4FFORX45	7102-13265	1/4	6.4	9/16-18	1/2	11/16	.41	10.4	2.56	65.0	1.54	39.0	1
5GE-6FFORX45	7102-04025	5/16	7.9	11/16-16	5/8	13/16	.43	10.9	2.73	69.3	1.63	41.3	1
6GE-8FFORX45	7102-13295	3/8	9.5	13/16-16	5/8	15/16	.59	15.0	3.07	78.0	1.97	50.1	1
8GE-10FFORX45	7102-03315	1/2	12.7	13/16-16	13/16	1 1/8	.65	16.5	3.52	89.5	2.05	52.1	1
8GE-12FFORX45	7102-03765	1/2	12.7	13/16-12	15/16	1 3/8	.83	21.0	4.34	110.3	2.87	72.9	1
10GE-12FFORX45	7102-03335	5/8	15.8	1 3/16-12	15/16	1 3/8	.83	21.1	3.90	99.1	2.42	61.5	1
12GE-10FFORX45	7102-04165	3/4	19.0	1-14	1 1/16	1 1/8	.65	16.5	4.00	101.6	1.99	50.6	1
12GE-12FFORX45	7102-03345	3/4	19.0	13/16-12	1 1/16	1 3/8	.83	21.1	4.67	118.5	2.66	67.5	1
12GE-16FFORX45	7102-03355	3/4	19.0	1 7/16-12	1 3/16	1 5/8	.94	23.9	5.24	133.0	3.23	82.0	1
16GE-16FFORX45	7102-03845	1	25.4	1 7/16-12	1 3/8	1 5/8	.94	23.9	5.08	129.1	2.85	72.3	1
20GE-20FFORX45	7102-03375	1 1/4	31.7	1 11/16-12	1 3/4	1 7/8	1.00	25.4	5.83	148.0	3.50	89.0	1
BULK PACK													
4GE-4FFORX45XBULK	7102-1326	1/4	6.4	9/16-18	1/2	11/16	.41	10.4	2.56	65.0	1.54	39.0	20
4GE-6FFORX45XBULK	7102-1327	3/8	6.4	9/16-18	1/2	13/16	.43	10.9	2.70	68.5	1.67	42.5	240
6GE-6FFORX45XBULK	7102-1328	3/8	9.5	11/16-16	5/8	1 7/8	.43	10.9	2.75	69.8	1.65	41.9	190
6GE-8FFORX45XBULK	7102-1329	3/8	9.5	13/16-16	5/8	15/16	.59	15.0	3.07	78.0	1.97	50.1	125
8GE-10FFORX45 XBULK	7102-0331	1/2	12.7	13/16-16	13/16	1 1/8	.65	16.5	3.52	89.5	2.05	52.1	50
10GE-10FFORX45XBULK	7102-0332	5/8	15.8	1-14	15/16	15/16	.65	16.5	3.50	89.0	2.03	51.6	85
10GE-12FFORX45XBULK	7102-0333	5/8	15.8	1 3/16-12	15/16	1 3/8	.83	21.1	3.90	99.1	2.42	61.5	50
12GE-12FFORX45XBULK	7102-0334	3/4	19.0	1 3/16-12	1 1/16	1 3/8	.83	21.1	4.67	118.5	2.66	67.5	50
12GE-16FFORX45XBULK	7102-0335	3/4	19.0	1 7/16-12	1 3/16	1 5/8	.94	23.9	5.24	133.0	3.23	82.0	35
16GE-16FFORX45XBULK	7102-0384	1	25.4	1 7/16-12	1 3/8	1 5/8	.94	23.9	5.08	129.1	2.85	72.3	25
20GE-20FFORX45 XBULK	7102-0337	1 1/4	31.7	1 11/16-12	1 3/4	1 7/8	1.00	25.4	5.83	148.0	3.50	89.0	25

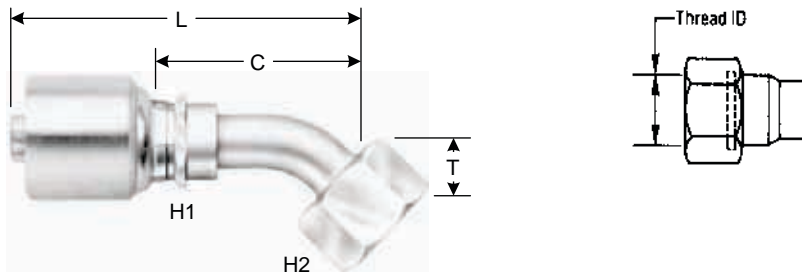
EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





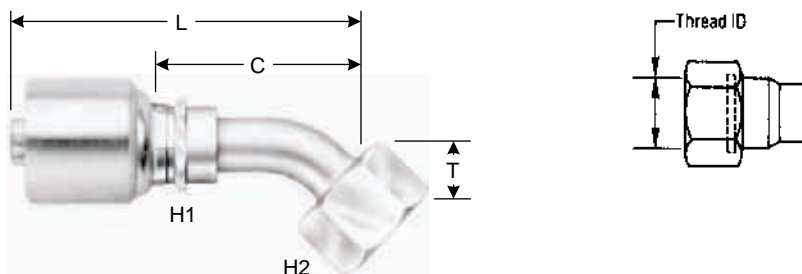
Female Flat-Face O-Ring Swivel - 45° Short Bent Tube English Hex

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
6GE-4FFORX45S	7102-03985	3/8	9.5	9/16-18	5/8	11/16	.39	10.0	2.60	66.1	1.50	38.1	1
8GE-8FFORX45	7102-04325	1/2	12.7	13/16-16	13/16	15/16	.59	15.0	3.50	89.0	2.03	51.5	1
BULK PACK													
8GE-8FFORX45XBULK	7102-0432	1/2	12.7	13/16-16	13/16	15/16	.59	15.0	3.50	89.0	2.03	51.5	100

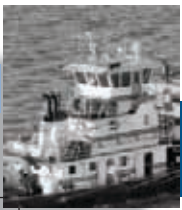
Female Flat-Face O-Ring Swivel - 67½° Bent Tube English Hex



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
8GE-8FFORX67-022	7102-03775	1/2	12.7	13/16-16	13/16	15/16	.59	15.0	3.50	89.0	2.03	51.5	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

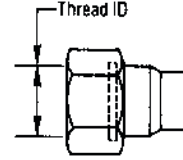
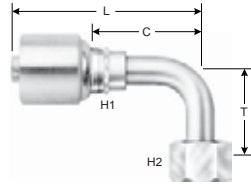





MegaCrimp® Couplings

Female Flat-Face O-Ring Swivel - 90° Short Bent Tube English Hex

SAE J1453 O-Ring Face Seal.



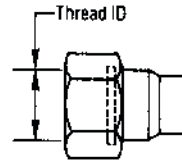
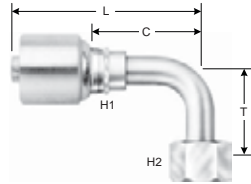
DESCR.	PROD. NO.	Ø			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
4GE-4FFORX90S	7102-13385	1/4	6.4	9/16-18	1/2	11/16	.82	20.8	2.38	60.4	1.35	34.4	1
4GE-6FFORX90S	7102-13415	1/4	6.4	11/16-16	1/2	13/16	.90	22.9	2.50	63.4	1.47	37.3	1
5GE-6FFORX90S	7102-04035	5/16	7.9	11/16-18	5/8	13/16	.90	22.9	2.84	72.1	1.74	44.1	1
6GE-4FFORX90S	7102-04105	3/8	9.5	9/16-18	5/8	11/16	.82	20.8	2.42	61.4	1.32	33.5	1
6GE-6FFORX90S	7102-13455	3/8	9.5	11/16-16	5/8	13/16	.90	22.9	2.55	64.7	1.44	36.7	1
6GE-8FFORX90S	7102-13485	3/8	9.5	13/16-16	5/8	15/16	1.15	29.2	2.87	73.0	1.77	45.0	1
8GE-6FFORX90S	7102-04125	1/2	12.7	11/16-16	13/16	13/16	.90	22.9	2.98	75.7	1.50	38.2	1
8GE-8FFORX90S	7102-04335	1/2	12.7	13/16-16	13/16	15/16	1.15	29.2	3.30	83.9	1.83	46.4	1
8GE-12FFORX90S	7102-04135	1/2	12.7	1 3/16-12	15/16	1 3/8	1.83	46.6	4.06	103.1	2.58	65.6	1
10GE-10FFORX90S	7102-03575	5/8	15.8	1-14	15/16	1 1/8	1.27	32.3	3.28	83.4	1.81	45.9	1
10GE-12FFORX90S	7102-03605	5/8	15.8	1 3/16-12	15/16	1 3/8	1.88	47.8	3.80	96.6	2.33	59.1	1
12GE-10FFORX90S	7102-03745	3/4	19.0	1-14	1 1/16	1 1/8	1.26	32.0	4.13	105.0	2.13	54.0	1
12GE-12FFORX90S	7102-03615	3/4	19.0	1 3/16-12	1 1/16	1 3/8	1.88	47.8	4.26	108.2	2.25	57.2	1
12GE-16FFORX90S	7102-03645	3/4	19.0	1 7/16-12	1 3/16	1 3/8	2.21	56.1	4.67	118.5	2.66	67.5	1
16GE-12FFORX90S	7102-03755	1	25.4	1 3/16-12	1 3/8	1 3/8	1.89	48.0	4.83	122.8	2.60	66.0	1
16GE-16FFORX90S	7102-03655	1	25.4	1 7/16-12	1 3/8	1 5/8	2.21	56.1	5.11	129.9	2.88	73.1	1
20GE-20FFORX90S	7102-03685	1 1/4	31.7	1 11/16-12	1 3/4	1 7/8	2.51	63.8	5.51	140.0	3.19	81.0	1
BULK PACK													
4GE-4FFORX90SXBULK	7102-1338	1/4	6.4	9/16-18	1/2	11/16	.82	20.8	2.38	60.4	1.35	34.4	255
4GE-6FFORX90SXBULK	7102-1341	1/4	6.4	11/16-16	1/2	13/16	.90	22.9	2.50	63.4	1.47	37.3	225
6GE-6FFORX90SXBULK	7102-1345	3/8	9.5	11/16-16	5/8	13/16	.90	22.9	2.55	64.7	1.44	36.7	185
6GE-8FFORX90SXBULK	7102-1348	3/8	9.5	13/16-16	5/8	15/16	1.15	29.2	2.87	73.0	1.77	45.0	125
8GE-8FFORX90SXBULK	7102-0433	1/2	12.7	13/16-16	13/16	15/16	1.15	29.2	3.30	83.9	1.83	46.4	110
8GE-10FFORX90SXBULK	7102-0354	1/2	12.7	1-14	13/16	1 1/8	1.27	32.3	3.30	83.8	1.82	46.3	100
10GE-10FFORX90SXBULK	7102-0357	5/8	15.8	1-14	15/16	1 1/8	1.27	32.3	3.28	83.4	1.81	45.9	80
10GE-12FFORX90SXBULK	7102-0360	5/8	15.8	1 3/16-12	15/16	1 3/8	1.88	47.8	3.80	96.6	2.33	59.1	50
12GE-12FFORX90SXBULK	7102-0361	3/4	19.0	1 3/16-12	1 1/16	1 3/8	1.88	47.8	4.26	108.2	2.25	57.2	45
12GE-16FFORX90SXBULK	7102-0364	3/4	19.0	1 7/16-12	1 3/16	1 3/8	2.21	56.1	4.67	118.5	2.66	67.5	30
16GE-16FFORX90SXBULK	7102-0365	1	25.4	1 7/16-12	1 3/8	1 5/8	2.21	56.1	5.11	129.9	2.88	73.1	25
20GE-20FFORX90SXBULK	7102-0368	1 1/4	31.7	1 11/16-12	1 3/4	1 7/8	2.51	63.8	5.51	140.0	3.19	81.0	15





Female Flat-Face O-Ring Swivel - 90° Medium Bent Tube English Hex

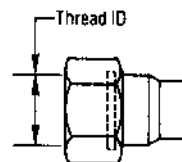
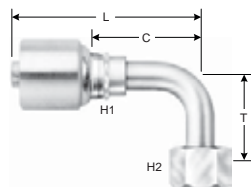
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4GE-4FFORX90M	7102-13395	1/4	6.4	9/16-18	1/2	11/16	1.26	32.0	2.17	55.2	1.15	29.2	1
4GE-6FFORX90M	7102-13375	1/4	6.4	11/16-16	1/2	13/16	1.51	38.4	2.30	58.5	1.28	32.5	1
4GE-8FFORX90M	7102-13445	1/4	6.4	13/16-16	5/8	15/16	2.51	63.8	2.60	66.0	1.57	40.0	1
6GE-6FFORX90M	7102-13465	3/8	9.5	11/16-16	5/8	13/16	1.51	38.4	2.55	64.7	1.45	36.8	1
8GE-8FFORX90M	7102-04345	1/2	12.7	13/16-16	13/16	15/16	1.62	41.2	3.19	80.9	1.71	43.4	1
8GE-10FFORX90M	7102-03555	1/2	12.7	1-14	13/16	1 1/8	1.85	47.0	3.06	77.7	1.58	40.2	1
10GE-10FFORX90M	7102-03585	5/8	15.8	1-14	15/16	1 1/8	1.85	47.0	3.06	77.6	1.58	40.2	1
12GE-12FFORX90M	7102-03625	3/4	19.0	1 3/16-12	1 1/16	1 3/8	2.28	57.9	4.20	106.8	2.20	55.8	1
16GE-16FFORX90M	7102-03855	1	25.4	1 7/16-12	1 3/8	1 5/8	2.78	70.6	4.53	115.0	2.29	58.2	1
20GE-20FFORX90M	7102-03695	1 1/4	31.7	1 11/16-12	1 3/4	1 7/8	3.09	78.5	5.31	135.0	2.99	76.0	1
BULK PACK													
4GE-6FFORX90MXBULK	7102-1337	1/4	6.4	11/16-16	1/2	13/16	1.51	38.4	2.30	58.5	1.28	32.5	150
6GE-6FFORX90MXBULK	7102-1346	3/8	9.5	11/16-16	5/8	13/16	1.51	38.4	2.55	64.7	1.45	36.8	175
6GE-8FFORX90MXBULK	7102-1349	3/8	9.5	1-14	5/8	15/16	1.62	41.2	2.70	68.5	1.59	40.5	100
8GE-8FFORX90MXBULK	7102-0434	1/2	12.7	13/16-16	13/16	15/16	1.62	41.2	3.19	80.9	1.71	43.4	100
8GE-10FFORX90MXBULK	7102-0355	1/2	12.7	1-14	13/16	1 1/8	1.85	47.0	3.06	77.7	1.58	40.2	75
10GE-10FFORX90MXBULK	7102-0358	5/8	15.8	1-14	15/16	1 1/8	1.85	47.0	3.06	77.6	1.58	40.2	75
12GE-12FFORX90MXBULK	7102-0362	3/4	19.0	1 3/16-12	1 1/16	1 3/8	2.28	57.9	4.20	106.8	2.20	55.8	20

Female Flat-Face O-Ring Swivel - 90° Long Bent Tube English Hex

SAE J1453 O-Ring Face Seal.





Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4GE-4FFORX90L	7102-13405	1/4	6.4	9/16-18	1/2	11/16	1.80	45.7	2.17	55.2	1.15	29.2	1
4GE-6FFORX90L	7102-13435	1/4	6.4	11/16-16	1/2	13/16	2.13	54.1	2.30	58.5	1.28	32.5	1
6GE-6FFORX90L	7102-13475	3/8	9.5	11/16-16	5/8	1	2.13	54.1	2.48	62.9	1.38	35.0	1
6GE-8FFORX90L	7102-13505	3/8	9.5	13/16-16	5/8	15/16	2.51	63.8	2.72	69.0	1.61	41.0	1
8GE-8FFORX90L	7102-04355	1/2	6.4	13/16-16	1/2	11/16	1.80	45.7	2.17	55.2	1.15	29.2	1
8GE-10FFORX90L	7102-03565	1/2	12.7	1-14	13/16	1 1/8	2.76	70.1	3.07	77.9	1.59	40.4	1

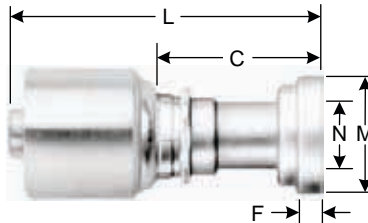
EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



Female Flat-Face O-Ring Swivel - 90° Long Bent Tube English Hex - Cont'd

Descr.	Prod. No.	⊖				H1	H2	T		L		C		Std. Pack
		"	mm			"	"	"	mm	"	mm	"	mm	
10GE-10FFORX90L	7102-03595	5/8	15.8	1-14	15/16	1 1/8	2.76	70.1	3.05	77.5	1.57	40.0	1	
12GE-12FFORX90L	7102-03835	3/4	19.0	1 13/16-12	1 1/16	1 3/8	3.78	96.0	4.02	102.0	2.01	51.0	1	
16GE-16FFORX90L	7102-03675	1	25.4	1 7/16-12	1 3/8	1 5/8	4.50	114.3	4.53	115.0	2.29	58.2	1	
BULK PACK														
4GE-4FFORX90LXBULK	7102-1340	1/4	6.4	9/16-18	1/2	11/16	1.80	45.7	2.17	55.2	1.15	29.2	120	
4GE-6FFORX90LXBULK	7102-1343	1/4	6.4	11/16-16	1/2	13/16	2.13	54.1	2.30	58.5	1.28	32.5	75	
6GE-6FFORX90LXBULK	7102-1347	3/8	9.5	11/16-16	5/8	1	2.13	54.1	2.48	62.9	1.38	35.0	175	
6GE-8FFORX90LXBULK	7102-1350	3/8	9.5	13/16-16	5/8	15/16	2.51	63.8	2.72	69.0	1.61	41.0	100	
8GE-8FFORX90LXBULK	7102-0435	1/2	6.4	13/16-16	1/2	11/16	1.80	45.7	2.17	55.2	1.15	29.2	90	
8GE-10FFORX90LXBULK	7102-0356	1/2	12.7	1-14	13/16	1 1/8	2.76	70.1	3.07	77.9	1.59	40.4	50	
10GE-10FFORX90LXBULK	7102-0359	5/8	15.8	1-14	15/16	1 1/8	2.76	70.1	3.05	77.5	1.57	40.0	50	
12GE-12FFORX90LXBULK	7102-0383	3/4	19.0	1 3/16-12	1 1/16	1 3/8	3.78	96.0	4.02	102.0	2.01	51.0	40	
16GE-16FFORX90LXBULK	7102-0367	1	25.4	1 7/16-12	1 3/8	1 5/8	4.50	114.3	4.53	115.0	2.29	58.2	25	

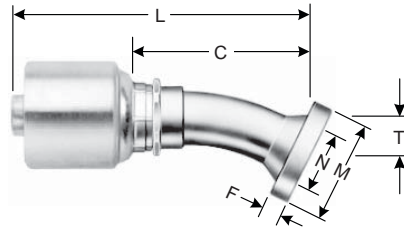
Code 61 O-Ring Flange



Descr.	Prod. No.	⊖		N	M	L	C	F	Std. Pack				
		"	mm							"	"	mm	"
STANDARD PACK													
8G-8FL	7103-25055	1/2	12.7	1/2	1.19	30.2	3.15	80.0	1.67	42.5	.27	6.7	1
8G-12FL	7103-25105	1/2	12.7	3/4	1.50	38.1	3.15	80.0	1.67	42.5	.27	6.7	1
12G-12FL	7103-25205	3/4	19.0	3/4	1.50	38.1	3.86	98.0	1.85	47.0	.27	6.7	1
12G-16FL	7103-25255	3/4	19.0	1	1.75	44.5	3.50	88.8	1.49	37.8	.32	8.0	1
16G-12FL	7103-25295	1	25.4	3/4	1.50	38.1	5.04	128.0	2.80	71.2	.27	6.7	1
16G-16FL	7103-25305	1	25.4	1	1.75	44.5	4.13	105.0	1.90	48.2	.32	8.0	1
16G-20FL	7103-25355	1	25.4	1 1/4	2.00	50.8	4.13	105.0	1.90	48.2	.32	8.0	1
16G-24FL	7100-03875	1	25.4	1 1/2	2.38	60.5	3.76	95.8	1.53	39.1	.32	8.0	1
20G-20FL	7103-25405	1 1/4	31.7	1 1/4	2.00	50.8	4.43	112.5	2.11	53.5	.32	8.0	1
20G-24FL	7103-25455	1 1/4	31.7	1 1/2	2.38	60.5	4.63	117.5	2.30	58.5	.32	8.0	1
BULK PACK													
12G-12FLXBULK	7103-2520	3/4	19.0	3/4	1.50	38.1	3.86	98.0	1.85	47.0	.27	6.7	50
12G-16FLXBULK	7103-2525	3/4	19.0	1	1.75	44.5	3.50	88.8	1.49	37.8	.32	8.0	50
16G-16FLXBULK	7103-2530	1	25.4	1	1.75	44.5	4.13	105.0	1.90	48.2	.32	8.0	35
16G-20FLXBULK	7103-2535	1	25.4	1 1/4	2.00	50.8	4.13	105.0	1.90	48.2	.32	8.0	30
20G-20FLXBULK	7103-2540	1 1/4	31.7	1 1/4	2.00	50.8	4.43	112.5	2.11	53.5	.32	8.0	20
20G-24FLXBULK	7103-2545	1 1/4	31.7	1 1/2	2.38	60.5	4.63	117.5	2.30	58.5	.32	8.0	20

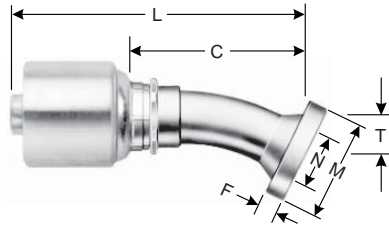


Code 61 O-Ring Flange - 22½° Bent Tube



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12G-12FL22M	7103-26155	3/4	19.0	3/4	1.50	38.1	.44	11.2	4.47	113.5	2.46	62.5	.27	6.9	1	
12G-16FL22M-014	7100-03955	3/4	19.0	1	1.75	44.5	.55	14.0	4.76	121.0	2.76	70.0	.32	8.0	1	
16G-16FL22M	7103-26255	1	25.4	1 7/16-12	1.75	44.5	.44	11.2	4.84	123.0	2.61	66.2	.32	8.0	1	
20G-20FL22M	7103-26355	1 1/4	31.7	1 11/16-12	2.00	50.8	.50	12.7	5.18	131.5	2.85	72.5	.32	8.0	1	

Code 61 O-Ring Flange - 30° Bent Tube



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12G-12FL30M	7103-26655	3/4	19.0	3/4	1.50	38.1	1.00	25.4	4.67	118.5	2.66	67.5	.32	8.0	1	
12G-16FL30M	7100-04045	3/4	19.0	1	1.75	44.5	.75	19.0	4.88	124.0	2.87	73.0	.32	8.0	1	
16G-16FL30M	7103-26755	1	25.4	1	1.75	44.5	.62	15.7	4.92	125.0	2.69	68.2	.32	8.0	1	
16G-20FL30M	7103-26805	1	25.4	1 1/2	2.00	50.8	.86	21.8	5.87	149.4	3.63	92.5	.32	8.0	1	
20G-20FL30S	7103-26845	1 1/4	31.7	1 1/4	2.00	50.8	.79	20.0	6.03	153.4	3.72	94.4	.32	8.0	1	

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

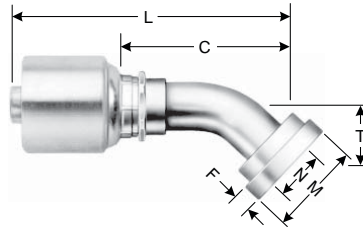
EQUIPMENT AND PARTS





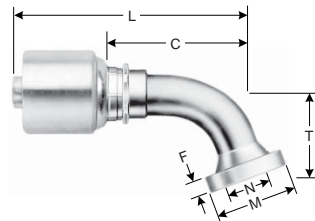
MegaCrimp® Couplings

Code 61 O-Ring Flange - 45° Bent Tube



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
8G-8FL45	7100-04125	1/2	12.7	1/2	1.19	30.2	.78	19.8	3.70	94.0	2.22	56.5	.26	6.9	1	
8G-12FL45M	7103-27165	1/2	12.7	3/4	1.50	38.1	.78	19.8	3.70	94.0	2.22	56.5	.27	6.9	1	
12G-12FL45M	7103-27245	3/4	19.0	3/4	1.50	38.1	1.00	25.4	4.67	118.5	2.66	67.5	.27	6.9	1	
12G-16FL45S	7103-27315	3/4	19.0	1	1.75	44.4	1.00	25.4	4.67	118.5	2.66	67.5	.32	8.0	1	
16G-16FL45S	7103-27395	1	25.4	1	1.75	44.4	1.06	26.9	5.11	129.7	2.87	72.9	.32	8.0	1	
16G-20FL45S	7103-27475	1	25.4	1 1/4	2.00	50.8	1.06	26.9	5.10	129.5	2.86	72.7	.32	8.0	1	
16G-24FL45	7100-07185	1	25.4	1 1/2	2.38	60.3	1.06	26.9	5.30	134.6	3.05	77.7	.32	8.0	1	
20G-20FL45S	7103-27555	1 1/4	31.7	1 1/4	2.00	50.8	1.15	29.2	5.59	142.0	3.27	83.0	.32	8.0	1	
BULK PACK																
16G-16FL45SX BULK	7103-2739	1	25.4	1	1.75	44.4	1.06	26.9	5.11	129.7	2.87	72.9	.32	8.0	25	

Code 61 O-Ring Flange - 60° Bent Tube

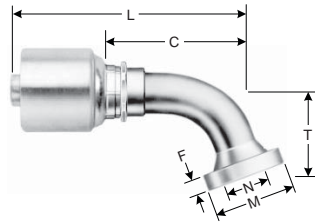


Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12G-12FL60M	7103-28155	3/4	19.0	3/4	1.50	38.1	1.41	35.8	4.61	117.0	2.60	66.0	.27	6.9	1	
12G-16FL60M	7103-28205	3/4	19.0	1	1.75	44.5	1.73	44.0	4.80	122.0	2.80	71.0	.32	8.0	1	
16G-16FL60M	7103-28255	1	25.4	1	1.75	44.5	1.73	44.0	5.85	148.5	3.61	91.7	.32	8.0	1	
20G-20FL60S	7103-28345	1 1/4	31.7	1 1/4	2.00	50.8	1.77	45.0	6.22	158.0	3.90	99.0	.32	8.0	1	



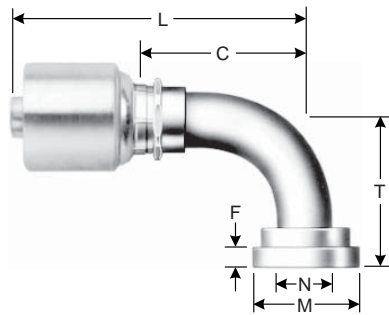


Code 61 O-Ring Flange - 67½° Bent Tube



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12G-12FL67M	7100-04355	3/4	19.0	3/4	1.50	38.1	1.65	42.0	4.65	118.0	2.64	67.0	.27	6.9	1	
20G-20FL67S	7100-04335	1 1/4	31.7	1 1/4	2.00	50.8	2.01	51.0	5.92	150.4	3.60	91.4	.32	8.0	1	

Code 61 O-Ring Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
8G-8FL90M	7103-29115	1/2	12.7	1/2	1.19	30.1	1.63	41.4	3.59	91.2	2.11	53.7	.27	6.9	1	
8G-12FL90M	7103-29235	1/2	12.7	3/4	1.50	38.1	1.63	41.4	3.60	91.5	2.13	54.0	.27	6.9	1	
10G-12FL90M	7100-04485	5/8	15.9	3/4	1.50	38.1	2.28	58.0	3.94	100.0	2.46	62.5	.27	6.9	1	
12G-12FL90M	7103-29535	3/4	19.0	3/4	1.50	38.1	2.13	54.1	4.40	111.7	2.39	60.7	.27	6.7	1	
12G-16FL90S	7103-29585	3/4	19.0	1	1.75	44.4	2.13	54.1	4.40	111.7	2.39	60.7	.32	8.0	1	
16G-12FL90M	7103-29655	1	25.4	3/4	1.50	38.1	1.97	50.0	5.09	129.3	2.85	72.5	.27	6.9	1	
16G-16FL90S	7103-29705	1	25.4	1	1.75	44.4	2.38	60.5	5.04	128.1	2.81	71.3	.32	8.0	1	
16G-20FL90S	7103-29765	1	25.4	1 1/4	2.00	50.8	2.38	60.5	5.04	128.1	2.81	71.3	.32	8.0	1	
16G-24FL90S-081	7100-04555	1	25.4	1/2	2.38	60.5	3.19	81.0	5.57	141.6	3.34	84.8	.32	8.0	1	
20G-20FL90-102	7100-04565	1 1/4	31.7	1 1/4	2.00	50.8	2.62	66.5	5.41	137.5	3.09	78.5	.32	8.0	1	
20G-20FL90M	7103-29895	1 1/4	31.8	1 1/4	2.00	50.8	3.54	89.9	5.30	134.9	2.98	75.9	.32	8.0	1	
20G-20FL90S	7103-29885	1 1/4	31.7	1 1/4	2.00	50.8	3.98	101.0	5.43	138.0	3.11	79.0	.32	8.0	1	
20G-24FL90S	7103-29945	1 1/4	31.7	1 1/2	2.38	60.5	2.62	66.5	5.67	144.0	3.35	85.0	.32	8.0	1	
BULK PACK																
8G-8FL90MXBULK	7103-2911	1/2	12.7	1/2	1.19	30.1	1.63	41.4	3.59	91.2	2.11	53.7	.27	6.9	50	
12G-12FL90MXBULK	7103-2953	3/4	19.0	3/4	1.50	38.1	2.13	54.1	4.40	111.7	2.39	60.7	.27	6.7	35	
16G-16FL90SXBULK	7103-2970	1	25.4	1	1.75	44.4	2.38	60.5	5.04	128.1	2.81	71.3	.32	8.0	20	
20G-20FL90SXBULK	7103-2988	1 1/4	31.7	1 1/4	2.00	50.8	3.98	101.0	5.43	138.0	3.11	79.0	.32	8.0	15	

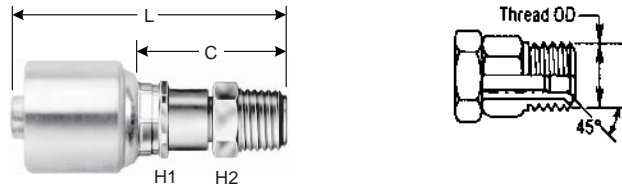
- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS**
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS





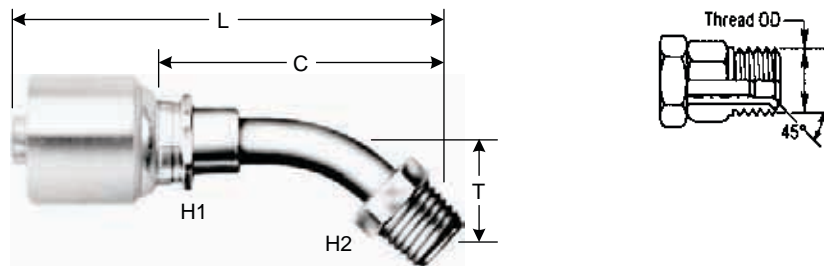
MegaCrimp® Couplings

SAE Male Inverted Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-4MIX	7100-16225	1/4	6.4	7/16-24	1/2	7/16	2.52	63.9	1.49	37.9	1
4G-5MIX	7100-16235	1/4	6.4	1/2-20	1/2	1/2	2.52	63.9	1.49	37.9	1
6G-4MIX	7100-16185	3/8	9.5	7/16-20	5/8	7/16	2.63	66.9	1.54	39.0	1
6G-5MIX	7100-16245	3/8	9.5	1/2-20	5/8	1/2	2.56	64.9	1.46	37.0	1
6G-6MIX	7100-16255	3/8	9.5	5/8-18	5/8	5/8	2.75	69.9	1.65	42.0	1
6G-7MIX	7100-16265	3/8	9.5	11/16-18	5/8	11/16	2.76	70.0	1.66	42.1	1
8G-6MIX	7100-06275	1/2	12.7	5/8-18	13/16	5/8	3.13	79.5	1.65	42.0	1
8G-8MIX	7100-06285	1/2	12.7	3/4-16	13/16	3/4	3.30	83.8	1.82	46.3	1
10G-10MIX	7100-06295	5/8	15.9	7/8-18	5/8	7/8	3.91	99.5	2.44	62.0	1
BULK PACK											
4G-4MIX XBULK	7100-16222	1/4	6.4	7/16-24	1/2	7/16	2.52	63.9	1.49	37.9	200
4G-5MIX XBULK	7100-16233	1/4	6.4	1/2-20	1/2	1/2	2.52	63.9	1.49	37.9	200
6G-5MIX XBULK	7100-16244	3/8	9.5	1/2-20	5/8	1/2	2.56	64.9	1.46	37.0	125
6G-6MIX XBULK	7100-16255	3/8	9.5	5/8-18	5/8	5/8	2.75	69.9	1.65	42.0	100
6G-7MIX XBULK	7100-16266	3/8	9.5	11/16-18	5/8	11/16	2.76	70.0	1.66	42.1	150
8G-8MIX XBULK	7100-06288	1/2	12.7	3/4-16	13/16	3/4	3.30	83.8	1.82	46.3	100

SAE Male Inverted Swivel - 45° Bent Tube

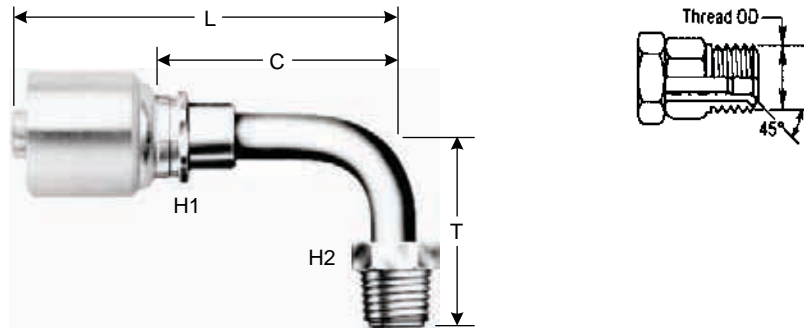


Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4G-3MIX45-018	7100-16275	1/4	6.4	3/8-24	1/2	3/8	.69	17.5	2.67	67.9	1.65	41.9	1
6G-4MIX45	7100-16305	3/8	9.5	7/16-24	5/8	7/16	1.00	25.4	3.17	80.5	2.07	52.6	1
6G-5MIX45	7100-16315	3/8	9.5	1/2-20	5/8	1/2	1.00	25.4	3.13	79.5	2.03	51.6	1
6G-6MIX45	7100-16325	3/8	9.5	5/8-18	5/8	5/8	1.00	25.4	3.32	84.3	2.22	56.4	1
6G-7MIX45	7100-16335	3/8	9.5	11/16-18	5/8	11/16	1.00	25.4	3.39	86.0	2.29	58.1	1
8G-8MIX45	7100-16345	1/2	12.7	3/4-18	13/16	3/4	1.14	29.0	4.17	106.0	2.70	68.5	1
10G-10MIX45	7100-16435	5/8	15.9	7/8-18	15/16	7/8	1.02	25.9	4.23	107.7	2.75	70.1	1
BULK PACK													
6G-6MIX45XBULK	7100-16322	3/8	9.5	5/8-18	5/8	5/8	1.00	25.4	3.32	84.3	2.22	56.4	150



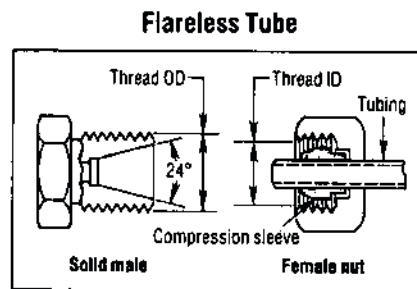
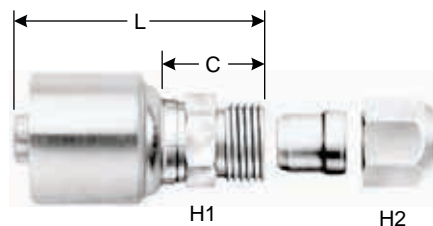


SAE Male Inverted Swivel - 90° Bent Tube



Descr.	Prod. No.	⌀		🌀	H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4MIX90	7100-16355	1/4	6.4	7/16-24	1/2	7/16	1.38	35.1	2.33	59.2	1.31	33.2	1
4G-5MIX90	7100-16365	1/4	6.4	1/2-20	1/2	1/2	1.38	35.1	2.46	62.5	1.44	36.5	1
5G-6MIX90-035	7100-16385	5/16	7.9	5/8-18	5/8	5/8	1.38	35.1	2.78	70.5	1.67	42.5	1
6G-4MIX90	7100-16395	3/8	9.5	7/16-24	5/8	7/16	1.38	35.1	2.44	62.0	1.34	34.1	1
6G-5MIX90	7100-16405	3/8	9.5	1/2-20	5/8	1/2	1.38	35.1	2.50	63.5	1.40	35.6	1
6G-6MIX90	7100-16415	3/8	9.5	5/8-18	5/8	5/8	1.38	35.1	2.80	71.0	1.70	43.1	1
6G-7MIX90	7100-16425	3/8	9.5	11/16-18	5/8	11/16	1.38	35.1	2.80	71.0	1.70	43.1	1
8G-8MIX90	7100-06435	1/2	12.7	3/4-18	13/16	3/4	1.64	41.7	3.29	83.5	1.81	46.0	1
10G-10MIX90	7100-06335	5/8	15.9	7/8-18	15/16	7/8	1.81	46.0	3.87	98.6	2.40	61.2	1
BULK PACK													
4G-4MIX90XBULK	7100-16355	1/4	6.4	7/16-24	1/2	7/16	1.38	35.1	2.33	59.2	1.31	33.2	175
6G-5MIX90XBULK	7100-16405	3/8	9.5	1/2-20	5/8	1/2	1.38	35.1	2.50	63.5	1.40	35.6	200
6G-6MIX90XBULK	7100-16415	3/8	9.5	5/8-18	5/8	5/8	1.38	35.1	2.80	71.0	1.70	43.1	100
6G-7MIX90XBULK	7100-16425	3/8	9.5	11/16-18	5/8	11/16	1.38	35.1	2.80	71.0	1.70	43.1	150

SAE Male Flareless Assembly



Descr.	Prod. No.	⌀		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-4MFA	7100-16445	1/4	6.4	7/16-20	1/2	9/16	1.95	49.5	.93	23.5	1
4G-5MFA	7100-16455	1/4	6.4	1/2-20	1/2	5/8	1.97	50.0	.94	24.0	1
5G-5MFA	7100-16515	5/16	7.9	1/2-20	5/8	5/8	2.13	54.0	1.02	26.0	1
5G-6MFA	7100-16505	5/16	7.9	9/16-18	5/8	11/16	2.21	56.1	1.11	28.1	1
6G-4MFA	7100-16465	3/8	9.5	7/16-20	5/8	7/8	20.50	52.0	.95	24.1	1
6G-5MFA	7100-16475	3/8	9.5	1/2-20	5/8	5/8	2.16	55.0	1.07	27.1	1




- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS**
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

MegaCrimp® Couplings

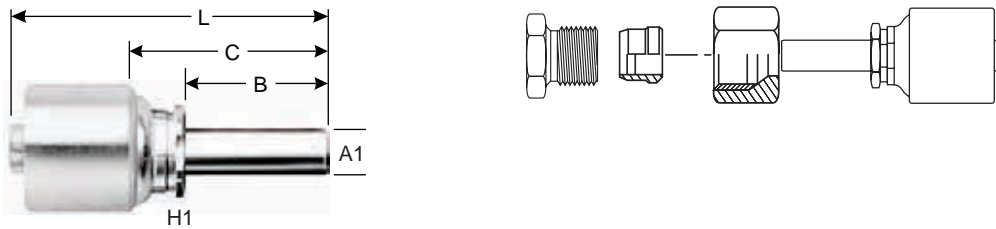


EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

SAE Male Flareless Assembly - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
6G-6MFA	7100-16485	3/8	9.5	9/16-18	5/8	11/16	2.07	52.5	.97	24.6	5
6G-8MFA	7100-16495	3/8	9.5	3/4-16	3/4	7/8	2.20	56.0	1.11	28.1	1
8G-8MFA	7100-06505	1/2	12.7	3/4-16	13/16	7/8	2.58	65.5	1.10	28.0	1
8G-10MFA	7100-06515	1/2	12.7	7/8-14	7/8	1	2.64	67.0	1.16	29.5	1
12G-12MFA	7100-06525	3/4	19.0	1 1/16-12	1 1/16	1 1/4	3.41	86.5	1.40	35.5	1
16G-16MFA	7100-06535	1	25.4	1 5/16	1 3/8	1 1/2	3.94	100.0	1.70	43.2	1
BULK PACK											
4G-4MFAXBULK	7100-1644	1/4	6.4	7/16-20	1/2	9/16	1.95	49.5	.93	23.5	150
4G-5MFAXBULK	7100-1645	1/4	6.4	1/2-20	1/2	5/8	1.97	50.0	.94	24.0	125
6G-4MFAXBULK	7100-1646	3/8	9.5	7/16-20	5/8	7/8	2.05	52.0	.95	24.1	150
6G-5MFAXBULK	7100-1647	3/8	9.5	1/2-20	5/8	5/8	2.16	55.0	1.07	27.1	150
6G-6MFAXBULK	7100-1648	3/8	9.5	9/16-18	5/8	11/16	2.07	52.5	.97	24.6	200
6G-8MFAXBULK	7100-1649	3/8	9.5	3/4-16	3/4	7/8	2.20	56.0	1.11	28.1	150
8G-8MFAXBULK	7100-0650	1/2	12.7	3/4-16	13/16	7/8	2.58	65.5	1.10	28.0	100
8G-10MFAXBULK	7100-0651	1/2	12.7	7/8-14	7/8	1	2.64	67.0	1.16	29.5	125
12G-12MFAXBULK	7100-0652	3/4	19.0	1 1/16-12	1 1/16	1 1/4	3.41	86.5	1.40	35.5	60
16G-16MFAXBULK	7100-0653	1	25.4	1 5/16	1 3/8	1 1/2	3.94	100.0	1.70	43.2	30

North American Stand Pipe



Descr.	Prod. No.	⊖		H1	L		C		B		A1	Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	
STANDARD PACK												
4G-4NASP	7100-08305	1/4	6.4	1/2	2.26	57.5	1.24	31.5	.88	22.4	1/4	1
6G-6NASP	7100-08335	3/8	9.5	5/8	2.34	59.5	1.24	31.6	.88	22.4	3/8	1
8G-8NASP	7100-08365	1/2	12.7	13/16	2.87	73.0	1.40	35.5	1.00	25.4	1/2	1
12G-12NASP	7100-08435	3/4	19.0	1 1/16	3.58	91.0	1.57	40.0	1.16	29.5	3/4	1
16G-16NASP	7100-08465	1	25.4	1 7/16	3.86	98.0	1.62	41.2	1.12	28.4	1	1

Female Flareless Sleeve



Descr.	Prod. No.	A1	Std. Pack
STANDARD PACK			
4FFS	7334-40555	1/4	5
5FFS	7334-40565	5/16	5
6FFS	7334-40575	3/8	5
8FFS	7334-40435	1/2	5






Female Flareless Sleeve - Cont'd

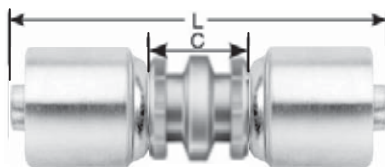
Descr.	Prod. No.	A1	Std. Pack
		"	
10FFS	7334-40585	5/8	1
12FFS	7334-40595	3/4	1
16FFS	7334-40605	1	1


Female Flareless Nut



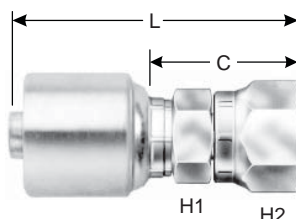
Descr.	Prod. No.	A1		H1	Std. Pack
		"		"	
STANDARD PACK					
4FFN	7334-40495	1/4	7/16-20	9/16	5
5FFN	7334-40505	5/16	1/2-20	5/8	5
6FFN	7334-40515	3/8	9/16-18	11/16	5
8FFN	7334-40425	1/2	3/4-16	7/8	5
10FFN	7334-40525	5/8	7/8-14	1	1
12FFN	7334-40535	3/4	1 1/16-12	1 1/4	1
16FFN	7334-40545	1	1 5/16-12	1 1/2	1


Hose Length Extender



Descr.	Prod. No.	⊖			L		C		Std. Pack
		"	mm		"	mm	"	mm	
STANDARD PACK									
20G-20HLE	7101-50705	1 1/4	31.7	1 1/4	5.96	151.5	1.32	33.5	1

Female Air Brake Swivel



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
6G-6FABX	7100-13095	3/8	9.5	3/4-20	3/4	7/8	2.41	61.2	1.31	33.3	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





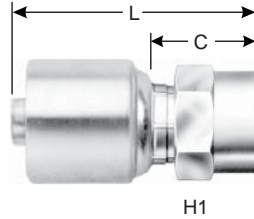
MegaCrimp® Couplings

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
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NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Female Air Brake Swivel - Cont'd

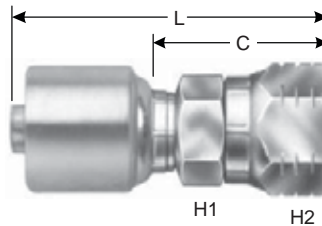
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
8G-6FABX	7100-13105	1/2	12.7	3/4-20	13/16	7/8	2.48	63.0	1.00	25.5	1
8G-8FABX	7100-13125	1/2	12.7	7/8-20	13/16	1 1/16	3.02	76.7	1.19	30.2	1

Female Grease



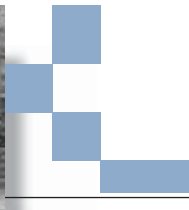
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4G-8FG	7100-09605	1/4	6.4	1/2-27	11/16	—	1.87	47.5	.85	21.5	1
6G-8FG	7100-09615	3/8	9.5	1/2-27	11/16	—	1.93	49.1	.83	21.2	1

Female Parker Triple Thread Flare

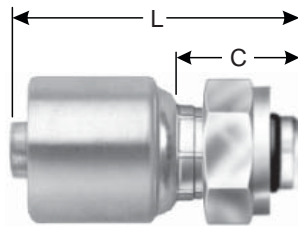



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
16G-16FZX	7100-00015	1	25.4	1 5/16-14	1 3/8	1 1/2	3.98	101.0	1.74	44.3	1



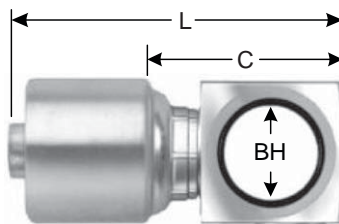


Pressure Wash Swivel



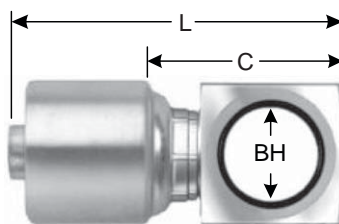
Descr.	Prod. No.	⊖			L		C		Std. Pack
		"	mm		"	mm	"	mm	
STANDARD PACK									
4G-6PWX	7100-02905	1/4	6.4	M22X1.5	2.52	64.0	1.50	38.0	1
6G-6PWX	7100-02915	3/8	9.5	M22X1.5	2.60	66.0	1.50	38.1	1

International Thread British Std Pipe Banjo



Descr.	Prod. No.	⊖		L		C		BH	Std. Pack
		"	mm	"	mm	"	mm		
STANDARD PACK									
4G-4BSPBJ	7100-92565	1/4	6.4	2.10	53.4	1.19	30.3	13.2	1
6G-6BSPBJ	7100-92575	3/8	9.5	2.20	55.8	1.30	32.4	16.8	1
8G-8BSPBJ	7100-92925	1/2	12.7	2.80	70.7	1.50	38.2	21.0	1

International Thread Metric 7642 DIN Banjo



Descr.	Prod. No.	⊖		L		C		BH	Std. Pack
		"	mm	"	mm	"	mm		
STANDARD PACK									
4G-12DBJ	7100-91195	1/4	6.4	2.06	51.4	1.11	28.3	12.1	1
6G-12DBJ	7100-98125	1/2	12.7	2.20	56.0	1.11	28.1	12.1	1
6G-14DBJ	7100-91275	3/8	9.5	2.29	58.3	1.19	30.4	14.1	1
6G-16DBJ	7100-91285	3/8	9.5	2.20	55.8	1.27	32.4	16.1	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

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POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



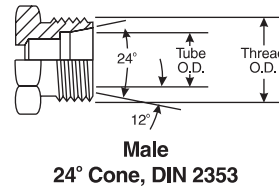
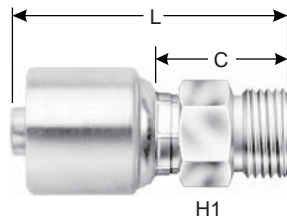


MegaCrimp® Couplings

International Thread Metric 7642 DIN Banjo - Cont'd

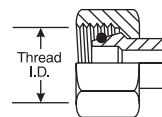
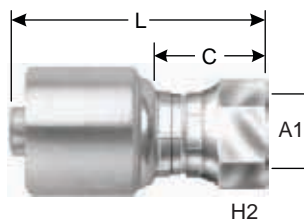
Descr.	Prod. No.	⊖		L		C		BH	Std. Pack
		"	mm	"	mm	"	mm		
6G-18DBJ	7100-91295	3/8	9.5	2.27	57.8	1.35	34.4	18.1	1
8G-18DBJ	7100-91305	1/2	12.7	2.64	67.2	1.37	34.7	18.1	1
12G-26DBJ	7100-93895	3/4	19.0	3.73	94.7	3.23	82.1	26.1	1
16G-30DBJ	7100-94995	1	25.1	4.30	109.2	2.06	52.4	30.1	1

Male DIN 24° Cone - Light Series



Descr.	Prod. No.	⊖		M	H1	H2	L		C		Std. Pack	
		"	mm				"	mm	"	mm		
STANDARD PACK												
C14 COUPLINGS	4G-6MDL	7100-92685	1/4	6.4	M12X1.5	14.0	—	1.69	42.9	.78	19.8	1
	4G-8MDL	7100-14835	1/4	6.4	M14X1.5	17.0	—	1.97	50.0	.94	24.0	1
	4G-10MDL	7100-14845	1/4	6.4	M16X1.5	17.0	—	2.01	51.0	.98	25.0	1
PCTS THERMO-PLASTIC COUPLINGS	6G-10MDL	7100-14865	3/8	9.5	M16X1.5	17.0	—	2.07	52.5	.97	24.6	1
	6G-12MDL	7100-14875	3/8	9.5	M18X1.5	19.0	—	2.07	52.5	.97	24.6	1
	6G-15MDL	7100-92695	3/8	9.5	M22X1.5	24.0	—	1.86	47.3	.94	23.9	1
FIELD ATTACHABLE G1 & G2 COUPLINGS	8G-15MDL	7100-04885	1/2	12.7	M22X1.5	24.0	—	2.56	65.0	1.08	27.5	1
	10G-18MDL	7100-04895	5/8	15.8	M26X1.5	27.0	—	2.56	65.0	1.08	27.5	1
	10G-22MDL	7100-04935	5/8	15.9	M30X2.0	32.0	—	2.73	69.6	1.26	32.3	1
	12G-22MDL	7100-04905	3/4	19.0	M30X2.0	32.0	—	3.27	83.0	1.26	32.0	1
	16G-28MDL	7100-04915	1	15.8	M36X2.0	32.0	—	1.26	32.0	3.27	83.0	1
20G-35MDL	7100-04925	1 1/4	31.8	M45X2.0	46.0	—	3.90	99.3	1.58	40.4	1	
BULK PACK												
FIELD ATTACHABLE C5 COUPLINGS	6G-10MDLXBULK	7100-1486	3/8	9.5	M16X1.5	17.0	—	2.07	52.5	.97	24.6	125
	6G-12MDLXBULK	7100-1487	3/8	9.5	M18X1.5	19.0	—	2.07	52.5	.97	24.6	150

Female DIN 24° Cone Swivel - Light Series with O-Ring




Descr.	Prod. No.	⊖		M	H1	H2	L		C		A1	Std. Pack	
		"	mm				"	mm	"	mm			
STANDARD PACK													
EQUIPMENT AND PARTS	4G-6FDLORX	7100-92135	1/4	6.4	M12X1.5	—	14.0	1.92	48.7	1.01	25.8	6.0	1
	4G-8FDLORX	7100-91995	1/4	6.4	M14X1.5	—	17.0	2.02	51.3	1.12	28.4	8.0	1

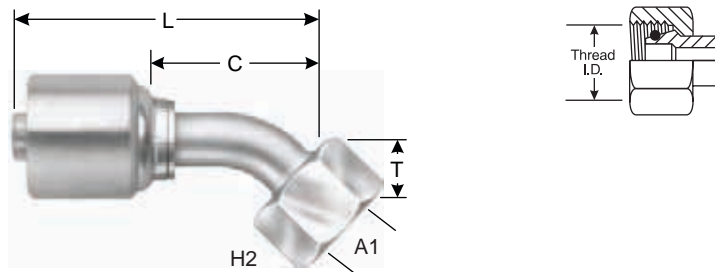





Female DIN 24° Cone Swivel - Light Series with O-Ring - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	mm	
4G-10FDLORX	7100-92145	1/4	6.4	M16X1.5	—	19.0	2.17	55.2	1.15	29.3	10.0	1
4G-12FDLORX	7100-92865	1/4	6.4	M18X1.5	—	22.0	2.07	52.6	1.17	29.7	12.0	1
5G-10FDLORX	7100-92015	5/16	7.9	M16X1.5	—	19.0	2.12	53.9	1.17	29.7	10.0	1
5G-12FDLORX	7100-92035	5/16	7.9	M18X1.5	—	22.0	2.13	54.1	1.18	29.9	12.0	1
6G-10FDLORX	7100-92175	3/8	9.5	M16X1.5	—	19.0	2.06	52.3	1.15	29.2	10.0	1
6G-12FDLORX	7100-92055	3/8	9.5	M18X1.5	—	22.0	2.09	53.0	1.18	29.9	12.0	1
8G-15FDLORX	7100-92075	1/2	12.7	M22X1.5	—	27.0	2.43	61.8	1.16	29.3	15.0	1
10G-18FDLORX	7100-92095	5/8	15.8	M26X1.5	—	32.0	2.36	60.0	1.19	30.3	18.0	1
12G-18FDLORX	7100-92825	3/4	19.0	M30X2.0	—	32.0	2.70	68.5	1.18	30.0	18.0	1
12G-22FDLORX	7100-92115	3/4	19.0	M30X2.0	—	36.0	2.79	70.8	1.27	32.3	22.0	1
16G-28FDLORX	7100-92205	1	25.4	M36X2.0	—	41.0	3.21	81.6	1.45	36.7	28.0	1
20G-35FDLORX	7100-92215	1 1/4	31.8	M45X2.0	—	36.0	3.56	90.3	1.74	44.1	35.0	1
20G-42FDLORX	7100-95305	1 1/4	31.8	M48X2.0	—	60.0	4.25	108.0	1.93	49.0	—	1
BULK PACK												
4G-8FDLORX XBULK	7100-9199	1/4	6.4	M14X1.5	—	17.0	2.02	51.3	1.12	28.4	8.0	200
4G-12FDLORX XBULK	7100-9286	1/4	6.4	M18X1.5	—	22.0	2.07	52.6	1.17	29.7	12.0	200
6G-10FDLORX XBULK	7100-9217	3/8	9.5	M16X1.5	—	19.0	2.06	52.3	1.15	29.2	10.0	230
6G-12FDLORX XBULK	7100-9205	3/8	9.5	M18X1.5	—	22.0	2.09	53.0	1.18	29.9	12.0	200
8G-15FDLORX XBULK	7100-9207	1/2	12.7	M22X1.5	—	27.0	2.43	61.8	1.16	29.3	15.0	100
10G-18FDLORX XBULK	7100-9209	5/8	15.8	M26X1.5	—	32.0	2.36	60.0	1.19	30.3	18.0	100
12G-22FDLORX XBULK	7100-9211	3/4	19.0	M30X2.0	—	36.0	2.79	70.8	1.27	32.3	22.0	60

Female DIN 24° Cone Swivel - Light Series with O-Ring - 45° Bent Tube



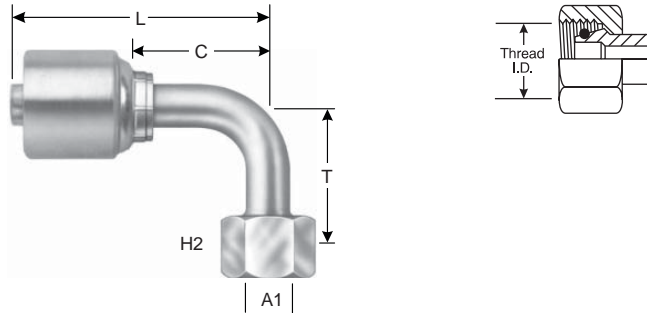
Descr.	Prod. No.	⊖			H1	H2	T		L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	
STANDARD PACK														
4G-8FDLORX45	7100-91855	1/4	6.4	M14X1.5	—	17.0	.64	16.2	2.34	59.5	1.44	36.5	8.0	1
4G-10FDLORX45	7100-92265	1/4	6.4	M16X1.5	—	19.0	.70	17.9	2.41	61.3	1.51	38.3	10.0	1
5G-10FDLORX45	7100-91895	5/16	7.9	M16X1.5	—	19.0	.67	17.1	2.50	63.4	1.55	39.3	10.0	1
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	1
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	1
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	1
8G-15FDLORX45	7100-91935	1/2	12.7	M22X1.5	—	27.0	.79	20.2	3.13	79.5	1.85	47.1	15.0	1
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	1
12G-22FDLORX45	7100-91975	3/4	19.0	M30X2.0	—	36.0	1.17	29.8	4.12	104.6	2.60	66.1	22.0	1
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
20G-35FDLORX45	7100-92335	1 1/4	31.7	M45X2.0	—	50.0	1.48	37.5	5.48	139.3	3.68	93.4	35.0	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBAL SPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



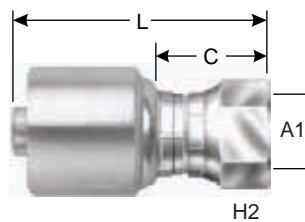
MegaCrimp® Couplings

Female DIN 24° Cone Swivel - Light Series with O-Ring - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	
STANDARD PACK														
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	1
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	1
4G-10FDLORX90	7100-92385	1/4	6.4	M16X1.5	—	19.0	1.44	36.5	2.14	54.5	1.24	31.5	10.0	1
5G-10FDLORX90	7100-91725	5/16	9.5	M16X1.5	—	19.0	1.44	36.5	2.31	58.6	1.35	34.4	10.0	1
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	1
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	1
8G-15FDLORX90	7100-91765	1/2	12.7	M22X1.5	—	27.0	1.65	42.0	2.87	72.8	1.59	40.4	15.0	1
10G-18FDLORX90	7100-91785	5/8	15.8	M26X1.5	—	32.0	2.03	51.5	3.04	77.3	1.87	47.6	18.0	1
12G-22FDLORX90	7100-91805	3/4	19.0	M30X2.0	—	36.0	2.44	62.0	3.73	94.8	2.22	56.3	22.0	1
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
20G-35FDLORX90	7100-92455	1 1/4	31.8	M45X2.0	—	36.0	3.15	80.0	5.07	128.8	3.26	82.8	35.0	1
BULK PACK														
4G-8FDLORX90XBULK	7100-9168	1/4	6.4	M12X1.5	—	17.0	1.38	35.0	2.15	54.5	1.24	31.5	8.0	250
6G-12FDLORX90XBULK	7100-9170	3/8	9.5	M18X1.5	—	22.0	1.46	37.0	2.18	55.3	1.27	32.2	12.0	175
8G-15FDLORX90XBULK	7100-9176	1/2	12.7	M22X1.5	—	27.0	1.65	42.0	2.87	72.8	1.59	40.4	15.0	120
10G-18FDLORX90XBULK	7100-9178	5/8	15.8	M26X1.5	—	32.0	2.03	51.5	3.04	77.3	1.87	47.6	18.0	75

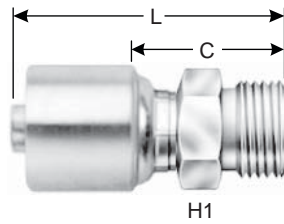
Female French GAZ Swivel



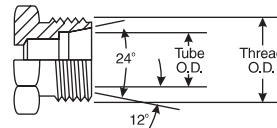
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
8G-17FFGX	7100-93555	1/2	12.7	M24X1.5	—	24.0	2.49	63.4	1.01	25.9	1



Male DIN 24° Cone - Heavy Series



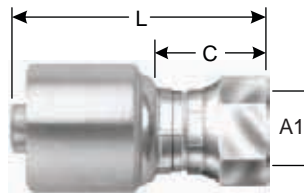
H1



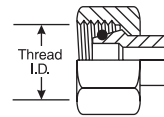
Male
24° Cone, DIN 2353

Descr.	Prod. No.	⊖			H1	H2	L		C		A1	Std. Pack
		"	mm				"	mm	"	mm		
STANDARD PACK												
4G-8MDH	7100-15315	1/4	6.4	M16X1.5	17.0	—	2.09	53.0	1.06	27.0	8.0	1
4G-10MDH	7100-15325	1/4	6.4	M18X1.5	19.0	—	2.07	52.5	1.04	26.5	10.0	1
5G-12MDH	7100-93015	5/16	7.9	M20X1.5	22.0	—	2.04	51.9	1.09	27.8	12.0	1
6G-10MDH	7100-15345	3/8	9.5	M18X1.5	19.0	—	2.07	52.5	.97	24.6	10.0	1
6G-12MDH	7100-15355	3/8	9.5	M20X1.5	24.0	—	2.26	57.5	1.17	29.6	12.0	1
6G-14MDH	7100-15365	3/8	9.5	M22X1.5	24.0	—	2.34	59.5	1.24	31.6	12.0	1
8G-12MDH	7100-94815	1/2	12.7	M20X1.5	24.0	—	2.42	61.5	1.14	29.0	12.0	1
8G-16MDH	7100-05375	1/2	12.7	M24X1.5	27.0	—	2.72	69.0	1.24	31.5	16.0	1
10G-20MDH	7100-05385	5/8	15.8	M30X2.0	32.0	—	2.89	73.5	1.42	36.0	20.0	1
12G-20MDH	7100-92755	3/4	19.1	M30X2.0	32.0	—	2.85	72.3	1.33	33.9	20.0	1
12G-25MDH	7100-05395	3/4	19.0	M36X2.0	41.0	—	3.62	92.0	1.61	41.0	25.0	1
16G-30MDH	7100-92535	1	25.4	M42X2.0	16.0	—	3.48	88.3	1.67	42.4	30.0	1
20G-38MDH	7100-92545	1 1/4	31.7	M52X2.0	55.0	—	3.72	94.4	1.93	49.1	38.0	1

Female DIN 24° Cone Swivel - Heavy Series with O-Ring



H2



Descr.	Prod. No.	⊖			H1	H2	L		C		A1	Std. Pack
		"	mm				"	mm	"	mm		
STANDARD PACK												
4G-8FDHORX	7100-92005	1/4	6.4	M16X1.5	—	19.0	2.02	51.3	1.12	28.4	8.0	1
4G-10FDHORX	7100-92155	1/4	6.4	M18X1.5	—	22.0	2.06	52.2	1.15	29.3	10.0	1
4G-12FDHORX	7100-92875	5/16	7.9	M18X1.5	—	22.0	2.07	52.6	1.17	29.7	12.0	1
5G-12FDHORX	7100-92045	5/16	7.9	M20X1.5	—	24.0	2.28	58.0	1.18	30.0	12.0	1
5G-14FDHORX	7100-94835	5/16	7.9	M22X1.5	—	27.0	2.11	53.6	1.18	30.0	14.0	1
6G-10FDHORX	7100-92185	3/8	9.5	M18X1.5	—	22.0	2.06	52.3	1.15	29.2	10.0	1
6G-12FDHORX	7100-92065	3/8	9.5	M20X1.5	—	24.0	2.09	53.0	1.18	29.9	12.0	1
6G-14FDHORX	7100-93305	3/8	9.5	M22X1.5	—	27.0	2.19	55.6	1.28	32.5	14.0	1
8G-12FDHORX	7100-93335	1/2	12.7	M20X1.5	—	24.0	2.76	70.2	1.29	32.7	12.0	1
8G-14FDHORX	7100-94795	1/2	12.7	M22X1.5	—	27.0	2.56	65.0	1.28	32.5	14.0	1
8G-16FDHORX	7100-92085	1/2	12.7	M24X1.5	—	30.0	2.60	66.1	1.32	33.6	16.0	1
10G-20FDHORX	7100-92105	5/8	15.9	M30X1.5	—	36.0	2.67	67.9	1.51	38.2	20.0	1
12G-20FDHORX	7100-96675	3/4	19.1	M30X2.0	—	36.0	3.61	91.7	1.60	40.7	20.0	1


EQUIPMENT
HOSE/CPLG. SELECTION
GLOBAL SPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



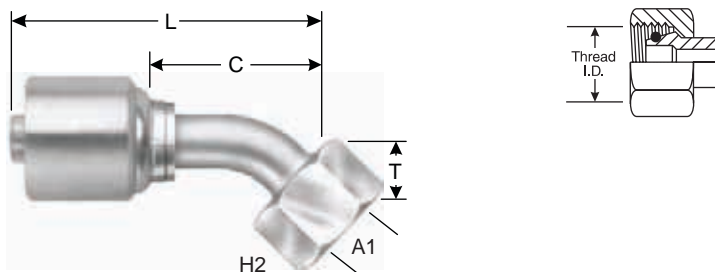



MegaCrimp® Couplings

Female DIN 24° Cone Swivel - Heavy Series with O-Ring - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	mm	
12G-25FDHORX	7100-92125	3/4	19.0	M36X2.0	—	46.0	3.19	81.1	1.68	42.6	25.0	1
16G-25FDHORX	7100-93215	1	25.4	M42X2.0	—	46.0	4.04	102.5	1.80	45.7	25.0	1
16G-30FDHORX	7100-92235	1	25.4	M42X2.0	—	50.0	3.70	94.1	1.94	49.2	30.0	1
20G-38FDHORX	7100-92245	1 1/4	31.7	M52X2.0	—	60.0	4.10	104.0	2.28	57.8	38.0	1
BULK PACK												
4G-10FDHXORX XBULK	7100-9215	1/4	6.4	M18X1.5	—	22.0	2.06	52.2	1.15	29.3	10.0	150
6G-12FDHORX XBULK	7100-9206	3/8	9.5	M20X1.5	—	24.0	2.09	53.0	1.18	29.9	12.0	150
8G-16FDHORX XBULK	7100-9208	1/2	12.7	M24X1.5	—	30.0	2.60	66.1	1.32	33.6	16.0	100
16G-25FDHORX XBULK	7100-9321	1	25.4	M42X2.0	—	46.0	4.04	102.5	1.80	45.7	25.0	30
16G-30FDHORX XBULK	7100-9223	1	25.4	M42X2.0	—	50.0	3.70	94.1	1.94	49.2	30.0	30

Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube



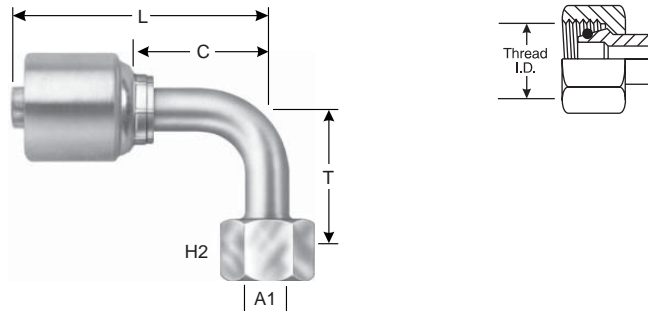
Descr.	Prod. No.	⊖			H1	H2	T		L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	
STANDARD PACK														
4G-8FDHORX45	7100-91865	1/4	6.4	M16X1.5	—	19.0	.64	16.2	2.34	59.5	1.44	36.5	8.0	1
6G-12FDHORX45	7100-91885	3/8	9.5	M20X1.5	—	24.0	.74	18.9	2.52	64.0	1.61	40.9	12.0	1
8G-14FDHORX45	7100-94855	1/2	12.7	M22X1.5	—	27.0	1.11	28.3	3.40	86.4	2.13	54.0	14.0	1
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	1
10G-20FDHORX45	7100-91965	5/8	15.9	M30X1.5	—	36.0	.98	24.9	3.36	85.4	2.19	55.7	20.0	1
12G-25FDHORX45	7100-91985	3/4	19.0	M36X2.0	—	46.0	1.23	31.2	4.17	106.0	2.66	67.5	25.0	1

- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



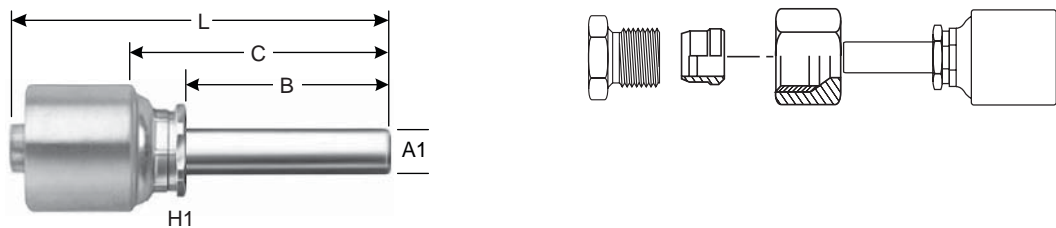


Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		A1	Std. Pack	
		"	mm					"	mm	"	mm			
STANDARD PACK														
4G-8FDHORX90	7100-91695	1/4	6.4	M16X1.5	—	19.0	1.38	35.0	2.14	54.5	1.24	31.5	8.0	1
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	1
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	1
5G-14FDHORX90	7100-94845	5/16	7.9	M22X1.5	—	24.0	1.57	40.0	2.15	54.6	1.22	31.0	14.0	1
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	1
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	1
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	1
8G-14FDHORX90	7100-95325	1/2	12.7	M22X1.5	—	27.0	2.01	51.0	2.71	69.1	1.45	36.8	14.0	1
8G-16FDHORX90	7100-91775	1/2	12.7	M24X1.5	—	30.0	1.73	44.0	2.87	72.8	1.59	40.4	16.0	1
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	1
10G-25FDHORX90	7100-94825	5/8	15.8	M36X2.0	—	46.0	2.52	64.0	3.31	84.1	1.83	46.6	25.0	1
12G-20FDHORX90	7100-93035	3/4	19.0	M30X2.0	—	36.0	2.01	51.0	3.46	87.8	1.94	49.3	20.0	1
12G-25FDHORX90	7100-91815	3/4	19.0	M36X2.0	—	46.0	2.52	64.0	3.73	94.8	2.22	56.3	25.0	1
16G-25FDHORX90	7100-94925	1	25.4	M36X2.0	—	46.0	2.99	76.0	5.43	137.8	4.92	125.9	25.0	1
BULK PACK														
4G-10FDHORX90XBULK	7100-9239	1/4	6.4	M18X1.5	—	22.0	1.44	36.5	2.15	54.5	1.24	31.5	10.0	200

Metric Light Stand Pipe



Descr.	Prod. No.	⊖		H1	L		C		B		A1	Std. Pack
		"	mm		"	mm	"	mm	"	mm		
STANDARD PACK												
4G-6MSP	7100-93355	1/4	6.4	1/2	2.24	57.0	1.22	31.0	.87	22.0	6.0	1
4G-8MSP	7100-93365	1/4	6.4	1/2	2.24	57.0	1.22	31.0	.87	22.0	8.0	1
4G-10MSP	7100-93375	1/4	6.4	1/2	2.54	64.5	1.51	38.5	.87	22.0	8.0	1
6G-10MSP	7100-90325	3/8	9.5	5/8	2.34	59.5	1.24	31.6	.91	23.0	10.0	1
6G-12MSP	7100-90005	3/8	9.5	5/8	2.34	59.5	1.24	31.6	.91	23.0	12.0	1
8G-15MSP	7100-90045	1/2	12.7	13/16	2.81	71.5	1.34	34.0	.98	25.0	15.0	1



EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



MegaCrimp® Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

Metric Light Stand Pipe - Cont'd

Descr.	Prod. No.	⊖		H1	L		C		B		A1	Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	mm	
10G-18MSP	7100-93405	5/8	15.8	15/16	3.04	77.2	1.56	39.7	.98	25.0	18.0	1
10G-22MSP	7100-95335	5/8	15.8	15/16	3.11	79.0	1.63	41.5	.98	25.0	22.0	1
12G-18MSP	7100-95345	3/4	19.0	1 1/16	3.44	87.5	1.44	36.5	1.02	26.0	18.0	1
12G-22MSP	7100-93465	3/4	19.0	1 1/16	3.50	89.0	1.50	38.0	1.10	28.0	22.0	1
16G-28MSP	7100-95355	1	25.4	1 7/16	3.90	99.0	1.66	42.2	1.18	30.0	28.0	1


Metric Bite Sleeve



Descr.	Prod. No.	A1	Std. Pack
		mm	
STANDARD PACK			
6BS	7253-26815	6.0	5
8BS	7253-26835	8.0	5
10BS	7253-26855	10.0	1
12BS	7253-26875	12.0	1
14BS	7253-26895	14.0	1
15BS	7253-26905	15.0	1
16BS	7253-26915	16.0	1
18BS	7253-26925	18.0	1
20BS	7253-26935	20.0	1
22BS	7253-26945	22.0	1
25BS	7253-26955	25.0	1
28BS	7253-26965	28.0	1
30BS	7253-26975	30.0	1
35BS	7253-26985	35.0	1
38BS	7253-26995	38.0	1
42BS	7253-27005	42.0	1

Metric Bite Nut




Descr.	Prod. No.		A1	Std. Pack
			mm	
STANDARD PACK				
6MNH	7253-27115	M14X1.5	6.0	5
6MNL	7253-27105	M12X1.5	6.0	5
8MNH	7253-27135	M16X1.5	8.0	5
8MNL	7253-27125	M14X1.5	8.0	5
10MNH	7253-27155	M18X1.5	10.0	1
10MNL	7253-27145	M16X1.5	10.0	1
12MNH	7253-27175	M20X1.5	12.0	1
12MNL	7253-27165	M18X1.5	12.0	1
14MNH	7253-27195	M22X1.5	15.0	1
15MNL	7253-27185	M22X1.5	14.0	1

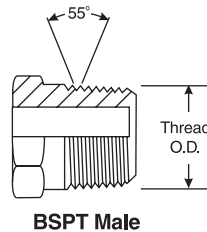
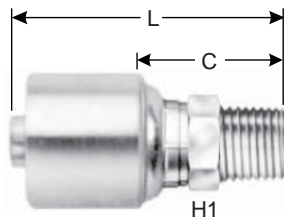





Metric Bite Nut - Cont'd

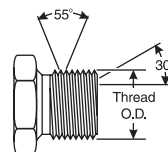
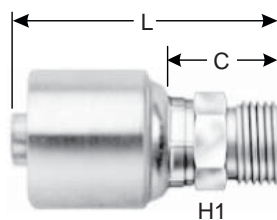
Descr.	Prod. No.		A1	Std. Pack
			mm	
16MNH	7253-27205	M24X1.5	16.0	1
18MNL	7253-27215	M26X1.5	18.0	1
20MNH	7253-27225	M30X1.5	20.0	1
22MNL	7253-27235	M30X1.5	22.0	1
25MNH	7253-27245	M36X1.5	25.0	1
28MNL	7253-27255	M36X1.5	28.0	1
30MNH	7253-27265	M42X1.5	30.0	1
35MNL	7253-27275	M45X1.5	35.0	1
38MNH	7253-27285	M52X1.5	38.0	1
42MNL	7253-27295	M52X1.5	42.0	1


Male British Standard Pipe Tapered/Japanese Tapered Thread



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-4MBSPT	7100-91075	1/4	6.4	1/4-19	14.0	—	1.89	47.9	.97	24.8	1
6G-6MBSPT	7100-91105	3/8	9.5	3/8-19	19.0	—	1.95	49.5	1.03	26.1	1
8G-8MBSPT	7100-91125	1/2	12.7	1/2-14	22.0	—	2.49	63.4	1.22	30.9	1
12G-12MBSPT	7100-91145	3/4	19.0	3/4-14	32.0	—	2.92	74.1	1.41	35.7	1
16G-16MBSPT	7100-91155	1	25.4	1-11	36.0	—	3.44	87.5	1.64	41.6	1

Male British Standard Parallel Pipe



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-4MBSPP	7100-15515	1/4	6.4	1/4-19	19.0	—	2.11	53.5	1.08	27.5	1
6G-4MBSPP	7100-98255	3/8	9.5	1/4-19	19.0	—	2.04	52.0	.94	24.1	1
6G-6MBSPP	7100-15525	3/8	9.5	3/8-19	22.0	—	2.17	55.0	1.07	27.1	1
6G-8MBSPP	7100-15535	3/8	9.5	1/2-14	27.0	—	2.36	60.0	1.26	32.1	1
8G-6MBSPP	7100-93245	1/8	12.7	3/8-19	22.0	—	2.30	58.5	1.02	26.0	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLAR SEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



MegaCrimp® Couplings

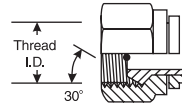
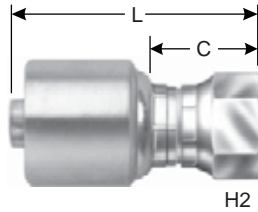


Male British Standard Parallel Pipe - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
8G-8MBSPP	7100-05545	1/2	12.7	1/2-14	27.0	—	2.72	69.0	1.24	31.5	1
10G-10MBSPP	7100-05555	5/8	15.8	5/8-14	30.0	—	2.89	73.5	1.41	36.0	1
12G-12MBSPP	7100-05565	3/4	19.0	3/4-14	32.0	—	3.35	85.0	1.34	34.0	1
16G-16MBSPP	7100-05575	1	25.4	1-11	41.0	—	3.98	101.0	1.74	44.2	1
20G-20MBSPP	7100-05585	1 1/4	31.8	1 1/4-11	50.0	—	4.33	110.0	2.00	51.0	1

Female British Standard Parallel Pipe O-Ring Swivel

Includes O-Ring sealing in flare.



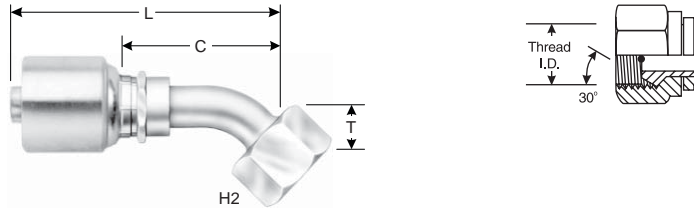
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-2FBSPX	7100-93285	1/4	6.4	1/8-28	—	14.0	1.62	41.1	.71	18.0	1
4G-4FBSPORX	7100-94175	1/4	6.4	1/4-19	—	19.0	1.57	39.9	.67	17.0	1
4G-6FBSPORX	7100-94185	1/4	6.4	3/8-19	—	22.0	1.57	39.9	.67	17.0	1
5G-6FBSPORX	7100-94195	5/16	7.9	3/8-19	—	22.0	1.66	42.2	.71	18.1	1
5G-8FBSPORX	7100-94205	5/16	7.9	1/2-14	—	27.0	2.16	54.8	1.06	26.8	1
6G-6FBSPORX	7100-94215	3/8	9.5	3/8-19	—	22.0	1.61	41.0	.70	17.9	1
6G-8FBSPORX	7100-94225	3/8	9.5	1/2-14	—	27.0	1.58	40.2	.67	17.1	1
8G-6FBSPORX	7100-94235	1/2	12.7	3/8-19	—	22.0	2.62	66.5	1.14	29.0	1
8G-8FBSPORX	7100-94245	1/2	12.7	1/2-14	—	27.0	2.53	64.2	1.05	26.7	1
8G-10FBSPORX	7100-94255	1/2	12.7	5/8-14	—	27.0	2.68	68.0	1.20	30.5	1
10G-10FBSPORX	7100-94265	5/8	15.8	5/8-14	—	30.0	1.92	48.8	.75	19.1	1
10G-12FBSPORX	7100-94275	5/8	15.8	3/4-14	—	32.0	1.99	50.5	.82	20.8	1
12G-12FBSPORX	7100-94285	3/4	19.0	3/4-14	—	32.0	2.34	59.5	.83	21.0	1
12G-16FBSPORX	7100-94295	3/4	19.0	1-11	—	41.0	3.43	87.0	1.42	36.0	1
16G-16FBSPORX	7100-94305	1	25.4	1-11	—	41.0	2.76	70.1	.99	25.2	1
20G-20FBSPORX	7100-94315	1 1/4	31.7	1 1/4-11	—	50.0	2.97	75.5	1.16	29.5	1
BULK PACK											
4G-4FBSPORX XBULK	7100-9417	1/4	6.4	1/4-19	—	19.0	1.57	39.9	.67	17.0	200
6G-6FBSPORX XBULK	7100-9421	3/8	9.5	3/8-19	—	22.0	1.61	41.0	.70	17.9	200
8G-8FBSPORX XBULK	7100-9424	1/2	12.7	1/2-14	—	27.0	2.53	64.2	1.05	26.7	100
10G-10FBSPORX XBULK	7100-9426	5/8	15.8	5/8-14	—	30.0	1.92	48.8	.75	19.1	70
12G-12FBSPORX XBULK	7100-9428	3/4	19.0	3/4-14	—	32.0	2.34	59.5	.83	21.0	60
16G-16FBSPORX XBULK	7100-9430	1	25.4	1-11	—	41.0	2.76	70.1	.99	25.2	25





Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube

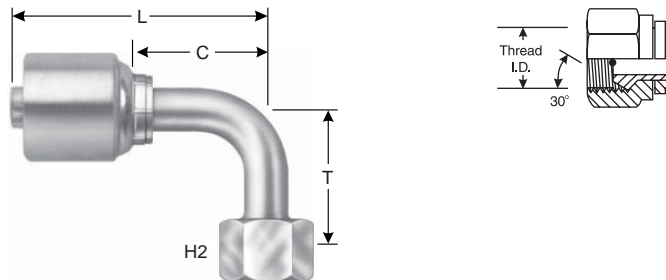
Includes O-Ring sealing in flare.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4FBSPORX45	7100-91445	1/4	6.4	1/4-19	—	19.0	.46	11.6	2.13	54.0	1.22	31.1	1
6G-6FBSPORX45	7100-91475	3/8	9.5	3/8-19	—	22.0	.61	15.4	2.44	62.1	1.54	39.1	1
6G-8FBSPORX45	7100-91485	3/8	9.5	1/2-14	—	27.0	.76	19.3	2.60	66.1	1.69	43.0	1
8G-8FBSPORX45	7100-91495	1/2	12.7	1/2-14	—	27.0	.67	17.0	3.01	76.5	1.73	44.0	1
10G-10FBSPORX45	7100-91505	5/8	15.9	3/4-14	—	30.0	.84	21.3	3.22	81.8	2.05	52.1	1
12G-12FBSPORX45	7100-91525	3/4	19.0	3/4-14	—	32.0	1.11	28.3	4.05	102.9	2.54	64.4	1
16G-16FBSPORX45	7100-91535	1	25.4	1-11	—	41.0	1.22	30.9	4.87	123.6	3.10	78.8	1
20G-20FBSPORX45	7100-92715	1 1/4	31.7	1 1/4-11	—	50.0	1.48	37.5	5.50	139.6	3.68	93.4	1

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		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4FBSPORX90	7100-91545	1/4	6.4	1/4-19	—	19.0	.93	23.5	1.94	49.4	1.04	26.5	1
6G-6FBSPORX90	7100-91575	3/8	9.5	1/2-14	—	22.0	1.26	32.0	2.24	57.0	1.34	34.0	1
6G-8FBSPORX90	7100-91585	3/8	9.5	3/8-19	—	22.0	1.26	32.0	2.24	57.0	1.34	34.0	1
8G-8FBSPORX90	7100-91595	1/2	12.7	1/2-14	—	27.0	1.48	37.5	2.87	73.0	1.59	40.5	1
8G-10FBSPORX90	7100-93145	1/2	12.7	5/8-14	—	30.0	1.81	46.0	3.00	76.3	1.83	46.6	1
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	1
12G-12FBSPORX90	7100-91625	3/4	19.0	3/4-14	—	32.0	2.36	60.0	3.72	94.5	2.20	56.0	1
16G-16FBSPORX90	7100-91635	1	25.4	1-11	—	41.0	2.76	70.0	4.69	119.2	2.93	74.3	1
20G-20FBSPORX90	7100-91645	1 1/4	31.7	1 1/4-11	—	50.0	3.15	80.0	5.07	128.8	3.26	82.8	1
BULK PACK													
4G-4FBSPORX90XBULK	7100-9154	1/4	6.4	1/4-19	—	19.0	.93	23.5	1.94	49.4	1.04	26.5	200
6G-6FBSPORX90XBULK	7100-9157	3/8	9.5	1/2-14	—	22.0	1.26	32.0	2.24	57.0	1.34	34.0	150



EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



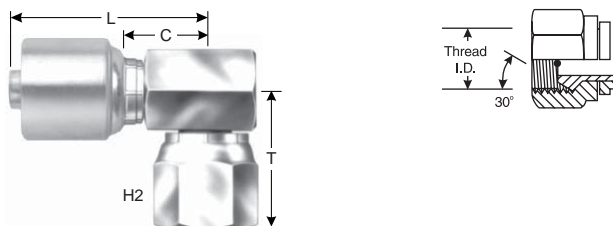
MegaCrimp® Couplings

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube - Cont'd

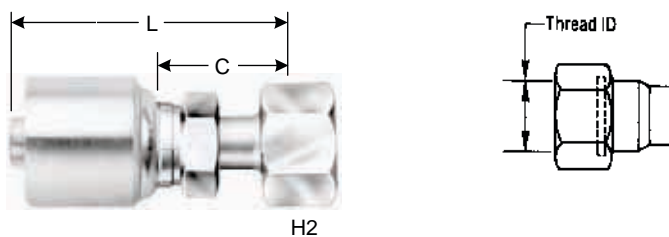
Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
8G-8FBSPORX90XBULK	7100-9159	1/2	12.7	1/2-14	—	27.0	1.48	37.5	2.87	73.0	1.59	40.5	100
12G-12FBSPORX90XBULK	7100-9162	3/4	19.0	3/4-14	—	32.0	2.36	60.0	3.72	94.5	2.20	56.0	40
16G-16FBSPORX90XBULK	7100-9163	1	25.4	1-11	—	41.0	2.76	70.0	4.69	119.2	2.93	74.3	25

Female British Standard Parallel Pipe O-Ring Swivel - 90° Block



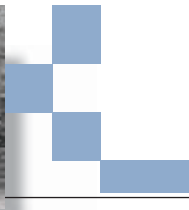
Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4FBSPORX90BL	7100-91825	1/4	6.4	1/4-19	—	3/4	.71	18.0	1.63	41.4	.72	18.2	1
6G-6FBSPORX90BL	7100-91835	3/8	9.5	3/8-19	—	7/8	.83	21.0	1.71	43.5	.79	20.0	1
8G-8FBSPORX90BL	7100-91845	1/2	12.7	1/2-14	—	1 1/16	.94	24.0	2.20	55.9	.93	23.5	1

Female British Flat-Face Swivel

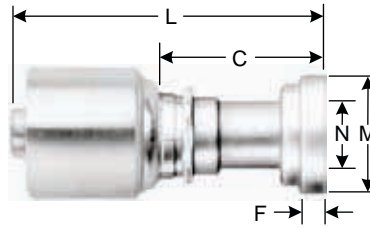


Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
6G-6FBFFX	7100-93715	3/8	9.5	3/8-19	—	24.0	1.67	40.5	.68	16.9	1
6G-8FBFFX	7100-93725	3/8	9.5	1/2-14	—	27.0	1.79	45.5	.69	17.6	1
8G-8FBFFX	7100-93735	1/2	12.7	1/2-14	—	27.0	2.19	55.5	.71	18.0	1
8G-12FBFFX	7100-93745	1/2	12.7	3/4-14	—	32.0	2.07	52.5	.59	15.0	1



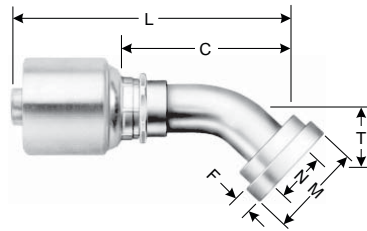


Komatsu O-Ring Flange - Straight



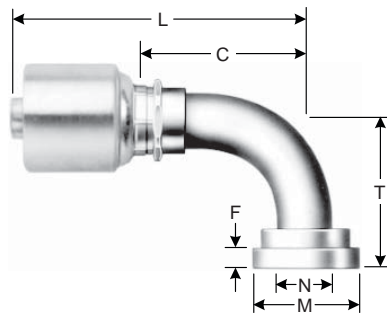
Descr.	Prod. No.	⊖		N		M		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK														
8G-10FLK	7100-03805	1/2	12.7	5/8	1.35	34.2	3.15	80.0	1.67	42.5	.27	6.7	1	
10G-10FLK	7100-03825	5/8	15.8	5/8	1.35	34.2	4.69	119.0	3.21	81.5	.27	6.7	1	

Komatsu O-Ring Flange - 45° Bent Tube



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
10G-10FLK45	7100-04155	5/8	15.8	5/8	1.35	34.1	1.02	26.0	4.19	106.5	2.72	69.0	.27	6.9	1	

Komatsu O-Ring Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
10G-10FLK90	7100-04475	5/8	15.9	5/8	1.35	34.1	2.17	55.0	3.90	99.0	2.42	61.5	.27	6.9	1	

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

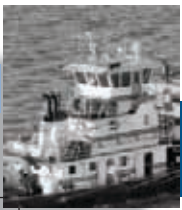
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

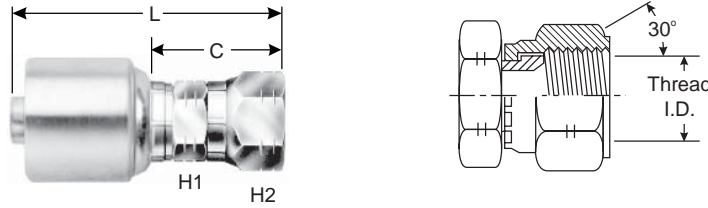




MegaCrimp® Couplings

Female Komatsu Style Japanese Metric Swivel

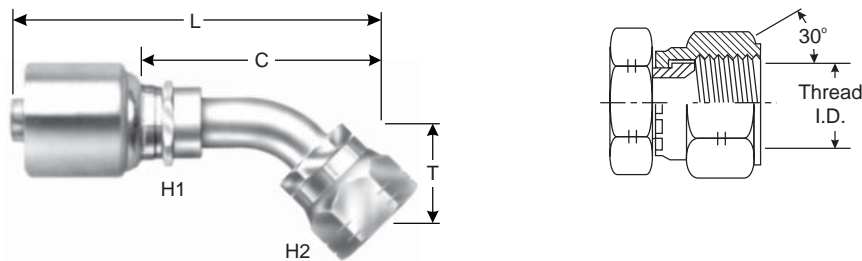
These female swivels have been marked with two small notches on the hex to identify them as the Komatsu style.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-4FKX	7100-03625	1/4	6.4	M14X1.5	9/16	3/4	2.22	56.3	1.19	30.2	1
4G-6FKX	7100-03635	1/4	6.4	M18X1.5	11/16	7/8	2.41	61.3	1.39	35.3	1
6G-6FKX	7100-03645	3/8	9.5	M18X1.5	11/16	7/8	2.47	62.8	1.37	34.9	1
8G-8FKX	7100-03655	1/2	12.7	M22X1.5	7/8	1 1/16	2.93	74.5	1.46	37.0	1
10G-10FKX	7100-03665	5/8	15.8	M24X1.5	1	1 1/4	3.09	78.5	1.62	41.1	1
12G-12FKX	7100-03675	3/4	19.0	M30X1.5	1 1/8	1 7/8	3.82	97.1	1.81	46.1	1
16G-16FKX	7100-03685	1	25.4	M33X1.5	1 3/8	1 5/8	4.51	114.6	2.28	57.8	1
BULK PACK											
4G-4FKX XBULK	7100-0362	1/4	6.4	M14X1.5	9/16	3/4	2.22	56.3	1.19	30.2	200
6G-6FKX XBULK	7100-0364	3/8	9.5	M18X1.5	11/16	7/8	2.47	62.8	1.37	34.9	200
8G-8FKX XBULK	7100-0365	1/2	12.7	M22X1.5	7/8	1 1/16	2.93	74.5	1.46	37.0	100
10G-10FKX XBULK	7100-0366	5/8	15.8	M24X1.5	1	1 1/4	3.09	78.5	1.62	41.1	100
12G-12FKX XBULK	7100-0367	3/4	19.0	M30X1.5	1 1/8	1 7/8	3.82	97.1	1.81	46.1	60
16G-16FKXXBULK	7100-0368	1	25.4	M33X1.5	1 3/8	1 5/8	4.51	114.6	2.28	57.8	25

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.



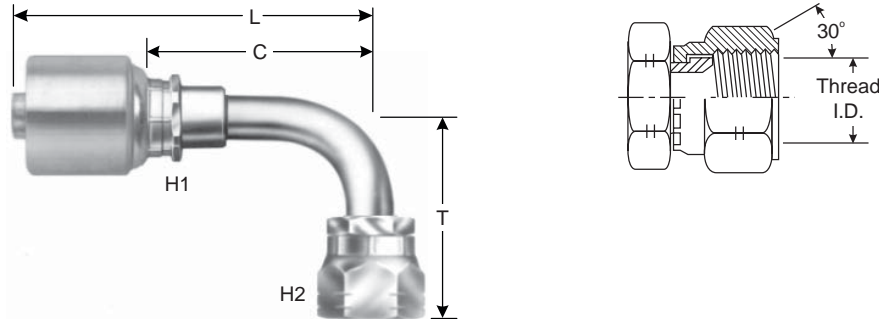
Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Std. Pack	
		"	mm					"	mm	"	mm		
STANDARD PACK													
4G-4FKX45	7100-03035	1/4	6.4	M14X1.5	1/2	3/4	.75	19.0	3.07	78.0	2.05	52.2	1
6G-6FKX45	7100-03045	3/8	9.5	M18X1.5	5/8	7/8	1.10	28.0	3.39	86.0	2.29	58.1	1
8G-8FKX45	7100-03055	1/2	12.7	M22X1.5	13/16	1 1/16	.71	18.0	3.74	95.0	2.26	57.5	1
10G-10FKX45	7100-03065	5/8	15.8	M24X1.5	15/16	1 1/4	1.10	28.0	4.43	112.5	2.95	75.0	1
12G-12FKX45	7100-03075	3/4	19.0	M14X1.5	1/2	3/4	.75	19.0	3.07	78.0	2.05	52.0	1





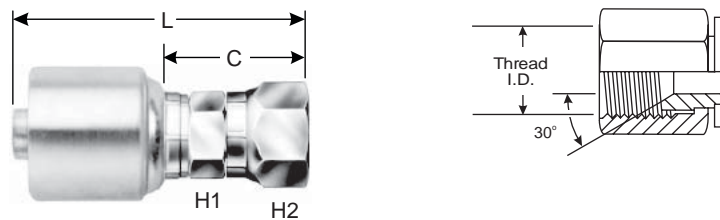
Female Komatsu Style Japanese Metric Swivel - 90° Bent Tube

These female swivels have been marked with two small notches on the hex to identify them as the Komatsu style.



Descr.	Prod. No.	⌀		Spring	H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
4G-4FKX90	7100-03125	1/4	6.4	M14X1.5	1/2	3/4	1.50	38.0	2.72	69.0	1.69	43.0	1
6G-6FKX90	7100-03135	3/8	9.5	M18X1.5	5/8	7/8	1.09	27.7	2.92	74.2	1.82	46.3	1
8G-8FKX90	7100-03145	1/2	12.7	M22X1.5	13/16	1 1/16	1.38	35.0	3.46	88.0	1.99	50.5	1
10G-10FKX90	7100-06795	5/8	15.8	M24X1.5	15/16	1 1/4	2.57	65.3	3.43	87.0	1.95	49.5	1
12G-12FKX90	7100-03165	3/4	19.0	M30X1.5	1 1/16	1 7/16	2.48	63.0	4.65	188.0	2.64	67.0	1

Female Japanese Industrial Standard Swivel



Descr.	Prod. No.	⌀		Spring	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4G-4FJISX	7100-03305	1/4	6.4	1/4-19	19.0	19.0	2.20	56.0	1.18	30.0	1
6G-6FJISX	7100-03325	3/8	9.5	3/8-19	16.0	22.0	2.38	60.5	1.28	32.5	1
8G-8FJISX	7100-03345	1/2	12.7	1/2-14	20.0	27.0	2.93	74.5	1.46	37.0	1
12G-12FJISX	7100-03365	3/4	19.0	3/4-14	27.0	32.0	3.67	93.3	1.67	42.3	1
16G-16FJISX	7100-03385	1	25.4	1-11	35.0	38.0	4.08	103.6	1.84	46.8	1
20G-20FJISX	7100-03405	1 1/4	31.7	1 1/4-11	44.5	50.8	4.59	116.5	2.26	57.5	1
BULK PACK											
4G-4FJISXBULK	7100-0330	1/4	6.4	1/4-19	19.0	19.0	2.20	56.0	1.18	30.0	200
6G-6FJISXBULK	7100-0332	3/8	9.5	3/8-19	16.0	22.0	2.38	60.5	1.28	32.5	200
8G-8FJISXBULK	7100-0334	1/2	12.7	1/2-14	20.0	27.0	2.93	74.5	1.46	37.0	100
12G12FJISXBULK	7100-0336	3/4	19.0	3/4-14	27.0	32.0	3.67	93.3	1.67	42.3	70

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



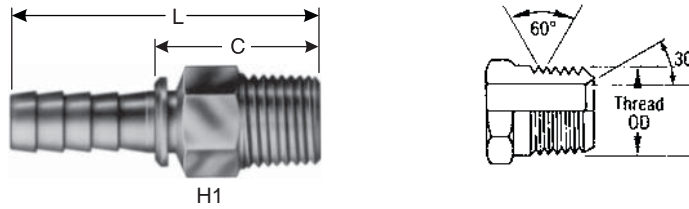



Notes



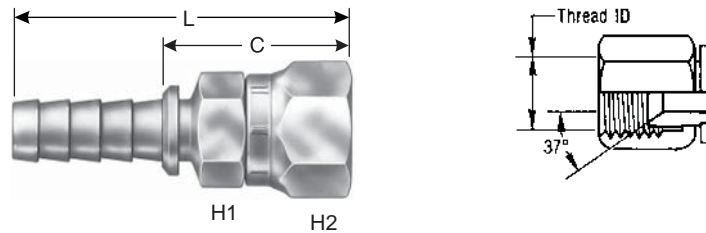



Male Pipe (NPTF - 30° Cone Seat) - Stainless Steel



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4-4MPSS	7362-00045	1/4	6.4	1/4-18	9/16	—	2.22	56.4	1.18	30.0	1
6-6MPSS	7362-00065	3/8	9.5	3/8-18	11/16	—	2.22	56.4	1.20	30.5	1
8-8MPSS	7362-00085	1/2	12.7	1/2-14	7/8	—	2.89	73.4	1.45	36.8	1
12-12MPSS	7362-00125	3/4	19.1	3/4-14	1 1/16	—	3.21	81.5	1.50	38.1	1
16-16MPSS	7362-00165	1	25.4	1-11 1/2	1 3/8	—	3.69	93.7	1.91	48.5	1

Female JIC 37° Flare Swivel - Stainless Steel



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
6-6FJX-SS	7362-01075	3/8	9.7	9/16-18	5/8	3/4	2.23	56.6	1.22	31.0	1
12-12FJX-SS	7362-01135	3/4	19.1	1 1/16-12	1 1/16	1 1/4	3.41	86.6	1.71	43.4	1
16-16FJX-SS	7362-01165	1	25.4	1 5/16-12	1 3/8	1 1/2	3.66	93.0	1.95	49.5	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





Power Crimp® Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

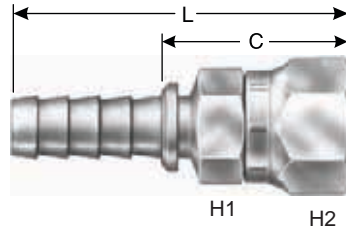
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

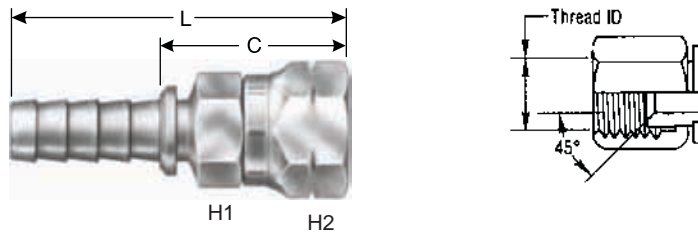
EQUIPMENT AND PARTS

Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Stainless Steel



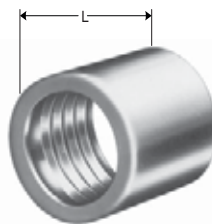
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4-4FJSX-SS	7362-01045	1/4	6.4	7/16-20	1/2	9/16	2.15	54.6	1.07	27.2	1
8-8FJSX-SS	7362-01085	1/2	12.7	3/4-16	13/16	7/8	2.82	71.6	1.38	35.1	1
10-10FJSX-SS	7362-01105	5/8	15.8	7/8-14	15/16	1 3/32	3.06	77.7	1.62	41.2	1

Female SAE 45° Flare Swivel - Stainless Steel



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
6-6FSX-SS	7362-01065	3/8	9.7	5/8-18	5/8	3/4	2.23	56.6	1.22	31.0	1
12-12FSX-SS	7362-01125	3/4	19.1	1 1/16-14	1 1/16	1 1/4	3.41	86.6	1.71	43.4	1

Power Crimp® One Non-Skive Ferrules - Stainless Steel



Descr.	Prod. No.	L		⊖		Std. Pack
		"	mm	"	mm	
STANDARD PACK						
4PC1F-M2SS	7362-51045	1.20	30.5	.72	18.4	1
6PC1F-M2SS	7362-51065	1.20	30.5	1.06	26.9	1

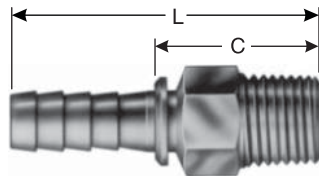




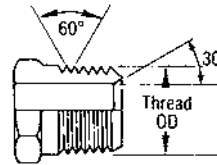
Power Crimp® One Non-Skive Ferrules - Stainless Steel - Cont'd

Descr.	Prod. No.	L		Ø		Std. Pack
		"	mm	"	mm	
8PC1F-M2SS	7362-51085	1.47	37.3	1.06	26.9	1
10PC1F-M2SS	7362-51105	1.47	37.3	1.21	30.8	1
12PC1F-M2SS	7362-51125	1.69	42.9	1.35	34.3	1
16PC1F-M2SS	7362-51165	1.69	42.9	1.93	49.1	1

Male Pipe (NPTF - 30° Cone Seat)



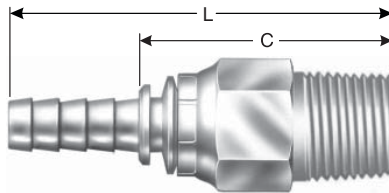
H1



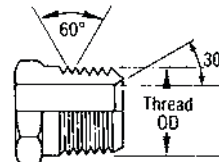
Descr.	Prod. No.	Ø		Thread	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
3-2MP	7334-36215	3/16	4.8	1/8-27	1/2	—	2.03	51.6	.94	23.9	1
3-4MP	7334-36245	3/16	4.8	1/4-18	9/16	—	2.22	56.4	1.13	28.8	1
BULK PACK											
3-2MPXBULK	7334-3621	3/16	4.8	1/8-27	1/2	—	2.03	51.6	.94	23.9	600
3-4MPXBULK	7334-3624	3/16	4.8	1/4-18	9/16	—	2.22	56.4	1.13	28.8	600

Male Pipe Swivel (NPTF - Without 30° Cone Seat)

NOT TO BE USED AS A LIVE SWIVEL.



H1



Descr.	Prod. No.	Ø		Thread	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
3-2MPX	7334-36335	3/16	4.8	1/8-27	1/2	—	2.40	61.0	1.31	33.3	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

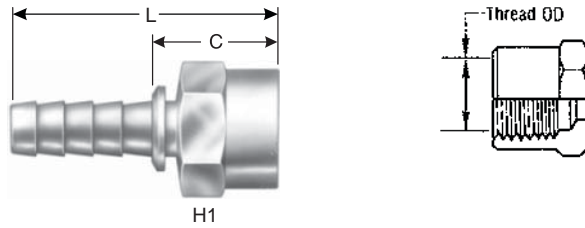
EQUIPMENT AND PARTS





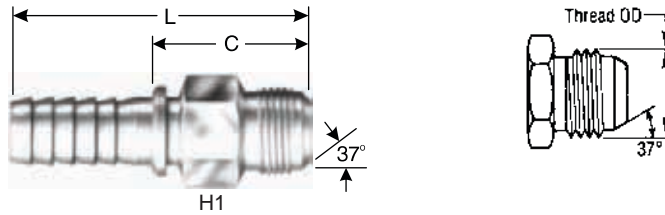
Power Crimp® Couplings

Female Pipe (NPTF - Without 30° Cone Seat)



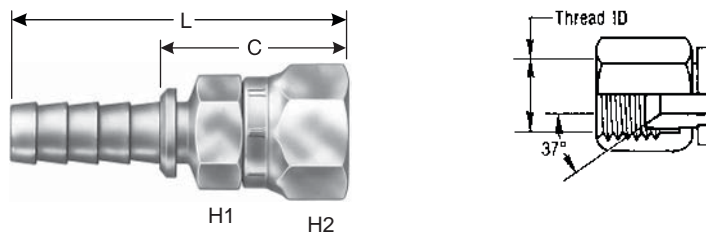
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
3-2FP	7334-36225	3/16	4.8	1/8-27	9/16	—	1.85	47.0	.76	19.3	1

Male JIC 37° Flare



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
3-4MJ	7334-36235	3/16	4.8	7/16-20	1/2	—	2.09	53.1	1.00	25.4	1

Female JIC 37° Flare Swivel

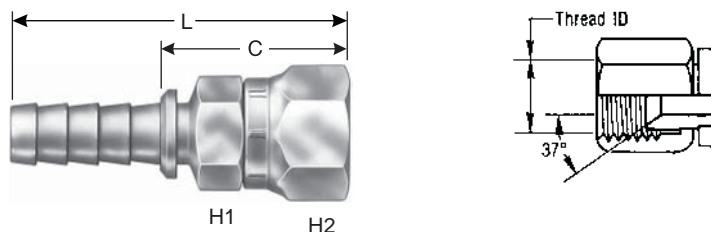


Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
3-3FJX	7334-36315	3/16	4.8	3/8-24	1/2	9/16	2.20	55.9	1.11	28.2	1
3-4FJX	7334-36325	3/16	4.8	7/16-20	1/2	9/16	2.21	56.1	1.12	28.4	1
BULK PACK											
3-4FJX XBULK	7334-3632	3/16	4.8	7/16-20	1/2	9/16	2.21	56.1	1.12	28.4	550
24-24FJX XBULK	7303-8924	1 1/2	38.1	1 7/8-12	2	2 1/4	5.10	129.5	2.46	62.5	25
32-32FJX XBULK	7303-9924	2	50.8	2 1/2-12	2 1/2	2 7/8	6.45	163.8	2.92	74.2	12



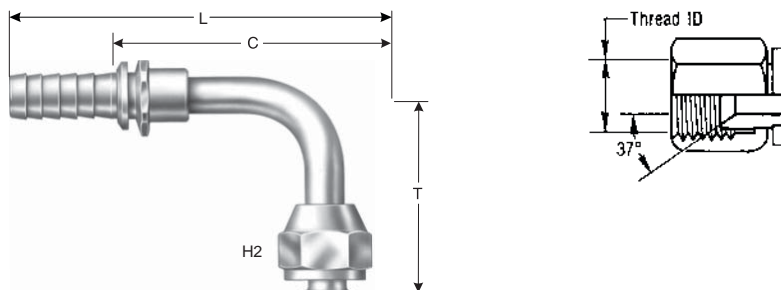


Female JIC 45° Flare Swivel



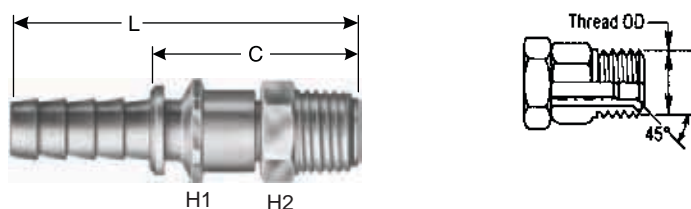
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
3C2-4FJX45S	7303-01005	3/16	4.8	7/16-20	1/2	9/16	2.80	71.1	1.71	43.4	1

Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Std. Pack	
		"	mm		"	"	"	mm	"	mm	"		mm
STANDARD PACK													
3C2-4FJX90S	7303-01505	3/16	4.8	7/16-20	—	9/16	.68	17.3	2.54	64.5	1.45	36.8	1
BULK PACK													
3C2-4FJX90SXBULK	7303-0150	3/16	4.8	7/16-20	—	9/16	.68	17.3	2.54	64.5	1.45	36.8	25

SAE Male Inverted Swivel



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
3C2-3MIX	7303-02995	3/16	4.8	3/8-24	1/2	3/8	2.67	67.8	1.58	40.1	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Power Crimp® Couplings



EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

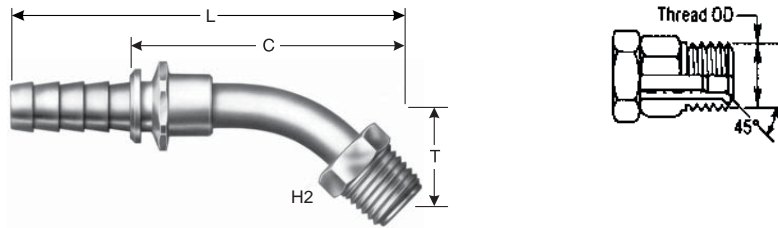
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

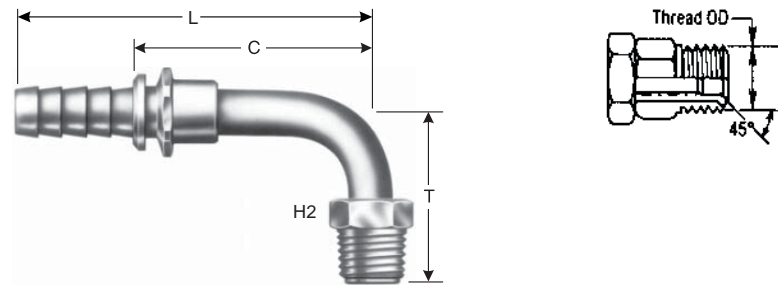
EQUIPMENT AND PARTS

SAE Male Inverted Swivel - 45° Bent Tube



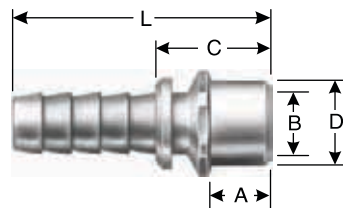
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
3C2-3MIX45S	7303-03205	3/16	4.8	3/8-24	—	3/8	.58	14.7	2.78	70.6	1.69	42.9	1

SAE Male Inverted Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
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	1

Female Braze-On Stems



Descr.	Prod. No.	⊖		B	A	D		L		C		Std. Pack
		"	mm	"	"	"	mm	"	mm	"	mm	
STANDARD PACK												
3-4FBO	7305-09135	3/16	4.8	.25	1/4	.56	14.2	1.76	44.7	.68	17.3	1
4-4FBO	7305-09145	1/4	6.4	.25	1/4	.56	14.2	1.67	42.4	.58	14.7	1
4-5FBO	7305-09165	1/4	6.4	.32	3/8	.56	14.2	1.67	42.4	.58	14.7	1
6-6FBO	7334-36755	3/8	9.5	.38	3/8	.75	19.1	1.72	43.7	.70	17.8	1
6-8FBO	7305-29165	3/8	9.5	.50	3/8	.88	22.4	1.72	43.7	.70	17.8	1
8-8FBO	7305-39145	1/2	12.7	.50	3/8	.88	22.4	2.20	55.9	.76	19.3	1

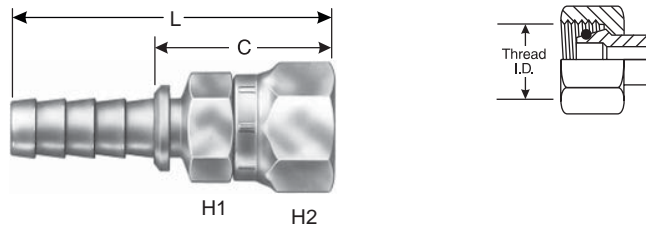




Female Braze-On Stems - Cont'd

Descr.	Prod. No.	⊖		B	A	⊕ D		L		C		Std. Pack
		"	mm			"	mm	"	mm	"	mm	
8-10FBO	7305-39165	1/2	12.7	.63	3/8	.88	22.4	2.20	55.9	.76	19.3	1
12-12FBO	7305-59145	3/4	19.1	.75	3/8	1.12	28.5	2.47	62.7	.76	19.3	1
12-16FBO	7305-59165	3/4	19.1	1.01	15/32	1.38	35.1	2.75	69.9	1.04	26.4	1
16-16FBO	7305-69145	1	25.4	1.01	15/32	1.38	35.1	2.75	69.9	1.04	26.4	1
20-20FBO	7305-79145	1 1/4	31.7	1.26	3/8	1.81	46.0	3.29	85.6	1.11	28.2	1
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	1
BULK PACK												
4-4FBOXBULK	7305-0914	1/4	6.4	.25	1/4	.56	14.2	1.67	42.4	.58	14.7	1200
6-6FBOXBULK	7334-3675	3/8	9.5	.38	3/8	.75	19.1	1.72	43.7	.70	17.8	900
6-8FBOXBULK	7305-2916	3/8	9.5	.50	3/8	.88	22.4	1.72	43.7	.70	17.8	500
8-8FBOXBULK	7305-3914	1/2	12.7	.50	3/8	.88	22.4	2.20	55.9	.76	19.3	500
8-10FBOXBULK	7305-3916	1/2	12.7	.63	3/8	.88	22.4	2.20	55.9	.76	19.3	500
12-12FBOXBULK	7305-5914	3/4	19.1	.75	3/8	1.12	28.5	2.47	62.7	.76	19.3	225
12-16FBOXBULK	7305-5916	3/4	19.1	1.01	15/32	1.38	35.1	2.75	69.9	1.04	26.4	200
16-16FBOXBULK	7305-6914	1	25.4	1.01	15/32	1.38	35.1	2.75	69.9	1.04	26.4	125
20-20FBOXBULK	7305-7914	1 1/4	31.7	1.26	3/8	1.81	46.0	3.29	85.6	1.11	28.2	60
24-24FBOXBULK	7305-8914	1 1/2	38.1	1.51	3/8	2.00	50.8	3.75	95.3	1.11	28.2	45

Female DIN 24° Cone Swivel - Light Series



Descr.	Prod. No.	⊖		⊕	H1	H2	L		C		⊕ D	Std. Pack
		"	mm				"	mm	"	mm		
STANDARD PACK												
3C2-6FDLX	7303-08195	3/16	4.8	M12X1.5	14.0	14.0	2.20	55.9	1.11	28.2	6.0	1
BULK PACK												
3C2-6FDLX XBULK	7303-0819	3/16	4.8	M12X1.5	14.0	14.0	2.20	55.9	1.11	28.2	6.0	250

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

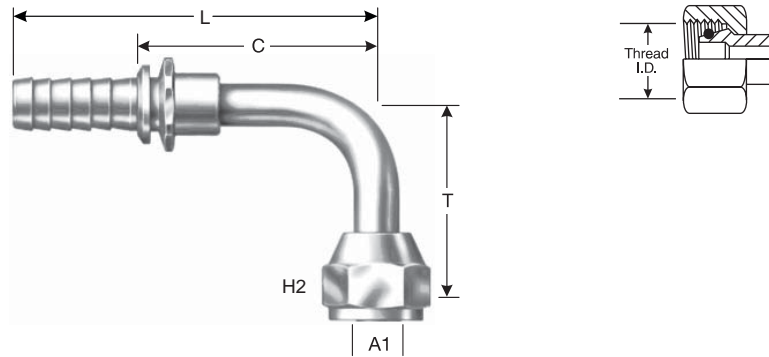




Power Crimp® Couplings

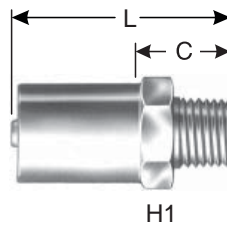
EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Female DIN 24° Cone Swivel - Light Series - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		A1	Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	mm	
STANDARD PACK														
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	1

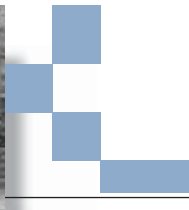
Male Special Grease Fitting



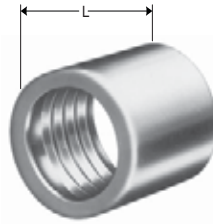
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
3-2MPG	7334-32445	3/16	4.8	1/8-27	9/16	—	1.34	34.0	.56	14.2	1
3-2MPGB	7334-37925	3/16	4.8	1/8-27	9/16	—	1.34	34.0	.78	19.8	1
BULK PACK											
3-2MPGBXBULK	7334-3792	3/16	4.8	1/8-27	9/16	—	1.34	34.0	.78	19.8	1000
3-2MPGXULK	7334-3244	3/16	4.8	1/8-27	9/16	—	1.34	34.0	.56	14.2	1000



Power Crimp® Couplings



Power Crimp® Two Ferrules (Steel) - PC2F Series



Descr.	Prod. No.	L		Ø		Std. Pack
		"	mm	"	mm	
STANDARD PACK						
3PC2F-2	7266-00075	1.00	25.4	.76	19.3	1
4PC2F-2	7266-00345	1.00	25.4	.84	21.3	10
4PC2F-4	7266-00395	1.20	30.5	.89	22.6	1
5PC2F-2	7266-00385	1.00	25.4	.87	22.1	1
6PC2F-2	7266-00335	1.00	25.4	.94	23.9	10
6PC2F-4	7266-00405	1.20	30.5	1.06	26.9	1
8PC2F-2	7266-00025	1.25	31.8	1.13	28.7	10
8PC2F-4	7266-00415	1.47	37.3	1.28	32.5	1
10PC2F-2B	7266-00465	1.47	37.3	1.32	33.5	1
10PC2F-2C	7266-08105	1.25	31.8	1.23	31.2	1
12PC2F-2	7266-00185	1.47	37.3	1.50	38.1	1
12PC2F-4	7266-00145	1.97	50.0	1.38	35.1	1
16PC2F-2	7266-00135	1.97	50.0	1.75	44.5	1
16PC2F-4	7266-00175	2.07	52.6	1.87	47.5	1
20PC2F-2	7266-00225	2.35	59.7	2.25	57.2	1
20PC2F-4	7266-00215	2.77	70.4	2.19	55.6	1
24PC2F-4	7266-00355	2.88	73.2	2.55	64.8	1
32PC2F-4	7266-00375	3.43	87.1	3.16	80.3	1
BULK PACK						
3PC2F-2XBULK	7266-0007	1.00	25.4	.76	19.3	500
4PC2F-2XBULK	7266-0034	1.00	25.4	.84	21.3	800
4PC2F-4XBULK	7266-0039	1.20	30.5	.89	22.6	600
5PC2F-2XBULK	7266-0038	1.00	25.4	.87	22.1	100
6PC2F-2XBULK	7266-0033	1.00	25.4	.94	23.9	700
6PC2F-4XBULK	7266-0040	1.20	30.5	1.06	26.9	375
8PC2F-2XBULK	7266-0002	1.25	31.8	1.13	28.7	375
8PC2F-4XBULK	7266-0041	1.47	37.3	1.28	32.5	225
10PC2F-2BxBULK	7266-0046	1.47	37.3	1.32	33.5	300
10PC2F-2CxBULK	7266-0810	1.25	31.8	1.23	31.2	200
12PC2F-2XBULK	7266-0018	1.47	37.3	1.50	38.1	200
12PC2F-4XBULK	7266-0014	1.97	50.0	1.38	35.1	125
16PC2F-2XBULK	7266-0013	1.97	50.0	1.75	44.5	90
16PC2F-4XBULK	7266-0017	2.07	52.6	1.87	47.5	75
20PC2F-2XBULK	7266-0022	2.35	59.7	2.25	57.2	40
20PC2F-4XBULK	7266-0021	2.77	70.4	2.19	55.6	40
24PC2F-4XBULK	7266-0035	2.88	73.2	2.55	64.8	30
32PC2F-4XBULK	7266-0037	3.43	87.1	3.16	80.3	16

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

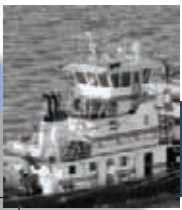
EQUIPMENT AND PARTS



The World's Most Trusted Name in Belts, Hose and Hydraulics.

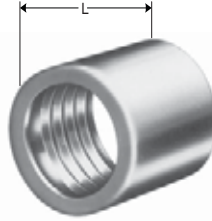
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G9



Power Crimp® Couplings

Power Crimp® One Non-Skive Ferrules (Steel) - PC1FS Series



EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
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QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

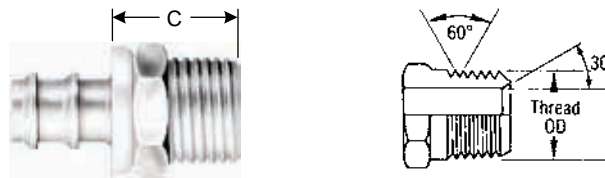
Descr.	Prod. No.	L		Ø		Std. Pack
		"	mm	"	mm	
STANDARD PACK						
3PC1FS	7266-07035	1.20	30.5	.83	21.1	1
4M3KPC	7266-07805	1.20	30.5	.89	22.6	1
4PC1F-M2S	7266-07635	1.20	30.5	.83	21.1	1
4PC1FS	7266-07045	1.28	32.5	.87	22.1	10
5PC1FS	7266-07055	1.20	30.5	.97	24.6	1
6M3KPC	7266-07815	1.20	30.5	.97	24.6	1
6PC1F-M2S	7266-07375	1.20	30.5	1.06	26.9	1
6PC1FS	7266-07065	1.20	30.5	.96	26.9	10
8M3KPC	7266-07825	1.50	38.1	1.15	29.2	1
8PC1F-M2S	7266-07395	1.47	37.3	1.20	30.5	1
8PC1FS	7266-07085	1.47	37.3	1.15	29.3	10
10PC1F-M2S	7266-07415	1.47	37.3	1.31	33.3	1
10PC1FS-M3K	7266-07105	1.49	37.8	1.21	30.8	10
12PC1F-M2S	7266-07435	1.69	42.9	1.57	39.9	1
12PC1FS-M3K	7266-07125	1.69	42.9	1.53	38.9	10
16PC1F-M2S	7266-07475	1.69	42.9	1.94	49.3	1
16PC1FS	7266-07165	1.69	42.9	1.32	33.5	5
20PC1FS	7266-07205	2.41	61.2	2.38	60.5	1
24PC1FS	7266-07245	2.69	68.3	2.69	68.3	1
32PC1FS	7266-07325	3.56	90.4	3.25	82.6	1
BULK PACK						
3PC1FSXBULK	7266-0703	1.20	30.5	.83	21.1	400
4M3KPCXBULK	7266-0780	1.20	30.5	.89	22.6	600
4PC1FSXBULK	7266-0704	1.28	32.5	.87	22.1	600
5PC1FSXBULK	7266-0705	1.20	30.5	.97	24.6	400
6M3KPCXBULK	7266-0781	1.20	30.5	.97	24.6	500
6PC1F-M2SXBULK	7266-0737	1.20	30.5	1.06	26.9	300
6PC1FSXBULK	7266-0706	1.20	30.5	.96	26.9	375
8M3KPCXBULK	7266-0782	1.50	38.1	1.15	29.2	300
8PC1F-M2SXBULK	7266-0739	1.47	37.3	1.20	30.5	300
8PC1FSXBULK	7266-0708	1.47	37.3	1.15	29.3	275
10PC1F-M2SXBULK	7266-0741	1.47	37.3	1.31	33.3	150
10PC1FS-M3KXBULK	7266-0710	1.49	37.8	1.21	30.8	200
12PC1F-M2SXBULK	7266-0743	1.69	42.9	1.57	39.9	125
12PC1FS-M3KXBULK	7266-0712	1.69	42.9	1.53	38.9	150
16PC1F-M2SXBULK	7266-0747	1.69	42.9	1.94	49.3	75
16PC1FSXBULK	7266-0716	1.69	42.9	1.32	33.5	90
20PC1FSXBULK	7266-0720	2.41	61.2	2.38	60.5	35
24PC1FSXBULK	7266-0724	2.69	68.3	2.69	68.3	25
32PC1FSXBULK	7266-0732	3.56	90.4	3.25	82.6	12




Brass Field Attachable Couplings for Lock-On

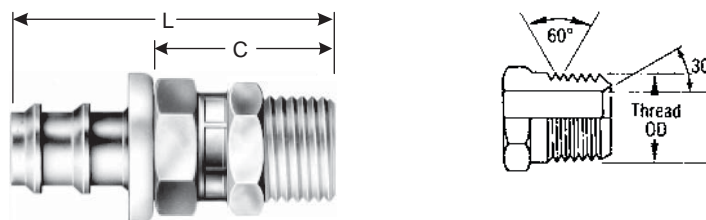



Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-2RMP	7207-06545	1/4	6.4	1/8-27	.56	14.2	1
4LOC-4RMP	7207-06555	1/4	6.4	1/4-18	.81	20.6	1
4LOC-6RMP	7250-16065	1/4	6.4	3/8-18	.88	22.4	1
5LOC-2RMP	7207-86515	5/16	7.9	1/8-27	.81	20.6	1
5LOC-4RMP	7207-86516	5/16	7.9	1/4-18	.77	19.6	1
6LOC-2RMP	7207-10015	3/8	9.5	1/8-27	.56	14.2	1
6LOC-4RMP	7207-06565	3/8	9.5	1/4-18	.81	20.6	1
6LOC-6RMP	7207-06575	3/8	9.5	3/8-18	.88	22.4	1
6LOC-8RMP	7250-16075	3/8	9.5	1/2-14	.88	22.4	1
8LOC-4RMP	7250-16085	1/2	12.7	1/4-18	.81	20.6	1
8LOC-6RMP	7207-06585	1/2	12.7	3/8-18	.88	22.4	1
8LOC-8RMP	7207-06595	1/2	12.7	1/2-14	.88	22.4	1
8LOC-12RMP	7250-16095	1/2	12.7	3/4-14	1.13	28.7	1
10LOC-6RMP	7250-16105	5/8	15.8	3/8-18	.88	22.4	1
10LOC-8RMP	7207-86507	5/8	15.9	1/2-14	1.06	26.9	1
10LOC-12RMP	7250-16115	5/8	15.8	3/4-14	.88	28.7	1
12LOC-8RMP	7250-16125	3/4	19.0	1/2-14	.88	22.4	1
12LOC-12RMP	7207-06625	3/4	19.0	3/4-14	1.13	28.7	1
BULK PACK							
4LOC-2RMPXBULK	7207-0654	1/4	6.4	1/8-27	.56	14.2	100
4LOC-4RMPXBULK	7207-0655	1/4	6.4	1/4-18	.81	20.6	100
6LOC-4RMPXBULK	7207-0656	3/8	9.5	1/4-18	.81	20.6	100
6LOC-6RMPXBULK	7207-0657	3/8	9.5	3/8-18	.88	22.4	100
8LOC-6RMPXBULK	7207-0658	1/2	12.7	3/8-18	.88	22.4	100
8LOC-8RMPXBULK	7207-0659	1/2	12.7	1/2-14	.88	22.4	100
12LOC-12RMPXBULK	7207-0662	3/4	19.0	3/4-14	1.13	28.7	100

Male Pipe Swivel (NPTF - Without 30° Cone Seat)



Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-4RMPX	7250-16135	1/4	6.3	1/4-18	1.81	46.0	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





Brass Field Attachable Couplings for Lock-On

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLAR SEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS


QUICK DISCONNECT COUPLERS

NEW BALL VALVES

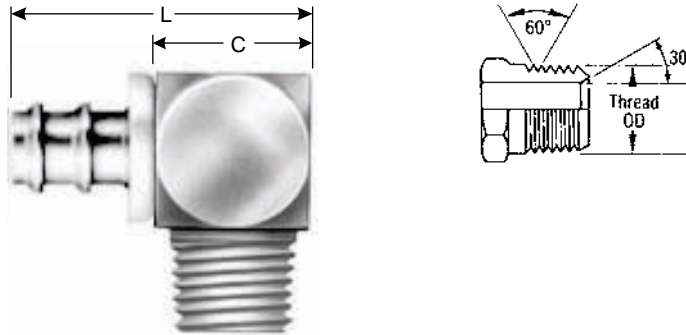
ACCESSORIES


EQUIPMENT AND PARTS

Male Pipe Swivel (NPTF - Without 30° Cone Seat) - Cont'd

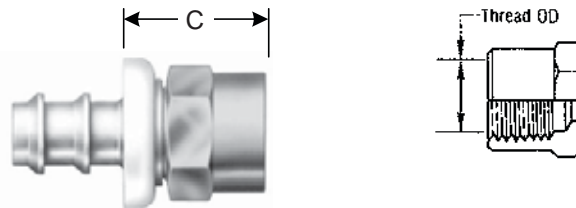
Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
6LOC-6RMPX	7250-16145	3/8	9.5	3/8-18	2.00	50.8	1
8LOC-8RMPX	7250-16155	1/2	12.7	1/4-14	2.38	60.5	1
12LOC-12RMPX	7250-16165	1/4	6.3	3/4-1/4	2.68	68.1	1


Male Pipe - 90° Block (NPTF - Without 30° Cone Seat)



Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-2RMP90	7207-10125	1/4	6.3	1/8-27	.31	7.9	1
4LOC-4RMP90	7250-16185	1/4	6.3	1/4-18	.38	9.7	1
6LOC-2RMP90	7207-10145	3/8	9.5	1/8-27	.38	9.7	1
6LOC-6RMP90	7207-10155	3/8	9.5	3/8-18	.43	10.9	1
8LOC-8RMP90	7250-16205	1/2	12.7	1/2-14	.50	12.7	1
12LOC-12RMP90	7250-16215	3/4	19.0	3/4-14	.76	19.3	1

Female Pipe (NPTF - 30° Cone Seat)



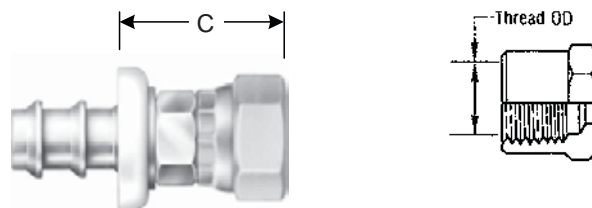
Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-4RFP	7250-04595	1/4	6.3	1/4-18	.50	12.7	1
5LOC-4RFP	7250-16225	5/16	7.9	1/4-18	.50	12.7	1
6LOC-6RFP	7250-04605	3/8	9.5	3/8-18	.63	16.0	1
8LOC-6RFP	7250-16235	1/2	12.7	1/4-18	.63	16.0	1
10LOC-8RFP	7207-10235	5/8	15.8	1/2-14	.75	19.1	1
12LOC-12RFP	7207-10245	3/4	19.1	3/4-14	.93	23.6	1




Brass Field Attachable Couplings for Lock-On

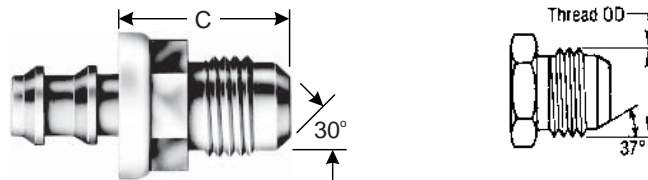



Female Pipe Swivel (NPTF - Without 30° Cone Seat)



Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-2RFPX	7250-16265	1/4	6.3	1/8-27	1.81	46.0	1
4LOC-4RFPX	7250-16275	1/4	6.3	1/4-18	1.81	46.0	1
4LOC-6RFPX	7250-16285	1/4	6.3	3/8-18	2.00	50.8	1
6LOC-4RFPX	7250-16295	3/8	9.5	1/4-18	1.81	46.0	1
6LOC-6RFPX	7250-16305	3/8	9.5	3/8-18	2.00	50.8	1
6LOC-8RFPX	7250-16315	3/8	9.5	1/2-14	2.38	60.5	1
8LOC-8RFPX	7250-16325	1/2	12.7	1/2-14	2.38	60.5	1
8LOC-12RFPX	7207-10325	1/2	12.7	3/4-14	2.68	68.1	1
10LOC-12RFPX	7207-10335	5/8	15.8	3/4-14	2.68	68.1	1
12LOC 12RFPX	7250-16355	3/4	19.1	3/4-14	2.68	68.1	1

Male JIC 37° Flare



Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-5RMJ	7250-16375	1/4	6.3	1/2-20	—	—	1
4LOC-6RMJ	7250-16385	1/4	6.3	9/16-18	—	—	1
6LOC-4RMJ	7250-16395	3/8	9.5	7/16-20	.88	22.4	1
6LOC-5RMJ	7207-10395	3/8	9.5	1/2-20	.94	23.9	1
6LOC-6RMJ	7250-16415	3/8	9.5	9/16-18	—	—	1
6LOC-8RMJ	7250-16425	3/8	9.5	3/4-16	1.19	30.2	1
8LOC-8RMJ	7207-10425	1/2	12.7	3/4-16	1.19	30.2	1
8LOC-10RMJ	7207-10435	1/2	12.7	7/8-14	1.27	32.3	1
10LOC-8RMJ	7207-10445	5/8	15.8	3/4-16	1.19	30.2	1
10LOC-10RMJ	7207-10455	5/8	15.8	7/8-14	1.27	32.3	1
12LOC-10RMJ	7207-10465	3/4	19.1	7/8-14	1.27	32.3	1

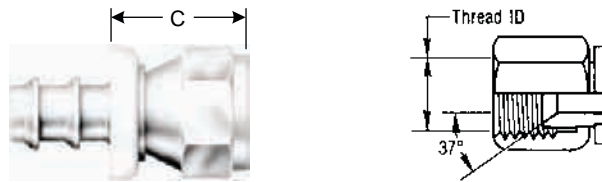
EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS






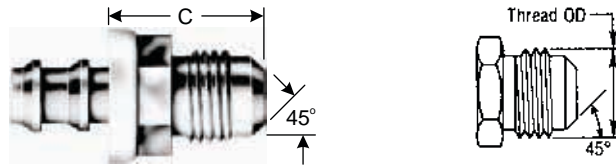
Brass Field Attachable Couplings for Lock-On


Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-6RFJX	7250-16495	1/4	6.3	3/8-18	.74	18.8	1
6LOC-6RFJX	7207-06705	3/8	9.5	9/16-18	.81	20.6	1
6LOC-8RFJSX	7207-06785	3/8	9.5	3/4-16	.97	24.6	1
12LOC-12RFJX	7207-86536	3/4	19.0	1 1/16-12	1.09	27.7	1
BULK PACK							
6LOC-6RFJX XBULK	7207-0670	3/8	9.5	9/16-18	.81	20.6	100

Male SAE 45° Flare



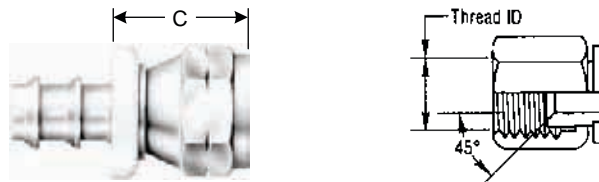
Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-4RMS	7207-86511	1/4	6.4	7/16-20	.69	17.5	1
4LOC-5RMS	7207-86512	1/4	6.4	1/2-20	.38	9.7	1
4LOC-6RMS	7250-04665	1/4	6.3	5/8-18	.88	22.4	1
6LOC-4RMS	7207-10505	3/8	9.5	7/16-20	.69	17.5	1
6LOC-5RMS	7250-16515	3/8	9.5	1/2-20	.81	20.6	1
6LOC-6RMS	7207-86513	3/8	9.5	5/8-18	.88	22.4	1
6LOC-8RMS	7250-16525	3/8	9.5	3/4-16	1.31	28.7	1
8LOC-8RMS	7207-86514	1/2	12.7	3/4-16	1.13	28.7	1
8LOC-10RMS	7207-10535	1/2	12.7	7/8-14	1.27	32.3	1
10LOC-8RMS	7207-10545	5/8	15.8	3/4-16	1.13	28.7	1
10LOC-10RMS	7207-10555	5/8	15.8	7/8-14	1.27	32.3	1
12LOC-10RMS	7207-10565	3/4	19.1	7/8-14	1.27	32.3	1
12LOC-12RMS	7207-10575	3/4	19.1	1 1/16-14	1.83	33.8	1




Brass Field Attachable Couplings for Lock-On

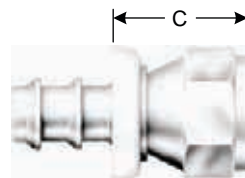



Female SAE 45° Flare Swivel



Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-6RFSX	7250-16585	1/4	6.3	5/8-18	.69	17.5	1
5LOC-6RFSX	7207-86528	5/16	7.9	5/8-18	.81	20.6	1
6LOC-6RFSX	7207-06665	3/8	9.5	5/8-18	.84	21.3	1
8LOC-6RFSX	7207-10595	1/2	12.7	5/8-18	.84	21.3	1
12LOC-12RFSX	7207-86526	3/4	19.0	1 1/16-14	1.09	27.7	1
BULK PACK							
6LOC-6RFSX XBULK	7207-0666	3/8	9.5	5/8-18	.84	21.3	100

Dual Seat Female JIC 37°/SAE 45° Flare Swivel



Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-4RFJSX	7207-06635	1/4	6.4	7/16-20	.75	19.1	1
4LOC-5RFJSX	7207-06655	1/4	6.4	1/2-20	.78	19.8	1
5LOC-5RFJSX	7207-86527	5/16	7.9	1/2-20	.81	20.6	1
6LOC-5RFJSX	7250-04745	3/8	9.5	1/2-20	.81	20.6	1
8LOC-8RFJSX	7207-06725	1/2	12.7	3/4-16	.97	24.6	1
8LOC-10RFJSX	7207-07385	1/2	12.7	7/8-14	1.00	25.4	1
10LOC-10RFJSX	7207-86535	5/8	15.9	7/8-14	1.00	25.4	1
12LOC-10RFJSX	7250-04775	3/4	19.1	7/8-14	1.00	25.4	1
BULK PACK							
4LOC-4RFJSX XBULK	7207-0663	1/4	6.4	7/16-20	.75	19.1	100
4LOC-5RFJSX XBULK	7207-0665	1/4	6.4	1/2-20	.78	19.8	100

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



Brass Field Attachable Couplings for Lock-On



EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

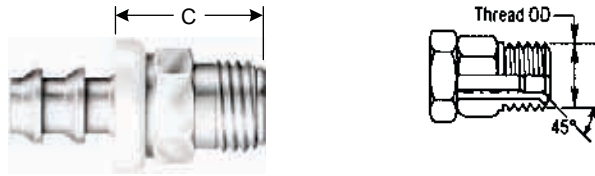
QUICK DISCONNECT COUPLERS


NEW BALL VALVES

ACCESSORIES

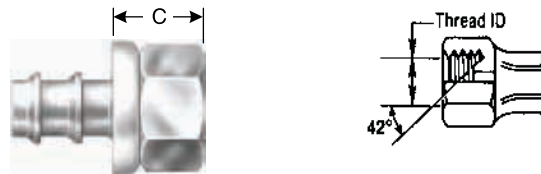
EQUIPMENT AND PARTS


Male SAE Inverted Swivel



Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-3RMIX	7207-86541	1/4	6.4	3/8-24	.78	19.8	1
4LOC-4RMIX	7207-06735	1/4	6.4	7/16-24	.78	19.8	1
4LOC-5RMIX	7207-06745	1/4	6.4	1/2-20	.78	19.8	1
5LOC-5RMIX	7207-86548	5/16	7.9	1/2-20	.82	20.8	1
5LOC-6RMIX	7207-86549	5/16	7.9	5/8-18	.86	21.8	1
6LOC-5RMIX	7250-04845	3/8	9.5	1/2-20	.82	20.8	1
6LOC-6RMIX	7207-06765	3/8	9.5	5/8-18	.97	24.6	1
6LOC-8RMIX	7250-16605	3/8	9.5	3/4-18	1.00	25.4	1
8LOC-8RMIX	7207-86545	1/2	12.7	3/4-16	1.00	25.4	1
10LOC-10RMIX	7207-86546	5/8	15.9	7/8-18	1.00	25.4	1
BULK PACK							
4LOC-4RMIX XBULK	7207-0673	1/4	6.4	7/16-24	.78	19.8	100
4LOC-5RMIX XBULK	7207-0674	1/4	6.4	1/2-20	.78	19.8	100
6LOC-6RMIX XBULK	7207-0676	3/8	9.5	5/8-18	.97	24.6	100

Female SAE Inverted Solid



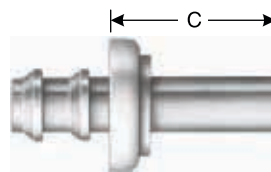
Descr.	Prod. No.	⊖			C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
4LOC-3RFI	7207-86551	1/4	6.4	3/8-24	.75	19.1	1
4LOC-4RFI	7207-86552	1/4	6.4	7/16-24	.75	19.1	1
4LOC-5RFI	7207-86553	1/4	6.4	1/2-20	.75	19.1	1
6LOC-5RFI	7207-10655	3/8	9.5	1/2-20	.75	19.1	1
6LOC-6RFI	7207-86554	3/8	9.5	5/8-18	.88	22.4	1
8LOC-8RFI	7207-10665	1/2	9.5	3/4-18	.93	23.6	1



Brass Field Attachable Couplings for Lock-On



SAE Stand Pipe



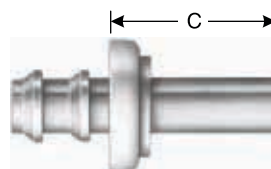
Descr.	Prod. No.	⊖		🌀	C		Std. Pack
		"	mm		"	mm	
STANDARD PACK							
8LOC-8RSP	7207-10675	1/2	12.7	1/2-14	1.00	25.4	1
10LOC-10RSP	7207-10685	5/8	15.9	7/8-14	1.00	25.4	1

Hose Mender



Descr.	Prod. No.	⊖		Std. Pack
		"	mm	
STANDARD PACK				
4LOC-4RHM	7207-86571	1/4	6.4	1
5LOC-5RHM	7207-86575	5/16	7.9	1
6LOC-6RHM	7207-86572	3/8	9.5	1
8LOC-8RHM	7207-86573	1/2	12.7	1
10LOC-10RHM	7207-86574	5/8	15.9	1
12LOC-12RHM	7207-86577	3/4	19.0	1

Flareless Tube Fitting (Compression Type)



Descr.	Prod. No.	⊖		⊕		C		Std. Pack
		"	mm	"	mm	"	mm	
STANDARD PACK								
4LOC-3RFT	7207-86561	1/4	6.4	3/16	4.8	.75	19.1	1
4LOC-4RFT	7207-86562	1/4	6.4	1/4	6.3	1.00	25.4	1
4LOC-5RFT	7207-86563	1/4	6.3	5/16	0.3	1.13	28.7	1
6LOC-6RSP	7207-86564	3/8	9.5	3/8	9.5	1.25	31.8	1
8LOC-8RFT	7207-86565	1/2	12.7	1/2	12.7	1.00	25.4	1
10LOC-10RFT	7207-86566	5/8	15.9	5/8	15.9	1.00	25.4	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
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MEGACRIMP COUPLINGS
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LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



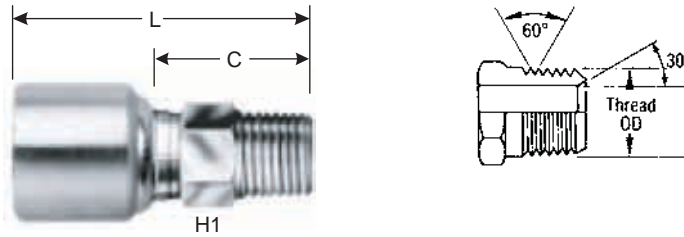


GLP Couplings

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Male Pipe (NPTF - 30° Cone Seat)

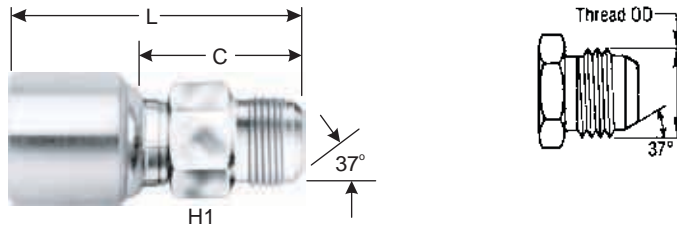
Special GLP Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4GLP1-4MP	7351-02045	1/4	6.4	1/4	9/16	—	1.89	48.0	1.22	31.0	1
6GLP1-6MP	7351-02155	3/8	9.5	3/8	11/16	—	2.13	54.0	1.33	33.8	1
8GLP1-8MP	7351-02215	1/2	12.7	1/2	7/8	—	2.24	57.0	1.46	37.1	1
10GLP1-8MP	7351-02275	5/8	15.9	1/2	15/16	—	2.40	61.0	1.55	39.3	1
12GLP1-12MP	7351-02325	3/4	19.0	3/4	1 1/16	—	2.64	67.0	1.56	39.5	1
BULK PACK											
4GLP1-4MPXBULK	7351-0204	1/4	6.4	1/4	9/16	—	1.89	48.0	1.22	31.0	200
6GLP1-6MPXBULK	7351-0215	3/8	9.5	3/8	11/16	—	2.13	54.0	1.33	33.8	150
8GLP1-8MPXBULK	7351-0221	1/2	12.7	1/2	7/8	—	2.24	57.0	1.46	37.1	100
10GLP1-8MPXBULK	7351-0227	5/8	15.9	1/2	15/16	—	2.40	61.0	1.55	39.3	100
12GLP1-12MPXBULK	7351-0232	3/4	19.0	3/4	1 1/16	—	2.64	67.0	1.56	39.5	75

Male JIC 37° Flare

Special GLP Dies Required.



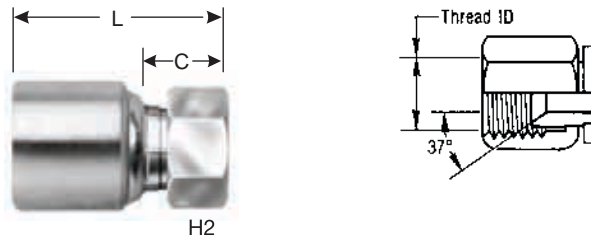
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
4GLP1-4MJ	7351-01045	1/4	6.4	7/16-20	9.0	—	1.81	46.0	1.18	30.0	1
6GLP1-6MJ	7351-01155	3/8	9.5	9/16-18	11.0	—	1.97	50.0	1.23	31.3	1
8GLP1-8MJ	7351-01215	1/2	12.7	3/4-16	7.0	—	2.13	54.0	1.34	34.1	1
10GLP1-10MJ	7351-01275	5/8	15.8	7/8-14	15.0	—	2.44	62.0	1.59	40.3	1
12GLP1-12MJ	7351-01325	3/4	19.0	1 1/16-12	1.0	—	2.83	72.0	1.75	44.5	1
BULK PACK											
4GLP1-4MJXBULK	7351-0104	1/4	6.4	7/16-20	9.0	—	1.81	46.0	1.18	30.0	400
6GLP1-6MJXBULK	7351-0115	3/8	9.5	9/16-18	11.0	—	1.97	50.0	1.23	31.3	500
8GLP1-8MJXBULK	7351-0121	1/2	12.7	3/4-16	7.0	—	2.13	54.0	1.34	34.1	100
10GLP1-10MJXBULK	7351-0127	5/8	15.8	7/8-14	15.0	—	2.44	62.0	1.59	40.3	100
12GLP1-12MJXBULK	7351-0132	3/4	19.0	1 1/16-12	1.0	—	2.83	72.0	1.75	44.5	75





Female JIC 37° Flare Swivel

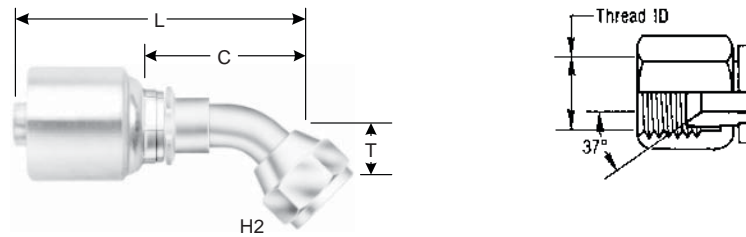
Special GLP Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	
STANDARD PACK											
4GLP1-4FJX	7351-05045	1/4	6.4	7/16-20	—	9.0	1.63	41.3	.96	24.3	1
6GLP1-6FJX	7351-05145	3/8	9.5	9/16-18	—	11.0	1.89	48.1	1.10	27.9	1
8GLP1-8FJX	7351-05205	1/2	12.7	3/4-16	—	7.0	2.02	51.4	1.24	31.5	1
10GLP1-10FJX	7351-05265	5/8	15.8	7/8-14	—	15.0	2.27	57.7	1.42	36.0	1
12GLP1-12FJX	7351-05325	3/4	19.0	1 1/16-12	—	1.0	2.56	64.9	1.47	37.4	1
BULK PACK											
4GLP1-4FJX XBULK	7351-0504	1/4	6.4	7/16-20	—	9.0	1.63	41.3	.96	24.3	600
6GLP1-6FJX XBULK	7351-0514	3/8	9.5	9/16-18	—	11.0	1.89	48.1	1.10	27.9	300
8GLP1-8FJX XBULK	7351-0520	1/2	12.7	3/4-16	—	7.0	2.02	51.4	1.24	31.5	200
10GLP1-10FJX XBULK	7351-0526	5/8	15.8	7/8-14	—	15.0	2.27	57.7	1.42	36.0	100
12GLP1-12FJX XBULK	7351-0532	3/4	19.0	1 1/16-12	—	1.0	2.56	64.9	1.47	37.4	100

Female JIC 37° Flare Swivel - 45° Short Bent Tube

Special GLP Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
4GLP1-4FJX45S	7351-11055	1/4	6.4	7/16-20	—	9.0	.39	10.0	2.37	60.2	1.74	44.2	1
6GLP1-6FJX45S	7351-11235	3/8	9.5	9/16-18	—	11.0	.43	11.0	2.96	75.1	2.22	56.4	1
8GLP1-8FJX45S	7351-09295	1/2	12.7	3/4-16	—	7.0	.59	15.0	2.96	75.1	2.17	55.2	1
10GLP1-10FJX45S	7351-09355	5/8	15.8	7/8-14	—	15.0	.63	16.0	3.21	81.5	2.35	59.8	1
12GLP1-12FJX45S	7351-09425	3/4	19.0	1 1/16-12	—	1.0	.83	21.0	3.94	100.0	2.85	72.5	1
BULK PACK													
4GLP1-4FJX45SXBULK	7351-1105	1/4	6.4	7/16-20	—	9.0	.39	10.0	2.37	60.2	1.74	44.2	200
6GLP1-6FJX45SXBULK	7351-1123	3/8	9.5	9/16-18	—	11.0	.43	11.0	2.96	75.1	2.22	56.4	150
8GLP1-8FJX45SXBULK	7351-0929	1/2	12.7	3/4-16	—	7.0	.59	15.0	2.96	75.1	2.17	55.2	100
10GLP1-10FJX45SXBULK	7351-0935	5/8	15.8	7/8-14	—	15.0	.63	16.0	3.21	81.5	2.35	59.8	100
12GLP1-12FJX45SXBULK	7351-0942	3/4	19.0	1 1/16-12	—	1.0	.83	21.0	3.94	100.0	2.85	72.5	75

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

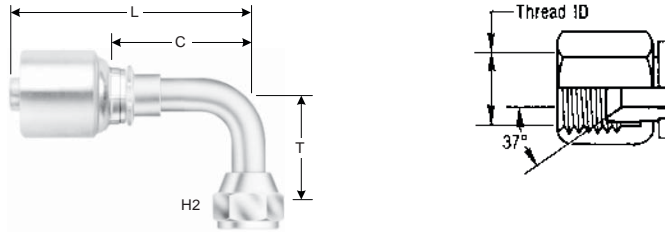




GLP Couplings

Female JIC 37° Flare Swivel - 90° Short Bent Tube

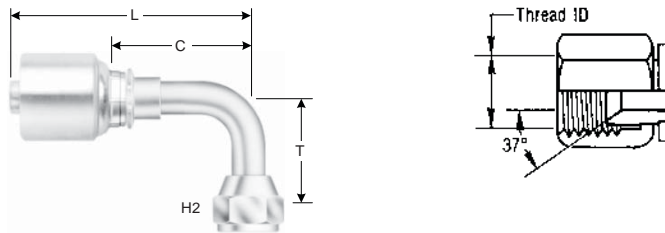
Special GLP Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
4GLP1-4FJX90S	7351-15045	1/4	6.4	7/16-20	—	9.0	.83	21.0	2.11	53.6	1.48	37.6	1
6GLP1-6FJX90S	7351-15205	3/8	9.5	9/16-18	—	11.0	.91	23.0	2.67	67.8	1.93	49.1	1
8GLP1-8FJX90S	7351-15285	1/2	12.7	3/4-16	—	7.0	1.14	29.0	2.59	65.7	1.80	45.8	1
10GLP1-10FJX90S	7351-15365	5/8	15.8	7/8-14	—	15.0	1.26	32.0	2.93	74.4	2.07	52.7	1
12GLP1-12FJX90S	7351-15465	3/4	19.0	1 1/16-12	—	1.0	1.89	48.0	3.78	96.0	2.70	68.5	1
BULK PACK													
4GLP1-4FJX90SXBULK	7351-1504	1/4	6.4	7/16-20	—	9.0	.83	21.0	2.11	53.6	1.48	37.6	200
6GLP1-6FJX90SXBULK	7351-1520	3/8	9.5	9/16-18	—	11.0	.91	23.0	2.67	67.8	1.93	49.1	250
8GLP1-8FJX90SXBULK	7351-1528	1/2	12.7	3/4-16	—	7.0	1.14	29.0	2.59	65.7	1.80	45.8	100
10GLP1-10FJX90SXBULK	7351-1536	5/8	15.8	7/8-14	—	15.0	1.26	32.0	2.93	74.4	2.07	52.7	100
12GLP1-12FJX90SXBULK	7351-1546	3/4	19.0	1 1/16-12	—	1.0	1.89	48.0	3.78	96.0	2.70	68.5	75

Female JIC 37° Flare Swivel - 90° Long Bent Tube

Special GLP Dies Required.



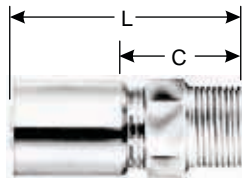
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		mm	mm	"	mm	"	mm	"	mm	
STANDARD PACK													
4GLP1-4FJX90L	7351-15065	1/4	6.4	7/16-20	—	9.0	1.81	46.0	2.11	53.6	1.48	37.6	1
6GLP1-6FJX90L	7351-15225	3/8	9.5	9/16-18	—	11.0	2.13	54.0	2.67	67.8	1.93	49.1	1
8GLP1-8FJX90L	7351-15305	1/2	12.7	3/4-16	—	7.0	2.52	64.0	2.69	68.4	1.91	48.5	1
10GLP1-10FJX90L	7351-15385	5/8	15.8	7/8-14	—	15.0	2.76	70.0	2.62	66.5	1.76	44.8	1
12GLP1-12FJX90L	7351-15445	3/4	19.0	1 1/16-12	—	1.0	3.78	96.0	3.27	83.0	2.19	55.5	1
BULK PACK													
4GLP1-4FJX90LXBULK	7351-1506	1/4	6.4	7/16-20	—	9.0	1.81	46.0	2.11	53.6	1.48	37.6	200
6GLP1-6FJX90LXBULK	7351-1522	3/8	9.5	9/16-18	—	11.0	2.13	54.0	2.67	67.8	1.93	49.1	150
8GLP1-8FJX90LXBULK	7351-1530	1/2	12.7	3/4-16	—	7.0	2.52	64.0	2.69	68.4	1.91	48.5	100
10GLP1-10FJX90LXBULK	7351-1538	5/8	15.8	7/8-14	—	15.0	2.76	70.0	2.62	66.5	1.76	44.8	100
12GLP1-12FJX90LXBULK	7351-1544	3/4	19.0	1 1/16-12	—	1.0	3.78	96.0	3.27	83.0	2.19	55.5	50



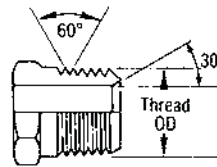



Male Pipe (NPTF - 30° Cone Seat)

Special GL Dies Required.



H1

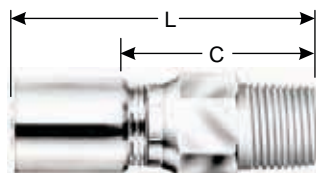


Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
12GL-12MP	7348-00015	3/4	19.0	3/4-14	1 3/4	—	3.46	88.0	1.46	37.0	1
12GL-16MP	7348-00025	3/4	19.0	1-11 1/2	1 3/8	—	1.77	92.5	1.64	41.6	1
16GL-16MP	7348-00035	1	25.4	1-11 1/2	1 3/8	—	4.11	104.5	1.88	47.7	1
20GL-20MP	7348-00045	1 1/4	31.8	1 1/4-11 1/2	1 3/4	—	2.13	112.0	2.09	53.0	1
24GL-24MP	7348-00055	1 1/2	38.1	1 1/2-11 1/2	2	—	4.83	122.7	2.19	55.7	1
32GL-32MP	7348-00065	2	50.8	2-11 1/2	2 1/2	—	5.39	137.0	2.33	59.2	1
BULK PACK											
12GL-12MPXBULK	7348-0001	3/4	19.0	3/4-14	1 3/4	—	3.46	88.0	1.46	37.0	50
16GL-16MPXBULK	7348-0003	1	25.4	1-11 1/2	1 3/8	—	4.11	104.5	1.88	47.7	40
20GL-20MPXBULK	7348-0004	1 1/4	31.8	1 1/4-11 1/2	1 3/4	—	2.13	112.0	2.09	53.0	20
24GL-24MPXBULK	7348-0005	1 1/2	38.1	1 1/2-11 1/2	2	—	4.83	122.7	2.19	55.7	25
32GL-32MPXBULK	7348-0006	2	50.8	2-11 1/2	2 1/2	—	5.39	137.0	2.33	59.2	12

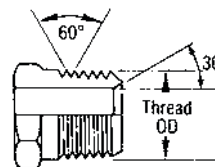
Male Pipe Swivel (NPTF - Without 30° Cone Seat)


NOT TO BE USED AS A LIVE SWIVEL.

Special GL Dies Required.



H2



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
12GL-12MPX	7348-00105	3/4	19.0	3/4-14	—	1 5/16	4.02	102.0	2.01	51.0	1
16GL-16MPX	7348-00115	1	25.4	1-11 1/2	—	1 5/8	4.73	120.2	2.50	63.4	1
BULK PACK											
12GL-12MPX XBULK	7348-0010	3/4	19.0	3/4-14	—	1 5/16	4.02	102.0	2.01	51.0	50
16GL-16MPX XBULK	7348-0011	1	25.4	1-11 1/2	—	1 5/8	4.73	120.2	2.50	63.4	25

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



GL Couplings



EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

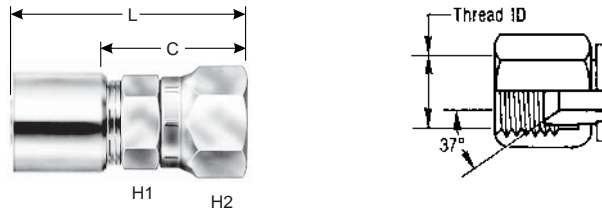
NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

Female JIC 37° Flare Swivel

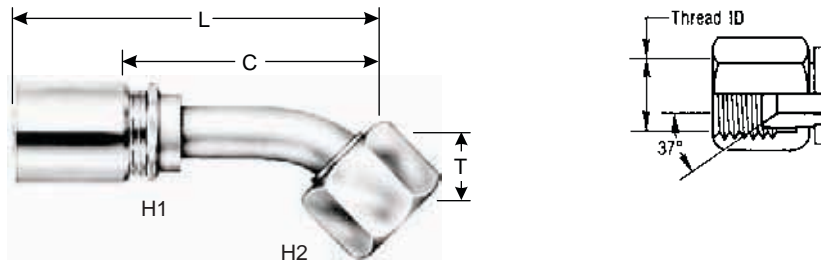
Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
12GL-12FJX	7348-00205	3/4	19.0	1 1/16-12	1 1/16	1 1/4	3.68	93.5	1.67	42.5	1
12GL-14FJX	7348-00215	3/4	19.0	1 3/16-12	1 1/8	1 3/8	3.65	92.7	1.64	41.6	1
12GL-16FJX	7348-00225	3/4	19.0	1 5/16-12	1 1/4	1 1/2	3.78	96.0	1.77	45.0	1
16GL-16FJX	7348-00235	1	25.4	1 5/16-12	1 3/8	1 1/2	4.17	106.0	1.94	49.2	1
20GL-20FJX	7348-00245	1 1/4	31.8	1 5/8-12	1 3/4	2	4.58	116.4	2.26	57.4	1
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
24GL-24FJX	7348-00255	1 1/2	38.1	1 7/8-12	2	2 1/4	5.19	131.7	2.55	64.7	1
32GL-32FJX	7348-00265	2 1/2	63.5	3-12	2 1/2	3 1/2	5.98	152.0	2.92	73.9	1
40GL-40FJX	7305-05475	2 1/2	63.5	2 1/2	3	3 1/2	5.36	136.4	2.91	73.9	1
BULK PACK											
12GL-12FJX XBULK	7348-0020	3/4	19.0	1 1/16-12	1 1/16	1 1/4	3.68	93.5	1.67	42.5	50
16GL-16FJX XBULK	7348-0023	1	25.4	1 5/16-12	1 3/8	1 1/2	4.17	106.0	1.94	49.2	25
20GL-20FJX XBULK	7348-0024	1 1/4	31.8	1 5/8-12	1 3/4	2	4.58	116.4	2.26	57.4	25
24GL-24FJX XBULK	7348-0025	1 1/2	38.1	1 7/8-12	2	2 1/4	5.19	131.7	2.55	64.7	15
32GL-32FJX XBULK	7348-0026	2	63.5	2 1/2-12	2 1/2	3 1/2	5.98	152.0	2.92	73.9	12

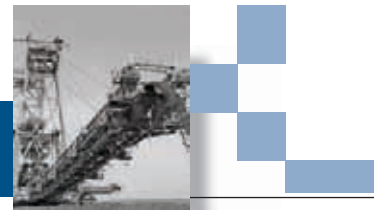
Female JIC 37° Flare Swivel - 45° Short Bent Tube

Special GL Dies Required.



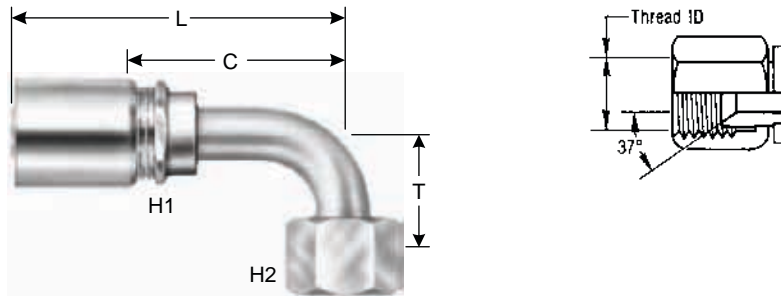
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
12GL-12FJX45S-021	7348-01265	3/4	19.0	1 1/16-12	1 1/16	1 1/4	.83	21.0	4.76	121.0	2.76	70.0	1





Female JIC 37° Flare Swivel - 90° Short Bent Tube

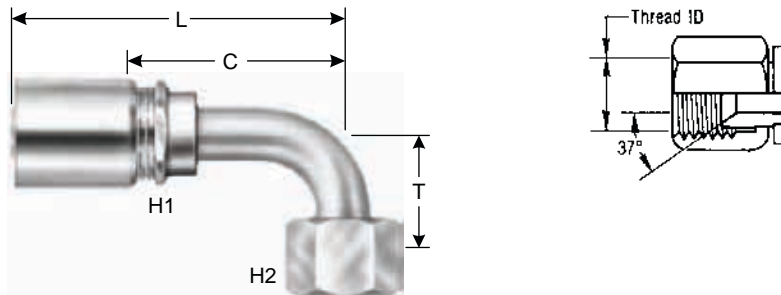
Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
12GL-12FJX90S	7348-01385	3/4	19.0	1 1/16-12	1 1/16	1 1/4	1.89	48.0	4.61	117.0	2.60	66.0	1
16GL-16FJX90S	7348-01485	1	25.4	1 5/16-12	1 3/8	1 1/2	2.20	56.0	5.12	130.0	2.88	73.2	1
BULK PACK													
12GL-12FJX90SXBULK	7348-0138	3/4	19.0	1 1/16-12	1 1/16	1 1/4	1.89	48.0	4.61	117.0	2.60	66.0	50
16GL-16FJX90SXBULK	7348-0148	1	25.4	1 5/16-12	1 3/8	1 1/2	2.20	56.0	5.12	130.0	2.88	73.2	30

Female JIC 37° Flare Swivel - 90° Medium Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
20GL-20FJX90M	7348-01525	1 1/4	31.8	1 5/8-12	1 3/4	2	3.07	78.0	6.24	158.4	3.91	99.4	1
24GL-20FJX90M	7348-01585	1 1/2	38.1	1 5/8-12	1 3/4	2	3.07	78.0	6.24	158.4	3.91	99.4	1
24GL-24FJX90-092	7348-01545	1 1/2	38.1	1 7/8-12	2	2 1/4	4.05	98.0	7.10	173.2	4.85	110.7	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

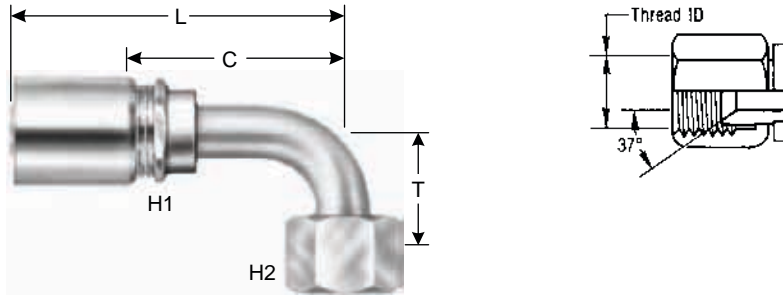




GL Couplings

Female JIC 37° Flare Swivel - 90° Long Bent Tube

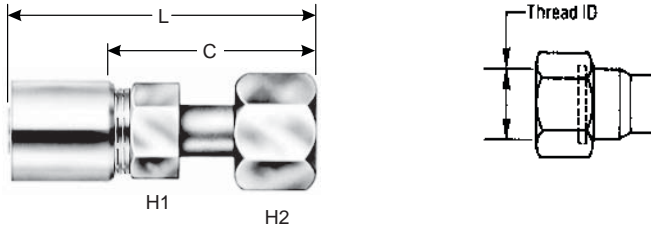
Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
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	75.1	1

Female Flat-Face Swivel

SAE J1453 O-Ring Face Seal.
Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
12GL-12FFORX	7348-00305	3/4	19.0	1 3/16-12	1 1/16	1 3/8	3.78	96.0	1.77	45.0	1
16GL-16FFORX	7348-00355	1	25.4	1 7/16-12	1 3/8	1 5/8	4.46	113.4	2.22	56.5	1
20GL-20FFORX	7348-00365	1 1/4	31.8	1 11/16-12	1 3/4	1 7/8	4.50	114.4	2.18	55.4	1

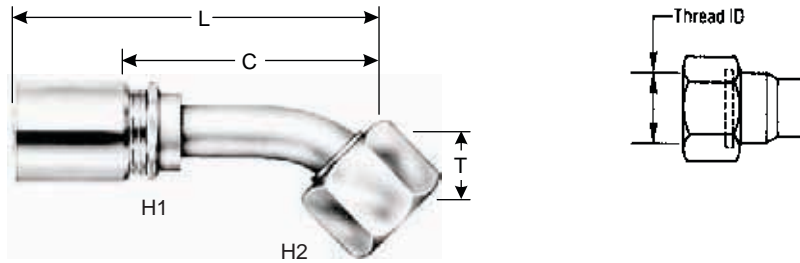
- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS





Female Flat-Face Swivel - 45° Short Bent Tube

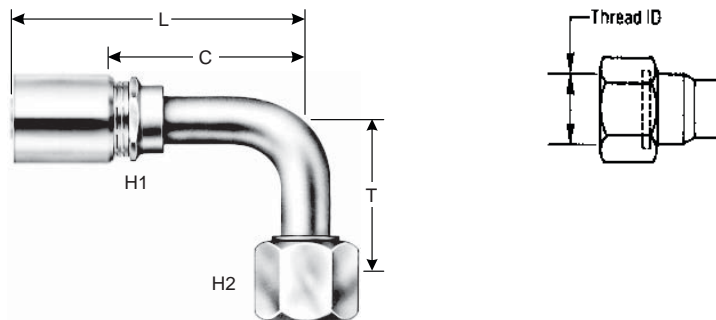
SAE J1453 O-Ring Face Seal.
Special GL Dies Required.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
12GL-12FFORX45S	7348-00405	3/4	19.1	1 7/16-12	1 1/16	1 3/8	.83	21.0	4.67	118.5	2.66	67.5	1
16GL-16FFORX45S	7348-00415	1	25.4	1 7/16-12	1 3/8	1 5/8	.94	24.0	5.08	129.1	2.85	72.3	1
20GL-20FFORX45S	7348-00425	1 1/2	31.8	1 11/16-12	1 3/4	1 7/8	.98	25.0	5.81	147.6	3.49	88.6	1

Female Flat-Face Swivel - 90° Short Bent Tube

SAE J1453 O-Ring Face Seal.
Special GL Dies Required.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
12GL-12FFORX90S	7348-00455	3/4	19.1	1 3/16-12	1 1/16	1 3/8	1.89	48.0	4.28	108.8	2.28	57.8	1
16GL-16FFORX90S	7348-00465	1	25.4	1 7/16-12	1 3/8	1 5/8	2.20	56.0	5.11	129.9	2.88	73.1	1
20GL-20FFORX90S	7348-00475	1 1/4	31.8	1 11/16-12	1 3/4	1 7/8	2.52	64.0	5.51	140.0	3.19	81.0	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

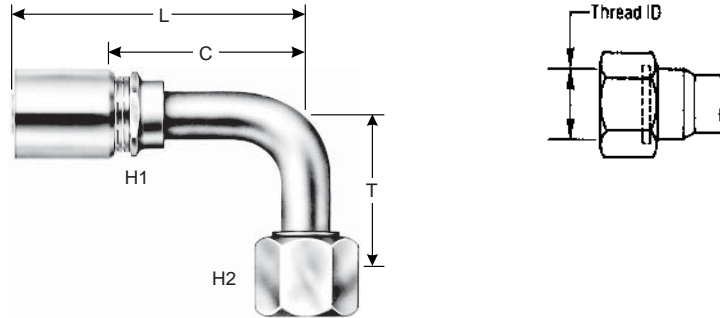




GL Couplings

Female Flat-Face Swivel - 90° Medium Bent Tube

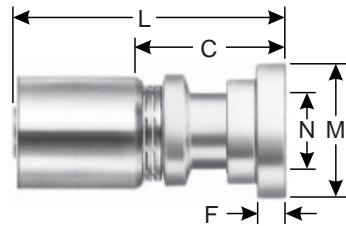
SAE J1453 O-Ring Face Seal.
Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
12GL-12FFORX90M	7348-02155	3/4	19.1	1 3/16-12	1 1/16	1 1/4	1.89	48.0	4.61	117.0	2.60	66.0	1

Code 61 O-Ring Flange

Special GL Dies Required.



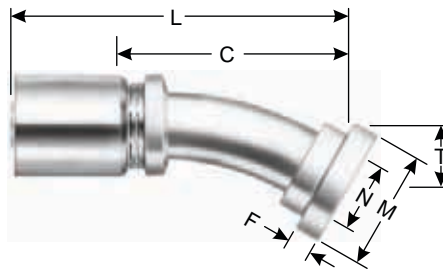
Descr.	Prod. No.	⊖		N	M	L		C		F		Std. Pack	
		"	mm	"	"	"	mm	"	mm	"	mm		
STANDARD PACK													
12GL-12FL	7348-00505	3/4	19.0	3/4	1.50	38.1	3.86	98.0	1.85	47.0	.27	6.7	1
16GL-16FL	7348-00555	1	25.4	1	1.75	44.5	3.78	96.0	1.54	39.2	.32	8.0	1
20GL-20FL	7348-00525	1 1/4	31.8	1 1/4	2.00	50.8	4.43	112.5	2.11	53.5	.32	8.0	1
24GL-24FL	7348-00535	1 1/2	38.1	1 1/2	2.38	60.5	4.94	125.4	2.30	58.4	.32	8.0	1
32GL-32FL	7348-00545	2	50.8	2	2.81	71.4	5.61	142.5	2.54	64.5	.38	9.5	1
40GL-40FL	7305-05505	2 1/2	63.5	2 1/2	3.31	84.1	5.66	143.8	3.15	80.0	.38	9.5	1
40GL-48FL	7305-05605	2 1/2	63.5	3	4.00	101.6	5.66	143.8	3.21	81.5	.38	9.5	1
40GL-56FL	7305-05705	2 1/2	63.5	3 1/2	4.50	114.3	5.33	135.4	2.77	70.3	.44	11.2	1
40GL-64FL	7305-05795	2 1/2	63.5	4	5.00	127.0	5.33	135.4	2.88	73.2	.44	11.2	1
48GL-48FL	7305-05805	3	76.2	3	4.00	101.6	6.54	166.1	3.46	87.9	.32	8.0	1
56GL-56FL	7305-06305	3 1/2	88.9	3 1/2	4.50	114.3	6.70	170.2	3.06	77.7	.32	8.0	1
64GL-64FL	7305-06695	4	101.6	4	5.00	127.0	7.74	196.6	3.70	94.0	.44	11.2	1
BULK PACK													
20GL-20FLXBULK	7348-0052	1 1/4	31.8	1 1/4	2.00	50.8	4.43	112.5	2.11	53.5	.32	8.0	25
32GL-32FLXBULK	7348-0054	2	50.8	2	2.81	71.4	5.61	142.5	2.54	64.5	.38	9.5	12





Code 61 O-Ring Flange - 22° Bent Tube

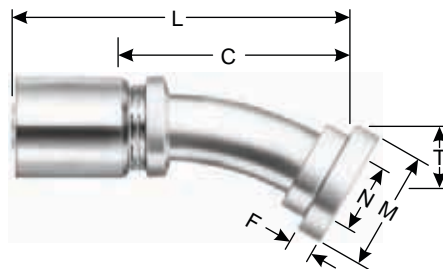
Special GL Dies Required.



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
24GL-24FL22M-018	7348-00575	1/12	38.1	1/12	2.38	60.5	.71	18.0	6.39	162.3	3.76	95.4	.32	8.1	1	
40GL-40FL22	7305-05515	2 1/2	63.5	2 1/2	3.31	84.1	.63	16.0	6.81	173.0	4.36	110.7	.38	9.5	1	
40GL-48FL22	7305-05615	2 1/2	63.5	3	4.00	101.6	.67	17.0	6.86	174.2	4.41	112.0	.38	9.5	1	

Code 61 O-Ring Flange - 30° Medium Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12GL-12FL30M	7348-00605	3/4	19.1	3/4	1.50	38.1	.63	16.0	4.51	114.6	2.50	63.5	.27	6.9	1	
16GL-16FL30M	7348-00615	1	25.4	1	1.75	44.5	.75	19.0	4.92	125.0	2.69	68.3	.32	8.1	1	
20GL-20FL30M	7348-00625	1 1/4	31.8	1 1/4	2.00	50.8	.87	22.0	5.37	136.4	3.05	77.5	.32	8.1	1	
24GL-24FL30M	7348-00635	1 1/2	38.1	1 1/2	2.38	60.5	1.18	30.0	6.86	174.2	4.22	107.3	.32	8.1	1	
32GL-32FL30M	7348-00645	2	50.8	2	2.81	71.4	1.26	32.0	7.78	197.6	4.72	119.8	.38	9.5	1	
40GL-40FL30	7305-05525	2 1/2	63.5	2 1/2	3.31	84.1	1.08	27.4	7.30	185.4	4.85	123.2	.38	9.5	1	
40GL-48FL30	7305-05625	2 1/2	63.5	3	4.00	101.6	1.08	27.4	7.36	186.9	4.91	124.7	.38	9.5	1	
48GL-48FL30	7305-05825	3	76.2	3	4.00	101.6	1.12	28.4	8.23	209.0	5.15	130.8	.38	9.5	1	
BULK PACK																
32GL-32FL30MXBULK	7348-0064	2	50.8	2	2.81	71.4	1.26	32.0	7.78	197.6	4.72	119.8	.38	9.5	9	

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

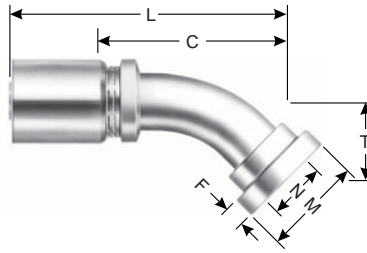


GL Couplings



Code 61 O-Ring Flange - 45° Short Bent Tube

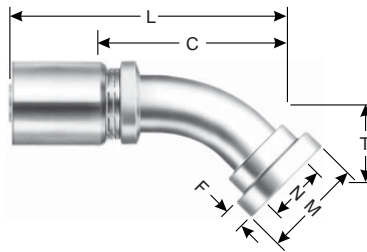
Special GL Dies Required.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
16GL-16FL45S	7348-00715	1	25.4	1	1.75	44.5	1.10	28.0	5.11	129.8	2.87	72.9	.32	8.1	1
20GL-20FL45S	7348-00725	1 1/4	31.8	1 1/4	2.00	50.8	1.26	32.0	5.59	142.0	3.29	83.6	.32	8.1	1
24GL-24FL45S	7348-00735	1 1/2	38.1	1 1/2	2.38	60.5	1.50	38.0	6.62	168.2	3.99	101.3	.32	8.1	1
32GL-32FL45S	7348-00745	2	50.8	2	2.81	71.4	2.05	52.0	8.07	204.9	5.00	127.1	.38	9.5	1
40GL-40FL45	7305-05535	2 1/2	63.5	2 1/2	3.31	84.1	1.72	43.7	7.72	196.1	5.27	133.8	.38	9.5	1
40GL-48FL45	7305-05635	2 1/2	63.5	3	4.00	101.6	1.76	44.7	7.76	197.1	5.31	134.9	.38	9.5	1
48GL-48FL45	7305-05835	3	76.2	3	4.00	101.6	2.03	51.6	9.18	233.2	6.10	154.9	.38	9.5	1
48GL-56FL45	7305-05895	3	76.2	3 1/2	4.50	114.3	2.03	51.6	12.38	314.4	9.30	236.2	—	11.2	1
56GL-56FL45	7305-06335	3 1/2	88.9	3 1/2	4.50	114.3	2.13	54.1	9.66	245.4	6.02	152.9	.44	11.2	1
56GL-64FL45	7305-06385	3 1/2	88.9	4	5.00	127.0	2.13	54.1	9.66	245.4	6.02	152.9	.44	11.2	1
64GL-64FL45	7305-06725	4	101.6	4	5.00	127.0	3.61	91.7	12.70	322.3	8.66	153.0	.44	11.2	1
BULK PACK															
32GL-32FL45SXBULK	7348-0074	2	38.1	2	2.81	71.4	2.05	52.0	8.07	204.9	5.00	127.1	.38	9.5	5

Code 61 O-Ring Flange - 45° Medium Bent Tube

Special GL Dies Required.



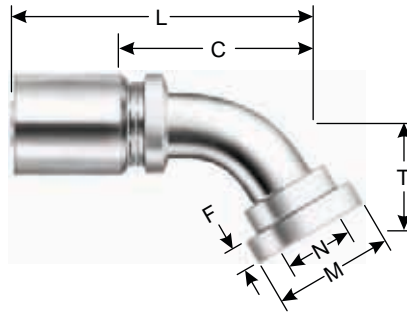
Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK															
12GL-12FL45M	7348-00705	3/4	19.1	3/4	1.50	38.1	1.02	26.0	4.67	118.6	2.66	67.6	.27	8.0	1





Code 61 O-Ring Flange - 60° Short Bent Tube

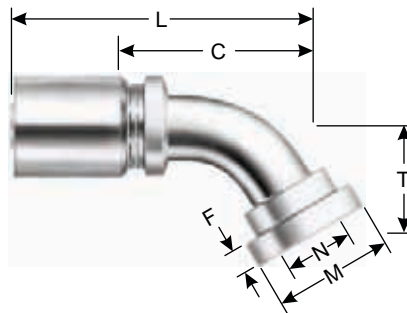
Special GL Dies Required.



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
20GL-20FL60S	7348-00825	1 1/4	31.8	1 1/4	2.00	50.8	1.77	45.0	5.67	144.0	3.35	85.1	.32	8.1	1	
24GL-24FL60S	7348-00835	1 1/2	38.1	1 1/2	2.38	60.5	2.09	53.0	6.63	168.4	3.99	101.4	.32	8.1	1	
32GL-32FL60S	7348-00845	2	50.8	2	2.81	71.4	2.95	75.0	8.59	218.1	5.52	140.3	.38	9.5	1	
40GL-40FL60	7305-05545	2 1/2	63.5	2 1/2	3.31	84.1	2.63	66.8	8.13	206.5	5.68	144.3	.38	9.5	1	
48GL-48FL60	7305-05845	3	76.2	3	4.00	101.6	3.11	79.0	9.66	245.4	6.58	167.1	.38	9.5	1	

Code 61 O-Ring Flange - 60° Medium Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖		N		M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm		
STANDARD PACK																
12GL-12FL60M	7348-00805	3/4	19.1	3/4	1.50	38.1	1.46	37.0	4.61	117.1	2.60	66.0	.27	8.0	1	
16GL-16FL60M	7348-00815	1	25.4	1	1.75	44.5	1.73	44.0	5.14	130.6	2.90	73.7	.32	8.1	1	

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

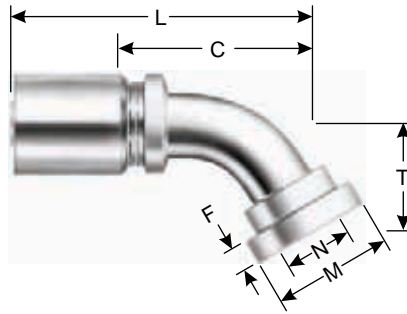




GL Couplings

Code 61 O-Ring Flange - 67½° Short Bent Tube

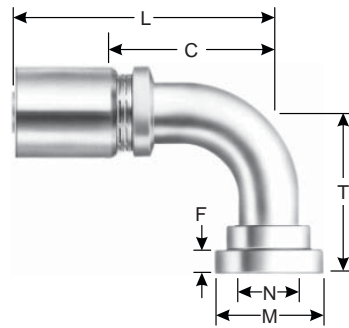
Special GL Dies Required.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
32GL-32FL67S	7348-00875	2	50.8	2	2.81	71.4	3.35	85.0	8.56	217.3	5.49	139.5	.38	9.5	1
40GL-40FL67	7305-05555	2 1/2	63.5	2 1/2	3.31	84.1	3.13	79.5	8.22	208.8	5.77	146.6	.38	9.5	1
48GL-48FL67	7305-05905	3	76.2	3	4.00	101.6	3.87	98.3	9.50	241.3	6.42	163.1	.38	9.5	1
64GL-64FL67	7305-06635	4	101.6	4	5.00	127.0	6.90	175.3	14.20	360.7	10.17	258.3	.44	11.2	1

Code 61 O-Ring Flange - 90° Short Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm		"	"	mm	"	mm	"	mm	"	mm	"	
STANDARD PACK															
12GL-16FL90S	7348-00915	3/4	19.0	1	1.75	44.5	2.40	61.0	4.40	111.7	2.39	60.7	.32	8.1	1
16GL-16FL90S	7348-00925	1	25.4	1	1.75	44.5	2.40	61.0	5.04	128.1	2.81	71.3	.32	8.1	1
16GL-20FL90S	7348-00935	1	25.4	1 1/4	2.00	50.8	2.68	68.0	5.04	128.1	2.81	71.3	.32	8.1	1
20GL-20FL90S	7348-00945	1 1/4	31.8	1 1/4	2.00	50.8	2.68	68.0	5.41	137.5	3.09	78.5	.32	8.1	1
20GL-24FL90-068	7348-00955	1 1/4	31.8	1 1/2	2.38	60.5	2.68	68.0	5.41	137.5	3.09	78.5	.32	8.1	1
24GL-24FL90S	7348-00965	1 1/2	38.1	1 1/2	2.38	60.5	3.12	79.2	6.26	159.0	3.62	91.9	.32	8.1	1
32GL-32FL90S	7348-00975	2	50.8	2	2.81	71.4	4.50	114.3	8.73	221.7	5.20	132.1	.38	9.5	1
40GL-40FL90	7305-05565	2 1/2	63.5	2 1/2	3.31	84.1	4.62	117.3	8.06	204.7	5.61	142.5	.38	9.5	1
40GL-48FL90	7305-05665	2 1/2	63.5	3	4.00	101.6	4.62	117.3	8.12	206.2	5.67	144.0	.38	9.5	1
40GL-56FL90	7305-05765	2 1/2	63.5	3 1/2	4.50	114.3	4.62	117.3	8.25	209.6	5.80	147.3	.38	11.2	1
48GL-48FL90	7305-05855	3	76.2	3	4.00	101.6	5.50	139.7	9.70	246.4	6.62	168.1	.38	9.5	1
56GL-56FL90	7305-06365	3 1/2	88.9	3 1/2	4.50	114.3	5.63	143.0	10.17	258.3	6.53	165.9	.38	11.2	1
56GL-64FL90	7305-06395	3 1/2	88.9	4	5.00	127.0	6.90	175.3	10.09	256.3	6.45	163.8	.38	11.2	1
64GL-64FL90	7305-06645	4	101.6	4	5.00	127.0	7.38	187.4	12.61	320.3	8.58	217.9	.38	11.2	1



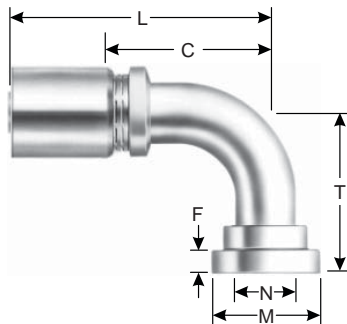


Code 61 O-Ring Flange - 90° Short Bent Tube - Cont'd

Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm	
BULK PACK															
16GL-16FL90SXBULK	7348-0092	1	25.4	1	1.75	44.5	2.40	61.0	5.04	128.1	2.81	71.3	.32	8.1	25
20GL-20FL90SXBULK	7348-0094	1 1/4	31.8	1 1/4	2.00	50.8	2.68	68.0	5.41	137.5	3.09	78.5	.32	8.1	15
32GL-32FL90SXBULK	7348-0097	2	50.8	2	2.81	71.4	4.50	114.3	8.73	221.7	5.20	132.1	.38	9.5	5

Code 61 O-Ring Flange - 90° Medium Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖		N	M		T		L		C		F		Std. Pack
		"	mm	"	"	mm	"	mm	"	mm	"	mm	"	mm	
STANDARD PACK															
12GL-12FL90M	7348-00905	3/4	19.0	3/4	1.50	38.1	2.28	58.0	4.40	111.7	2.39	60.7	.27	6.9	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

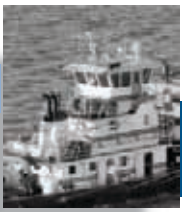
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

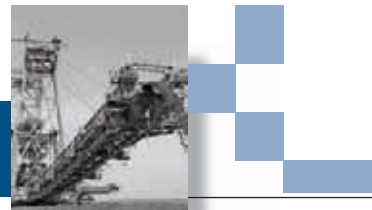
EQUIPMENT AND PARTS



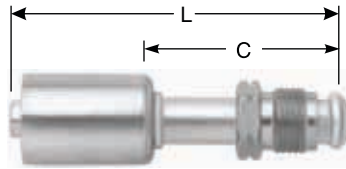


Notes



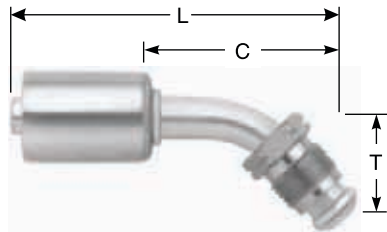


Male SAE 45° Flare - Aluminum



Descr.	Prod. No.	⊖		L	C	Std. Pack
		"		"	"	
STANDARD PACK						
6ACA-6MS	7332-00015	5/16	5/8-18	3.38	2.13	1
8ACA-8MS	7332-00025	13/32	3/4-16	3.50	2.25	1
10ACA-10MS	7332-00035	1/2	7/8-14	3.81	2.56	1
12ACA-12MS	7332-00045	5/8	1 1/16-14	4.00	2.75	1

Male SAE 45° Flare - 45° Bent Tube - Aluminum



Descr.	Prod. No.	⊖		T	L	C	Std. Pack
		"		"	"	"	
STANDARD PACK							
6ACA-6MS45	7332-00055	5/16	5/8-18	.94	3.25	2.00	1
8ACA-8MS45	7332-00065	13/32	3/4-16	1.06	3.50	2.25	1
10ACA-10MS45	7332-00075	1/2	7/8-14	1.12	3.87	2.62	1
12ACA-12MS45	7332-00085	5/8	1 1/16-14	1.25	4.25	3.00	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBASPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

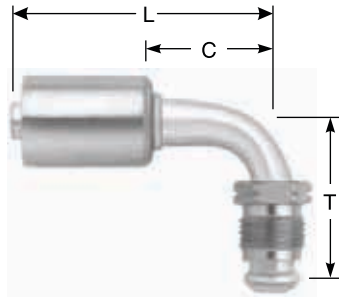
EQUIPMENT AND PARTS





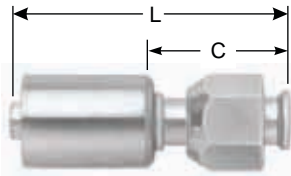
PolarSeal® Couplings

Male SAE 45° Flare - 90° Bent Tube - Aluminum



Descr.	Prod. No.			T	L	C	Std. Pack
		"		"	"	"	
STANDARD PACK							
6ACA-6MS90	7332-00095	5/16	5/8-18	1.75	2.56	1.31	1
8ACA-8MS90	7332-00105	13/32	3/4-16	1.81	2.75	1.50	1
10ACA-10MS90	7332-00115	1/2	7/8-14	2.19	3.00	1.75	1
12ACA-12MS90	7332-00125	5/8	1 1/16-14	2.45	3.25	2.00	1

Female SAE 45° Flare Swivel - Aluminum



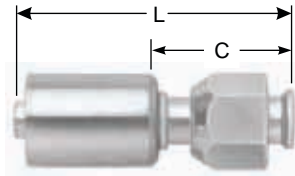
Descr.	Prod. No.			L	C	Std. Pack
		"		"	"	
STANDARD PACK						
6ACA-6FSX	7332-00135	5/16	5/8-18	2.88	1.63	1
6ACA-8FSX	7332-00145	5/16	3/4-16	2.69	1.44	1
8ACA-6FSX	7332-02825	13/32	5/8-18	2.69	1.44	1
8ACA-8FSX	7332-00155	13/32	3/4-16	2.69	1.44	1
10ACA-8FSX	7332-02835	1/2	3/4-16	3.00	1.75	1
10ACA-10FSX	7332-00165	1/2	7/8-14	3.00	1.75	1
12ACA-10FSX	7332-00175	5/8	7/8-14	3.25	2.00	1
12ACA-12FSX	7332-00185	5/8	1 1/16-14	3.25	2.00	1


EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



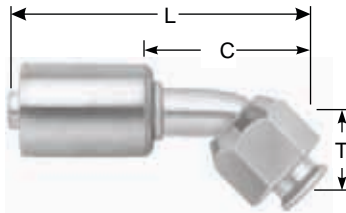



Female SAE 45° Flare Swivel - Steel



Descr.	Prod. No.	⊖		L	C	Std. Pack
		"		"	"	
STANDARD PACK						
6ACA-6FSX-S	7332-01755	5/16	5/8-18	2.88	1.60	1
8ACA-8FSX-S	7332-01765	13/32	3/4-16	2.69	1.44	1
10ACA-10FSX-S	7332-01775	1/2	7/8-14	3.00	1.75	1

Female SAE 45° Flare Swivel - 45° Bent Tube - Aluminum



Descr.	Prod. No.	⊖		T	L	C	Std. Pack
		"		"	"	"	
STANDARD PACK							
6ACA-6FSX45	7332-00195	5/16	5/8-18	.56	2.87	1.62	1
6ACA-8FSX45	7332-02845	5/16	3/4-16	.63	3.04	1.79	1
8ACA-6FSX45	7332-02855	13/32	5/8-18	.63	3.04	1.79	1
8ACA-8FSX45	7332-00205	13/32	3/4-16	.63	3.07	1.82	1
10ACA-8FSX45	7332-02865	1/2	3/4-16	.88	3.60	2.35	1
10ACA-10FSX45	7332-00215	1/2	7/8-14	.88	3.63	2.38	1
12ACA-10FSX45	7332-02875	5/8	7/8-14	1.00	3.97	2.72	1
12ACA-12FSX45	7332-00225	5/8	1 1/16-14	1.00	4.00	2.75	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

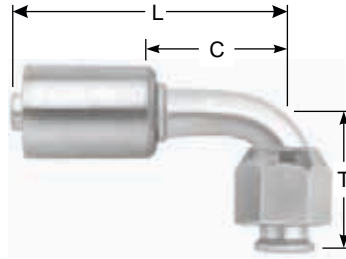
EQUIPMENT AND PARTS





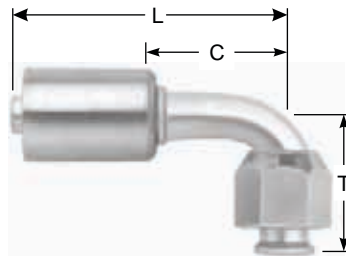
PolarSeal® Couplings

Female SAE 45° Flare Swivel - 90° Bent Tube - Aluminum



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6FSX90	7332-00235	5/16	5/8-18	1.06	2.56	1.31	1
6ACA-8FSX90	7332-00245	5/16	3/4-16	1.25	2.75	1.50	1
8ACA-6FSX90	7332-02885	13/32	5/8-18	1.25	2.75	1.50	1
8ACA-8FSX90	7332-00255	13/32	3/4-16	1.25	2.75	1.50	1
10ACA-8FSX90	7332-02895	1/2	3/4-16	1.50	3.00	1.75	1
10ACA-10FSX90	7332-00265	1/2	7/8-14	1.50	3.00	1.75	1
12ACA-10FSX90	7332-00275	5/8	7/8-14	1.50	3.25	2.00	1
12ACA-12FSX90	7332-00285	5/8	1 1/16-14	1.50	3.85	2.00	1

Female SAE 45° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6FSX90-S	7332-01785	5/16	5/8-18	1.06	2.56	1.31	1
8ACA-8FSX90-S	7332-01795	13/32	3/4-16	1.25	2.75	1.50	1
10ACA-10FSX90-S	7332-01805	1/2	7/8-14	1.50	3.00	1.75	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

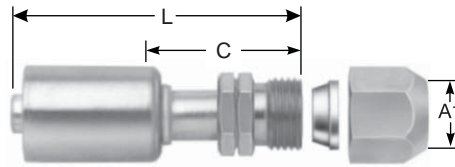
ACCESSORIES

EQUIPMENT AND PARTS



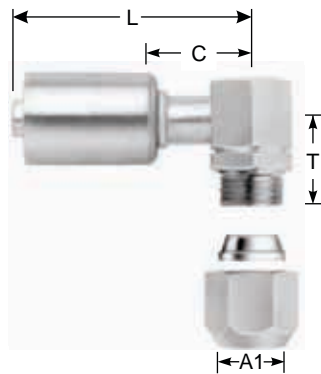


Male SAE Flareless Assembly - Aluminum



Descr.	Prod. No.				L	C	Std. Pack
		"		"			
STANDARD PACK							
6ACA-6MFA	7332-00295	5/16	5/8-18	.38	2.69	1.44	1
6ACA-8MFA	7332-02905	5/16	3/4-16	.50	2.81	1.56	1
8ACA-6MFA	7332-02915	13/32	5/8-18	.37	2.75	1.50	1
8ACA-8MFA	7332-00305	13/32	3/4-16	.50	2.88	1.63	1
8ACA-10MFA	7332-00315	13/32	7/8-14	.63	3.00	1.75	1
10ACA-8MFA	7332-00325	1/2	3/4-16	.50	2.94	1.69	1
10ACA-10MFA	7332-00335	1/2	7/8-14	.63	3.00	1.75	1
12ACA-10MFA	7332-00345	5/8	7/8-14	.63	3.13	1.88	1
12ACA-12MFA	7332-00355	5/8	1 1/16-12	.75	3.25	2.00	1

Male SAE Flareless Assembly - 90° Block - Aluminum



Descr.	Prod. No.				T	L	C	Std. Pack
		"		"				
STANDARD PACK								
6ACA-6MFA90	7332-00365	5/16	5/8-18	3/8	.78	2.24	.99	1
6ACA-8MFA90	7332-02925	5/16	3/4-16	1/2	.96	2.31	1.06	1
8ACA-6MFA90	7332-02935	13/32	5/8-18	3/8	.78	2.28	1.03	1
8ACA-8MFA90	7332-00375	13/32	3/4-16	1/2	.96	2.37	1.12	1
8ACA-10MFA90	7332-00385	13/32	7/8-14	5/8	1.08	2.43	1.18	1
10ACA-8MFA90	7332-00395	1/2	3/4-16	1/2	.96	2.38	1.13	1
10ACA-10MFA90	7332-00405	1/2	7/8-14	5/8	1.08	2.44	1.19	1
12ACA-10MFA90	7332-00415	5/8	7/8-14	5/8	1.08	2.56	1.31	1
12ACA-12MFA90	7332-00425	5/8	1 1/16-12	3/4	1.19	2.66	1.41	1

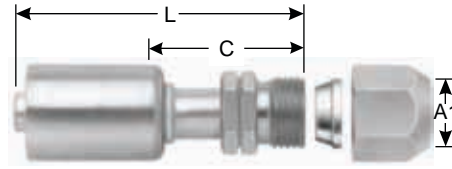
EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



PolarSeal® Couplings



Male Metric Flareless Assembly - Aluminum



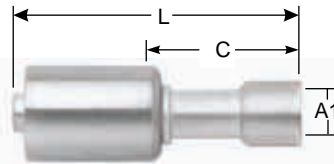
Descr.	Prod. No.			A1	L	C	Std. Pack
		"	"	mm	"	"	
STANDARD PACK							
6ACA-8MMFA	7332-01025	5/16	5/8-18	8.0	2.77	1.52	1
8ACA-12MMFA	7332-01035	13/32	3/4-16	12.0	3.00	1.75	1
10ACA-14.5MMFA	7332-01045	1/2	7/8-14	14.5	3.12	1.87	1

Female Flareless Nut - Aluminum



Descr.	Prod. No.		A1	Std. Pack
			"	
STANDARD PACK				
8ACFFN	7332-04145	3/4-16	1/2	5

Female Braze-On Stems - Aluminum



Descr.	Prod. No.		A1	L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6FBO	7332-02945	3/8	.38	2.10	.85	1
8ACA-8FBO	7332-02955	13/32	1/2	2.10	.85	1
10ACA-10FBO	7332-02965	1/2	5/8	2.10	.85	1
12ACA-10FBO	7332-02975	5/8	5/8	2.10	.85	1
12ACA-12FBO	7332-02985	5/8	3/4	2.10	.85	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

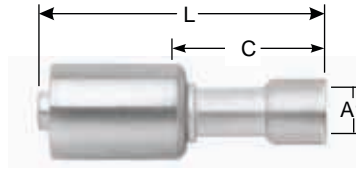
ACCESSORIES

EQUIPMENT AND PARTS



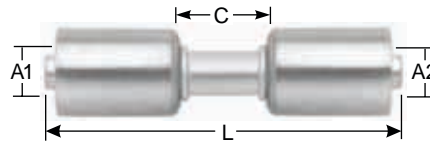


Female Braze-On Stems - Steel



Descr.	Prod. No.	\ominus	$\text{O} \text{ A1}$	L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6FBO-S	7332-01905	5/16	3/8	2.10	.85	1
8ACA-8FBO-S	7332-01915	13/32	1/2	2.10	.85	1
10ACA-10FBO-S	7332-01925	1/2	.68	2.10	.85	1
12ACA-10FBO-S	7332-01945	5/8	.75	2.10	.85	1
12ACA-12FBO-S	7332-01935	5/8	.68	2.10	.85	1

Hose Length Extender - Aluminum



Descr.	Prod. No.	O		L	C	Std. Pack
		A1	A2			
STANDARD PACK						
6ACA-6HLE	7332-01385	5/16	5/16	4.00	1.50	1
6ACA-8HLE	7332-01395	5/16	13/32	4.00	1.50	1
8ACA-8HLE	7332-01405	13/32	13/32	4.00	1.50	1
8ACA-10HLE	7332-01415	13/32	1/2	4.13	1.63	1
10ACA-10HLE	7332-01425	1/2	1/2	4.13	1.63	1
12ACA-10HLE	7332-02995	1/2	5/8	4.25	1.75	1
12ACA-12HLE	7332-01435	5/8	5/8	4.25	1.75	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

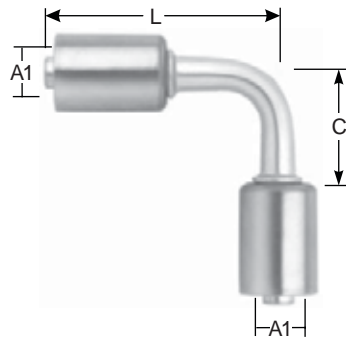




PolarSeal® Couplings

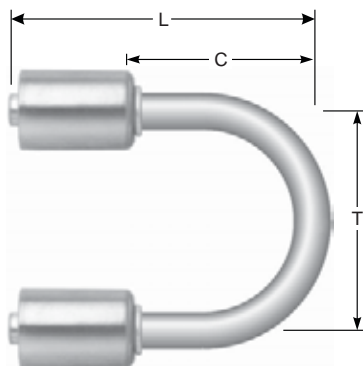
- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS**
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

Hose Length Extender - 90° Bent Tube - Aluminum



Descr.	Prod. No.	⊙ A1	L	C	Std. Pack
		"	"	"	
STANDARD PACK					
6ACA-6HLE90	7332-01445	5/16	2.50	1.25	1
8ACA-8HLE90	7332-01455	13/32	2.62	1.37	1
10ACA-10HLE90	7332-01465	1/2	2.88	1.63	1
12ACA-12HLE90	7332-01475	5/8	3.25	2.00	1

Hose Length Extender - 180° Bent Tube - Aluminum

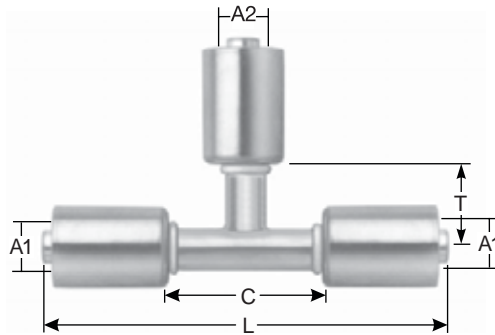


Descr.	Prod. No.	⊖	T	L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6HLE180	7332-02255	5/16	3.00	3.88	2.63	1
8ACA-8HLE180	7332-02265	13/32	3.00	4.00	2.75	1
10ACA-10HLE180	7332-02275	1/2	3.00	4.13	2.88	1
12ACA-12HLE180	7332-02285	5/8	3.00	4.50	3.25	1



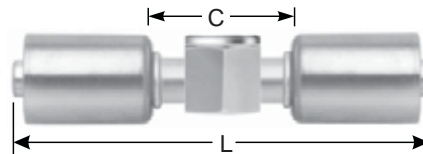


Hose Length Extender - Tee - Aluminum



Descr.	Prod. No.	Ø		T	L	C	Std. Pack
		A1	A2				
STANDARD PACK							
6ACA-6HLET	7332-02295	5/16	5/16	1.13	4.75	2.25	1
8ACA-8HLET	7332-02305	13/32	13/32	1.19	4.88	2.38	1
10ACA-10HLET	7332-02315	1/2	1/2	1.25	5.00	2.50	1
12ACA-10HLET	7332-03015	5/8	5/8	1.34	5.25	2.75	1
12ACA-12HLET	7332-02325	5/8	5/8	1.37	5.25	2.75	1

Hose Length Extender with Sight Glass - Aluminum



Descr.	Prod. No.	Ø	L	C	Std. Pack
		"			
STANDARD PACK					
6ACA-6HLESG	7332-01485	5/16	4.12	1.62	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

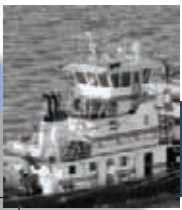
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





PolarSeal® Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

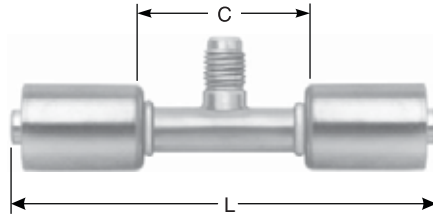
NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

Hose Splicer with R12 Thread Service Port - Aluminum

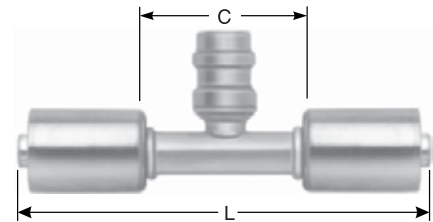
Service Ports: High Side; 6-8 Hose; 3/8" Schrader Valve
 Service Ports: Low Side; 10-12 Hose; 1/4" Schrader Valve



Descr.	Prod. No.	⊖	L	C	Std. Pack
		"	"	"	
STANDARD PACK					
6ACA-R12SP	7332-01135	5/16	4.50	2.00	1
8ACA-R12SP	7332-01145	13/32	4.50	2.00	1
10ACA-R12SP	7332-01155	1/2	4.63	2.13	1
12ACA-R12SP	7332-01165	5/8	4.75	2.25	1

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



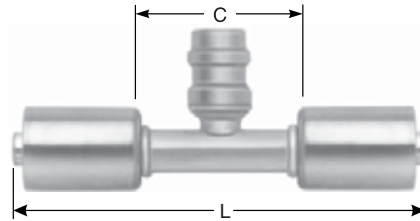
Descr.	Prod. No.	⊖	L	C	Std. Pack
		"	"	"	
STANDARD PACK					
6ACA-R134SP	7332-01175	5/16	4.50	2.00	1
8ACA-R134SP	7332-01185	13/32	4.50	2.00	1
10ACA-R134SP	7332-01195	1/2	4.63	2.13	1
12ACA-R134SP	7332-01205	5/8	4.75	2.25	1





Hose Splicer with R134a Service Port - Steel

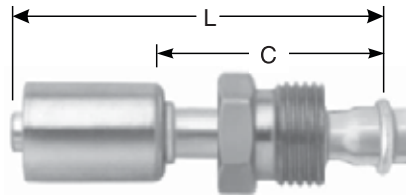
Pressure Ports: High Side; 6-8 Hose
 Pressure Ports: Low Side; 10-12 Hose




Descr.	Prod. No.	⊖	L	C	Std. Pack
		"	"	"	
STANDARD PACK					
6ACA-R134SP-S	7332-01955	5/16	4.50	2.00	1
8ACA-R134SP-S	7332-01965	13/32	4.50	2.00	1
10ACA-R134SP-S	7332-01975	1/2	4.63	2.13	1
12ACA-R134SP-S	7332-03005	5/8	4.75	2.25	1

Male SAE Tube O-Ring Nut Swivel - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	⊖		L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6MTON	7332-00435	5/16	5/8-18	3.19	1.94	1
6ACA-7MTON	7332-02115	5/16	11/16-16	3.00	1.75	1
6ACA-8MTON	7332-03065	5/16	3/4-18	3.25	2.00	1
8ACA-6MTON	7332-03075	13/32	5/8-18	3.25	2.00	1
8ACA-8MTON	7332-00445	13/32	3/4-18	3.25	2.00	1
10ACA-10MTON	7332-00455	1/2	7/8-18	3.38	2.13	1
12ACA-10MTON	7332-03085	5/8	7/8-18	3.88	2.63	1
12ACA-12MTON	7332-00465	5/8	1 1/16-12	3.88	2.63	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

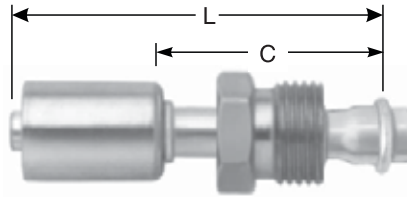
NEW BALL VALVES


ACCESSORIES

EQUIPMENT AND PARTS

Male SAE Tube O-Ring Nut Swivel - Steel

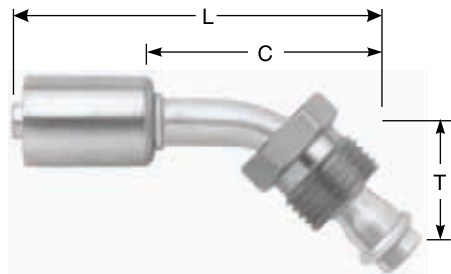
O-Ring not included. Must be ordered separately.




Descr.	Prod. No.	\ominus		L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6MTON-S	7332-01285	5/16	5/8-18	3.19	1.94	1
6ACA-7MTON-S	7332-02125	5/16	11/16-16	3.00	1.75	1
10ACA-10MTON-S	7332-01865	1/2	7/8-18	3.38	2.13	1

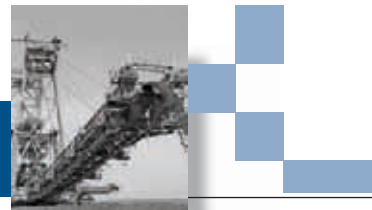
Male SAE Tube O-Ring Nut - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



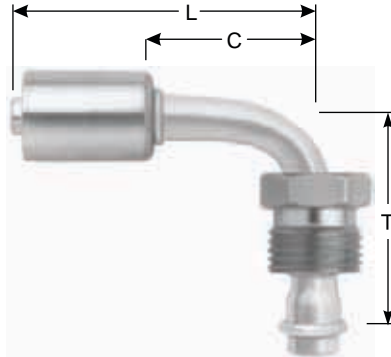
Descr.	Prod. No.	\ominus		T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6MTON45	7332-00475	5/16	5/8-18	.88	3.19	1.94	1
6ACA-8MTON45	7332-03095	5/16	3/4-18	1.00	3.47	2.22	1
8ACA-6MTON45	7332-03105	13/32	5/8-18	1.00	3.47	2.22	1
8ACA-8MTON45	7332-00485	13/32	3/4-18	1.00	3.44	2.19	1
10ACA-10MTON45	7332-00495	1/2	7/8-18	1.06	3.81	2.56	1
12ACA-12MTON45	7332-00505	5/8	1 1/16-12	1.19	4.19	2.94	1






Male SAE Tube O-Ring Nut - 90° Bent Tube - Aluminum

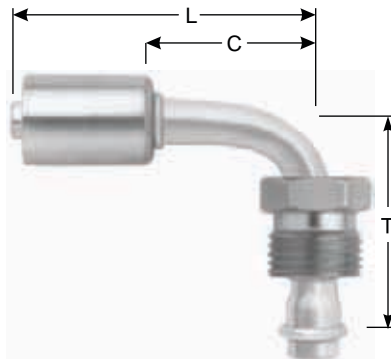
O-Ring not included. Must be ordered separately.




Descr.	Prod. No.	\ominus		T	L	C	Std. Pack
		"		"	"	"	
STANDARD PACK							
6ACA-6MTON90	7332-00515	5/16	5/8-18	1.63	2.56	1.31	1
6ACA-7MTON90	7332-03115	5/16	11/16-16	1.56	2.56	1.31	1
6ACA-8MTON90	7332-03125	5/16	3/4-18	1.88	2.75	1.50	1
8ACA-6MTON90	7332-03135	13/16	5/8-18	1.88	2.75	1.50	1
8ACA-8MTON90	7332-00525	13/32	3/4-18	1.88	2.75	1.50	1
10ACA-10MTON90	7332-00535	1/2	7/8-18	2.12	3.00	1.75	1
12ACA-10MTON90	7332-03145	5/8	7/8-18	2.25	3.25	2.00	1
12ACA-12MTON90	7332-00545	5/8	1 1/16-12	2.25	3.25	2.00	1

Male SAE Tube O-Ring Nut - 90° Bent Tube - Steel

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	\ominus		T	L	C	Std. Pack
		"		"	"	"	
STANDARD PACK							
6 MOR/LP-6 SB-90-STL	7332-01295	5/16	5/8-18	1.63	2.56	1.31	1
10ACA-10MTON90-S	7332-01875	1/2	7/8-18	2.12	3.00	1.75	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



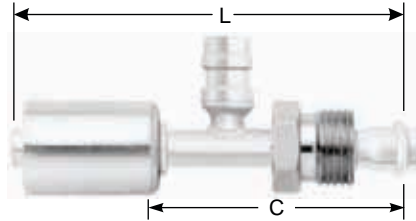



PolarSeal® Couplings

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Male SAE Tube O-Ring Nut Swivel with R134a Service Port - Aluminum

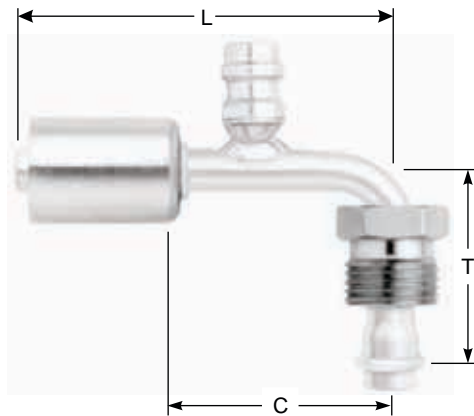
O-Ring not included. Must be ordered separately.




Descr.	Prod. No.	\ominus		L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6MTON134SP	7332-03025	5/16	5/8-18	3.35	2.10	1
8ACA-8MTON134SP	7332-03035	13/32	3/4-18	3.35	2.10	1
10ACA-10MTON134SP	7332-03045	1/2	7/8-18	3.59	2.34	1
12ACA-12MTON134SP	7332-03055	5/8	1 1/16-12	3.72	2.47	1

Male SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



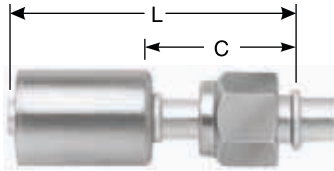
Descr.	Prod. No.	\ominus		T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
10ACA-10MTON134SP90	7332-02585	1/2	7/8-18	1.50	3.85	2.60	1





Female SAE Tube O-Ring Nut Swivel - Aluminum

O-Ring not included. Must be ordered separately.

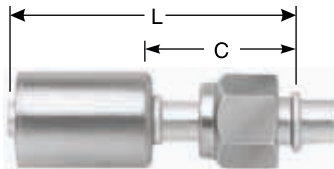


Descr.	Prod. No.			L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-5FTON*	7332-00635	5/16	9/16-18	2.81	1.56	1
6ACA-6FTON	7332-00645	5/16	5/8-18	2.88	1.63	1
6ACA-8FTON	7332-00655	5/16	3/4-16	3.00	1.75	1
8ACA-6FTON	7332-03165	13/32	5/8-18	3.00	1.75	1
8ACA-8FTON	7332-00665	13/32	3/4-16	3.00	1.75	1
10ACA-8FTON	7332-01505	1/2	3/4-16	3.19	1.94	1
10ACA-10FTON	7332-00675	1/2	7/8-14	3.19	1.94	1
10ACA-12FTON	7332-01515	1/2	1 1/16-14	3.31	2.06	1
12ACA-10FTON	7332-00685	5/8	7/8-14	3.31	2.06	1
12ACA-12FTON	7332-00695	5/8	1 1/16-14	3.31	2.06	1

* Standard and Metric threads are equivalent for 6ACA-14FTON and 6ACA-5FTON. ^Used on Toyota Receivers/ Dryers.

Female SAE Tube O-Ring Nut Swivel - Steel

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6FTON-S	7332-01275	5/16	5/8-18	2.88	1.63	1
8ACA-8FTON-S	7332-01645	13/32	3/4-16	3.00	1.75	1
10ACA-10FTON-S	7332-01655	1/2	7/8-14	3.19	1.94	1
12ACA-10FTON-S	7332-01815	5/8	1 1/16-14	3.31	2.06	1
12ACA-12FTON-S	7332-03175	5/8	1 1/16-14	3.31	2.06	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

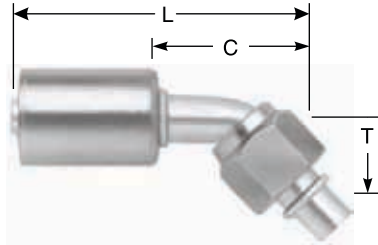




PolarSeal® Couplings

Female SAE Tube O-Ring Nut Swivel - 45° Bent Tube - Aluminum

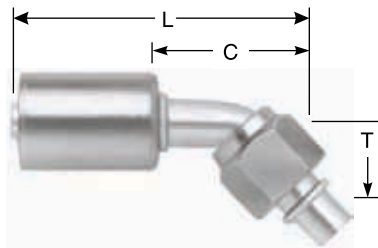
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	⊖	🌀	T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6FTON45	7332-00705	5/16	5/8-18	.56	2.87	1.52	1
8ACA-6FTON45	7332-03185	13/32	5/8-18	.63	3.04	1.79	1
8ACA-8FTON45	7332-00715	13/32	3/4-16	.63	3.07	1.82	1
10ACA-8FTON45	7332-03195	1/2	3/4-16	.88	3.60	2.35	1
10ACA-10FTON45	7332-00725	1/2	7/8-14	.88	3.63	2.38	1
12ACA-10FTON45	7332-03205	5/8	7/8-14	.94	3.91	2.66	1
12ACA-12FTON45	7332-00735	5/8	1 1/16-14	.94	3.94	2.69	1

Female SAE Tube O-Ring Nut Swivel - 45° Bent Tube - Steel

O-Ring not included. Must be ordered separately.



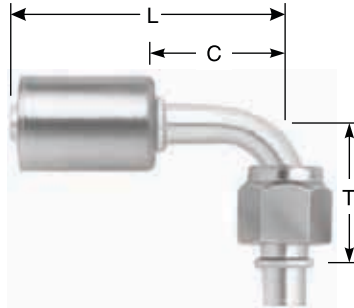
Descr.	Prod. No.	⊖	🌀	T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6FTON45-S	7332-01665	5/16	5/8-18	.56	2.87	1.52	1
8ACA-8FTON45-S	7332-02055	13/32	3/4-16	.63	3.07	1.82	1
10ACA-10FTON45-S	7332-01675	1/2	7/8-14	.88	3.63	2.38	1





Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

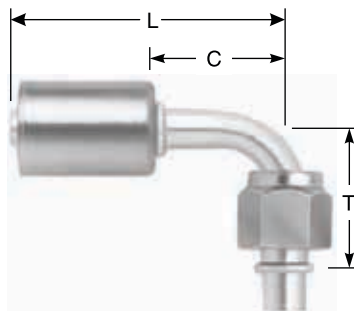


Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-5FTON90*	7332-00745	5/16	9/16-18	1.12	2.75	1.63	1
6ACA-6FTON90	7332-00755	5/16	5/8-18	1.12	2.56	1.31	1
6ACA-8FTON90	7332-00765	5/16	3/4-16	1.31	2.75	1.50	1
8ACA-6FTON90	7332-03155	13/32	5/8-18	1.31	2.75	1.50	1
8ACA-8FTON90	7332-00775	13/32	3/4-16	1.31	2.75	1.50	1
10ACA-8FTON90	7332-01545	1/2	3/4-16	1.50	3.00	1.75	1
10ACA-10FTON90	7332-00785	1/2	7/8-14	1.50	3.00	1.75	1
10ACA-12FTON90	7332-01555	1/2	1 1/16-14	1.75	3.25	2.00	1
12ACA-10FTON90	7332-00795	5/8	7/8-14	1.75	3.25	2.00	1
12ACA-12FTON90	7332-00805	5/8	1 1/16-14	1.75	3.25	2.00	1

* Used on Toyota Receivers/ Dryers.

Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Steel

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6FTON90-S	7332-01305	5/16	5/8-18	1.12	2.56	1.31	1
8ACA-8FTON90-S	7332-01685	13/32	3/4-16	1.31	2.75	1.50	1
10ACA-10FTON90-S	7332-01695	1/2	7/8-14	1.50	3.00	1.75	1
12ACA-10FTON90-S	7332-01825	1/2	1 1/16-14	1.50	3.25	2.00	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

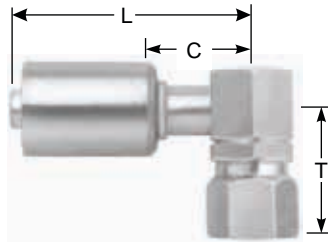
EQUIPMENT AND PARTS



PolarSeal® Couplings

Female SAE Tube O-Ring Nut Swivel - 90° Block - Steel

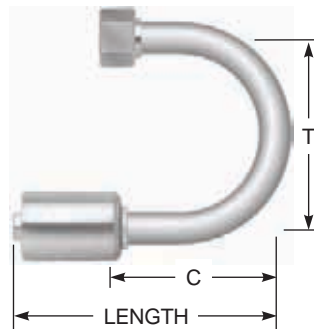
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	⊖		T	L	C	Std. Pack
		"		"	"	"	
STANDARD PACK							
8ACA-8FTON90BL-S	7332-01835	13/32	3/4-16	.71	2.44	1.19	1
10ACA-10FTON90BL-S	7332-01845	1/2	7/8-14	.71	2.50	1.25	1
12ACA-10FTON90BL-S	7332-01855	1/2	1 1/16-14	.71	2.62	1.37	1

Female SAE Tube O-Ring Nut - 180° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	⊖		T	L	C	Std. Pack
		"		"	"	"	
STANDARD PACK							
6ACA-6FTON180	7332-03575	5/16	5/8-18	1.63	3.50	2.25	1
8ACA-8FTON180	7332-03585	13/16	3/4-16	1.75	3.50	2.25	1
12ACA-12FTON180	7332-03595	5/8	1 1/16-14	2.12	4.50	3.25	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

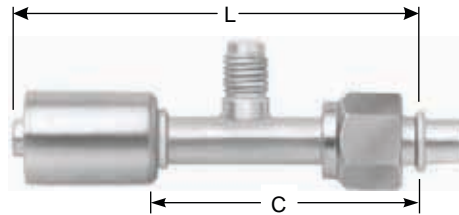
ACCESSORIES

EQUIPMENT AND PARTS



Female SAE Tube O-Ring Nut Swivel with R12 Service Port - Aluminum

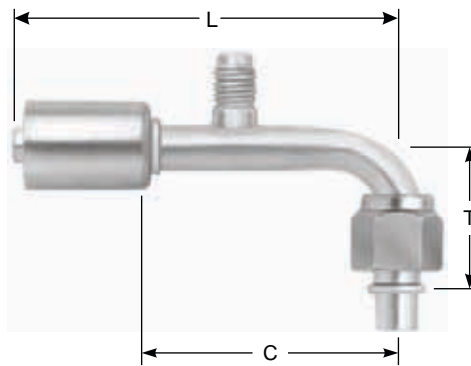
O-Ring not included. Must be ordered separately.
 Service Ports: High Side; 6-8 Hose; 3/8" Schrader Valve
 Service Ports: Low Side; 10-12 Hose; 1/4" Schrader Valve



Descr.	Prod. No.			L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6FTONR12SP	7332-01985	5/16	5/8-18	3.38	2.13	1
8ACA-8FTONR12SP	7332-01995	13/32	3/4-16	3.38	2.13	1
10ACA-10FTONR12SP	7332-02005	1/2	7/8-14	3.62	2.37	1

Female SAE Tube O-Ring Nut Swivel with R12 Service Port - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6FTONR12SP90	7332-02015	5/16	5/8-18	1.12	3.62	2.37	1
8ACA-8FTONR12SP90	7332-02025	13/32	3/4-16	1.31	3.62	2.37	1
10ACA-10FTONR12SP90	7332-02035	1/2	7/8-14	1.50	3.88	2.63	1
12ACA-10FTONR12SP90	7332-02045	1/2	1 1/16-14	1.75	4.19	2.94	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



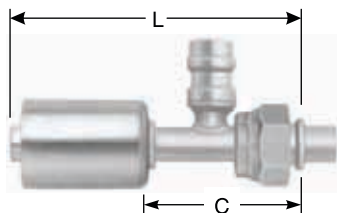


PolarSeal® Couplings

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Female SAE Tube O-Ring Nut Swivel with R134a Service Port - Aluminum

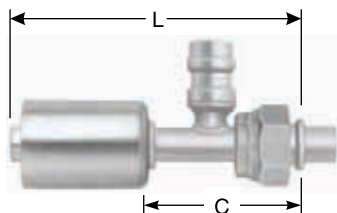
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6FTON134SP	7332-00555	5/16	5/8-18	3.38	2.13	1
8ACA-8FTON134SP	7332-00565	13/32	3/4-16	3.38	2.13	1
10ACA-10FTON134SP	7332-00575	1/2	7/8-14	3.62	2.37	1
12ACA-10FTON134SP	7332-00585	5/8	7/8-14	3.75	2.50	1

Female SAE Tube O-Ring Nut Swivel with R134a Service Port - Steel

O-Ring not included. Must be ordered separately.



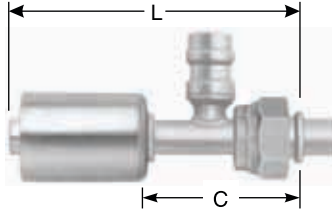
Descr.	Prod. No.			L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
8ACA-8FTON134SP-S	7332-02685	13/16	3/4-16	3.30	2.05	1
10ACA-10FTON134SP-S	7332-02695	1/2	7/8-14	3.62	2.37	1





Female SAE Tube O-Ring Nut Swivel with R134a High Pressure Service Port - Aluminum

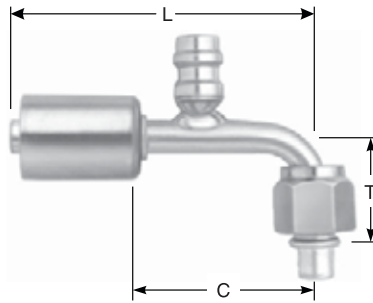
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
10ACA-10FTON134SPH	7332-04245	1/2	7/8-14	3.62	2.37	1

Female SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6FTON134SP90	7332-00595	5/16	5/8-18	1.12	3.62	2.37	1
8ACA-8FTON134SP90	7332-00605	13/32	3/4-14	1.31	3.62	2.37	1
10ACA-10FTON134SP90	7332-00615	1/2	7/8-14	1.50	3.88	2.63	1
12ACA-10FTON134SP90	7332-00625	5/8	7/8-14	1.75	4.19	2.94	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

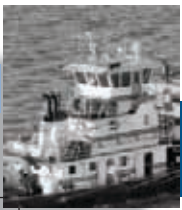
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

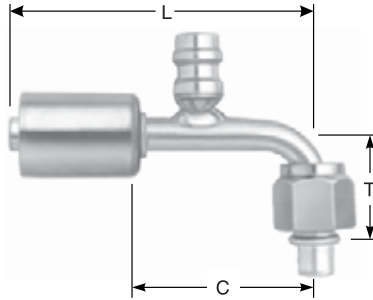





PolarSeal® Couplings

Female SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Steel

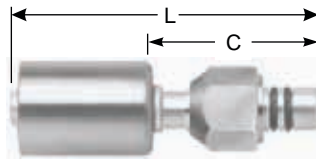
O-Ring not included. Must be ordered separately.




Descr.	Prod. No.	⊖		T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6FTON134SP90-S	7332-02075	5/16	5/8-18	1.12	3.62	2.37	1
8ACA-8FTON134SP90-S	7332-01705	13/32	3/4-16	1.50	3.62	2.37	1
10ACA-10FTON134SP90-S	7332-01715	1/2	7/8-14	1.75	3.88	2.63	1
12ACA-10FTON134SP90-S	7332-02085	5/8	7/8-14	1.75	4.19	2.94	1

Female SAE Tube Dual O-Ring Nut - Aluminum

O-Ring not included. Must be ordered separately.



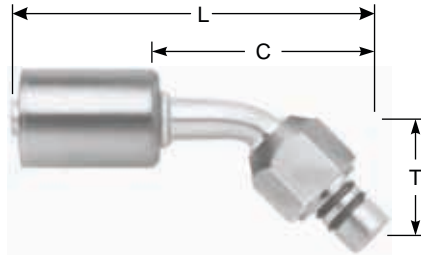
Descr.	Prod. No.	⊖		L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
8ACA-8FTDON	7332-03395	13/32	13/16-16	3.55	2.30	1
10ACA-10FTDON	7332-03405	1/2	15/16-16	3.79	2.54	1
12ACA-12FTDON	7332-03415	5/8	1 1/16-14	3.96	2.71	1





Female SAE Tube Dual O-Ring Nut - 45° Bent Tube - Aluminum

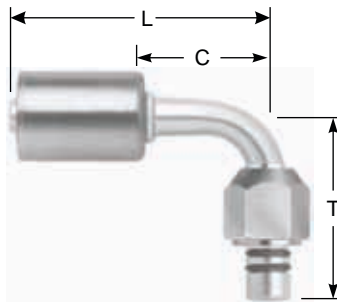
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
8ACA-8FTDON45	7332-03425	13/32	13/16-16	1.02	3.43	2.18	1
10ACA-10FTDON45	7332-03435	1/2	15/16-16	1.30	4.02	2.77	1
12ACA-12FTDON45	7332-03445	5/8	1 1/16-14	1.40	4.37	3.12	1

Female SAE Tube Dual O-Ring Nut - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
8ACA-8FTDON90	7332-03455	13/32	13/16-16	1.86	2.75	1.50	1
10ACA-10FTDON90	7332-03465	1/2	15/16-16	1.91	3.00	1.75	1
12ACA-12FTDON90	7332-03475	5/8	1 1/16-14	2.40	3.25	2.00	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

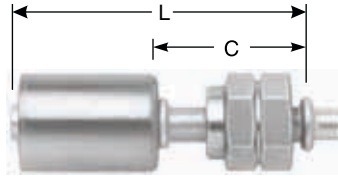
ACCESSORIES


EQUIPMENT AND PARTS



Female SAE Tube O-Ring Metric Nut Swivel - Aluminum

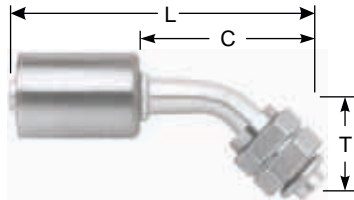
O-Ring not included. Must be ordered separately.




Descr.	Prod. No.	⊖		L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-16FTOMN	7332-00815	5/16	M16X1.5	2.81	1.56	1
6ACA-18FTOMN	7332-03215	5/16	M18X1.5	2.87	1.62	1
6ACA-20FTOMN	7332-03225	5/16	M20X1.5	2.94	1.69	1
8ACA-20FTOMN	7332-03235	13/32	M20X1.5	2.94	1.69	1
10ACA-22FTOMN	7332-00825	1/2	M22X1.5	3.19	1.94	1
10ACA-24FTOMN	7332-00835	1/2	M24X2.0	3.19	1.94	1
12ACA-27FTOMN	7332-00845	5/8	M27X2.0	3.31	2.06	1

Female SAE Tube O-Ring Metric Nut Swivel - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

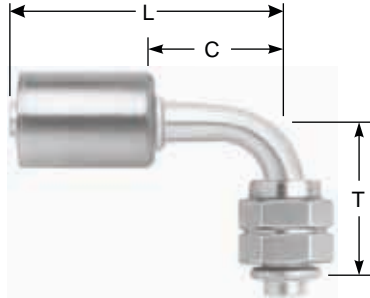


Descr.	Prod. No.	⊖		T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-14FTOMN45	7332-03245	5/16	M14X1.5	.63	3.47	2.22	1
6ACA-16FTOMN45	7332-03255	5/16	M16X1.5	.63	3.47	2.22	1
6ACA-18FTOMN45	7332-03265	5/16	M18X1.5	.69	3.53	2.28	1
6ACA-20FTOMN45	7332-03275	5/16	M20X1.5	.75	3.72	2.47	1
8ACA-20FTOMN45	7332-03285	13/32	M20X1.5	.75	3.72	2.47	1
10ACA-22FTOMN45	7332-03295	1/2	M22X1.5	.88	3.60	2.35	1
10ACA-24FTOMN45	7332-03305	1/2	M24X2.0	.88	3.60	2.35	1
12ACA-27FTOMN45	7332-03315	5/8	M27X2.0	1.00	4.59	3.34	1



Female SAE Tube O-Ring Metric Nut Swivel - 90° Bent Tube - Aluminum

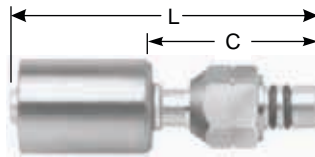
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-16FTOMN90	7332-00855	5/16	M16X1.5	1.12	2.75	1.50	1
6ACA-18FTOMN90	7332-03325	5/16	M18X1.5	1.12	2.75	1.50	1
6ACA-20FTOMN90	7332-03335	5/16	M20X1.5	1.25	2.75	1.50	1
8ACA-20FTOMN90	7332-03345	13/32	M20X1.5	1.37	2.94	1.69	1
10ACA-22FTOMN90	7332-00865	1/2	M22X1.5	1.63	3.13	1.88	1
10ACA-24FTOMN90	7332-00875	1/2	M24X2.0	1.50	3.13	1.88	1
12ACA-27FTOMN90	7332-00885	5/8	M27X2.0	1.75	3.38	2.13	1

Female SAE Tube Dual O-Ring Metric Nut - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
8ACA-24FTDOMN	7332-03485	13/32	M24X2.0	3.55	2.30	1
10ACA-24FTDOMN	7332-03495	1/2	M24X2.0	3.79	2.54	1
12ACA-27FTDOMN	7332-03505	5/8	M27X2.0	3.96	2.71	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





PolarSeal® Couplings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

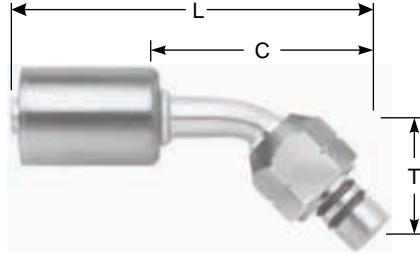
NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

Female SAE Tube Dual O-Ring Metric Nut - 45° Bent Tube - Aluminum

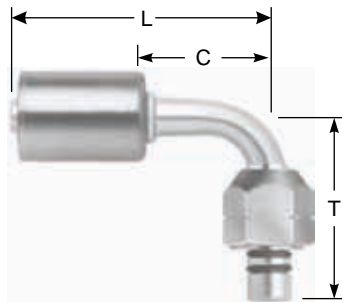
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
8ACA-24FTDOMN45	7332-03515	13/32	M24X2.0	1.02	3.43	2.18	1
10ACA-24FTDOMN45	7332-03525	1/2	M24X2.0	1.30	4.02	2.77	1
12ACA-27FTDOMN45	7332-03535	5/8	M27X2.0	1.40	4.37	3.12	1

Female SAE Tube Dual O-Ring Metric Nut - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



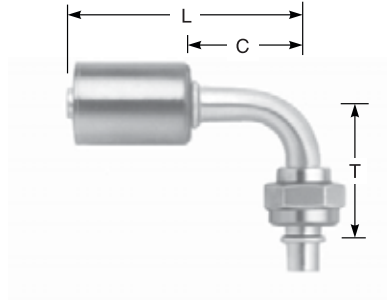
Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
8ACA-24FTDOMN90	7332-03545	13/16	M24X2.0	1.86	2.75	1.50	1
10ACA-24FTDOMN90	7332-03555	1/2	M24X2.0	1.91	3.00	1.75	1
12ACA-27FTDOMN90	7332-03565	5/8	M27X2.0	2.40	3.25	2.00	1





Compressor Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Steel

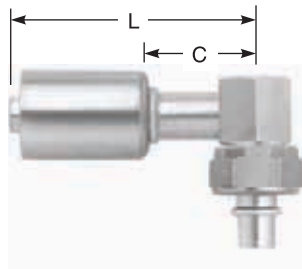
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
8ACA-10CFTON90-S	7332-02335	13/32	1-14	1.50	3.01	1.42	1
12ACA-10CFTON90-S	7332-02065	5/8	1 1/16-14	1.63	3.18	1.60	1

Compressor Female SAE Tube O-Ring Nut Swivel - 90° Block - Steel

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
8ACA-10CFTON90BL-S	7332-02095	13/32	1-14	.80	3.02	1.43	1
12ACA-10CFTON90BL-S	7332-02105	5/8	1 1/16-14	.80	3.14	1.55	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

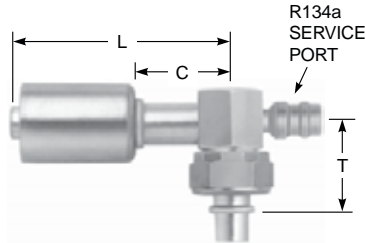





PolarSeal® Couplings

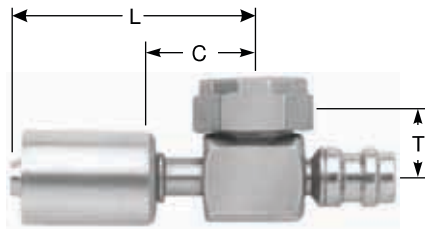
Compressor Female Tube O-Ring Nut with 134a Service Port - 90° Block - Steel


O-Ring not included. Must be ordered separately.



Descr.	Prod. No.	⊖		T	L	C	Std. Pack
		"		"	"	"	
STANDARD PACK							
8ACA-10CFTON134SP90BL-S	7332-03865	13/32	1-14	.78	2.45	1.20	1
10ACA-10CFTON134SP90BL-S	7332-03875	1/2	1-14	.78	2.51	1.26	1
12ACA-10CFTON134SP90BL-S	7332-02755	5/8	1-14	.78	2.67	1.42	1

Female Rotalok (Compressor Connection) with R134a Service Port - 90° Block - Aluminum



Descr.	Prod. No.	⊖		T	L	C	Std. Pack
		"		"	"	"	
STANDARD PACK							
8ACA-R134SP-RL	7332-01215	13/32	1-14	.78	2.45	1.20	1
10ACA-R134SP-RL	7332-01225	1/2	1-14	.78	2.51	1.26	1

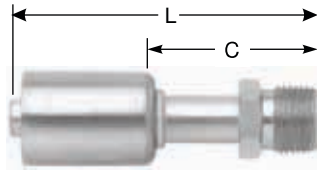
- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS**
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS





Male Inverted O-Ring - Aluminum

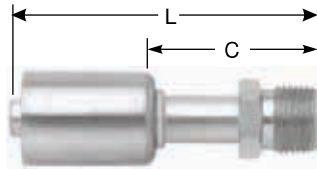
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Std. Pack
		"		"	"	
STANDARD PACK						
6ACA-6MIO	7332-00895	5/16	5/8-18	2.94	1.69	1
8ACA-8MIO	7332-00905	13/32	3/4-18	3.13	1.88	1
10ACA-10MIO	7332-00915	1/2	7/8-14	3.62	2.37	1
12ACA-12MIO	7332-00925	5/8	1 1/16-14	3.88	2.63	1

Male Inverted O-Ring - Steel

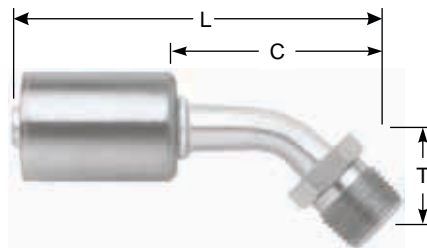
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Std. Pack
		"		"	"	
STANDARD PACK						
6ACA-6MIO-S	7332-01885	5/16	5/8-18	2.94	1.69	1
8ACA-8MIO-S	7332-01895	13/32	3/4-18	3.13	1.88	1
10ACA-10MIO-S	7332-03355	1/2	7/8-14	3.62	2.37	1

Male Inverted O-Ring - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"		"	"		
STANDARD PACK							
6ACA-6MIO45	7332-03365	5/16	5/8-18	.75	3.03	1.78	1
8ACA-8MIO45	7332-03375	13/32	3/4-18	1.00	3.41	2.16	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES



ACCESSORIES

EQUIPMENT AND PARTS



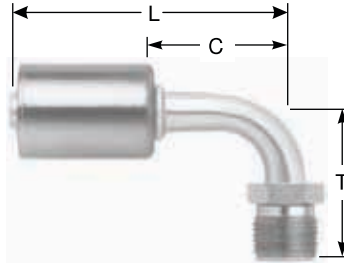
PolarSeal® Couplings



Male Inverted O-Ring - 45° Bent Tube - Aluminum - Cont'd

Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
10ACA-10MIO45	7332-03385	1/2	7/8-14	1.25	3.97	2.72	1

Male Inverted O-Ring - 90° Bent Tube - Aluminum

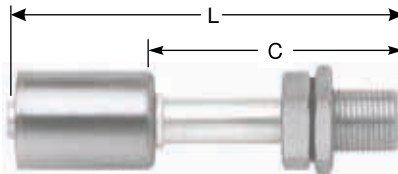
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6MIO90	7332-00935	5/16	5/8-18	1.50	2.56	1.31	1
8ACA-8MIO90	7332-00945	13/32	3/4-18	1.75	2.75	1.50	1
10ACA-10MIO90	7332-00955	1/2	7/8-14	2.00	3.00	1.75	1

Male Inverted O-Ring Bulkhead - Aluminum

O-Ring not included. Must be ordered separately.

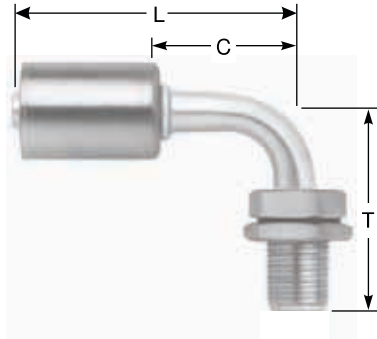


Descr.	Prod. No.			L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6MIOBKHD	7332-00965	5/16	5/8-18	4.00	2.75	1
8ACA-8MIOBKHD	7332-00975	13/32	3/4-18	4.25	3.00	1
10ACA-10MIOBKHD	7332-00985	1/2	7/8-14	4.44	3.19	1



Male Inverted O-Ring Bulkhead - 90° Bent Tube - Aluminum

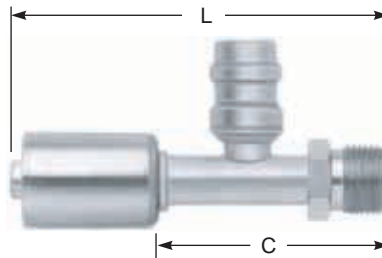
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6MIOBKHD90	7332-00995	5/16	5/8-18	2.12	3.13	1.88	1
8ACA-8MIOBKHD90	7332-01005	13/32	3/4-18	2.44	3.25	2.00	1
10ACA-10MIOBKHD90	7332-01015	1/2	7/8-14	2.50	3.50	2.25	1

Male Inverted O-Ring with R134a Service Port - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6MIO134SP	7332-03605	5/16	5/8-18	3.47	2.22	1
8ACA-8MIO134SP	7332-03615	13/32	3/4-18	4.22	2.97	1
10ACA-10MIO134SP	7332-03625	1/2	7/8-14	4.22	2.97	1
12ACA-12MIO134SP	7332-03635	5/8	1 1/16-14	4.47	3.22	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

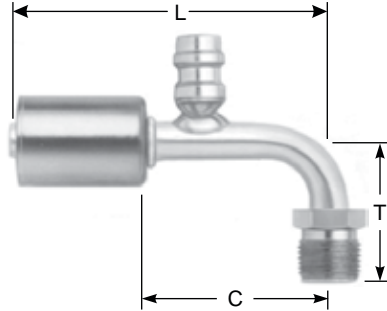




PolarSeal® Couplings

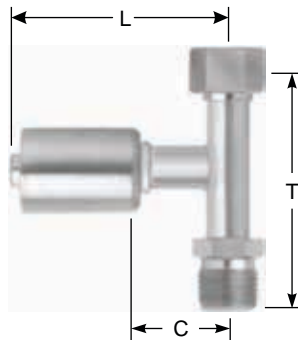
Male Inverted O-Ring with R134a Service Port - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6MIO134SP90	7332-03645	5/16	5/8-18	1.50	3.59	2.34	1
8ACA-8MIO134SP90	7332-03655	13/32	3/4-16	1.80	3.59	2.34	1
10ACA-10MIO134SP90	7332-03665	1/2	7/8-14	2.00	3.85	2.60	1

Universal Tee O-Ring Splicer English Threads - Aluminum



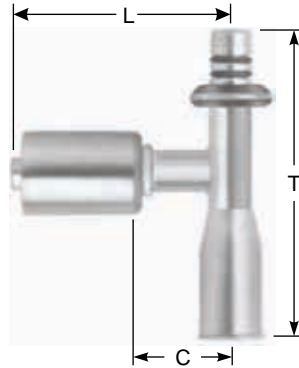
Descr.	Prod. No.			T	L	C	Std. Pack
		"	"	"	"	"	
STANDARD PACK							
6ACA-6TORSP	7332-03675	5/16	5/8-18	2.47	2.50	1.25	1
6ACA-8TORSP	7332-03685	5/16	3/4-16	2.97	2.62	1.37	1
10ACA-10TORSP	7332-03695	1/2	7/8-14	3.53	2.75	1.50	1
10ACA-12TORSP	7332-03705	1/2	1 1/16-14	4.10	2.94	1.69	1

- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS**
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



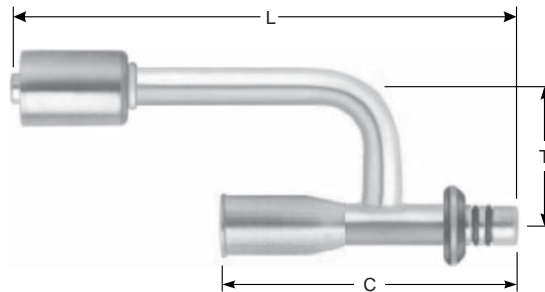


Female (Ford) Spring Lock Tee O-Ring Splicer - Aluminum



Descr.	Prod. No.	⊖	T	L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-8FSLTORSP	7332-03735	5/16	1.72	5.13	3.88	1
10ACA-12FSLTORSP	7332-03775	1/2	1.97	5.62	4.37	1

Female (Ford) Spring Lock Liquid Line Splicer - Aluminum



Descr.	Prod. No.	⊖	T	L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-8FSLSP	7332-03715	5/16	1.75	5.13	3.88	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

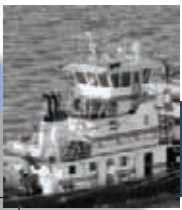
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

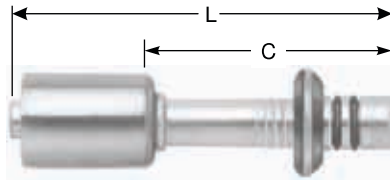
EQUIPMENT AND PARTS





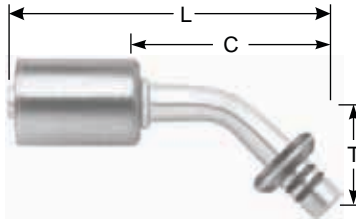
PolarSeal® Couplings

Male (Ford) Spring Lock - Aluminum



Descr.	Prod. No.	⊖	L	C	Std. Pack
		"	"	"	
STANDARD PACK					
6ACA-6MSL	7332-01055	5/16	3.81	2.56	1
6ACA-8MSL	7332-01575	5/16	3.88	2.63	1
8ACA-8MSL	7332-01065	13/32	3.88	2.63	1
10ACA-10MSL	7332-01075	1/2	4.00	2.75	1
12ACA-10MSL	7332-01585	5/8	4.00	2.75	1
12ACA-12MSL	7332-01085	5/8	4.25	3.00	1

Male (Ford) Spring Lock - 45° Bent Tube - Aluminum



Descr.	Prod. No.	⊖	T	L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6MSL45	7332-03725	5/16	1.25	3.97	2.72	1
6ACA-8MSL45	7332-03745	5/16	1.31	4.09	2.84	1
8ACA-8MSL45	7332-03755	13/32	1.31	4.09	2.84	1
10ACA-10MSL45	7332-03765	1/2	1.63	4.48	3.23	1
12ACA-10MSL45	7332-03785	5/8	1.63	4.48	3.23	1
12ACA-12MSL45	7332-03795	5/8	1.75	4.72	3.47	1

EQUIPMENT

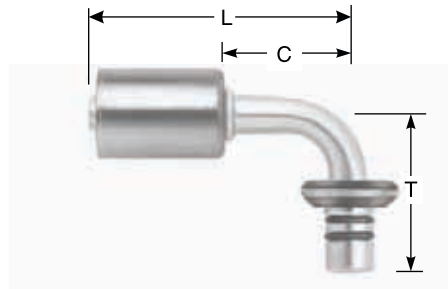
HOSE/CPLG.
SELECTIONGLOBALSPIRAL
COUPLINGSPCM/PCS
FERRULESMEGACRIMP
COUPLINGSPOWER
CRIMP
COUPLINGSLOW
PRESSURE
COUPLINGSPOLARSEAL
COUPLINGSC14
COUPLINGSPCTS
THERMO-
PLASTIC
COUPLINGSFIELD
ATTACHABLE
G1 & G2
COUPLINGSFIELD
ATTACHABLE
C5
COUPLINGSSURELOK AIR
BRAKE
COUPLINGSQUICK
DISCONNECT
COUPLERSNEW BALL
VALVES

ACCESSORIES

EQUIPMENT
AND PARTS

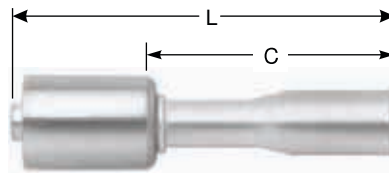


Male (Ford) Spring Lock - 90° Bent Tube - Aluminum



Descr.	Prod. No.	⊖	T	L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6MSL90	7332-02135	5/16	2.19	2.88	1.63	1
6ACA-8MSL90	7332-02185	5/16	2.38	3.12	1.88	1
8ACA-8MSL90	7332-02145	13/32	2.38	2.94	1.69	1
10ACA-10MSL90	7332-02155	1/2	2.50	1.95	1.89	1
12ACA-10MSL90	7332-02175	5/8	2.50	3.13	1.89	1
12ACA-12MSL90	7332-02165	5/8	2.38	3.69	2.44	1

Female (Ford) Spring Lock - Aluminum



Descr.	Prod. No.	⊖	L	C	Std. Pack
		"	"	"	
STANDARD PACK					
6ACA-6FSL	7332-01095	5/16	3.81	2.56	1
6ACA-8FSL	7332-01595	5/16	3.85	2.59	1
8ACA-8FSL	7332-01105	13/32	3.88	2.63	1
10ACA-10FSL	7332-01115	1/2	4.13	2.88	1
12ACA-10FSL	7332-01605	5/8	4.28	3.10	1
12ACA-12FSL	7332-01125	5/8	4.25	3.00	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

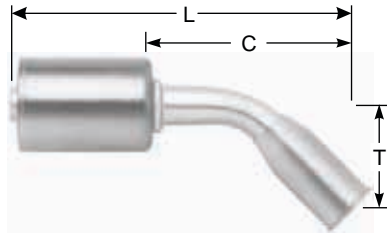
NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

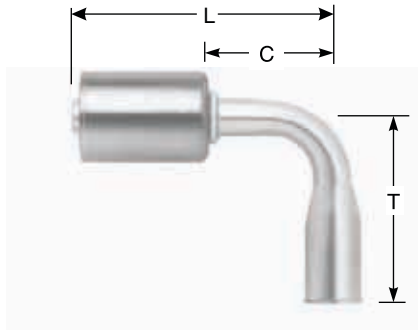


Female (Ford) Spring Lock - 45° Bent Tube - Aluminum



Descr.	Prod. No.	⊖	T	L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6FSL45	7332-03805	5/16	1.31	4.03	2.78	1
6ACA-8FSL45	7332-03815	5/16	1.37	4.15	2.90	1
8ACA-8FSL45	7332-03825	13/32	1.37	4.15	2.90	1
10ACA-10FSL45	7332-03835	1/2	1.69	4.54	3.29	1
12ACA-10FSL45	7332-03845	5/8	1.75	4.60	3.35	1
12ACA-12FSL45	7332-03855	5/8	1.75	4.72	3.47	1

Female (Ford) Spring Lock - 90° Bent Tube - Aluminum

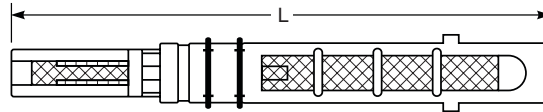


Descr.	Prod. No.	⊖	T	L	C	Std. Pack
		"	"	"	"	
STANDARD PACK						
6ACA-6FSL90	7332-02195	5/16	2.19	2.88	1.63	1
6ACA-8FSL90	7332-02245	5/16	2.38	3.12	1.88	1
8ACA-8FSL90	7332-02205	13/32	2.38	2.94	1.69	1
10ACA-10FSL90	7332-02215	1/2	2.50	3.13	1.89	1
12ACA-10FSL90	7332-02235	5/8	2.50	3.13	1.89	1
12ACA-12FSL90	7332-02225	5/8	3.20	3.69	2.44	1



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.



Descr.	Prod. No.	Ø	L		Std. Pack
		"	"	mm	
STANDARD PACK					
IOT-BLACK	7332-02815	.072	3.50	88.9	1
IOT-BLUE	7332-02785	.072	3.50	88.9	1
IOT-ORANGE	7332-02795	.057	3.50	88.9	1
IOT-RED	7332-02805	.062	3.50	88.9	1
IOT-WHITE	7332-02775	.072	3.50	88.9	1

O-Rings for PolarSeal® Couplings



Descr.	Prod. No.	Ø	W	Std. Pack
		"	"	
STANDARD PACK				
6ACOR	7332-01235	.30	.07	5
8ACOR	7332-01245	.43	.07	5
10ACOR	7332-01255	.55	.07	5
12ACOR	7332-01265	.68	.07	5

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





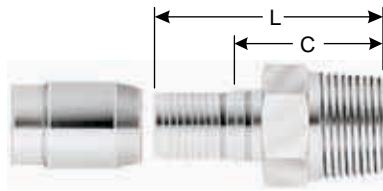
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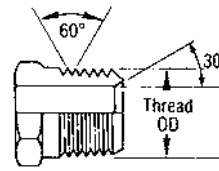
C14 Couplings




Male Pipe (NPTF - 30° Cone Seat) - Stainless Steel

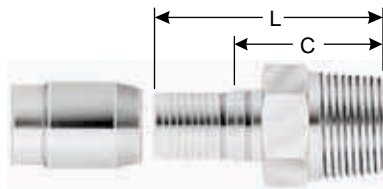


H1

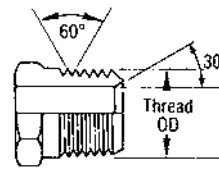



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C14-2MP-SS	7753-00085	3/16	4.8	1/8-27	7/16	—	1.26	32.0	.81	20.6	1
4C14-4MP-SS	7753-00015	3/16	4.8	1/4-18	9/16	—	1.47	37.3	1.02	25.9	1
5C14-4MP-SS	7753-00025	1/4	6.3	1/4-18	9/16	—	1.47	37.3	1.02	25.9	1
6C14-4MP-SS	7753-00095	5/16	7.9	1/4-18	9/16	—	1.60	40.6	1.05	26.7	1
6C14-6MP-SS	7753-00035	5/16	7.9	3/8-18	11/16	—	1.63	41.4	1.08	27.4	1
8C14-6MP-SS	7753-00105	13/32	10.3	3/8-18	11/16	—	1.68	42.7	1.07	27.2	1
8C14-8MP-SS	7753-00045	13/32	10.3	1/2-14	7/8	—	1.93	49.0	1.32	33.5	1
10C14-8MP-SS	7753-00055	1/2	12.7	1/2-14	7/8	—	2.05	52.1	1.35	34.3	1
12C14-12MP-SS	7753-00065	5/8	15.9	3/4-14	1 1/16	—	2.21	56.1	1.44	36.6	1
16C14-16MP-SS	7753-00075	7/8	22.2	1-11 1/2	1 3/8	—	2.56	65.0	1.65	41.9	1

Male Pipe (NPTF - 30° Cone Seat) - Brass



H1



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C14-2MP-B	7753-10085	3/16	4.8	1/8-27	7/16	—	1.26	32.0	.81	20.6	1
4C14-4MP-B	7753-10015	3/16	4.8	1/4-18	9/16	—	1.47	37.3	1.02	25.9	1
5C14-4MP-B	7753-10025	1/4	6.3	1/4-18	9/16	—	1.47	37.3	1.02	25.9	1
6C14-4MP-B	7753-10095	5/16	7.9	1/4-18	9/16	—	1.60	40.6	1.05	26.7	1
6C14-6MP-B	7753-10035	5/16	7.9	3/8-18	11/16	—	1.63	41.4	1.08	27.4	1
8C14-6MP-B	7753-10105	13/32	10.3	3/8-18	11/16	—	1.68	42.7	1.07	27.2	1
8C14-8MP-B	7753-10045	13/32	10.3	1/2-14	7/8	—	1.93	49.0	1.32	33.5	1
10C14-8MP-B	7753-10055	1/2	12.7	1/2-14	7/8	—	2.05	52.1	1.35	34.3	1
12C14-12MP-B	7753-10065	5/8	15.9	3/4-14	1 1/16	—	2.21	56.1	1.44	36.6	1
16C14-16MP-B	7753-10075	7/8	22.2	1-11 1/2	1 3/8	—	2.56	65.0	1.65	41.9	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

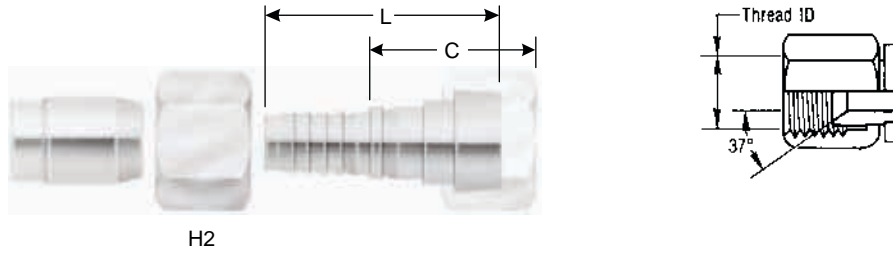
EQUIPMENT AND PARTS





C14 Couplings

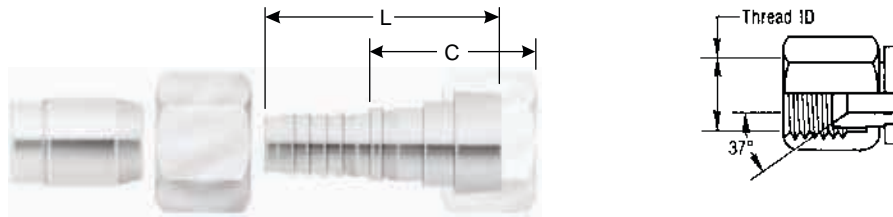
Female JIC 37° Flare Swivel - Stainless Steel



H2

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
6C14-6FJX-SS	7753-00145	5/16	7.9	9/16-18	—	3/4	1.19	30.2	1.01	25.6	1
12C14-12FJX-SS	7753-00175	5/8	15.9	1 1/16-12	—	1 1/4	1.56	39.6	1.36	34.5	1

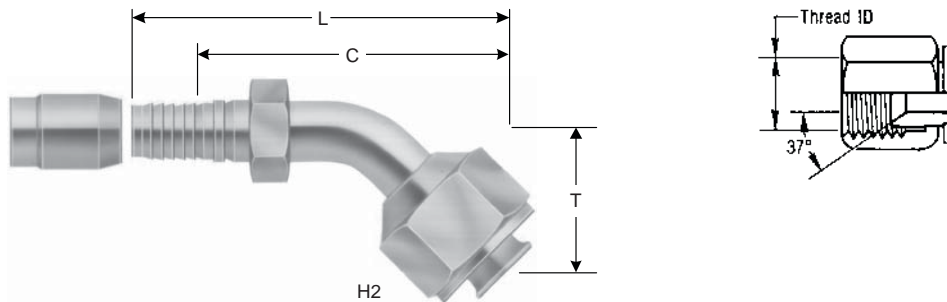
Female JIC 37° Flare Swivel - Brass



H2

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
6C14-6FJX-B	7753-10145	5/16	7.9	9/16-18	—	3/4	1.19	30.2	1.01	25.6	1
12C14-12FJX-B	7753-10175	5/8	15.9	1 1/16-12	—	1 1/4	1.56	39.6	1.36	34.5	1

Female JIC 37° Flare Swivel - 45° Bent Tube - Steel



H2


Descr.	Prod. No.	⊖			H1	H2	T	L		C		Std. Pack	
		"	mm		"	"	"	mm	"	mm			
STANDARD PACK													
4C14-4FJX45	7753-20495	3/16	4.8	7/16-20	—	9/16	.41	10.4	1.69	42.9	1.25	31.8	1



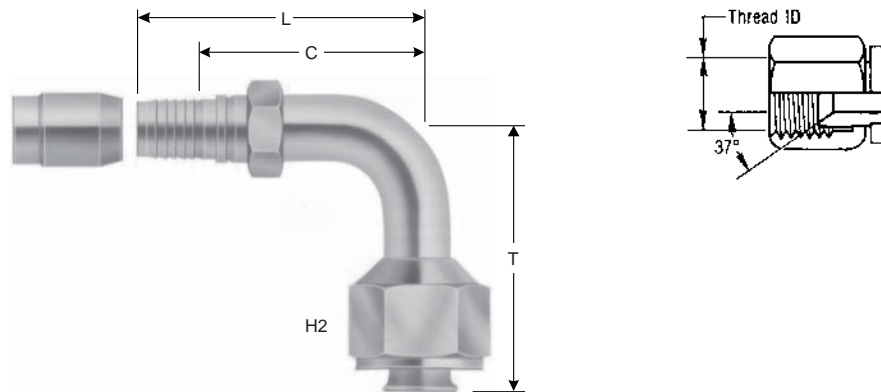
C14 Couplings




Female JIC 37° Flare Swivel - 45° Bent Tube - Steel - Cont'd

Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
5C14-5FJX45	7753-20505	1/4	6.3	1/2-20	—	5/8	.49	12.4	1.85	47.0	1.44	36.6	1
6C14-6FJX45	7753-20515	5/16	7.9	9/16-18	—	11/16	.55	14.0	2.13	54.1	1.62	41.1	1
8C14-8FJX45	7753-20525	13/32	10.3	3/4-16	—	7/8	.63	16.0	2.44	62.0	1.88	47.8	1
10C14-10FJX45	7753-20535	1/2	12.7	7/8-14	—	1	.75	19.1	2.78	70.6	2.08	52.8	1
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	1
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	1

Female JIC 37° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
4C14-4FJX90	7753-20565	3/16	4.8	7/16-20	—	9/16	.71	18.0	1.42	36.1	1.00	25.4	1
5C14-5FJX90	7753-20575	1/4	6.3	1/2-20	—	5/8	.88	22.4	1.55	39.4	1.06	26.9	1
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	1
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	1
10C14-10FJX90	7753-20605	1/2	12.7	7/8-14	—	1	1.50	38.1	2.47	62.7	1.81	46.0	1
12C14-12FJX90	7753-20615	5/8	15.9	1 1/16-12	—	1 1/4	2.00	50.8	3.88	98.5	3.11	79.0	1
16C14-16FJX90	7753-20625	7/8	22.2	1 5/16-12	—	1 1/2	2.48	63.0	4.64	117.8	3.73	94.7	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

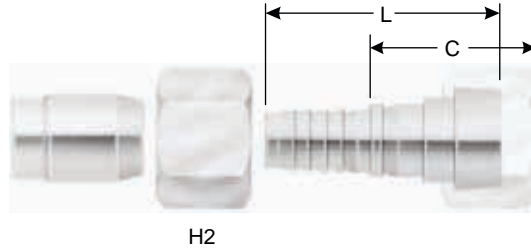
EQUIPMENT AND PARTS





C14 Couplings

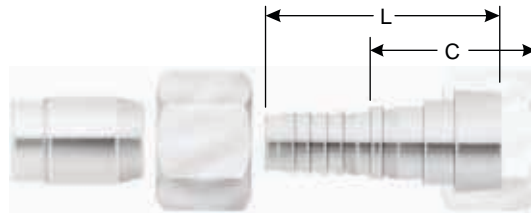
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Stainless Steel



H2

Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C14-4FJSX-SS	7753-00125	3/16	4.8	7/16-20	—	9/16	.95	24.1	.87	22.1	1
5C14-5FJSX-SS	7753-00135	1/4	6.4	1/2-20	—	11/16	1.01	25.6	.94	23.9	1
8C14-8FJSX-SS	7753-00155	13/32	10.3	3/4-16	—	7/8	1.30	33.0	1.13	28.7	1
10C14-10FJSX-SS	7753-00165	1/2	12.7	7/8-14	—	1 1/16	1.47	37.3	1.29	32.8	1
16C14-16FJSX-SS	7753-00185	7/8	22.2	1 5/16-12	—	1 1/2	1.75	44.5	1.46	37.1	1

Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Brass



H2

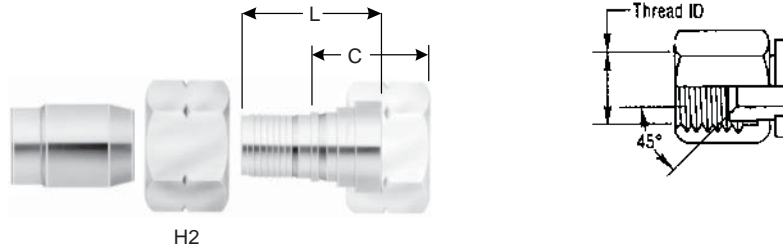
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C14-4FJSX-B	7753-10125	3/16	4.8	7/16-20	—	9/16	.95	24.1	.79	20.1	1
5C14-5FJSX-B	7753-10135	1/4	6.4	1/2-20	—	11/16	1.01	25.6	.94	23.9	1
8C14-8FJSX-B	7753-10155	13/32	10.3	3/4-16	—	7/8	1.30	33.0	1.13	28.7	1
10C14-10FJSX-B	7753-10165	1/2	12.7	7/8-14	—	1 1/16	1.47	37.3	1.29	32.8	1
16C14-16FJSX-B	7753-10185	7/8	22.2	1 5/16-12	—	1 1/2	1.75	44.5	1.46	37.1	1

- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS**
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



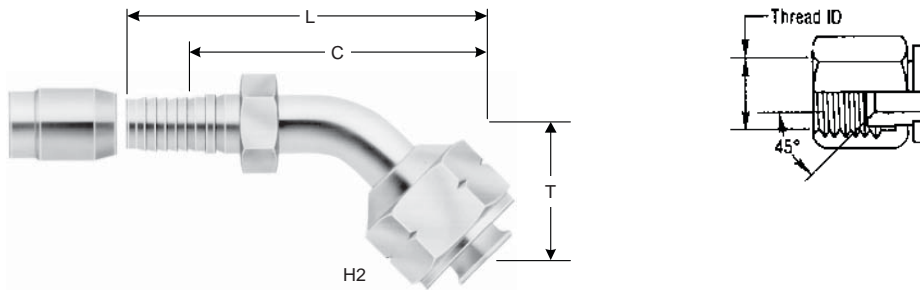


Female SAE 45° Flare Swivel - Brass



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack	
		"	mm				"	mm	"	mm		
STANDARD PACK												
6C14-6FSX-B	7753-10195	5/16	7.9	5/8-18	—	3/4	1.19	30.2	1.01	25.6	1	
12C14-12FSX-B	7753-10205	5/8	15.9	1 1/16-14	—	1 1/4	1.56	39.6	1.36	34.5	1	

Female SAE 45° Flare Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Std. Pack	
		"	mm					"	mm	"	mm		
STANDARD PACK													
4C14-4FSX45	7753-20215	3/16	4.8	7/16-20	—	9/16	.41	10.4	1.69	42.9	1.25	31.8	1
5C14-5FSX45	7753-20225	1/4	6.3	1/2-20	—	5/8	.49	12.4	1.85	47.0	1.44	36.6	1
6C14-6FSX45	7753-20235	5/16	7.9	5/8-18	—	3/4	.55	14.0	2.13	54.1	1.62	41.1	1
8C14-8FSX45	7753-20245	13/32	10.3	3/4-16	—	7/8	.63	16.0	2.44	62.0	1.88	47.8	1
10C14-10FSX45	7753-20635	1/2	12.7	7/8-14	—	1	.75	19.1	2.78	70.6	2.12	53.8	1
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	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

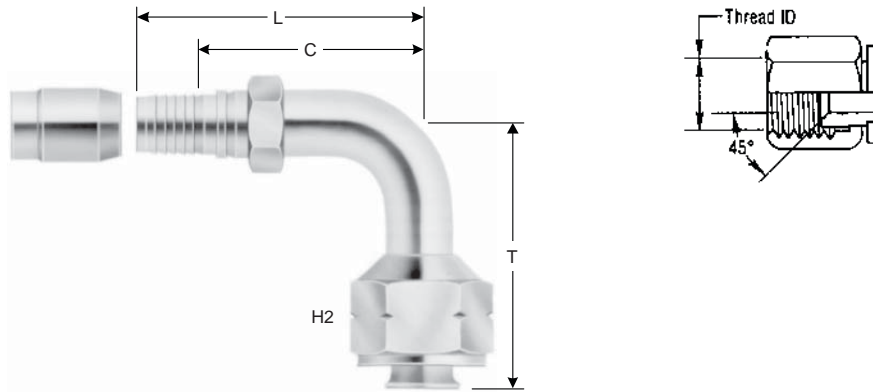
ACCESSORIES

EQUIPMENT AND PARTS



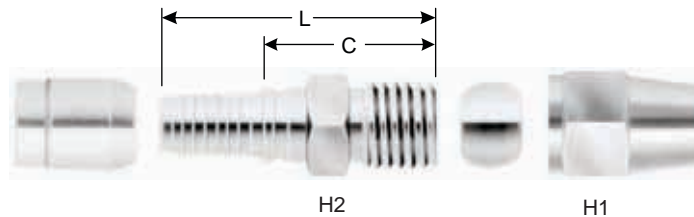
C14 Couplings

Female SAE 45° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
4C14-4FSX90	7753-20255	3/16	4.8	7/16-20	—	9/16	.71	18.0	1.42	36.1	1.00	25.4	1
5C14-5FSX90	7753-20265	1/4	6.3	1/2-20	—	5/8	.88	22.4	1.55	39.4	1.06	26.9	1
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	1
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	1
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	1
12C14-12FSX90	7753-20665	5/8	15.9	1 1/16-14	—	1 1/4	2.00	50.8	3.88	98.5	3.11	79.0	1

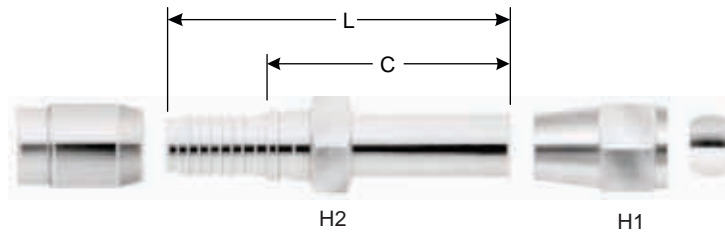
Air Brake Compression - Brass



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		⊖	Std. Pack
		"	mm		"	"	"	mm	"	mm	"	
STANDARD PACK												
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	1
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	1
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	1

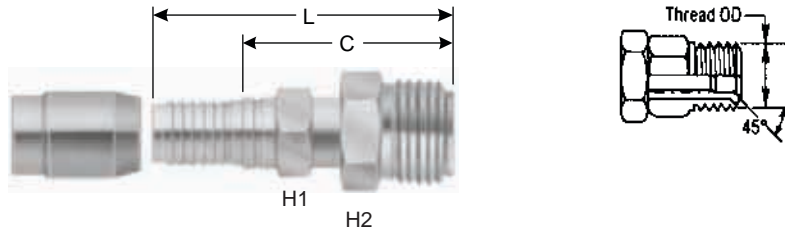


Straight Tube Assembly - Brass



Descr.	Prod. No.	⊖			H1	H2	L		C			Std. Pack
		"	mm		"	"	"	mm	"	mm		
STANDARD PACK												
10C14-8STA-B	7753-10415	1/2	12.7	11/16-20	3/4	13/16	3.18	80.8	2.21	56.1	.5	1
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	1
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	1

SAE Male Inverted Swivel - Steel



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C14-4MIX	7753-20305	3/16	4.8	7/16-24	7/16	7/16	1.84	46.7	1.39	35.3	1
5C14-5MIX	7753-20315	1/4	6.3	1/2-20	1/2	1/2	1.90	48.3	1.45	36.8	1
6C14-6MIX	7753-20325	5/16	7.9	5/8-18	9/16	5/8	2.07	52.6	1.52	38.6	1
8C14-8MIX	7753-20335	13/32	10.3	3/4-12	5/8	3/4	2.21	56.1	1.60	40.6	1
10C14-10MIX	7753-20345	1/2	12.7	7/8-16	3/4	7/8	2.47	62.7	1.77	45.0	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

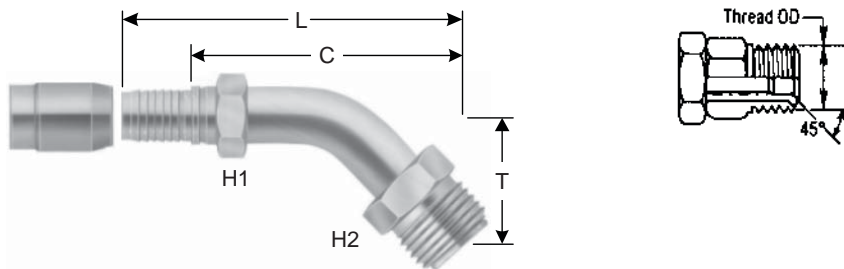
EQUIPMENT AND PARTS





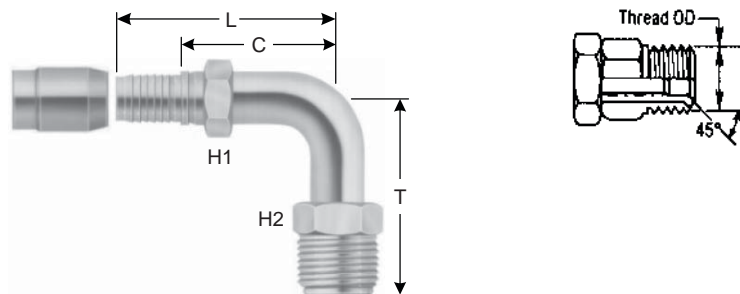
C14 Couplings

SAE Male Inverted Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
4C14-4MIX45	7753-20355	3/16	4.8	7/16-24	7/16	7/16	.73	18.5	1.99	50.5	1.53	38.9	1
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	1
8C14-8MIX45	7753-20375	13/32	10.3	3/4-16	5/8	3/4	1.14	28.9	2.95	74.9	2.10	53.3	1
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	1
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	1

SAE Male Inverted Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
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	1
5C14-5MIX90	7753-20395	1/4	6.3	1/2-20	1/2	1/2	1.48	37.6	1.54	39.1	1.09	27.7	1
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	1
8C14-8MIX90	7753-20415	13/32	10.3	3/4-16	5/8	3/4	1.91	48.5	2.10	53.3	1.77	45.0	1
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	1
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	1

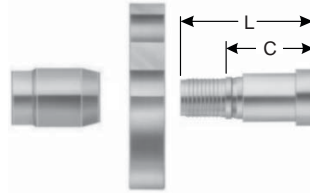
- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS**
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



C14 Couplings






Two-Bolt Flange Swivel - Brass (Steel Flange) - 'Laundry Flange'



Descr.	Prod. No.	⊖		A	L		C		Std. Pack
		"	mm		"	mm	"	mm	
STANDARD PACK									
6C14-6TBFLX	7753-10255	5/16	7.9	2.00	1.10	28.1	.28	7.1	1
12C14-12TBFLX	7753-10265	5/8	15.9	2.00	2.27	57.6	.59	15.0	1
16C14-16TBFLX	7753-10275	7/8	22.2	2.00	2.45	62.3	.81	20.6	1

Power Trim Assemblies - Steel

Descr.	Prod. No.	⊖			L				Std. Pack
		"	mm		"	mm			
STANDARD PACK									
PTA-45	7752-00455	3/16	4.8	3/8-24	14.50	368.3	1000	2500	1
PTA-90	7752-00905	3/16	4.8	3/8-24	14.50	368.3	1000	2500	1

C14 Assembly with Two Female Dual Seat JIC 37°/SAE 45° Flare Swivel (FJSX) Couplings-Steel



Descr.	Prod. No.	⊖		L		Std. Pack
		"	mm	"	mm	
STANDARD PACK						
10C14-10FJSX-10FJSX-18	4479-0002	1/2	12.7	18.00	457.2	1
10C14-10FJSX-10FJSX-24	4479-0003	1/2	12.7	24.00	609.6	1
10C14-10FJSX-10FJSX-30	4479-0004	1/2	12.7	30.00	762.0	1
10C14-10FJSX-10FJSX-36	4479-0005	1/2	12.7	36.00	914.4	1
10C14-10FJSX-10FJSX-42	4479-0006	1/2	12.7	42.00	1066.8	1
10C14-10FJSX-10FJSX-48	4479-0007	1/2	12.7	48.00	1219.2	1
10C14-10FJSX-10FJSX-54	4479-0008	1/2	12.7	54.00	1371.6	1
10C14-10FJSX-10FJSX-72	4479-0009	1/2	12.7	72.00	1828.8	1
10C14-10FJSX-10FJSX-84	4479-0010	1/2	12.7	84.00	2133.6	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



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J9



C14 Couplings

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

C14 Assembly with Two Air Brake Compression (ABC) Couplings - Steel



Descr.	Prod. No.	⊖		L		Std. Pack
		"	mm	"	mm	
STANDARD PACK						
10C14-10ABC-10ABC-18	4479-0011	1/2	12.7	18.00	457.2	1
10C14-10ABC-10ABC-24	4479-0012	1/2	12.7	24.00	609.6	1

C14 Assembly with Two Straight Tube Assembly (STA) Couplings - Steel



Descr.	Prod. No.	⊖		L		Std. Pack
		"	mm	"	mm	
STANDARD PACK						
10C14-10STA-10STA-18	4479-0013	1/2	12.7	18.00	457.2	1
10C14-10STA-10STA-24	4479-0014	1/2	12.7	24.00	609.6	1
10C14-10STA-10STA-36	4479-0015	1/2	12.7	36.00	914.4	1

C14 One Straight Tube Assembly (STA) and One Air Brake Compression (ABC) Couplings - Steel



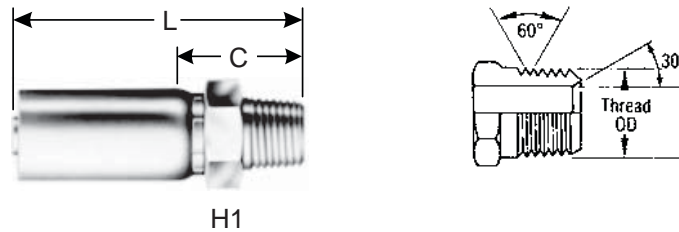
Descr.	Prod. No.	⊖		L		Std. Pack
		"	mm	"	mm	
STANDARD PACK						
10C14-10STA-10ABC-18	4479-0016	1/2	12.7	18.00	457.2	1
10C14-10STA-10ABC-24	4479-0017	1/2	12.7	24.00	609.6	1
10C14-10STA-10ABC-36	4479-0018	1/2	12.7	36.00	914.4	1
10C14-10STA-10ABC-48	4479-0019	1/2	12.7	48.00	1219.2	1
12C14-12STA-12ABC-24	4479-0022	5/8	12.7	24.00	609.6	1
12C14-12STA-12ABC-36	4479-0023	5/8	12.7	36.00	914.4	1
12C14-12STA-12ABC-48	4479-0024	5/8	15.9	48.00	1219.2	1



PCTS Thermoplastic Couplings (One-Piece)



Male Pipe (NPTF - 30° Cone Seat)

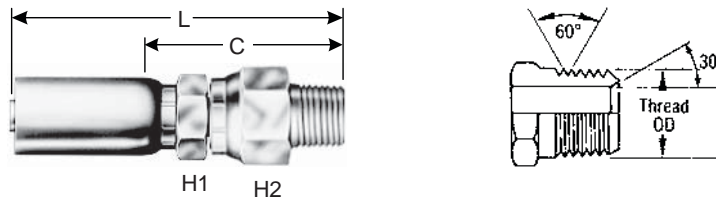


H1

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
2PCTS-2MP	7336-11985	1/8	3.2	1/8-27	1/2	—	1.34	34.0	.74	18.8	1
2PCTS-4MP	7336-11995	1/8	3.2	1/4-18	1/2	—	1.53	38.9	.93	23.6	1
3PCTS-2MP	7336-12005	3/16	4.8	1/8-27	9/16	—	1.94	49.3	1.08	27.4	1
3PCTS-4MP	7336-12015	3/16	4.8	1/4-18	11/16	—	2.13	54.1	1.27	32.2	1

Male Pipe Swivel (NPTF - Without 30° Cone Seat)

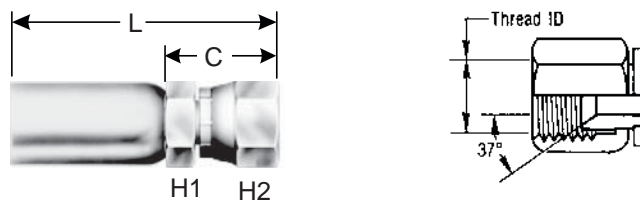
NOT TO BE USED AS A LIVE SWIVEL.



H1 H2

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
2PCTS-2MPX	7337-11985	1/8	3.2	1/8-27	1/2	23/32	1.93	49.0	1.33	33.8	1
3PCTS-2MPX	7337-12005	3/16	4.8	1/8-27	23/32	23/32	2.50	63.5	1.50	38.1	1
3PCTS-4MPX	7337-12015	3/16	4.8	1/4-18	23/32	23/32	2.72	69.1	1.86	47.2	1

Female JIC 37° Flare Swivel



H1 H2

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
2PCTS-3FJX	7338-11985	1/8	3.2	3/8-24	1/2	9/16	1.65	41.9	1.05	26.7	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



The World's Most Trusted Name in Belts, Hose and Hydraulics.

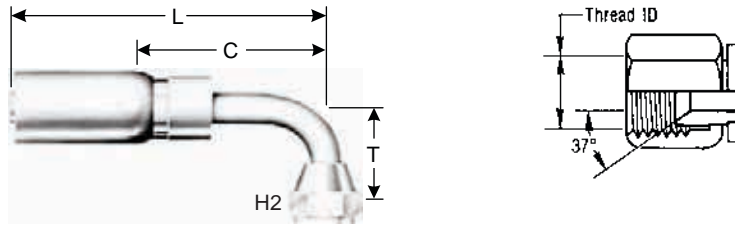
www.gates.com/hydraulics

K1



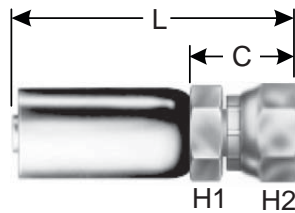
PCTS Thermoplastic Couplings (One-Piece)

Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
3PCTS-4FJX90S	7338-12695	3/16	4.8	7/16-20	—	9/16	.78	19.8	2.45	62.2	1.58	40.1	1

Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube

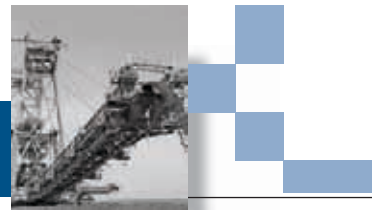


Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
2PCTS-4FJSX	7338-11995	1/4	3.2	7/16-20	1/2	5/8	1.73	43.9	1.12	28.4	1
3PCTS-4FJSX	7338-12005	3/16	4.8	7/16-20	9/16	5/8	2.23	56.6	1.16	29.5	1

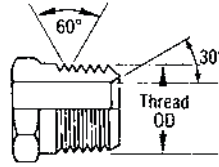
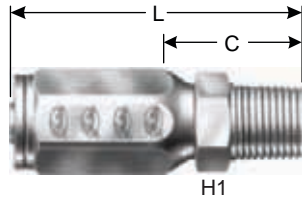
- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS**
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



Field Attachable 'Type T' for G1 Hose (1-Wire)

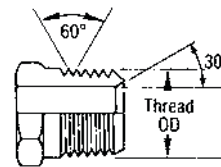
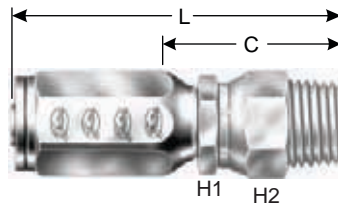


Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C1T-2RMP	7231-81241	1/4	6.4	1/8-27	1/2	—	2.30	58.4	1.29	32.8	1
4C1T-4RMP	7231-81210	1/4	6.4	1/4-18	9/16	—	2.52	64.0	1.51	38.4	1
6C1T-4RMP	7231-81242	3/8	9.5	1/4-18	9/16	—	2.68	68.1	1.54	39.1	1
6C1T-6RMP	7231-81211	3/8	9.5	3/8-18	11/16	—	2.53	64.3	1.39	35.3	1
8C1T-6RMP	7231-81243	1/2	12.7	3/8-18	11/16	—	3.05	77.5	1.70	43.2	1
8C1T-8RMP	7231-81212	1/2	12.7	1/2-14	7/8	—	3.06	77.7	1.71	43.4	1
8C1T-12RMP	7231-81244	1/2	12.7	3/4-14	1 1/16	—	3.13	79.5	1.87	47.5	1
12C1T-12RMP	7231-81213	3/4	19.0	3/4-14	1 1/16	—	3.19	81.0	1.73	43.9	1
16C1T-16RMP	7231-81214	1	25.4	1-11 1/2	1 3/8	—	3.78	96.0	2.10	53.3	1

Male Pipe Swivel (NPTF - Without 30° Cone Seat)



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C1T-4RMPX	7231-22445	1/4	6.4	1/4-18	7/16	7/8	3.18	80.8	2.17	55.1	1
6C1T-6RMPX	7231-22455	3/8	9.5	3/8-18	5/8	7/8	3.51	89.2	2.23	56.6	1
8C1T-8RMPX	7231-22465	1/2	12.7	1/2-14	3/4	1	3.99	101.3	2.63	66.8	1
12C1T-12RMPX	7231-22475	3/4	19.0	3/4-14	1 1/16	1 5/16	4.27	108.5	2.73	69.3	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

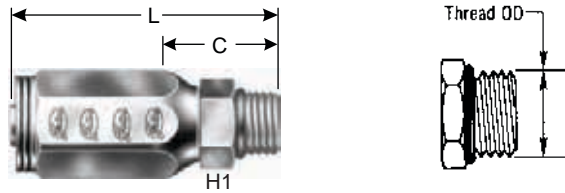




Field Attachable 'Type T' for G1 Hose (1-Wire)

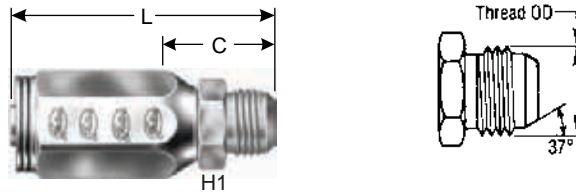
EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Male O-Ring Boss



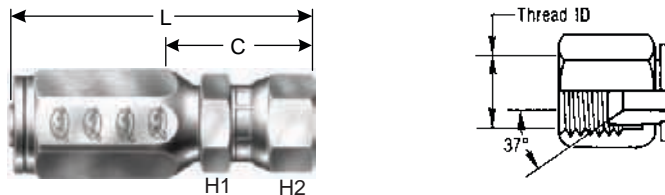
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
6C1T-6RMB	7231-22255	3/8	9.5	9/16-18	11/16	—	2.52	64.0	1.24	31.5	1
6C1T-8RMB	7231-22265	3/8	9.5	3/4-16	7/8	—	2.59	65.8	1.32	33.5	1
8C1T-8RMB	7231-22275	1/2	12.7	3/4-16	7/8	—	2.87	72.9	1.52	38.6	1
8C1T-10RMB	7231-22285	1/2	12.7	7/8-14	1	—	3.11	79.0	1.76	44.7	1

Male JIC 37° Flare



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
6C1T-6RMJ	7231-22185	3/8	9.5	9/16-18	9/16	—	2.68	68.1	1.40	35.6	1
8C1T-8RMJ	7231-22195	1/2	12.7	3/4-16	3/4	—	3.05	77.5	1.70	43.2	1
8C1T-10RMJ	7231-22205	1/2	12.7	7/8-14	7/8	—	3.31	84.1	1.96	49.8	1
12C1T-12RMJ	7231-22215	3/4	19.0	1 1/16-12	1 1/16	—	3.52	89.4	1.98	50.3	1

Female JIC 37° Flare Swivel




Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C1T-4RFJX	7231-81215	1/4	6.4	7/16-20	9/16	9/16	2.47	62.7	1.46	37.1	1
4C1T-5RFJX	7231-81216	1/4	6.4	1/2-20	11/16	11/16	2.58	65.5	1.57	39.9	1
6C1T-6RFJX	7231-81217	3/8	9.5	9/16-18	3/4	3/4	2.80	71.1	1.65	41.9	1
6C1T-8RFJX	7231-81218	3/8	9.5	3/4-16	3/4	7/8	2.91	73.9	1.76	44.7	1



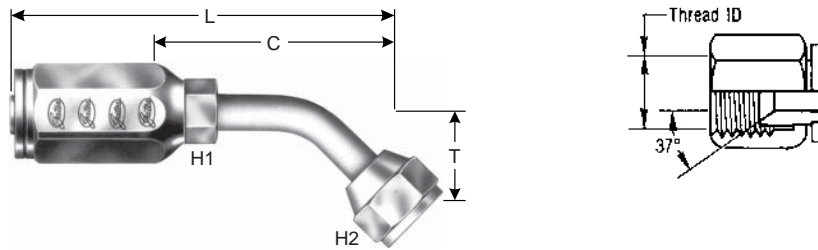
Field Attachable 'Type T' for G1 Hose (1-Wire)




Female JIC 37° Flare Swivel - Cont'd

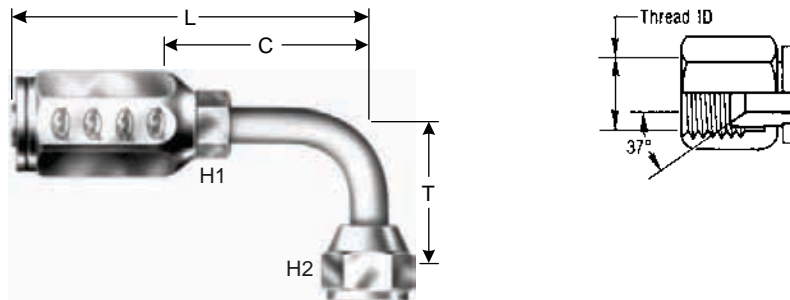
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
8C1T-8RFJX	7231-81219	1/2	12.7	3/4-16	13/16	7/8	3.24	82.3	1.89	48.0	1
8C1T-10RFJX	7231-81220	1/2	12.7	7/8-14	13/16	1 1/16	3.34	84.8	1.99	50.5	1
12C1T-12RFJX	7231-81221	3/4	19.0	1 1/16-12	1 1/8	1 1/4	3.45	87.6	1.91	48.5	1
16C1T-16RFJX	7231-81222	1	25.4	1 5/16-12	1 3/8	1 1/2	3.90	99.1	2.22	56.4	1


Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Std. Pack	
		"	mm		"	"	"	mm	"	mm	"		mm
STANDARD PACK													
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	1
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	1
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	1
12C1T-12RFJX45	7231-22575	3/4	19.0	1 1/16-12	1 1/4	1 1/4	.78	19.8	4.70	119.4	3.16	80.3	1

Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Std. Pack	
		"	mm		"	"	"	mm	"	mm	"		mm
STANDARD PACK													
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	1
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	1
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	1
8C1T-8RFJX90	7231-22685	1/2	12.7	3/4-16	5/8	7/8	1.09	27.7	3.86	98.0	2.51	63.8	1
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	1
12C1T-12RFJX90	7231-22705	3/4	19.0	1 1/16-12	1 1/4	1 1/4	1.82	46.2	4.59	116.6	3.05	77.5	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

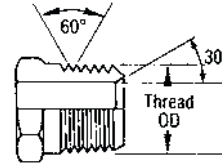
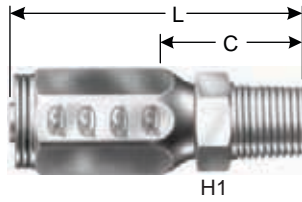
EQUIPMENT AND PARTS





Field Attachable 'Type T' for G2 Hose (2-Wire)

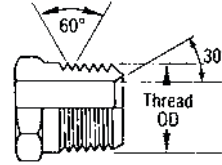
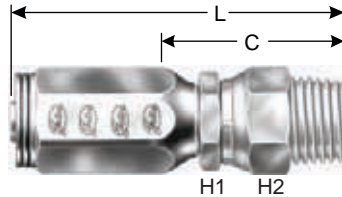
Male Pipe (NPTF - 30° Cone Seat)



H1

Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C2AT-2RMP	7231-81247	1/4	6.4	1/8-27	1/2	—	2.30	58.4	1.23	31.2	1
4C2AT-4RMP	7231-81223	1/4	6.4	1/4-18	9/16	—	2.52	64.0	1.45	36.8	1
6C2AT-4RMP	7231-81248	3/8	9.5	1/4-18	9/16	—	2.68	68.1	1.45	36.8	1
6C2AT-6RMP	7231-81224	3/8	9.5	3/8-18	11/16	—	2.53	64.3	1.30	33.0	1
8C2AT-6RMP	7231-81249	1/2	12.7	3/8-18	11/16	—	3.05	77.5	1.63	41.4	1
8C2AT-8RMP	7231-81225	1/2	12.7	1/2-14	7/8	—	3.06	77.7	1.64	41.6	1
8C2AT-12RMP	7231-81251	1/2	12.7	3/4-14	1 1/16	—	3.13	79.5	1.71	43.4	1
12C2AT-12RMP	7231-81226	3/4	19.0	3/4-14	1 1/16	—	3.19	81.0	1.65	41.9	1
16C2AT-16RMP	7231-81227	1	25.4	1-11 1/2	1 3/8	—	3.78	96.0	2.04	51.8	1
20C2AT-20RMP	7231-81228	1 1/4	31.8	1 1/4-11 1/2	1 3/4	—	4.59	116.6	2.49	63.2	1
24C2AT-24RMP	7231-81252	1 1/2	38.1	1 1/2-11 1/2	2	—	5.18	131.6	2.68	68.1	1

Male Pipe Swivel (NPTF - Without 30° Cone Seat)



H1 H2

Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C2AT-4RMPX	7231-22495	1/4	6.4	1/4-18	7/16	11/16	3.18	80.8	2.11	53.6	1
6C2AT-6RMPX	7231-22505	3/8	9.5	3/8-18	5/8	7/8	3.51	89.2	2.27	57.7	1
8C2AT-8RMPX	7231-22515	1/2	12.7	1/2-14	3/4	1	3.99	101.3	2.56	65.0	1
12C2AT-12RMPX	7231-22525	3/4	19.0	3/4-14	1 1/16	1 5/16	4.27	108.5	2.73	69.3	1

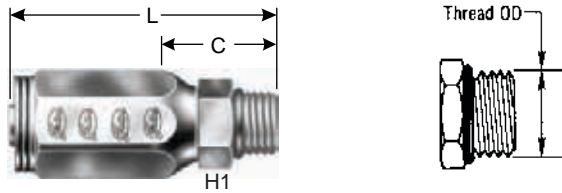
- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS




Field Attachable 'Type T' for G2 Hose (2-Wire)

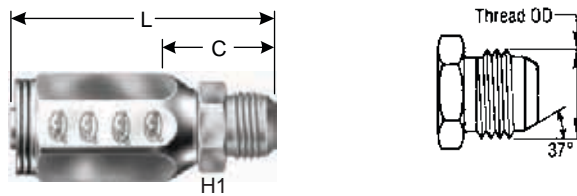



Male O-Ring Boss



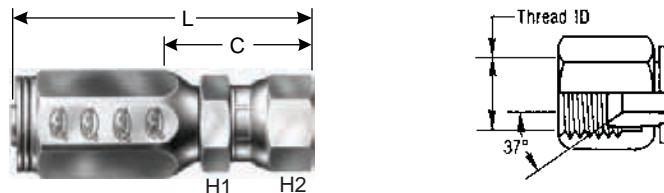
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
6C2AT-6RMB	7231-22355	3/8	9.5	9/16-18	11/16	—	2.52	64.0	1.28	32.5	1
6C2AT-8RMB	7231-22365	3/8	9.5	3/4-16	7/8	—	2.59	65.8	1.36	34.5	1
8C2AT-8RMB	7231-22375	1/2	12.7	3/4-16	7/8	—	2.87	72.9	1.45	36.8	1
8C2AT-10RMB	7231-22385	1/2	12.7	7/8-14	1	—	3.11	79.0	1.59	40.4	1


Male JIC 37° Flare



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
6C2AT-6RMJ	7231-22025	3/8	9.5	9/16-18	9/16	—	2.68	68.1	1.45	36.8	1
8C2AT-8RMJ	7231-22045	1/2	12.7	3/4-16	3/4	—	3.05	77.5	1.63	41.4	1
8C2AT-10RMJ	7231-22055	1/2	12.7	7/8-14	7/8	—	3.31	84.1	1.89	48.0	1
12C2AT-12RMJ	7231-22065	3/4	19.0	1 1/16-12	1 1/16	—	3.52	89.4	1.98	50.3	1

Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C2AT-4RFJX	7231-81229	1/4	6.4	7/16-20	9/16	9/16	2.47	62.7	1.40	35.6	1
4C2AT-5RFJX	7231-81230	1/4	6.4	1/2-20	11/16	11/16	.68	17.3	2.58	65.5	1
6C2AT-6RFJX	7231-81231	3/8	9.5	9/16-18	3/4	3/4	2.80	71.1	1.56	39.6	1
6C2AT-8RFJX	7231-81232	3/8	9.5	3/4-16	3/4	3/4	2.91	73.9	1.67	42.4	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



Field Attachable 'Type T' for G2 Hose (2-Wire)



EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

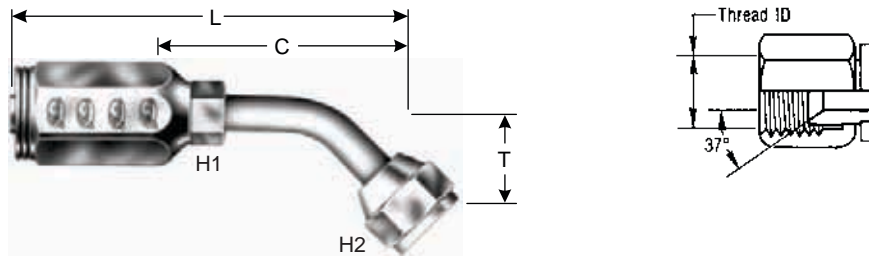
ACCESSORIES

EQUIPMENT AND PARTS

Female JIC 37° Flare Swivel - Cont'd

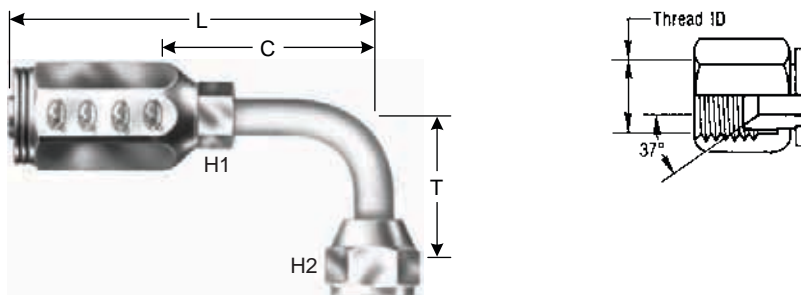
Descr.	Prod. No.	⊖			H1		H2		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm			
8C2AT-8RFJX	7231-81233	1/2	12.7	3/4-16	13/16	7/8	3.24	82.3	1.82	46.2	1		
8C2AT-10RFJX	7231-81234	1/2	12.7	7/8-14	13/16	1 1/16	3.34	84.8	1.92	48.8	1		
12C2AT-12RFJX	7231-81235	3/4	19.0	1 1/16-12	1 1/8	1 1/2	3.45	87.6	1.91	48.5	1		
16C2AT-16RFJX	7231-81236	1	25.4	1 5/16-12	1 3/8	1 1/2	3.90	99.1	2.16	54.9	1		
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	1		
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	1		

Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖			H1		H2		T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm			
STANDARD PACK															
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	1		
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	1		
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	1		
12C2AT-12RFJX45	7231-22625	3/4	19.0	1 1/16-12	7/8	1 1/4	.78	19.8	4.70	119.4	3.16	80.3	1		

Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖			H1		H2		T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm			
STANDARD PACK															
4C2AT-4RFJX90	7231-22755	1/4	6.4	7/16-20	3/8	9/16	.68	17.3	2.69	68.3	1.62	41.1	1		
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	1		
6C2AT-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	1		
8C2AT-8RFJX90	7231-22785	1/2	12.7	3/4-16	5/8	7/8	1.09	27.7	3.86	98.0	2.42	61.5	1		
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	1		
12C2AT-12RFJX90	7231-22805	3/4	19.0	1 1/16-12	7/8	1 1/4	1.82	46.2	4.59	116.6	3.05	77.5	1		

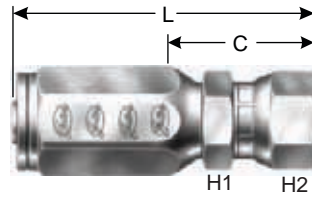



Field Attachable 'Type T' for G2 Hose (2-Wire)



Female Flat-Face O-Ring Swivel

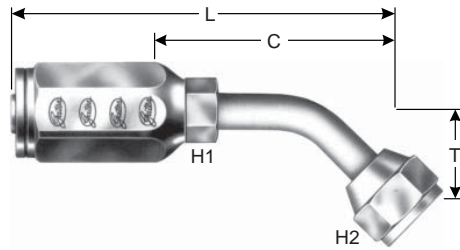
SAE J1453 O-Ring Face Seal.




Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C2AT-4RFFORX	7231-14105	1/4	6.4	9/16-18	43/64	43/64	2.50	63.5	1.43	36.3	1
6C2AT-6RFFORX	7231-14125	3/8	9.5	11/16-16	7/8	7/8	2.88	73.1	1.64	41.7	1
8C2AT-8RFFORX	7231-14145	1/2	12.7	13/16-16	61/64	61/64	3.37	85.6	1.94	42.3	1
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	1

Female Flat-Face O-Ring Swivel - 45° Bent Tube

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Std. Pack	
		"	mm		"	"	"	mm	"	mm	"		mm
STANDARD PACK													
4C2AT-4RFFORX45S	7231-14305	1/4	6.4	9/16-18	3/8	9/16	.68	17.3	2.69	68.3	1.62	41.1	1
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	1
8C2AT-8RFFORX45S	7231-14345	1/2	12.7	13/16-16	5/8	7/8	1.09	27.7	3.86	98.0	2.42	61.5	1
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	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

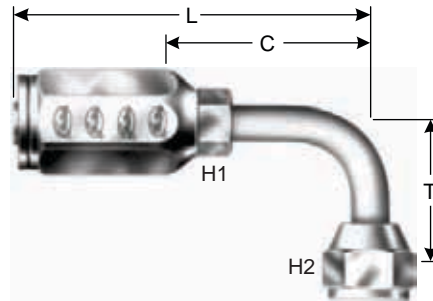





Field Attachable 'Type T' for G2 Hose (2-Wire)

Female Flat-Face O-Ring Swivel - 90° Bent Tube

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
4C2AT-4RFFORX90S	7231-14505	1/4	6.4	9/16-18	3/8	9/16	.68	17.3	2.69	68.3	1.62	41.1	1
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	1
8C2AT-8RFFORX90S	7231-14545	1/2	12.7	13/16-16	5/8	7/8	1.09	27.7	3.86	98.0	2.42	61.5	1

- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS**
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



Field Attachable Type T Reusable Stems and Sockets (1 and 2 - Wire)



NPTF Solid Male Stem Only (1 and 2 Wire)



Descr.	Prod. No.			Std. Pack
		"		
BULK PACK				
4-2RTMPXBULK	7231-2021	1/4	1/8-27	25
4-4RTMPXBULK	7231-2022	1/4	1/4-18	50
6-6RTMPXBULK	7231-2024	3/8	3/8-18	25
8-8RTMPXBULK	7231-2026	1/2	1/2-14	50
12-12RTMPXBULK	7231-2028	3/4	3/4-14	25

JIC Swivel Female Stem Only (1 and 2 Wire)



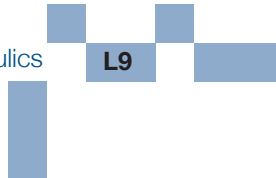
Descr.	Prod. No.			Std. Pack
		"		
BULK PACK				
4-4RTFJX XBULK	7231-2030	1/4	7/16-20	25
6-6RTFJX XBULK	7231-2032	3/8	9/16-18	25
8-8RTFJX XBULK	7231-2034	1/2	3/4-16	25
12-12RTFJX XBULK	7231-2036	3/4	1 1/16-12	25

Sockets for 1 Wire Only



Descr.	Prod. No.		Std. Pack
		"	
BULK PACK			
4C1TFXBULK	7231-2039	1/4	50
6C1TFXBULK	7231-2040	3/8	50
8C1TFXBULK	7231-2041	1/2	40
12C1TFXBULK	7231-2042	3/4	50

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



Field Attachable Type T Reusable Stems and Sockets (1 and 2 - Wire)



Sockets for 2 Wire Only



Descr.	Prod. No.	⊖	Std. Pack
		"	
BULK PACK			
4C2ATFXBULK	7231-2082	1/4	200
6C2ATFXBULK	7231-2083	3/8	50
8C2ATFXBULK	7231-2084	1/2	50
12C2ATFXBULK	7231-2085	3/4	50
16C2ATFXBULK	7231-2086	1	25

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

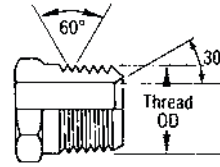
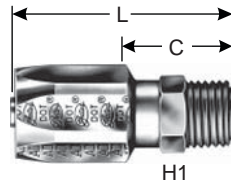


Field Attachable for C5C, C5D & C5M Hose



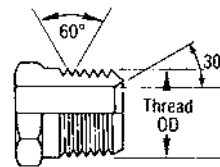
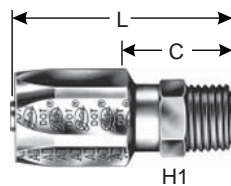
Male Pipe (NPTF - 30° Cone Seat) - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C5-2RMP	7236-04015	3/16	4.8	1/8-27	1/2	—	1.64	41.6	.94	23.9	1
4C5-4RMP	7236-04025	3/16	4.8	1/4-18	9/16	—	1.83	46.5	1.13	28.7	1
5C5-2RMP	7236-04035	1/4	6.4	1/8-27	1/2	—	1.77	45.0	1.00	25.4	1
5C5-4RMP	7236-04045	1/4	6.4	1/4-18	9/16	—	1.96	49.8	1.19	30.2	1
6C5-4RMP	7236-04055	5/16	7.9	1/4-18	9/16	—	2.17	55.1	1.22	31.0	1
6C5-6RMP	7236-04275	5/16	7.9	3/8-18	11/16	—	2.17	55.1	1.22	31.0	1
8C5-6RMP	7236-04065	13/32	10.3	3/8-18	11/16	—	2.46	62.5	1.34	34.0	1
8C5-8RMP	7236-04075	13/32	10.3	1/2-14	7/8	—	2.71	68.8	1.59	40.4	1
10C5-8RMP	7236-04085	1/2	12.7	1/2-14	1 1/16	—	2.88	73.2	1.59	40.4	1
10C5-12RMP	7236-04095	1/2	12.7	3/4-14	1	—	2.95	74.9	1.66	42.2	1
12C5-8RMP	7236-04105	5/8	15.9	1/2-14	7/8	—	3.15	80.1	1.59	40.4	1
12C5-12RMP	7236-04115	5/8	15.9	3/4-14	1 1/16	—	3.25	82.7	1.69	42.9	1
16C5-12RMP	7236-86412	7/8	22.2	3/4-14	1 1/8	—	2.71	68.8	1.53	38.9	1
16C5-16RMP	7236-86413	7/8	22.2	1-11 1/2	1 3/8	—	2.90	73.7	1.72	43.7	1
20C5-20RMP	7236-86428	1 1/8	28.6	1 1/4-11 1/2	1 11/16	—	3.25	82.5	1.88	47.8	1
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
32C5-32RMP	7236-86389	1 13/16	46.0	2-11 1/2	2 1/2	—	4.07	103.4	2.22	56.4	1
BULK PACK											
4C5-4RMPXBULK	7236-0402	3/16	4.8	1/4-18	9/16	—	1.83	46.5	1.13	28.7	500
5C5-4RMPXBULK	7236-0404	1/4	6.4	1/4-18	9/16	—	1.96	49.8	1.19	30.2	230
6C5-4RMPXBULK	7236-0405	5/16	7.9	1/4-18	9/16	—	2.17	55.1	1.22	31.0	175
8C5-8RMPXBULK	7236-0407	13/32	10.3	1/2-14	7/8	—	2.71	68.8	1.59	40.4	130
10C5-8RMPXBULK	7236-0408	1/2	12.7	1/2-14	1 1/16	—	2.88	73.2	1.59	40.4	80
10C5-12RMPXBULK	7236-0409	1/2	12.7	3/4-14	1	—	2.95	74.9	1.66	42.2	80
12C5-12RMPXBULK	7236-0411	5/8	15.9	3/4-14	1 1/16	—	3.25	82.7	1.69	42.9	50

Male Pipe (NPTF - 30° Cone Seat) - Brass



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
5C5-4RMPB	7236-03005	1/4	6.3	1/4-18	9/16	—	1.96	49.8	1.19	30.2	1
6C5-6RMPB	7236-03015	5/16	7.9	3/8-18	11/16	—	2.17	55.1	1.22	31.0	1
8C5-8RMPB	7236-03085	13/32	10.3	1/2-14	7/8	—	2.71	68.8	1.59	40.4	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



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M1



Field Attachable for C5C, C5D & C5M Hose

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

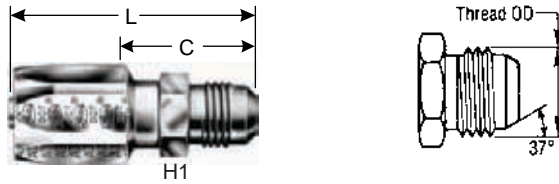
ACCESSORIES

EQUIPMENT AND PARTS

Male Pipe (NPTF - 30° Cone Seat) - Brass - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
10C5-8RMPB	7236-03035	1/2	12.7	1/2-14	7/8	—	2.88	73.2	1.59	40.4	1
12C5-12RMPB	7236-03045	5/8	15.9	3/4-14	1 1/16	—	3.26	82.8	1.69	42.9	1
16C5-16RMPB	7236-03065	7/8	22.2	1-11 1/2	1 3/8	—	2.91	73.9	1.72	43.7	1

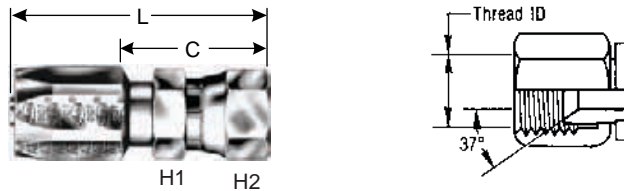
Male JIC 37° Flare - Steel



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C5-4RMJ	7236-86431	3/16	4.8	7/16-20	1/2	—	1.79	45.5	1.09	27.7	1
5C5-5RMJ	7236-86432	1/4	6.4	1/2-20	1/2	—	1.96	49.8	1.19	30.2	1
6C5-6RMJ	7236-86433	5/16	7.9	9/16-18	9/16	—	2.17	55.1	1.22	31.0	1
8C5-8RMJ	7236-86434	13/32	10.3	3/4-16	3/4	—	2.56	65.0	1.44	36.6	1
10C5-10RMJ	7236-86435	1/2	12.7	7/8-14	7/8	—	2.88	73.2	1.59	40.4	1
12C5-12RMJ	7236-86436	5/8	15.9	1 1/16-12	1 1/16	—	3.34	84.8	1.78	45.2	1
16C5-16RMJ	7236-86437	7/8	22.2	1 5/16-12	1 5/16	—	2.87	73.0	1.69	42.9	1

Female JIC 37° Flare Swivel - Steel

DOT FMVSS 106-74 Type All.



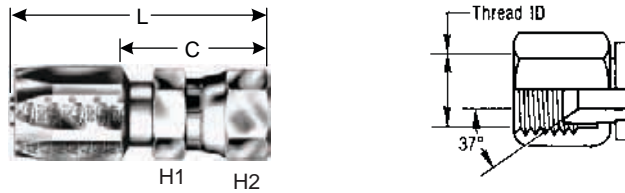
Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
6C5-6RFJX	7238-86443	5/16	7.9	9/16-18	3/4	3/4	2.39	60.7	1.44	36.6	1
8C5-6RFJX	7238-04305	13/32	10.3	9/16-18	3/4	3/4	2.66	67.6	1.54	39.1	1
10C5-12RFJX	7238-04325	1/2	12.7	1 1/16-12	1 1/4	1 1/4	3.22	81.8	1.93	49.0	1
12C5-12RFJX	7238-86446	5/8	15.9	1 1/8-12	1 1/4	1 1/4	3.50	88.9	1.94	49.3	1
16C5-16RFJX	7238-86447	7/8	22.2	1 5/16-12	1 1/2	1 1/2	3.12	79.2	1.94	49.3	1
20C5-20RFJX	7238-86394	1 1/8	28.6	1 5/8-12	2	2	3.56	90.4	2.19	55.6	1
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
32C5-32RFJX	7238-86396	1 13/16	46.0	2 1/2-12	2 1/2	2 7/8	4.99	126.7	2.72	69.1	1



Field Attachable for C5C, C5D & C5M Hose

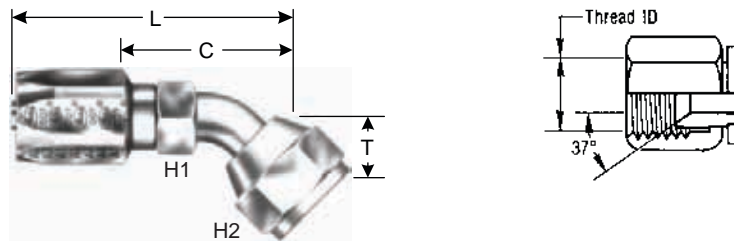


Female JIC 37° Flare Swivel - Brass



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
6C5-6RFJXB	7238-04075	5/16	7.9	9/16-18	3/4	3/4	2.39	60.7	1.44	36.6	1
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	1
16C5-16RFJXB	7238-04095	7/8	22.2	1 5/16-12	1 1/2	1 1/2	3.12	79.2	1.94	49.3	1

Female JIC 37° Flare Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Std. Pack	
		"	mm					"	mm	"	mm		
STANDARD PACK													
6C5-6RFJX45	7235-86464	5/16	7.9	9/16-18	1/2	11/16	.41	10.4	2.40	61.0	1.45	36.8	1
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	1
16C5-16RFJX45	7235-86468	7/8	22.2	1 5/16-12	1 1/8	1 1/2	.88	22.4	4.03	102.4	2.84	72.1	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

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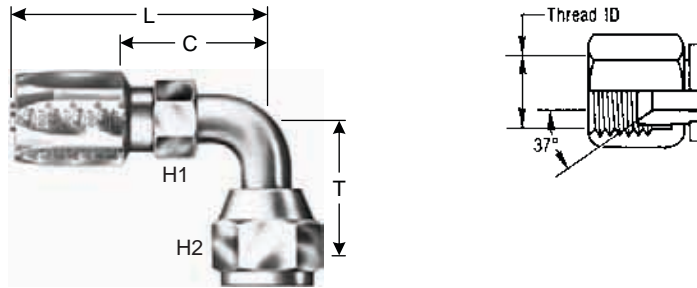
M3



Field Attachable for C5C, C5D & C5M Hose

Female JIC 37° Flare Swivel - 90° Bent Tube - Steel

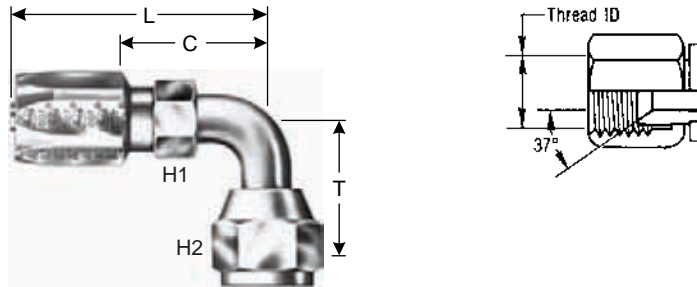
DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
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	1
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	1
16C5-16RFJX90	7235-86475	7/8	22.2	1 5/16-12	1 1/8	1 1/2	2.16	54.9	3.95	100.3	2.76	70.1	1
20C5-20RFJX90S	7235-20265	1 1/8	28.6	1 5/8-12	1 3/8	2	2.75	69.8	5.07	128.8	3.70	94.0	1
BULK PACK													
20C5-20RFJX90SXBULK	7235-2026	1 1/8	28.6	1 5/8-12	1 3/8	2	2.75	69.8	5.07	128.8	3.70	94.0	20

Female JIC 37° Flare Swivel - 90° Long Bent Tube - Steel

DOT FMVSS 106-74 Type All.



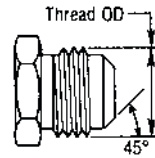
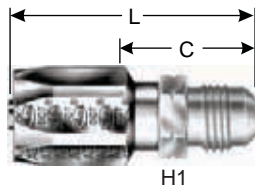
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
6C5-6RFJX90L	7235-04205	5/16	7.9	9/16-18	1/2	11/16	2.19	55.6	2.28	57.9	1.33	33.8	1
12C5-12RFJX90L	7235-86481	5/8	15.9	1 1/16-12	7/8	1 1/4	3.75	95.2	4.22	107.2	2.66	67.6	1
16C5-16RFJX90L	7235-86482	7/8	22.2	1 5/16-12	1 1/8	1 1/2	4.34	110.2	3.95	100.3	2.76	70.1	1
20C5-20RFJX90L	7235-20255	1 1/8	28.6	1 5/8-12	1 3/8	2	5.50	139.7	5.26	133.6	3.89	98.8	1



Field Attachable for C5C, C5D & C5M Hose



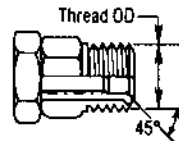
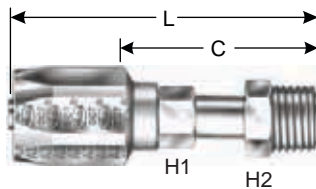
Male SAE 45° Flare - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C5-4RMS	7236-86414	3/16	4.8	1/2-20	1/2	—	1.76	44.7	1.06	26.9	1
5C5-5RMS	7236-86415	1/4	6.4	1/2-20	1/2	—	1.96	49.8	1.19	30.2	1
6C5-6RMS	7236-86416	5/16	7.9	5/8-18	5/8	—	2.23	56.6	1.28	32.5	1
8C5-8RMS	7236-86417	13/32	10.3	3/4-16	3/4	—	2.65	67.3	1.53	38.9	1
10C5-10RMS	7236-86418	1/2	12.7	7/8-14	7/8	—	3.01	76.5	1.72	43.7	1
12C5-12RMS	7236-86419	5/8	15.9	1 1/16-14	1 1/16	—	3.50	88.9	1.94	49.3	1

Male SAE 45° Flare Inverted Swivel - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C5-4RMIX	7235-86372	3/16	4.8	7/16-24	7/16	7/16	2.41	61.2	1.72	43.7	1
5C5-5RMIX	7235-86381	1/4	6.4	1/2-20	7/16	1/2	2.63	66.8	1.84	46.7	1
5C5-6RMIX	7235-01025	5/16	6.4	5/8-18	1/2	5/8	2.59	65.8	1.82	46.2	1
6C5-5RMIX	7235-01035	5/16	7.9	1/2-20	1/2	1/2	2.60	66.0	1.65	41.9	1
6C5-6RMIX	7235-86382	5/16	7.9	5/8-18	1/2	5/8	2.86	72.6	1.91	48.5	1
6C5-8RMIX	7235-01055	3/8	7.9	3/4-16	5/8	3/4	3.23	82.0	2.28	57.9	1
8C5-6RMIX	7235-01065	13/32	10.3	5/8-18	5/8	5/8	3.13	79.5	2.01	51.0	1
8C5-8RMIX	7235-01075	1/2	10.3	3/4-16	5/8	3/4	3.49	88.6	2.37	60.2	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
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Field Attachable for C5C, C5D & C5M Hose

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

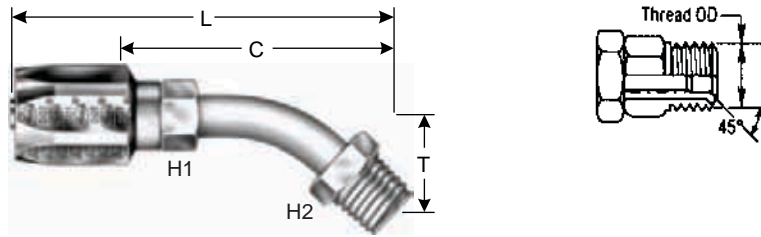
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

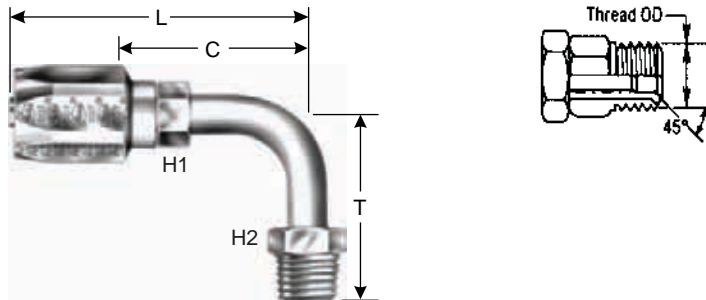
Male SAE 45° Flare Inverted Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
4C5-4RMIX45	7235-05005	3/16	4.8	7/16-24	7/16	7/16	.62	15.7	2.18	55.4	1.48	37.6	1
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	1
8C5-8RMIX45	7235-05025	13/32	10.3	1/2-14	5/8	3/4	1.09	27.7	3.44	87.4	2.32	58.9	1

Male SAE 45° Flare Inverted Swivel - 90° Bent Tube - Steel

DOT FMVSS 106-74 Type All.



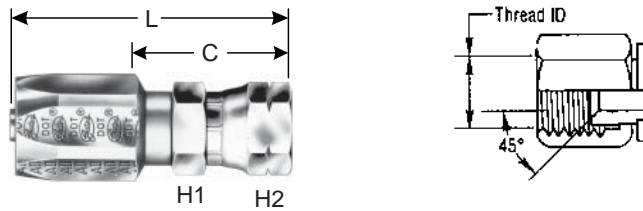
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
4C5-4RMIX90	7235-05105	3/16	4.8	7/16-24	7/16	7/16	1.56	39.6	2.17	55.1	1.47	37.3	1
5C5-5RMIX90	7235-86386	1/4	6.4	1/2-20	7/16	1/2	1.66	42.2	2.43	61.7	1.66	42.2	1
6C5-6RMIX90	7235-86387	5/16	7.9	5/8-18	1/2	5/8	1.69	42.9	2.64	67.0	1.69	42.9	1
6C5-8RMIX90	7235-05135	3/8	7.9	3/4-16	5/8	3/4	1.78	45.2	2.73	69.3	1.78	45.2	1
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	1
8C5-8RMIX90	7235-05155	1/2	10.3	1/2-14	5/8	3/4	1.78	45.2	2.90	73.7	1.78	45.2	1



Field Attachable for C5C, C5D & C5M Hose



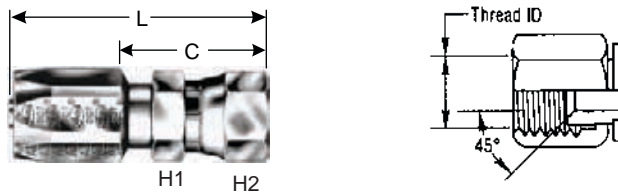
Female SAE 45° Flare Swivel - Steel



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
6C5-6RFSX	7238-04235	5/16	7.9	5/8-18	3/4	3/4	2.42	61.5	1.47	37.3	5
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	1
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	1

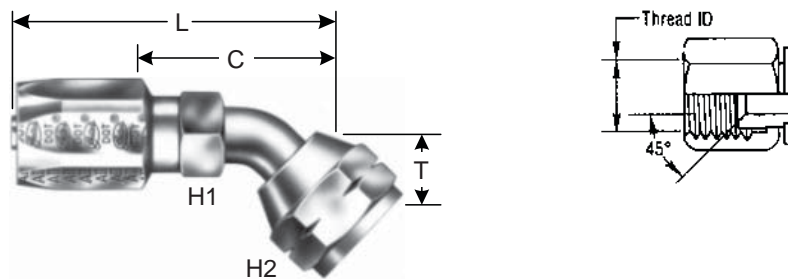
Female SAE 45° Flare Swivel - Brass

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
6C5-6RFSXB	7238-04045	5/16	7.9	5/8-18	3/4	3/4	2.42	61.5	1.47	37.3	1
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	1

Female SAE 45° Flare Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
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	1
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	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

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MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

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FIELD ATTACHABLE G1 & G2 COUPLINGS

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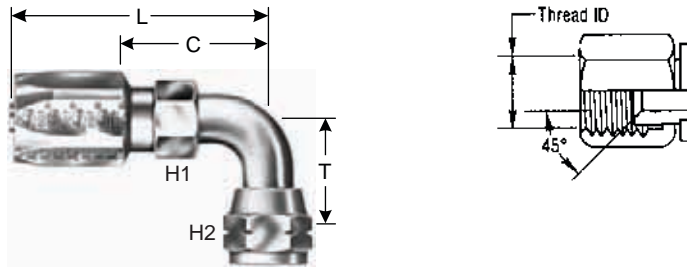
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M7



Field Attachable for C5C, C5D & C5M Hose

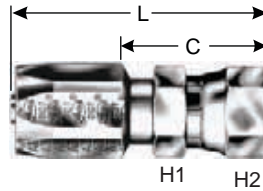
Female SAE 45° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
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	1
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	1
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	1
12C5-12RFSX90L	7235-86376	5/8	15.9	1 1/16-14	7/8	1 1/4	3.75	95.2	4.22	107.2	2.16	54.9	1

Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C5-4RFJSX	7238-04215	3/16	4.8	7/16-20	9/16	9/16	1.92	48.8	1.22	31.0	5
5C5-4RFJSX	7238-04275	1/4	6.4	7/16-20	9/16	9/16	2.05	52.1	1.28	32.5	1
5C5-5RFJSX	7238-04225	1/4	6.4	1/2-20	11/16	11/16	2.11	53.6	1.34	34.0	1
6C5-8RFJSX	7238-04295	5/16	7.9	3/4-16	7/8	7/8	2.48	63.0	1.53	38.9	1
8C5-8RFJSX	7238-04245	13/32	10.3	3/4-16	7/8	7/8	2.75	69.8	1.63	41.4	5
10C5-8RFJSX	7238-04315	1/2	12.7	3/4-16	7/8	7/8	2.93	74.4	1.64	41.6	1
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	5
BULK PACK											
4C5-4RFJSX XBULK	7238-0421	3/16	4.8	7/16-20	9/16	9/16	1.92	48.8	1.22	31.0	100
5C5-5RFJSX XBULK	7238-0422	1/4	6.4	1/2-20	11/16	11/16	2.11	53.6	1.34	34.0	125
8C5-8RFJSX XBULK	7238-0424	13/32	10.3	3/4-16	7/8	7/8	2.75	69.8	1.63	41.4	100
10C5-8RFJSX XBULK	7238-0431	1/2	12.7	3/4-16	7/8	7/8	2.93	74.4	1.64	41.6	80

- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

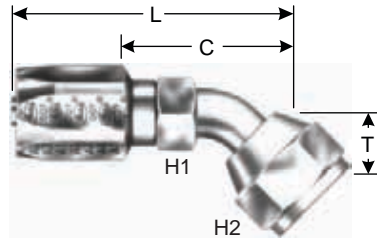


Field Attachable for C5C, C5D & C5M Hose



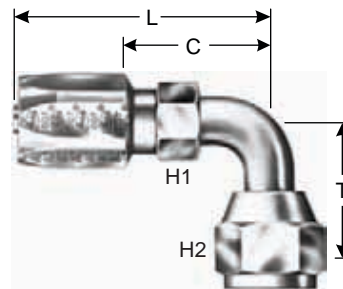
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
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	1
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	1
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	1
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	1
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	1

Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
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	1
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	1
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	1
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	1
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	1
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	1
10C5-10RFJSX90	7235-20135	1/2	12.7	7/8-14	3/4	1	1.25	31.8	3.41	86.6	2.12	53.8	1
10C5-10RFJSX90L	7235-20235	1/2	12.7	7/8-14	3/4	1	2.56	65.0	3.41	86.6	2.12	53.8	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





Field Attachable for C5C, C5D & C5M Hose

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

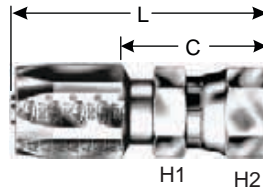
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

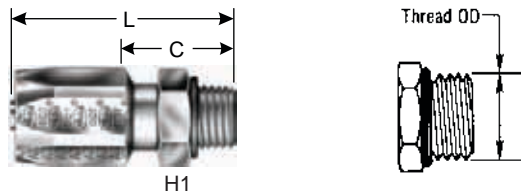
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Brass



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
5C5-5RFJSXB	7238-04005	1/4	6.4	1/2-20	11/16	11/16	2.11	53.6	1.34	34.0	1
8C5-8RFJSXB	7238-04015	13/32	10.3	3/4-16	7/8	7/8	2.75	69.8	1.63	41.4	1
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	1

Male O-Ring Boss - Steel

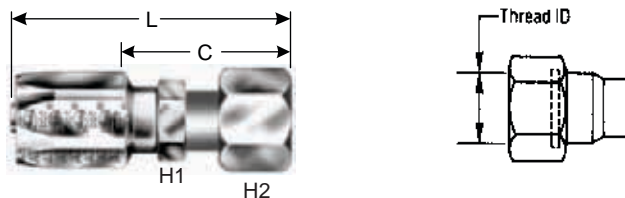
DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C5-4RMB	7236-86451	3/16	4.8	7/16-20	5/8	—	1.66	42.2	.94	23.9	1
6C5-6RMB	7236-86453	5/16	7.9	9/16-18	11/16	—	2.00	50.8	1.05	26.7	1
8C5-8RMB	7236-86454	13/32	10.3	3/4-16	15/16	—	2.35	59.7	1.19	30.2	1

Female Flat-Face Swivel - Steel

DOT FMVSS 106-74 Type All.
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C5-4RFFORX	7238-01505	3/16	4.8	9/16-18	9/16	11/16	2.07	52.6	1.32	33.5	1
6C5-6RFFORX	7238-01265	5/16	7.9	11/16-16	1/2	13/16	2.53	64.3	1.58	40.1	1
8C5-8RFFORX	7238-01535	13/32	10.3	13/16-16	13/16	15/16	2.92	74.3	1.77	45.1	1



Field Attachable for C5C, C5D & C5M Hose

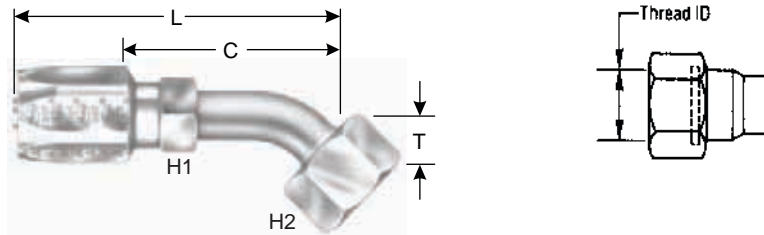


Female Flat-Face Swivel - Steel - Cont'd

Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
10C5-10RFFORX	7238-01545	1/2	12.7	1-14	15/16	1 1/8	3.23	82.0	1.94	49.3	1
12C5-12RFFORX	7238-01555	5/8	15.9	1 3/16-12	7/8	1 3/8	3.70	94.0	2.12	53.8	1

Female Flat-Face Swivel - 45° Bent Tube - Steel

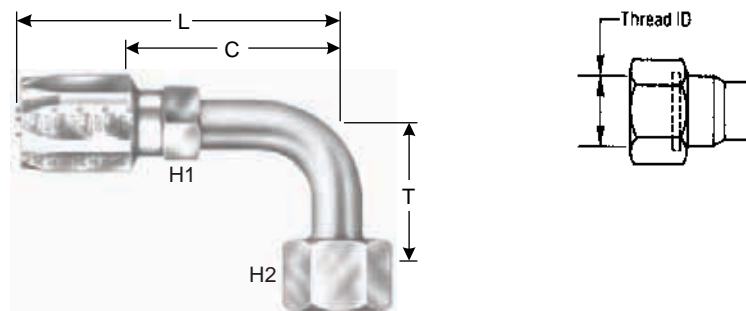
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Std. Pack	
		"	mm		"	"	"	mm	"	mm	"		mm
STANDARD PACK													
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	1

Female Flat-Face Swivel - 90° Bent Tube - Steel

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	T	L		C		Std. Pack	
		"	mm		"	"	"	mm	"	mm	"		mm
STANDARD PACK													
4C5-4RFFORX90	7235-05285	1/4	4.8	1/2-20	1/2	11/16	.82	20.8	2.17	55.1	1.42	36.1	1
6C5-6RFFORX90S	7235-05305	5/16	7.9	5/8-18	1/2	13/16	.90	22.9	2.77	70.3	1.82	46.2	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



Field Attachable for C5C, C5D & C5M Hose

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

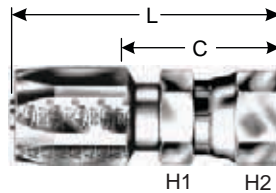
EQUIPMENT AND PARTS

SAE Male Flareless Assembly - Steel



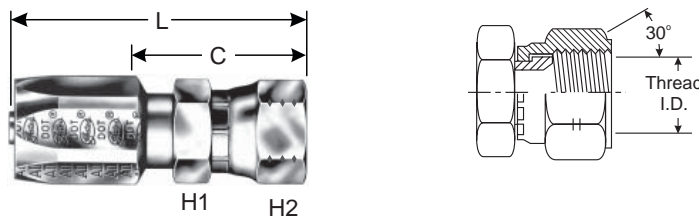
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C5-4RMFA	7236-04855	3/16	4.8	7/16-20	1/2	9/16	1.81	46.0	1.06	26.9	1
5C5-5RMFA	7236-04865	1/4	6.4	1/2-20	9/16	5/8	1.91	48.6	1.12	28.4	1
6C5-4RMFA	7236-04875	5/16	7.9	7/16-20	9/16	9/16	2.03	51.6	1.13	28.7	1
6C5-6RMFA	7236-04885	5/16	7.9	5/8-18	5/8	11/16	2.05	52.1	1.15	29.2	1
8C5-8RMFA	7236-04895	13/32	10.3	3/4-16	13/16	7/8	2.52	64.0	1.37	34.8	1
10C5-10RMFA	7236-04905	1/2	12.7	7/8-14	15/16	1	2.77	70.3	1.48	37.6	1

Female Air Brake Swivel - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
6C5-6RFABX	7238-04425	5/16	7.9	3/4-20	7/8	7/8	2.29	58.2	1.34	34.0	1
8C5-6RFABX	7238-04435	13/32	10.3	3/4-20	7/8	7/8	2.60	66.0	1.48	37.6	1

Parker Triple Thread Female Swivel - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
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	1

Field Attachable for C5C, C5D & C5M Hose




Sockets for C5C, C5D & C5M Hose Only - Steel



Descr.	Prod. No.	⊖	Std. Pack
		"	
BULK PACK			
4C5-FRLXBULK	7238-0498	3/16	25
5C5-FRLXBULK	7238-0499	1/4	25
6C5-FRLXBULK	7238-0500	5/16	25
8C5-FRLXBULK	7238-0501	13/32	25
10C5-FRLXBULK	7238-0502	1/2	10
12C5-FRLXBULK	7238-0503	5/8	10
16C5-FRLXBULK	7238-0504	7/8	10
20C5-FRLXBULK	7238-0505	1 1/8	5
24C5-FRLXBULK	7238-0506	1 3/8	5

SAE Swivel Female Stem Only - Steel



Descr.	Prod. No.	⊖		Std. Pack
		"		
BULK PACK				
6C5-6RFSX-STXBULK	7238-0441	5/16	5/8-18	25

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

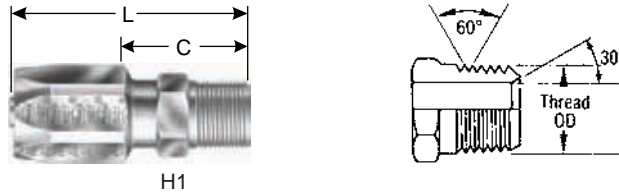




Field Attachable for C5E Hose

Male Pipe (NPTF - 30° Cone Seat) - Steel

DOT FMVSS Type AI (No mandrel required).

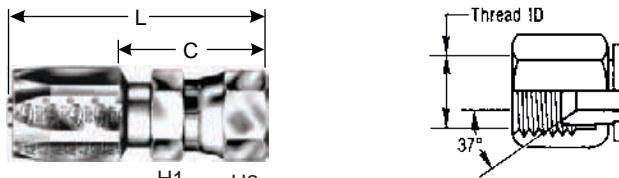


H1

Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C5E-2RMP	7236-00755	3/16	4.8	1/8-27	1/2	—	1.53	38.9	.81	20.6	1
4C5E-4RMP	7236-00765	3/16	4.8	1/4-18	9/16	—	1.75	44.5	1.03	26.2	1
5C5E-4RMP	7236-00775	1/4	6.4	1/4-18	9/16	—	1.76	44.7	.96	24.4	1
6C5E-4RMP	7236-00785	5/16	7.9	1/4-18	9/16	—	1.85	47.0	1.00	25.4	1
6C5E-6RMP	7236-00795	5/16	7.9	3/8-18	11/16	—	1.89	48.0	1.04	26.4	1
8C5E-6RMP	7236-00805	13/32	10.3	3/8-18	11/16	—	2.19	55.6	1.19	30.2	1
8C5E-8RMP	7236-00815	13/32	10.3	1/2-14	7/8	—	2.29	58.2	1.29	32.8	1
10C5E-8RMP	7236-00825	1/2	12.7	1/2-14	7/8	—	2.38	60.5	1.31	33.3	1
12C5E-12RMP	7236-00835	5/8	15.9	3/4-14	1 1/16	—	2.59	65.8	1.44	36.6	1
12C5E-16RMP	7236-00845	5/8	15.9	1-11 1/2	1 3/8	—	2.87	72.9	1.72	43.7	1
16C5E-12RMP	7236-00865	7/8	22.2	3/4-14	1 1/16	—	2.49	63.2	1.43	36.3	1
16C5E-16RMP	7236-00855	7/8	22.2	1-11 1/2	1 3/8	—	2.80	71.1	1.74	44.2	1
20C5E-20RMP	7236-00885	1 1/8	28.6	1 1/4-11	1 3/4	—	2.92	74.2	1.80	45.7	1
BULK PACK											
4C5E-2RMPXBULK	7236-0075	3/16	4.8	1/8-27	1/2	—	1.53	38.9	.81	20.6	300
4C5E-4RMPXBULK	7236-0076	3/16	4.8	1/4-18	9/16	—	1.75	44.5	1.03	26.2	150
8C5E-6RMPXBULK	7236-0080	13/32	10.3	3/8-18	11/16	—	2.19	55.6	1.19	30.2	100
20C5E-20RMPXBULK	7236-0088	1 1/8	28.6	1 1/4-11	1 3/4	—	2.92	74.2	1.80	45.7	25

Female JIC 37° Flare Swivel - Steel

DOT FMVSS Type AI (No mandrel required).



H1 H2

Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
6C5E-6RFJX	7238-01025	5/16	7.9	9/16-18	3/4	3/4	2.04	51.8	1.19	30.2	1
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	1
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	1
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
BULK PACK											
6C5E-6RFJX XBULK	7238-0102	5/16	7.9	9/16-18	3/4	3/4	2.04	51.8	1.19	30.2	250
12C5E-12RFJX XBULK	7238-0105	5/8	15.9	1 1/16-12	1 1/4	1 1/4	2.92	74.2	1.78	45.2	75
16C5E-16RFJX XBULK	7238-0106	7/8	22.2	1 5/16-12	1 1/2	1 1/2	2.90	73.7	1.84	46.7	50

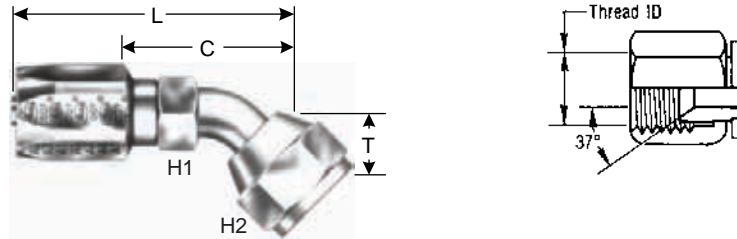


Field Attachable for C5E Hose



Female JIC 37° Flare Swivel - 45° Bent Tube - Steel

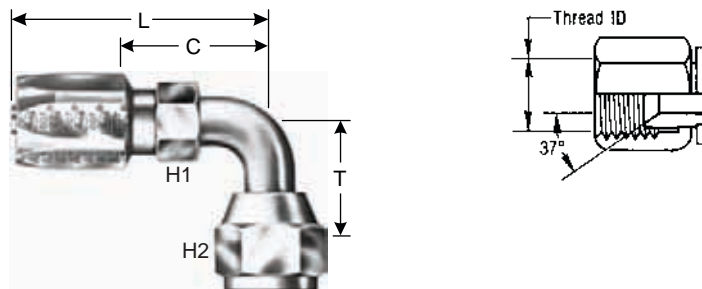
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
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	1
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	63.2	1

Female JIC 37° Flare Swivel - 90° Bent Tube - Steel

DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
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	1
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	1
16C5E-16RFJX90	7235-00285	7/8	22.2	1 5/16-13	1 1/4	1 1/2	2.16	54.9	3.72	94.5	2.66	67.6	1
20C5E-20RFJX90	7235-20345	1 1/8	26.6	1 5/8-12	2	1 9/16	2.65	67.3	5.58	141.0	4.45	113.0	1
BULK PACK													
6C5E-6RFJX90XBULK	7235-0030	5/16	7.9	9/16-18	1/2	11/16	.84	21.3	2.21	56.1	1.36	34.5	75
20C5E-20RFJX90XBULK	7235-2034	1 1/8	26.6	1 5/8-12	2	1 9/16	2.65	67.3	5.58	141.0	4.45	113.0	20

- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

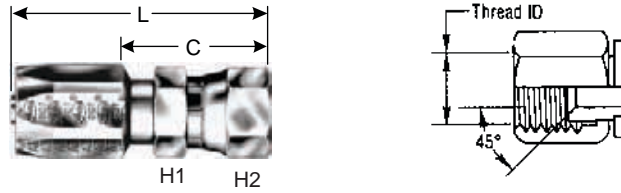




Field Attachable for C5E Hose

Female SAE 45° Flare Swivel - Steel

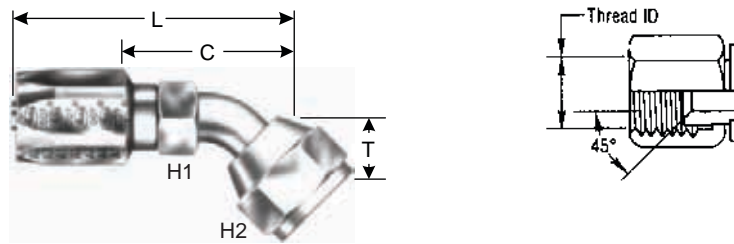
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
6C5E-6RFSX	7238-00955	5/16	7.9	5/8-18	3/4	3/4	2.13	54.1	1.28	32.5	5
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	1
BULK PACK											
12C5E-12RFSX XBULK	7238-0098	5/8	15.9	1 1/16-14	1 1/4	1 1/4	2.94	74.7	1.80	45.7	50

Female SAE 45° Flare Swivel - 45° Bent Tube - Steel

DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Std. Pack	
		"	mm					"	mm	"	mm		
STANDARD PACK													
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	1
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	63.2	1

- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS

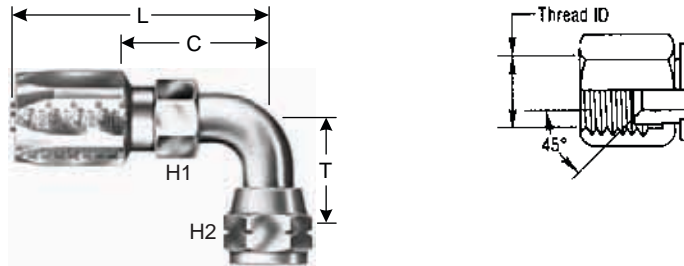


Field Attachable for C5E Hose



Female SAE 45° Flare Swivel - 90° Bent Tube - Steel

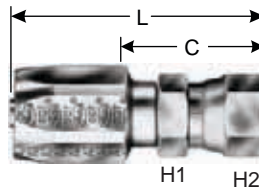
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm				"	mm	"	mm	"	mm	
STANDARD PACK													
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	1
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	1
BULK PACK													
12C5E-12RFSX90XBULK	7235-0027	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	35

Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Steel

DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C5E-4RFJSX	7238-01005	3/16	4.8	7/16-20	1/2	9/16	1.82	46.2	1.10	27.9	5
5C5E-5RFJSX	7238-01015	1/4	6.3	1/2-20	1/2	11/16	2.00	50.8	1.21	30.7	1
8C5E-8RFJSX	7238-01035	13/32	10.3	3/4-16	7/8	7/8	2.45	62.2	1.45	36.8	5
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	5
BULK PACK											
4C5E-4RFJSX XBULK	7238-0100	3/16	4.8	7/16-20	1/2	9/16	1.82	46.2	1.10	27.9	300
5C5E-5RFJSX XBULK	7238-0101	1/4	6.3	1/2-20	1/2	11/16	2.00	50.8	1.21	30.7	300
8C5E-8RFJSX XBULK	7238-0103	13/32	10.3	3/4-16	7/8	7/8	2.45	62.2	1.45	36.8	200
10C5E-10RFJSX XBULK	7238-0104	1/2	12.7	7/8-14	1 1/16	1 1/16	2.72	69.1	1.65	41.9	75

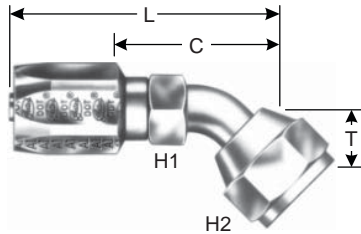
EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



Field Attachable for C5E Hose

Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube - Steel

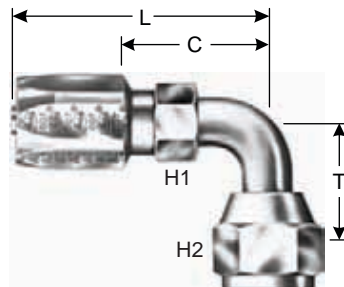
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
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	1
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	1
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	1
BULK PACK													
10C5E-10RFJSX45XBULK	7235-2044	1/2	12.7	7/8-14	3/4	1	.63	16.0	3.17	80.5	2.11	53.6	60

Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube - Steel

DOT FMVSS Type AI (No mandrel required).



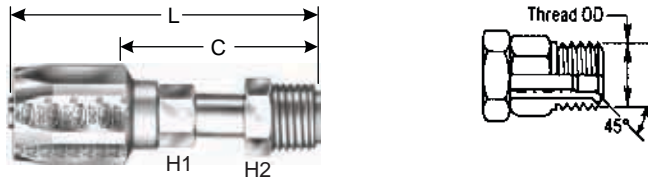
Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
4C5E-4RFJSX90	7235-20305	3/16	4.8	7/16-20	1/2	9/16	.69	17.5	1.72	43.7	1.00	25.4	1
8C5E-8RFJSX90	7235-20315	13/32	10.3	3/4-16	11/16	7/8	1.09	27.7	2.54	64.5	1.54	39.1	1
10C5E-10RFJSX90	7235-20325	1/2	12.7	7/8-14	3/4	1	1.25	31.8	2.97	75.4	1.91	48.5	1
BULK PACK													
4C5E-4RFJSX90XBULK	7235-2030	3/16	4.8	7/16-20	1/2	9/16	.69	17.5	1.72	43.7	1.00	25.4	200

Field Attachable for C5E Hose



Male SAE 45° Flare Inverted Swivel - Steel

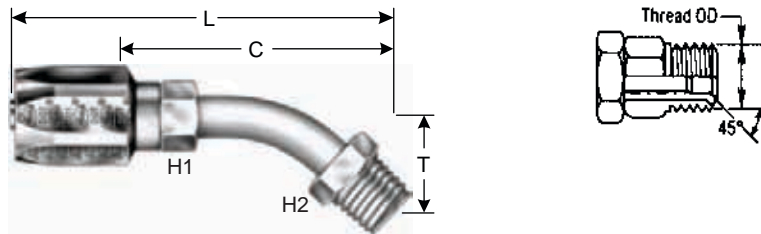
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm				"	mm	"	mm	
STANDARD PACK											
4C5E-4RMIX	7235-02855	3/16	4.8	7/16-24	1/2	7/16	2.05	52.1	1.33	33.8	1
5C5E-5RMIX	7235-02865	1/4	6.3	1/2-20	1/2	1/2	2.26	57.4	1.45	36.8	1
6C5E-5RMIX	7235-02875	5/16	7.9	1/2-20	1/2	1/2	2.39	60.7	1.54	39.1	1
6C5E-6RMIX	7235-02885	5/16	7.9	5/8-18	1/2	5/8	2.71	68.8	1.86	47.2	1
8C5E-8RMIX	7235-02895	13/32	10.3	3/4-16	11/16	3/4	3.24	82.3	2.24	56.9	1

Male SAE 45° Flare Inverted Swivel - 45° Bent Tube - Steel

DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T	L		C		Std. Pack	
		"	mm					"	mm	"	mm		
STANDARD PACK													
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	1
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	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

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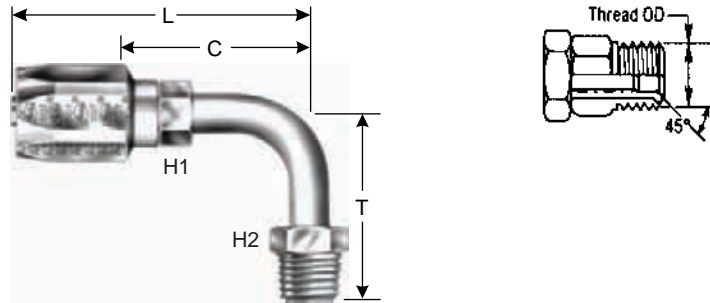
M19



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		Std. Pack
		"	mm		"	"	"	mm	"	mm	"	mm	
STANDARD PACK													
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	1
5C5E-5RMIX90	7235-02815	1/4	6.3	1/2-20	1/2	1/2	1.50	38.1	2.25	57.1	1.46	37.1	1
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	1
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	1
8C5E-8RMIX90	7235-02845	13/32	10.3	3/4-16	11/16	3/4	2.00	50.8	3.24	82.3	2.24	56.9	1

SAE Male Flareless Assembly - Steel

DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
4C5E-4RMFA	7236-04955	3/16	4.8	7/16-20	1/2	9/16	1.68	42.7	.96	24.5	1
5C5E-5RMFA	7236-04965	1/4	6.3	1/2-20	9/16	5/8	1.72	43.7	.92	23.4	1
6C5E-4RMFA	7236-04975	5/16	7.9	7/16-20	9/16	9/16	2.12	53.8	1.01	25.6	1
6C5E-6RMFA	7236-04985	5/16	7.9	9/16-18	5/8	11/16	1.87	47.6	1.03	26.2	1
8C5E-8RMFA	7236-04995	13/32	10.3	3/4-16	13/16	7/8	2.15	54.6	1.15	29.2	1
10C5E-10RMFA	7236-05005	1/2	12.7	7/8-14	15/16	1	2.34	59.6	1.27	32.2	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

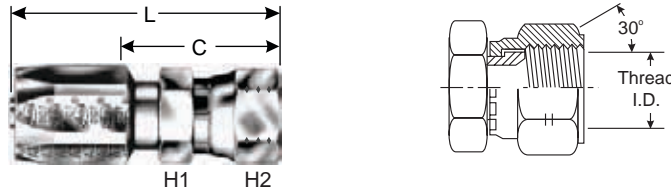



Field Attachable for C5E Hose



Parker Triple Thread Female Swivel - Steel

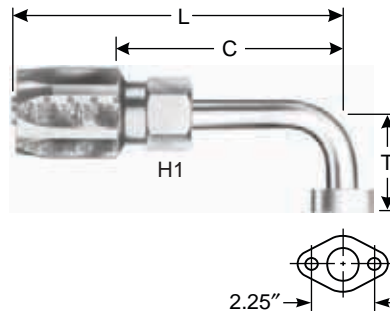
DOT FMVSS Type AI (No mandrel required).



Descr.	Prod. No.	⊖			H1	H2	L		C		Std. Pack
		"	mm		"	"	"	mm	"	mm	
STANDARD PACK											
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	1

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		Std. Pack	
		"	mm	"	"	"	mm	"	mm	"		mm
STANDARD PACK												
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

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

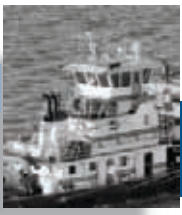
EQUIPMENT AND PARTS



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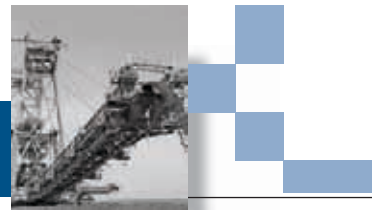
M21



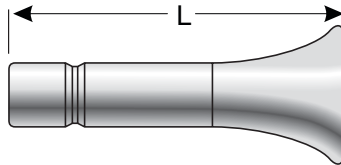
Notes



SureLok™ Air Brake

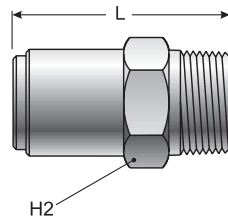



Plug



Descr.	Prod. No.	IO	L		Std. Pack
		"	"	mm	
STANDARD PACK					
2.5AB-PLUG	7208-10045	5/32	1.04	26.5	5
4AB-PLUG	7208-10015	1/4	1.12	28.5	5
6AB-PLUG	7208-10025	3/8	1.34	34.0	5
8AB-PLUG	7208-10035	1/2	1.48	37.5	5

Air Brake to Male Pipe



Descr.	Prod. No.	IO		H1	H2	L		Std. Pack
		"		"	"	mm		
STANDARD PACK								
2.5AB-1MP	7208-10225	5/32	1/8-27	—	11/32	.43	11.0	5
2.5AB-2MP	7208-10235	5/32	1/8-27	—	7/16	.89	22.7	5
2AB-2MP	7208-10055	1/8	1/8-27	—	7/16	.67	16.9	1
3AB-2MP	7208-10065	3/16	1/8-27	—	1/2	1.02	25.8	1
4AB-1MP	7208-10075	1/4	1/8-27	—	7/16	.94	24.0	5
4AB-2MP	7208-10085	1/4	1/8-27	—	1/2	1.04	26.3	5
4AB-4MP	7208-10095	1/4	1/4-18	—	9/16	1.17	29.8	5
4AB-6MP	7208-10105	1/4	3/8-18	—	11/16	1.20	30.5	5
6AB-2MP	7208-10115	3/8	1/8-27	—	11/16	1.32	33.6	5
6AB-4MP	7208-10125	3/8	1/4-18	—	11/16	1.48	37.6	5
6AB-6MP	7208-10135	3/8	3/8-18	—	11/16	1.42	36.1	5
6AB-8MP	7208-10145	3/8	1/2-14	—	7/8	1.46	37.1	5
8AB-4MP	7208-10155	1/2	1/4-18	—	7/8	1.68	42.6	5
8AB-6MP	7208-10165	1/2	3/8-18	—	7/8	1.64	41.6	5
8AB-8MP	7208-10175	1/2	1/2-14	—	7/8	1.72	43.6	5
10AB-6MP	7208-10185	5/8	3/8-18	—	11/16	1.87	47.5	5
10AB-8MP	7208-10195	5/8	1/2-14	—	11/16	2.12	53.5	5
12AB-8MP	7208-10205	3/4	1/2-14	—	13/16	2.11	53.5	1
12AB-12MP	7208-10215	3/4	3/4-14	—	1 1/16	2.21	56.1	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

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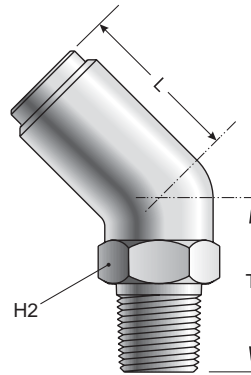
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N1



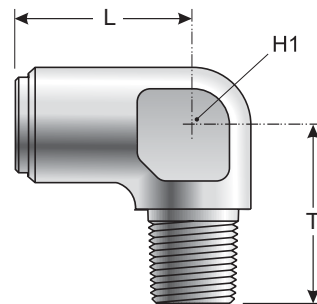
SureLok™ Air Brake

Air Brake to Male Pipe - 45° Bent Tube



Descr.	Prod. No.			H1	H2	T		L		Std. Pack
		"		mm	mm	"	mm	"	mm	
STANDARD PACK										
4AB-2MP45	7208-10245	1/4	1/8-27	—	14.3	.81	20.6	1.68	42.7	5
4AB-4MP45	7208-10255	1/4	1/4-18	—	14.3	.98	24.9	1.87	47.5	5
6AB-2MP45	7208-10265	3/8	1/8-27	—	19.0	.93	23.6	1.95	49.5	1
6AB-4MP45	7208-10275	3/8	1/4-18	—	19.0	1.10	27.9	2.16	54.9	5
6AB-6MP45	7208-10285	3/8	3/8-18	—	19.0	1.12	28.4	2.22	56.4	5
6AB-8MP45	7208-10295	3/8	1/2-14	—	22.0	1.30	33.0	2.44	62.0	5
8AB-4MP45	7208-10305	1/2	1/2-18	—	22.0	1.10	27.9	2.32	58.9	1
8AB-6MP45	7208-10315	1/2	3/8-18	—	22.0	1.12	28.4	2.38	60.5	5
8AB-8MP45	7208-10325	1/2	1/2-14	—	22.0	1.30	33.0	2.60	66.0	5
10AB-6MP45	7208-10335	5/8	3/8-18	—	27.0	1.02	25.9	2.48	63.0	1
10AB-8MP45	7208-10345	5/8	1/2-14	—	27.0	1.22	31.0	2.68	68.1	1
12AB-8MP45	7208-10355	3/4	1/2-14	—	25.4	1.30	33.0	2.82	71.6	1

Air Brake to Male Pipe - 90° Bent Tube





Descr.	Prod. No.			H1	H2	T		L		Std. Pack
		"		mm	mm	"	mm	"	mm	
STANDARD PACK										
2.5AB-2MP90	7208-10545	5/32	1/8-27	7.0	—	.07	17.2	.67	17.0	5
2AB-2MP90	7208-10375	1/8	1/8-27	7.0	—	.66	16.8	.67	17.0	5
3AB-2MP90	7208-10385	3/16	1/8-27	12.0	—	.75	19.0	.81	20.5	5
4AB-2MP90	7208-10395	1/4	1/8-27	14.0	—	.79	20.0	.81	20.5	5
4AB-4MP90	7208-10405	1/4	1/4-18	18.0	—	1.02	26.0	.87	22.0	5
4AB-6MP90	7208-10415	1/4	3/8-18	22.0	—	1.10	28.0	.94	24.0	5
4AB-8MP90	7208-10425	1/4	1/2-14	24.0	—	1.38	35.0	.96	24.5	5

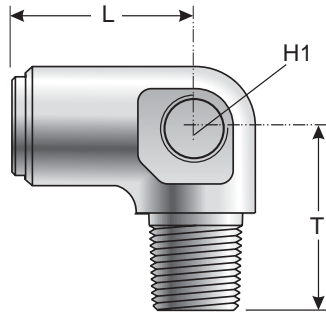






Air Brake to Male Pipe - 90° Bent Tube - Cont'd

Descr.	Prod. No.			H1	H2	T		L		Std. Pack
		"		mm	mm	"	mm	"	mm	
6AB-2MP90	7208-10435	3/8	1/8-27	18.0	—	.87	22.0	1.08	27.5	5
6AB-4MP90	7208-10445	3/8	1/4-18	18.0	—	1.02	26.0	1.06	27.0	5
6AB-6MP90	7208-10455	3/8	3/8-18	22.0	—	1.10	28.0	1.14	29.0	5
6AB-8MP90	7208-10465	3/8	1/2-14	24.0	—	1.38	35.0	1.14	29.0	5
8AB-4MP90	7208-10475	1/2	1/4-18	22.0	—	1.14	29.0	1.22	31.0	5
8AB-6MP90	7208-10485	1/2	3/8-18	22.0	—	1.14	29.0	1.26	32.0	5
8AB-8MP90	7208-10495	1/2	1/2-14	24.0	—	1.38	35.0	1.28	32.5	5
10AB-6MP90	7208-10505	5/8	3/8-18	22.0	—	1.22	31.0	1.44	36.5	1
10AB-8MP90	7208-10515	5/8	1/2-14	30.0	—	1.42	36.0	1.54	39.0	1
12AB-8MP90	7208-10525	3/4	1/2-14	24.0	—	1.48	37.5	1.52	38.5	1
12AB-12MP90	7208-10535	3/4	3/4-14	27.0	—	2.00	50.8	2.15	54.6	1

Air Brake to Male Pipe - 90° Bent Tube with Port



Descr.	Prod. No.			H1	H2	T		L		Std. Pack
		"		mm	mm	"	mm	"	mm	
STANDARD PACK										
6AB-4MP-2PT90	7208-10555	3/8	1/4-18	22.0	—	1.10	28.0	1.20	30.5	1
6AB-6MP-2PT90	7208-10565	3/8	3/8-18	22.0	—	1.10	28.0	1.12	28.5	1
8AB-6MP-2PT90	7208-10575	1/2	3/8-18	22.0	—	1.14	29.0	1.26	32.0	1
8AB-8MP-4PT90	7208-10585	1/2	1/2-14	24.0	—	1.38	35.0	1.28	32.5	1
12AB-12MP-4PT90	7208-10595	3/4	3/4-14	24.0	—	1.48	37.5	1.52	38.5	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

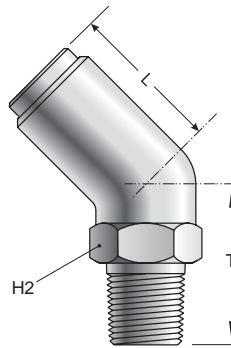
EQUIPMENT AND PARTS





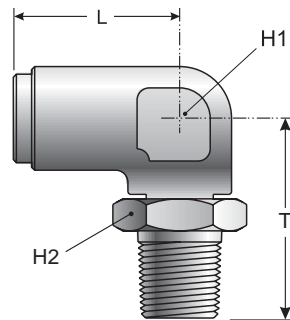
SureLok™ Air Brake

Air Brake to Male Pipe Swivel - 45° Bent Tube



Descr.	Prod. No.			H1	H2	T		L		Std. Pack
		"	"	"	"	"	mm	"	mm	
STANDARD PACK										
4AB-4MPX45	7208-10615	1/4	1/4-18	—	9/16	1.11	282.0	.77	19.6	5
6AB-2MPX45	7208-10625	3/8	1/8-27	—	9/16	1.05	26.7	1.05	26.7	5
6AB-4MPX45	7208-10635	3/8	1/4-18	—	11/16	1.26	32.0	1.05	26.7	5
6AB-6MPX45	7208-10645	3/8	3/8-18	—	3/4	1.26	32.0	1.05	26.7	5
8AB-8MPX45	7208-10675	1/2	1/2-14	—	7/8	1.62	41.1	1.25	31.8	5
10AB-8MPX45	7208-10685	5/8	1/2-14	—	7/8	1.42	36.0	1.51	38.6	1

Air Brake to Male Pipe Swivel - 90° Bent Tube

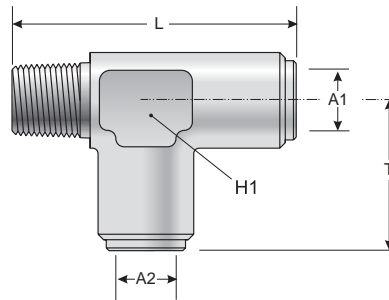


Descr.	Prod. No.			H1	H2	T		L		Std. Pack
		"	"	mm	mm	"	mm	"	mm	
STANDARD PACK										
2.5AB-2MPX90	7208-10835	5/32	1/8-27	7.0	11.0	.91	23.2	.83	21.2	1
4AB-2MPX90	7208-10695	1/4	1/8-27	14.0	11.0	.91	23.2	.83	21.2	5
4AB-4MPX90	7208-10705	1/4	1/4-18	18.0	14.0	1.12	28.4	.83	21.2	5
4AB-6MPX90	7208-10715	1/4	3/8-18	22.0	19.0	1.25	31.7	.85	21.5	5
6AB-2MPX90	7208-10725	3/8	1/8-27	18.0	14.0	1.05	26.7	1.07	27.3	5
6AB-4MPX90	7208-10735	3/8	1/4-18	18.0	19.0	1.29	32.7	1.07	27.3	5
6AB-6MPX90	7208-10745	3/8	3/8-18	22.0	19.0	1.24	31.6	1.07	27.3	5
6AB-8MPX90	7208-10755	3/8	1/2-14	24.0	22.0	1.44	36.8	1.07	27.3	5
8AB-4MPX90	7208-10765	1/2	1/4-18	22.0	22.0	1.27	32.2	1.27	32.3	5
8AB-6MPX90	7208-10775	1/2	3/8-18	22.0	22.0	1.42	36.1	1.27	32.3	5
8AB-8MPX90	7208-10785	1/2	1/2-14	24.0	22.0	1.62	41.1	1.27	32.3	5
10AB-8MPX90	7208-10805	5/8	1/2-14	30.0	22.0	1.48	37.6	1.54	39.1	1
12AB-8MPX90	7208-10815	3/4	1/2-14	24.0	22.0	1.53	38.9	1.55	39.4	1



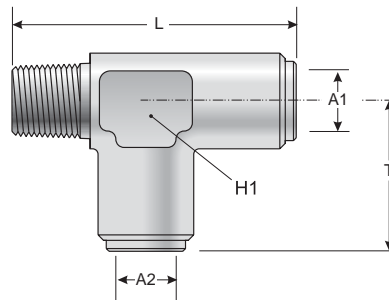


Male Pipe to Air Brake Tee



Descr.	Prod. No.	Ø		W	H1	H2	T		L		Std. Pack
		A1	A2				"	mm	"	mm	
STANDARD PACK											
2MP-4AB-4AB	7208-10845	1/4	1/4	1/8-27	14.0	—	.89	22.5	1.67	42.5	5
4MP-4AB-4AB	7208-10855	1/4	1/4	1/4-18	18.0	—	.89	22.5	1.85	47.0	5
4MP-6AB-6AB	7208-10865	1/4	3/8	1/4-18	18.0	—	1.08	27.5	2.05	52.0	5
6MP-4AB-4AB	7208-10875	1/4	1/4	3/8-18	22.0	—	.93	23.5	2.03	51.5	5
6MP-6AB-6AB	7208-10885	3/8	3/8	3/8-18	22.0	—	1.14	29.0	2.24	57.0	5
6MP-8AB-8AB	7208-10895	1/2	1/2	3/8-18	22.0	—	1.30	33.0	2.44	62.0	5
8MP-6AB-6AB	7208-10905	3/8	3/8	1/2-14	24.0	—	1.22	31.0	2.64	67.0	5

Male Pipe to Air Brake Tee - Jump Up



Descr.	Prod. No.	Ø		W	H1	H2	T		L		Std. Pack
		A1	A2				"	mm	"	mm	
STANDARD PACK											
4MP-4AB-6AB	7208-10925	1/4	3/8	1/4-18	18.0	—	1.08	27.5	1.85	47.0	5
6MP-4AB-6AB	7208-10935	1/4	3/8	3/8-18	22.0	—	1.14	29.0	2.03	51.5	5
6MP-6AB-8AB	7208-10945	3/8	1/2	1/8-18	22.0	—	1.30	33.0	2.36	60.0	5

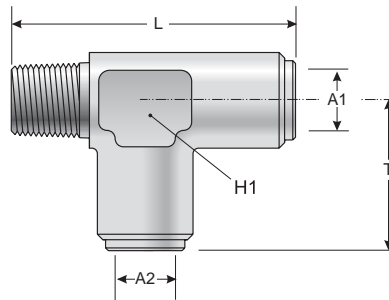
- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS**
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



SureLok™ Air Brake

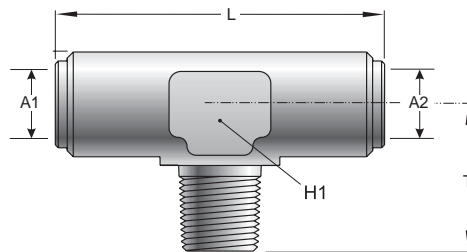


Male Pipe to Air Brake Tee - Jump Down



Descr.	Prod. No.	Ø		W	H1	H2	T		L		Std. Pack	
		A1	A2		mm	mm	"	mm	"	mm		
STANDARD PACK												
4MP-6AB-4AB	7208-10955	3/8	1/4	1/4-18	18.0	—	.93	23.5	2.05	52.0	5	
6MP-6AB-4AB	7208-10965	3/8	1/4	3/8-18	22.0	—	.93	23.5	2.24	57.0	5	
6MP-8AB-6AB	7208-10975	1/2	3/8	3/8-18	22.0	—	1.22	31.0	2.44	62.0	5	

Air Brake to Male Pipe Tee

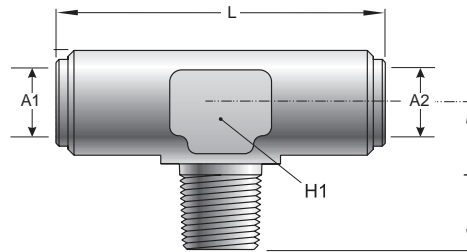


Descr.	Prod. No.	Ø		W	H1	H2	T		L		Std. Pack	
		A1	A2		mm	mm	"	mm	"	mm		
STANDARD PACK												
4AB-4AB-2MP	7208-10985	1/4	1/4	1/8-27	14.0	—	.79	20.0	1.69	43.0	5	
4AB-4AB-4MP	7208-10995	1/4	1/4	1/4-18	18.0	—	.96	24.5	1.77	45.0	5	
4AB-4AB-6MP	7208-11005	1/4	1/4	3/8-18	22.0	—	1.10	28.0	1.93	49.0	5	
6AB-6AB-4MP	7208-11015	3/8	3/8	1/4-18	18.0	—	.96	24.5	2.17	55.0	5	
6AB-6AB-6MP	7208-11025	3/8	3/8	3/8-18	22.0	—	1.10	28.0	2.28	58.0	5	
8AB-8AB-4MP	7208-11035	1/2	1/2	1/4-18	22.0	—	1.14	29.0	2.44	62.0	5	
8AB-8AB-6MP	7208-11045	1/2	1/2	3/8-18	22.0	—	1.14	29.0	2.60	66.0	5	
8AB-8AB-6MP	7250-01495	1/2	1/2	3/8-18	22.0	—	1.14	29.0	2.60	66.0	1	
8AB-8AB-8MP	7208-11055	1/2	1/2	1/2-14	24.0	—	1.42	36.0	2.68	68.0	5	



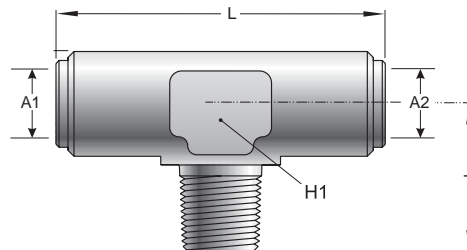


Air Brake to Male Pipe Tee - Jump Up



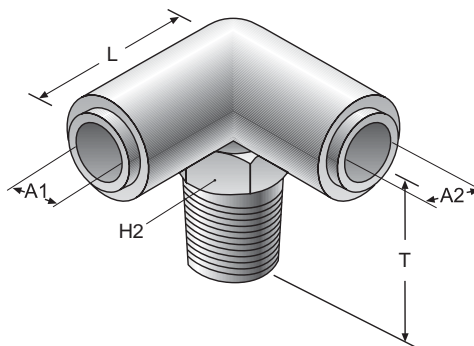
Descr.	Prod. No.	Ø		W	H1	H2	T		L		Std. Pack
		A1	A2		mm	mm	"	mm	"	mm	
STANDARD PACK											
6AB-4AB-4MP	7208-11065	3/8	1/4	1/4-18	18.0	—	.96	24.5	1.97	50.0	5
8AB-6AB-8MP	7208-11075	1/2	3/8	1/2-14	22.0	—	1.22	31.0	2.48	63.0	5

Air Brake to Male Pipe Tee - Jump Down



Descr.	Prod. No.	Ø		W	H1	H2	T		L		Std. Pack
		A1	A2		mm	mm	"	mm	"	mm	
STANDARD PACK											
10AB-8AB-8MP	7208-11085	5/8	1/2	1/2-14	30.0	—	1.46	37.0	2.78	70.5	5

Air Brake to Male Pipe Tee - 90° Bent Tube



Descr.	Prod. No.	Ø		W	H1	H2	T		L		Std. Pack
		A1	A2		mm	mm	"	mm	"	mm	
STANDARD PACK											
6AB-6AB-6MP90	7208-11095	3/8	3/8	3/8-18	—	22.0	1.34	34.0	1.18	30.0	5

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





SureLok™ Air Brake

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

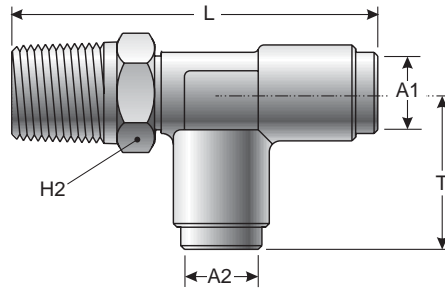
ACCESSORIES

EQUIPMENT AND PARTS

Air Brake to Male Pipe Tee - 90° Bent Tube - Cont'd

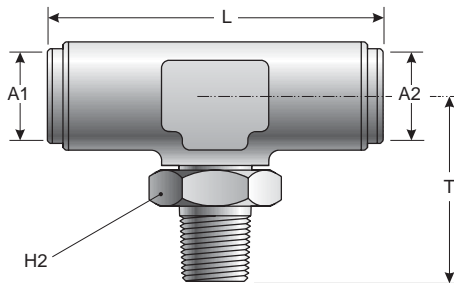
Descr.	Prod. No.	Ø		W	H1	H2	T		L		Std. Pack
		A1	A2		mm	mm	"	mm	"	mm	
8AB-8AB-6MP90	7208-11105	1/2	1/2	3/8-18	—	20.0	1.34	34.0	1.30	33.0	5

Male Pipe Swivel to Air Brake Tee



Descr.	Prod. No.	Ø		W	H1	H2	T		L		Std. Pack
		A1	A2		mm	mm	"	mm	"	mm	
STANDARD PACK											
2MPX-4AB-4AB	7208-11115	1/4	1/4	1/8-27	—	11.0	.83	21.2	1.75	44.4	5
4MPX-4AB-4AB	7208-11125	1/4	1/4	1/4-18	—	14.0	.83	21.2	1.95	49.6	5
4MPX-6AB-6AB	7208-11135	3/8	3/8	1/4-18	—	19.0	1.07	27.3	2.36	60.0	5
6MPX-6AB-6AB	7208-11145	3/8	3/8	3/8-18	—	19.0	1.07	27.3	2.32	58.9	5
6MPX-8AB-8AB	7208-11155	1/2	1/2	3/8-18	—	22.0	1.27	32.3	2.69	68.4	5
8MPX-8AB-8AB	7208-11165	1/2	1/2	1/2-14	—	22.0	1.27	32.3	2.89	73.4	5

Air Brake to Male Pipe Swivel Tee

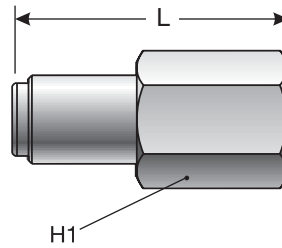


Descr.	Prod. No.	Ø		W	H1	H2	T		L		Std. Pack
		A1	A2		mm	mm	"	mm	"	mm	
STANDARD PACK											
3AB-3AB-2MPX	7208-11175	3/16	3/16	1/8-27	—	11.0	.89	22.6	1.57	39.9	5
4AB-4AB-2MPX	7208-11185	1/4	1/4	1/8-27	—	11.0	.91	23.2	1.67	42.4	5
4AB-4AB-4MPX	7208-11195	1/4	1/4	1/4-18	—	14.0	1.12	28.4	1.67	42.4	5
6AB-6AB-2MPX	7208-11205	3/8	3/8	1/8-27	—	14.0	1.09	27.7	1.92	48.8	5
6AB-6AB-4MPX	7208-11215	3/8	3/8	1/4-18	—	19.0	1.29	32.7	2.17	55.0	5
6AB-6AB-6MPX	7208-11225	3/8	3/8	3/8-18	—	19.0	1.24	31.6	2.17	55.0	5
8AB-8AB-4MPX	7208-11235	1/2	1/2	1/4-18	—	22.0	1.39	35.2	2.56	65.0	5
8AB-8AB-6MPX	7208-11245	1/2	1/2	3/8-18	—	22.0	1.42	36.1	2.56	65.0	5
8AB-8AB-8MPX	7208-11255	1/2	1/2	1/2-14	—	22.0	1.62	41.1	2.56	65.0	5



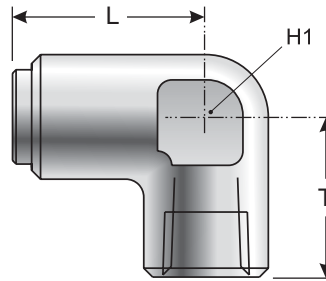


Air Brake to Female Pipe



Descr.	Prod. No.			H1	H2	L		Std. Pack
		"		"	"	"	mm	
STANDARD PACK								
2.5AB-2FP	7208-11325	5/32	1/8-27	—	9/16	1.18	30.0	5
4AB-2FP	7208-11265	1/4	1/8-27	—	9/16	1.31	33.3	5
4AB-4FP	7208-11275	1/4	1/4-18	—	11/16	1.59	40.3	5
6AB-4FP	7208-11285	3/8	1/4-18	—	11/16	1.74	44.3	5
6AB-6FP	7208-11295	3/8	3/8-18	—	7/8	1.78	45.3	5
8AB-8FP	7208-11315	1/2	1/2-14	—	11/16	2.11	53.5	5

Air Brake to Female Pipe - 90° Bent Tube



Descr.	Prod. No.			H1	H2	T		L		Std. Pack
		"		mm	mm	"	mm	"	mm	
STANDARD PACK										
3AB-2FP90	7208-11335	3/16	1/8-27	14.0	—	.71	18.0	.87	22.0	5
4AB-2FP90	7208-11345	1/4	1/8-27	14.0	—	.71	18.0	.94	24.0	1
4AB-4FP90	7208-11355	1/4	1/4-18	18.0	—	.79	20.0	1.08	27.5	1
4AB-6FP90	7208-11365	1/4	3/8-18	18.0	—	.79	20.0	1.08	27.5	1
6AB-2FP90	7208-11375	3/8	1/8-27	13.0	—	.79	20.0	1.31	33.3	1
6AB-6FP90	7208-11385	3/8	3/8-18	22.0	—	.79	20.0	1.31	33.3	1
8AB-8FP90	7208-11395	1/2	1/2-14	16.0	—	.94	24.0	1.16	29.5	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

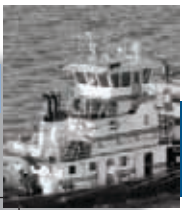
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

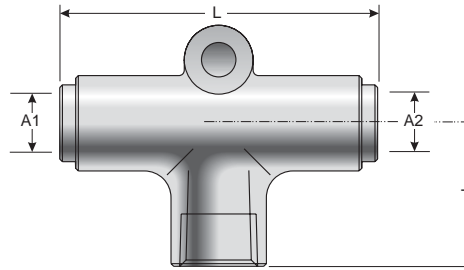




SureLok™ Air Brake

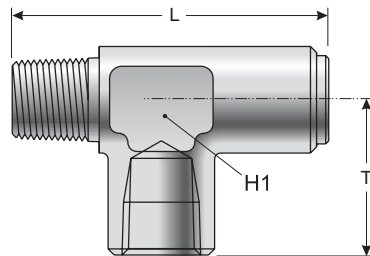
EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
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FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Air Brake to Female Pipe Tee with Bracket



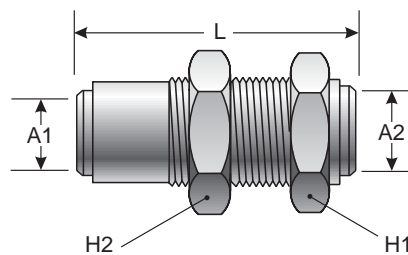
Descr.	Prod. No.	Ø		Spring	T		L		Std. Pack	
		A1	A2		"	mm	"	mm		
STANDARD PACK										
6AB-6AB-4FP	7208-11405	3/8	3/8	1/4-18	1.06	27.0	2.34	59.4	1	

Male Pipe to Air Brake to Female Pipe Tee



Descr.	Prod. No.	Ø		Spring	H1	T		L		Std. Pack
		"	"			"	mm	"	mm	
STANDARD PACK										
4MP-6AB-4FP	7208-11415	1/4	1/4-18	1/4-18	18	.96	24.4	2.05	52.0	1
4MP-8AB-4FP	7208-11435	1/2	1/4-18	1/4-18	22	1.14	29.0	1.97	50.0	1
6MP-8AB-4FP	7208-11445	1/2	3/8-18	1/4-18	22	1.14	29.0	2.05	52.1	1
8MP-8AB-2FP	7208-11425	1/2	1/2-14	1/8-27	24	.96	24.4	2.40	61.0	1

Air Brake Bulkhead




Descr.	Prod. No.	Ø		Spring	H1	H2	L		Std. Pack	
		A1	A2				"	mm		
STANDARD PACK										
4AB-4AB-BKHD	7208-11455	1/4	1/4	1/4-18	15/16	15/16	1.41	35.9	5	

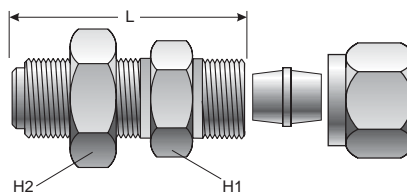





Air Brake Bulkhead - Cont'd

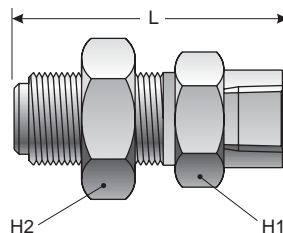
Descr.	Prod. No.	Ø			H1	H2	L		Std. Pack
		A1	A2		"	"	"	mm	
6AB-6AB-BKHD	7208-11465	3/8	3/8	3/8-18	1 1/8	1 1/8	1.75	44.5	5
8AB-6AB-BKHD	7208-11475	1/2	3/8	3/8-18	1 1/8	1 1/8	1.89	48.0	5
8AB-8AB-BKHD	7208-11485	1/2	1/2	1/2-14	1 5/16	1 5/16	2.02	51.4	5
10AB-10AB-BKHD	7208-11495	5/8	5/8	1/2-14	1 1/2	1 1/2	2.34	59.5	5


Air Brake to Male Flareless Assembly Bulkhead



Descr.	Prod. No.	Ø		H1	H2	L		Std. Pack
		"		"	"	mm		
STANDARD PACK								
4AB-4MFA-BKHD	7208-11505	1/4	1/4	11/16	15/16	.50	12.7	5
6AB-6MFA-BKHD	7208-11515	3/8	3/8	7/8	7/8	.68	17.3	5

Air Brake to Female Pipe Bulkhead



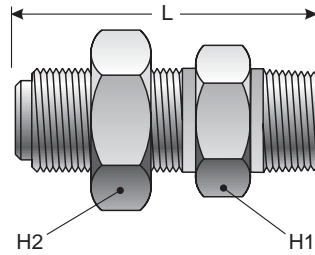
Descr.	Prod. No.	Ø		H1	H2	L		Std. Pack
		"		mm	"	"	mm	
STANDARD PACK								
4AB-2FP-BKHD	7208-11525	1/4	1/8-27	22.0	15/16	1.32	33.5	5
4AB-4FP-BKHD	7208-11535	1/4	1/4-18	22.0	15/16	1.59	40.5	5
6AB-4FP-BKHD	7208-11545	3/8	1/4-18	24.0	1 1/8	2.20	56.0	5
6AB-6FP-BKHD	7208-11555	3/8	3/8-18	27.0	1 1/8	2.20	56.0	5
6AB-8FP-BKHD	7208-11565	3/8	3/8-14	27.0	1 1/8	2.20	56.0	5
8AB-6FP-BKHD	7208-11575	1/2	3/8-18	27.0	1 5/16	1.89	48.0	5
8AB-8FP-BKHD	7208-11585	1/2	1/2-14	27.0	1 5/16	2.64	67.0	5

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



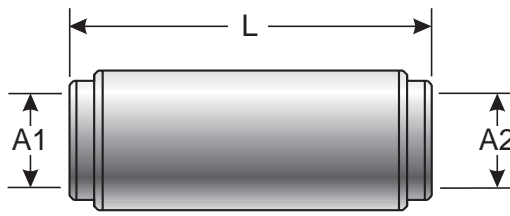
SureLok™ Air Brake

Air Brake to Gladhand Bulkhead



Descr.	Prod. No.	Ø		H1	H2	L		Std. Pack
		"				"	mm	
STANDARD PACK								
8AB-8GH-BKHD	7208-11595	1/2	1/12	1 1/16	1 5/16	2.64	67.0	1

Air Brake Union



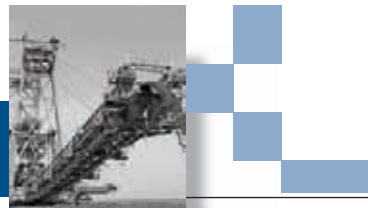
Descr.	Prod. No.	Ø		L		Std. Pack
		A1	A2	"	mm	
STANDARD PACK						
2.5AB-2.5AB	7208-11695	5/32	5/32	1.18	30.0	5
2AB-2AB	7208-11605	1/8	1/8	1.15	29.3	5
3AB-3AB	7208-11615	3/16	3/16	1.36	34.6	5
4AB-4AB	7208-11625	1/4	1/4	1.40	35.6	5
6AB-4AB	7208-11635	3/8	1/7	1.71	43.5	5
6AB-6AB	7208-11645	3/8	3/8	1.74	44.1	5
8AB-6AB	7208-11655	1/2	3/8	1.91	48.5	5
8AB-8AB	7208-11665	1/2	1/2	2.01	51.1	5
10AB-10AB	7208-11675	5/8	5/8	2.42	61.5	5
12AB-12AB	7208-11685	3/4	3/4	2.48	63.0	1

EQUIPMENT

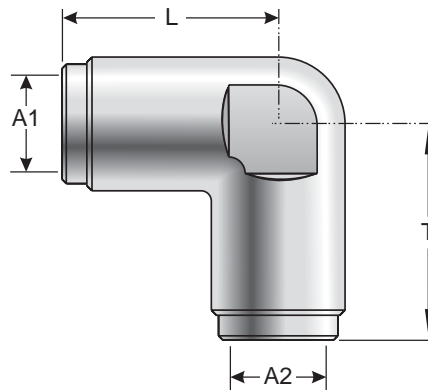
HOSE/CPLG.
SELECTIONGLOBALSPIRAL
COUPLINGSPCM/PCS
FERRULESMEGACRIMP
COUPLINGSPOWER
CRIMP
COUPLINGSLOW
PRESSURE
COUPLINGSPOLARSEAL
COUPLINGSC14
COUPLINGSPCTS
THERMO-
PLASTIC
COUPLINGSFIELD
ATTACHABLE
G1 & G2
COUPLINGSFIELD
ATTACHABLE
C5
COUPLINGSSURELOK AIR
BRAKE
COUPLINGSQUICK
DISCONNECT
COUPLERSNEW BALL
VALVES

ACCESSORIES

EQUIPMENT
AND PARTS

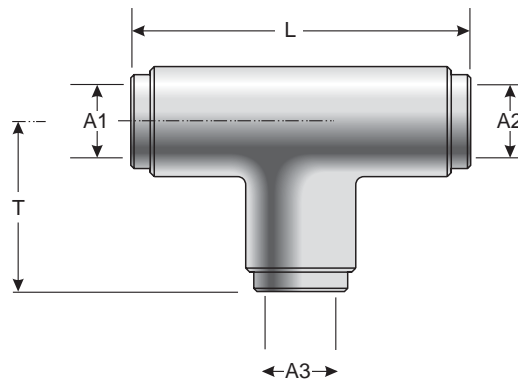


Air Brake Union - 90° Bent Tube



Descr.	Prod. No.	Ø			T		L		Std. Pack
		A1	A2	"	mm	"	mm		
STANDARD PACK									
4AB-4AB90	7208-11705	1/4	1/4	.83	21.0	.83	21.0	5	
6AB-6AB90	7208-11715	3/8	3/8	1.07	27.1	1.07	27.1	5	
8AB-8AB90	7208-11725	1/2	1/2	1.26	32.1	1.26	32.1	5	
10AB-10AB90	7208-11735	5/8	5/8	1.48	37.5	1.61	41.0	5	

Air Brake Union Tee



Descr.	Prod. No.	Ø			T		L		Std. Pack
		A1	A2	A3	"	mm	"	mm	
STANDARD PACK									
2AB-2AB-2AB	7208-11745	1/8	1/8	1/8	.63	15.9	1.26	32.0	5
3AB-3AB-3AB	7208-11755	3/16	3/16	3/16	.72	19.6	1.44	34.0	5
4AB-4AB-4AB	7208-11765	1/4	1/4	1/4	.93	21.0	1.65	42.0	5
6AB-6AB-6AB	7208-11775	3/8	3/8	3/8	1.07	27.1	2.13	54.2	5
8AB-8AB-8AB	7208-11785	1/2	1/2	1/2	1.26	32.1	2.53	64.2	5
10AB-10AB-10AB	7208-11795	5/8	5/8	5/8	1.54	39.0	3.07	78.0	5
12AB-12AB-12AB	7250-15225	3/4	3/4	3/4	1.56	39.5	3.12	79.0	1

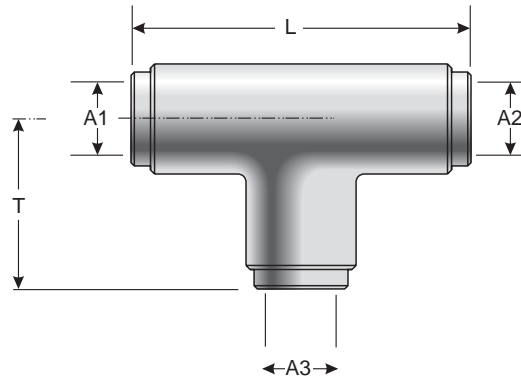
- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS**
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS





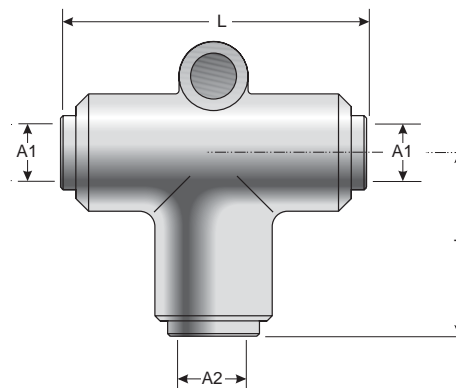
SureLok™ Air Brake

Air Brake Union Tee - Jump Up



Descr.	Prod. No.	Ø			T		L		Std. Pack
		A1	A2	A3	"	mm	"	mm	
STANDARD PACK									
6AB-4AB-4AB	7208-11875	3/8	1/4	1/4	.93	23.5	2.01	51.0	5
6AB-6AB-4AB	7208-11825	3/8	3/8	1/4	.93	23.5	2.17	55.0	5
6AB-6AB-8AB	7208-11835	3/8	3/8	1/2	1.28	32.5	2.36	60.0	5
8AB-6AB-6AB	7208-11885	1/2	3/8	3/8	1.18	30.0	2.46	62.5	5
8AB-8AB-4AB	7208-11845	1/2	1/2	1/4	.98	25.0	2.52	64.0	5
8AB-8AB-6AB	7208-11855	1/2	1/2	3/8	1.22	31.0	2.44	62.0	5
10AB-8AB-10AB	7208-11865	5/8	1/2	5/8	1.56	39.5	3.01	76.5	1

Air Brake Union Tee with Mounting Hole Bracket

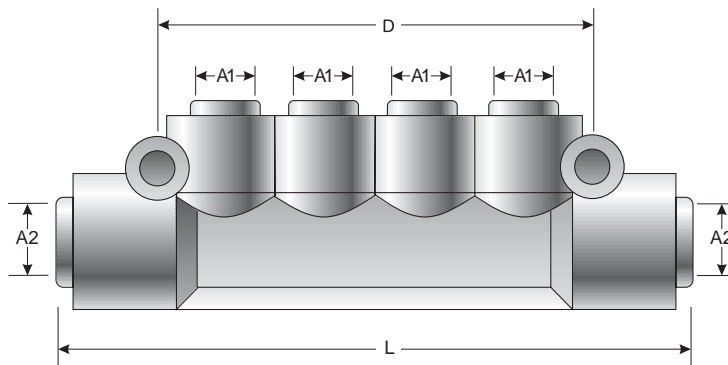


Descr.	Prod. No.	Ø		T		L		Std. Pack
		A1	A2	"	mm	"	mm	
STANDARD PACK								
6AB-6AB-8AB-MH	7208-11895	3/8	1/2	1.42	36.0	2.36	60.0	5





6-Port Manifold



Descr.	Prod. No.	Ø		D		L		Std. Pack
		A1	A2	"	mm	"	mm	
STANDARD PACK								
6AB-4MAN	7208-11905	1/4	3/8	2.76	70.1	4.10	104.1	1

Coiled Nylon Air Brake Assemblies



Descr.	Prod. No.	⊖	⊕	Std. Pack
		"	"	
STANDARD PACK				
8CABHX12	7208-00015	1/2	150	1
8CABHX15	7208-00025	1/2	150	1

- EQUIPMENT
- HOSE/CPLG. SELECTION
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- POWER CRIMP COUPLINGS
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- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS**
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS





Notes








G940 Series (Agriculture Standard-Ball Valve)




Male Ball Valve to Female Pipe



Descr.	Prod. No.				Std. Pack
4MQBA-4FP	7252-89315	1/4-18	4000	12000	1
6MQBA-6FP	7252-89345	3/8-18	3000	9000	1
8MQBA-8FP	7252-89325	1/2-14	3000	10500	1
8MQBA-12FP	7252-89305	1/2-14	3000	10500	1
12MQBA-12FP	7252-89685	3/4-14	4000	11000	1




Male Ball Valve to Female O-Ring Boss



Descr.	Prod. No.				Std. Pack
8MQBA-8FB	7252-89335	3/4-16	3000	10500	1

Female Ball Valve To Female Pipe



Descr.	Prod. No.				Std. Pack
4FQBA-4FP	7252-89415	1/4-18	4000	12000	1
6FQBADA-6FP	7252-89695	3/8-18	3000	9000	1
8FQBA-8FP	7252-89425	1/2-14	3000	10500	1
8FQBADA-8FP	7252-89445	1/2-14	3000	10500	1
8FQBADA-12FP	7252-89705	1/2-14	3000	10500	1
12FQBA-12FP	7252-89715	3/4-14	4000	11000	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

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FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW 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.				Std. Pack
8FQBA-8FB	7252-89435	3/4-16	3000	10500	1

O-Ring



Descr.	Prod. No.	Std. Pack
4QDAOR	7252-59415	5
6QDAOR	7252-59695	5
8QDAOR	7252-59425	5
12QDAOR	7252-59715	5

G940 and G941 Series (Agricultural)

QD Plug/Cap Combination



Descr.	Prod. No.	Std. Pack
4QDADP/C	7252-87685	1
6QDADP/C	7252-87695	1
8QDADP/C	7252-87705	1

EQUIPMENT
HOSE/CPLG. SELECTION
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SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
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EQUIPMENT AND PARTS








G941 Series (Agriculture Standard-Poppet Valve)




Male Poppet Valve to Female Pipe



Descr.	Prod. No.				Std. Pack
4MQPA-4FP	7252-89725	1/4-18	3000	12000	1
6MQPA-6FP	7252-89735	3/8-18	3000	12000	1
8MQPA-8FP	7252-89365	1/2-14	4000	16000	1
16MQPA-16FP	7252-89745	1-11 1/2	3000	12000	1

Female Poppet Valve to Female Pipe





Descr.	Prod. No.				Std. Pack
4FQPA-4FP	7252-89755	1/4-18	3000	12000	1
6FQPA-6FP	7252-89765	3/8-18	3000	12000	1
8FQPA-8FP	7252-89775	1/2-14	4000	16000	1
16FQPA-16FP	7252-89785	1-11 1/2	3000	12000	1

G942 Series (John Deere Old Style)

Male Ball Valve to Female Pipe



Descr.	Prod. No.			Std. Pack
8MQBAJD-8FP	7252-89355	1/2-14	3000	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





Quick Disconnect Couplers

G942 Series (John Deere Old Style) - Cont'd

Male Ball Valve to Female O-Ring Boss



Descr.	Prod. No.			Std. Pack
8MQBAJD-8FB	7252-89375	3/4-16	3000	1

Female Ball Valve to Female Pipe



Descr.	Prod. No.			Std. Pack
8FQBAJD-8FP	7252-89455	1/2-14	3000	1

G943 Series (International Harvester Old Style)

Male Tip - Ball Valve to Female Pipe



Descr.	Prod. No.			Std. Pack
8MQBAIHC-8FP	7252-89385	1/2-14	2500	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS







G944 Series (J.I. Case Old Style)

Male Tip - Ball Valve to Female Pipe






Descr.	Prod. No.			Std. Pack
8MQBAJIC-8FP	7252-89395	1/2-14	3000	1

G945 Series (Industrial ISO 7241-1 - Series B)




Male Poppet Valve to Female Pipe



Descr.	Prod. No.				Std. Pack
4MQPI-4FP	7252-89015	1/4-18	7500	30000	1
6MQPI-6FP	7252-89025	3/8-18	5000	20000	1
8MQPI-8FP	7252-89035	1/2-14	5000	20000	1
12MQPI-12FP	7252-89045	3/4-14	4000	16000	1
16MQPI-16FP	7252-89055	1-11 1/2	4000	16000	1

Female Poppet Valve to Female Pipe



Descr.	Prod. No.				Std. Pack
4FQPI-4FP	7252-89115	1/4-18	7500	30000	1
6FQPI-6FP	7252-89125	3/8-18	5000	20000	1
8FQPI-8FP	7252-89135	1/2-14	5000	20000	1
12FQPI-12FP	7252-89145	3/4-14	4000	16000	1
16FQPI-16FP	7252-89155	1-11 1/2	4000	16000	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

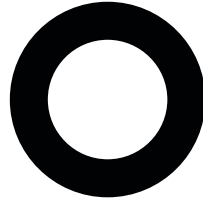
EQUIPMENT AND PARTS



Quick Disconnect Couplers

G945 Series (Industrial ISO 7241-1 - Series B) - Cont'd

Backup Ring



Descr.	Prod. No.	Std. Pack
4QDIBR	7252-49115	5
6QDIBR	7252-49125	5
8QDIBR	7252-49135	5
12QDIBR	7252-49145	5
16QDIBR	7252-49155	5

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.	Std. Pack
4QDIOR	7252-59115	5
6QDIOR	7252-59125	5
8QDIOR	7252-59135	5
12QDIOR	7252-59145	5
16QDIOR	7252-59155	5

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

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FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





G945 Series (Industrial ISO 7241-1 - Series B) - Cont'd

QD Plug/Cap Combination






Descr.	Prod. No.	Std. Pack
4QDIDP/C	7252-87005	1
6QDIDP/C	7252-87595	1
8QDIDP/C	7252-87605	1
12QDIDP/C	7252-87615	1
16QDIDP/C	7252-87625	1

G949 Series (Flush Face - HTMA)

Male Flush Face Valve to Female O-Ring Boss



Descr.	Prod. No.				Std. Pack
4MQFF-4FB	7252-87055	7/16-20	3000	12000	1
6MQFF-8FB	7252-88025	3/4-16	3000	12000	1
8CPMQFF-8FB*	7252-87445	3/4-16	3000	12000	1
8CPMQFF-10FB*	7252-87455	7/8-14	3000	12000	1
8CPMQFF-12FB*	7252-87465	7/8-14	3000	12000	1
8MQFF-8FB	7252-87065	3/4-16	3000	12000	1
8MQFF-12FB	7252-87075	1 1/16-12	3000	12000	1
10MQFF-12FB	7252-87085	1 1/16-12	3000	12000	1
12MQFF-12FB	7252-87095	1 1/16-12	3000	12000	1
16MQFF-16FB	7252-87105	1 5/16-12	3000	12000	1

* Connect-under-pressure coupler.

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





Quick Disconnect Couplers

G949 Series (Flush Face - HTMA) - Cont'd

Male Flush Face Valve to Female Pipe



Descr.	Prod. No.				Std. Pack
4MQFF-4FP	7252-87015	1/4-18	3000	12000	1
6MQFF-6FP	7252-88005	3/8-18	3000	12000	1
6MQFF-8FP	7252-88015	3/8-14	3000	12000	1
8CPMQFF-8FP*	7252-87435	1/2-14	3000	12000	1
8MQFF-8FP	7252-87025	1/2-14	3000	12000	1
12MQFF-12FP	7252-87035	3/4-14	3000	12000	1
16MQFF-16FP	7252-87045	1-11 1/2	3000	12000	1

* Connect-under-pressure coupler.

Female Flush Face Valve to Female O-Ring Boss



Descr.	Prod. No.				Std. Pack
4FQFF-4FB	7252-87195	7/16-20	3000	12000	1
6FQFF-8FB	7252-88055	3/4-16	3000	12000	1
8CPFQFF-8FB*	7252-87485	3/4-16	3000	12000	1
8CPFQFF-10FB*	7252-87495	7/8-14	3000	12000	1
8CPFQFF-12FB*	7252-87505	1 1/6-12	3000	12000	1
8FQFF-8FB	7252-87205	3/4-16	3000	12000	1
8FQFF-12FB	7252-87215	1 1/6-12	3000	12000	1
10FQFF-12FB	7252-87225	1 1/6-12	3000	12000	1
12FQFF-12FB	7252-87235	1 1/6-12	3000	12000	1
16FQFF-16FB	7252-87245	1 5/16-12	3000	12000	1

* Connect-under-pressure coupler.

Male Flush Face Valve to Female British Pipe Parallel



Descr.	Prod. No.				Std. Pack
4MQFF-4FBPP	7252-87115	1/4-19	4568	18270	1
8MQFF-8FBPP	7252-87125	1/2-14	3625	14500	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS






Quick Disconnect Couplers






G949 Series (Flush Face - HTMA) - Cont'd

Male Flush Face Valve to Female British Pipe Parallel - Cont'd

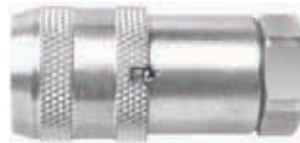
Descr.	Prod. No.				Std. Pack
12MQFF-12FBPP	7252-87135	3/4-14	3625	14500	1
16MQFF-16FBPP	7252-87145	1-11	2900	11600	1




Male Flush Face Valve to JIC 37° Flare Bulkhead



Descr.	Prod. No.				Std. Pack
8MQFF-10BKHD	7252-87395	7/8-14	3625	14500	1
10MQFF-12BKHD	7252-87405	1 1/16-12	3625	14500	1

Female Flush Face Valve to Female Pipe






Descr.	Prod. No.				Std. Pack
4FQFF-4FP	7252-87155	1/4-18	3000	12000	1
6FQFF-6FP	7252-88035	3/8-18	3000	12000	1
6FQFF-8FP	7252-88045	1/2-14	3000	12000	1
8CPFQFF-8FP*	7252-87475	1/2-14	3000	12000	1
8FQFF-8FP	7252-87165	1/2-14	3000	12000	1
12FQFF-12FP	7252-87175	3/4-14	3000	12000	1
16FQFF-16FP	7252-87185	1-11 1/2	3000	12000	1

* Connect-under-pressure coupler.

Female Flush Face to JIC 37° Flare Bulkhead



Descr.	Prod. No.				Std. Pack
8FQFF-10BKHD	7252-87415	7/8-14	3625	14500	1
10FQFF-12BKHD	7252-87425	1 1/16-12	3625	14500	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

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FIELD ATTACHABLE G1 & G2 COUPLINGS

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SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

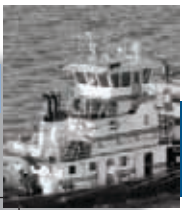
ACCESSORIES

EQUIPMENT AND PARTS



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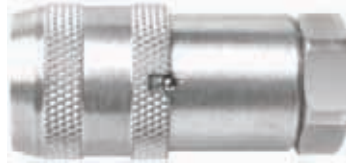
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Quick Disconnect Couplers

G949 Series (Flush Face - HTMA) - Cont'd

Female Flush Face Valve to Female British Pipe Parallel



Descr.	Prod. No.				Std. Pack
4FQFF-4FBPP	7252-87255	1/4-19	4568	18270	1
8FQFF-8FBPP	7252-87265	1/2-14	3625	14500	1
12FQFF-12FBPP	7252-87275	3/4-14	3625	14500	1
16FQFF-16FBPP	7252-87285	1-11	2900	11600	1

Dust Plug



Descr.	Prod. No.	Std. Pack
6QDFFDP	7252-88065	1

Dust Plug/Cap



Descr.	Prod. No.	Std. Pack
4QDFFDP/C	7252-87535	1
6QDFFDP/C	7252-87545	1
8QDFFDP/C	7252-87555	1
10QDFFDP/C	7252-87565	1
12QDFFDP/C	7252-87575	1
16QDFFDP/C	7252-87585	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

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POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

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FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

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G950 Series (Flush Face - High Pressure)

Male Flush Face Valve






Descr.	Prod. No.				Std. Pack
6MQFFH-4FP	7252-88085	3/8-18	10000	20000	1
6MQFFH-6FP	7252-88095	3/8-18	10000	20000	1
8MQFFH-8FP	7252-88145	1/2-14	5000	10000	1
12MQFFH-12FP	7252-88155	3/4-14	5000	10000	1
16MQFFH-16FP	7252-88165	1-11 1/2	5000	10000	1
16MQFFH-16FPA*	7252-88325	1-11 1/2	5000	10000	1

* This coupling features a higher working pressure and flatter face for minimization of fluid loss.

Female Flush Face Valve



Descr.	Prod. No.				Std. Pack
6FQFFH-4FP	7252-88105	3/8-18	10000	20000	1
6FQFFH-6FP	7252-88115	3/8-18	10000	20000	1
8FQFFH-8FP	7252-88175	1/2-14	5000	10000	1
12FQFFH-12FP	7252-88185	3/4-14	5000	10000	1
16FQFFH-16FP	7252-88195	1-11 1/2	5000	10000	1
16FQFFH-16FPA*	7252-88335	1-11 1/2	5000	10000	1

* This coupling features a higher working pressure and flatter face for minimization of fluid loss.

QD Plug/Cap Combination



Descr.	Prod. No.	Std. Pack
6QDFFHDP/C	7252-87715	1
8QDFFHDP/C	7252-87725	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

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FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Quick Disconnect Couplers



G950 Series (Flush Face - High Pressure) - Cont'd




QD Plug/Cap Combination - Cont'd

Descr.	Prod. No.	Std. Pack
12QDFFHDP/C	7252-87735	1
16QDFFHDP/C	7252-87745	1

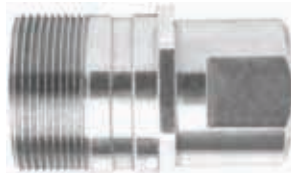
G951 Series (Wing Nut)




Female (Brass) - Wing Nut (Cast Iron)



Descr.	Prod. No.				Std. Pack
12FQW-12FP	7252-88585	3/4-14	3000	9000	1
16FQW-16FP	7252-88595	1-11 1/2	3000	9000	1
20FQW-20FP	7252-88605	1 5/8-12	2750	8250	1
24FQW-24FP	7252-88615	1 7/8-12	2500	7500	1

Male (Brass) - Less Flange



Descr.	Prod. No.				Std. Pack
12MQW-12FP	7252-88525	3/4-14	3000	9000	1
16MQW-16FP	7252-88535	1-11 1/2	3000	9000	1
20MQW-20FP	7252-88545	1 5/8-12	2750	8250	1
24MQW-24FP	7252-88555	1 7/8-12	2500	7500	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

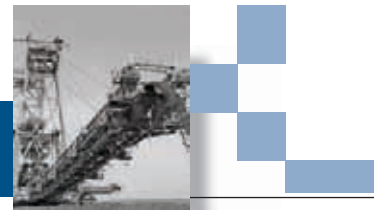
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





G951 Series (Wing Nut) - Cont'd

Dust Cap



Descr.	Prod. No.	Std. Pack
12QWDC	7252-88705	1
16QWDC	7252-88715	1
20QWDC	7252-88725	1
24QWDC	7252-88735	1

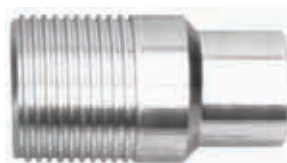
Dust Plug






Descr.	Prod. No.	Std. Pack
12QWDP	7252-88645	1
16QWDP	7252-88655	1
20QWDP	7252-88665	1
24QWDP	7252-88675	1

G952 Series (High Pressure Wing Nut)

Male Acme Flat Threads to Female Pipe



Descr.	Prod. No.				Std. Pack
12MQWH-12FP	7252-88745	3/4-14	5000	20000	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

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Quick Disconnect Couplers




G952 Series (High Pressure Wing Nut) - Cont'd

Male Acme Flat Threads to Female Pipe - Cont'd

Descr.	Prod. No.				Std. Pack
16MQWH-16FP	7252-88755	1-11 1/2	5000	20000	1
20MQWH-20FP	7252-88765	1 1/4-11 1/2	5000	15000	1
24MQWH-24FP	7252-88775	1 1/2-11 1/2	5000	15000	1
32MQWH-32FP	7252-88785	2-11 1/2	5000	15000	1

Female Wing Nut to Female Pipe



Descr.	Prod. No.				Std. Pack
12FQWH-12FP*	7252-88795	3/4-14	5000	20000	1
16FQWH-16FP	7252-88805	1-11 1/2	5000	20000	1
20FQWH-20FP	7252-88815	1 1/4-11 1/2	5000	15000	1
24FQWH-24FP	7252-88825	1 1/2-11 1/2	5000	15000	1
32FQWH-32FP	7252-88835	2-11 1/2	5000	15000	1

* Features a hex nut on the coupler.

Dust Cap



Descr.	Prod. No.	Std. Pack
12QWHDC	7252-88895	1
16QWHDC	7252-88905	1
20QWHDC	7252-88915	1
24QWHDC	7252-88925	1
32QWHDC	7252-88935	1

- EQUIPMENT
- HOSE/CPLG. SELECTION
- GLOBALSPIRAL COUPLINGS
- PCM/PCS FERRULES
- MEGACRIMP COUPLINGS
- POWER CRIMP COUPLINGS
- LOW PRESSURE COUPLINGS
- POLARSEAL COUPLINGS
- C14 COUPLINGS
- PCTS THERMO-PLASTIC COUPLINGS
- FIELD ATTACHABLE G1 & G2 COUPLINGS
- FIELD ATTACHABLE C5 COUPLINGS
- SURELOK AIR BRAKE COUPLINGS
- QUICK DISCONNECT COUPLERS
- NEW BALL VALVES
- ACCESSORIES
- EQUIPMENT AND PARTS



Quick Disconnect Couplers



G952 Series (High Pressure Wing Nut) - Cont'd

Dust Plug






Descr.	Prod. No.	Std. Pack
12QWHDP	7252-88845	1
16QWHDP	7252-88855	1
20QWHDP	7252-88865	1
24QWHDP	7252-88875	1
32QWHDP	7252-88885	1

G953 Series (Very High Pressure)

Male Poppet Valve to Female Pipe




Recommended for MobileCrimp® crimper-to-pump connection.



Descr.	Prod. No.				Std. Pack
6MQFFVH-6FP	7252-88315	3/8-18	14500	28000	1

Female Screw to Connect to Female Pipe



Descr.	Prod. No.				Std. Pack
6FQFFVH-6FP	7252-88305	3/8-18	14500	28000	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

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Quick Disconnect Couplers

G956 Series (Industrial ISO 7241 - Series A)




Male Poppet Valve to Female Pipe



Descr.	Prod. No.				Std. Pack
4MQP-4FP	7252-89905	1/4-18	4600	18400	1
6MQP-6FP	7252-89915	3/8-18	4600	18400	1
8MQP-8FP	7252-89925	1/2-14	4000	16000	1
12MQP-12FP	7252-89935	3/4-14	4000	16000	1
16MQP-16FP	7252-89945	1-11 1/2	3000	12000	1

Female Poppet Valve to Female Pipe



Descr.	Prod. No.				Std. Pack
4FQP-4FP	7252-89955	1/4-18	4600	18400	1
6FQP-6FP	7252-89965	3/8-18	4600	18400	1
8FQP-8FP	7252-89975	1/2-14	4000	16000	1
12FQP-12FP	7252-89985	3/4-14	4000	16000	1
16FQP-16FP	7252-89995	1-11 1/2	3000	12000	1

QD Plug/Cap Combination



Descr.	Prod. No.	Std. Pack
4QDDP/C	7252-87635	1
6QDDP/C	7252-87645	1
8QDDP/C	7252-87655	1
12QDDP/C	7252-87665	1
16QDDP/C	7252-87675	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
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SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
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Quick Disconnect Couplers



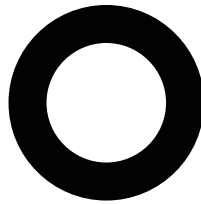
G956 Series (Industrial ISO 7241 - Series A) - Cont'd

O-Ring



Descr.	Prod. No.	Std. Pack
4QDOR	7252-59955	5
6QDOR	7252-59965	5
8QDOR	7252-59975	5
12QDOR	7252-59985	5
16QDOR	7252-59995	5

Backup Ring



Descr.	Prod. No.	Std. Pack
4QDBR	7252-49955	5
6QDBR	7252-49965	5
8QDBR	7252-49975	5
12QDBR	7252-49985	5
16QDBR	7252-49995	5

G959 Series (Agriculture QD Adapters)

John Deere Old Style to ISO Style



Descr.	Prod. No.		Std. Pack
8MJD-8FISO	7252-89615	3000	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



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Quick Disconnect Couplers



G959 Series (Agriculture QD Adapters) - Cont'd

ISO Style to John Deere Old Style



Descr.	Prod. No.		Std. Pack
8MISO-8FJD	7252-89625	3000	1

Int'l Harvester to John Deere Old Style



Descr.	Prod. No.		Std. Pack
8MIHC-8FJD	7252-89635	3000	1

Int'l Harvester Old Style to ISO Style



Descr.	Prod. No.		Std. Pack
8MIHC-8FISO	7252-89645	3000	1

ISO Style to Int'l Harvester Old Style



Descr.	Prod. No.		Std. Pack
8MISO-8FIHC	7252-89655	3000	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW 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.		Std. Pack
8MISO-8FJDDSO	7252-89665	3000	1

ISO Style to Int'l Harvester Old Style - (Double Shutoff)



Descr.	Prod. No.		Std. Pack
8MISO-8FIHCDSO	7252-89675	3000	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

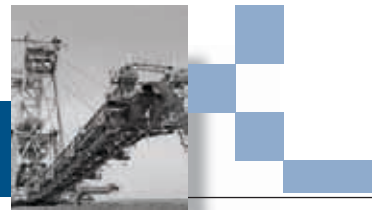
EQUIPMENT AND PARTS





Notes





Two Way Block Style

Code 61 O-Ring Flange 3000 PSI



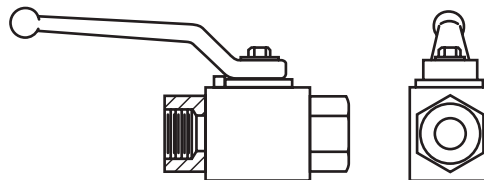
Descr.	Prod. No.	⊖	Nom. Fig. Size	Std. Pack
		"	"	
8FL-8FLBV	7317-00215	1/2	1/2	1
12FL-12FLBV	7317-00225	3/4	3/4	1
16FL-16FLBV	7317-00235	1	1	1
20FL-20FLBV	7317-00245	1 1/4	1 1/4	1
24FL-24FLBV	7317-00255	1 1/2	1 1/2	1
32FL-32FLBV	7317-00265	2	2	1


Code 62 O-Ring Flange 6000 PSI



Descr.	Prod. No.	⊖	Nom. Fig. Size	Std. Pack
		"	"	
8FLH-8FLHBV	7317-00275	1/2	1/2	1
12FLH-12FLHBV	7317-00285	3/4	3/4	1
16FLH-16FLHBV	7317-00295	1	1	1
20FLH-20FLHBV	7317-00305	1 1/4	1 1/4	1
24FLH-24FLHBV	7317-00315	1 1/2	1 1/2	1
32FLH-32FLHBV	7317-00325	2	2	1

Female O-Ring Boss



Descr.	Prod. No.	⊖		Std. Pack
		"	"	
4FB-4FBBV	7317-00075	1/4	1/4	1
6FB-6FBBV	7317-00085	3/8	3/8	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS






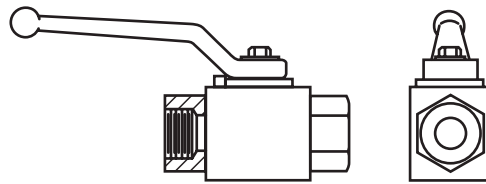
Ball Valves


Two Way Block Style - Cont'd

Female O-Ring Boss - Cont'd

Descr.	Prod. No.	⊖		Std. Pack
		"		
8FB-8FPBV	7317-00095	1/2	1/2	1
12FB-12FPBV	7317-00105	3/4	3/4	1
16FB-16FPBV	7317-00115	1	1	1

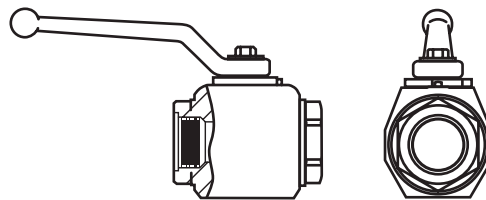
Female Pipe NPTF




Descr.	Prod. No.	⊖		Std. Pack
		"		
4FP-4FPBV	7317-00015	1/4	1/4	1
6FP-6FPBV	7317-00025	3/8	3/8	1
8FP-8FPBV	7317-00035	1/2	1/2	1
12FP-12FPBV	7317-00045	3/4	3/4	1
16FP-16FPBV	7317-00055	1	1	1
20FP-16FPBV	7317-00065	1 1/4	1	1

Two Way Round Style Large ID

Female Pipe NPTF



Descr.	Prod. No.	⊖		Std. Pack
		"		
20FP-20FPBV	7317-00125	1 1/2	1 1/4	1
24FP-24FPBV	7317-00135	1 1/2	1 1/2	1
32FP-32FPBV	7317-00145	2	2	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





Three Way Block Style

Female Pipe NPTF



Descr.	Prod. No.			Std. Pack
		"		
4FP-4FP-4FPBV	7317-00155	1/4	1/4	1
6FP-6FP-6FPBV	7317-00165	3/8	3/8	1
8FP-8FP-8FPBV	7317-00175	1/2	1/2	1
12FP-12FP-12FPBV	7317-00185	3/4	3/4	1
16FP-16FP-16FPBV	7317-00195	1	1	1
20FP-20FP-20FPBV	7317-00205	1 1/4	1 1/4	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

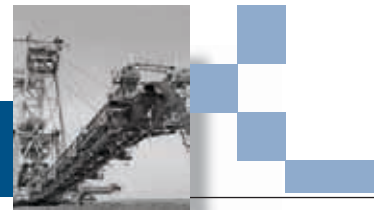
EQUIPMENT AND PARTS





Notes



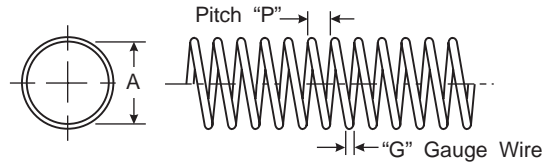


Spring Guards

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).

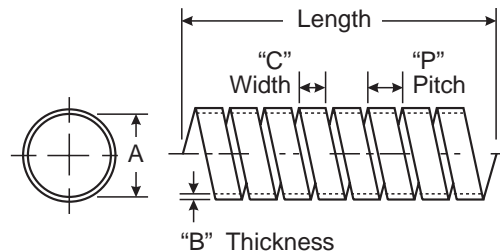


Descr.	Prod. No.	A (In.) (+.015)	G (In.)	P (In.)	Std. Pack
1 1/8" RSG-25FT	7277-0522	1.122	14 (.080)	7/32	25
1 1 1/32" RSG-25FT	7277-0517	1.340	11 (.120)	11/32	25
1 27/32" RSG-10FT	7277-0524	1.847	14 (.080)	13/32	10
1 3/64" RSG-25FT	7277-0515	1.040	14 (.080)	7/32	25
1 37/64" RSG-25FT	7277-0518	1.578	11 (.120)	11/32	25
1 5/8" RSG-25FT	7277-0519	1.625	11 (.120)	11/32	25
1 9/32" RSG-25FT	7277-0516	1.278	11 (.120)	11/32	25
2 1/8" RSG-7FT	7277-0548	2.120	11 (.120)	11/32	7
2 7/64" RSG-7FT	7277-0523	2.112	14 (.080)	13/32	7
1 1/16" RSG-25FT	7277-0535	.682	16 (.065)	7/32	25
35/64" RSG-25FT	7277-0521	.550	14 (.080)	7/32	25
47/64" RSG-25FT	7277-0511	.738	14 (.080)	7/32	25
49/64" RSG-25FT	7277-0510	.676	14 (.080)	7/32	25
55/64" RSG-25FT	7277-0512	.852	14 (.080)	7/32	25
59/64" RSG-25FT	7277-0513	.915	14 (.080)	7/32	25
63/64" RSG-25FT	7277-0514	.977	14 (.080)	7/32	25

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.)	Std. Pack
1 11/16" FSG-5FT	7277-0529	1.687	.028	1/2	5/8	25

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





Hose Guards

Spring Guards - Cont'd

Plated Flat Armor Spring Guards - Cont'd

Descr.	Prod. No.	A (In.) (+.015)	B (In.)	C (In.)	P (In.)	Std. Pack
1 27/32" FSG-15FT	7277-0531	1.844	.028	1/2	5/8	15
1 3/32" FSG-25FT	7277-0530	1.093	.028	1/2	5/8	25
1 3/8" FSG-25FT	7277-0532	1.375	.028	1/2	5/8	25
1 5/8" FSG-25FT	7277-0509	1.625	.028	1/2	5/8	25
1 51/64" FSG-15FT	7277-0525	1.797	.028	1/2	5/8	15
1 7/32" FSG-25FT	7277-0507	1.219	.028	1/2	5/8	25
1 9/16" FSG-25FT	7277-0520	1.562	.028	1/2	5/8	25
1 9/32" FSG-25FT	7277-0508	1.281	.028	1/2	5/8	25
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	5
2 3/32" FSG-10FT	7277-0527	2.093	.028	1/2	5/8	10
2 7/8" FSG-5FT	7277-0526	2.875	.028	1/2	5/8	5
7/8" FSG-25FT	7277-0504	.875	.028	1/2	5/8	25
13/16" FSG-25FT	7277-0503	.812	.028	1/4	3/8	25
21/32" FSG-25FT	7277-0501	.656	.019	3/8	1/2	25
22/32" FSG-25FT	7277-0502	.719	.019	3/8	1/2	25
35/64" FSG-25FT	7277-0500	.550	.019	3/8	1/2	25
39/64" FSG-25FT	7277-0533	.609	.032	1/4	3/8	25
51/64" FSG-25FT	7277-0534	.797	.032	3/8	1/2	25
61/64" FSG-25FT	7277-0505	.953	.028	1/2	5/8	25

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



Plated Flat Armor Spring 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.)	Std. Pack
1 3/8" CS1157-25FT	7277-1157	1 3/8	5/8	.115	25
1 7/8" CS1158-25FT	7277-1158	1 7/8	5/8	.115	25
1" CS1156-50FT	7277-1156	1	5/8	.115	50
1/2" CS1153-100FT	7277-1153	1/2	3/8	.070	100
1/4" CS1151-100FT	7277-1151	1/4	1/4	.040	100
3/4" CS1155-50FT	7277-1155	3/4	3/8	.070	50
3/8" CS1152-100FT	7277-1152	3/8	1/4	.040	100
5/8" CS1154-50FT	7277-1154	5/8	3/8	.070	50

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



The World's Most Trusted Name in Belts, Hose and Hydraulics.

www.gates.com/hydraulics

Q3



Plated Flat Armor Spring Guards

PolySleeve™ High Density Polyethylene Hose Wrap

PolySleeve™ High Density Polyethylene Hose Wrap - Yellow

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.)	Std. Pack
6PSY POLY SLEEVE	7277-1185	.38	.38	.52	.060	3/8	165
8PSY POLY SLEEVE	7277-1186	.50	.52	.64	.070	9/16	66
12PSY POLY SLEEVE	7277-1187	.63	.63	.85	.080	5/8	66
16PSY POLY SLEEVE	7277-1188	.84	.86	1.08	.080	7/8	66
20PSY POLY SLEEVE	7277-1189	1.06	1.10	1.35	.100	15/16	66
24PSY POLY SLEEVE	7277-1190	1.34	1.36	1.74	.120	1 3/16	66
28PSY POLY SLEEVE	7277-1191	1.73	1.75	2.18	.120	1 7/16	66
36PSY POLY SLEEVE	7277-1192	2.17	2.19	2.61	.160	1 1/2	66
44PSY POLY SLEEVE	7277-1193	2.60	2.62	3.11	.180	1 11/16	66
48PSY POLY SLEEVE	7277-1194	3.10	3.12	3.95	.220	1 7/8	66
56PSY POLY SLEEVE	7277-1195	3.90	3.95	4.25	.220	2 1/4	40

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Plated Flat Armor Spring Guards



PolySleeve™ High Density Polyethylene Hose Wrap - Cont'd

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.)	Std. Pack
6PSB POLY SLEEVE	7277-1174	.38	.38	.52	.060	3/8	165
8PSB POLY SLEEVE	7277-1175	.50	.52	.64	.070	9/16	66
12PSB POLY SLEEVE	7277-1176	.63	.63	.85	.080	5/8	66
16PSB POLY SLEEVE	7277-1177	.84	.86	1.08	.080	7/8	66
20PSB POLY SLEEVE	7277-1178	1.06	1.10	1.35	.100	15/16	66
24PSB POLY SLEEVE	7277-1179	1.34	1.36	1.74	.120	1 3/16	66
28PSB POLY SLEEVE	7277-1180	1.73	1.75	2.18	.120	1 7/16	66
36PSB POLY SLEEVE	7277-1181	2.17	2.19	2.61	.160	1 1/2	66
44PSB POLY SLEEVE	7277-1182	2.60	2.62	3.11	.180	1 11/16	66
48PSB POLY SLEEVE	7277-1183	3.10	3.12	3.95	.220	1 7/8	66
56PSB POLY SLEEVE	7277-1184	3.90	3.95	4.25	.220	2 1/4	40
R110-SH BLACK	7277-0001	—	—	—	—	—	40

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Nylon Protective Sleeve



LifeGuard™



Descr.	Prod. No.	Std. Pack
LG14	7277-1850	150
LG16	7277-1851	150
LG20	7277-1852	150

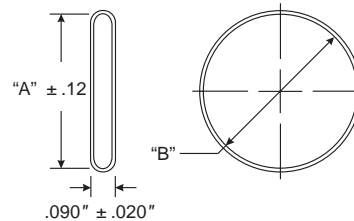
Nylon Protective Sleeve

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.)	Std. Pack
HG-10	7277-1067	1.07	.68	300
HG-14	7277-1010	1.42	.90	300
HG-16	7277-1011	1.67	1.06	300
HG-20	7277-1012	1.92	1.22	300
HG-24	7277-1013	2.24	1.42	300
HG-26	7277-1377	2.50	1.59	300
HG-28	7277-1014	2.85	1.81	300
HG-32	7277-1015	3.44	2.19	300
HG-38	7277-1016	3.74	2.38	300
HG-42	7277-1018	4.12	2.62	300
HG-46	7277-1024	4.53	2.88	300
HG-64	7277-1276	6.91	4.40	100

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

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Nylon Protective Sleeve



Clamp Collar for Nylon Sleeve on M3K Hose and for LifeGuard™ Sleeve



Descr.	Prod. No.	⊖	Std. Pack
		"	
6SC-1	7334-48405	1/4-3/8	1
6SC-4	7334-48485	1/4-3/8	1
8SC-1	7334-48425	1/2	1
10SC-1	7334-48445	5/8	1
12SC-1	7334-48465	3/4	1
16SC-1	7334-48475	1	1
6SC-1XBULK	7334-4840	1/4-3/8	225
6SC-4XBULK	7334-4848	1/4-3/8	225
8SC-1XBULK	7334-4842	1/2	200
10SC-1XBULK	7334-4844	5/8	175
12SC1XBULK	7334-4846	3/4	150
16SC-1XBULK	7334-4847	1	100

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



The World's Most Trusted Name in Belts, Hose and Hydraulics.

www.gates.com/hydraulics

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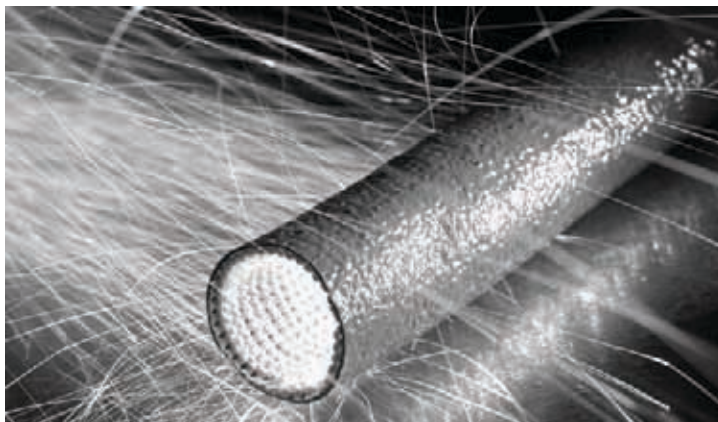


HeatGuard® Protective Sheathing

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.



EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Descr.	Prod. No.	I.D. (In.)	Std. Pack
HTG-4	7277-1571	.25	50
HTG-5	7277-1572	.31	50
HTG-6	7277-1573	.38	50
HTG-7	7277-1574	.44	50
HTG-8	7277-1575	.50	50
HTG-9	7277-1576	.56	50
HTG-10	7277-1577	.62	50
HTG-11	7277-1578	.69	50
HTG-12	7277-1579	.75	50
HTG-13	7277-1580	.81	50
HTG-14	7277-1581	.88	50
HTG-15	7277-1582	.94	50
HTG-16	7277-1196	1.00	50
HTG-18	7277-1197	1.12	50
HTG-20	7277-1583	1.25	50
HTG-22	7277-1584	1.38	50
HTG-24	7277-1585	1.50	50
HTG-26	7277-1586	1.62	50
HTG-28	7277-1587	1.75	50
HTG-30	7277-1588	1.88	50
HTG-32	7277-1589	2.00	50
HTG-34	7277-1590	2.12	50
HTG-36	7277-1591	2.25	50
HTG-38	7277-1592	2.38	50
HTG-40	7277-1593	2.50	50
HTG-42	7277-1594	2.62	50
HTG-44	7277-1595	2.00	50
HTG-46	7277-1596	2.88	50
HTG-48	7277-1597	3.00	50
HTG-50	7277-1598	3.12	50
HTG-52	7277-1599	3.25	50
HTG-56	7277-1600	3.00	50
HTG-60	7277-1601	3.75	50





HeatGuard® Protective Sheathing - Cont'd

Descr.	Prod. No.	I.D. (In.)	Std. Pack
HTG-64	7277-1602	4.00	50

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.	Std. Pack
24-HTGH	7277-1611	50
28-HTGH	7277-1612	50
34-HTGH	7277-1613	50
36-HTGH	7277-1614	50
44-HTGH	7277-1615	50
52-HTGH	7277-1616	50
60-HTGH	7277-1617	50
64-HTGH	7277-1618	50

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





Gates OE-Style Clamp Collars

Clamp Collars

Description: Crimping Instruction: Care must be taken when crimping clamp collars onto a hydraulic hose. If crimp is too tight, hose will be crushed, dramatically reducing its service life. If crimp is too loose, collar could slide along hose's length causing abrasion and eventual hose cover failure. Remember: Clamp collars must be crimped before the hose couplings.

To locate clamps and protect hose. Previously available only through equipment dealerships, clamp collars are common on many types of construction equipment. The collars are actually crimped onto a hydraulic hose, reducing hose movement and minimizing abrasion.

Use the following instruction to determine crimp diameter, which can then be used to find crimping setting in Gates' Crimp Data Manual (428-7365 Auto./35019 Ind.). The required clamp collar for a specific hydraulic hose is provided in Table 1. 1. Measure hose's outside diameter at the location where clamp collar will be crimped. This can be accomplished by using a pie tape or by using the average hose outside diameter measured with a dial caliper. 2. Measure wall thickness of clamp collar with a dial caliper. 3. Obtain crimp diameter by adding hose outside diameter to twice the clamp collar wall thickness; Crimp Diameter = (Hose O.D.) + (2 x .065).



Descr.	Prod. No.	Hydraulic Hose Applications	Std. Pack
CC1.12	7334-45805	10M2T, 10G2, 10M3K	1
CC1.20	7334-37015	12M2T, 12G2, 12M4K	1
CC1.25	7334-45885	12M2T, 12G2, 12M4K	1
CC1.37	7334-45895	12C12, 12G4K	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

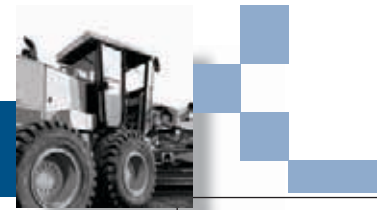
NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Gates OE-Style Clamp Collars



Crimping Dies for Clamp Collars - OmniCrimp® 21

Description: Crimping Instruction: Care must be taken when crimping clamp collars onto a hydraulic hose. If crimp is too tight, hose will be crushed, dramatically reducing its service life. If crimp is too loose, collar could slide along hose's length causing abrasion and eventual hose cover failure. Remember: Clamp collars must be crimped before the hose couplings.

To locate clamps and protect hose. Previously available only through equipment dealerships, clamp collars are common on many types of construction equipment. The collars are actually crimped onto a hydraulic hose, reducing hose movement and minimizing abrasion.

Use the following instruction to determine crimp diameter, which can then be used to find crimping setting in Gates' Crimp Data Manual (428-7365 Auto./35019 Ind.). The required clamp collar for a specific hydraulic hose is provided in Table 1. 1. Measure hose's outside diameter at the location where clamp collar will be crimped. This can be accomplished by using a pie tape or by using the average hose outside diameter measured with a dial caliper. 2. Measure wall thickness of clamp collar with a dial caliper. 3. Obtain crimp diameter by adding hose outside diameter to twice the clamp collar wall thickness; Crimp Diameter - (Hose O.D.) + (2 x .065).

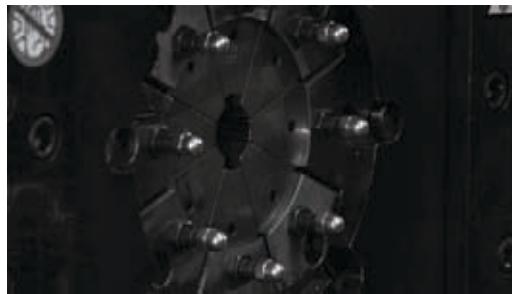
Recommended For: Crimping sizes 3/16" to 2" I.D. including 6 spiral-wire hose.

Each die has its own storage cylinder.

Horizontal feed makes crimping easy and convenient.

Large hoses with 90° bent tubes and flanges load without removing dies.

Unique speed loading die system is fast and clean.



Descr.	Prod. No.	Hydraulic Hose Applications	Std. Pack
DIE SET (OM331)	7482-0733	10M2T, 10G2, 12M2T, 12G2, 12C12M, 12G4K, 12M4K	1

Crimping Dies for Clamp Collars - Power Crimp® 707

Description: Crimping Instruction: Care must be taken when crimping clamp collars onto a hydraulic hose. If crimp is too tight, hose will be crushed, dramatically reducing its service life. If crimp is too loose, collar could slide along hose's length causing abrasion and eventual hose cover failure. Remember: Clamp collars must be crimped before the hose couplings.

To locate clamps and protect hose. Previously available only through equipment dealerships, clamp collars are common on many types of construction equipment. The collars are actually crimped onto a hydraulic hose, reducing hose movement and minimizing abrasion.

Use the following instruction to determine crimp diameter, which can then be used to find crimping setting in Gates' Crimp Data Manual (428-7365 Auto./35019 Ind.). The required clamp collar for a specific hydraulic hose is provided in Table 1. 1. Measure hose's outside diameter at the location where clamp collar will be crimped. This can be accomplished by using a pie tape or by using the average hose outside diameter measured with a dial caliper. 2. Measure wall thickness of clamp collar with a dial caliper. 3. Obtain crimp diameter by adding hose outside diameter to twice the clamp collar wall thickness; Crimp Diameter - (Hose O.D.) + (2 x .065).



Descr.	Prod. No.	Hydraulic Hose Applications	Std. Pack
CC-7C3 DIE SET	7482-1122	10M2T, 10G2	1
CC-7C4 DIE SET	7482-1123	12M2T, 12G2, 12C12M, 12G4K, 12M4K	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



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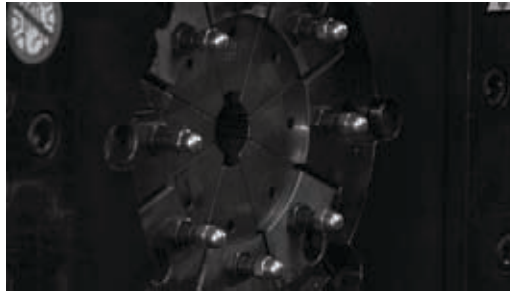
Gates OE-Style Clamp Collars

Crimping Dies for Clamp Collars - MobileCrimp® 4-20

Description: Crimping Instruction: Care must be taken when crimping clamp collars onto a hydraulic hose. If crimp is too tight, hose will be crushed, dramatically reducing its service life. If crimp is too loose, collar could slide along hose's length causing abrasion and eventual hose cover failure. Remember: Clamp collars must be crimped before the hose couplings.

To locate clamps and protect hose. Previously available only through equipment dealerships, clamp collars are common on many types of construction equipment. The collars are actually crimped onto a hydraulic hose, reducing hose movement and minimizing abrasion.

Use the following instruction to determine crimp diameter, which can then be used to find crimping setting in Gates' Crimp Data Manual (428-7365 Auto./35019 Ind.). The required clamp collar for a specific hydraulic hose is provided in Table 1. 1. Measure hose's outside diameter at the location where clamp collar will be crimped. This can be accomplished by using a pie tape or by using the average hose outside diameter measured with a dial caliper. 2. Measure wall thickness of clamp collar with a dial caliper. 3. Obtain crimp diameter by adding hose outside diameter to twice the clamp collar wall thickness; Crimp Diameter = (Hose O.D.) + (2 x .065).



Descr.	Prod. No.	Hydraulic Hose Applications	Std. Pack
DIE SET (MCC3)	7482-0981	10M2T, 10G2	1
DIE SET (MCC4)	7482-0982	12M2T, 12G2, 12C12	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW 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 near 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	Std. Pack
HBR1097	7277-10975	.76	7.00	6G2	45
HBR1098	7277-10985	.91	7.00	8PC2500	34
HBR1097XBULK	7277-1097	.76	7.00	6G2	300
HBR1098XBULK	7277-1098	.91	7.00	8PC2500	190

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 near 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	Std. Pack
HBR1050	7277-10505	.63	5.5	4G1, 4G1H, 4G2, 4M3K, 4M2T, 4PC3500	39
HBR1051	7277-10515	.73	6.0	6G1, 6G1H, 6M3K, 6M2T, 6G17, 6PC3000, 6PC4000, 4PC6000	27
HBR1052	7277-10525	.84	7.00	8G1, 8GIH, 6PC5000	38
HBR1053	7277-10535	1.00	8.0	10G1, 10G1H, 10M2T	30
HBR1054	7277-10545	.77	7.00	6G2	45
HBR1055	7277-10555	.53	5.3	4GT7/4GT7NC	42
HBR1056	7277-10905	.91	7.00	8PC2500	34
HBR1050XBULK	7277-1050	.63	5.5	4G1, 4G1H, 4G2, 4M3K, 4M2T, 4PC3500	410
HBR1051XBULK	7277-1051	.73	6.0	6G1, 6G1H, 6M3K, 6M2T, 6G17, 6PC3000, 6PC4000, 4PC6000	380
HBR1052XBULK	7277-1052	.84	7.00	8G1, 8GIH, 6PC5000	200
HBR1053XBULK	7277-1053	1.00	8.0	10G1, 10G1H, 10M2T	150
HBR1054XBULK	7277-1054	.77	7.00	6G2	300
HBR1055XBULK	7277-1055	.53	5.3	4GT7/4GT7NC	440

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

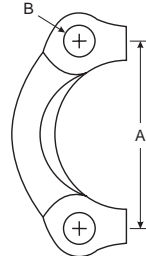




Flange Fittings

Flange Half Sets (Code 61 - SAE J518)

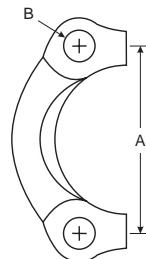
Each set contains 2 flange halves, 1 O-Ring and 4 bolts (Grade 8) with lock washers.



Descr.	Prod. No.	Nom. Fig. Size	A (In.)	B (In.)	Std. Pack
8CFHS	7253-07015	1/2	1.50	.34	1
12CFHS	7253-07025	3/4	1.88	.41	1
16CFHS	7253-07035	1	2.06	.41	1
20CFHS	7253-07045	1 1/4	2.31	.47	1
24CFHS	7253-07055	1 1/2	2.75	.53	1
32CFHS	7253-07065	2	3.06	.53	1
40CFHS	7253-01305	2 1/2	3.50	.54	1
48CFHS	7253-01315	3	4.19	.66	1
56CFHS	7253-01325	3 1/2	4.75	.66	1
64CFHS	7253-01335	4	4.75	.66	1

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. Fig. Size	A (In.)	B (In.)	Std. Pack
8FHHS	7253-09775	1/2	1.55	.34	1
12FHHS	7253-09785	3/4	2.00	.41	1
16FHHS	7253-09795	1	2.25	.47	1
20FHHS	7253-09805	1 1/4	2.63	.53	1
24FHHS	7253-09815	1 1/2	3.13	.66	1
32FHHS	7253-09825	2	3.81	.78	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

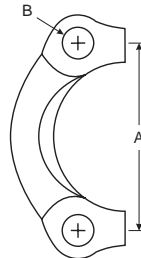
EQUIPMENT AND PARTS





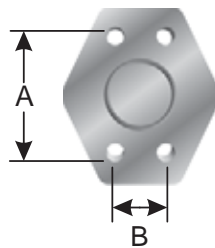
Caterpillar-Style Flange Half Sets

Each set contains 2 flange halves, 1 O-Ring and 4 bolts (Grade 8) with lock washers.



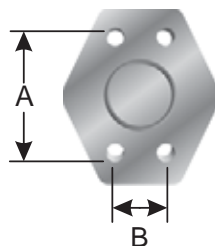
Descr.	Prod. No.	Nom. Flg. Size	A (In.)	B (In.)	Std. Pack
12CATFHS	7253-37025	3/4	2.00	.41	1
16CATFHS	7253-37035	1	2.25	.47	1
20CATFHS	7253-37045	1 1/4	2.63	.53	1
24CATFHS	7253-37055	1 1/2	3.13	.66	1
32CATFHS	7253-37065	2	3.81	.78	1

Code 61 Flange Cap



Descr.	Prod. No.	Nom. Flg. Size	A (In.)	B (In.)	Std. Pack
12FL-CAP	7253-66115	3/4	1.88	.41	1
16FL-CAP	7253-66125	1	2.06	.41	1
20FL-CAP	7253-66135	1 1/4	2.31	.47	1
24FL-CAP	7253-66145	1 1/2	2.75	.53	1
32FL-CAP	7253-66155	2	3.06	.53	1

Code 62 Flange Cap



Descr.	Prod. No.	Nom. Flg. Size	A (In.)	B (In.)	Std. Pack
12FLH-CAP	7253-66165	3/4	2.00	.41	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





Flange Fittings

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

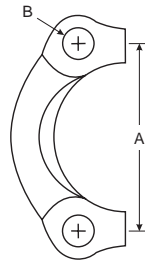
ACCESSORIES

EQUIPMENT AND PARTS

Code 62 Flange Cap - Cont'd

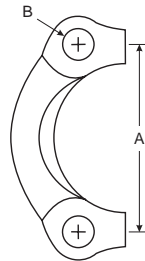
Descr.	Prod. No.	Nom. Flg. Size	A (In.)	B (In.)	Std. Pack
16FLH-CAP	7253-66175	1	2.25	.47	1
20FLH-CAP	7253-66185	1 1/4	2.63	.53	1
24FLH-CAP	7253-66195	1 1/2	3.13	.66	1
32FLH-CAP	7253-66205	2	3.81	.78	1

Flange Half Only (Code 61 - SAE J518)



Descr.	Prod. No.	Nom. Flg. Size	A (In.)	B (In.)	Std. Pack
8CFH FLANGE CLAMP HALF	7253-1740	1/2	1.50	.34	100
12CFH FLANGE CLAMP HALF	7253-1741	3/4	1.88	.41	75
16CFH FLANGE CLAMP HALF	7253-1742	1	2.06	.41	25
20CFH FLANGE CLAMP HALF	7253-1743	1 1/4	2.31	.47	20
24CFH FLANGE CLAMP HALF	7253-1744	1 1/2	2.75	.53	50
32CFH FLANGE CLAMP HALF	7253-1745	2	3.06	.53	15
40CFH FLANGE CLAMP HALF	7253-1746	2 1/2	3.50	.54	10

Flange Half Only (Code 62 - SAE J518)



Descr.	Prod. No.	Nom. Flg. Size	A (In.)	B (In.)	Std. Pack
12FHXBULK	7253-0972	3/4	2.00	.41	20
16FHXBULK	7253-0973	1	2.25	.47	40
20FHXBULK	7253-0974	1 1/4	2.63	.53	35
24FHXBULK	7253-0975	1 1/2	3.13	.66	20
32FHXBULK	7253-0976	2	3.81	.78	10





O-Rings for Code 61, Code 62, and Caterpillar-Style Flange Fittings

90 Durometer Hardness.



Descr.	Prod. No.	I.D. (In.)	Wall (In.)	Std. Pack
8FLORXBULK	7254-0001	3/4	.139	10
10FLORXBULK	7254-0142	55/64	.139	10
12FLORXBULK	7254-0007	1	.139	10
16FLORXBULK	7254-0009	1 5/16	.139	10
20FLORXBULK	7254-0011	1 1/2	.139	10
24FLORXBULK	7254-0013	1 7/8	.139	10
32FLORXBULK	7254-0015	2 1/4	.139	10
40FLORXBULK	7254-0133	2 3/4	.139	10
48FLORXBULK	7254-0134	3 3/8	.139	10
56FLORXBULK	7254-0135	3 7/8	.139	10
64FLORXBULK	7254-0136	4 3/8	.139	10

O-Rings for Straight Thread Boss Fittings

90 Durometer Hardness.



Descr.	Prod. No.	I.D. (In.)	Wall (In.)	Std. Pack
30RXBULK	7254-0003	19/64	1/16	10
40RXBULK	7254-0004	11/32	5/64	10
50RXBULK	7254-0005	13/32	5/64	10
60RXBULK	7254-0006	15/32	5/64	10
80RXBULK	7254-0008	41/64	3/32	10
100RXBULK	7254-0010	3/4	3/32	10
120RXBULK	7254-0012	59/64	7/64	10
140RXBULK	7254-0014	1 3/64	7/64	10
160RXBULK	7254-0016	1 11/64	7/64	10
200RXBULK	7254-0020	1 15/32	7/64	10

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



O-Rings



EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

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.	Std. Pack
4-ORFFXBULK	7254-0125	1/4	011	10
6-ORFFXBULK	7254-0126	3/8	012	10
8-ORFFXBULK	7254-0127	1/2	014	10
10-ORFFXBULK	7254-0128	5/8	016	10
12-ORFFXBULK	7254-0129	3/4	018	10
16-ORFFXBULK	7254-0130	1	021	10
20-ORFFXBULK	7254-0131	1 1/4	025	10
24-ORFFXBULK	7254-0132	1 1/2	029	10

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)	Std. Pack
4ORFBSPPXBULK	7254-1166	6.5	1.0	10
6ORFBSPPXBULK	7254-1154	7.1	1.6	10
8ORFBSPPXBULK	7254-1157	11.1	1.6	10
10ORFBSPPXBULK	7254-1159	12.1	1.6	10
12ORFBSPPXBULK	7254-1162	17.1	1.6	10
16ORFBSPPXBULK	7254-1164	22.1	1.6	10
20ORFBSPPXBULK	7254-1165	29.1	1.6	10





O-Rings for DIN Heavy Series (PC, PCM & PCS Couplings)

70 Durometer Hardness.



Descr.	Prod. No.	I.D. (mm)	Wall (mm)	Std. Pack
8ORDINXBULK	7254-0154	6.0	1.5	10
10ORDINXBULK	7254-0151	7.1	1.6	10
12ORDINXBULK	7254-0153	9.1	1.6	10
14ORDINXBULK	7254-0150	10.5	1.8	10
16ORDINXBULK	7254-0149	11.9	1.8	10
20ORDINXBULK	7254-0152	16.6	2.4	10
25ORDINXBULK	7254-0144	21.6	2.4	10
30ORDINXBULK	7254-0146	27.6	2.4	10
38ORDINXBULK	7254-0145	34.6	2.4	10

O-Rings for DIN Light & Heavy Series (MegaCrimp® and GlobalSpiral™ Couplings)

70 Durometer Hardness.



Descr.	Prod. No.	I.D. (mm)	Wall (mm)	Std. Pack
6ORDHXBULK	7254-0206	4.0	1.5	10
8ORDHXBULK	7254-0207	6.0	1.5	10
10ORDHXBULK	7254-0208	7.5	1.5	10
12ORDHXBULK	7254-0209	9.0	1.5	10
14ORDHXBULK	7254-1132	10.0	2.0	10
15/16ORDL/HXBULK	7254-0200	12.0	2.0	10
18ORDLXBULK	7254-0201	15.0	2.0	10
20ORDHXBULK	7254-0210	16.3	2.4	10
22ORDLXBULK	7254-0202	20.0	2.0	10
25ORDHXBULK	7254-0211	20.3	2.4	10
28ORDLXBULK	7254-0203	26.0	2.0	10
30ORDHXBULK	7254-0212	25.3	2.4	10
35ORDLXBULK	7254-0204	32.0	2.5	10
38ORDHXBULK	7254-0213	33.3	2.4	10
42ORDLXBULK	7254-0205	38.0	2.5	10

NOTE: ORDH works for both DIN light and DIN heavy, unless otherwise noted.

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS






Tube Nuts and Sleeves

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
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ACCESSORIES
EQUIPMENT AND PARTS

Tube Sleeve Nut



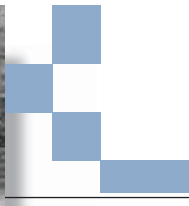
Descr.	Prod. No.	A1		H1	Std. Pack
2TSN	7259-06805	1/8	5/16-24	3/8	1
3TSN	7259-78295	3/16	3/8-24	1/4	1
4TSN	7259-01105	1/4	7/16-20	9/16	1
5TSN	7259-01115	5/16	1/2-20	5/8	1
6TSN	7259-01125	3/8	9/16-18	11/16	1
8TSN	7259-01135	1/2	3/4-16	7/8	1
10TSN	7259-01145	5/8	7/8-14	1	1
12TSN	7259-01155	3/4	1 1/16-12	1 1/4	1
14TSN	7259-01165	7/8	1 3/16-12	1 3/8	1
16TSN	7259-01175	1	1 5/16-12	1 1/2	1
20TSN	7259-01185	1 1/4	1 5/8-12	2	1
24TSN	7259-01195	1 1/2	1 7/8-12	2 1/4	1
32TSN	7259-09055	2	2 1/2-12	2 7/8	1

Tube Sleeve




Descr.	Prod. No.	A1	Std. Pack
3TS	7259-78275	3/16	5
4TS	7259-23905	1/4	5
5TS	7259-23915	5/16	5
6TS	7259-23925	3/8	5
8TS	7259-23935	1/2	5
10TS	7259-23945	5/8	1
12TS	7259-23955	3/4	1
14TS	7259-23965	7/8	1
16TS	7259-23975	1	1
20TS	7259-23985	1 1/4	1
24TS	7259-23995	1 1/2	1
32TS	7259-24005	2	1





Female Flareless Nut



Descr.	Prod. No.	A1		H1	Std. Pack
4FFN	7334-40495	1/4	7/16-20	9/16	5
5FFN	7334-40505	5/16	1/2-20	5/8	5
6FFN	7334-40515	3/8	9/16-18	11/16	5
8FFN	7334-40425	1/2	3/4-16	7/8	5
10FFN	7334-40525	5/8	7/8-14	1	1
12FFN	7334-40535	3/4	1 1/16-12	1 1/4	1
16FFN	7334-40545	1	1 5/16-12	1 1/2	1


Female Flareless Sleeve



Descr.	Prod. No.	A1	Std. Pack
4FFS	7334-40555	1/4	5
5FFS	7334-40565	5/16	5
6FFS	7334-40575	3/8	5
8FFS	7334-40435	1/2	5
10FFS	7334-40585	5/8	1
12FFS	7334-40595	3/4	1
16FFS	7334-40605	1	1

Locknuts for Bulkhead Fittings



Descr.	Prod. No.		H1	Std. Pack
5LN	7253-24615	1/2-20	3/4	5
8LN-SH	7259-24635	3/4-16	1	5
16LN-SH	7259-24665	1 5/16-1/2	1 5/8	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

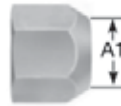
EQUIPMENT AND PARTS






Tube Nuts and Sleeves

Metric Bite Nut



Descr.	Prod. No.		A1	Std. Pack
6MNH	7253-27115	M14X1.5	6.0	5
6MNL	7253-27105	M12X1.5	6.0	5
8MNH	7253-27135	M16X1.5	8.0	5
8MNL	7253-27125	M14X1.5	8.0	5
10MNH	7253-27155	M18X1.5	10.0	1
10MNL	7253-27145	M16X1.5	10.0	1
12MNH	7253-27175	M20X1.5	12.0	1
12MNL	7253-27165	M18X1.5	12.0	1
14MNH	7253-27195	M22X1.5	15.0	1
15MNL	7253-27185	M22X1.5	14.0	1
16MNH	7253-27205	M24X1.5	16.0	1
18MNL	7253-27215	M26X1.5	18.0	1
20MNH	7253-27225	M30X1.5	20.0	1
22MNL	7253-27235	M30X1.5	22.0	1
25MNH	7253-27245	M36X1.5	25.0	1
28MNL	7253-27255	M36X1.5	28.0	1
30MNH	7253-27265	M42X1.5	30.0	1
35MNL	7253-27275	M45X1.5	35.0	1
38MNH	7253-27285	M52X1.5	38.0	1
42MNL	7253-27295	M52X1.5	42.0	1

Metric Bite Sleeve



Descr.	Prod. No.	A1	Std. Pack
6BS	7253-26815	6.0	5
8BS	7253-26835	8.0	5
10BS	7253-26855	10.0	1
12BS	7253-26875	12.0	1
14BS	7253-26895	14.0	1
15BS	7253-26905	15.0	1
16BS	7253-26915	16.0	1
18BS	7253-26925	18.0	1
20BS	7253-26935	20.0	1
22BS	7253-26945	22.0	1
25BS	7253-26955	25.0	1
28BS	7253-26965	28.0	1
30BS	7253-26975	30.0	1
35BS	7253-26985	35.0	1
38BS	7253-26995	38.0	1
42BS	7253-27005	42.0	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

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POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

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FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





MegaClean™ Foam Projectile



Prod. No.	Descr.	Std. Pack
7467-50015	HAP-04 Assembly Projectile (100 ea)	1
7467-50005	HAP-04-01 Assembly Projectile (100 ea)	1
7467-50035	HAP-06 Assembly Projectile (100 ea)	1
7467-50055	HAP-08 Assembly Projectile (100 ea)	1
7467-5001	HAPB-04 Assembly Projectile Bulk (10,000 ea)	1
7467-5000	HAPB-04-01 Assembly Projectile Bulk (10,000 ea)	1
7467-5003	HAPB-06 Assembly Projectile Bulk (10,000 ea)	1
7467-5005	HAPB-08 Assembly Projectile Bulk (10,000 ea)	1
7467-50025	HP-04 Hose Projectile (100 ea)	1
7467-50045	HP-06 Hose Projectile (100 ea)	1
7467-50065	HP-08 Hose Projectile (100 ea)	1
7467-50075	HP-08-1 Hose Projectile (100 ea)	1
7467-50085	HP-10 Hose Projectile (50 ea)	1
7467-50095	HP-10-1 Hose Projectile (50 ea)	1
7467-50105	HP-12 Hose Projectile (50 ea)	1
7467-50115	HP-12-1 Hose Projectile (40 ea)	1
7467-50125	HP-14 Hose Projectile (40 ea)	1
7467-50135	HP-16 Hose Projectile (40 ea)	1
7467-50145	HP-16-1 Hose Projectile (30 ea)	1
7467-50155	HP-20 Hose Projectile (30 ea)	1
7467-50165	HP-20-1 Hose Projectile (20 ea)	1
7467-50175	HP-24 Hose Projectile (20 ea)	1
7467-50185	HP-24-1 Hose Projectile (15 ea)	1
7467-50195	HP-32 Hose Projectile (15 ea)	1
7467-50205	HP-32-1 Hose Projectile (10 ea)	1
7467-50215	HP-40 Hose Projectile (10 ea)	1
7467-50225	HP-48 Hose Projectile (10 ea)	1
7467-50235	HP-56 Hose Projectile (10 ea)	1
7467-50245	HP-64 Hose Projectile (10 ea)	1
7467-5002	HP-04 Hose Projectile Bulk (10,000 ea)	1
7467-5004	HPB-06 Hose Projectile Bulk (10,000 ea)	1
7467-5006	HPB-08 Hose Projectile Bulk (10,000 ea)	1
7467-5007	HPB-08-1 Hose Projectile Bulk (9,000 ea)	1
7467-5008	HPB-10 Hose Projectile Bulk (7,000 ea)	1
7467-5009	HPB-10-1 Hose Projectile Bulk (5,500 ea)	1
7467-5010	HPB-12 Hose Projectile Bulk (4,000 ea)	1
7467-5011	HPB-12-1 Hose Projectile Bulk (3,800 ea)	1
7467-5012	HPB-14 Hose Projectile Bulk (3,500 ea)	1
7467-5013	HPB-16 Hose Projectile Bulk (2,000 ea)	1
7467-5014	HPB-16-1 Hose Projectile Bulk (1,900 ea)	1
7467-5015	HPB-20 Hose Projectile Bulk (1,500 ea)	1
7467-5016	HPB-20-1 Hose Projectile Bulk (1,200 ea)	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
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SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





MegaClean™ Foam Projectile - Cont'd

Prod. No.	Descr.	Std. Pack
7467-5017	HPB-24 Hose Projectile Bulk (650 ea)	1
7467-5018	HPB-24-1 Hose Projectile Bulk (600 ea)	1
7467-5019	HPB-32 Hose Projectile Bulk (450 ea)	1
7467-5020	HPB-32-1 Hose Projectile Bulk (360 ea)	1

EQUIPMENT

HOSE/CPLG.
SELECTIONGLOBALSPIRAL
COUPLINGSPCM/PCS
FERRULESMEGACRIMP
COUPLINGSPOWER
CRIMP
COUPLINGSLOW
PRESSURE
COUPLINGSPOLARSEAL
COUPLINGSC14
COUPLINGSPCTS
THERMO-
PLASTIC
COUPLINGSFIELD
ATTACHABLE
G1 & G2
COUPLINGSFIELD
ATTACHABLE
C5
COUPLINGSSURELOK AIR
BRAKE
COUPLINGSQUICK
DISCONNECT
COUPLERSNEW BALL
VALVES

ACCESSORIES

EQUIPMENT
AND PARTS



GC32-XD Crimpers and Stand



Prod. No.	Descr.	Std. Pack
7482-7226	GC-32 Literature Shelf	1
7480-7001	GC32-XD Crimper (mirror, foot pedal, and QCT)	1
7480-7003	Die Rack's (2) holds 16 dies, stand or wall mount	1
7480-7002	GC32-XD Stand	1

GC32-XD Dies



Prod. No.	Descr.	Std. Pack
7482-7205	Die Set (GC32-18M)	1
7482-7128	Die Set 32-21	1
7482-7129	Die Set 32-22	1
7482-7206	Die Set (GC32-22M)	1
7482-7130	Die Set 32-31	1
7482-7131	Die Set 32-33	1
7482-7132	Die Set 32-34	1
7482-7133	Die Set 32-35	1
7482-7134	Die Set 32-36	1
7482-7135	Die Set 32-37	1
7482-7136	Die Set 32-38	1
7482-7137	Die Set 32-39	1
7482-7143	Die Set 32-40 (6AC)	1
7482-7144	Die Set 32-41 (8AC)	1
7482-7145	Die Set 32-42 (10AC)	1
7482-7146	Die Set 32-43 (12AC)	1
7482-7147	Die Set 32-44 (Power Steering)	1

EQUIPMENT

HOSE/CPLG.
SELECTIONGLOBALSPIRAL
COUPLINGSPCM/PCS
FERRULESMEGACRIMP
COUPLINGSPOWER
CRIMP
COUPLINGSLOW
PRESSURE
COUPLINGSPOLARSEAL
COUPLINGSC14
COUPLINGSPCTS
THERMO-
PLASTIC
COUPLINGSFIELD
ATTACHABLE
G1 & G2
COUPLINGSFIELD
ATTACHABLE
C5
COUPLINGSSURELOK AIR
BRAKE
COUPLINGSQUICK
DISCONNECT
COUPLERSNEW BALL
VALVES

ACCESSORIES

EQUIPMENT
AND PARTS



Equipment and Parts

GC32-XD Dies - Cont'd

	Prod. No.	Descr.	Std. Pack
EQUIPMENT			
HOSE/CPLG. SELECTION			
GLOBALSPIRAL COUPLINGS	7482-7157	Die Set 32-45 (Grease Fitting)	1
	7482-7148	Die Set 32-46 (Battery Cable)	1
	7482-7200	Die Set 32-71 (4GLP)	1
PCM/PCS FERRULES	7482-7201	Die Set 32-72 (6GLP)	1
	7482-7202	Die Set 32-73 (8GLP)	1
	7482-7203	Die Set 32-74 (10GLP)	1
	7482-7204	Die Set 32-75 (12GLP)	1
MEGACRIMP COUPLINGS	7482-7149	Die Set 32-81 (12GL)	1
	7482-7150	Die Set 32-82 (16GL)	1
	7482-7151	Die Set 32-83 (20GL)	1
	7482-7152	Die Set 32-84 (24GL)	1
POWER CRIMP COUPLINGS	7482-7153	Die Set 32-85 (32GL)	1
	7482-7154	Die Set 32-86 (40GL)	1
	7482-7138	Die Set 32-310L	1
	7482-7139	Die Set 32-311	1
LOW PRESSURE COUPLINGS	7482-7140	Die Set 32-312	1
	7482-7141	Die Set 32-313	1
	7482-7142	Die Set 32-314	1
	7482-7156	Die Set 32-331 (Clamp Collars)	1
POLARSEAL COUPLINGS	7482-1420	Die Set 32-3335 (LG)	1
	7482-1421	Die Set 32-3436 (LG)	1
	7482-1419	Die Set 32-3234 LG	1
C14 COUPLINGS	7482-7209	Die Set 32-20	1

GC32-XD Parts



	Prod. No.	Descr.	Std. Pack
QUICK DISCONNECT COUPLERS	7482-7198	Allen Key 4MM	1
	3663-5161	Hose Assembly	260
NEW BALL VALVES	7482-7197	Allen Key 6MM	1
	7482-7194	Back Press. Cont. Cartridge	1
ACCESSORIES	7482-7175	Breather Cap	1
	7482-7195	Breather Element	1
	7482-7208	Control Box CSA	1
	7481-0044	Power Unit	1
EQUIPMENT AND PARTS	7482-7115	Control Panel Post	1





GC32-XD Parts - Cont'd

Prod. No.	Descr.	Std. Pack
7482-7189	M5X10 Button Cap Screw	1
7482-7188	Dial Vernier Locking Plate	1
7482-7105	Dial Vernier	1
7482-7207	GC32-XD Die Retention Plates	2
7482-7124	Die Tubs	1
7482-7119	Foam Fillers	8
7482-7111	Foot Pedal	1
7482-7176	Fuses	2
7482-7108	GC32-XD Depth Stop	1
7482-7181	Long Mtg Bolts (Head)	2
7482-7100	GC32-XD Head Replacement Kit	1
7482-7126	Head Seal	1
7482-7192	Inner Washer (Cont. Panel)	1
7482-7118	Kicker Adaptor	1
7482-7179	Kickers	1
7482-7187	Kicker Replmt Tool Kit	1
7482-7117	Kicker Tubing (Lower)	1
7482-7116	Kicker Tubing (Upper)	1
7482-7109	Mirror	1
7482-7106	Short Mtg Bolts (Head)	2
7481-0043	Pump Repl Kit GC32	1
7482-7196	Oil Filter Element	1
7482-7190	Outer Washer (Cont. Panel)	1
7482-7101	Panel Replacement Kit	1
7482-7103	Pilot Operated Check	1
7482-7113	Control Panel Screws	2
7482-7186	Pump Bolts	4
7482-7104	Quick Change Tool	1
7482-7182	Rack Bolts (4)	4
7482-7183	Rack Nuts (4)	4
7482-7193	Relief Valve	1
7482-7110	Reservoir Deck Screws	16
7482-7112	GC32-XD Startup Tool Kit	1
7482-7180	2 Position 3-Way Solenoid	1
7482-7102	Valve Block Adapters	1
7482-7114	Dial Vernier A.H. Wrench	1

EQUIPMENT

HOSE/CPLG.
SELECTIONGLOBALSPIRAL
COUPLINGSPCM/PCS
FERRULESMEGACRIMP
COUPLINGSPOWER
CRIMP
COUPLINGSLOW
PRESSURE
COUPLINGSPOLARSEAL
COUPLINGSC14
COUPLINGSPCTS
THERMO-
PLASTIC
COUPLINGSFIELD
ATTACHABLE
G1 & G2
COUPLINGSFIELD
ATTACHABLE
C5
COUPLINGSSURELOK AIR
BRAKE
COUPLINGSQUICK
DISCONNECT
COUPLERSNEW BALL
VALVES

ACCESSORIES

EQUIPMENT
AND PARTS



Equipment and Parts

MobileCrimp® 4-20 Crimper and Pumps



	Prod. No.	Descr.	Std. Pack
LOW PRESSURE COUPLINGS	7481-0035	1 1/2HP, 115V - Pump	1
	7481-0034	1/2HP, 115V - Pump	1
POLARSEAL COUPLINGS	7481-0033	1/4HP, 115V - Pump	1
	7481-0037	1/4HP, 12VDC Pump	1
	7481-0006	2 Stage Hand Pump	1
	7481-0000	Shop Air Pump HD	1
C14 COUPLINGS	7480-0051	Digital Dial Crimper	1
	7480-0050	Positive Stop Crimper	1
	7481-0002	Shop Air Pump	1

MobileCrimp® 4-20 Dies



	Prod. No.	Descr.	Std. Pack
SURELOK AIR BRAKE COUPLINGS	7482-1400	Die Set (MC20)	1
	7482-1220	Die Set (MC21)	1
	7482-1221	Die Set (MC22)	1
	7482-1131	Die Set (MC31)	1
QUICK DISCONNECT COUPLERS	7482-1132	Die Set (MC32)	1
	7482-1133	Die Set (MC33)	1
	7482-1134	Die Set (MC34)	1
	7482-1135	Die Set (MC35)	1
NEW BALL VALVES	7482-1136	Die Set (MC36)	1
	7482-1137	Die Set (MC37)	1
	7482-1138	Die Set (MC38)	1
ACCESSORIES	7482-1139	Die Set (MC39)	1
	7482-1140	Die Set (MC40) for 6AC	1
	7482-1141	Die Set (MC41) for 8AC	1
	7482-1142	Die Set (MC42) for 10AC	1
EQUIPMENT AND PARTS	7482-1143	Die Set (MC43) for 12AC	1





MobileCrimp® 4-20 Dies - Cont'd

Prod. No.	Descr.	Std. Pack
7482-1144	Die Set (MC44) for Power Steering	1
7482-1145	Die Set (MC45) for Grease Fitting	1
7482-1273	Die Set (MC47)	1
7482-1344	Die Set (MC71)	1
7482-1345	Die Set (MC72)	1
7482-1356	Die Set (MC73)	1
7482-1357	Die Set (MC74)	1
7482-1358	Die Set (MC75)	1
7482-1227	Die Set (MC81) for GL	1
7482-1228	Die Set (MC82) for GL	1
7482-1229	Die Set (MC83) for GL	1
7482-0981	Die Set (MCC3) for Clamp Collars	1
7482-0982	Die Set (MCC4) for Clamp Collars	1

MobileCrimp® 4-20 Parts



Prod. No.	Descr.	Std. Pack
3663-6922	8' Hose Assy MC4-20	250
7482-1102	B1 Spacer, PS	1
7482-1105	B2 Spacer, PS	1
7482-1108	B3 Spacer, PS	1
7482-1111	B4 Spacer, PS	1
7482-1114	B5 Spacer, PS	1
7482-1117	Ball Plunger for Top of Cylinder	1
7482-1168	Cable Assy. for DD	1
7482-1165	Chain for Locking Pin	1
7482-1098	Computer Cable	1
7482-1016	Computer Crimp Control Box	1
7482-1099	Computer Power Module	1
7482-1037	Cover Plate	1
7482-1166	DD Cntrl, Top w/Base	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Equipment and Parts



MobileCrimp® 4-20 Parts - Cont'd

Prod. No.	Descr.	Std. Pack
7482-1171	Top Mount DD Controller	1
7482-1015	Digital Dial/Computer Pressure Plate	1
7482-1170	DD Top Mt Contrl Kit (side to top mount)	1
7482-1148	Link	1
7482-1000	Magnet for Handling Die Sets	1
7482-1147	Spring	1
7482-1100	Digital Dial Assy. Kit (To Upgrade PS)	1
7482-1017	Hose Assy.	1
7482-1097	Knob for Digital Dial	1
7482-1164	Locking Pin	1
7482-1012	Pivot Knob	1
7482-1006	Pivot Spacer	1
7482-1128	Spacer for Power Steering Die For Old PS-188 Hose	1
7482-1013	Positive Stop Pressure Plate	1
7482-1279	PS Spacer (Blue) Replaces 78498	1
7482-1036	Pusher	1
7482-1104	R1 Spacer, PS	1
7482-1107	R2 Spacer, PS	1
7482-1110	R3 Spacer, PS	1
7482-1113	R4 Spacer, PS	1
7482-1116	R5 Spacer, PS	1
7482-1190	Retaining Ring for Piston	1
7482-1027	Rubber Die Ring	1
7482-1041	Seal Kit Includes: Seal, Washer and Backup Ring	1
7482-1149	Shoulder Screws	1
7482-1157	Slydring for Piston	1
7482-1009	Stand Clamp	1
7482-1005	Stand	1
7482-1163	Tall Handle for DD	1
7482-1120	Vinyl Cover for Crimper	1
7482-1103	W1 Spacer, PS	1
7482-1106	W2 Spacer, PS	1
7482-1109	W3 Spacer, PS	1
7482-1112	W4 Spacer, PS	1
7482-1115	W5 Spacer, PS	1

EQUIPMENT

HOSE/CPLG.
SELECTIONGLOBALSPIRAL
COUPLINGSPCM/PCS
FERRULESMEGACRIMP
COUPLINGSPOWER
CRIMP
COUPLINGSLOW
PRESSURE
COUPLINGSPOLARSEAL
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Power Crimp® 707 Crimper and Pumps



Prod. No.	Descr.	Std. Pack
7481-0023	Pump 115V/1HP/60 Cycle	1
7481-0028	Pump 230V/1HP/60 Cycle	1
7480-0046	PC707ND (No Dies) - 230 Volt	1
7480-0043	PC707ND (No Dies)	1
7480-0049	PC707ND (No Dies) w/Brackets	1

Power Crimp® 707 Dies



Prod. No.	Descr.	Std. Pack
7482-1122	CC-7C3 Die Set for Clamp Collar	1
7482-1123	CC-7C4 Die Set for Clamp Collar	1
7482-1364	Die Set 718M	1
7482-0920	Die Set 720 (Requires No Notch Cone)	1
7482-1401	Die Set 720S	1
7482-1217	Die Set 721	1
7482-1218	Die Set 722	1
7482-1327	Die Set 722M	1
7482-0931	Die Set 731	1
7482-0932	Die Set 732	1
7482-0933	Die Set 733	1
7482-0934	Die Set 734	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBAL SPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

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Equipment and Parts

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
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LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Power Crimp® 707 Dies - Cont'd

Prod. No.	Descr.	Std. Pack
7482-0935	Die Set 735	1
7482-0936	Die Set 736	1
7482-0937	Die Set 737	1
7482-0939	Die Set 739	1
7482-0947	Die Set 740 (6ACA)	1
7482-0941	Die Set 741 (8ACA)	1
7482-0942	Die Set 742 (10ACA)	1
7482-0943	Die Set 743 (12ACA)	1
7482-0944	Die Set 744 (Power Steering)	1
7482-0945	Die Set 745 (Grease Fitting)	1
7482-0946	Die Set 746 (Replaces 'B' Die)	1
7482-1347	Die Set 771	1
7482-1348	Die Set 772	1
7482-1359	Die Set 773	1
7482-1360	Die Set 774	1
7482-1361	Die Set 775	1
7482-1231	Die Set 781 for GL	1
7482-1232	Die Set 782 for GL	1
7482-1233	Die Set 783 for GL	1

Power Crimp® 707 Parts



Prod. No.	Descr.	Std. Pack
7482-0747	115V Cord Assy for Digital Readout	1
7482-0498	230V Cord Assy. for Digital Readout	1
7482-0229	Actuator Rod	1
7482-0110	Base Plate (Machine)	1
7482-0116	Cylinder and Top Plate	1
7482-0789	Die Cage Halves (Set of 2) for 700 Series	1
7482-0940	Die Cage Halves for 739	1
7482-0297	Die Cone (No Notch)	1
7482-0239	Die Cone With Notch	1
7482-0280	Digital Readout Meter	1
7482-0291	Magnet for Removing Dies	1
7482-0442	Microswitch	1
7482-3011	3 oz. Jar Molykote G Die Lubricant	1
7482-0119	Mounting Bracket	1





Power Crimp® 707 Parts - Cont'd

Prod. No.	Descr.	Std. Pack
7480-6591	PC703 to PC707 Conversion Kit	1
7482-0289	Hose Assy. (Pump to Crimper)	1
7482-1095	707 Seal Kit for New Aluminum Piston Serial Nos. 14,000 and Up	1
7482-0122	707 Seal Kit for Serial #'s Below 14,000	1
7482-0283	Shroud Only PC707	1
7482-0147	O Ring Between Piston & Rod	1
7482-6959	Piston Return Spring	1
7482-0106	Piston Rod	1
7482-0109	Piston Rod Guide	1
7482-0105	Piston New Design (Seals Included)	1
7482-0112	Pusher Cup (update design)	1
7482-1672	Screw for Die Fingers	1
7482-1215	Silver Die Back Up Ring	1
7482-0118	Spring Anchor	1
7482-0919	Stainless Steel Washer	1
7482-0277	Switch Box Complete w/115V Cord Assy.	1
7482-0054	Crimp Switch Button for PC603/PC707	1
7482-0111	Tie Rod	1
7482-0243	Tie Rod Nut	1

Power Crimp® 707 Swager Kit and Parts



Prod. No.	Descr.	Std. Pack
7482-0482	Actuator Rod	1
7482-0433	Adapter Assy.	1
7482-0429	Collar	1
7482-0430	Cone	1
7483-0300	G 302 1/8" Pusher Die	1
7483-0301	G 303 3/16" Pusher Die	1
7483-0302	G 304 1/4" Pusher Die	1
7483-0303	G 305 5/16" Pusher Die	1
7483-0304	G 306 3/8" Pusher Die	1
7483-0305	G 308 1/2" Pusher Die	1
7483-0306	G 312 3/4" Pusher Die	1
7483-0307	G 316 1" Pusher Die	1
7483-0358	GF002 Female Pusher Cup	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

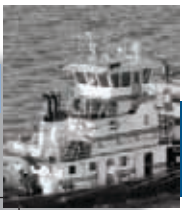
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





Equipment and Parts

Power Crimp® 707 Swager Kit and Parts - Cont'd

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Prod. No.	Descr.	Std. Pack
7483-0332	GF003 Female Pusher Cup	1
7483-0359	GF004 Female Pusher Cup	1
7483-0355	GF005 Female Pusher Cup	1
7483-0333	GF006 Female Pusher Cup	1
7483-0334	GF008 Female Pusher Cup	1
7483-0335	GF009 Female Pusher Cup	1
7483-0362	GF010 Female Pusher Cup	1
7483-0336	GF011 Female Pusher Cup	1
7483-0337	GF012 Female Pusher Cup	1
7483-0338	GF013 Female Pusher Cup	1
7483-0339	GF014 Female Pusher Cup	1
7483-0340	GF015 Female Pusher Cup	1
7483-0341	GF016 Female Pusher Cup	1
7483-0361	GF017 Female Pusher Cup	1
7483-0308	GM001 Male Pusher Cup	1
7483-0309	GM002 Male Pusher Cup	1
7483-0310	GM003 Male Pusher Cup	1
7483-0311	GM004 Male Pusher Cup	1
7483-0312	GM005 Male Pusher Cup	1
7483-0367	GM006 Male Pusher Cup	1
7483-0356	GM007 Male Pusher Cup	1
7483-0357	GM008 Male Pusher Cup	1
7483-0313	GM009 Male Pusher Cup	1
7483-0314	GM010 Male Pusher Cup	1
7483-0315	GM011 Male Pusher Cup	1
7483-0316	GM012 Male Pusher Cup	1
7483-0317	GM013 Male Pusher Cup	1
7483-0319	GM023 Male Pusher Cup	1
7483-0363	GM062 Male Pusher Cup	1
7483-0346	GT204 Bent Tube Pusher Cup	1
7483-0347	GT205 Bent Tube Pusher Cup	1
7483-0364	GT206 Bent Tube Pusher Cup	1
7483-0366	GT308 Bent Tube Pusher Cup	1
7483-0368	GT310 Bent Tube Pusher Cup	1
7483-0351	GT312 Bent Tube Pusher Cup	1
7483-0541	P-C14-10FJSX	1
7483-0534	P-C14-10TUBE	1
7483-0542	P-C14-12FJX	1
7483-0543	P-C14-12FSX	1
7483-0548	P-C14-12MP-12ABC	1
7483-0553	P-C14-12TBFLX	1
7483-0521	P-C14-12TUBE	1
7483-0522	P-C14-12TUBE-JS	1
7483-0544	P-C14-16FJSX	1
7483-0549	P-C14-16MP	1
7483-0554	P-C14-16TBFLX	1
7483-0580	P-C14-16TUBE-JS	1
7483-0550	P-C14-2MP	1
7483-0536	P-C14-4FJSX	1
7483-0545	P-C14-4MP	1
7483-0530	P-C14-4TUBE	1
7483-0537	P-C14-5FJSX	1
7483-0531	P-C14-5TUBE	1
7483-0538	P-C14-6FJX	1
7483-0539	P-C14-6FSX	1





Power Crimp® 707 Swager Kit and Parts - Cont'd

Prod. No.	Descr.	Std. Pack
7483-0546	P-C14-6MP	1
7483-0552	P-C14-6TBFLX	1
7483-0532	P-C14-6TUBE	1
7483-0540	P-C14-8FJSX	1
7483-0547	P-C14-8MP-8&10ABC	1
7483-0533	P-C14-8TUBE	1
7480-0040	PC707 Swager Kit	1
7483-0513	SD-4C14	1
7483-0514	SD-5C14	1
7483-0515	SD-6C14	1
7483-0516	SD-8C14	1
7483-0517	SD-10C14	1
7483-0518	SD-12C14	1
7483-0519	SD-16C14	1
7482-1253	Spacer for Collar Serial #'s above 18555-use w/Silver Backup Ring	1

OmniCrimp® 21 Dies



Prod. No.	Descr.	Std. Pack
7482-0728	Die Set (OM10AC)	1
7482-0729	Die Set (OM12AC)	1
7482-1370	Die Set (OM18M)	1
7482-1222	Die Set (OM21)	1
7482-1223	Die Set (OM22)	1
7482-1371	Die Set (OM22M)	1
7482-0718	Die Set (OM301)	1
7482-1156	Die Set (OM310L)	1
7482-0721	Die Set (OM311)	1
7482-0677	Die Set (OM312)	1
7482-0722	Die Set (OM313)	1
7482-0723	Die Set (OM314)	1
7482-0730	Die Set (OM31BK)	1
7482-0731	Die Set (OM32BK)	1
7482-0733	Die Set (OM331)	1
7482-0732	Die Set (OM33BK)	1
7482-0672	Die Set (OM34)	1
7482-0673	Die Set (OM35)	1
7482-0674	Die Set (OM36)	1
7482-0716	Die Set (OM37)	1
7482-0675	Die Set (OM38)	1
7482-0717	Die Set (OM39)	1
7482-1263	Die Set (OM44)	1
7482-0726	Die Set (OM6AC)	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



Equipment and Parts



OmniCrimp® 21 Dies - Cont'd

Prod. No.	Descr.	Std. Pack
7482-1372	Die Set (OM71)	1
7482-1373	Die Set (OM72)	1
7482-1374	Die Set (OM73)	1
7482-1375	Die Set (OM74)	1
7482-1376	Die Set (OM75)	1
7482-1241	Die Set (OM81) for GL	1
7482-1242	Die Set (OM82) for GL	1
7482-1243	Die Set (OM83) for GL	1
7482-1244	Die Set (OM84) for GL	1
7482-1245	Die Set (OM85) for GL	1
7482-0727	Die Set (OM8AC)	1
7482-1402	Die Set (OM20)	1

OmniCrimp® 21 Parts



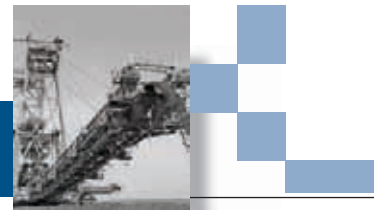
Prod. No.	Descr.	Std. Pack
7482-0660	Control Panel	1
7482-0662	Depth Stop Old Style	1
7482-0678	Die-Holder Can	1
7482-0679	Die Loader	1
7482-0647	Die Shoes Detente Ball & Spring	1
7482-0666	Die Spring	1
7482-0680	Foot Switch	1
7482-0694	Front End Assembly	1
7482-0682	Hyd. Power Unit	1
7482-0654	Hydraulic Ram	1
7482-0695	Loading Tool	1
7482-0792	Omni Depth Stop (Serial Numbers 2000 and up)	1
7482-2350	Omni Detente Wrench	1
7482-0643	Optical Encoder	1
7482-0681	Shroud	1
7480-2099	Steel Stand	1
7482-2395	Vinyl Cover for Omni	1

EQUIPMENT

HOSE/CPLG.
SELECTIONGLOBALSPIRAL
COUPLINGSPCM/PCS
FERRULESMEGACRIMP
COUPLINGSPOWER
CRIMP
COUPLINGSLOW
PRESSURE
COUPLINGSPOLARSEAL
COUPLINGSC14
COUPLINGSPCTS
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PLASTIC
COUPLINGSFIELD
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ATTACHABLE
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COUPLINGSSURELOK AIR
BRAKE
COUPLINGSQUICK
DISCONNECT
COUPLERSNEW BALL
VALVES

ACCESSORIES

EQUIPMENT
AND PARTS



Power Crimp® 3000B Crimper and Pumps



Prod. No.	Descr.	Std. Pack
7481-0026	Pump 115V/2HP/60 Cycle	1
7480-0044	PC3000BND (No Dies)	1
7481-0016	Pump 230V/3HP/3 Phase	1
7481-0014	Pump 230V/3HP/Single Phase	1
7481-0013	Pump 440V/3HP/3 Phase	1

Power Crimp® 3000B Parts



Prod. No.	Descr.	Std. Pack
7482-1363	Die Set (18M)	1
7482-1362	Die Set (22M)	1
7482-6955	Depth Stop Adj. Screw for PC3000B	1
7482-3179	Adjmt. Knob for PC3000A/B	1
7482-6327	Coil - 115V for Assy.	1
7482-2758	Crimp Sw. for PC3000A/B	1
7482-6968	Cyl. Base for PC3000B	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





Equipment and Parts

Power Crimp® 3000B Parts - Cont'd

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Prod. No.	Descr.	Std. Pack
7482-0009	Depth Stop Loc Kit for PC3000A/B	1
7482-6964	Depth Stop for PC3000B	1
7482-0418	Die Cage for PC3000A/B	1
7482-6967	Die Cone for PC3000B	1
7482-0194	Magnet for Removing Die Fingers	1
7482-0552	Die Set (10AC)	1
7482-0553	Die Set (12AC)	1
7482-1224	Die Set (21)	1
7482-1225	Die Set (22)	1
7482-6514	Die Set (30)	1
7482-5009	Die Set (301)	1
7482-6833	Die Set (302)	1
7482-6515	Die Set (31)	1
7482-1127	Die Set (310L) Replaced (310)	1
7482-7023	Die Set (311)	1
7482-7029	Die Set (312)	1
7482-6523	Die Set (313)	1
7482-0298	Die Set (314)	1
7482-6516	Die Set (32)	1
7482-6517	Die Set (33)	1
7482-6518	Die Set (34)	1
7482-6519	Die Set (35)	1
7482-6520	Die Set (36)	1
7482-6582	Die Set (37)	1
7482-6521	Die Set (38)	1
7482-7011	Die Set (39)	1
7482-0550	Die Set (6AC)	1
7482-1234	Die Set (81) for GL	1
7482-1235	Die Set (82) for GL	1
7482-1236	Die Set (83) for GL	1
7482-1237	Die Set (84) for GL	1
7482-1238	Die Set (85) for GL	1
7482-0551	Die Set (8AC)	1
3663-2060	Hose Assembly	1
7482-2765	Microswitch for Switch Box	1
7482-6954	Piston for PC3000B	1
7482-6960	Ram Stop for PC3000B	1
7482-6950	Seal Kit for PC3000B	1
7482-6958	Spacer, Depth Stop Ang. for PC3000B	1
7482-6965	Spring Anchor for PC3000B (Bottom)	1
7482-6963	Spring Anchor for PC3000B (Top)	1
7482-6274	Spring Depth Stop PC3000B	1
7482-6315	Stop Adjmt. Screw for PC3000A	1
7482-6969	Sw. Box Assy. for PC3000B	1
7482-6961	Tie Rod for PC3000B	1
7482-4368	Toggle Sw. for PC3000A/B	1
7482-4357	Top Plate for PC3000A/B	1





PolarSeal® Hose Portable Crimper



Prod. No.	Descr.	Std. Pack
7480-6599	PolarSeal II Portable Crimper	1

PolarSeal® Hose Portable Crimper Parts



Prod. No.	Descr.	Std. Pack
7482-1046	1/4 - 20 X 5/8 Screw	1
7482-1053	3/16" X 1 Roll Pin	1
7482-1052	3/16" X 1/2 Roll Pin	1
7482-1075	3/8 Floor Flange	1
7482-1074	3/8 X 4 Pipe Nipple	1
7482-1071	5/32 Short Arm Hex Key	1
7482-1060	No. 6 Black Die Carrier	1
7482-1058	No. 6 Crimp Die	1
7482-1059	No. 6 Die Segment	1
7482-1064	No. 8 Blue Die Carrier	1
7482-1062	No. 8 Crimp Die	1
7482-1063	No. 8 Die Segment	1
7482-1065	No. 10 Crimp Die	1
7482-1066	No. 10 Die Segment	1
7482-1067	No. 10 Green Die Carrier	1

EQUIPMENT

HOSE/CPLG.
SELECTIONGLOBALSPIRAL
COUPLINGSPCM/PCS
FERRULESMEGACRIMP
COUPLINGSPOWER
CRIMP
COUPLINGSLOW
PRESSURE
COUPLINGSPOLARSEAL
COUPLINGSC14
COUPLINGSPCTS
THERMO-
PLASTIC
COUPLINGSFIELD
ATTACHABLE
G1 & G2
COUPLINGSFIELD
ATTACHABLE
C5
COUPLINGSSURELOK AIR
BRAKE
COUPLINGSQUICK
DISCONNECT
COUPLERSNEW BALL
VALVES

ACCESSORIES

EQUIPMENT
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Equipment and Parts

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

PolarSeal® Hose Portable Crimper Parts - Cont'd

Prod. No.	Descr.	Std. Pack
7482-1070	No. 12 Clear Die Carrier	1
7482-1068	No. 12 Crimp Die	1
7482-1069	No. 12 Die Segment	1
7482-1044	Actuator Bar	1
7482-1056	Actuator Screw	1
7482-1076	Carry Case, Polars	1
7482-1045	Die Guide Block	1
7482-1049	Latch Plate	1
7482-1051	Lock Screw	1
7482-1048	Moveable Die Holder	1
7482-1047	Removable Die Holder	1
7482-1055	Rubber Bumper	1
7482-1050	Spring	1
7482-1057	Strain Rod	1
7482-1073	Teflon Grease	1
7482-1054	Thrust Bushing	1
7482-1061	Woodruff Key	1

Frosted Air Brake Labels



Prod. No.	Descr.	Std. Pack
7484-0023	Frosted Air Brake Labels	1

MegaCrimp® Insertion Tool



Prod. No.	Descr.	Std. Pack
7482-1342	MegaCrimp Insertion Tool	1





C14 Hose Cutting Shear - Recommended for Teflon® Hose



Prod. No.	Descr.	Std. Pack
7480-6596	Hose Cutting Shear for C14 Hose	1

† *Teflon® is a Registered Trademark of DuPont.

C14 Hose Insertion Die Holder - For use with Hose Insertion Dies



Prod. No.	Descr.	Std. Pack
7483-0511	Hose Insert. Fixture	1
7483-0510	Hose Insert. Die Holder	1

C14 Dies



Prod. No.	Descr.	Std. Pack
7483-0503	HD-4C14	1
7483-0504	HD-5C14	1
7483-0505	HD-6C14	1
7483-0506	HD-8C14	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

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Equipment and Parts



EQUIPMENT

HOSE/CPLG.
SELECTION

GLOBALSPIRAL
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PCM/PCS
FERRULES

MEGACRIMP
COUPLINGS

POWER
CRIMP
COUPLINGS

LOW
PRESSURE
COUPLINGS

POLARSEAL
COUPLINGS

C14
COUPLINGS

PCTS
THERMO-
PLASTIC
COUPLINGS

FIELD
ATTACHABLE
G1 & G2
COUPLINGS

FIELD
ATTACHABLE
C5
COUPLINGS

SURELOK AIR
BRAKE
COUPLINGS

QUICK
DISCONNECT
COUPLERS

NEW BALL
VALVES

ACCESSORIES

EQUIPMENT
AND PARTS

C14 Dies - Cont d

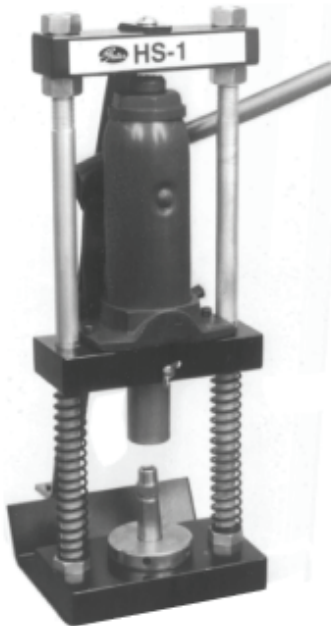
Prod. No.	Descr.	Std. Pack
7483-0507	HD-10C14	1
7483-0508	HD-12C14	1
7483-0509	HD-16C14	1

C14 Hose Expanders



Prod. No.	Descr.	Std. Pack
7483-0555	HE-4C14	1
7483-0556	HE-5C14	1
7483-0557	HE-6C14	1
7483-0558	HE-8C14	1
7483-0559	HE-10C14	1
7483-0560	HE-12C14	1
7483-0561	HE-16C14	1

Gates HS-1 Hand Swager



Prod. No.	Descr.	Std. Pack
7482-0482	Actuator Rod	1
7482-0433	Adapter Assy.	1
7482-0429	Collar	1





Gates HS-1 Hand Swager - Cont'd

Prod. No.	Descr.	Std. Pack
7482-0430	Cone	1
7483-0300	G 302 1/8" Pusher Die	1
7483-0301	G 303 3/16" Pusher Die	1
7483-0302	G 304 1/4" Pusher Die	1
7483-0303	G 305 5/16" Pusher Die	1
7483-0304	G 306 3/8" Pusher Die	1
7483-0305	G 308 1/2" Pusher Die	1
7483-0306	G 312 3/4" Pusher Die	1
7483-0307	G 316 1" Pusher Die	1
7483-0358	GF002 Female Pusher Cup	1
7483-0332	GF003 Female Pusher Cup	1
7483-0359	GF004 Female Pusher Cup	1
7483-0355	GF005 Female Pusher Cup	1
7483-0333	GF006 Female Pusher Cup	1
7483-0334	GF008 Female Pusher Cup	1
7483-0335	GF009 Female Pusher Cup	1
7483-0362	GF010 Female Pusher Cup	1
7483-0336	GF011 Female Pusher Cup	1
7483-0337	GF012 Female Pusher Cup	1
7483-0338	GF013 Female Pusher Cup	1
7483-0339	GF014 Female Pusher Cup	1
7483-0340	GF015 Female Pusher Cup	1
7483-0341	GF016 Female Pusher Cup	1
7483-0361	GF017 Female Pusher Cup	1
7483-0308	GM001 Male Pusher Cup	1
7483-0309	GM002 Male Pusher Cup	1
7483-0310	GM003 Male Pusher Cup	1
7483-0311	GM004 Male Pusher Cup	1
7483-0312	GM005 Male Pusher Cup	1
7483-0367	GM006 Male Pusher Cup	1
7483-0356	GM007 Male Pusher Cup	1
7483-0357	GM008 Male Pusher Cup	1
7483-0313	GM009 Male Pusher Cup	1
7483-0314	GM010 Male Pusher Cup	1
7483-0315	GM011 Male Pusher Cup	1
7483-0316	GM012 Male Pusher Cup	1
7483-0317	GM013 Male Pusher Cup	1
7483-0319	GM023 Male Pusher Cup	1
7483-0363	GM062 Male Pusher Cup	1
7483-0346	GT204 Bent Tube Pusher Cup	1
7483-0347	GT205 Bent Tube Pusher Cup	1
7483-0364	GT206 Bent Tube Pusher Cup	1
7483-0366	GT308 Bent Tube Pusher Cup	1
7483-0368	GT310 Bent Tube Pusher Cup	1
7483-0351	GT312 Bent Tube Pusher Cup	1
7483-1000	HS-1 Hand Swager	1
7483-0541	P-C14-10FJSX	1
7483-0534	P-C14-10TUBE	1
7483-0542	P-C14-12FJX	1
7483-0543	P-C14-12FSX	1
7483-0548	P-C14-12MP-12ABC	1
7483-0553	P-C14-12TBFLX	1
7483-0521	P-C14-12TUBE	1
7483-0522	P-C14-12TUBE-JS	1
7483-0544	P-C14-16FJSX	1

EQUIPMENT
HOSE/CPLG. SELECTION
GLOBALSPIRAL COUPLINGS
PCM/PCS FERRULES
MEGACRIMP COUPLINGS
POWER CRIMP COUPLINGS
LOW PRESSURE COUPLINGS
POLARSEAL COUPLINGS
C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS





Equipment and Parts

Gates HS-1 Hand Swager - Cont'd

	Prod. No.	Descr.	Std. Pack
EQUIPMENT	7483-0549	P-C14-16MP	1
	7483-0554	P-C14-16TBFLX	1
	7483-0580	P-C14-16TUBE-JS	1
HOSE/CPLG. SELECTION	7483-0550	P-C14-2MP	1
	7483-0536	P-C14-4FJSX	1
	7483-0545	P-C14-4MP	1
GLOBALSPIRAL COUPLINGS	7483-0530	P-C14-4TUBE	1
	7483-0537	P-C14-5FJSX	1
	7483-0531	P-C14-5TUBE	1
PCM/PCS FERRULES	7483-0538	P-C14-6FJX	1
	7483-0539	P-C14-6FSX	1
	7483-0546	P-C14-6MP	1
MEGACRIMP COUPLINGS	7483-0552	P-C14-6TBFLX	1
	7483-0532	P-C14-6TUBE	1
	7483-0540	P-C14-8FJSX	1
POWER CRIMP COUPLINGS	7483-0547	P-C14-8TUBE	1
	7483-0533	P-C14-8MP-8&10ABC	1
	7483-0513	SD-4C14	1
LOW PRESSURE COUPLINGS	7483-0514	SD-5C14	1
	7483-0515	SD-6C14	1
	7483-0516	SD-8C14	1
POLARSEAL COUPLINGS	7483-0517	SD-10C14	1
	7483-0518	SD-12C14	1
	7483-0519	SD-16C14	1
C14 COUPLINGS	7482-1253	Spacer for Collar #'s above 18555-use w/Silver Backup Ring	1
PCTS THERMO-PLASTIC COUPLINGS			
FIELD ATTACHABLE G1 & G2 COUPLINGS			
FIELD ATTACHABLE C5 COUPLINGS			
SURELOK AIR BRAKE COUPLINGS			
QUICK DISCONNECT COUPLERS			
NEW BALL VALVES			
ACCESSORIES			
EQUIPMENT AND PARTS			

Gates Hose Cutter Model 2-16



	Prod. No.	Descr.	Std. Pack
EQUIPMENT	7480-6601	Portable Saw	1
	7482-0003	Saw Blade	1
	7480-6602	Portable Saw Blade	1
HOSE/CPLG. SELECTION	7480-6603	Portable Saw Brush	1
	7482-0000	Saw Brushes for Motor	1
	7482-0004	2-16 Saw Replacement Motor	1
GLOBALSPIRAL COUPLINGS			
PCM/PCS FERRULES			
MEGACRIMP COUPLINGS			
POWER CRIMP COUPLINGS			
LOW PRESSURE COUPLINGS			
POLARSEAL COUPLINGS			
C14 COUPLINGS			
PCTS THERMO-PLASTIC COUPLINGS			
FIELD ATTACHABLE G1 & G2 COUPLINGS			
FIELD ATTACHABLE C5 COUPLINGS			
SURELOK AIR BRAKE COUPLINGS			
QUICK DISCONNECT COUPLERS			
NEW BALL VALVES			
ACCESSORIES			
EQUIPMENT AND PARTS			





Gates Hose Cutter Model 2-24



Prod. No.	Descr.	Std. Pack
7480-6600	2-24 Hose Cutter 1-1/2HP Motor 1/60/115v	1
7793-0113	8" Scalloped Blade for 2-24	1

Gates Hose Cutter Model 6-32



Prod. No.	Descr.	Std. Pack
7480-6597	6-32 Hose Cutter 3HP 1/60/230v w/Coolant Spray System	1
7480-6580	6-32 3 Phase Hose Cutter	1
7482-1329	10" Scalloped Blade for # 6-32	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

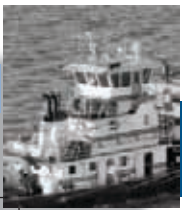
QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS





Equipment and Parts

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

Gates Power Cutter 207



Prod. No.	Descr.	Std. Pack
7480-6598	207 Hose Cutter w/4.2HP Motor	1
7482-0426	12" Abrasive Blade for #204, #205, #206, #207	1
7482-0983	12" Scalloped Blade for #204, #205, #206, #207	1

Hand Skiving Tools



Prod. No.	Descr.	Std. Pack
7482-0410	Blade	1
7482-0412	Blade Hldr. w/Screws & Keys	1
7482-0421	Brace Assy.	1
7482-0411	Bracket w/Screws & Keys	1
7480-0413	Skiver Kit: Blade w/Holder, Bracket, Decal, Brace Assy., Brush	1
7482-0422	Brush	1





Hand Skiving Mandrels



Prod. No.	Descr.	Std. Pack
7482-0408	Mandrel 1 1/2"	1
7482-0407	Mandrel 1 1/4"	1
7482-0406	Mandrel 1"	1
7482-0403	Mandrel 1/2"	1
7482-0401	Mandrel 1/4"	1
7482-0409	Mandrel 2"	1
7482-0400	Mandrel 3/16"	1
7482-0402	Mandrel 3/8"	1
7482-0404	Mandrel 5/8"	1
7482-0405	Mandrel 3/4"	1

Hand-Held Hose Cutter



Prod. No.	Descr.	Std. Pack
7469-0153	Hand Held Hose Cutter (Red)	1
7469-0154	Repl Blade for Red Hose Cutter (91153)	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

MEGACRIMP COUPLINGS

POWER CRIMP COUPLINGS

LOW PRESSURE COUPLINGS

POLARSEAL COUPLINGS

C14 COUPLINGS

PCTS THERMO-PLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

QUICK DISCONNECT COUPLERS

NEW BALL VALVES

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EQUIPMENT

HOSE/CPLG.
SELECTION

GLOBALSPIRAL
COUPLINGS

PCM/PCS
FERRULES

MEGACRIMP
COUPLINGS

POWER
CRIMP
COUPLINGS

LOW
PRESSURE
COUPLINGS

POLARSEAL
COUPLINGS

C14
COUPLINGS

PCTS
THERMO-
PLASTIC
COUPLINGS

FIELD
ATTACHABLE
G1 & G2
COUPLINGS

FIELD
ATTACHABLE
C5
COUPLINGS

SURELOK AIR
BRAKE
COUPLINGS

QUICK
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ACCESSORIES

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Hand-Operated Hose Perforator Tool

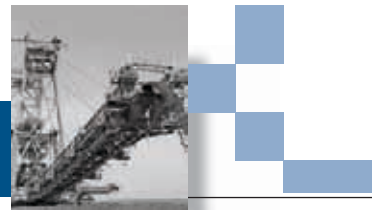


Prod. No.	Descr.	Std. Pack
7482-6565	1 1/4" Hose Perf. for 3/16" - 3/4" Hose	1
7482-6566	3" Hose Perf. for 1" - 2" Hose	1

Blade for Skil Saw



Prod. No.	Descr.	Std. Pack
7482-0099	8" Notched Blade for Skil Saw (7480-2500)	1



Power Mate 25 Machine and Stand



Prod. No.	Descr.	Std. Pack
7480-0029	Powermate 25 Reuse. Cplg. Mach.	1
7480-0030	Powermate 25 Stand	1

Hydraulic Coupling Cabinet, Thread Kits and Calipers



Prod. No.	Descr.	Std. Pack
7484-0021	2 Drawer Coupling Cabinet	1
7484-0014	3 1/2" Wide Bins w/3 Dividers (Carton of 10)	1
7484-0015	7" Wide Bins w/3 Dividers (Carton of 5)	1
7484-0007	24 Bin Cplg. Cabinet	1
7484-0010	Cplg. Cabinet w/4 Sliding Shelves	1
7484-0008	Cardboard Bin Box (Carton of 50)	1
7484-0009	Cardboard Bin Box-Lg 25	1
7484-0012	Hvy Duty Caster Leg Set	1
7369-0322	Digital Caliper 6" (Special Milled Hole)	1
7484-0016	Dividers for 3 1/2" Bin (4 per pkg.)	1
7484-0017	Dividers for 7" Bin (4 per pkg.)	1
7484-0019	Hydraulic Hose Reel Rack	1
7484-0020	Hydraulic Workbench	1
7369-0319	Intl. Thread I.D. Kit (Includes Pocket Kit 86584)	1
7369-4318	Pocket Thread I.D. Kit	1

EQUIPMENT

HOSE/CPLG.
SELECTIONGLOBALSPIRAL
COUPLINGSPCM/PCS
FERRULESMEGACRIMP
COUPLINGSPOWER
CRIMP
COUPLINGSLOW
PRESSURE
COUPLINGSPOLARSEAL
COUPLINGSC14
COUPLINGSPCTS
THERMO-
PLASTIC
COUPLINGSFIELD
ATTACHABLE
G1 & G2
COUPLINGSFIELD
ATTACHABLE
C5
COUPLINGSSURELOK AIR
BRAKE
COUPLINGSQUICK
DISCONNECT
COUPLERSNEW BALL
VALVES

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AND PARTS



Equipment and Parts

Hydraulic Coupling Cabinet, Thread Kits and Calipers - Cont'd

Prod. No.	Descr.	Std. Pack
7484-0213	QD Merchandiser (Replaces 78209)	1
7484-0000	Coupling Cabinet Slide	1
7484-0013	Shelf Kit for Crimper MC4-20	1
7484-0011	Stationary Leg Set	1
7484-0022	Vertical Hose Storage Cabinet (Optional Cabinet Base)	1

Lock-on-Tool and Parts



Prod. No.	Descr.	Std. Pack
7482-1072	Base	1
7482-0543	Clamp Cam	1
7482-2502	Compression Spring	1
7482-2585	Follower 1/2" and 5/8"	1
7482-2608	Follower Assy. 1/4"	1
7482-2612	Follower Assy. 3/4"	1
7482-2610	Follower Assy. 3/8"	1
7482-1603	Handle	1
7482-2070	Hose Clamp	1
7480-0100	Lock-On Tool	1
7482-2076	Mandrel 1/2" & 5/8"	1
7482-2788	Mandrel 1/4"	1
7482-2079	Mandrel 3/4"	1
7482-2789	Mandrel 3/8"	1
7482-2074	Mandrel Support	1

EQUIPMENT

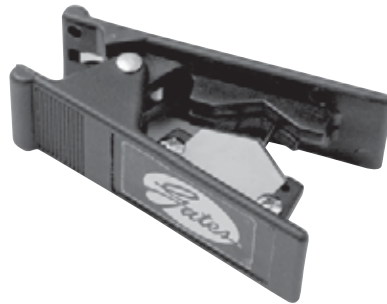
HOSE/CPLG.
SELECTIONGLOBALSPIRAL
COUPLINGSPCM/PCS
FERRULESMEGACRIMP
COUPLINGSPOWER
CRIMP
COUPLINGSLOW
PRESSURE
COUPLINGSPOLARSEAL
COUPLINGSC14
COUPLINGSPCTS
THERMO-
PLASTIC
COUPLINGSFIELD
ATTACHABLE
G1 & G2
COUPLINGSFIELD
ATTACHABLE
C5
COUPLINGSSURELOK AIR
BRAKE
COUPLINGSQUICK
DISCONNECT
COUPLERSNEW BALL
VALVES

ACCESSORIES

EQUIPMENT
AND PARTS



Small Nylon Tubing Cutter & Replacement Blades



Prod. No.	Descr.	Std. Pack
7208-40205	Blades for Hose Cutter	1
7208-40105	Tubing Cutter	1

Rebuilt Equipment



Prod. No.	Descr.	Std. Pack
7481-00357	1 1/2HP, 115V Pump MC4-20	1
7481-00347	1/2HP, 115V Pump MC4-20	1
7481-00377	1/4HP, 12VDC Pump MC4-20	1
7481-00147	E-H Pump PC3000B	1
7481-00027	Air Pump for MC4-20	1
7481-00067	Hand Pump for MC4-20	1
7481-00337	1/4HP, 115V - Pump	1
7480-00517	DD MC4-20 Refurb	1
7480-00507	PS MC4-20 Refurb	1
7480-00447	3000B No Dies	1
7480-00467	PC707ND (No Dies) - 230 Volt	1
7481-00237	E-H Pump PC707	1
7481-00287	E-H Pump 230V-707	1
7480-00437	PC707ND (No Dies)	1
7480-00497	PC707ND (No Dies) w/Brackets	1

EQUIPMENT

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Equipment and Parts

Finn Power Equipment Die Sets



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C14 COUPLINGS
PCTS THERMO-PLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 COUPLINGS
SURELOK AIR BRAKE COUPLINGS
QUICK DISCONNECT COUPLERS
NEW BALL VALVES
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Prod. No.	Descr.	Std. Pack
7482-1403	Die Set (FP400)	1
7482-1415	Die Set (FP3436)	1
7482-0966	Die Set (FP10AC)	1
7482-0967	Die Set (FP12AC)	1
7482-1331	Die Set (FP18M)	1
7482-0984	Die Set (FP21)	1
7482-1258	Short Die Set (FP85)	1
7482-0985	Die Set (FP22)	1
7482-1325	Die Set (FP22M)	1
7482-1259	Die Set (FP22S)	1
7482-0968	Die Set (FP24C4)	1
7482-0971	Die Set (FP30)	1
7482-0963	Die Set (FP301)	1
7482-0973	Die Set (FP302)	1
7482-0972	Die Set (FP304)	1
7482-0950	Die Set (FP31)	1
7482-1129	Die Set (FP310L)	1
7482-0960	Die Set (FP311)	1
7482-0961	Die Set (FP312)	1
7482-0962	Die Set (FP313)	1
7482-0970	Die Set (FP314)	1
7482-0951	Die Set (FP32)	1
7482-1406	Die Set (FP3234)	1
7482-0969	Die Set (FP32C4)	1
7482-0952	Die Set (FP33)	1
7482-1405	Die Set (FP3335)	1
7482-0953	Die Set (FP34)	1
7482-0954	Die Set (FP35)	1
7482-0955	Die Set (FP36)	1
7482-0956	Die Set (FP37)	1
7482-0958	Die Set (FP39)	1
7482-0964	Die Set (FP6AC)	1
7482-1248	Die Set (FP81)	1
7482-1249	Die Set (FP82)	1
7482-1250	Die Set (FP83)	1
7482-1251	Die Set (FP84)	1
7482-1252	Die Set (FP85)	1
7482-0974	Die Set (FP86)	1
7482-0975	Die Set (FP87)	1
7482-0976	Die Set (FP88)	1
7482-0977	Die Set (FP89)	1
7482-0965	Die Set (FP8AC)	1
7482-1281	Die Set (FP91)	1





Uniflex Equipment Die Sets



Prod. No.	Descr.	Std. Pack
7482-1382	Die Set (21)	1
7482-1383	Die Set (22)	1
7482-1393	Die Set (310)	1
7482-1394	Die Set (311)	1
7482-1386	Die Set (33)	1
7482-1387	Die Set (34)	1
7482-1388	Die Set (35)	1
7482-1390	Die Set (37)	1
7482-1392	Die Set (39)	1

MegaClean™ Launcher Kits

Description: 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.



Prod. No.	Descr.	Std. Pack
7467-0003	MegaClean Bench Mount Kit -20	1
7467-0000	MegaClean Starter Kit - K40-64	1
7467-0002	MegaClean Starter Kit - 20	1
7467-0001	MegaClean Starter Kit - 32	1

EQUIPMENT

HOSE/CPLG. SELECTION

GLOBALSPIRAL COUPLINGS

PCM/PCS FERRULES

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POWER CRIMP COUPLINGS

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POLARSEAL COUPLINGS

C14 COUPLINGS

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FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 COUPLINGS

SURELOK AIR BRAKE COUPLINGS

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MegaClean™ Launcher Parts

Description: 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.



Prod. No.	Descr.	Std. Pack
7467-2003	MegaClean Adptr GAR-1 for MCL32 (-2 thru -20)	1
7467-2004	MegaClean Adptr GAR-1 for MCL64 (-2 thru -20)	1
7467-2005	MegaClean Adptr GAR-1 for MCL64 (-24 and -32)	1
7467-1007	MegaClean Assembly Tape	1
7467-2001	MegaClean Female Quick Coupler for Launcher	1
7467-1001	MegaClean L-20 Hand Launcher	1
7467-1000	MegaClean L-32 Hand Launcher	1
7467-1002	MegaClean L-64 Hand Launcher	1
7467-1008	MegaClean Launcher Stand 32 & 64	1
7467-1005	MegaClean LC20 (Case Only)	1
7467-1003	MegaClean LC32 (Case Only)	1
7467-1004	MegaClean LC64 (Case Only)	1
7467-2000	MegaClean Male Quick Release Rotary Plug	1
7467-1006	MegaClean Projectile Catcher Bucket	1

MegaClean™ Hose Nozzles

Description: 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.



Prod. No.	Descr.	Std. Pack
7467-3025	MegaClean GA-04FFORX Flat Face Nozzle	1
7467-3012	MegaClean GA-04 JIC Assembly Nozzle	1
7467-3015	MegaClean GA-06 JIC Assembly Nozzle	1
7467-3017	MegaClean GA-08 Assembly JIC Nozzle or Tube	1
7467-3018	MegaClean GA-10 Assembly JIC Nozzle or Tube	1
7467-3019	MegaClean GA-12 Assembly JIC Nozzle or Tube	1
7467-3020	MegaClean GA-16 Assembly JIC Nozzle or Tube	1
7467-3022	MegaClean GA-20 Assembly JIC Nozzle or Tube	1





MegaClean™ Hose Nozzles - Cont'd

Prod. No.	Descr.	Std. Pack
7467-3023	MegaClean GA-24 Assembly JIC Nozzle or Tube	1
7467-3024	MegaClean GA-32 Assembly JIC Nozzle or Tube	1
7467-3000	MegaClean GH-04 Hose Nozzle	1
7467-3001	MegaClean GH-05 Hose Nozzle	1
7467-3002	MegaClean GH-06 Hose Nozzle	1
7467-3003	MegaClean GH-08 Hose Nozzle	1
7467-3004	MegaClean GH-10 Hose Nozzle	1
7467-3005	MegaClean GH-12 Hose Nozzle	1
7467-3006	MegaClean GH-16 Hose Nozzle	1
7467-3007	MegaClean GH-20 Hose Nozzle	1
7467-3008	MegaClean GH-24 Hose Nozzle	1
7467-3009	MegaClean GH-32 Hose Nozzle	1
7467-3010	MegaClean GH-40 to GH-64 Hose Nozzle Ass't	1
7467-3011	MegaClean GT-02 Tube Nozzle	1
7467-3013	MegaClean GT-04 Tube Nozzle	1
7467-3014	MegaClean GT-05 Tube Nozzle	1
7467-3016	MegaClean GT-06 Tube Nozzle	1
7467-3021	MegaClean GT-20 Tube Nozzle	1

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