

Fluid Power

SECTION	PAGE NO.
FLUID POWER ACCESSORIES & TOOLS	7-1-1 TO 8
BRASS FITTINGS	7-2-1 TO 26
STEEL, STAINLESS & MALLEABLE FITTINGS	7-3-1 TO 32
PLASTIC FITTINGS	7-4-1 TO 8
TUBING	7-5-1 TO 2
WEATHERHEAD HYDRAULICS	7-6-1 TO 28
GATES HYDRAULICS	7-7-1 TO 24
VALVES & COUPLERS	7-8-1 TO 18
O-RINGS & CAPPLUGS	7-9-1 TO 8

TABLE OF CONTENTS

1 FLUID POWER ACCESSORIES & TOOLS

FITTINGS

- AIR HOSE MANIFOLDS7-1-4
- AIR LINE ACCESSORIES7-1-5
- AIR LINE FILTERS & REGULATORS7-1-5

FLANGE CAPS7-1-8

FLUID POWER

- ACCESSORIES & IDENTIFICATION7-1-1
- TOOLS7-1-6

HOSE

- ACCESSORIES7-1-4
- CUTTING MACHINE7-1-7
- GARDEN7-1-6
- REELS LOW PRESSURE7-1-6

HOSES — AIR7-1-2

NOZZLES — WATER HOSE & FOG NOZZLE7-1-2

SPLIT FLANGE ADAPTERS & KITS7-1-8

2 BRASS FITTINGS

COUPLERS

- BRASS AIR BRAKE SLEEVE-TYPE7-2-19
- BRASS AIR BRAKE SWIVEL END7-2-20
- BRASS REUSABLE7-2-17

FITTINGS

- BRASS AIR BRAKE FOR COPPER7-2-13
- BRASS AIR BRAKE PUSH ON7-2-14
- BRASS AIR HOSE FERRULES7-2-17
- BRASS BARB HOSE7-2-16
- BRASS BARB-TITE® HOSE7-2-18
- BRASS COMPRESSION TUBE7-2-3
- BRASS D.O.T. AIR BRAKE7-2-10
- BRASS FUEL HOSE7-2-15
- BRASS INVERTED FLARE TUBE7-2-1
- BRASS METRIC PUSH-IN TUBE7-2-8
- BRASS MINI BARB TUBE7-2-10

- BRASS PIPE7-2-22
- BRASS POLY-FIT FLARELESS TUBE7-2-5
- BRASS PUSH-IN TUBE7-2-7
- BRASS SAE 45° FLARE TUBE7-2-2
- BRASS SELF ALIGN TUBE7-2-5
- BRASS SHIFTER7-2-12
- BRASS UNIVERSAL THREAD7-2-9
- GARDEN HOSE7-2-20
- LEAD FREE BRASS COMPRESSION TUBE7-2-25
- LEAD FREE BRASS GARDEN HOSE7-2-26
- LEAD FREE BRASS HOSE BARB7-2-26
- LEAD FREE BRASS PIPE7-2-25
- LEAD FREE BRASS SAE 45° FLARE7-2-26

3 STEEL, STAINLESS & MALLEABLE FITTINGS

ADAPTERS

- STEEL FLAT FACE O-RING7-3-5
- STEEL JIC 37°7-3-8
- STEEL MALE BOSS O-RING7-3-6
- STEEL PIPE7-3-11
- STEEL SPLIT FLANGE7-3-4
- STEEL SWIVEL7-3-2

FITTINGS

- B-LOK TUBE7-3-14
- GALVANIZED STEEL7-3-19
- IDENTIFICATION CHART7-3-1
- STAINLESS STEEL PUSH-TO-CONNECT7-3-16

O-RINGS

- FLAT FACE O-RING ADAPTERS7-3-5
- MALE BOSS O-RING ADAPTERS7-3-7

PIPE FITTINGS

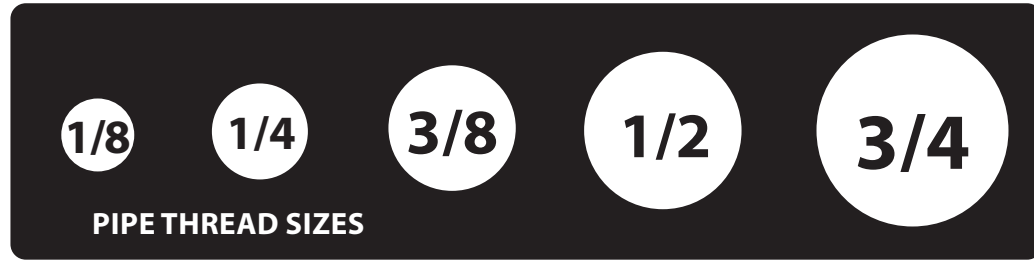
- 304 STAINLESS STEEL7-3-28
- 316 STAINLESS STEEL HEAVY-DUTY SCHEDULE 407-3-31
- FORGED STEEL BLACK7-3-17
- FORGED STEEL SOCKET WELD 3000#7-3-18

Continued On Next Page

TABLE OF CONTENTS

— FORGED STEEL SOCKET WELD 6000#	7-3-19
— MALLEABLE IRON 150 PSI SCHEDULE 40	7-3-19
— MALLEABLE IRON 300 PSI SCHEDULE 80	7-3-22
— STEEL	7-3-17
— STEEL BLACK	7-3-17
PIPE NIPPLES	
— 304 STAINLESS STEEL	7-3-29
— 316 STAINLESS STEEL SCHEDULE 40	7-3-30
— 316 STAINLESS STEEL SCHEDULE 80	7-3-32
— SEAMLESS SCHEDULE 160	7-3-27
— SEAMLESS SCHEDULE 80	7-3-27
— WELDED 300 PSI SCHEDULE 80	7-3-23
4 PLASTIC FITTINGS	
PVC FITTINGS	
— SCHEDULE 40	7-4-5
— SCHEDULE 80	7-4-6
PVC VALVES	7-4-8
TUBE FITTINGS	
— METRIC PUSH-TO-CONNECT	7-4-3
— PUSH-TO-CONNECT	7-4-1
— PUSH-TO-CONNECT D.O.T.	7-4-4
5 TUBING	
HOSES	
— BRAIDED POLYURETHANE	7-5-2
— LOW PRESSURE THERMOPLASTIC	7-5-2
TUBING	
— NYLON	7-5-1
— NYLON D.O.T.	7-5-2
— POLYETHYLENE	7-5-1
— POLYURETHANE	7-5-1
6 WEATHERHEAD HYDRAULICS	
COLL-O-CRIMP COUPLINGS	
— 338 P-SERIES	7-6-5
— E-SERIES	7-6-5
FIELD ATTACHABLE COUPLINGS	
— 009 “B” SERIES	7-6-1
— 213 “N” SERIES	7-6-1
— 247 “N” SERIES	7-6-3
— 425 “N” SERIES	7-6-4
FLUID POWER — WEATHERHEAD EQUIPMENT	7-6-28
HOSE — CUTTER	7-6-1
HOSES	
— HIGH PRESSURE	7-6-25
— LOW PRESSURE	7-6-24
— MEDIUM PRESSURE	7-6-25
— VERY HIGH PRESSURE	7-6-26
WEATHERHEAD ‘Z’ SERIES FITTINGS	7-6-6
WEATHERHEAD 4S SERIES FITTINGS	7-6-15
Z-SERIES TOOLING KITS	7-6-27
7 GATES HYDRAULICS	
COUPLERS — MEGACRIMP	7-7-1
FLUID POWER — GATES EQUIPMENT	7-7-15
HOSES — GATES	7-7-13
8 VALVES & COUPLERS	
AUTO & TRUCK — SHUT-OFFS & DRAIN COCKS BRASS	7-8-17
COUPLERS	
— ACCESSORIES AIR KING	7-8-15
— ADAPTERS CAM & GROOVE	7-8-13
— AIR	7-8-4
— AIR KING UNIVERSAL	7-8-15
— BOSS	7-8-14
— DIX-LOCK	7-8-17
— HYDRAULIC SERVICE	7-8-15
— PUSH BUTTON AIR	7-8-10
— PUSH BUTTON SAFETY AIR	7-8-11
— SHD SERIES AIR	7-8-12
— TWIST ACTION SAFETY AIR	7-8-12
COUPLERS & PLUGS CROSSOVER	7-8-4
VALVES	
— BALL	7-8-1
— BRASS NEEDLE	7-8-17
— BRASS PLUG DRAINS & SHUT-OFF	7-8-18
— DRAIN COCKS BRASS	7-8-18
— GATE	7-8-3
9 O-RINGS & CAPPLUGS	
CAPLUG SELECTION CHART	7-9-8
CAPPLUGS	7-9-7
CAPS/PLUGS PLASTIC THREADED	7-9-8
O-RINGS	
— BUNA & VITON	7-9-3
— CORD STOCK	7-9-3
— GAUGE	7-9-1
— KITS	7-9-3
— METRIC	7-9-6
— METRIC JIS	7-9-7
— QUAD RINGS	7-9-7

FLUID POWER — ACCESSORIES & IDENTIFICATION



Pipe Size	1/8"	1/4"	3/8"	1/2"	3/4"
Thd. O.D. at the end of thd.	.363" app. 3/8	.47" app. 1/2	.612" app. 5/8	.758" app. 3/4	.967" app. 1
T.P.I.	27	18	18	14	14

TUBE & PIPE FITTINGS MEASURING KIT



- Thread gauge (U.S. and Metric)
- Inside/Outside Caliper (Inches and Millimeters)
- **Two seat angle gauges:** 37°/45° and 12°/30°
- Booklet of helpful information to aid in the identification of various fittings and how to use the tools

STAINLESS STEEL DIAL CALIPER
F78461

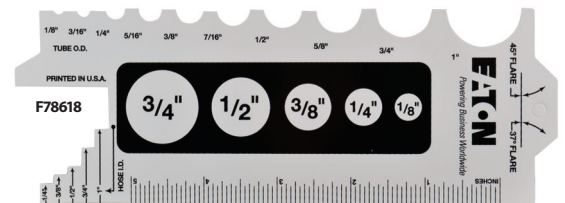
- Big 6" measuring capacity and reads to 0.001"
- Easy to read and shockproof
- Capable of four-way measurement. Inside, outside, depth and step
- Comes in an impact resistant, hard plastic case for protection.



HOSE & TUBE SIZING UNIT

- Sizes hose and tubing from 7/64" to 1" ID
- Complete with chain for attachment to hose displays

WEATHERHEAD TUBE/PIPE MEASURING GAUGE



NPT THREAD IDENTIFIER
FB300

THREAD IDENTIFIERS

- All thread identifiers are equipped with a 3-3/8" (85mm) ruler. They have permanent, easy-to-read laser etched size markings that will not peel off and are chemical resistant.
- Includes an extra-long wire rope for hard-to-reach places, and loops convenient for hanging. All thread identifiers are color coded with shatter-proof gauge dividers to allow for a quick and easy recognition between inch, metric and pipe thread strands at a glance.
- **NPT Sizes:** 1/8"-27, 1/4"-18, 3/8"-18, 1/2"-14, 3/4"-14
- Not for use in high-pressure



FLUID POWER — ACCESSORIES

CLAMPETTE® IRON AND COPPER PIPE PATCH CLAMPS

Pipe Size	Clamp Length	Iron Pipe Part No.	Copper Pipe Part No.
3/8	3	F74173	
1/2	3	F75500	
1/2	6		F77362
3/4	3	F7571	
3/4	6		F7474
1	3	F78109	
1	6		F72232
1-1/4	6	F75473	F71598
1-1/2	3	F73171	
1-1/2	6	F73683	F71545
2	3		F73502
2	6		F7854
2-1/2	3	F77628	F76399
2-1/2	6	F77463	F71404
3	3	F71576	F77899
3	6	F75008	F77944
3-1/2	3	F71203	F71432
3-1/2	6	F7875	F75271
4	3		F73158
4	6		F72778



Available in 3" and 6" lengths



Band: Stainless Steel - Type 304

Lugs: malleable Iron - Electro Galvanized with Dichromate finish

Bolts: Carbon Steel - Electro Galvanized with Dichromate finish

Nuts: Carbon Steel - Electro Galvanized with Dichromate finish

Washers: SAE Flat Washer - Zinc II plated (Meets specifications of ASTM-F844)

Gasket: Gridded Nitrile Buna Rubber is especially resistant to aromatic hydrocarbons, gasoline, petroleum oils, mineral oils, vegetable oils and natural gas.

Temperature Rating: -40 degrees F to 212 degrees F.

Pressure Rating: 150 PSI (Based on City Water Pressure)

Made in USA

Clampette Cross-Reference:

Smith-Blair #245, JCM #110, Ford-FSC, Romac-SC, Power Seal #3151

Applications:

Municipalities, State and Federal entities, plumbing, hardware, Industrial and water works distributors, Oil field maintenance, Irrigation, ship chandlers, apartment maintenance supply and anyone in need of a quality emergency repair.

NOZZLES — WATER HOSE & FOG NOZZLE

THERMOPLASTIC FOG NOZZLE

Description	Part No.
3/4" Garden Hose	F78617
1-1/2" NST Thread	F76692

- Red polycarbonate with brass stem
- Adjust from straight stream to fog
- For use up to 100 PSI (water only) at ambient temperature (70°F)



PISTOL-GRIP WATER NOZZLE

F72832

- Heavy-duty all zinc metal body
- Male threaded front for attaching accessories
- Solid brass valve system with permanent adjusting nut
- Hold-open clip for continuous spraying
- Rust resistant stainless steel spring
- Self-adjusting "duck" packing for the ultimate leak proof seal



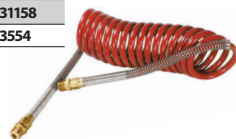
HOSES — AIR

COILED AIR BRAKE TUBE ASSEMBLIES

Tube O.D.	Male Pipe	Working Length	Pigtail Length	Colors	Eaton Part No.	Part No.
1/2	1/2	12'	12"	red & blue*	W1212	F31158
1/2	1/2	15'	12"	red & blue*	W1512	F3554

- Conforms to SAE J844 Type B & SAE J1131
- Conform to D.O.T. FMVSS 571.106
- Brass end fittings with spring guards and 1/2" male pipe corrosion resistance
- Preassembled for immediate installation
- **Maximum Working Pressure:** 150 PSI
- **Maximum Burst:** 950 PSI
- **Temperature Range:** -40°F to +200°F
- **Color Coding:** red for emergency and blue for service

* Each part number contains 1 coiled red assembly and 1 coiled blue assembly



NYLON FLEXIBLE AIR HOSE

Size	Part No.
1/4" hose x 1/4" NPT x 25'	F74877
1/4" hose x 1/4" NPT x 50'	F72285
3/8" hose x 3/8" NPT x 50'	F74904

- Swivel fitting on one end — complete assembly
- Spring guards and reusable fittings
- 200 PSI maximum working pressure
- Resistant to oil, grease, corrosion and abrasion
- Use with all air-operated equipment
- **Color:** Yellow



SNUBBER HOSE

F710054

- 30" Swivel end snubber hoses are used to absorb shock to air couplers from percussion type tools. Snubber hoses are fitted with a full 360 degree swivel for greater flexibility and easy use. Snubber hose swivel end has a 1/4" MNPT and a 3/8" hose ID.
- Maximum working pressure of 200 pounds per square inch
- Burst pressure of 800 pounds
- 3/8" hose inside diameter
- A must for impact tools



POLYURETHANE RECOIL AIR HOSE

Size	Part No.
1/4" Hose x 1/4" NPT X 20'	F76288
1/4" Hose x 1/4" NPT X 30'	F76968
5/16" Hose x 1/4" NPT X 30'	F7896
3/8" Hose x 3/8" NPT X 20'	F74179
3/8" Hose x 3/8" NPT X 30'	F74623

- Swivel fittings — complete assembly
- Toughest recoil hose available
- Outstanding coil memory
- Highly kink and abrasion resistant
- Straight tails provide built in whip hose
- Resistant to most oils and fuels
- **Color:** Dark Blue



HOSES — AIR (continued)

POLYURETHANE BRAIDED HOSE

Size	Part No.
1/4" Hose x 1/4" NPT x 50'	F71877
3/8" Hose x 1/4" NPT x 50'	F74462

- Durable - Lightweight - excellent flexibility
- 210 PSI working pressure @ 70°F
- **Working temperature:** -40°F to 155°F
- **Color:** Clear blue



RUBBER AIR HOSE

Size	Part No.
3/8" hose x 1/4" NPT x 25'	F71513
3/8" hose x 1/4" NPT x 35'	F77569
3/8" hose x 1/4" NPT x 50'	F71752

- 300 PSI working pressure
- Superior quality
- Made in USA



FLEXEEL HOSE

Size	Color	Part No.
3/8" x 50', 1/4"	Transparent Blue	F79646
3/8" x 50', 1/4"	Transparent Red	F79647

- MPT Reusable Fittings
- Constructed of Lightweight, Tough Reinforced Polyurethane
- 200 psi Working Pressure
- High Quality Brass Fittings Provide Strong & Durable Connection
- Fittings are Completely Field Repairable
- Made in USA



SERVICE STATION AIR HOSE

Size	Part No.
1/4" hose x 1/4" NPT x 25'	F76620
1/4" hose x 1/4" NPT x 50'	F75287
3/8" Hose x 1/4" NPT x 25'	F710514
3/8" hose x 1/4" NPT x 50'	F75315
1/2" hose x 1/2" NPT x 50'	F78151

- 250 PSI working pressure
- 2 Ply Reinforced
- Red Neoprene Cover
- Resist oil, grease and deterioration from ozone
- Remains flexible in use



FLEXZILLA PRO AIR HOSE

Size	Part No.
3/8"x25' x 1/4" MNPT	F710513
3/8"x50' x 1/4" MNPT	F710505

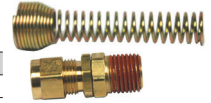
- 300 PSI working pressure
- Extreme all-weather flexibility, even in subzero temperatures! (-40° to 140°F)
- Field Repairable- Reusable anodized aircraft aluminum fittings
- Won't kink under pressure
- Excellent bend radius, Lays flat- no memory
- Includes bend reinforcement for increased flexibility. Reduces wear and tear, prolonging the life of the hose
- Remains flexible in use
- **Color:** Zilla Green
- **Cover:** Flexible Hybrid Polymer Material
- **Material:** Neoprene



NYLON HOSE REPAIR KIT

Hose I.D.	Fitting Type	Part No.
1/4"	1/4" Swivel(male)	F72443
3/8"	1/4" Swivel(male)	F73043

- **Note:** Repair Kit only supplied with parts for one tube end
- **Repair Kit Includes:**
Spring Guard
Nut
Swivel Fitting



FLEXZILLA REUSEABLE BALL SWIVEL FITTING

Barb Size	Fitting Size	Legacy Part No.	Part No.
1/4"	1/4" MNPT	RP900250BS	F710537
3/8"	1/4" MNPT	RP900375BS	F710538

- Repair your Flexzilla air hoses with reusable hose ends from Legacy Manufacturing
- These anodized aluminum fittings make repairs fast and easy. Plus, the spiral
- bend restrictor increases your hoses' flexibility. Mend your Flexzilla and Flexzilla
- Pro air hoses with just two wrenches and Legacy Manufacturing Flexzilla hose ends



FLEXZILLA AIR HOSE REUSEABLE FITTING

Barb Size	MNPT Size	Legacy Part No.	Part No.
1/4"	1/4"	RP900250	F710539
3/8"	1/4"	RP900375	F710510

- Reusable M-Style anodized aircraft aluminum fitting for Flexzilla and Flexzilla Pro air hose, Spiral bend restrictor increases hose flexibility



FLEXZILLA PRO AIR HOSE REUSEABLE SPLICER

Barb Size	Flexzilla Part No.	Part No.
1/4"	RP901250	F710536
3/8"	RP901375	F710535

- Reusable MNPT anodized aircraft aluminum fitting for Flexzilla and Flexzilla Pro Air Hose



AIR BRAKE AIR CHAMBER LINES

Line I.D.	Line Length	Eaton Part No.	Part No.
3/8"	18-1/2'	38166-01812	F72224
3/8"	20-3/8'	38166-02137	F75108
3/8"	24-1/8'	38166-02412	F76772
3/8"	28-3/8'	38166-02837	F7297
3/8"	30-1/8'	38166-03012	F73293
3/8"	32'	38166-03200	F71916
3/8"	34-3/8'	38166-03437	F7585
3/8"	36-1/8'	38166-03612	F71589
3/8"	41-1/8'	38166-04112	F7167

FITTINGS — AIR HOSE

FEMALE AIR CHUCK 1/4" NPT

F73554



TANK VALVES

NPT	Effective Length	Part No.
1/8"	3/4"	F71949
1/8"	1.3"	F72690
1/4"	3/4"	F76252

- Use with compressed air tanks for rapid filling or deflating of air tanks and air lines
- Maximum air pressure of 200 psi
- Includes cap and cover



F71949

F72690

F76252

REMOTE CONTROLLED AIR TANK DRAIN VALVE

F73031

- Use to drain truck air tanks of condensation and contaminants
- Easier to use than standard Petcock valve - pull on cable to open valve, automatically shuts off when cable is released
- Brass body and stainless steel spring
- 60" nylon coated, 200 lb. pull test, steel cable
- 1/4" NPTF Pipe Thread



FITTINGS — AIR HOSE MANIFOLDS

3-WAY SHOP AIR HOSE MANIFOLDS

Inlet NPT Female	Outlet NPT Female	Part No. Round Aluminum	Part No. Brass Flat Hex
1/4"	1/4"	F72054	F71456
3/8"	1/4"	F77600	F71194
1/2"	1/4"	F71283	

- Each manifold accepts 3 outlet hoses or couplers
- Mount to pipe at workbench or overhead to allow for use of air supply to more than one worker
- Mount 3 different style couplers on one manifold
- Have 3 different tools ready for use
- Flat hex style allows for easier use on flat surface such as floors and workbenches

Round Style



Flat Style



HOSE — ACCESSORIES

HOSE STOP — CHECKBALL

Hose I.D.	Hose O.D.	Part No.
1/4	1/2	F77258
3/8	21/32	F76783
1/2	3/4	F74876

- Adjustable Solid Rubber
- For convenient lead length positioning



HOSE SPACERS

Hose I.D.	Hose O.D.	Color	Part No.
3/8	3/4	Black	F72557

- Prevents hose abrasion at point of contact
- Helps keep hoses organized
- Prevents damage from unrestrained hoses



HOSE PROTECTORS

Length	Black Part No.	Orange Part No.
4"	F72373	F78017
6"	F76973	
8"	F73220	F77023
10"	F73546	
12"	F75051	

- **Abrasive Protection For:** Hydraulic Hoses, Battery Cables, Wiring Harness, Brake Systems, Fuel Lines, Air Lines, Radiator Hose, Oil Lines
- **Includes:** 3 wire ties with each protector
- Extremely high wear factor
- Formulated to resist solvents, oils, grease, gasoline etc.
- **Operating temperature:** -40°F to +430°F
- Easy installation — No need to remove hose
- **Color:** Black



HYDRAULIC HOSE PROTECTION - SPIRAL WRAP HD

I.D.	Coil Length	Part No.
.50	25	F78756
.667	25	F78757
.80	25	F78758
1.00	20	F78752
1.375	12	F78753
1.70	10	F78755

- **Note:** Not all hydraulic hoses have the same O.D.
- Measure the hose O.D.; fit to the closest I.D. of the spiral wrap.



ORBITAL SWIVEL FITTING

- Thread: 1/4" MPT x 1/4" FPT
- Material: Nickel Plated Brass
- Fitting provides a full 360 range of motion at the tool connection.
- Swivels at Male pipe thread connection, and between segments.
- **Made in USA**

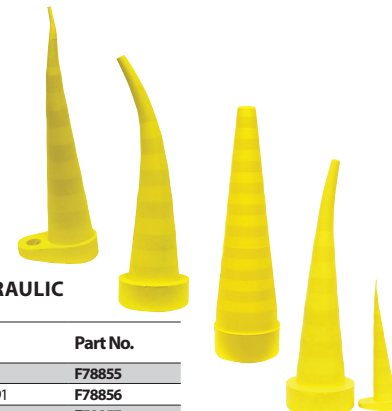


PIG'S TAIL™ HYDRAULIC SERVICE PLUGS

Size	Part No.
Micro Service Plug .04-.4	F78855
Standard Service Plug .16-.91	F78856
X-Large Service Plug .47-1.7	F78857
Service Plug Set 4-1.7	F78858

- Manufactured of high quality oil resistant rubber
- Oil and chemical resistant, prevents contamination to the environment
- Easy installation, no tools required
- Prevents dust, corrosion to ensure long life of machines
- Prevents water, paint, dust and pollution from harming systems and components when cleaning or painting
- Suitable for temperatures between -15°F – +195°F

***Use in non-pressurized systems only!**



FITTINGS — AIR LINE ACCESSORIES

WATER FILTER FOR SPRAY GUNS

F76649

- Traps moisture, rust, scale and oil aerosols that pass through conventional filters
- Air inlet and outlet NPT: 1/4"**



AIR REGULATOR WITH GAUGE

F75423

- Provides fine air control for spray guns and air tools
- Swivel top for easy installation
- Includes a 0-160 PSI pressure gauge
- Air inlet and outlet NPT: 1/4"**



PNEUMATIC EXHAUST MUFFLERS

Style	NPT Size	Overall Length	Hex	Part No.
A	1/8	1-1/8	7/16	F71012
A	1/4	1-3/8	9/16	F73479
A	3/8	1-1/2	9/16	F78163
A	1/2	1-7/8	7/8	F76977
B	1/8	7/16	7/16	F78744
B	1/4	5/8	9/16	F78745
B	3/8	3/4	9/16	F78746

- Diffuses air and muffles noise from exhaust ports of cylinders, valves and air tools to an acceptable level within osha noise requirements
- Operating temperature:** 40°F to 300°F
- Maximum operating pressure:** 300 PSI



AIR LINE ADAPTERS

Size Pipe Male	Size Pipe Female	Part No.
1/4	1/4	F75773

- Swivel 'L' adapter 90 deg.
- Material — CA360 Brass



SAFETY RELIEF VALVE

Pop-Off Pressure	Air Flow Pop-Off PSI	Male NPT	Part No.
150 PSI	140 CFM	1/4	F76089



FULL SWIVEL HOSE ENDS

Hose I.D.	Hose O.D.	M NPT	Part No.
3/8	11/16	1/4	F74499

- 360°F swivel helps eliminate kink
- Steel black oxide finish



BRASS AIR TANK DRAIN VALVE

Pipe Thread	Berg Part No.	Part No.
1/4	121565-060	F72484



FITTINGS — AIR LINE FILTERS & REGULATORS

MICRO FILTERS

Size NPT	Part No.
1/4"	F74971
3/8"	F72512
1/2"	F77959

- Designed for the efficient removal of harmful foreign matter such as condensed moisture, pipe scale, dirt and rust from the air stream
- Polycarbonate bowls with metal bowl guards
- 5 oz. capacity bowl
- Maximum pressure:** 150 PSI — temperature 125°F



PRECISION LUBRICATORS

Size NPT	Part No.
1/4"	F7953
3/8"	F71115
1/2"	F72055

- Ideal for lubrication of air motors, tools, valves or where low air flow is encountered
- Polycarbonate bowls with metal bowl guards
- 5 oz. capacity bowl
- Maximum pressure:** 150 PSI — temperature 125°F



IN LINE LUBRICATORS

Size NPT	Part No.
1/4" M x 1/4" F	F74970

- To lubricate tools by metering correct amount of oil
- 1/2 oz. capacity



PIGGYBACK FILTER/REGULATOR

Size NPT	Part No.
1/4"	F77051
3/8"	F74352

- Piggyback duo has the features of the standard regulator, plus the space saving convenience of a combined filter



HEAVY DUTY REGULATORS

Size NPT	Pressure 5-125 PSI Part No.	Pressure 10-250 PSI Part No.
1/4"	F72957	F75144
3/8"	F71173	F74020
1/2"	F77008	F7759

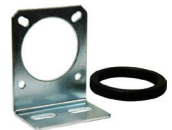
- Offers stable downstream air pressure over a wider range of air flow with accurate control and fast response
- Features a balanced piston, rugged Buna N diaphragm and o-rings, molded rubber seat, aluminum die-cast construction and fast easy service
- Operating temperature 40 to 120°F



PIGGYBACK BRACKET

Size	Part No.
1/4", 3/8" and 1/2"	F71710

- Mounting bracket for Piggybacks and Regulators



PRESSURE GAUGES

Size NPT	Mount Type	Part No.
1/4"	Center Back	F72024
1/4"	Bottom	F73521

- 2" face with 1/4" NPT fitting for use on standard size regulators
- Pressure:** 0-160 PSI



FLUID POWER

1 Fluid Power Accessories & Tools

HOSE — REELS LOW PRESSURE



LOW PRESSURE HOSE REELS

Model	Hose I.D.	Hose O.D.	Hose FT.	Part No.
P-LP-150	1/4"	1/2"	50	F75188
P-LP-350	3/8"	21/32"	50	F72833

- Compact space savers designed to handle air or water
- High quality steel construction and durable epoxy powder-coat finish
- Controlled retraction speed for easy recoil of hose
- Adjustable solid rubber hose stop
- **Maximum temperature:** 150° F
- **Rated Pressure:** 300 PSI
- Mounting hardware not included



HOSE — GARDEN

RUBBER VINYL GARDEN HOSE

Size	Part No.
5/8" x 50'	F75102

- 150 PSI working pressure
- Extra tough five-ply construction
- Seal-tite® leak proof couplings
- Green cover



WASH DOWN HOSE

Size	Part No.
5/8" x 50'	F710086

- Features a Flexible Hybrid PVC Construction
- Lays Flat, Even in Cold Environments
- Easy Roll out and Storage
- Resists Kinking
- High Quality Plated Brass Fittings provide strong and durable connection
- Yellow Belly Industrial



GARDEN FLEXEEL

Size	Part No.
1/2 x 25'	F710084
1/2 x 50'	F710085

- Reinforced Polyurethane Provides Lightweight and Flexibility
- Equipped with Reusable Strain Relief fittings
- Broad Temperature Range
- **Made in USA**



FLUID POWER — TOOLS

PROFESSIONAL TUBING CUTTER

F76415

- Cuts hard and soft copper, aluminum, brass, thin-wall steel, stainless steel, monel, titanium, and other tubing
- Unique design eliminates spiraling
- High luster nickel chrome-plated body
- **Cutter includes:** rollers with flare cut-off groove, fold away reamer, and spare cutting wheel
- **Capacity:** 1/8" to 1-1/8" O.D. tubing
- **F4625** – Replacement wheels for Professional Tubing Cutter #F76415 (3 per pack)



PROFESSIONAL MINI TUBING CUTTER

F71397

- Compact design requires only 1-1/4" swing radius
- Unique design eliminates spiraling
- Enclosed feed screw minimizes contamination
- Stainless steel rollers improve overall cutting action
- High luster nickel-chrome plated body
- **Length:** 1-3/4"
- **Capacity:** 3/16" to 7/8" O.D. tubing
- **F41172** – Replacement wheels for Professional Mini Tubing Cutter #F71397 (3 per pack)



PLASTIC TUBE AND HOSE CUTTER

F73699

Replacement Blade — F78317

An economical alternative to quality tube and hose cutting. This versatile tool is lightweight and durable for long service life.

Note: Not for use with wire-reinforced hose.



STANDARD TUBING CUTTER

F73690

- Cuts copper, aluminum, and other thin wall tubing
- Replaceable alloy steel cutting wheel (F77120)
- Reamer retracts for safety when not in use
- **Capacity:** 1/8" to 1-1/8" (3mm to 30mm) tubing



FLUID POWER — TOOLS (continued)

TUBING CUTTER REPLACEMENT WHEELS

F77120- Standard Cutter Wheel (2 per card)

Note: All replacement wheels will fit both cutters shown above



PUNCH TYPE SWAGING TOOL KIT

F77345

- Used to make tubing connections without fittings
- Kit includes:** 4 swaging punches for 1/4", 3/8", 1/2", and 5/8" O.D. tubing packed in a handy vinyl case



TUBING CUTTER

F77621

- Light weight plastic tube cutter
- Blade design guarantees clean edge cut
- Built in blade guard
- To cut nylon, polyethylene, polyurethane, & pyvex tubing 1/8" OD to 3/4" OD



TRIPLE HEAD TUBING BENDER

F77836

- For soft copper, aluminum, and thin-wall steel tubing
- Calibrated markings for making accurate left-hand, right-hand, and offset bends
- Capacity** – 3/16", 1/4", 5/16", and 3/8" O.D. tubing



45° DOUBLE FLARING TOOL KIT

F72972

- For 3/16", 1/4", 5/16", 3/8", and 1/2" O.D. tubing
- Recommended for annealed soft steel tubing (wall thickness to .035")
- Also makes single or double flares in soft copper or aluminum tubing
- Forged steel yoke
- Swivel-type hardened steel, chrome-finished flaring cone
- Includes tool case



METRIC BUBBLE FLARING TOOL KIT

F75407

- Flares metric hydraulic brake lines used on European, Japanese, and American automobiles and light trucks
- For 4.75mm (3/16"), 6mm, 8mm, and 10mm soft steel tubing with a wall thickness up to .028"
- Can also be used with soft copper and aluminum tubing
- Includes tool case



HOSE — CUTTING MACHINE

HYDRAULIC HOSE SAW 110V

F78560

Capacity: 1-1/4" 4 wire hydraulic hose

Blade Size: 7" x .093 x 3/4" arbor

Motor: 2hp, 110v, 1phase, 60 cycle, 3600 rpm

Dimensions: 20" x 12" x 13" approx.

Weight: 56 lbs

Features:

- Arbor Size:** 3/4"
- Exhaust port captures dust particles & fumes, can be attached to any 2" shop vac hose
- On-Off switch is a double pole switch, shop vac can be directly wired to machines on/off switch
- Safe guard system keeps operator from accidentally touching the cutting blade
- Easy use handle, makes cutting hose easy for just about anyone
- Pin system bends hose to properly cut hose, eliminating burning and blade drag while cutting
- Bench top or portable cart mountable for easy use
- Made in USA**

*All hydraulic saws will be drop shipped from manufacturer.

FOB: Simsbury, CT 06070



HOSE CUTTING MACHINE

F79604

- An excellent heavy-duty cutting machine
- A portable saw that can cut all hoses, including wire-reinforced
- Includes three abrasive blades
- 3 1/2 H.P. Motor
- 110/115 Volts, 15 Amp



EATON | Weatherhead

HOSE CUTTING MACHINE T-10B

F73433

- The T-10B hose cutting machine assures quick, clean, right angle cuts, eliminating ragged and frayed cut ends
- Powerful 1 H.P. motor and belt-driven blade
- Shipped complete with A 7" smooth edge blade capable of cutting one-wire hose through 1-1/4"
- Scalloped blade available capable of cutting two-wire hose through 1-1/4"
- Size:** 13" wide, 24" long, 17" high, 85lbs



Replacement Blades	Part No.
7" Smooth	F71424
7" Scalloped	F71464

- Arbor Size:** 5/8"
- Smooth blade for cutting up to 1-wire hose through 1-1/4"
- Scalloped blade for cutting 2-wire through 1-1/4"
- Cuts hydraulic, metal, teflon, plastic & industrial rubber hose
- Durable M2 tool steel body for longer life
- Produces clean, sharp cuts; reduced hose deformation and shorter clean-up times
- Made in USA**

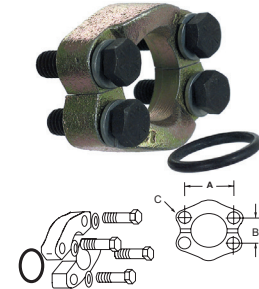


SPLIT FLANGE ADAPTERS & KITS

EATON | Weatherhead

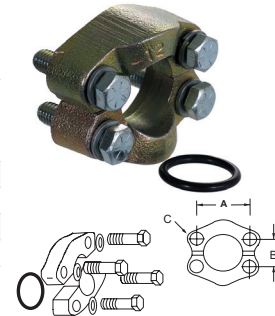
SPLIT FLANGE KITS STANDARD PRESSURE SERIES (SAE CODE 61)

Nominal Flange Size	Flange Halves 2 Req'd.	O-Ring	Bolts	Lock Washer	A	B	C	Bolt Torque Range Lb.-in	Catalog No. Complete Kit	Part No.
3/4	12 x 251	12 x 252	12 x 853	12 x 254	1.88	.88	13/32	250-350	SFK-12	F71255
1	16 x 251	16 x 252	16 x 853	16 x 254	2.06	1.03	13/32	325-425	SFK-16	F72291
1-1/4	20 x 251	20 x 252	20 x 853	20 x 254	2.31	1.19	15/32	425-550	SFK-20	F71628
1-1/2	24 x 251	24 x 252	24 x 853	24 x 254	2.75	1.41	17/32	550-700	SFK-24	F78487
2	32 x 251	32 x 252	24 x 853	24 x 254	3.06	1.69	17/32	650-800	SKF-32	F78584



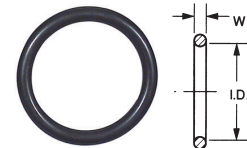
SPLIT FLANGE KITS STANDARD PRESSURE SERIES (SAE CODE 62)

Nominal Flange Size	Flange Halves 2 Req'd.	O-Ring	Bolts	Lock Washer	A	B	C	Bolt Torque Range Lb.-in	Catalog No. Complete Kit	Part No.
3/4	12 x 262	12 x 252	12 x 863	12 x 254	2.00	.94	13/32	300-400	SFK62-12	F77891
1	16 x 262	16 x 252	16 x 863	20 x 254	2.25	1.09	15/32	500-600	SFK62-16	F72383
1-1/4	20 x 262	20 x 252	20 x 863	20 x 254	2.63	1.25	17/32	750-900	SKF62-20	F78581
2	32 x 262	32 x 252	32 x 863	24 x 264	3.81	1.75	25/32	2400-2600	SKF62-32	F78583



7 SPLIT FLANGE O-RINGSSAE CODE 61 AND SAE CODE 62 BUNA N 90 DUROMETER

Flange Size	Eaton WH Part No.	Part No.
1/2	8 x 252	F74048
3/4	12 x 252	F77686
1	16 x 252	F71662
1-1/4	20 x 252	F73483
1-1/2	24 x 252	F71474
2	32 x 252	F78377



FLANGE CAPS

FLANGE CAP CODE 61

Nominal Flange Size	A	B	Part No.
3/4	1.88	.41	F76759
1	2.06	.41	F73477
1-1/4	2.31	.47	F78256
1-1/2	2.75	.53	F77449
2	3.06	.53	F75760



FLANGE CAP CODE 62

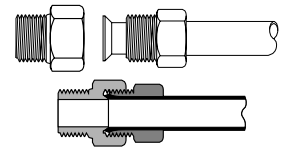
Nominal Flange Size	A	B	Part No.
3/4	2.00	.41	F71995
1	2.25	.47	F7498
1-1/4	2.63	.53	F71247
1-1/2	3.13	.66	F74709
2	3.81	.78	F73372



FITTINGS — BRASS INVERTED FLARE TUBE

Typical Applications	Hydraulic Brake, Power Steering, Fuel Lines, Transmission Cooler Lines, LP and Natural Gas
Pressure	Up to 2000 PSI depending on tube size
Sealing Method	2-Piece Flare
Vibration Rating	Excellent
Temperature	-65°F to +250°F
Material	CA360 Brass
Used With	Copper, Steel, Brass, Aluminum and Bundy Tubing
Advantages	Low cost and reusable. Seats and threads are internal and protected. Compact, excellent vibration life. Brass or steel nut.
Conformance	Listed by Underwriters Laboratories (Available on Special Order). Meets Specifications and standards of ASA, ASME, SAE and MS (Military Standards)
Identifying Characteristics	Similar in shape to the Threaded Sleeve but with a thicker nut. Look for a 45° flared seat inside the body.

EATON | Weatherhead



STANDARD INVERTED FLARE TUBE AND THREAD SIZE

Tube Size	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Thread Size (Not Pipe size*)	5/16-28	3/8-24	7/16-24	1/2-20	5/8-18	11/16-18	3/4-18	7/8-18	1-1/16-16	1-3/16-16	1-5/16-16

*Use the 1/4" method, measure the OD of the threaded end, subtract 1/4" from the measurement to find the Pipe Size.

TUBE NUT (STEEL)

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	105 x 2	41 IFS-2	F72144
3/16	105 x 3	41 IFS-3	F75227
1/4	105 x 4	41 IFS-4	F72820
5/16	105 x 5	41 IFS-5	F78194
3/8	105 x 6	41 IFS-6	F75203
1/2	105 x 8	41 IFS-8	F75654



UNION

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	302 x 2	42 IFS-2	F72913
3/16	302 x 3	42 IFS-3	F78170
1/4	302 x 4	42 IFS-4	F75478
5/16	302 x 5	42 IFS-5	F72275
3/8	302 x 6	42 IFS-6	F75857
1/2	302 x 8	42 IFS-8	F74961



TUBE NUT (BRASS)

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/16	100 x 3	41 IF-3	F74788
1/4	100 x 4	41 IF-4	F74558
5/16	100 x 5	41 IF-5	F76508
3/8	100 x 6	41 IF-6	F73549
1/2	100 x 8	41 IF-8	F73882



45° ELBOW

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/16	1/8	352 x 3	259 IFHD-3-2	F73508
1/4	1/8	352 x 4	259 IFHD-4-2	F76698
5/16	1/8	352 x 5	259 IFHD-5-2	F72524
5/16	1/4	352 x 5 x 4	259 IFHD-5-4	F75019
3/8	1/4	352 x 6	259 IFHD-6-4	F72592



UNION TEE

Tube Size	Equivalent Eaton No.	Part No.
1/8	702 x 2	F71380
3/16	702 x 3	F75868
1/4	702 x 4	F77358
5/16	702 x 5	F77470
3/8	702 x 6	F7513



MALE BRANCH TEE

Tube Size	Pipe Size	Equivalent Eaton No.	Part No.
3/16	1/8	602 x 3	F76107
1/4	1/8	602 x 4	F71679
5/16	1/8	602 x 5	F73833



PLUG (STEEL)

Tube Size	Equivalent Eaton No.	Part No.
3/16	131 x 3	F7160
1/4	131 x 4	F71555
5/16	131 x 5	F74085
3/8	131 x 6	F71364



FEMALE BRANCH TEE

Tube Size	Pipe Size	Equivalent Eaton No.	Part No.
3/16	1/8	652 x 3	F72723



90° ELBOW

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8	402 x 2	249 IFHD-2-2	F71687
3/16	1/8	402 x 3	249 IFHD-3-2	F74551
1/4	1/8	402 x 4	249 IFHD-4-2	F7131
1/4	1/4	402 x 4 x 4	249 IFHD-4-4	F76654
5/16	1/8	402 x 5	249 IFHD-5-2	F72951
5/16	1/4	402 x 5 x 4	249 IFHD-5-2	F77084
3/8	1/8	402 x 6 x 2	249 IFHD-6-2	F71430
3/8	1/4	402 x 6	249 IFHD-6-4	F7915
3/8	3/8	402 x 6 x 6	249 IFHD-6-6	F73007
1/2	1/4	402 x 8 x 4	249 IFHD-8-4	F74862
1/2	3/8	402 x 8	249 IFHD-8-6	F77048
1/2	1/2	402 x 8 x 8	249 IFHD-8-8	F74424



MALE CONNECTOR

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8	202 x 2	48 IFHD-2-2	F75123
3/16	1/8	202 x 3	48 IFHD-3-2	F73629
1/4	1/8	202 x 4	48 IFHD-4-2	F71360
1/4	1/4	202 x 4 x 4	48 IFHD-4-4	F75605
5/16	1/8	202 x 5	48 IFHD-5-2	F77532
5/16	1/4	202 x 5 x 4	48 IFHD-5-2	F73025
3/8	1/8	202 x 6 x 2	48 IFHD-6-2	F71645
3/8	1/4	202 x 6	48 IFHD-6-4	F78051
3/8	3/8	202 x 6 x 6	48 IFHD-6-6	F75017
1/2	1/4	202 x 8 x 4	48 IFHD-8-4	F74044
1/2	3/8	202 x 8	48 IFHD-8-6	F77983
1/2	1/2	202 x 8 x 8	48 IFHD-8-8	F72941



FLUID POWER

2 Brass Fittings

FITTINGS — BRASS SAE 45° FLARE TUBE

Typical Applications LP and Natural Gas, Flammable Liquids, Instrumentation, Refrigeration, Power Steering, Hydraulic and Pneumatic systems.

Pressure Up to 2000 PSI depending on tube size.

Sealing Method 2-Piece Flare

Vibration Rating Good Resistance - use long nut when greater vibration resistance is required.

Temperature -65°F to +250°F

Material CA360 Brass

Used With Copper, Steel, Aluminum and Bundy Tubing

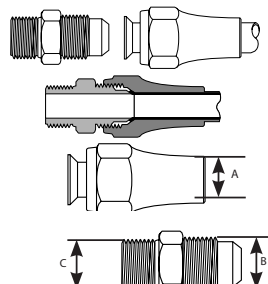
Advantages Low cost and reusable, long or short nut available. Good resistance to vibration.

Conformance Listed by Underwriters Laboratories for flammable liquids, refrigeration and gas. (Available on Special Order). Meets specifications and standards of ASA, ASME & SAE.

Identifying Characteristics Nut has concave turn behind hex. Is a two piece fitting - a nut and a body.

Look for a 45° flared end on the fitting body. The nut has a tapered seat to nest the flared tubing in.

EATON | Weatherhead



Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4
Thread size (Not Pipe size*)	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	11/16-16	3/4-16	7/8-14	1-1/16-14

Fitting measurements are called out by the tube size first and then the pipe size (if one).

* (A) The fastest way to identify the tube size is to measure the tube opening (A) of the nut with your brass gauge or caliper.

* (B) If the nut is not available, measure the diameter of the threaded section on the tube size and then use the above chart to convert the thread size to the tube size. Your brass gauge also has this chart on it.

***Use the 1/4" method, measure the OD of the threaded end, subtract 1/4" from the measurement to find the Pipe Size.**

NUT

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1110 x 2	41FS-2	F76799
3/16	1110 x 3	41FS-3	F7541
1/4	1110 x 4	41FS-4	F71621
5/16	1110 x 5	41FS-5	F74729
3/8	1110 x 6	41FS-6	F73649
1/2	1110 x 8	41FS-8	F73230
5/8	1110 x 10	41FS-10	F77075



LONG NUT

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8		41FL-2	F7829
3/16	41 x 3	41FL-3	F73290
1/4	41 x 4	41FL-4	F75585
5/16	41 x 5	41FL-5	F75532
3/8	41 x 6	41FL-6	F7342
1/2	41 x 8	41FL-8	F73438
5/8	41 x 10	41FL-10	F76078



UNION TEE

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/16	44 x 3	144F-3	F76086
1/4	44 x 4	144F-4	F76718
5/16	44 x 5	144F-5	F72933
3/8	44 x 6	144F-6	F73809
1/2	44 x 8	144F-8	F76340



UNION

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	42 x 2	42F-2	F76806
3/16	42 x 3	42F-3	F72241
1/4	42 x 4	42F-4	F77858
5/16	42 x 5	42F-5	F77804
3/8	42 x 6	42F-6	F77394
1/2	42 x 8		F7728
5/8	42 x 10	42F-8	F78004
3/4	42 x 12	42F-8	F78144



MALE BRANCH TEE

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4	1/8	45 x 4	145F-4-2	F76255
1/4	1/4	45 x 4 x 4 x 4	145F-4-4	F7133
5/16	1/8	45 x 5	145F-5-2	F76754
5/16	1/4	45 x 5 x 5 x 4	145F-5-4	F76361
3/8	1/4	45 x 6	145F-6-4	F73811
3/8	3/8	45 x 6 x 6 x 6	145F-6-6	F72434
1/2	3/8	45 x 8	145F-8-6	F71863
1/2	1/2	45 x 8 x 8 x 8	145F-8-8	F76726
3/4	1/2	45 x 12	145F-12-8	F77159



MALE RUN TEE

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4	1/8	51 x 4	151-4-2	F72010
3/8	1/4	51 x 6	151-6-4	F72245
1/2	1/2	51 x 8 x 8 x 8	151-8-8	F71352
5/8	1/2	51 x 10	151-10-10	F74399



MALE ELBOW

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8	49 x 2	149F-2-2	F76176
3/16	1/8	49 x 3	149F-3-2	F74385
1/4	1/8	49 x 4	149F-4-2	F74748
1/4	1/4	49 x 4 x 4	149F-4-4	F72238
1/4	3/8	49 x 6 x 4	149F-6-4	F71989
5/16	1/8	49 x 5	149F-5-2	F73500
5/16	1/4	49 x 5 x 4	149F-5-4	F75196
3/8	1/8	49 x 6 x 2	149F-6-2	F74921
3/8	1/4	49 x 6	149F-6-4	F71184
3/8	3/8	49 x 6 x 6	149F-6-6	F75677
3/8	1/2	49 x 6 x 8	149F-6-8	F78121
1/2	1/4	49 x 8 x 4	149F-8-4	F75601
1/2	3/8	49 x 8	149F-8-6	F72877
1/2	1/2	49 x 8 x 8	149F-8-8	F76439
5/8	3/8	49 x 10 x 6	149F-10-6	F71317
5/8	1/2	49 x 10	149F-10-8	F71774
3/4	1/2	49 x 12	149F-12-8	F77364
3/4	3/4	49 x 12	149F-12-12	F71292



MALE CONNECTOR

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8	48 x 2	48F-2-2	F74160
3/16	1/8	48 x 3	48F-3-2	F71642
1/4	1/8	48 x 4	48F-4-2	F75322
1/4	1/4	48 x 4 x 4	48F-4-4	F77975
1/4	3/8		48F-4-6	F76379
5/16	1/8	48 x 5	48F-5-2	F72660
5/16	1/4	48 x 5 x 4	48F-5-4	F72548
3/8	1/8	48 x 6 x 2	48F-6-2	F77354
3/8	1/4	48 x 6	48F-6-4	F76914
3/8	3/8	48 x 6 x 6	48F-6-6	F77173
3/8	1/2	48 x 6 x 8	48F-6-8	F71578
1/2	1/4	48 x 8 x 4	48F-8-4	F78260
1/2	3/8	48 x 8	48F-8-6	F72466
1/2	1/2	48 x 8 x 8	48F-8-8	F73188
5/8	3/8	48 x 10 x 6	48F-10-6	F77221
5/8	1/2	48 x 10	48F-10-8	F75977
3/4	1/2	48 x 12	48F-12-8	F76615
3/4	3/4	48 x 1212	48F-12-12	F7904



FITTINGS — BRASS SAE 45° FLARE TUBE (continued)

FEMALE CONNECTOR

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/16	1/8	46x3	46F-3-2	F72552
1/4	1/8	46x4	46F-4-2	F78321
1/4	1/4	46x4x4	46F-4-4	F74942
5/16	1/8	46x5	46F-5-2	F77643
5/16	1/4	46x5x4	46F-5-2	F73467
3/8	1/4	46x6	46F-6-4	F77966
3/8	3/8	46x6	46F-6-6	F76474
3/8	1/2	46x6x8	46F-6-8	F71982
1/2	1/4	46x8x4	46F-8-4	F7797
1/2	3/8	46x8	46F-8-6	F73450
1/2	1/2	46x8	46F-8-8	F77155
5/8	1/2	46x10	46F-10-8	F73764



FEMALE ELBOW

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4	1/8	50x4	150F-4-2	F74645
1/4	1/4	50x4x4	150F-4-4	F74111
3/8	1/4	50x6	150F-6-4	F76333
3/8	3/8	50x6x6	150F-6-6	F77705
1/2	1/2	50x8x8	150F-8-8	F76402
5/8	1/2	50x10	150F-10-8	F77488



45° MALE ELBOW

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4	1/8	54x4	159F-4-2	F72713
1/4	1/4	54x4x4	159F-4-4	F77056
1/4	3/8	54x4x6	159F-4-6	F74277
5/16	1/8	54x5	159F-5-2	F75916
3/8	1/4	54x6	159F-6-4	F75784
3/8	3/8	47x6	159F-6-6	F7195
1/2	3/8	54x8	159F-8-6	F73780
1/2	1/2	54x8x8	159F-8-8	F74163
5/8	3/8	54x10	159F-10-8	F78201
5/8	1/2	54x10	159F-10-8	F76714



ELBOW

Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4	55x4	155F-4	F75479
5/16	55x5	155F-5	F72917
3/8	55x6	155F-6	F75495
1/2	55x8	155F-8	F73896



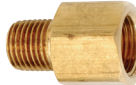
FLARE CAP

Tube Size	Equivalent Eaton No.	Part No.
1/4	40x4	F77519
5/16	40x5	F74805
3/8	40x6	F76040
1/2	40x8	F77219
5/8	40x10	F71834
3/4	40x12	F72555



FEMALE SAE 45 FLARE X MALE PIPE ADAPTER

Flare	Pipe	Part No.
1/4	1/8	F78664
1/4	1/4	F78665
3/8	1/4	F78666



FEMALE FLARE X TUBE COMPRESSION

Flare	Tube	Part No.
1/4	1/4	F78663



FLARE PLUG

Tube Size	Equivalent Eaton No.	Part No.
1/4	39x4	F72035
5/16	39x5	F72809
3/8	39x6	F77766
1/2	39x8	F7503
5/8	39x10	F73939
3/4	39x12	F74467



FITTINGS — BRASS COMPRESSION TUBE

Typical Applications Instrumentation, Hydraulic and Pneumatic Systems

Pressure Up to 2000 PSI depending on tube size

Sealing Method 3-Piece Compression

Vibration Rating Fair, use long nut when greater vibration resistance is required

Temperature -65°F to +250°F

Material CA360 Brass

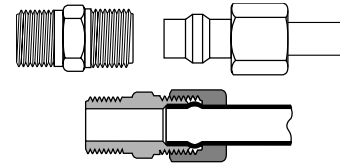
Used With Copper, aluminum or plastic tubing. Soft plastic tubing requires an internal tube support. Not recommended for steel tubing.

Advantages Easy to assemble - no flaring. Bodies come with nuts and sleeves.

Conformance Meets specifications and standards of ASE, ASME, SAE and MS

Identifying Characteristics A three piece fitting - a nut, a body, and a spherical sleeve. The sleeve slides over the tubing and when compressed between the nut and the body, when assembled, creates a positive seal.

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NUT

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	61x2	61C-2	F76543
3/16	61x3	61C-3	F76950
1/4	61x4	61C-4	F7182
5/16	61x5	61C-5	F73041
3/8	61x6	61C-6	F7813
1/2	61x8	61C-8	F75467
5/8	61x10	61C-10	F71674
3/4	61x12	61C-12	F71334



LONG NUT

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/16	1611x3		F75485
1/4	1611x4	61CL-4	F7253
5/16	1611x5	61CL-5	F77857
3/8	1611x6	61CL-6	F77578
1/2	1611x8	61CL-8	F75787
5/8	1611x10	61CL-10	F75400



TUBE SUPPORT

Tube Size	Equivalent Eaton No.	Part No.
1/4	2030x4	F77606
1/4x11/64	2030x44	F72998
5-16	2030x5	F74422
3/8	2030x6	F78230
1/2	2030x8	F71259



UNION TEE

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/16	64x3	264C-3	F76406
1/4	64x4	264C-4	F7586
5/16	64x5	264C-5	F71839
3/8	64x6	264C-6	F77939
1/2	64x8	264C-8	F71486



FITTINGS — BRASS COMPRESSION TUBE (continued)

SLEEVE

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	60 x 2	60C-2	F72073
3/16	60 x 3	60C-3	F75241
1/4	60 x 4	60C-4	F74394
5/16	60 x 5	60C-5	F71328
3/8	60 x 6	60C-6	F75209
1/2	60 x 8	60C-8	F73767
5/8	60 x 10	60C-10	F74674
3/4	60 x 12	60C-12	F75405



REDUCING UNION

Tube Size	Equivalent Eaton No.	Part No.
5/16 x 1/4		F78217
3/8 x 1/4		F76038
3/8 x 5/16		F73488
1/2 x 3/8		F77730



MALE ELBOW

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8	69 x 2	269C-2-2	F74923
3/16	1/8	69 x 3	269C-3-2	F75695
1/4	1/8	69 x 4	269C-4-2	F75236
1/4	1/4	69 x 4 x 4	269C-4-4	F73716
5/16	1/8	69 x 5	269C-5-2	F76619
5/16	1/4	69 x 5 x 4	269C-5-4	F7750
3/8	1/8	69 x 6 x 2	269C-6-2	F7377
3/8	1/4	69 x 6	269C-6-4	F78078
3/8	3/8	69 x 6 x 6	269C-6-6	F76550
3/8	1/2	69 x 6 x 8	269C-6-8	F77504
1/2	1/4	69 x 8 x 4	269C-8-4	F77560
1/2	3/8	69 x 8	269C-8-6	F73950
1/2	1/2	69 x 8 x 8	269C-8-8	F73089
5/8	3/8	69 x 10 x 6	269C-10-6	F7833
5/8	1/2	69 x 10	269C-10-8	F76299
3/4	1/2	69 x 12	269C-12-8	F76833
3/4	3/4			F78259



UNION ELBOW

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	65 x 2	165C-2	F78983
3/16	65 x 3	165C-3	F71776
1/4	65 x 4	165C-4	F71373
5/16	65 x 5	165C-5	F73555
3/8	65 x 6	165C-6	F77670
1/2	65 x 8	165C-8	F75544



MALE RUN TEE

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/16	1/8	71 x 3	171C-3-2	F73722
1/4	1/8	71 x 4	171C-4-2	F7606
5/16	1/8	71 x 5		F72867
3/8	1/4	71 x 6	171C-6-4	F77249



MALE CONNECTOR

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8	68 x 2	68C-2-2	F7625
3/16	1/8	68 x 3	68C-3-2	F75402
1/4	1/8	68 x 4	68C-4-2	F74770
1/4	1/4	68 x 4 x 4	68C-4-4	F77673
1/4	3/8	68 x 46		F73544
5/16	1/8	68 x 5	68C-5-2	F72065
5/16	1/4	68 x 5 x 4	68C-5-4	F74813
3/8	1/8	68 x 6 x 2	68C-6-2	F73353
3/8	1/4	68 x 6	68C-6-4	F74647
3/8	3/8	68 x 6 x 6	68C-6-6	F71299
3/8	1/2	68 x 6 x 8	68C-6-8	F73214
1/2	1/4	68 x 8 x 4	68C-8-4	F75016
1/2	3/8	68 x 8	68C-8-6	F75613
1/2	1/2	68 x 8 x 8	68C-8-8	F75672
5/8	1/2	68 x 10	68C-10-8	F77657
3/4	1/2	68 x 12	68C-12-8	F7336



UNION

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	62 x 2	62C-2	F75514
3/16	62 x 3	62C-3	F7138
1/4	62 x 4	62C-4	F71705
5/16	62 x 5	62C-5	F76724
3/8	62 x 6	62C-6	F71265
1/2	62 x 8	62C-8	F7128
5/8	62 x 10	62C-10	F7812
3/4	62 x 12	62C-12	F72440



FEMALE CONNECTOR

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8	66 x 2	66C-2-2	F73537
3/16	1/8	66 x 3	66C-3-2	F76046
1/4	1/8	66 x 4	66C-4-2	F75080
1/4	1/4	66 x 4 x 4	66C-4-4	F75876
5/16	1/8	66 x 5	66C-5-2	F7960
5/16	1/4	66 x 5 x 4	66C-5-4	F75463
3/8	1/8	66 x 6 x 2	66C-6-2	F76129
3/8	1/4	66 x 6	66C-6-4	F73778
3/8	3/8	66 x 6 x 6	66C-6-6	F71165
1/2	3/8	66 x 8		F75112



MALE BRANCH TEE

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/16	1/8	72 x 3	172C-3-2	F72843
1/4	1/8	72 x 4	172C-4-2	F71579
5/16	1/8	72 x 5		F72342
3/8	1/4	72 x 6	172C-6-4	F7747
1/2	3/8	72 x 8	172C-8-6	F77289



FEMALE ELBOW

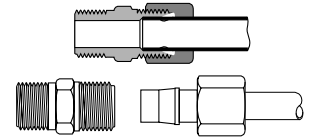
Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4	1/8	70 x 4	270C-4-2	F76863
5/16	1/8	70 x 5		F7238
3/8	1/4	70 x 6	270C-6-4	F71712
1/2	3/8	70 x 8	270C-8-6	F74239
1/2	1/2			F73840



FITTINGS — BRASS SELF ALIGN TUBE

Typical Applications	Instrumentation and Low Pressure Air and Oil Systems
Pressure	Up to 2000 PSI depending on tube size
Sealing Method	3-Piece Compression
Vibration Rating	Fair, use long nut when greater vibration resistance is required
Temperature	-65°F to +250°F
Material	CA360 Brass
Vibration Rating Used With	Good. Use long nut when greater vibration resistance is needed Copper, aluminum or plastic tubing. Soft plastic tubing requires an internal tube support. Not recommended for steel tubing.
Advantages	Easy to assemble, no flaring. Same body and long nut as compression
Conformance	User approvals only
Identifying Characteristics	Tapered sleeve

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NUT

Tube Size	Equivalent Eaton No.	Part No.
1/8	611 x 2	F74636
3/16	611 x 3	F76054
1/4	611 x 4	F75877
5/16	611 x 5	F77402
3/8	611 x 6	F73030
1/2	611 x 8	F74090



SLEEVE

Tube Size	Equivalent Eaton No.	Part No.
1/8	601 x 2	F74713
3/16	601 x 3	F78239
1/4	601 x 4	F76777
5/16	601 x 5	F7668
3/8	601 x 6	F7776
1/2	601 x 8	F71577



UNION

Tube Size	Equivalent Eaton No.	Part No.
1/8	621 x 2	F75609
5/32		F74822
3/16	621 x 3	F76202
1/4	621 x 4	F75587
5/16	621 x 5	F77539
3/8	621 x 6	F71821
1/2	621 x 8	F78224
5/8	621 x 10	F71706



LONG NUT

Tube Size	Equivalent Eaton No.	Part No.
3/16	1611 x 3	F75617
1/4	1611 x 4	F72640



MALE ELBOW

Tube Size	Pipe Size	Equivalent Eaton No.	Part No.
1/8	1/16	691 x 2 x 1	F74423
1/8	1/8	691 x 2	F74717
3/16	1/8	691 x 3	F73424
1/4	1/8	691 x 4	F75132
5/16	1/4	691 x 5 x 4	F73272
3/8	1/4	691 x 6	F74476
3/8	3/8	691 x 6 x 6	F75975
3/8	1/2	691 x 6 x 8	F77303
1/2	3/8	691 x 8	F71852



UNION ELBOW

Tube Size	Equivalent Eaton No.	Part No.
1/4	651 x 4	F72719
3/8	651 x 6	F75481



FEMALE CONNECTOR

Tube Size	Pipe Size	Equivalent Eaton No.	Part No.
1/4	1/8	661 x 4	F7346



MALE CONNECTOR

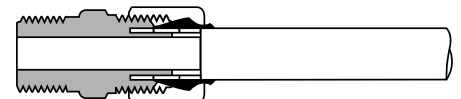
Tube Size	Pipe Size	Equivalent Eaton No.	Part No.
1/8	1/6	681 x 2 x 1	F77925
1/8	1/8	681 x 2	F74195
3/16	1/8	681 x 3	F73957
1/4	1/8	681 x 4	F76995
1/4	1/4	681 x 4 x 4	F71245
5/16	1/8	681 x 5	F73510
5/16	1/4	681 x 5 x 4	F73157
3/8	1/8	681 x 6 x 2	F75295
3/8	1/4	681 x 6	F74084
3/8	3/8	681 x 6 x 6	F74526
1/2	1/4	681 x 8 x 4	F72970
1/2	3/8	681 x 8	F78127
5/8	1/2	681 x 10	F73519



7

FITTINGS — BRASS POLY-FIT FLARELESS TUBE

Typical Application	Pneumatic instrumentation circuits, lubrication and cooling lines
Pressure	Up to 500 PSI
Temperature Range	Depends on tubing used, -65°F to +250°F with brass sleeve, -40°F to +150°F with plastic sleeve
Material	CA 360 Brass body, plastic sleeve
Advantages	No flaring of tubing required



Size	x2	x3	x46	x4	x5	x6	x8
Tube O.D.	1/8	3/16	1/4	1/4	5/16	3/8	1/2
Thread	5/16-24	3/8-24	3/8-24	3/8-24	7/16-24	1/2-24	11/16-20
Flow Dia. (D1)	*.094	*.125	.085	.125	.141	.203	.312

*No tube support in assembly — Flow Diameter for body only.

FLUID POWER

2 Brass Fittings

FITTINGS — BRASS POLY-FIT FLARELESS TUBE (continued)

PLASTIC SLEEVE

Tube Size	Equivalent Eaton No.	Part No.
1/4	1260 x 4	F7147
5/16	1260 x 5	F76561
3/8	1260 x 6	F73463
1/2	1260 x 8	F7878



BRASS SLEEVE

Tube Size	Equivalent Eaton No.	Part No.
1/2	1260 x 8B	F7976



BRASS NUT/PLASTIC SLEEVE ASSEMBLY

Tube Size	Equivalent Eaton No.	Part No.
1/4	1261 x 4A	F76362
5/16	1261 x 5A	F73255
3/8	1261 x 6A	F77568
1/2	1261 x 8A	F76750



UNION

Tube O.D.	Equivalent Eaton No.	Part No.
1/4	1262 x 4	F77231
3/8	1262 x 6	F76440
1/2	1262 x 8	F75720



FEMALE CONNECTOR

Tube O.D.	Fem. Pipe Thread	Equivalent Eaton No.	Part No.
1/8	1/8	1266 x 2	F71345
1/4	1/8	1266 x 4	F77083
1/4	1/4	1266 x 4 x 4	F76272
3/8	1/4	1266 x 6	F74244
1/2	3/8	1266 x 8	F77918



UNION TEE

Tube O.D.	Equivalent Eaton No.	Part No.
1/4	1264 x 4	F75401
5/16	1264 x 5	F7285
3/8	1264 x 6	F7219
1/2	1264 x 8	F73282



BRASS NUT

Tube Size	Equivalent Eaton No.	Part No.
3/16	1261 x 3	F76183
1/4	1261 x 4	F757
5/16	1261 x 5	F72068
3/8	1261 x 6	F71206
1/2	1261 x 8	F72228



MALE CONNECTOR

Tube O.D.	Fem. Pipe Thread	Equivalent Eaton No.	Part No.
1/8	1/8	1268 x 2	F74753
1/4	1/16	1268 x 4 x 1	F78206
1/4	1/8	1268 x 4	F74404
1/4	1/4	1268 x 4 x 4	F74067
1/4	3/8	1268 x 4 x 6	F7123
3/8	1/8	1268 x 6 x 2	F71734
3/8	1/4	1268 x 6	F7440
3/8	3/8	1268 x 6 x 6	F76147
1/2	3/8	1268 x 8	F73052
1/2	1/2	1268 x 8 x 8	F79660



BULKHEAD UNION

Tube O.D.	Equivalent Eaton No.	Part No.
1/4	1274 x 4	F75920
3/8	1274 x 6	F7156
1/2	1274 x 8	F78026



MALE ELBOW

Tube O.D.	Fem. Pipe Thread	Equivalent Eaton No.	Part No.
1/4	1/16	1269 x 4 x 1	F76685
1/4	1/8	1269 x 4	F7858
1/4	1/4	1269 x 4 x 4	F75272
5/16	1/8	1269 x 5	F72797
3/8	1/8	1269 x 6 x 2	F75484
3/8	1/4	1269 x 6	F76622
3/8	3/8	1269 x 6 x 6	F78108
1/2	3/8	1269 x 8	F7783



MALE BRANCH TEE

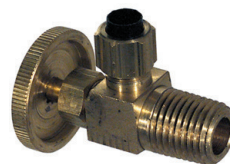
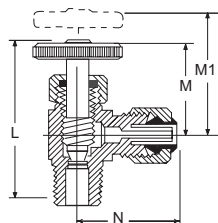
Tube O.D.	Male Pipe Thread	Equivalent Eaton No.	Part No.
1/4	1/8	1272 x 4	F78236
3/8	1/4	1272 x 6	F76488
1/2	3/8	1272 x 8	F78932



Typical Application Instrumentation, hydraulic and pneumatic system
Pressure 150 PSI maximum (does not include plastic tubing)
Temperature Range -40°F to +150°F with plastic sleeve
Material Brass bodies and brass handle

POLYLINE ANGLE NEEDLE VALVES

Tube O.D.	Male Pipe Thread	L	M	M1	N	Equivalent Eaton No.	Part No.
1/4	1/8	1.50	.82	1.04	.48	A555P	F71223
1/4	1/4	1.70	.84	1.06	.56	A556P	F72338



FITTINGS — BRASS PUSH-IN TUBE

Typical Applications	Instrumentation, Hydraulic and Pneumatic Systems
Pressure	Up to 300 PSI
Sealing Method	Nitrile O-Ring
Vibration Rating	Good
Temperature	-0°F to + 200°F
Material	Brass Nickel Plated
Used With	Copper, aluminum or plastic tubing. Soft plastic tubing requires no tube support.
Advantages	Easy to assemble one piece fitting
Conformance	Meets specifications and standards of ASE, ASME, SAE and MS

UNION

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1162 x 2	62PL-2	F73296
5/32	1162 x 2.5	62PL-5/32	F77716
3/16		62PL-3	F71991
1/4	1162 x 4	62PL-4	F72852
5/16	1162 x 5	62PL-5	F77747
3/8	1162 x 6	62PL-6	F71869
1/2	1162 x 8	62PL-8	F75014



BULKHEAD UNION

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1174 x 2	62PBHL-2	F77801
5/32	1174 x 2.5	62PBHL-5/32	F75113
1/4	1174 x 4	62PBHL-4	F72694
5/16	1174 x 5	62PBHL-5	F74250
3/8	1174 x 6	62PBHL-6	F77714
1/2	1174 x 8	62PBHL-8	F71225



UNION TEE

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1164 x 2	164PL-2	F71121
5/32	1164 x 2.5	164PL-5/32	F7676
1/4	1164 x 4	164PL-4	F75904
5/16	1164 x 5	164PL-5	F73745
3/8	1164 x 6	164PL-6	F7773
1/2	1164 x 8	164PL-8	F72994



PLUG

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1129 x 2	639PL-2	F7334
5/32	1129 x 2.5	639PL-5/32	F72380
1/4	1129 x 4	639PL-1/4	F74897
5/16	1129 x 5	639PL-5/16	F71093
3/8	1129 x 6	639PL-3/8	F72718
1/2	1129 x 8	639PL-1/2	F75299



FEMALE CONNECTOR

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8	1166 x 2	66PL-2-2	F72875
1/4	1/4		66PL-4-4	F72504
3/8	1/4	166 x 6	66PL-6-4	F77647
3/8	3/8	166 x 6 x 6	66PL-6-6	F75152



UNION ELBOW

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1165 x 2	165PL-2	F71719
5/32	1165 x 2.5	165PL-5/32	F78089
1/4	1165 x 4	165PL-4	F71950
5/16	1165 x 5	165PL-5	F72111
3/8	1165 x 6	165PL-6	F75727
1/2	1165 x 8	165PL-8	F72632



MALE ELBOW 90°

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8		W169PLNS-2-2	F75660



MALE RUN TEE SWIVEL

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8	1171 x 2S	W171PL-2-2	F7544
1/4	1/8	1171 x 4S	W171PL-4-2	F76602
3/8	1/4	1171 x 6S	W171PL-6-4	F73060
3/8	3/8	1171 x 6 x 6S	W171PL-6-6	F73947



FITTINGS — BRASS PUSH-IN TUBE (continued)

MALE CONNECTOR

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8*	1/16		W68PL-2-1	F74498
1/8*	1/8	1168 x 2	W68PL-2-2	F76626
1/8*	1/4	1168 x 2 x 4	W68PL-2-4	F76985
3/16*	1/4		W68PL-3-4	F72199
1/8*	10/32	1168 x 2A	W68PL-2-10 x 32	F72002
5/32	1/8	1168 x 2.5	W68PL-5/32-2	F7237
5/32	1/4	1168 x 2.5 x 4	W68PL-5/32-4	F7695
5/32	10/32	1168 x 2.5A	W68PL-5/32-10 x 32	F7799
1/4	1/8	1168 x 4	W68PL-4-2	F77251
1/4	1/4	1168 x 4 x 4	W68PL-4-4	F74241
1/4	3/8	1168 x 4 x 6	W68PL-4-6	F73773
1/4	10/32	1168 x 4A	W68PL-4-10 x 32	F7709
5/16	1/8	1168 x 5	W68PL-5-2	F76975
5/16	1/4	1168 x 5 x 4	W68PL-5-4	F74384
5/16	3/8	1168 x 5 x 6	W68PL-5-6	F72239
3/8	1/8	1168 x 6 x 2	W68PL-6-2	F71522
3/8	1/4	1168 x 6 x 4	W68PL-6-4	F76044
3/8	3/8	1168 x 6 x 6	W68PL-6-6	F78203
3/8	1/2	1168 x 6 x 8	W68PL-6-8	F77758
1/2	1/4		W68PL-8-4	F73120
1/2	3/8	1168 x 8	W68PL-8-6	F73516
1/2	1/2	1168 x 8 x 8	W68PL-8-8	F71879

*Plastic button, metal body.



MALE BRANCH TEE SWIVEL

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8	1172 x 2S	W172PL-2-2	F74750
1/4	1/8	1172 x 4S	W172PL-4-2	F71796
1/4	1/4	1172 x 4 x 4S	W172PL-4-4	F7240
3/8	1/4	1172 x 6S	W172PL-6-4	F72284
3/8	3/8	1172 x 6 x 6S	W172PL-6-6	F76453



MALE ELBOW 90° SWIVEL

Tube Size	Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/8	1169 x 2S	W169PL-2-2	F77247
1/8	1/4	1169 x 2 x 4S	W169PL-2-4	F77671
5/32	1/8	1169 x 2.5S	W169PL-5/32-2	F71392
5/32	10/32	1169 x 2.5AS	W169PL-5/32-10 x 32	F76218
1/4	1/8	1169 x 4S	W169PL-4-2	F76983
1/4	1/4	1169 x 4 x 4S	W169PL-4-4	F76598
1/4	3/8	1169 x 4 x 6S	W169PL-4-6	F77603
3/8	1/8		W169PL-6-2	F72494
3/8	1/4	1169 x 6S	W169PL-6-4	F75032
3/8	3/8	1169 x 6 x 6S	W169PL-6-6	F7287
3/8	1/2	1169 x 6 x 8S	W169PL-6-8	F7108
1/2	1/4	1169 x 8 x 4S	W169PL-8-4	F74976
1/2	3/8	1169 x 8S	W169PL-8-6	F73732
1/2	1/2	1169 x 8 x 8S	W169PL-8-8	F73900



FITTINGS — BRASS METRIC PUSH-IN TUBE

Typical Applications Instrumentation, hydraulic and pneumatic systems
Pressure Up to 300 PSI
Sealing Method Nitrile O-Ring
Vibration Rating Good
Temperature -0°F to + 150°F
Material Brass Nickel Plated
Used With Copper, aluminum or plastic tubing.
 Soft plastic tubing requires no tube support.
Advantages Easy to assemble one piece fitting

UNION

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
4	1162 x 4M	HPB4	F7981
6	1162 x 6M	HPB6	F74993
8	1162 x 8M	HPB8	F72332
10	1162 x 10M	HPB10	F74542



UNION ELBOW

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
4	1165 x 4M	EPB-4	F77526
6	1165 x 6M	EPB-6	F71520
8	1165 x 8M	EPB-8	F75281
12	1165 x 12M		F71806



PLUG

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
6	1129 x 6MRP	FNPB-6	F75853



UNION TEE

Tube Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
4	1164 x 4M	JPB-4	F74833
6	1164 x 6M	JPB-6	F75579
8	1164 x 8M	JPB-8	F73843
10	1164 x 10M	JPB-10	F72714
12	1164 x 12M		F75821



MALE CONNECTOR

Tube Size	BSPT	Equivalent Eaton No.	Equivalent Parker No.	Part No.
4	1/8	1168x4Mx2PP	F3PB4-1/8	F73796
4	1/4	1168x4Mx4PP	F3PB4-1/4	F75109
6	1/8	1168x6Mx2PP	F3PB6-1/8	F7822
6	1/4	1168x6Mx4PP	F3PB6-1/4	F7452
8	1/8	1168x8Mx2PP	F3PB8-1/8	F77406
8	1/4	1168x8Mx4PP	F3PB8-1/4	F72579
8	3/8	1168x8Mx6PP	F3PB8-3/8	F75974
10	1/4	1168x10Mx4PP	F3PB10-1/4	F73906
10	3/8	1168x10Mx6PP	F3PB10-3/8	F73965



FITTINGS — BRASS METRIC PUSH-IN TUBE (continued)

MALE ELBOW 90°

Tube Size	BSPT	Equivalent Eaton No.	Equivalent Parker No.	Part No.
4	1/8	1169x4Mx2PPS	C63PB4-1/8	F74325
4	1/4	1169x4Mx4PPS	C63PB4-1/4	F71611
6	1/8	1169x6Mx2PPS	C63PB6-1/8	F77416
6	1/4	1169x6Mx4PPS	C63PB6-1/4	F7361
8	1/8	1169x8Mx2PPS	C63PB8-1/8	F72418
8	1/4	1169x8Mx4PPS	C63PB8-1/4	F75670
10	1/4	1169x10Mx4PPS	C63PB10-1/4	F74736
10	3/8	1169x10Mx6PPS	C63PB10-3/8	F75936



MALE COMPACT ELBOW 90°

Tube Size	BSPT	Equivalent Eaton No.	Equivalent Parker No.	Part No.
4	1/8	1169x4Mx2PT	C3PB4-1/8	F77202
6	1/8	1169x6Mx2PT	C3PB6-1/8	F74772
6	1/4	1169x6Mx4PT	C3PB6-1/4	F72173
8	1/8	1169x8Mx2PT	C3PB8-1/8	F73875
8	1/4	1169x8Mx4PT	C3PB8-1/4	F73020
10	1/4	1169x10Mx4PT	C3PB10-1/4	F76357



FITTINGS — BRASS UNIVERSAL THREAD

NPTF - BSPP - BSPT - ISO 7 - ISO 228 - G THREAD - J THREAD

Pressure Rating: Vacuum - 250 psi

Temp Rating: 0 - 160 F

Tubing: Nylon, Polyethylene, Polyurethane, Copper

Material: Nickel Plated Brass

Features:

- No Stripped Fittings
- No Stripped Ports
- Completely Reusable
- Quick Installation
- No Pitch Identification

STRAIGHT MALE - INCH TUBE

TUBE	THREAD (A)	LENGTH (L)	Part No.
1/8	1/8	.650	F79688
1/8	1/4	.728	F79687
1/4	1/8	.846	F79689
1/4	1/4	.807	F79690
5/16 (M8)	1/8	.945	F79551
5/16 (M8)	1/4	.846	F79552
5/16 (M8)	3/8	.905	F79685
5/16 (M8)	1/2	.925	F79686
3/8	1/8	1.082	F79692
3/8	1/4	1.082	F79693
3/8	3/8	1.023	F79548
3/8	1/2	1.023	F79694
1/2	1/4	1.222	F79549
1/2	3/8	1.222	F79695
1/2	1/2	1.222	F79550



STRAIGHT MALE - METRIC TUBE

TUBE	THREAD (A)	LENGTH (L)	Part No.
M6	1/8	.846	F79672
M6	1/4	.826	F79673
M6	3/8	.905	F79675
M6	1/2	.925	F79674
M8 (5/16)	1/8	.964	F79551
M8 (5/16)	1/4	.866	F79552
M8 (5/16)	3/8	.905	F79685
M8 (5/16)	1/2	.925	F79686
M10	1/4	1.102	F79525
M10	3/8	1.165	F79667
M10	1/2	1.023	F79668
M12	1/4	1.24	F79669
M12	3/8	1.161	F79670
M12	1/2	1.24	F79671



SWIVEL ELBOW MALE - INCH TUBE

TUBE	THREAD (A)	L1	L2	Part No.
1/8	1/8	.708	.354	F79696
1/8	1/4	.708	.771	F79698
5/32	1/4	.826	.768	F79702
1/4	1/8	.885	.776	F79699
1/4	1/4	.885	.776	F79700
1/4	3/8	.885	.776	F79554
5/16 (M8)	1/8	.885	.885	F79701
5/16 (M8)	1/4	.885	.885	F79702
5/16 (M8)	3/8	.885	.905	F79703
5/16 (M8)	1/2	.885	.216	F79704
3/8	1/4	1.054	1.024	F79556
3/8	3/8	.972	1.024	F79705
3/8	1/2	1.07	1.024	F79706
1/2	1/4	1.201	1.13	F79557
1/2	3/8	1.201	1.051	F79708
1/2	1/2	1.201	1.15	F79558



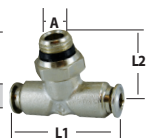
SWIVEL ELBOW MALE - METRIC TUBE

TUBE	THREAD (A)	L1	L2	Part No.
M6	1/8	.708	.354	F79707
M6	1/4	.708	.771	F79678
M8 (5/16)	1/8	.885	.885	F79701
M8 (5/16)	1/4	.885	.885	F79702
M8 (5/16)	3/8	.885	.905	F79703
M8 (5/16)	1/2	.885	.216	F79704
M10	1/4	1.054	1.024	F79533
M10	3/8	.972	1.024	F79534
M10	1/2	1.043	1.062	F79535
M12	3/8	1.24	1.043	F79677
M12	1/2	1.24	1.141	F79676



SWIVEL BRANCH TEE - INCH TUBE

TUBE	THREAD (A)	L1	L2	Part No.
5/32	1/8	1.338	.885	F79560



SWIVEL RUN TEE - INCH TUBE

TUBE	THREAD (A)	L1	L2	Part No.
3/8	1/4	1.062	1.043	F79562



FLUID POWER

2 Brass Fittings

FITTINGS — BRASS MINI BARB TUBE

EATON | Weatherhead

- **Typical Application:** Temperature control circuits, test apparatus, lubricant, cooling lines, pneumatic circuits, vacuum and fluid systems
- **Pressure:** Will stand burst pressures of plastic tubing
- **Vibration:** Excellent resistance
- **Temperature range:** Depends on tubing used
- **Material:** CA360 Brass
- **Used with:** Plastic tubing
- **Advantages:** Quick connecting - no tube preparation. Hand assembly. One piece push-on design. Barbed lip provides safe, positive connection. Compact size permits use in extremely tight areas.

MALE ELBOW

Tubing O.D.	Male Pipe Thread	Equivalent Eaton No.	Part No.
1/4	1/8	1069 x 4	F73935



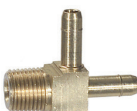
PLUG

Tubing O.D.	Equivalent Eaton No.	Part No.
1/4	1073 x 4	F71999



MALE RUN TEE

Tubing O.D.	Male Pipe Thread	Equivalent Eaton No.	Part No.
1/4	1/8	1071 x 4	F72090



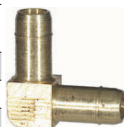
MALE CONNECTOR

Tubing O.D.	Male Pipe Thread	Equivalent Eaton No.	Part No.
1/4	1/8	1068 x 4	F74390



UNION ELBOW

Tubing O.D.	Equivalent Eaton No.	Part No.
1/4	1065 x 4	F76469
3/8	1065 x 6	F71098
1/2	1065 x 8	F74644



UNION TEE

Tubing O.D.	Equivalent Eaton No.	Part No.
1/4	1064 x 4	F74837
3/8	1064 x 6	F74336
1/2	1064 x 8	F71868



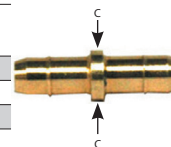
COMPRESSION CONNECTOR

Tubing O.D.	Comp Tube Size	Equivalent Eaton No.	Part No.
1/4	1/4	1078 x 4 x 4	F74943



UNION

Tubing O.D.	Dia C	Equivalent Eaton No.	Part No.
5/32			F71415
3/8 x 1/4	5/16	1062 x 6 x 4	F78081
1/4	1/4	1062 x 4	F73891
3/8	5/16	1062 x 6	F73342



FITTINGS — BRASS D.O.T. AIR BRAKE

2 Types Available: With or without Thread Sealant

Pressure: Maximum 150 PSI

Sealing Method: 3-Piece Compression

Vibration Rating: Fair

Temperature: -40°F to +200°F

Material: CA360 Brass

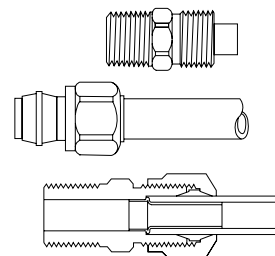
Used With: D.O.T. Nylon Tubing - Refer to Automotive Hose Section

Typical Applications: Air Brake Systems except where temperatures exceed +200°F or where battery acid can drip on tubing

Advantages: Easy to assemble (no tube preparation or bending required).

Built in tube support. Meets SAE and D.O.T. Standards

Identifying Characteristics: Designation 'D.O.T.' or 'AB' stamped on nut. Bodies come with a captive support stem. Sleeve is barrel shape with a ridge in the center.



45° MALE ELBOW

Tube O.D.	Pipe Thread	Equivalent Eaton No.	Equivalent Parker No.	Part No.	With Sealant Part No.
1/4	1/8	1480 x 4	279NTA-4-2	F77658	F76814
1/4	1/4	1480 x 4 x 4	279NTA-4-4	F74170	F71585
3/8	1/4	1480 x 6	279NTA-6-4	F77824	F77727
3/8	3/8	1480 x 6 x 6	279NTA-6-6	F73993	F75567
1/2	1/4	1480 x 8 x 4	279NTA-8-4	F76448	
1/2	3/8	1480 x 8	279NTA-8-6	F71597	F797
1/2	1/2	1480 x 8 x 8	279NTA-8-8	F74967	F71878
5/8	1/2	1480 x 10	279NTA-10-8	F7961	F72314



FITTINGS — BRASS D.O.T. AIR BRAKE (continued)

90° MALE ELBOW

Tube O.D.	Pipe Thread	Equivalent Eaton No.	Equivalent Parker No.	Part No.	With Sealant Part No.
5/32	1/8			F77518	
3/16	1/8		269NTA-3-2		F79648
3/16	1/4		269NTA-3-4		F79650
1/4	1/8	1469 x 4	269NTA-4-2	F72337	F77451
1/4	1/4	1469 x 4 x 4	269NTA-4-4	F76902	F78307
1/4	3/8	1469 x 4 x 6	269NTA-4-6	F78178	F78252
3/8	1/8	1469 x 6 x 2	269NTA-6-2	F7277	F72691
3/8	1/4	1469 x 6	269NTA-6-4	F77367	F73550
3/8	3/8	1469 x 6 x 6	269NTA-6-6	F73110	F73128
3/8	1/2	1469 x 6 x 8	269NTA-6-8	F77828	F7628
1/2	1/4	1469 x 8 x 4	269NTA-8-4	F75801	F75004
1/2	3/8	1469 x 8	269NTA-8-6	F75335	F76188
1/2	1/2	1469 x 8 x 8	269NTA-8-8	F74693	F72312
5/8	3/8	1469 x 10 x 6	269NTA-10-6	F71970	F71756
5/8	1/2	1469 x 10	269NTA-10-8	F76761	F78040
5/8	3/4	1469 x 10 x 12		F7132	
3/4	1/2	1469 x 12	269NTA-12-8	F7611	F74764



MALE CONNECTOR

Tube O.D.	Pipe Thread	Equivalent Eaton No.	Equivalent Parker No.	Part No.	With Sealant Part No.
3/16*	1/16		68NTA-3-1	F76636	
3/16*	1/8		68NTA-3-2	F71277	
3/16*	1/4		68NTA-3-4	F7389	
1/4	1/16	1468 x 4 x 1	68NTA-4-1	F77534	
1/4	1/8	1468 x 4	68NTA-4-2	F76659	F73595
1/4	1/4	1468 x 4 x 4	68NTA-4-4	F77481	F77038
1/4	3/8	1468 x 4 x 6	68NTA-4-6	F76813	F7431
3/8	1/8	1468 x 6 x 2	68NTA-6-2	F74616	F71320
3/8	1/4	1468 x 6	68NTA-6-4	F77351	F73605
3/8	3/8	1468 x 6 x 6	68NTA-6-6	F74562	F7643
3/8	1/2	1468 x 6 x 8	68NTA-6-8	F76017	F75728
1/2	1/4	1468 x 8 x 4	68NTA-8-4	F71593	F7921
1/2	3/8	1468 x 8	68NTA-8-6	F73240	F76957
1/2	1/2	1468 x 8 x 8	68NTA-8-8	F7563	F77439
1/2	3/4	1468 x 8 x 12	68NTA-8-12	F73492	
5/8	3/8	1468 x 10 x 6	68NTA-10-6	F74930	F7186
5/8	1/2	1468 x 10	68NTA-10-8	F71368	F75583
5/8	3/4	1468 x 10 x 12	68NTA-10-12	F72899	
3/4	1/2	1468 x 12	68NTA-12-8	F77553	F73578
3/4	3/4	1468 x 12 x 12	68NTA-12-12	F75582	F73886

* These items have thread sealant.



BULKHEAD UNION

Tube O.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/16		62NBH-3	F77111
1/4	1474 x 4	62NBH-4	F75554
3/8	1474 x 6	62NBH-6	F74038



UNION

Tube O.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4	1462 x 4	62NTA-4	F73530
3/8	1462 x 6	62NTA-6	F72550
1/2	1462 x 8	62NTA-8	F73127
5/8	1462 x 10	62NTA-10	F7525
3/4	1462 x 12	62NTA-12	F73731



MALE RUN TEE

Tube O.D.	Pipe Thread	Equivalent Eaton No.	Equivalent Parker No.	Part No.	With Sealant Part No.
1/4		1471 x 4	271NTA-4-2	F74765	F77680
1/4	1/4			F74254	
3/8	1/4	1471 x 6	271NTA-6-4	F73346	F72685
3/8 x 1/4	1/4	1471 x 6 x 4 x 4		F77387	
3/8	3/8	1471 x 6 x 6 x 6	271NTA-6-6	F76215	F74561
1/2	3/8	1471 x 8	271NTA-8-6	F71311	F73453



UNION TEE

Tube O.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4	1464 x 4	264NTA-4	F73149
3/8	1464 x 6	264NTA-6	F76889
3/8 x 3/8 x 1/4	1464 x 6 x 6 x 4	264NTA-8	F78283
1/2	1464 x 8		F72683
1/2 x 1/2 x 3/8	1464 x 8 x 8 x 6		F71841
5/8			F71656



FEMALE CONNECTOR

Tube O.D.	Pipe Thread	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4	1/8		66NTA-4-2	F77557
1/4	1/4		66NTA-4-4	F75119
3/8	1/8	1466 x 6 x 2	66NTA-6-2	F71129
3/8	1/4	1466 x 6	66NTA-6-4	F7997
3/8	3/8	1466 x 6 x 6	66NTA-6-6	F73627
1/2	3/8	1466 x 8	66NTA-8-6	F77659
1/2	1/2			F75534
5/8	3/8			F74620



UNION ELBOW

Tube O.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4			F73229
3/8	1465 x 6	265NTA-6	F73724
1/2	1465 x 8	265NTA-8	F77908
5/8	1465 x 10	265NTA-10	F75192



FLUID POWER

2 Brass Fittings

FITTINGS — BRASS D.O.T. AIR BRAKE (continued)

NUT



Tube O.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/16		61NTA-3	F71971
1/4	1461 x 4	61NTA-4	F73730
3/8	1461 x 6	61NTA-6	F73412
1/2	1461 x 8	61NTA-8	F75836
5/8	1461 x 10	61NTA-10	F74478
3/4	1461 x 12	61NTA-12	F76093

SLEEVE



Tube O.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/16		60NTA-3	F73108
1/4	1460 x 4	60NTA-4	F73980
3/8	1460 x 6	60NTA-6	F74445
1/2	1460 x 8	60NTA-8	F71511
5/8	1460 x 10	60NTA-10	F75969
3/4	1460 x 12	60NTA-12	F74081

TUBE SUPPORT



Tube O.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4	1484 x 4	63NTA-4	F73318
3/8	1484 x 6	63NTA-6	F75002
1/2	1484 x 8	63NTA-8	F7198
5/8	1484 x 10	63NTA-10	F78096
3/4	1484 x 12	63NTA-12	F7250

MALE BRANCH TEE



Tube O.D.	Pipe Thread	Equivalent Eaton No.	Equivalent Parker No.	Part No.	With Sealant Part No.
1/4	1/8			F77563	F7423
1/4	1/4			F77057	F77223
3/8	1/4	1472 x 6	272NTA-6-4	F72177	F72165
3/8 x 1/4	1/4	1472 x 6 x 4 x 4		F73024	
3/8	3/8	1472 x 6 x 6 x 6	272NTA-8-4	F7259	F78310
1/2	1/4	1472 x 8 x 8 x 4		F71285	
1/2	3/8	1472 x 8	272NTA-8-6	F7903	F77802
1/2 x 3/8	3/8	1472 x 8 x 6 x 6		F77706	

90° FEMALE ELBOW



Tube O.D.	Pipe Thread	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/8	1/4	1470 x 6	270NTA-6-4	F74115
3/8	3/8	1470 x 6 x 6	270NTA-8-4	F75289
1/2	3/8	1470 x 8	270NTA-8-6	F7153

STEEL INSERT



Tube O.D.	Insert O.D.	Length	Equivalent Parker No.	Part No.
1/4	.163"	.53"	63NTA-4	F773
3/8	.245"	.64"	63NTA-6	F71828
1/2	.370"	.81"	63NTA-8	F75362
5/8	.434"	.87"	63NTA-10	F71928
3/4	.559"	1.04"	63NTA-12	F72729

FITTINGS — BRASS SHIFTER

7

- **Material:** Brass
- **Applications:** Air-operated Fuller transmission shifters
- **Used With:** Air brake nylon tubing

SLEEVE SERRATED



Tube O.D.	Equivalent Essex No.	Equivalent Fuller No.	Part No.
1/8	280 x 2	83001	F76860
5/32	280 x 52	83002	F74629

UNION



Tube O.D.	Equivalent Essex No.	Equivalent Fuller No.	Part No.
1/8	283 x 2		F78294
5/32	283 x 52	84102	F73800

MALE CONNECTOR TRANSMISSION



Tube O.D.	Pipe Thread	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	1/16	282 x 2 x 1	84001	F71925
1/8	1/8	282 x 2 x 2	84002	F75134
5/32	1/16	282 x 52 x 16	84004	F7234
5/32	1/8	282 x 525	84003	F77971

NUT



Tube O.D.	Equivalent Essex No.	Equivalent Fuller No.	Part No.
1/8	281 x 2	83051	F71540
5/32	281 x 52	83052	F75930

ELBOW



Tube O.D.	Pipe Thread	Equivalent Essex No.	Equivalent Fuller No.	Part No.
1/8	1/16			F76496
1/8	1/8	284 x 2	84502	F71856
5/32	1/8	284 x 525	85001	F73251

INSERT

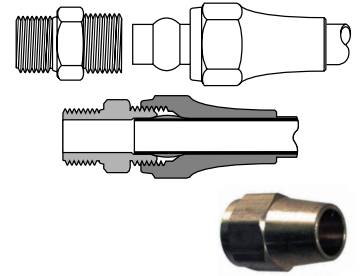


Tube O.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	295 x 2		F74732

FITTINGS — BRASS AIR BRAKE FOR COPPER

Pressure Maximum 150 PSI
Sealing Method 3-Piece Compression
Vibration Rating Fair
Temperature -65°F to +250°F
Material CA360 Brass
Used With Copper tubing in air brake systems
Typical Applications Air Brake Systems
Advantages Easy to assemble (no flaring). May be used with nylon tubing by replacing long nut an spherical sleeve with insert, rigid sleeve and nut
Conformance Meets specifications and standards of SAE and DOT.
Identifying Characteristics Designation 'AB' or DOT stamped on nut

EATON | Weatherhead



SLEEVE

Tube O.D.	Equivalent Eaton No.	Part No.
1/4	136 x 4	F74761
3/8	136 x 6	F7409
1/2	136 x 8	F72254
5/8	136 x 10	F77831
3/4	136 x 12	F73491



NUT

Tube O.D.	Equivalent Eaton No.	Part No.
1/4	1361 x 4	F77193
3/8	1361 x 6	F73419
1/2	1361 x 8	F7632
5/8	1361 x 10	F72639
3/4	1361 x 12	F71077



FEMALE CONNECTOR

Tube O.D.	Pipe Thread	Equivalent Eaton No.	Part No.
3/8	1/4	1366 x 6	F72942
3/8	3/8	1366 x 6 x 6	F78939



UNION

Tube O.D.	Equivalent Eaton No.	Part No.
1/4	1362 x 4	F76792
3/8	1362 x 6	F7506
1/2	1362 x 8	F77501
5/8	1362 x 10	F74139
3/4	1362 x 12	F73992



MALE CONNECTOR

Tube O.D.	Pipe Thread	Equivalent Eaton No.	Part No.
1/4	1/8	1368 x 4	F71491
1/4	1/4	1368 x 4 x 4	F74506
3/8	1/8	1368 x 6 x 2	F7738
3/8	1/4	1368 x 6	F73252
3/8	3/8	1368 x 6 x 6	F77661
3/8	1/2	1368 x 6 x 8	F75535
1/2	1/4	1368 x 8 x 4	F78116
1/2	3/8	1368 x 8	F72490
5/8	1/2	1368 x 10	F72436

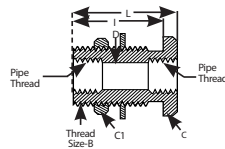


90° MALE ELBOW

Tube O.D.	Pipe Thread	Equivalent Eaton No.	Part No.
1/4	1/8	1369 x 4	F74446
1/4	1/4	1369 x 4 x 4	F7102
3/8	1/4	1369 x 6	F74545
3/8	3/8	1369 x 6 x 6	F75928
3/8	1/2	1369 x 6 x 8	F76952
1/2	3/8	1369 x 8	F71321
1/2	1/2	1369 x 8 x 8	F72078



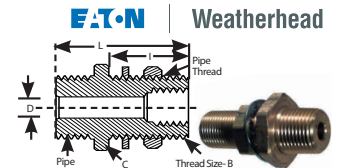
BULKHEAD COUPLING (BRASS)



Fem. Pipe Thread	Thread Size B	Hex C	Hex C1	D	I	L	Equivalent Eaton No.	Part No.
1/4	3/4-16	1	15/16	.422	1.25	1.50	1344	F76347
1/4	3/4-16	1	15/16	.422	.69	.94	1345	F76495
3/8	1-14	1-1/8	1-3/8	.563	1.06	1.31	1346	F71462
1/2	1-7/8-14	1-1/4	1-3/8	.703	1.19	1.50	1351	F73707

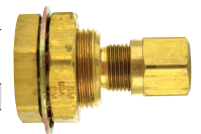
BULKHEAD COUPLING (BRASS)

Male Pipe Thread	Fem. Pipe Thread	Thread Size B	Hex C	D	I	L	Equivalent Eaton No.	Part No.
1/2	1/4	3/4-16	1-1/4	.312	1.13	2.16	1340	F74094
1/2	1/4	3/4-16	1-1/4	.312	1.53	2.53	1341	F74234



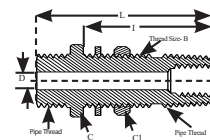
BULKHEAD COUPLING X TUBE

Description	Part No.
3/8 Tube x 3/8 FPT Bulkhead Coupling	F78673
1/2 Tube x 3/8 FPT Bulkhead Coupling	F710512



BULKHEAD COUPLING (BRASS)

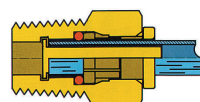
Male Pipe Thread	Fem. Pipe Thread	Thread Size B	Hex C	Hex C1	D	I	L	Equivalent Eaton No.	Part No.
1/2	1/4	1-14	1-1/4	1-3/8	.375	1.88	2.94	1342	F7530
1/2	1/4	1-14	1-1/4	1-3/8	.375	2.88	3.94	1343	F75381



FITTINGS — BRASS AIR BRAKE PUSH ON

- **Air Brake Push-On Fittings**
(For Nylon Air Brake Tubing)
- **Typical Applications:** Air Brake systems where not exposed to +200°F and/or where battery acid may drip on tubing.
- **Working Pressure:** Vacuum to 250 PSI
- **Sealing Method:** O-Ring, Buna N
- **Working Temperature:** -40°F to +200°F
- **Material:** Brass

- **Used With:** D.O.T. Nylon Tubing - refer to Automotive Hose Section
- **Advantages:** No tools required to assemble, easy to assemble.
- **Identifying Characteristics:** Designation "D.O.T." or "AB" on nut. Bodies come with tube support.



45° MALE ELBOW SWIVEL



Tube O.D.	NPT	Part No.
1/4	1/8	F77980
1/4	1/4	F74113
3/8	1/8	F71814
3/8	1/4	F7261
3/8	3/8	F75537
1/2	1/4	F76034
1/2	3/8	F75340
1/2	1/2	F75757
5/8	1/2	F76606

45° MALE ELBOW



Tube O.D.	NPT	Part No.
1/4	1/8	F74172
3/8	1/8	F71632
3/8	1/4	F73693
3/8	3/8	F72305
3/8	1/2	F73301
1/2	1/4	F78696
1/2	3/8	F74469
1/2	1/2	F71137
5/8	3/8	F75298
5/8	1/2	F74379
3/4	1/2	F73807

MALE CONNECTORS



Tube O.D.	NPT	Part No.
5/32	1/16	F73444
5/32	1/8	F74494
3/16	1/8	F72530
1/4	1/8	F71081
1/4	1/4	F76070
1/4	3/8	F7922
3/8	1/8	F75224
3/8	1/4	F74821
3/8	3/8	F73338
3/8	1/2	F71333
1/2	1/4	F73506
1/2	3/8	F71411
1/2	1/2	F77021
5/8	3/8	F75359
5/8	1/2	F7838

UNION CONNECTOR



Tube O.D.	Part No.
5/32	F7772
3/16	F78214
1/4	F75978
3/8	F72920
1/2	F7168
5/8	F71134
3/4	F78577

UNION TEE



Tube O.D.	Part No.
1/4	F75674
3/8	F75870
1/2	F71158
5/8	F78243

AB PUSH-ON FEMALE ELBOW SWIVEL



Tube O.D.	NPT	Part No.
1/4	1/8	F710506
1/4	1/4	F710509
3/8	1/4	F710507

FEMALE ELBOW



Tube O.D.	NPT	Part No.
1/4	1/8	F71993
3/8	1/4	F75012
3/8	3/8	F78086

MALE ELBOW



Tube O.D.	NPT	Part No.
5/32	1/16	F75841
5/32	1/8	F74712
3/16	1/8	F7692
1/4	1/8	F72152
1/4	1/4	F73051
1/4	3/8	F73743
3/8	1/8	F7381
3/8	1/4	F72964
3/8	3/8	F75300
3/8	1/2	F76121
1/2	1/4	F74608
1/2	3/8	F71547
1/2	1/2	F7370
5/8	3/8	F73842
5/8	1/2	F75541

FEMALE CONNECTOR



Tube O.D.	NPT	Part No.
1/4	1/8	F75680
1/4	1/4	F76477
3/8	1/4	F76140
3/8	3/8	F77912

MALE RUN TEE



Tube O.D.	NPT	Part No.
1/4	1/8	F74807
1/4	1/4	F74587
3/8	1/4	F77000

MALE CONNECTOR



Tube	Metric Thread	Part No.
1/4	M12-1.5	F78619

MALE BRANCH TEE



Tube O.D.	NPT	Part No.
1/4	1/8	F78043
1/4	1/4	F73368
3/8	1/4	F74264
3/8	3/8	F76265

SWIVEL MALE ELBOW



Tube O.D.	NPT	Part No.
1/4	1/8	F74383
1/4	1/4	F73415
1/4	3/8	F76405
3/8	1/8	F73190
3/8	1/4	F73213
3/8	3/8	F76981
3/8	1/2	F72064
1/2	1/4	F73562
1/2	3/8	F73398
1/2	1/2	F75106
5/8	3/8	F72135
5/8	1/2	F74428
3/4	1/2	F79734

SWIVEL MALE RUN TEE



Tube O.D.	NPT	Part No.
1/4	1/8	F7412
1/4	1/4	F77226
3/8	1/4	F75638
3/8	3/8	F76080
1/2	3/8	F71692

FITTINGS — BRASS AIR BRAKE PUSH ON (continued)



SWIVEL MALE BRANCH TEE

Tube O.D.	NPT	Part No.
1/4	1/8	F71295
1/4	1/4	F7712
3/8	1/4	F72160
3/8	3/8	F76023
1/2	1/4	F72516
1/2	3/8	F71571



FEMALE BRANCH TEE

Tube O.D.	NPT	Part No.
3/8	1/4	F77169



BULKHEAD UNION

Tube O.D.	Part No.
1/4	F75896
3/8	F77926
1/2	F78079



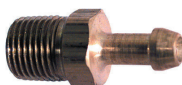
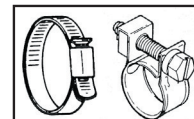
UNION ELBOW

Tube O.D.	Part No.
1/4	F76195
3/8	F74886
1/2	F71284

FITTINGS — BRASS FUEL HOSE

- **Typical Application:** Low pressure air, fuel and oil applications
- **Pressure:** Determined by maximum working for hose
- **Sealing Method:** Must be used with hose clamps

- **Material:** CA360 Brass.
- **Use with:** Low pressure hose



MALE PIPE

Hose I.D.	Male Pipe Thread	Equivalent Eaton No.	Part No.
3/16	1/8	05703B-102	F7769
1/4	1/8	05704B-102	F72844
1/4	1/4	05704B-104	F76155
5/16	1/8	05704B-102	F76964
5/16	1/4	05705B-104	F7169
3/8	1/8	05706B-102	F75130
3/8	1/4	05706B-104	F74959
3/8	3/8	05706B-106	F75859
5/8	3/8	05710B-106	F74775
5/8	1/2	05710B-108	F74030

For larger sizes see Barbed Fittings Prefix 675.04



MALE PIPE 90° ELBOW

Hose I.D.	Male Pipe Thread	Equivalent Eaton No.	Part No.
1/4	1/8	05704B-C02	F74011
5/16	1/8	05705B-C02	F7284
5/16	1/4	05705B-C04	F76669
3/8	1/8	05706B-C02	F73511
3/8	1/4	05706B-C04	F75914
1/2	3/8	1669x8	F71401
5/8	3/8	05710B-C06	F77976

For larger sizes see Barbed Fittings Prefix 675.05



MALE INVERTED CONNECTOR

Hose I.D.	Tube Size	Equivalent Eaton No.	Part No.
5/16	1/4	05705B-1598	F72034
5/16	5/16	05705B-1560	F77795
5/16	3/8	05705B-1561	F71758
3/8	5/16	05705B-1598	F75941
3/8	3/8	05705B-1570	F71021



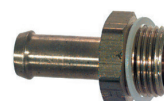
INVERTED MALE ELBOW SWIVEL

Hose I.D.	Tube Size	Equivalent Eaton No.	Part No.
5/16	5/16	5705B-B65	F76633
3/8	3/8	5706B-B66	F74834



SAE 45° FLARE CONNECTOR

Hose I.D.	Tube Size	Equivalent Eaton No.	Part No.
3/8	5/16	05706B-305	F769



MALE STRAIGHT THREAD CONNECTOR

Hose I.D.	Tube Size	Equivalent Eaton No.	Part No.
3/8	5/8-20	1569	F73711

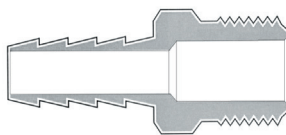
FLUID POWER

2 Brass Fittings

FITTINGS — BRASS BARB HOSE

- **Typical Applications:** Fuel, air and water
- **Pressure:** 150 PSI
- **Sealing Method:** Must be used with hose clamps.

- **Temperature:** -40°F to +160°F
- **Material:** CA360 and CA345 Brass
- **Used With:** Low Pressure Hose



HOSE BARB TO MALE PIPE

Hose I.D.	Pipe Size	Equivalent Parker No.	Part No.
1/8	1/8	125HB-2-2	F73659
1/8	1/4	125HBL-2-4	F72588
3/16	1/8	125HB-3-2	F75154
3/16	1/4	125HB-3-4	F77435
1/4	1/8	125HBL-4-2	F73360
1/4	1/4	125HBL-4-4	F72071
1/4	3/8	125HBL-4-6	F72183
1/4	1/2	125HBL-4-8	F77697
5/16	1/8	125HBL-5-2	F75435
5/16	1/4	125HBL-5-4	F75600
5/16	3/8	125HBL-5-6	F74744
3/8	1/8	125HBL-6-2	F77579
3/8	1/4	125HBL-6-4	F76076
3/8	3/8	125HBL-6-6	F71307
3/8	1/2	125HBL-6-8	F73535
1/2	1/4	125HBL-8-4	F73286
1/2	3/8	125HBL-8-6	F75662
1/2	1/2	125HBL-8-8	F7913
1/2	3/4	125HBL-8-12	F71835
5/8	3/8	125HBL-10-6	F77334
5/8	1/2	125HBL-10-8	F72841
5/8	3/4	125HBL-10-12	F76647
3/4	1/2	125HBL-12-8	F71702
3/4	3/4	125HBL-12-12	F77076
1	3/4	125HBL-16-12	F7946
1	1	125HBL-16-16	F76969



HOSE BARB TO FEMALE PIPE

Hose I.D.	Pipe Size	Equivalent Parker No.	Part No.
1/8	1/4	126HBL-2-4	F77456
1/4	1/8	126HBL-4-2	F72098
1/4	1/4	126HBL-4-4	F72578
1/4	3/8	126HBL-4-6	F77381
5/16	1/4	126HBL-5-4	F74720
5/16	3/8	126HBL-5-6	F75079
3/8	1/4	126HBL-6-4	F73373
3/8	3/8	126HBL-6-6	F75966
3/8	1/2	126HBL-6-8	F72110
1/2	1/4	126HBL-8-4	F75148
1/2	3/8	126HBL-8-6	F74806
1/2	1/2	126HBL-8-8	F74690
3/4	3/4	126HBL-12-12	F77040



HOSE BARB TO FEMALE PIPE SWIVEL

Hose I.D.	Pipe Size	Equivalent Parker No.	Part No.
1/4	1/4	128HBLSV-4-4	F77608
1/4	3/8	128HBLSV-4-6	F76648
3/8	3/8	128HBLSV-6-6	F71918
1/2	1/2	128HBLSV-8-8	F73903



HOSE BARB 90° ELBOW TO MALE PIPE

Hose I.D.	Pipe Size	Equivalent Parker No.	Part No.
1/4	1/8	129HB-4-2	F77408
1/4	1/4	129HB-4-4	F76627
5/16	1/8	129HB-5-2	F73897
5/16	1/4	129HB-5-4	F76312
3/8	1/8	129HB-6-2	F72559
3/8	1/4	129HB-6-4	F74238
3/8	3/8	129HB-6-6	F72127
3/8	1/2	129HB-6-8	F72413
1/2	1/4	129HB-8-4	F7173
1/2	3/8	129HB-8-6	F73270
5/8	3/8	129HB-10-6	F73858
5/8	1/2	129HB-10-8	F74099



HOSE MENDER

Hose I.D.	Equivalent Parker No.	Part No.
3/16	122HB-3	F7962
1/4	122HB-4	F71301
5/16	122HBL-5	F77203
3/8	122HB-6	F75098
1/2	122HB-8	F7775
5/8		F72328
3/4		F76941



HOSE BARB 45° ELBOW TO MALE PIPE

Hose I.D.	Pipe Size	Equivalent Parker No.	Part No.
1/4	1/4	139HB-4-4	F74701
3/8	1/4	139HB-6-4	F7681



HOSE BARB TEE

Hose I.D.	Equivalent Parker No.	Part No.
5/32		F72174
1/4		F77855
5/16		F71893
3/8		F75390



BEADED HOSE BARB TO MALE PIPE

(Also known as Truck Water Line Connectors. For smaller sizes use Fuel Hose Ends, Prefix 675.01)

Hose I.D.	Pipe Size	Equivalent Dana No.	Equivalent Parker No.	Part No.
1/2	1/4		68HB-8-4	F77085
1/2	3/8		68HB-8-6	F71221
5/8	3/8	1411	68HB-10-6	F75788
5/8	1/2	1431	68HB-10-8	F73733
3/4	1/2	1430	68HB-12-8	F71720
1	3/4		68HB-16-12	F7671



BEADED HOSE BARB 90° ELBOW TUBE TO MALE PIPE

(Also known as Truck Water Line Elbows. For smaller sizes use Fuel Hose Ends, Prefix 675.02)

Hose I.D.	Pipe Size	Equivalent Parker No.	Part No.
5/8	1/2	269HB-10-8	F75894
3/4	1/2	269HB-12-8	F7758



FITTINGS — BRASS AIR HOSE FERRULES

HOSE FERRULES

Ferrule I.D.	Equivalent Bridge No.	Part No.
.478	7321	F72926
.500	7322	F75684
.527	7323	F74378
.562	7325	F7764
.593	7326	F76311
.625	7327	F77030
.656	7328	F73568
.687	7329	F7925
.718	7330	F71881
.750	7331	F7533
.781	7332	F75494
.812	7333	F76059
.825	7334	F78138
.850	7335	F71286
.900	5092A	F72114
.937	7342A	F71287
1.251		F71166

Note: Because rubber hose tolerances vary up to $\pm 1/32$ " on the I.D. and O.D., it is necessary to fit ferrules and fittings to each individual hose being made up.

CRIMPING TOOL FOR BRASS AIR HOSE FERRULES

F76897

- Comes with five crimping dies (#1-5 below)
- Additional die blocks available (#7, #8, #10 below)
- Use the next larger bore size for the ferrule selected



Use with standard hose barb fittings to make permanent connections to hose. Select ferrule I.D. dimension to closely match your hose O.D.



STANDARD DIE BLOCKS BELOW ARE SUPPLIED WITH HOSE CRIMPING TOOL

Die No.	Die Bore Size Decimal	Die Bore Size Fraction	Min Dia. Decimal	Min Dia. Fraction	Max Dia. Decimal	Max Dia. Fraction	Replacement Dies Part No.
1	.630	5/8"	.640	41/64"	.671	43/64"	F72346
5	.680	11/16"	.690	11/16"	.710	23/32"	F73238

ADDITIONAL DIE BLOCKS ARE AVAILABLE:

Die No.	Die Bore Size Decimal	Die Bore Size Fraction	Min Dia. Decimal	Min Dia. Fraction	Max Dia. Decimal	Max Dia. Fraction	Replacement Dies Part No.
7	.437	7/16"	.447	29/64"	.468	15/32"	F78162
8	.750	3/4"	.760	3/4"	.781	25/32"	F71567
10	.375	3/8"	.385	3/8"	.406	13/32"	F77760

DIE SETS FOR LARGE DIAMETER CRIMPING TOOL (7/8" OD TO 1-1/2" OD)

Hose Outside Diameter	Part No.
13/16	F75694
53/64	F77818
7/8	F76632
29/32	F75906
15/16	F75507
1	F78179
1-1/4	F74463

CRIMPING TOOL FOR LARGE DIAMETER BRASS AIR HOSE FERRULES

F74290

- For use with 7/8" to 1-1/2" OD hose
- Sold without dies



COUPLERS — BRASS REUSABLE

MALE PIPE RIGID

Hose I.D.	Hose O.D.	Male NPT	Part No.
1/4	1/2	1/4	F7239
1/4	9/16	1/4	F71150
1/4	5/8	1/4	F77240
3/8	5/8	1/4	F77524
3/8	3/4	1/4	F76521
3/8	3/4	3/8	F76491
3/8	11/16	1/4	F78593
1/2	7/8	1/2	F75357

- **Typical Application:** Low pressure air, lube and oil lines.
- **Compatible Hose:** H009.
- **Pressure:** Determined by maximum working pressure for hose size.
- **Material:** CA360 brass
- **Advantages:** Reusable and easy to assemble in the field

Assembly Instructions:

1. Lubricate insert threads and I.D. of hose
2. Push hose into socket until it bottoms
3. Screw insert into socket until insert hex touches socket



FLUID POWER

2 Brass Fittings

FITTINGS — BRASS BARB-TITE® HOSE

BARB-TITE® HOSE

Color	Hose I.D.	Hose O.D.	Work Press. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radii	Part No.
Yellow	1/4	1/2	250	1000	3	F77575
Yellow	3/8	5/8	250	1000	3	F77433
Yellow	1/2	3/4	250	1000	5	F78098
Yellow	5/8	7/8	250	1000	6	F75116
Yellow	3/4	1-1/32	250	1000	7	F74738
Black	1/4	1/2	250	1000	3	F7852
Black	3/8	5/8	250	1000	3	F74958
Black	1/2	3/4	250	1000	5	F71071

- **Typical Application:** Low Pressure Air, Lube, and Oil
- **Pressure:** Determined by Maximum Working Pressure for Hose Size
- **Temperature Range:** -40°F to +212°F
- **Material:** CA360 Brass
- **Advantages:** Easy Assembly with no Clamps Needed!

MALE PIPE RIGID

Hose I.D.	Male Pipe Size	Equivalent Eaton No.	Part No.
1/4	1/8	10004B-102	F72727
1/4	1/4	10004B-104	F73226
1/4	3/8	10004B-106	F71744
5/16	1/4	10005B-B04	F76944
3/8	1/8	10006B-102	F73203
3/8	1/4	10006B-104	F71458
3/8	3/8	10006B-106	F7951
3/8	1/2	10006B-108	F71961
1/2	3/8	10008B-106	F78167
1/2	1/2	10008B-108	F74121
5/8	1/2	10010B-108	F72752
3/4	3/4	10012B-112	F73288

FEMALE PIPE

Hose I.D.	Pipe Thread	Part No.
1/4	1/8	F76557
1/4	1/4	F72792
3/8	1/4	F71599
3/8	3/8	F77871
1/2	3/8	F7832
1/2	1/2	F71472

SAE 45° FLARE MALE RIGID

Hose I.D.	Tube Size	Equivalent Eaton No.	Part No.
1/4	1/4	10004B-304	F71170
1/4	5/16	10004B-305	F75085
5/16	5/16	10005B-305	F77755
3/8	3/8	10006B-306	F77346

HOSE MENDER

Hose I.D.	Equivalent Eaton No.	Part No.
1/4	10004B-Y04	F7763
5/16	10005B-Y05	F73084
3/8	10006B-Y06	F77014
1/2	10008B-Y08	F71263

MALE PIPE RIGID 90° ELBOW

Hose I.D.	Pipe Size	Thread Size	A	B	Hose Cut-Off Factor	Hole Dia.	Square E	Equivalent Eaton No.	Part No.
3/8	1/8	1/8-27	1.08	.94	.38	.297	1/2	100006B-C02	F74680
3/8	1/4	1/4-18	1.15	.94	.38	.297	9/16	100006B-C04	F72545

Assembly Instructions:

1. Lubricate insert with a tire installation lube (optional step).
2. Hold hose at angle as shown and push on and up over first barb.
3. Continue to push straight on until hose is seated under protective plastic cap. Keep hands back from hose end area so that hose can expand. or Use the handy Barb-Tite Assembly Tool!

Disassembly Instructions:

1. Split hose as shown above. Do not cut completely through hose. Sealing edge of barb could be damaged.
2. Bend hose and remove with quick pull.

BARB-TITE® END ASSEMBLY TOOL

Part No. F789

Assembly of Barb-Tite® push on hose ends is made easy with this handy tool. Easy and fast operation assures dependable—leak proof—assemblies. Simply clamp hose in jaws, place hose end on push rod and pull the handle.



PUSH-LOCK HOSE BARB ASSEMBLY TOOL

Part No. F78747

Installs 1/4", 5/16" and 3/8" host fittings. Lightweight, portable, comfortable cushioned grip.



INVERTED MALE SWIVEL

Hose I.D.	Tube Size	Equivalent Eaton No.	Part No.
1/4	3/16	10004B-B03	F72008
1/4	1/4	10004B-B04	F78164
1/4	5/16	10004B-B05	F75410
5/16	1/4	10005B-B04	F76170
5/16	5/16	10005B-B05	F71457
5/16	3/8	10005B-B06	F72301
3/8	5/16	10006B-B05	F77071
3/8	3/8	10006B-B06	F72801
1/2	1/2	10008B-B08	F78275

FEMALE INVERTED RIGID

Hose I.D.	Tube Size	Equivalent Eaton No.	Part No.
1/4	1/4	10004B-A04	F71130
5/16	5/16	10005B-A05	F77138
3/8	3/8	10006B-A06	F71276
1/2	1/2	10006B-A08	F71607

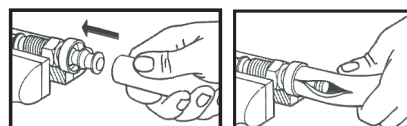
SAE 37° (JIC) FEMALE SWIVEL

Hose I.D.	Tube Size	Equivalent Eaton No.	Part No.
1/4*	1/4	10004B-604	F72656
1/4*	5/16	10004B-605	F73397
5/16*	5/16	10005B-605	F76039
3/8*	5/16	10006B-605	F76489
3/8	3/8	10006B-606	F74014
3/8	1/2	10006B-608	F78594
1/2*	1/2	10008B-608	F73189
5/8*	5/8	10010B-610	F71342
3/4	3/4	10012B-612	F72796

*Swivel nut is universal - both JIC73° and SAE45°

SAE 45° FLARE FEMALE SWIVEL

Hose I.D.	Tube Size	Equivalent Eaton No.	Part No.
3/8	3/8	10006B-406	F74685
3/4	3/4	10012B-412	F72662



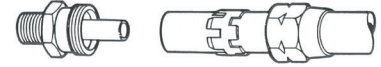
COUPLERS — BRASS AIR BRAKE SLEEVE-TYPE

Hose End Series: 338 'B' Series

- **Typical Application:** Air brake hose lines.
- **Compatible Hose:** H338
- **Pressure:** Determined by maximum working pressure for hose size.
- **Material:** CA360 Brass.

- **Advantages:** Can be used for nearly any air brake line. Easy to assemble with a good selection of hose end configurations. Brass material offers excellent resistance against corrosion.
- **Meets:** DOT and SAE specifications.

EATON | Weatherhead



HOSE MENDER

Hose I.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/8	33806B-Y06	62RB-6	F76483
1/2	33808B-Y08	62RB-8	F73589



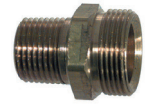
FEMALE CONNECTOR (COMPLETE WITH SLEEVE)

Hose I.D.	ABS Thread	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/8	3/4-20	33806B-Y76	66RBSV-6-3/4	F77172
1/2	7/8-20	33806B-Y78	66RBSV-8-7/8	F71455



FEMALE CONNECTOR WITH ADAPTER (COMPLETE WITH SLEEVE)

Hose I.D.	ABS Thr'd	Male Pipe Thr'd	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/8	3/8	1/4	33806B-Y84		F73410
3/8	3/8	3/8	33806B-Y86		F7559
1/2	1/2	3/8	33808B-Y86		F72167



ADAPTER

ABS Thr'd	Male Pipe Thr'd	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/8	1/4	1390x6		F78228
3/8	3/8	1390x6x6		F73552
3/8	1/2	1390x6x8		F74892
1/2	3/8	1390x8		F71859
1/2	1/2	1390x8x8		F71840



SPRING GUARD

Hose I.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/8	33806-C	56RBSG-6	F72039
1/2	33808-C	56RBSG-8	F76782



SLEEVE

Hose I.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/8	33806-A	60RB-6	F72433
1/2	33808-A	60RB-8	F75529



CONNECTOR WITH SPRING GUARD

Hose I.D.	Male Pipe Thr'd	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/8	1/4	33806B-Y34	68RBSG-6-4	F74313
3/8	3/8	33806B-Y36	68RBSG-6-6	F77845
3/8	1/2	33806B-Y38	68RBSG-6-8	F7664
1/2	3/8	33808B-Y36	68RBSG-8-6	F76368
1/2	1/2	33808B-Y38	68RBSG-8-8	F75043



CONNECTOR

Hose I.D.	Male Pipe Thr'd	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/8	1/4	33806B-Y24	68RB-6-4	F77561
3/8	3/8	33806B-Y26	68RB-6-6	F77892
3/8	1/2	33806B-Y28	68RB-6-8	F73469
1/2	3/8	33808B-Y26	68RB-8-6	F78128
1/2	1/2	33808B-Y28	68RB-8-8	F74221



NUT

Hose I.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/8	33806-B	61RB-6	F76461
1/2	33808-B	61RB-8	F75819



NUT FOR SPRING GUARD

Hose I.D.	Equivalent Eaton No.	Equivalent Parker No.	Part No.
3/8	33806-D	61RBSG-6	F77403
1/2	33808-D	61RBSG-8	F72900

FLUID POWER

2 Brass Fittings

COUPLERS — BRASS AIR BRAKE SWIVEL END

HOSE END KITS - FOR 3/8" ID AIR BRAKE HOSE

Kit No.	Number in Kit	NPTF Size	Part No.
31402	2	3/8	F7604
31403	2	1/2	F7558
31407	1	3/8 - 1/4	F72762

- Type A, AI and All with minimum O.D. 3/4"
- Assembly instructions included



FITTINGS — GARDEN HOSE

GARDEN HOSE CAP W/CHAIN

Description	Part No.
Garden Hose Cap w/12" Chain	F74182



WASHER FOR FEMALE GARDEN HOSE CONNECTOR

Description	Part No.
O-Ring	F71156



3/4" MALE GARDEN HOSE ADAPTER

Description	Part No.
Male Adapter	F71448



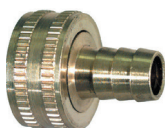
3/4" MALE GARDEN HOSE THREAD X HOSE BARB

Hose Size	Part No.
3/8"	F77469
1/2"	F76940
5/8"	F77176
3/4"	F73211



3/4" FEMALE GARDEN HOSE X HOSE BARB

Hose Size	Part No.
1/4"	F72255
3/8"	F75440
1/2"	F75162
5/8"	F73118
3/4"	F758



3/4" MALE GHT X BARB LONG SHANK

Hose Size	Shank Length	Part No.
1/2	2.03	F79709
5/8	2.03	F79710
3/4	2.03	F79711



3/4" FEMALE GARDEN HOSE ADAPTER

Description	Part No.
Female Adapter	F76161



3/4" FEMALE GHT X BARB LONG SHANK

Hose Size	Shank Length	Part No.
1/2	2.03	F79712
5/8	2.03	F79713
3/4	2.03	F79714



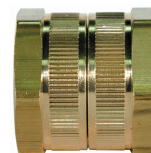
3/4" FEMALE SWIVEL GARDEN HOSE ADAPTER

Description	Part No.
Female Swivel Adapter	F72384



3/4" HEX FEMALE SWIVEL GARDEN HOSE ADAPTER

Description	Part No.
Hex Female Swivel Adapter	F71587



FITTINGS — GARDEN HOSE (continued)

**3/4" MALE GARDEN HOSE X
FEMALE PIPE**

Pipe Size	Part No.
1/2"	F74952
3/4"	F72007



**MALE SWIVEL GARDEN HOSE
MENDER**

Hose Size	Part No.
1/2"	F78286
5/8"	F73163
3/4"	F76401



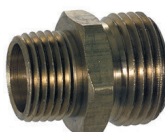
**3/4" FEMALE GARDEN HOSE
X FEMALE PIPE**

Pipe Size	Part No.
1/2"	F77194
3/4"	F71085



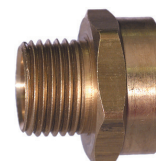
**3/4" MALE GARDEN HOSE
X MALE PIPE**

Pipe Size	Part No.
3/8"	F7145
1/2"	F72452
3/4"	F77786



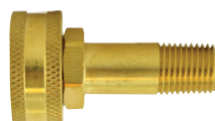
**3/4" FEMALE GARDEN HOSE
X MALE PIPE**

Pipe Size	Part No.
1/2"	F7101
3/4"	F73670



**3/4" FEMALE GARDEN HOSE SWIVEL
X MALE PIPE**

Pipe Size	Part No.
1/4"	F74116



**3/4" FEMALE GARDEN HOSE
SWIVEL X FEMALE PIPE**

Pipe Size	Part No.
1/2"	F7289
3/4"	F75673



GARDEN HOSE COUPLERS & PLUGS

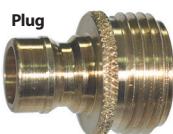
Description	Size	Tomco Part no.	Part No.
Coupler-Female	3/4-11.5	GHC	F72529
Plug-Male	3/4-11.5	GHP	F77763

- Dual seal water service design
- **Maximum operating pressure:** to 200 PSIG
- **Temperature:** -40°F to +200°F

Coupler



Plug



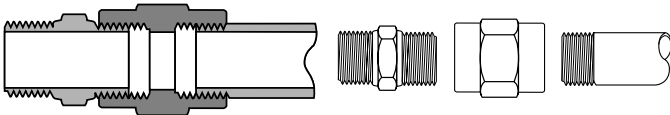
**3/4" FEMALE X 3/4" MALE GARDEN
HOSE VALVE**

Pipe Size	Part No.
3/4"	F710058



FITTINGS — BRASS PIPE

Typical Applications: Fuels, Refrigeration, Instrumentation, and Hydraulic systems.
Pressure: 1200 PSI operating
Sealing Method: Tapered Thread (NPTF)
Vibration Rating: Fair Resistance
Temperature: -65°F to +250°F
Material: CA360 Brass
Used With: Brass, Bronze and Iron Pipe
Advantages: Dryseal Threads. Large range of sizes and configurations.
Meets: SAE, UL (Available on Special Order), ASA, and ASME specifications.
Conformance: Listed by Underwriters Laboratories for fuel equipment, refrigeration, and gas (Available on Special Order).
Identifying Characteristics: Tapered Threads



PIPE SIZING CHART

Table with 6 columns: Pipe Size, 1/8", 1/4", 3/8", 1/2", 3/4". Rows include Thd. O.D. at the end of thd., T.P.L., and equivalent sizes in inches and fractions.

You can also measure pipe fitting by the - 1/4" method:

- 1. Measure the thread diameter at the last full set of threads at the narrowest end of the fitting.
- 2. To determine pipe size designation subtract 1/4".

Example: If pipe thread measures 1/2" at the last full set of threads, the pipe size designation would be 1/4".(1/2" - 1/4" = 1/4" pipe) (see chart at left)

CAP



Table with 4 columns: Pipe Size, Equivalent Eaton No., Equivalent Parker No., Part No. Rows include sizes from 1/8" to 2".

SQUARE HEAD PLUG



Table with 4 columns: Pipe Size, Equivalent Eaton No., Equivalent Parker No., Part No. Rows include sizes from 1/8" to 2".

HEX HEAD PLUG



Table with 4 columns: Pipe Size, Equivalent Eaton No., Equivalent Parker No., Part No. Rows include sizes from 1/8" to 3/4".

ADAPTER



Table with 4 columns: Pipe Size, Equivalent Eaton No., Equivalent Parker No., Part No. Rows include various size combinations like 1/8F-1/8M, 1/4F-1/8M, etc.

BUSHING



Table with 5 columns: Male Pipe Size, Fem. Pipe Size, Equivalent Eaton No., Equivalent Parker No., Part No. Rows include various size combinations like 1/4 1/8, 3/8 1/4, etc.

HEAVY BUSHING



Table with 4 columns: Male Pipe Size, Fem. Pipe Size, Equivalent Eaton No., Part No. Rows include sizes 1/2 3/8 and 3/4 1/2.

FITTINGS — BRASS PIPE (continued)

HEX NIPPLE



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	3325 x 2	216P-2	F73072
1/4	3325 x 4	216P-4	F75097
1/4 x 1/8	3325 x 4 x 2	216P-4-2	F72641
3/8	3325 x 6	216P-6	F71291
1/2	3325 x 8	216P-8	F75861
1/2 x 1/4			F71023
1/2 x 3/8			F73726
3/8 x 1/8	3325 x 6 x 2	216P-6-2	F75661
3/8 x 1/4	3325 x 6 x 4	216P-6-4	F71175
3/4	3325 x 12	216P-12	F73384
3/4 x 1/2			F78314

HEAVY HEX NIPPLE



Pipe Size	Equivalent Eaton No.	Part No.
1/8	3325 x 2	F77664
1/4	3325 x 4	F74236
3/8	3325 x 6	F74362
1/2	3325 x 8	F77010
3/4	3325 x 12	F7480

HEAVY COUPLING



Pipe Size	Equivalent Eaton No.	Part No.
1/8	3300 x 2	F77898
1/4	3300 x 4	F75747
3/8	3300 x 6	F7830
1/2	3300 x 8	F76614
3/4	3300 x 12	F73246

MALE BRANCH TEE



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	3600 x 2	222P-2	F7851
1/4	3600 x 4	222P-4	F73970
3/8	3600 x 6	222P-6	F77712
1/2	3600 x 8	222P-8	F77356
3/4	3600 x 12	222P-12	F75483

COUPLING



Pipe Size	Part No.
1/8	F76907
1/4	F75269
3/8	F72824
1/2	F73914
3/4	F78009
1	F72561
2	F76069

CROSS FITTING



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	3950 x 2	215PNL-19-2	F78122
1/4	3950 x 4	215PNL-19-4	F76497
3/8	3950 x 6	215PNL-19-6	F71603
1/2	3950 x 8	215PNL-19-8	F71304

THREADED UNION



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	3250 x 2	215PNL-18-2	F72581
1/4	3250 x 4	215PNL-18-4	F76764
3/8	3250 x 6	215PNL-18-6	F77571
1/2	3250 x 8	215PNL-18-8	F77003
3/4		215PNL-18-12	F72051
1			F7873
1-1/4			F76740
1-1/2			F72644
2			F72410

SLOTTED PLUG



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	3150 x 2	215PNL-17-2	F71331
1/4	3150 x 4	215PNL-17-4	F74147
3/8	3150 x 6	215PNL-17-6	F75508

FIRE HOSE ADAPTERS



Description	Part No.
1-1/2" Male Swivel Adapter – Pin Lug	F78447
1-1/2" Female to Male Hex Nipple	F78448
1-1/2" Double Male Hex Nipple	F78449

REDUCING STREET ELBOW



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/4F-1/8M	3400 x 4 x 2	2202P-4-2	F76127

FITTINGS — BRASS PIPE (continued)

LONG NIPPLE



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8 close	3326 x 2	215P-2	F74949
1/8 x 1-1/2	3327 x 2	215PNL-2-15	F73223
1/8 x 2	3328 x 2	215PNL-2-20	F78019
1/8 x 2-1/2	3329 x 2	215PNL-2-25	F7956
1/8 x 3	3330 x 2	215PNL-2-30	F71883
1/8 x 3-1/2	3331 x 2	215PNL-2-35	F7891
1/8 x 4		215PNL-2-40	F78211
1/8 x 4-1/2		215PNL-2-45	F73153
1/8 x 5		215PNL-2-50	F71958
1/8 x 6		215PNL-2-60	F74528
1/4 close	3326 x 4	215P-4	F77813
1/4 x 1-1/2	3327 x 4	215PNL-4-15	F76084
1/4 x 2	3328 x 4	215PNL-4-20	F72779
1/4 x 2-1/2	3329 x 4	215PNL-4-25	F77612
1/4 x 3	3330 x 4	215PNL-4-30	F75548
1/4 x 3-1/2	3331 x 4	215PNL-4-35	F74525
1/4 x 4		215PNL-4-40	F72914
1/4 x 5		215PNL-4-50	F73927
1/4 x 6		215PNL-4-60	F7427
3/8 close	3326 x 6	215P-6	F78262
3/8 x 1-1/2	3327 x 6	215PNL-6-15	F76454
3/8 x 2	3328 x 6	215PNL-6-20	F72597
3/8 x 2-1/2	3329 x 6	215PNL-6-25	F77973
3/8 x 3	3330 x 6	215PNL-6-30	F76154
3/8 x 3-1/2	3331 x 6	215PNL-6-35	F71100
3/8 x 4		215PNL-6-40	F77861
3/8 x 4-1/2		215PNL-6-45	F78111
3/8 x 5		215PNL-6-50	F75866
3/8 x 5-1/2		215PNL-6-55	F74167
3/8 x 6		215PNL-6-60	F78007
1/2 close	3326 x 8	215P-8	F71907
1/2 x 2	3328 x 8	215PNL-8-20	F75946
1/2 x 2-1/2	3329 x 8	215PNL-8-25	F74900

Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/2 x 3	3330 x 8	215PNL-8-30	F72783
1/2 x 3-1/2		215PNL-8-35	F75806
1/2 x 4		215PNL-8-40	F71711
1/2 x 4-1/2		215PNL-8-45	F7433
1/2 x 5		215PNL-8-50	F74291
1/2 x 5-1/2		215PNL-8-55	F74124
1/2 x 6		215PNL-8-60	F77863
3/4 close	3326 x 12	215P-12	F74306
3/4 x 2	3328 x 12	215PNL-12-20	F78305
3/4 x 2-1/2	3329 x 12	215PNL-12-25	F76634
3/4 x 3		215PNL-12-30	F72104
3/4 x 3-1/2		215PNL-12-35	F77633
3/4 x 4		215PNL-12-40	F74058
3/4 x 4-1/2		215PNL-12-45	F77121
3/4 x 5		215PNL-12-50	F75942
3/4 x 5-1/2		215PNL-12-55	F7860
3/4 x 6		215PNL-12-60	F72968
1 close			F75301
1 x 3			F77280
1 x 4			F77124
1 x 5			F72577
1 x 6			F72730
1-1/2 Close			F74977
1-1/2 x 2			F76577
1-1/2 x 2-1/2			F77684
1-1/2 x 3			F7224
1-1/2 x 4			F78061
1-1/2 x 5			F77515
2 close			F7595
2 x 3			F7837
2 x 4			F76556
2 x 5			F72382

STREET TEE



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	3750 x 2	2225P-2	F72249
1/4	3750 x 4	2225P-4	F76015
3/8	3750 x 6	2225P-6	F751
1/2	3750 x 8	2225P-8	F73333
3/4	3750 x 12	2225P-12	F73217

HEAVY STREET ELBOW



Pipe Size	Equivalent Eaton No.	Part No.
3/8	3400 x 6	F73091
1/2	3400 x 8	F75553

MALE ELBOW



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8			F73283
1/4			F74816
3/8			F76162
1/2			F74579

HEAVY REDUCING COUPLING



Pipe Size	Equivalent Eaton No.	Part No.
1/4 x 1/8	3300 x 4 x 2	F72016
3/8 x 1/8	3300 x 6 x 2	F75943
3/8 x 1/4	3300 x 6 x 4	F75285
1/2 x 1/4	3300 x 8 x 4	F79657
1/2 x 3/8	3300 x 8 x 6	F73556

45° STREET ELBOW



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	3350 x 2	2214P-2-2	F75753
1/4	3350 x 4	2214P-4-4	F77015
3/8	3350 x 6	2214P-6-6	F71394
1/2	3350 x 8	2214P-8-8	F73604
3/4	3350 x 12	2214P-12-12	F74752

STREET ELBOW



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	3400 x 2	2202P-2-2	F76075
1/4	3400 x 4	2202P-4-4	F74787
3/8	3400 x 6	2202P-6-6	F72293
1/2	3400 x 8	2202P-8-8	F77204
3/4	3400 x 12	2202P-12-12	F76871
1			F76566
1-1/2			F77132

REDUCING COUPLING



Pipe Size	Part No.
1/4 x 1/8	F73323
3/8 x 1/8	F77876
3/8 x 1/4	F76657
1/2 x 3/8	F73399
3/4 x 1/2	F75798
1 x 3/4	F75649
2 x 1	F75304

RECESSED HEX PLUG



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8		215PNL-20-2	F71374
1/4		215PNL-20-4	F77505
3/8		215PNL-20-6	F77749
1/2		215PNL-20-8	F72281
3/4		215PNL-20-12	F73243

TEE



Pipe Size	Eaton No.	Equivalent Parker No.	Part No.
1/8	3700 x 2	2203P-2	F78072
1/4	3700 x 4	2203P-4	F75744
3/8	3700 x 6	2203P-6	F72814
1/2	3700 x 8	2203P-8	F77555
3/4	3700 x 12		F7140
1			F76293
2			F75030

ELBOW



Pipe Size	Equivalent Eaton No.	Equivalent Parker No.	Part No.
1/8	3500 x 2	2200P-2-2	F73610
1/4	3500 x 4	2200P-4-4	F72828
3/8	3500 x 6	2200P-6-6	F71146
1/2	3500 x 8	2200P-8-8	F72205
3/4	3500 x 12	2200P-12-12	F72327
1			F7645
2			F77425

FITTINGS — LEAD FREE BRASS COMPRESSION TUBE

- **Typical applications:** Portable water systems (drinking water)
- **Pressure:** Depends on tubing used
- **Material:** (CDA) C69300 (Just a trace of lead 0.1%)
- Made in USA of domestically manufactured copper alloy 2745 (fully complies with new lead free regulations in California and Vermont)
- **Identifying characteristics:** Each fitting will have a special lead-free marking symbol (Pb)

SLEEVE

Tube Size	Part No.
1/4	F7366
3/8	F7955
1/2	F7635
5/8	F71434



NUT

Tube Size	Part No.
1/4	F71966
3/8	F72590
5/8	F7323
7/8	F72014



UNION

Tube Size	Part No.
1/4	F73895
3/8	F77523
1/2	F77411
7/8	F75715
1/2 x 5/8	F78031
5/8 x 3/8	F75042



MALE ELBOW

Tube Size	Pipe Size	Part No.
1/4	1/8	F74538
3/8	1/4	F71499
3/8	3/8	F73793
1/2	3/8	F71228



FEMALE CONNECTOR

Tube Size	Pipe Size	Part No.
3/8	3/8	F71090
3/8	1/2	F72741
1/2	1/2	F7836
5/8	1/2	F73559



MALE CONNECTOR

Tube Size	Pipe Size	Part No.
1/4	1/4	F76109
3/8	1/2	F7880
1/2	1/2	F75562
5/8	1/2	F73836
7/8	3/4	F74487



FITTINGS — LEAD FREE BRASS PIPE

- **Typical applications:** Portable water systems (drinking water)
- **Pressure:** Depends on tubing used
- **Material:** (CDA) C69300 (Just a trace of lead 0.1%)
- Made in USA of domestically manufactured copper alloy 2745 (fully complies with new lead free regulations in California and Vermont)
- **Identifying characteristics:** Each fitting will have a special lead-free marking symbol (Pb)

HEX HEAD PLUG

Tube Size	Part No.
1/8	F72094
1/4	F7620
3/8	F75220
1/2	F76688
3/4	F77438



ADAPTER

Tube Size	Part No.
1/8F - 1/8M	F72097
1/4F - 1/8M	F73408
1/4F - 1/4M	F71492
3/8F - 1/4M	F77708
3/8F - 3/8M	F7442
1/2F - 3/8M	F74530



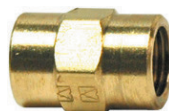
HEX BUSHING

Tube Size	Pipe Size	Part No.
1/4	1/8	F71714
3/8	1/8	F72393
3/8	1/4	F76217
1/2	1/4	F7755
1/2	3/8	F74355
3/4	3/8	F77854
3/4	1/2	F71169



COUPLING

Tube Size	Part No.
1/8	F71634
1/4	F73219
3/8	F71180
1/2	F7752
3/4	F73815



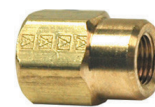
HEX NIPPLE

Tube Size	Part No.
1/8	F74671
1/4	F76961
3/8	F77721
1/2	F71921
3/4	F71789
1/4 x 1/8	F74986
3/8 x 1/4	F72303
1/2 x 3/8	F7538
3/4 x 1/2	F73366



REDUCING COUPLING

Tube Size	Part No.
1/4 x 1/8	F73249
3/8 x 1/4	F7369
1/2 x 3/8	F77903
3/4 x 1/2	F72704



FLUID POWER

2 Brass Fittings

FITTINGS — LEAD FREE BRASS PIPE (continued)

LONG NIPPLE



Tube Size	Part No.	Tube Size	Part No.
1/8 x 2	F78088	3/5 x 1-1/2	F74548
1/8 x 3	F7135	3/8 x 2	F74074
1/4 x 1-1/2	F75737	3/8 x 2-1/2	F77109
1/4 x 2	F76640	3/8 x 3	F72207
1/4 x 2-1/2	F7966	1/2 x 1-1/2	F73174
1/4 x 3	F76112	1/2 x 2	F7300
		1/2 x 2-1/2	F75214
		1/2 x 3	F75158

CLOSE NIPPLE



Tube Size	Part No.
1/8	F71876
1/4	F71938
3/8	F76011
1/2	F76681
3/4	F7444

FITTINGS — LEAD FREE BRASS SAE 45° FLARE

- **Typical applications:** Portable water systems (drinking water)
- **Pressure:** depends on tubing used
- **Material:** (CDA) C69300 (Just a trace of lead 0.1%)
- Made in USA of domestically manufactured copper alloy 2745 (fully complies with new lead free regulations in California and Vermont)
- **Identifying Characteristics:** Each fitting will have a special lead-free marking symbol (Pb)

UNION



Tube Size	Part No.
1/4	F76575
3/8	F7569
3/8 x 1/4	F77294
1/2	F74592
1/2 x 3/8	F71234

HALF UNION



Tube Size	Part No.
1/4 x 1/4	F74300
3/8 x 1/4	F71438
3/8 x 3/8	F7262
1/2 x 1/2	F77261
3/8 x 1/2	F72405
1/2 x 3/8	F73679
5/8 x 1/2	F75094

FEMALE CONNECTOR



Tube Size	Part No.
1/4 x 1/8	F71452
1/4 x 1/4	F7496
3/8 x 1/4	F72130
3/8 x 3/8	F7264
3/8 x 1/2	F72909

FITTINGS — LEAD FREE BRASS GARDEN HOSE

- **Typical applications:** Portable water systems (drinking water)
- **Pressure:** depends on tubing used
- **Material:** (CDA) C69300 (Just a trace of lead 0.1%)
- Made in USA of domestically manufactured copper alloy 2745 (fully complies with new lead free regulations in California and Vermont)
- **Identifying Characteristics:** Each fitting will have a special lead-free marking symbol (Pb)

3/4" FEMALE GARDEN HOSE X FEMALE PIPE



Pipe Size	Part No.
1/2	F73880

3/4" MALE GARDEN HOSE X FEMALE PIPE



Pipe Size	Part No.
1/2	F74477

3/4" MALE GARDEN HOSE X HOSE BARB



Hose Size	Part No.
3/8	F73590
1/2	F72028
5/8	F73664
3/4	F72096

FITTINGS — LEAD FREE BRASS HOSE BARB

- **Typical applications:** Portable water systems (drinking water)
- **Pressure:** depends on tubing used
- **Material:** (CDA) C69300 (Just a trace of lead 0.1%)
- Made in USA of domestically manufactured copper alloy 2745 (fully complies with new lead free regulations in California and Vermont)
- **Identifying Characteristics:** Each fitting will have a special lead-free marking symbol (Pb)

HOSE BARB TO MALE PIPE

Hose ID	Pipe Size	Part No.
3/8	1/4	F75496



FITTINGS — IDENTIFICATION CHART

Fitting Thread Size Comparison Chart

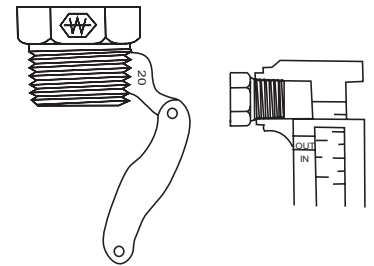
The male connections have (Male unified thread class 2 fit) UN-2A specification threads and the female connections have (Female unified thread class 2 fit) UN-2B specification threads. The exceptions are male and female pipe threads.

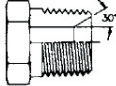
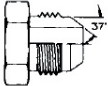
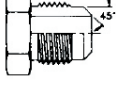
Tube Fittings

There are four basic types of tube fittings: Flare, Flareless, Straight Thread O-Ring, and Flat Face O-Ring Seal (FOR-SEAL™). Tube fittings seal in two ways. Flare and Flareless fittings use metal to metal contact joints. Straight Thread O-Ring and Flat Face O-Ring fittings use a rubber o-ring. Where extreme vibration is present, use Flareless, Straight Thread or Flat Face O-Ring Seal fittings. SIZING: For accuracy, it is recommended the male thread be measured. Measure the outside diameter. For our example use 7/16" Next measure the threads per inch – use 20. Our fitting size measures 7/16-20. Refer to the thread chart on this page for appropriate tube size and illustration.

Pipe Fittings

Nominal pipe sizes do not agree with either the I.D., O.D., or thread sizes. To determine pipe size (up to 1-1/4") measure the diameter of the threads and subtract 1/4". For example, subtract 1/4" from a 1" pipe to obtain the nominal pipe size of 3/4". Pipe sizes can also be given in 'dash numbers.' A dash number is always the numerator of an inch over 16th. For instance, if the pipe O.D. measures 1/2" that would be converted to 16ths (8/16), but be written as -8.



							
Size	Pipe	Flat Face O-Ring	37° Flare Flare-Twin	Ermeto 7000 Series	Straight Thread O-ring SEA	45° Flare	Inverted Flare
1/8	1/8-27		5/16-24	5/16-24	5/16-24	5/16-24	5/16-28
3/16			3/8-24	3/8-24	3/8-24	3/8-24	3/8-24
1/4	1/4-18	9/16	7/16-20	7/16-20	7/16-20	7/16-20	7/16-24
5/16			1/2-20	1/2-20	1/2-20	1/2-20	1/2-20
3/8	3/8-18	11/16-16	9/16-18	9/16-18	9/16-18	5/8-18	5/8-18
7/16						11/16-16	11/16-18
1/2	1/2-14	13/16-16	3/4-16	3/4-16	3/4-16	3/4-16	3/4-18
5/8		1-14	7/8-14	7/8-14	7/8-14	7/8-14	7/8-18
3/4	3/4-14	1-3/16-12	1-1/16-12	1-1/16-12	1-1/16-12	1-1/16-14	1-1/16-16
7/8			1-3/16-12	1-3/16-12	1-3/16-12		1-3/16-16
1	1-11-1/2	1-7/16-12	1-5/16-12	1-5/16-12	1-5/16-12		1-5/16-16
1-1/4	1-1/4-11-1/2	1-11/16-12	1-5/8-12	1-5/8-12	1-5/8-12		
1-1/2	1-1/2-11-1/2	2-12	1-7/8-12	1-7/8-12	1-7/8-12		
2	2-11-1/2		2-1/2-12	2-1/2-12	2-1/2-12		
2-1/2	2-1/2-8		3-12				
3	3-8		3-1/2-12				

FLUID POWER

3 Steel, stainless & Malleable Fittings

ADAPTERS — STEEL SWIVEL

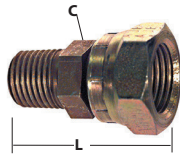
Typical Application: Pressure-hydraulic systems.

Pressure: Up to 10,000 PSI depending on size.

Sealing Method: Metal to metal, 30° cone-NPSM thread on swivel end

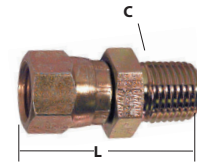
Material: Carbon steel, AISI/SAE 12L14.

Plating: Zinc, yellow dichromate finish.



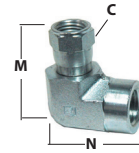
FEMALE PIPE SWIVEL TO MALE PIPE

NPSM Swivel Nut	Male Pipe Thread	Equivalent Eaton No.	Hex C	L	Part No.
1/8-27	1/8-27	9205X2X2	7/16	.850	F77808
1/4-18	1/4-18	9205X4X4	9/16	1.150	F76445
1/4-18	3/8-18	9205X4X6	11/16	1.200	F7395
3/8-18	1/4-18	9205X6X4	5/8	1.210	F71872
3/8-18	3/8-18	9205X6X6	11/16	1.240	F782
3/8-18	1/2-14	9205X6X8	7/8	1.540	F73392
1/2-14	3/8-18	9205X8X6	13/16	1.330	F76886
1/2-14	1/2-14	9205X8X8	7/8	1.620	F73062
1/2-14	3/4-14	9205X8X12	1-1/16	1.690	F75506
3/4-14	1/2-14	9205X12X8	1	1.720	F7771
3/4-14	3/4-14	9205X12X12	1-1/16	1.750	F73064
1 11-1/2	3/4-14	9205X16X12	1-1/2	1.800	F76214
1 11-1/2	1 11-1/2	9205X16X16	1-3/8	2.120	F77393
1 11-1/2	1 1/4-11 1/2	9205X16X20	1-11/16	2.080	F76092
1 1/4-11-1/2	1 11-1/2	9205X20X16	1-7/8	2.031	F7739
1 1/2-11-1/2	1 1/2-11 1/2	9205X24X24	2-1/8	2.190	F76332



FEMALE 37° JIC SWIVEL TO MALE PIPE

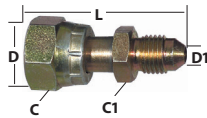
Tube O.D.	Male Pipe Thread	Equivalent Eaton No.	Hex C	L	Part No.
1/4	1/8		9/16	1.13	F75707
5/16	1/8		11/16	1.17	F74850
1/4	1/4	9100X4X4	9/16	1.130	F7360
5/16	1/4	9100X5X4	11/16	1.170	F7859
3/8	1/4	9100X6X4	11/16	1.290	F7808
3/8	3/8	9100X6X6	11/16	1.290	F74694
1/2	3/8	9100X8X6	7/8	1.430	F71935
1/2	1/2	9100X8X8	7/8	1.610	F77630
5/8	1/2	9100X10X8	1	1.600	F7820
3/4	1/2	9100X12X8	1-1/8	1.650	F73319
3/4	3/4	9100X12X12	1-1/8	1.650	F76387
1	1	9100X16X16	1-3/8	1.940	F73102



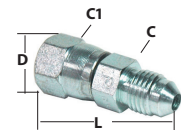
FEMALE 37° JIC SWIVEL TO FEMALE PIPE

Tube OD	Female Pipe Thread	Hex C	M Length	N Length	Part No.
1/4	1/4-18	9/16	.88	1.18	F7737
3/8	3/8-18	11/16	1.02	1.41	F7490
1/2	1/2-14	7/8	1.24	1.52	F76247

MALE JIC 37° TO FEMALE O-RING SWIVEL



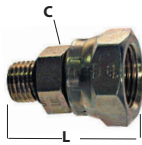
Female Tube O.D.	Male Tube Size	Hex C	Hex C1	D	D1	L	Equivalent Eaton No.	Part No.
1/4	1/4	11/16	5/8	.172	.165	1.50	4213X4	F76137
3/8	3/8	13/16	3/4	.297	.264	1.62	4213X6	F72871
1/2	1/2	15/16	7/8	.392	.358	1.90	4213X8	F75991
5/8	5/8	1-1/8	1-1/16	.484	.453	2.25	4213X10	F78010
3/4	3/4	1-3/8	1-1/4	.609	.547	2.46	4213X12	F74427
1	1	1-5/8	1-1/2	.811	.783	2.84	4213X16	F71996



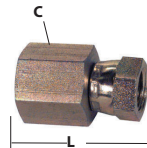
MALE JIC TO FEMALE JIC SWIVEL

Tube O.D.	Male JIC	Female JIC	Hex C	Hex C1	D	L	Part No.
1/4	7/16-20	7/16-20	1/2	9/16	.172	1.53	F78226
3/8	9/16-18	9/16-18	5/8	11/16	.297	1.62	F71379
1/2	3/4-16	3/4-16	13/16	7/8	.391	1.84	F75050
5/8	7/8-14	7/8-14	1	1	.484	2.14	F73962
3/4	1-1/16-12	1-1/16-12	1-1/4	1-1/4	.609	2.26	F76462
1	1-5/16-12	1-5/16-12	1-3/8	1-1/2	.844	2.45	F77742

MALE BOSS O-RING TO FEMALE PIPE SWIVEL



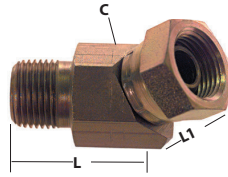
NPSM Swivel Nut	Female Pipe Thread	Equivalent Eaton No.	Hex C	L	Part No.
7/16-20	1/4-18	9315X4X4	9/16	.970	F7270
7/16-20	3/8-18	9315X4X6	5/8	1.060	F71801
1/2-20	1/4-18	9315X5X4	5/8	1.109	F77915
9/16-18	1/4-18	9315X6X4	11/16	1.71	F75547
9/16-18	3/8-18	9315X6X6	11/16	1.090	F72636
9/16-18	1/2-14	9315X6X8	13/16	1.210	F77339
3/4-16	3/8-18	9315X8X6	7/8	1.200	F74110
3/4-16	1/2-14	9315X8X8	7/8	1.260	F7241
3/4-16	3/4-14	9315X8X12	1	1.406	F77933
3/4-14	1/2-14	9315X10X8	1	1.400	F7459
3/4-14	3/4-14	9315X10X12	1	1.546	F77315
1-1/16-12	3/4-14	9315X12X12	1-1/4	1.600	F72122
1-5/16-12	3/4-14	9315X16X12	1-1/2	1.734	F76313
1-5/16-12	1-11-1/2	9315X16X16	1-1/2	1.710	F77398



FEMALE PIPE SWIVEL TO FEMALE PIPE

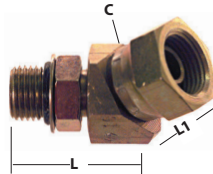
NPSM Swivel Nut	Female Pipe Thread	Equivalent Eaton No.	Hex C	L	Part No.
1/8-27	1/8-27	9255X2X2	9/16	.880	F7774
1/4-18	1/4-18	9255X4X4	11/16	1.170	F73826
3/8-18	1/4-18	9255X6X4	11/16	1.250	F74796
3/8-18	3/8-18	9255X6X6	7/8	1.310	F7171
3/8-18	1/2-14	9255X6X8	1	1.453	F71135
1/2-14	3/8-18	9255X8X6	1	1.500	F72444
1/2-14	1/2-14	9255X8X8	1	1.500	F77695
3/4-14	3/4-1/2	9255X12X12	1-1/4	1.620	F760
1 11-1/2	1 11-1/2	9255X16X16	1-1/2	2.000	F76194

ADAPTERS — STEEL SWIVEL (continued)



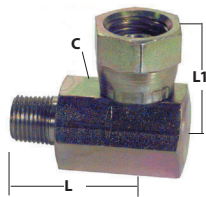
FEMALE PIPE SWIVEL TO MALE PIPE 45° ELBOW

NPSM Swivel Nut	Male Pipe Thread	Equivalent Eaton No.	Hex C	L	L1	Part No.
1/8-27	1/8-27	9355X2X2	9/16	.620	.500	F74041
1/4-18	1/8-27	9355X4X2	11/16	.656	.468	F73892
1/4-18	1/4-18	9355X4X4	11/16	.940	.690	F74945
1/4-18	3/8-18	9355X4X6	7/8	.625	1.062	F71696
3/8-18	3/8-18	9355X6X6	7/8	1.060	.750	F7861
3/8-18	1/2-14	9355X6X8	1	.828	1.375	F74461
1/2-14	3/8-18	9355X8X6	1	.781	1.187	F7766
1/2-14	1/2-14	9355X8X8	1	1.310	.880	F74745
1/2-14	3/4-14	9355X8X12	1-1/4	.875	1.500	F71871
3/4-1/4	1/2-14	9355X12X8	1-1/4	1.500	1.081	F7467
3/4-1/4	3/4-1/4	9355X12X12	1-1/4	1.500	1.000	F73622
1 11-1/2	3/4-1/4	9355X16X12	1-1/2	1.046	1.312	F73551
1 11-1/2	1 11-1/2	9355X16X16	1-1/2	1.500	1.060	F72715
1 1/4-11 1/2	1 1/4-11 1/2	9355X20X20	1-7/8	1.750	1.250	F77942



MALE STRAIGHT THREAD TO FEMALE PIPE SWIVEL 45° ELBOW

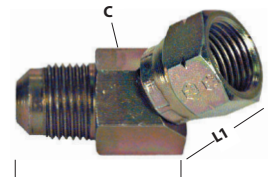
Straight Thread	NPSM Swivel Nut	Equivalent Eaton No.	Hex C	L	L1	Part No.
7/16-20	1/4-18	9365X4X4	11/16	1.062	.656	F72950
9/16-18	3/8-18	9365X6X6	7/8	1.062	.703	F75186
9/16-18	1/2-14	9365X6X8	1	1.062	.812	F7641
3/4-16	3/8-12	9365X8X6	1	1.125	.875	F73667
7/8-14	1/2-14	9365X10X8	1	1.500	.781	F73697
1 1/16-12	3/4-14	9365X12X12	1-1/4	1.500	1.046	F7647
1 5/16-12	1 11-1/2	9365X16X16	1-1/2	1.625	1.062	F76262



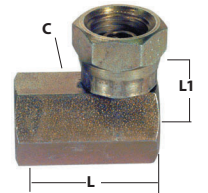
FEMALE PIPE SWIVEL TO MALE PIPE 90° ELBOW

NPSM Swivel Nut	Male Pipe Thread	Equivalent Eaton No.	Hex C	L	L1	Part No.
1/8-27	1/8-27	9405X2X2	9/16	.940	.690	F71346
1/8-27	1/4-18	9405X2X4	11/16	.750	1.190	F77264
1/4-18	1/8-27	9405X4X2	11/16	.781	1.062	F73723
1/4-18	1/4-18	9405X4X4	11/16	1.190	.750	F74203
1/4-18	3/8-18	9405X4X6	7/8	.875	1.500	F71588
3/8-18	1/4-18	9405X6X4	7/8	.937	1.500	F76822
3/8-18	3/8-18	9405X6X6	7/8	1.500	.940	F7650
3/8-18	1/2-14	9405X6X8	1	1.000	1.810	F72928
1/2-14	3/8-18	9405X8X6	1	1.000	1.562	F75133
1/2-14	1/2-14	9405X8X8	1	1.810	1.000	F71216
1/2-14	3/4-14	9405X8X12	1-1/4	1.125	2.000	F76459
3/4-14	3/4-14	9405X12X12	1-1/4	2.000	1.190	F78075
3/4-14	1 11-1/2	9405X12X16	1-1/2	1.375	2.375	F73181
1 11-1/2	3/4-14	9405X16X12	1-1/2	1.390	2.187	F73011
1 11-1/2	1 11-1/2	9405X16X16	1-1/2	2.380	1.440	F73100
1 1/4-11 1/2	1 11-1/2	9405X20X16	1-7/8	1.657	2.531	F71264
1 1/4-11 1/2	1 1/4-11 1/2	9405X20X20	2-1/8	2.810	1.780	F76425

FEMALE 45° FLARE SWIVEL TO MALE SAE 45° ELBOW (STEEL)

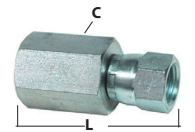


NPSM Swivel Nut	45° Flare Thread	Equivalent Eaton No.	Hex C	L	L1	Part No.
3/8	5/8-18	9154X6X6	3/4	1.400	.429	F76364



FEMALE PIPE SWIVEL TO FEMALE PIPE 90° ELBOW

NPSM Swivel Nut	Female Pipe Thread	Equivalent Eaton No.	Hex C	L	L1	Part No.
1/4-18	1/4-18	9455X4X4	11/16	.781	.937	F72329
3/8-18	3/8-18	9455X6X6	7/8	.937	1.062	F77880
3/8-18	1/2-14	9455X6X8	1	1.000	1.250	F75028
1/2-14	3/8-18	9455X8X6	1	1.000	1.250	F73474
1/2-14	1/2-14	9455X8X8	1	1.000	1.250	F7113
3/4-14	3/4-14	9455X12X12	1-1/4	1.250	1.437	F76404
1 1/2-11 1/2	1 1/2-11 1/2	9455X24X24	2-1/8	1.734	2.250	F71762



FEMALE 37° JIC SWIVEL TO FEMALE PIPE

Tube OD	Female Pipe Thread	Hex C	L	Part No.
1/4	1/4-18	3/4	1.49	F76138
3/8	3/8-18	7/8	1.67	F73209
1/2	1/2-14	1	1.91	F73192
3/4	3/4-14	1-3/8	2.08	F76510
1	1-11-1/2	1-5/8	2.58	F72967



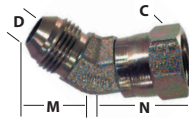
FEMALE JIC SWIVEL 90° ELBOW TO MALE PIPE

Tube OD	Male Pipe Thread	Hex C	Equivalent Eaton No.	Part No.
1/4	1/8-27	9/16	TF5406X4	F72084
1/4	1/4-18	9/16		F75358
3/8	1/4-18	11/16	TF5406X6	F75262
3/8	3/8-18	11/16		F76661
1/2	3/8-18	7/8	TF5406X8	F71344
1/2	1/2-14	7/8		F72708
5/8	1/2-14	1	TF5406X10	F71677
3/4	3/4-14	1-1/4	TF5406X12	F72859
1	1/11	1-1/2	TF5406X16	F74733

FLUID POWER

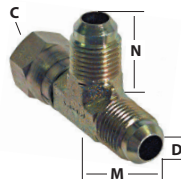
3 Steel, stainless & Malleable Fittings

ADAPTERS — STEEL SWIVEL (continued)



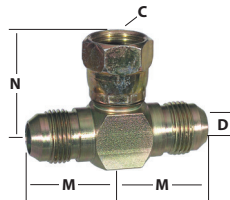
SWIVEL NUT 45° ELBOW

Tube O.D.	Hex C	D	M	N	Across Flats	Equivalent Eaton No.	Part No.
1/4	9/16	.172	.72	.94	7/16	C5356X4	F76715
5/16	5/8	.234	.77	1.00	9/16	TF5356X5	F75344
3/8	11/16	.297	.83	1.12	9/16	C5356X6	F76103
1/2	7/8	.391	.98	1.28	3/4	C5356X8	F74648
5/8	1	.484	1.11	1.44	7/8	C5356X10	F75565
3/4	1-1/4	.609	1.28	1.50	1-1/6	C5356X12	F76294
1	1-1/2	.845	1.47	1.75	1-5/16	C5356X16	F76022
1-1/4	2	1.078	1.59	2.03	1-5/8	TF5356X20	F71152



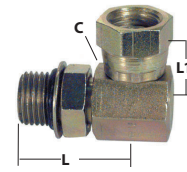
SWIVEL NUT RUN TEE

Tube O.D.	Equivalent Eaton No.	Hex C	D	M	N	Across Flats	Part No.
1/4	C5706X4	9/16	.172	.89	1.00	7/16	F7247
3/8	C5706X6	11/16	.297	1.06	1.25	9/16	F74259
1/2	C5706X8	7/8	.391	1.25	1.44	3/4	F76325
5/8	C5706X10	1	.484	1.45	1.62	7/8	F74781
3/4	C5706X12	1-1/4	.609	1.66	1.75	1-1/16	F72334
1	C5706X16	1-1/2	.844	1.81	2.00	1-5/16	F76079



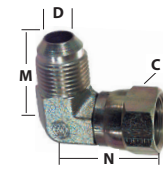
SWIVEL NUT BRANCH TEE

Tube O.D.	Equivalent Eaton No.	Hex C	D	M	N	Across Flats	Part No.
1/4	TF5607X4	9/16	.172	.89	1.00	7/16	F72901
3/8	TF5707X6	11/16	.297	1.06	1.25	9/16	F7693
1/2	TF5607X8	7/8	.391	1.25	1.38	13/16	F72351
3/4	TF5707X12	1-1/4	.609	1.66	1.75	1-1/16	F72203
1	TF5707X16	1-1/2	.844	1.81	2.00	1-3/8	F71034



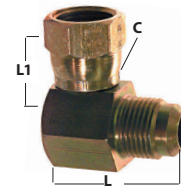
MALE BOSS O-RING TO FEMALE PIPE SWIVEL 90° ELBOW

Straight Thread	NPSM Swivel Nut	Equivalent Eaton No.	Hex C	L	L1	Part No.
7/16-20	1/4-18	9515X4X4	11/16	1.109	.781	F76019
7/16-20	3/8-18	9515X4X6	7/8	1.100	.900	F74066
9/16-18	1/4-18	9515X6X4	11/16	1.187	.781	F76847
9/16-18	3/8-18	9515X6X6	7/8	1.296	.937	F73513
9/16-18	1/2-14	9515X6X8	1	1.484	1.000	F76522
3/4-16	3/8-18	9515X8X6	1	1.515	1.000	F71798
3/4-16	1/2-14	9515X8X8	1	1.515	1.000	F71385
3/4-16	3/4-14	9515X8X12	1-1/4	1.656	1.250	F7233
7/8-14	3/4-14	9515X10X12	1-1/4	1.781	1.250	F71964
11/16-12	3/4-14	9515X12X12	1-1/4	1.921	1.250	F71529
1-5/16-12	3/4-14	9515X16X12	1-1/2	2.093	1.375	F72674
1-5/16-12	1-11-1/2	9515X16X16	1-1/2	2.093	1.375	F75254



JIC 37° SWIVEL NUT 90° ELBOW

Tube O.D.	Hex C	D	M	N	Across Flat	Equivalent Eaton No.	Part No.
1/4	9/16	.172	.89	1.00	7/16	C5506X4	F77001
5/16	5/8	.234	.95	1.06	1/2	C5506X5	F7110
3/8	11/16	.297	1.06	1.25	9/16	C5506X6	F77678
1/2	7/8	.391	1.25	1.42	3/4	C5506X8	F72620
5/8	1	.484	1.45	1.62	7/8	C5506X10	F72294
3/4	1-1/4	.609	1.66	1.75	1-1/6	C5506X12	F72431
1	1-1/2	.844	1.81	2.0	1-5/16	C5506X16	F73779
1-1/4	2	1.078	2.06	2.31	1-5/8	C5506X20	F71187



90° ELBOW 45° FEMALE SWIVEL TO SAE 45°

Tube O.D.	45° Flare Thread	Equivalent Eaton No.	Hex C	L	L1	Part No.
3/8	5/8-18	9151X6X6	3/4	1.000	.690	F73600
1/2	3/4-16	9151X8X8	1	1.250	.990	F75275

ADAPTERS — STEEL SPLIT FLANGE

- Typical Application:** Split flange adapters eliminate the need for special hose ends. Interconnect pumps & valves with SAE flange outlets using low cost standard hose assemblies to replace equipment hose assemblies.
- Pressure:** Code 61-3000 PSI working pressure

- Material:** Low carbon steel
- Plating:** Zinc; Yellow Dichromate Finish

CODE 61 SPLIT FLANGE TO MALE 37° JIC STRAIGHT



Tube Size	Code 61 Flange Size	A	Dia C	T	Thread Size	Equivalent Eaton No.	Part No.
1	1	2.74	1.750	.315	1-5/16-12	50016	F76416

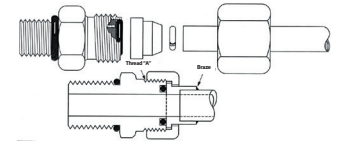
CODE 61 SPLIT FLANGE TO MALE 37° JIC 90° ELBOW



Tube Size	Code 61 Flange Size	A	B	Dia C	T	Thread Size	Equivalent Eaton No.	Part No.
1/2	3/4	2.54	1.69	1.500	.265	3/4-16	59008X12	F75063
1	1	3.61	2.38	1.750	.315	1-5/6-12	59016	F76696
1-1/4	1-1/4	3.52	2.62	2.000	.315	1-5/8-12	59020	F71880

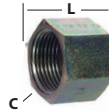
ADAPTERS — STEEL FLAT FACE O-RING

- **Typical Applications:** High pressure hydraulic, pneumatic and chemical processing.
- **Pressure:** Operating pressure to 6,000 psi (1-1/4" and 1-1/2" maximum 4,000 psi). See thread chart.
- **Sealing Method:** O-Ring.
- **Vibration:** Excellent resistance.
- **Material:** Steel.
- **Plating:** All fittings are zinc plated, except braze parts with are oil dipped.
- **Used With:** Steel tubing (tubing for brazing must be non-coated).
- **Advantages:** Tubing is brazed for permanent leakproof connection.
- **Conformance:** Meets SAE J1453.



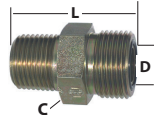
Tube O.D.	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2
Thread	9/16-18	11/16-16	13/16-16	1-14	1-3/16-12	1-7/16-12	1-11/16-12	2-12
Max PSI	6000	6000	6000	6000	6000	6000	4000	4000

CAP



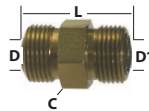
Tube O.D.	Hex C	L	Equivalent Eaton No.	Part No.
1/4	5/8	.34	4129X4	F74552
3/8	13/16	.37	4129X6	F75255
1/2	15/16	.47	4129X8	F71987
5/8	1-1/8	.47	4129X10	F71063
3/4	1-3/8	.53	4129X12	F75619
1	1-5/8	.59	4129X16	F75431
1-1/4	1-7/8	.59	4129X20	F73691

FLAT FACE O-RING TO MALE PIPE



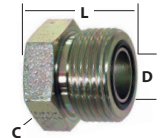
Tube O.D.	Male Pipe Thread	Hex C	D	L	Equivalent Eaton No.	Part No.
3/8	3/8	3/4	.264	1.30	4205X6X6	F76222
1/2	3/8	7/8	.378	1.38	4205X8	F76611
1/2	1/2	7/8	.378	1.64	4205X8X8	F78258
5/8	1/2	1-1/16	.484	1.75	4205X10	F71948
3/4	1/2	1-1/4	.609	1.87	4205X12X8	F76868
3/4	3/4	1-1/4	.609	1.87	4205X12	F71858
3/4	1	1-3/8	.609	2.06	4205X12X16	F77819

FLAT FACE O-RING UNION



Tube OD	Tube OD	Hex C	D	D1	L	Equivalent Eaton No.	Part No.
1/4	1/4	5/8	.172	.172	1.08	4305X4	F76828
1/2	1/2	7/8	.378	.378	1.39	4305X8	F72506
5/8	5/8	1-1/16	.484	.484	1.68	4305X10	F72005
3/4	3/4	1-1/4	.609	.609	1.86	4305X12	F72886

FLAT FACE O-RING PLUG



Tube O.D.	Hex C	D	L	Equivalent Eaton No.	Part No.
1/4	5/8	.172	.659	4229X4	F71507
3/8	3/4	.264	.751	4229X6	F75688
1/2	7/8	.378	.869	4229X8	F7665
5/8	1-1/16	.484	1.020	4229X10	F75466
3/4	1-1/4	.609	1.080	4229X12	F75872
1	1-1/2	.812	1.100	4229X16	F77275
1-1/4	1-3/4	1.026	1.100	4229X20	F72565

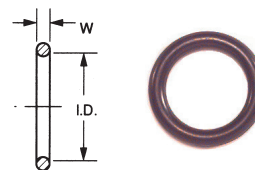
O-RINGS — FLAT FACE O-RING ADAPTERS

REPLACEMENT O-RING (FOR FLAT FACE)

Tube O.D.	W	I.D.	Equivalent Eaton No.	Part No.
1/4	.070	.301	4629X4	F75729
3/8	.070	.364	4629X6	F74366
1/2	.070	.489	4629X8	F7511
5/8	.070	.614	4629X10	F74778
3/4	.070	.739	4629X12	F73795
1	.070	.926	4629X16	F78060
1-1/4	.070	1.176	4629X20	F7626
1-1/2	.070	1.489	4629X24	F76523

Material: Buna N 90 Durometer

Temperature Range: -40°F to +275°F



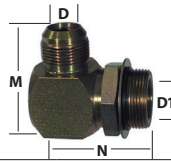
FLUID POWER

3 Steel, stainless & Malleable Fittings

ADAPTERS — STEEL MALE BOSS O-RING

- **BSP ADAPTERS**
- **Typical Applications:** Pressure hydraulic systems
- **Sealing Method:** O-Ring

MALE BOSS O-RING 90° ELBOW TO MALE JIC 37° (MACHINED FROM BAR)

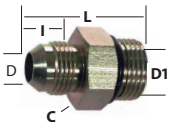


Tube O.D.	Port Size	D	D1	M	N	Across Flats	Equivalent Eaton No.	Part No.
5/8	1/2	.484	.391	1.45	1.52	15/16	TF5515X10X8	F74395
3/4	1	.609	.844	1.78	2.05	1-3/8	TF5515X12X16	F78337
1-1/4	1	1.078	1.078	2.06	2.23	1-3/4	TF5515X20X16	F77032
1-1/4	1-1/4	1.078	1.078	2.06	2.25	1-3/4	TF5515X20	F72195



MALE BOSS O-RING HEX HEAD PLUG

Port Size	Hex C	L	D1	Equivalent Eaton No.	Part No.
1/4	9/16	.67	.203	7237 x 4	F74466
5/16	5/8	.67	.234	7237 x 5	F76554
3/8	11/16	.73	.297	7237 x 6	F71365
1/2	7/8	.80	.422	7237 x 8	F75205
5/8	1	.93	.500	7237 x 10	F74842
3/4	1-1/4	1.09	.656	7237 x 12	F76224
7/8	1-3/8	1.09	.718	7237 x 14	F7524
1	1-1/2	1.12	.875	7237 x 16	F72724

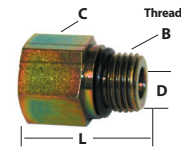


MALE JIC 37° TO MALE BOSS O-RING CONNECTOR

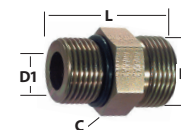
Tube O.D.	Port Size	Male JIC	Male ORB	Hex C	D	L	Equivalent Eaton No.	Part No.
1/8	1/8	516-24	516-24	7/16	.062	1.06	C5315X2	F73575
3/16	3/16	3/8-24	3/8-24	1/2	.125	1.10	C5315X3	F77282
1/4	1/4	7/16-20	7/16-20	9/16	.172	1.23	C5315X4	F72059
1/4	5/16	7/16-20	1/2-20	5/8	.172	1.23	C5315X4X5	F76212
1/4	3/8	7/16-20	9/16-18	11/16	.172	1.29	C5315X4X6	F77884
1/4	1/2	7/16-20	3/4-16	7/8	.172	1.38	C5315X4X8	F71972
5/16	1/4	1/2-20	7/16-20	9/16	.234	1.23	C5315X5X4	F71116
5/16	5/16	1/2-20	1/2-20	5/8	.234	1.30	C5315X5	F76778
5/16	3/8	1/2-20	9/16-18	11/16	.234	1.30	C5315X5X6	F74776
3/8	1/4	9/16-18	7/16-20	5/8	.297	1.33	C5315X6X4	F76892
3/8	5/16	9/16-18	1/2-20	5/8	.297	1.30	C5315X6X5	F73577
3/8	3/8	9/16-18	9/16-18	11/16	.297	1.30	C5315X6	F71581
3/8	1/2	9/16-18	3/4-16	7/8	.297	1.38	C5315X6X8	F74326
3/8	5/8	9/16-18	7/8-14	1	.297	1.50	C5315X6X10	F71704
3/8	3/4	9/16-18	11/16-12	1-1/4	.297	1.65	C5315X6X12	F72931
1/2	3/8	3/4-16	9/16-18	13/16	.391	1.44	C5315X8X6	F76304
1/2	1/2	3/4-16	3/4-16	7/8	.391	1.48	C5315X8	F74492
1/2	5/8	3/4-16	7/8-14	1	.391	1.60	C5315X8X10	F74327
1/2	3/4	3/4-16	1-1/8-12	1-1/4	.391	1.76	C5315X8X12	F7246
5/8	1/2	7/8-14	3/4-16	15/16	.484	1.64	C5315X10X8	F76178
5/8	5/8	7/8-14	7/8-14	1	.484	1.70	C5315X10	F72265
5/8	3/4	7/8-14	1-1/8-12	1-1/4	.484	1.86	C5315X10X12	F75447
5/8	1	7/8-14	1-5/16-12	1-1/2	.484	1.89	C5315X10X16	F73547
3/4	1/2	1-1/16-12	3/4-16	1-1/8	.609	1.94	C5315X12X8	F78297
3/4	5/8	1-1/16-12	7/8-14	1-1/8	.609	1.88	C5315X12X10	F72470
3/4	3/4	1-1/16-12	1-1/8-12	1-1/4	.609	1.97	C5315X12X12	F7383
3/4	7/8	1-1/16-12	1-3/16-12	1-3/8	.609	1.97	C5315X12X14	F74218
3/4	1	1-1/16-12	1-5/16-12	1-1/2	.609	1.99	C5315X12X16	F74346
3/4	1-1/4	1-1/16-12	1-5/8-12	1-7/8	.609	2.08	C5315X12X20	F76403
7/8	7/8	1-3/16-12	1-3/16-12	1-3/8	.719	1.99	C5315X14	F77237
1	5/8	1-5/16-12	7/8-14	1-1/2	.844	2.07	C5315X16X10	F71453
1	3/4	1-5/16-12	1-1/16-12	1-1/2	.844	2.04	C5315X16X12	F73078
1	1	1-5/16-12	1-5/16-12	1-1/2	.844	2.04	C5315X16	F73066
1	1-1/4	1-5/16-12	1-5/8-12	1-7/8	.844	2.12	C5315X16X20	F74400
1-1/4	1	1-5/8-12	1-5/16-12	1-7/8	1.078	2.23	C5315X20X16	F72784
1-1/4	1-1/4	1-5/8-12	1-5/8-12	1-7/8	1.078	2.17	C5315X20	F75721
1-1/4	1-1/2	1-5/8-12	1-7/8-12	2-1/8	1.078	2.24	C5315X20X24	F72756

- **Note:** For pressure, material and plating in formation, refer to appropriate steel adapter section of this catalog (pipe-flat face o-ring-awivel)

MALE BOSS O-RING TO FEMALE PIPE ADAPTER

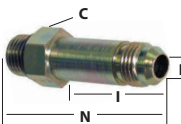


Male Port	Female Pipe Thread	Straight Thread B	Hex C	D	L	Equivalent Eaton No.	Part No.
1/4	1/8	7/16-20	9/16	.172	.97	C3269X4X2	F78158
1/4	1/4	7/16-20	3/4	.172	1.16	C3269X4X4	F74800
5/16	1/8	1/2-20	5/8	.234	.94	C3269X5X2	F76196
3/8	1/4	9/16-18	3/4	.297	1.09	C3269X6X4	F77174
3/8	3/8	9/16-18	7/8	.281	1.30	C3269X6X6	F74718
3/8	1/2	9/16-18	1-1/8	.281	1.44	C3269X6X8	F73635
1/2	1/4	3/4-16	7/8	.421	1.06	C3269X8X4	F75293
1/2	3/8	3/4-16	7/8	.421	1.22	C3269X8X6	F76564
1/2	1/2	3/4-16	1-1/16	.421	1.50	C3269X8X8	F7390
5/8	1/2	7/8-14	1-1/8	.500	1.50	C3269X10X8	F76350
3/4	1/2	1-1/16-12	1-1/4	.688	1.34	C3269X12X8	F71396
3/4	3/4	1-1/16-12	1-3/8	.656	1.66	C3269X12X12	F71386
1	1/4	1-5/16-12	1-1/2	.878	1.50	C3269X16X12	F71517
1	1	1-5/16-12	1-5/8	.876	1.88	C3269X16X16	F7734



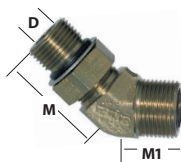
MALE BOSS O-RING TO FLAT FACE O-RING CONNECTOR

Tube O.D.	Port Size	Hex C	D	D1	L	Equivalent Eaton No.	Part No.
1/4	1/4	5/8	.172	.172	1.130	4315X4	F71608
1/4	3/8	11/16	.172	.264	1.200	4315X4X6	F77377
3/8	1/4	3/4	.264	.172	1.346	4315X6X4	F73752
3/8	3/8	3/4	.264	.264	1.260	4315X6	F71557
3/8	1/2	7/8	.381	.264	1.378	4315X6X8	F77142
3/8	5/8	1-1/16	.264	.264	1.528	4315X6X10	F71926
1/2	3/8	7/8	.378	.264	1.367	4315X8X6	F72468
1/2	1/2	7/8	.378	.382	1.440	4315X8	F72244
1/2	5/8	1	.378	.381	1.691	4315X8X10	F74294
1/2	3/4	1-1/4	.378	.609	1.750	4315X8X12	F76435
5/8	5/8	1-1/16	.484	.484	1.700	4315X10	F73265
3/4	3/4	1-1/4	.609	.609	1.910	4315X12	F75413
3/4	1	1-1/2	.609	.609	1.960	4315X12X16	F75871
1	1	1-1/2	.812	.812	1.980	4315X16	F75217



MALE BOSS O-RING EXTENDED CONNECTOR TO MALE JIC 37°

Tube O.D.	Post Size	Equivalent Eaton No.	Hex C	D	I	L	Part No.
3/8	3/8	C5316X6	11/16	.297	1.56	2.31	F7706
1/2	1/2	C5316X8	7/8	.391	1.88	2.70	F75739



MALE BOSS O-RING 45° ELBOW TO FLAT FACE O-RING

Tube O.D.	Port Size	D	M	M1	Across Flats	Equivalent Eaton No.	Part No.
1/4	1/4	.173	.63	1.18	9/16	4365X4	F75817
3/8	3/8	.264	.74	1.30	3/4	4365X6	F71929
1/2	1/2	.387	.89	1.43	3/4	4365X8	F75325
5/8	5/8	.484	.92	1.76	1-1/16	4365X10	F776
3/4	3/4	.609	1.02	1.97	1-5/16	4365X12	F73677
1	1	.812	1.18	2.06	1-5/8	4365X16	F75777

ADAPTERS — STEEL MALE BOSS O-RING (continued)

MALE BOSS O-RING 90° ELBOW TO MALE JIC 37°



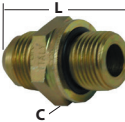
Tube O.D.	Port Size	D	D1	M	N	Across Flats	Equivalent Eaton No.	Part No.
3/16	3/16	.125	.125	.83	.94	7/16	C5515X3	F71239
1/4	1/4	.172	.172	.89	1.03	7/16	C5515X4	F76241
5/16	5/16	.234	.234	.95	1.09	1/2	C5515X5	F77446
3/8	3/8	.297	.297	1.06	1.25	9/16	C5515X6	F74056
3/8	1/2	.297	.391	1.14	1.45	3/4	C5515X6X8	F76790
1/2	3/8	.391	.297	1.25	1.32	3/4	C5515X8X6	F73095
1/2	1/2	.391	.391	1.25	1.45	3/4	C5515X8	F72041
1/2	5/8	.391	.484	1.33	1.70	7/8	C5515X8X10	F73499
5/8	5/8	.484	.484	1.45	1.70	7/8	C5515X10	F77597
3/4	5/8	.609	.484	1.66	1.78	1-1/16	C5515X12X10	F75076
3/4	3/4	.609	.609	1.66	1.94	1-1/16	C5515X12	F77297
7/8	7/8	.718	.718	1.73	2.00	1-5/16	C5515X14	F71188
1	3/4	.844	.609	1.81	2.05	1-5/16	C5515X16X12	F77101
1	1	.844	.844	1.81	2.05	1-5/16	C5515X16	F75751
1-1/4	1-1/4	1.078	1.078	2.06	2.25	1-5/8	C5515X20	F76737

MALE O-RING BOSS TO MALE PIPE STRAIGHT



MORB	NPTF	MORB Thread	Male NPTF	Hex	Length	Part No.
1/4	1/4	7/16-20	1/4-18	9/16	1.24	F78534
3/8	3/8	9/16-18	3/8-18	3/4	1.22	F78535
1/2	1/2	3/4-16	1/2-14	7/8	1.56	F78536
3/4	3/4	1-1/16-12	3/4-14	1-1/4	1.73	F78529

MALE JIC 37° TO MALE METRIC STRAIGHT THREAD O-RING



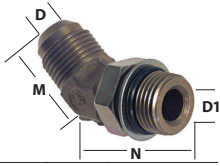
Tube OD	Male Metric Thread	Overall Length	Hex C	Part No.
1/2	M18-1.5	1.48	15/16	F78320

90° ELBOW-MALE JIC 37° TO MALE METRIC STRAIGHT THREAD O-RING



Tube OD	Male Metric Thread	M	N	Part No.
1/2	M18-1.5	1.26	1.47	F74715

MALE BOSS O-RING 45° ELBOW TO MALE JIC 37°



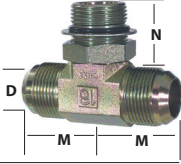
Tube O.D.	Port Size	Equivalent Dana No.	D	D1	M	N	Across Flats	Part No.
1/4	1/4	C5365X4	.172	.172	.72	1.05	7/16	F75395
5/16	5/16	C5365X5	.234	.234	.77	1.05	9/16	F71521
3/8	3/8	C5365X6	.297	.297	.83	1.14	9/16	F75557
1/2	1/2	C5365X8	.391	.391	.98	1.30	3/4	F74782
1/2	5/8	C5365X8X10	.391	.484	.99	1.52	7/8	F71049
3/4	5/8	C5365X12X10	.609	.484	1.28	1.57	1-1/16	F754
3/4	3/4	C5365X12	.609	.609	1.28	1.73	1-1/16	F73436
1	1	C5365X16	.844	.844	1.47	1.86	1-5/16	F72395

MALE O-RING BOSS TO MALE PIPE 90 ELBOW



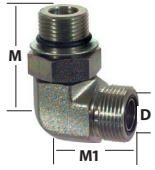
MORB	NPTF	MORB Thread	Male NPTF	Hex	Length	Part No.
1/4	1/4	7/16-20	1/4-18	9/16	1.24	F78531
3/4	3/4	1-1/16-12	3/4-14	1-1/4	1.73	F78530

MALE BOSS O-RING BRANCH TEE TO MALE JIC 37°



Tube O.D.	Hex C	D	M	N	Across Flats	Equivalent Eaton No.	Part No.
1/2	1/2	.391	1.25	1.45	3/4	C5715X8	F72815

MALE BOSS O-RING 90° ELBOW TO FLAT FACE O-RING



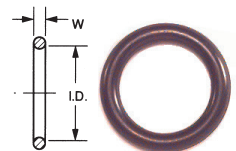
Tube O.D.	Port Size	D	M	M1	Across Flats	Equivalent Eaton No.	Part No.
1/4	1/4	.173	.85	1.29	9/16	4515X4	F76551
3/8	3/8	.264	.98	1.45	3/4	4515X6	F76573
3/8	1/2	.264	1.04	1.60	3/4	4515X6X8	F76393
1/2	1/2	.387	1.10	1.60	3/4	4515X8	F75247
5/8	5/8	.484	1.31	1.97	1-1/16	4515X10	F75417
3/4	3/4	.609	1.47	2.17	1-5/16	4515X12	F75430
1	1	.812	1.64	2.35	1-5/8	4515X16	F7686

O-RINGS — MALE BOSS O-RING ADAPTERS

REPLACEMENT O-RING (FOR STRAIGHT THREAD)

Tube O.D.	W	I.D.	Equivalent Eaton No.	Part No.
1/4	.072±.003	.351±.005	7629X4	F72744
5/16	.072±.003	.414±.005	7629X5	F75105
3/8	.078±.003	.468±.005	7629X6	F7933
1/2	.087±.003	.644±.005	7629X8	F73004
5/8	.097±.003	.755±.005	7629X10	F76036
3/4	.116±.003	.924±.005	7629X12	F72980
1	.116±.003	1.171±.005	7629X16	F71468
1-1/4	.118±.003	1.475±.005	7629X20	F71911
2	.118	2.337	7629X32	F78576

Material: Buna N 90 Durometer
Temperature Range: -40°F to +275°F
Complies with SAE specifications SAE J515 type 1

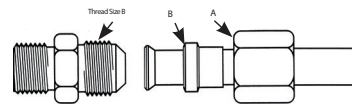


FLUID POWER

3 Steel, stainless & Malleable Fittings

ADAPTERS — STEEL JIC 37°

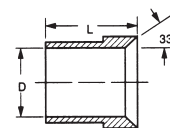
- Typical Application:** Hydraulic, instrumentation and chemical processing systems.
- Pressure:** Operating pressure up to 10,000 PSI depending on tube and fitting size.
- Vibration:** Good resistance. Vibration resistance decreases with increase in tube size.
- Temperature Range:** -65°F to +400°F at maximum operating pressures.
- Material:** Carbon Steel AISI/SAE 12L14, plating zinc, yellow dichromate finish.
- Used With:** Copper, brass, steel, aluminum and other tubing that can be flared.
- Advantages:** Zinc plate. Broad selection of styles and sizes. Interchangeable with all sources.
- Conformance:** Meets specifications and standards of ASA, ASME, SAE and MS (Military Standards).



Tube O.D.	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	2 1/2-12
Thread Size B	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1 1/16-12	1 3/16-12	1 5/16-12	1 7/8-12	1 7/8-12	2

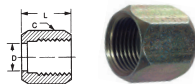
SLEEVE (FOR 3-PIECE FLARE)

Tube O.D.	D	L	Equivalent Eaton No.	Part No.
1/8	.130	.34	C5165X2	F74929
3/16	.193	.34	C5165X3	F71086
1/4	.255	.41	C5165X4	F72364
5/16	.318	.44	C5165X5	F74016
3/8	.380	.50	C5165X6	F7387
1/2	.505	.56	C5165X8	F73099
7/8	.881	.76	C5165X14	F76932
1	1.006	.78	C5165X16	F74098



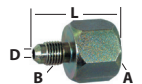
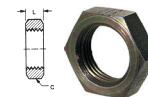
NUT (FOR 3-PIECE FLARE)

Tube O.D.	Hex C	D	L	Equivalent Eaton No.	Part No.
3/16	7/16	.243	.61	C5105X3	F78063
1/4	9/16	.305	.61	C5105X4	F75834
5/16	5/8	.374	.67	C5105X5	F72573
3/8	11/16	.440	.72	C5105X6	F72731
1/2	7/8	.570	.84	C5105X8	F72299
5/8	1	.698	.97	C5105X10	F72427
1	1-1/2	1.089	1.13	C5105X16	F71106
1-1/4	2	1.347	1.23	C5105X20	F77509



BULKHEAD NUT

Tube O.D.	Hex C	L	Equivalent Eaton No.	Part No.
3/16	5/8	.22	C5924X3	F75001
1/4	11/16	.25	C5924X4	F73885
5/16	3/4	.25	C5924X5	F76201
3/8	13/16	.27	C5924x6	F7796
1/2	1	.31	C5924X8	F7447
5/8	1-1/8	.36	C5924X10	F73103
3/4	1-3/8	.41	C5924X12	F7658
1	1-5/8	.41	C5924X16	F77091



REDUCER

Female Reduction A	Male Reduction B	D	L	Dia. X	Equivalent Eaton No.	Part No.
3/8	1/4	.172	.97	.502	C5015X6X4	F7191
1/2	1/4	.172	1.00	.682	C5015X8X4	F78200
1/2	3/8	.297	1.00	.682	C5015X8X6	F74969
5/8*	3/8	.297	1.41		C5015X10X6	F75474
5/8*	1/2	.391	1.41		C5015X10X8	F71980
3/4	1/4	.172	1.10	.972	C5015X12X4	F73354
3/4	3/8	.297	1.09	.972	C5015X12X6	F7770
3/4	1/2	.391	1.18	.972	C5015X12X8	F71847
3/4*	5/8	.484	1.58		C5015X12X10	F76025
7/8*	1/2	.391	1.69		C5015X14X8	F7989
1*	1/2	.391	1.72		C5015X16X8	F78278
1*	5/8	.484	1.79		C5015X16X10	F7705
1**	3/4	.609	1.47	1.222	C5015X16X12	F74033
1-1/4**	3/4	.609	1.50	1.534	C5015X20X12	F71906
1-1/4*	1	.844	2.00		C5015X20X16	F76597

** Note: Order nut (prefix 680.2) separately for two piece design



LARGE HEX UNION

Tube O.D.	Hex C	D	D1	L	Equivalent Eaton No.	Part No.
1/4	11/16	.172	.172	1.37	C5306X4	F74888
5/16	3/4	.234	.234	1.37	C5306X5L	F74389
3/8	13/16	.297	.297	1.41	C5306X6	F74727
1/2	1	.391	.391	1.62	C5306X8	F77332
5/8	1-1/8	.484	.484	1.88	C5306X10	F77613
3/4	1-3/8	.609	.609	2.16	C5306X12	F7902
1	1-5/8	.844	.844	2.75	C5306X16	F74486
1-1/4	1-7/8	1.078	1.078	2.43	C5306X20	F73757

SMALL HEX UNION

Tube O.D. A	Tube O.D. B	Hex C	D	D1	L	Equivalent Eaton No.	Part No.
1/8	1/8	7/16	.062	.062	1.17	C5305X2	F76260
3/16	3/16	7/16	.125	.125	1.23	C5305X3	F77850
1/4	1/4	1/2	.172	.172	.137	C5305X4	F72464
5/16	1/4	9/16	.234	.172	.137	C5305X5X4	F76629
5/16	5/16	9/16	.234	.234	.137	C5305X5	F78196
3/8	1/4	5/8	.297	.172	.140	C5305X6X4	F7260
3/8	5/16	5/8	.297	.234	.140	C5305X6X5	F73525
3/8	3/8	5/8	.297	.297	.141	C5305X6	F78253
1/2	3/8	13/16	.391	.297	1.52	C5305X8X6	F74972
1/2	1/2	13/16	.391	.391	.162	C5305X8	F75982
5/8	1/2	15/16	.484	.391	.178	C5305X10X8	F73909
5/8	5/8	15/16	.484	.484	.188	C5305X10	F72619
3/4	1/2	1-1/8	.609	.391	.195	C5305X12X8	F74845
3/4	5/8	1-1/8	.609	.484	.205	C5305X12X10	F75179
3/4	3/4	1-1/8	.609	.609	.216	C5305X12X12	F75634
7/8	7/8	1-1/4	.719	.719	.221	C5305X14	F77869
1	3/4	1-3/8	.844	.609	.220	C5305X16X12	F74435
1	1	1-3/8	.844	.844	.225	C5305X16	F71128
1-1/4	1-1/4	1-11/16	1.078	1.078	.243	C5305X20	F73306

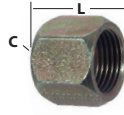


FEMALE JIC X JIC STRAIGHT UNION

Tube	L	Hex	Part No.
1/4	1.26	9/16	F79661
3/8	1.33	11/16	F79662
1/2	1.66	7/8	F79663
5/8	1.90	1	F79664
3/4	2.33	1-1/4	F79665
1	2.63	1-1/2	F79666

ADAPTERS — STEEL JIC 37° (continued)

CAP
(Ref. SAE No. 070112)
MS51532

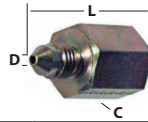


Tube O.D.	Hex C	L	Equivalent Eaton No.	Part No.
1/8	3/8	.50	C5129X2	F7263
3/16	7/16	.56	C5129X3	F71749
1/4	9/16	.59	C5129X4	F73471
5/16	5/8	.61	C5129X5	F73955
3/8	11/16	.62	C5129X6	F7612
1/2	7/8	.75	C5129X8	F72323
5/8	1	.84	C5129X10	F71013
3/4	1-1/4	.91	C5129X12	F78039
7/8	1-3/8	1.02	C5129X14	F73123
1	1-1/2	1.02	C5129X16	F71201
1-1/4	2	1.03	C5129X20	F74819
1-1/2	2-1/4	1.19	C5129X24	F76935

PLUG
(Ref. SAE No. 070109)
MS51518

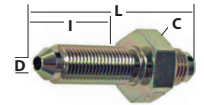


Tube O.D.	Hex C	L	Equivalent Eaton No.	Part No.
1/4	1/2	.80	C5229X4	F74235
5/16	9/16	.80	C5229X5	F74907
3/8	5/8	.84	C5229X6	F77998
1/2	13/16	.94	C5229X8	F76388
5/8	15/16	1.10	C5229X10	F74689
3/4	1-1/8	1.28	C5229X12	F72182
7/8	1-1/4	1.31	C5229X14	F77229
1	1-3/8	1.33	C5229X16	F75990
1-1/4	1-11/16	1.45	C5229X20	F74869
1-1/2	2	1.65	C5229X24	F78085



FEMALE PIPE TO MALE JIC

Tube O.D.	Female Pipe Thread	Equivalent Eaton No.	Hex C	D	L	Part No.
1/8	1/8	C5255X2	9/16	.062	1.12	F77622
3/16	1/8	C5255X3	9/16	.125	1.13	F75556
1/4	1/8	C5255X4	9/16	.172	1.19	F77460
1/4	1/4	C5255X4X4	3/4	.172	1.39	F71104
5/16	1/8	C5255X5	9/16	.234	1.17	F71471
5/16	1/4	C5255X5X4	3/4	.234	1.39	F75624
3/8	1/4	C5255X6	3/4	.297	1.40	F73016
3/8	3/8	C5255X6X6	7/8	.297	1.46	F73616
1/2	3/8	C5255X8	7/8	.391	1.56	F74101
1/2	1/2	C5255X8X8	1-1/8	.391	1.79	F73855
5/8	1/2	C5255X10	1-1/8	.484	1.89	F75167
3/4	1/2	C5255X12X8	1-1/8	.609	2.05	F75743
3/4	3/4	C5255X12	1-3/8	.609	2.06	F73706
1	1	C5255X16	1-5/8	.844	2.35	F77970



BULKHEAD UNION

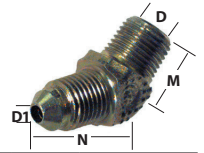
Use 680.3xx nuts for bulkhead

Tube O.D.	Equivalent Eaton No.	Hex C	D	I	L	Part No.
3/16	C5325X3	5/8	.125	1.14	1.90	F73959
1/4	C5325X4	11/16	.172	1.23	2.07	F74743
3/8	C5325X6	13/16	.297	1.31	2.18	F78080
1/2	C5325X8	1	.391	1.47	2.44	F74995
5/8	C5325X10	1-1/8	.484	1.61	2.74	F77491
3/4	C5325X12	1-3/8	.609	1.78	3.09	F7183
1	C5325X16	1-5/8	.844	1.78	3.14	F73386



MALE JIC TO FEMALE PIPE 90° ELBOW

Tube O.D.	Female Pipe Thread	Equivalent Eaton No.	D	M	N	Across Flats	Part No.
1/4	1/8	C5455X4	.172	1.08	.66	9/16	F72217
1/4	1/4	TF5455X4X4	.172	1.08	.88	9/16	F77588
3/8	1/8	C5455X6X2	.297	1.06	.66	9/16	F75336
3/8	1/4	C5455X6	.297	1.23	.88	3/4	F71002
3/8	3/8	C5455X6X6	.297	1.31	1.02	7/8	F72684
1/2	1/4	C5455X8X4	.391	1.23	.88	3/4	F76779
1/2	3/8	C5455X8	.391	1.42	1.02	7/8	F73048
1/2	1/2	C5455X8X8	.391	1.52	1.23	1-1/16	F77125
5/8	1/2	C5455X10	.484	1.64	1.23	1-1/16	F78392
3/4	3/4	C5455X12	.609	1.89	1.36	1-5/16	F73995
1	1	C5455X16	1.078	2.33	1.70	1-7/8	F74677



MALE PIPE TO MALE JIC 45°

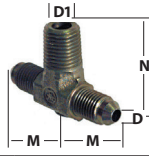
Tube O.D.	Male Pipe Thread	Equivalent Eaton No.	D	D1	M	N	Across Flats	Part No.
1/8	1/8	C5355X2	.062	.188	.66	.52	7/16	F75497
3/16	1/8	C5355X3	.125	.188	.66	.52	7/16	F74373
1/4	1/8	C5355X4	.172	.188	.72	.64	7/16	F76890
1/4	1/4	C5355X4X4	.172	.281	.83	.86	9/16	F73013
5/16	1/8	C5355X5	.234	.188	.77	.67	9/16	F72869
5/16	1/4	C5355X5X4	.234	.281	.83	.86	9/16	F76748
3/8	1/8	C5355X6X2	.297	.188	.83	.69	9/16	F76211
3/8	1/4	C5355X6	.297	.281	.83	.86	9/16	F75676
3/8	3/8	C5355X6X6	.297	.406	.98	.95	3/4	F71145
3/8	1/2	C5355X6X8	.297	.531	1.06	1.17	7/8	F76280
1/2	1/4	C5355X8X4	.391	.281	.98	.95	3/4	F76624
1/2	3/8	C5355X8	.391	.406	.98	.95	3/4	F76609
1/2	1/2	C5355X8X8	.391	.531	.99	1.17	7/8	F75828
5/8	3/8	C5355X10X6	.484	.406	1.11	1.00	7/8	F74719
5/8	1/2	C5355X10	.484	.531	1.11	1.17	7/8	F71678
3/4	1/2	C5355X12X8	.609	.531	1.28	1.20	1-1/16	F74997
3/4	3/4	C5355X12	.609	.719	1.28	1.20	1-1/16	F71229
1	3/4	C5355X16X12	.844	.719	1.47	1.28	1-3/8	F75222
1	1	C5355X16	.844	.938	1.47	1.48	1-3/8	F76169
1-1/4	1-1/4	C5355X20	1.078	1.250	1.59	1.67	1-3/4	F77934

FLUID POWER

3 Steel, stainless & Malleable Fittings

ADAPTERS — STEEL JIC 37° (continued)

MALE BRANCH TEE MALE JIC - MALE PIPE - MALE JIC



Tube O.D.	Male Pipe Thread	Equivalent Eaton No.	D	D1	M	N	Across Flats	Part No.
1/4	1/8	C5605X4	.172	.188	.89	.78	7/16	F72953
1/4	1/4	C5605X4X4X4	.172	.281	1.05	1.09	9/16	F74343
3/8	1/4	C5605X6	.297	.281	1.06	1.09	9/16	F71369
3/8	3/8	TF5605X6X6X6	.297	.406	1.16	1.22	13/16	F73316
1/2	1/2	TF5605X8X8X8	.391	.531	1.31	1.47	15/16	F71681
1	1	C5605X16	.844	.938	1.81	1.97	1-5/16	F74403

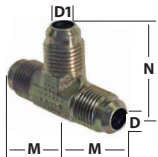
BULKHEAD UNION ELBOW

Use 680.3xx nuts for bulkhead



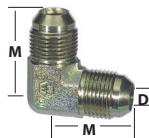
Tube O.D.	Equivalent Eaton No.	D	I	M	M1	Across Flats	Part No.
1/4	C5525X4	.172	1.11	.97	1.59	7/16	F72236

UNION TEE



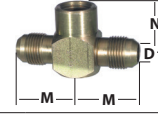
Tube O.D. A	Tube O.D. B	Tube O.D. C	Equivalent Eaton No.	D	M	M1	M2	Across Flats	Part No.
1/4	1/4	1/4	C5705X4	.172	.89	.89	.89	7/16	F72056
3/8	3/8	3/8	C5705X6	.297	1.06	1.06	1.06	9/16	F73758
1/2	1/2	1/2	C5705X8	.391	1.25	1.25	1.25	3/4	F75139
5/8	5/8	5/8	C5705X10	.484	1.45	1.45	1.45	7/8	F74135
3/4	3/4	3/4	C5705X12	.609	1.66	1.66	1.66	1-1/16	F73269
1	1	1	C5705X16	.844	1.81	1.81	1.81	1-5/16	F71785

90° UNION ELBOW



Tube O.D.	Equivalent Eaton No.	D	M	Across Flats	Part No.
1/4	C5505X4	.172	.89	7/16	F78292
3/8	C5505X6	.297	1.06	9/16	F71207
1/2	C5505X8	.391	1.25	3/4	F75040
5/8	C5505X10	.484	1.45	7/8	F75858
3/4	C5505X12	.609	1.66	1-1/16	F75611
1	C5505X16	.844	1.81	1-5/16	F73381
1-1/4	C5505X20	1.078	2.06	1-3/4	F79764
1-1/2	C5505X24	1.312	2.33	2	F79765

FEMALE BRANCH TEE



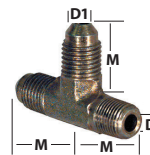
Tube O.D.	Female Pipe Thread	Equivalent Eaton No.	D	M	N	Across Flats	Part No.
1/4	1/4	TF5655X4X4X4	.172	1.14	.88	3/4	F74072
1/2	1/2	TF5655X8X8X8	.391	1.55	1.23	1-1/8	F76742

MALE JIC TO MALE PIPE



Tube O.D.	Male Pipe Thread	Hex C	D	D1 Opt.	Equivalent Eaton No.	Part No.
1/8	1/8	7/16	.062	.188	C5205X2	F73234
3/16	1/8	7/16	.125	.188	C5205X3	F78135
1/4	1/8	1/2	.172	.188	C5205X4	F72580
1/4	1/4	9/16	.172	.281	C5205X4X4	F7542
1/4	3/8	3/4	.172	.406	C5205X4X6	F75793
1/4	1/2	7/8	.172	.531	C5205X4X8	F75863
5/16	1/8	9/16	.234	.188	C5205X5	F7523
5/16	1/4	9/16	.234	.281	C5205X5X4	F71610
5/16	3/8	3/4	.234	.406	C5205X5X6	F77548
3/8	1/8	5/8	.297	.188	C5205X6X2	F72800
3/8	1/4	5/8	.297	.281	C5205X6	F77308
3/8	3/8	3/4	.297	.297	C5205X6X6	F71782
3/8	1/2	7/8	.297	.531	C5205X6X8	F73639
1/2	1/4	13/16	.391	.281	C5205X8X4	F73672
1/2	3/8	13/16	.391	.406	C5205X8	F71110
1/2	1/2	15/16	.391	.531	C5205X8X8	F71449
1/2	3/4	1-1/8	.391	.719	C5205X8X12	F78062
5/8	3/8	15/16	.484	.406	C5205X10X6	F73112
5/8	1/2	15/16	.484	.531	C5205X10	F74185
5/8	3/4	1-1/8	.484	.484	C5205X10X12	F73117
3/4	1/2	1-1/8	.609	.531	C5205X12X8	F72829
3/4	3/4	1-1/8	.609	.719	C5205X12	F77736
3/4	1	1-3/8	.609	.938	C5205X12X16	F74015
7/8	3/4	1-1/4	.718	.718	C5205X14	F77768
1	3/4	1-3/8	.844	.844	C5205X16X12	F73489
1	1	1-3/8	.844	.938	C5205X16	F76088
1	1-1/4	1-11/16	.844	1.250	C5205X16X20	F76410
1-1/4	1	1-11/16	1.078	.938	C5205X20X16	F7944
1	1-1/2	1-11/16	.844	1.500	C5205X16X24	F7415
1-1/4	1-1/4	1-11/16	1.078	1.250	C5205X20	F74554

MALE RUN TEE MALE JIC - MALE JIC - MALE PIPE

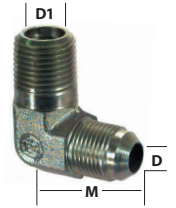


Tube O.D.	Male Pipe Thread	Equivalent Eaton No.	D	D1	M	N	Across Flats	Part No.
3/8	1/4	C5755X6	.297	.281	1.06	1.09	9/16	F77943
1/2	1/2	C5755X8X8X8	.391	.531	1.31	1.47	7/8	F71637
5/8	1/2	C5755X10	.484	.531	1.45	1.47	7/8	F72646
3/4	3/4	C5755X12	.609	.719	1.66	1.59	1-1/16	F72315

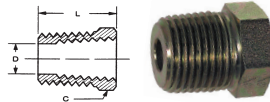
ADAPTERS — STEEL JIC 37° (continued)

MALE PIPE TO MALE JIC 90° ELBOW

Tube O.D.	Male Pipe Thread	D	D1	M	N	Across Flats	Equivalent Eaton No.	Part No.
1/8	1/8	.062	.188	.77	.72	7/16	C5405X2	F71324
3/16	1/8	.125	.188	.83	.72	7/16	C5405X3	F77547
1/4	1/8	.172	.188	.89	.78	7/16	C5405X4	F77829
1/4	1/4	.172	.281	1.05	1.09	9/16	C5405X4X4	F75086
5/16	1/4	.234	.281	1.05	1.09	9/16	C5405X5X4	F73225
3/8	1/8	.297	.188	1.06	.90	9/16	C5405X6X2	F7687
3/8	1/4	.297	.281	1.06	1.09	9/16	C5405X6	F76283
3/8	3/8	.297	.406	1.14	1.22	3/4	C5405X6X6	F76250
3/8	1/2	.297	.531	1.22	1.47	7/8	C5405X6X8	F7290
3/8	3/4	.297	.719	1.31	1.59	1-1/16	C5405X6X12	F78387
1/2	1/4	.391	.281	1.25	1.22	3/4	C5405X8X4	F75555
1/2	3/8	.391	.406	1.25	1.22	3/4	C5405X8	F75932
1/2	1/2	.391	.531	1.33	1.47	7/8	C5405X8X8	F73803
1/2	3/4	.391	.719	1.42	1.59	1-1/16	C5405X8X12	F77437
5/8	3/8	.484	.406	1.45	1.28	7/8	C5405X10X6	F71073
5/8	1/2	.484	.531	1.45	1.47	7/8	C5405X10	F77405
5/8	3/4	.484	.719	1.54	1.59	1-1/16	C5405X10X12	F72458
3/4	1/2	.609	.531	1.66	1.59	1-1/16	C5405X12X8	F74280
3/4	3/4	.609	.719	1.66	1.59	1-1/16	C5405X12	F76026
7/8	3/4	.719	.719	1.73	1.69	1-5/16	TF5405X14	F74951
1	1/2	.844	.531	1.81	1.69	1-5/16		F75862
1	3/4	.844	.719	1.81	1.78	1-5/16	C5405X16X12	F71478
1	1	.844	.938	1.81	1.94	1-5/16	C5405X16	F73356
1-1/4	1-1/4	1.078	1.250	2.06	2.38	1-5/8	C5405X20	F76032

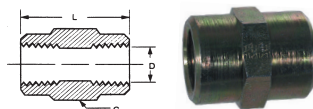


ADAPTERS — STEEL PIPE



BUSHING

Male Pipe Thread	Female Pipe Thread	Equivalent Eaton No.	Hex C	D	L	Part No.
1/4	1/8	C3109X4X2	5/8	.332	.85	F74132
3/8	1/8	C3109X6X2	3/4	.332	.85	F7306
3/8	1/4	C3109X6X4	3/4	.438	.85	F73746
1/2	1/8	C3109X8X2	7/8	.328	1.10	F73049
1/2	1/4	C3109X8X4	7/8	.438	1.10	F7421
1/2	3/8	C3109X8X6	7/8	.578	1.10	F71473
3/4	1/4	C3109X12X4	1-1/8	.438	1.17	F74893
3/4	3/8	C3109X12X6	1-1/8	.578	1.17	F76719
3/4	1/2	C3109X12X8	1-1/8	.703	1.17	F72273
1	1/4	C3109X16X4	1-3/8	1-11-1/2	1.359	F75625
1	3/8	C3109X16X6	1-3/8	.562	1.36	F75037
1	1/2	C3109X16X8	1-3/8	.703	1.36	F73828
1	3/4	C3109X16X12	1-3/8	.922	1.36	F74840
1-1/4	1/2	C3109X20X8	1-3/4	.703	1.47	F72201
1-1/4	3/4	C3109X20X12	1-3/4	.922	1.47	F74193
1-1/4	1	C3109X20X16	1-3/4	1.156	1.47	F76549
1-1/2	1	C3109X24X16	2	1.141	1.58	F76711
1-1/2	1-1/4	C3109X24X20	2	1.500	1.58	F73018
2	1-1/4	C3109X32X20	2-1/2	1.484	1.75	F75804
2	1-1/2	C3109X32X24	2-1/2	1.719	1.75	F78300

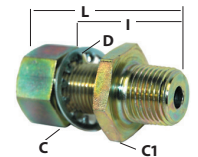
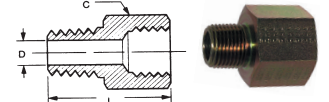


COUPLING

Female Pipe Thread	Female Pipe Thread	Equivalent Eaton No.	Hex C	D	L	Part No.
1/8	1/8	C3309X2	5/8	.343	.75	F76951
1/4	1/8	C3309X4X2	3/4	.437	1.13	F72392
1/4	1/4	C3309X4	3/4	.437	1.13	F75341
3/8	1/4	C3309X6X4	7/8	.562	1.13	F76663
3/8	3/8	C3309X6	7/8	.562	1.13	F75127
1/2	1/4	C3309X8X4	1-1/8	.687	1.50	F77624
1/2	3/8	C3309X8X6	1-1/8	.687	1.50	F72811
1/2	1/2	C3309X8	1-1/8	.687	1.50	F77376
3/4	1/2	C3309X12X8	1-3/8	.906	1.53	F71755
3/4	3/4	C3309X12	1-3/8	.906	1.53	F74565
1	1	C3309X16	1-5/8	1.125	1.125	F76331
1-1/4	1-1/4	C3309X20	2	1.468	1.468	F77791
1-1/2	1-1/2	C3309X24	2-3/8	1.703	1.93	F75713

ADAPTER

Male Pipe Thread	Female Pipe Thread	Equivalent Eaton No.	Hex C	D	L	Part No.
1/8	1/4	C3209X4X2	3/4	.188	1.21	F76870
1/4	1/4		3/4	.281	1.44	F71136
1/4	3/8	C3209X6X4	7/8	.281	1.44	F78183
1/4	1/2	C3209X8X4	1-1/8	.281	1.68	F78064
3/8	1/2	C3209X8X6	1-1/8	.406	1.69	F77592
1/4	3/4	C3209X12X4	1-3/8	.281	1.78	F73098
1/2	3/4	C3209X12X8	1-3/8	.531	1.94	F73287
1/2	1	C3209X16X8	1-5/8	.562	2.09	F76838
3/4	1	C3209X16X12	1-5/8	.719	2.18	F74262
1-1/4	1	C3209X20X16	2	.938	2.46	F77412

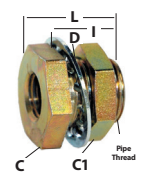


BULKHEAD COUPLING

Male Pipe Thread	Female Pipe Thread	Thread Size B	Hex C	Hex C1	D	I	L	Part No.
1/2	1/4	3/4-16	1-1/4	1-1/6	.312	1.53	2.53	F74882

BULKHEAD COUPLING

Female Pipe Thread	Thread Size B	Hex C	Hex C1	D	I	L	Part No.
1/4	3/4-16	1	15/16	.422	.69	.94	F73859



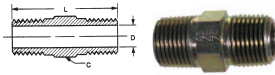
FLUID POWER

3 Steel, stainless & Malleable Fittings

ADAPTERS — STEEL PIPE (continued)

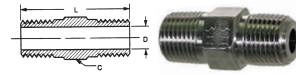
HEX NIPPLE

Male Pipe Thread	Male Pipe Thread	Equivalent Eaton No.	Hex C	D	L	Part No.
1/8	1/8	C3069X2	7/16	.188	1.06	F73979
1/4	1/4	C3069X4	5/8	.281	1.45	F74472
3/8	3/8	C3069X6	3/4	.406	1.45	F7613
1/2	1/2	C3069X8	7/8	.531	1.89	F76643
3/4	3/4	C3069X12	1-1/8	.719	1.96	F73643
1/4	1/8	C3069X4X2	5/8	.188	1.26	F71381
3/8	1/4	C3069X6X4	3/4	.281	1.45	F78276
1/2	1/4	C3069X8X4	7/8	.281	1.70	F77956
1/2	3/8	C3069X8X6	7/8	.406	1.70	F72012
3/4	1/2	C3069X12X8	1-1/8	.531	1.96	F74013
1	1	C3069X16	1-3/8	.938	2.34	F7929
1-1/4	1-1/4	C3069X20	1-3/4	1.250	2.48	F76517



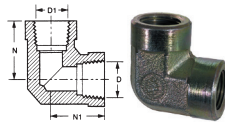
HEX NIPPLE (STAINLESS STEEL)

Female Pipe Thread	Female Pipe Thread	Equivalent Eaton No.	Hex C	D	L	Part No.
1/8	1/8	3081X2	7/16	.188	1.06	F76263
1/4	1/4	3081X4	5/8	.281	1.45	F71683
3/8	3/8	3081X6	3/4	.406	1.45	F76771
1/2	1/2	3081X8	7/8	.531	1.89	F76033



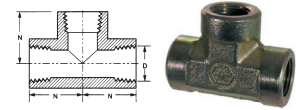
90° ELBOW

Female Pipe Thread	Female Pipe Thread	Equivalent Eaton No.	D	N	Across Flats	Part No.
1/8	1/8	C3509X2	.343	.66	9/16	F76591
1/4	1/8	TF3509X4X2	.343	.88	3/4	F73330
1/4	1/4	C3509X4	.437	.88	3/4	F72893
3/8	1/4	TF3509X6X4	.437	1.02	7/8	F7335
3/8	3/8	C3509X6	.562	1.02	7/8	F76826
1/2	3/8	TF3509X8X6	.562	1.23	1-1/8	F7457
1/2	1/2	C3509X8	.687	1.23	1-1/16	F71791
3/4	1/2	TF3509X12X8	.687	1.23	1-3/8	F75709
3/4	3/4	C3509X12	.906	1.36	1-5/16	F7356
1	1	C3509X16	.687	1.23	1-1/16	F74652
1-1/4	1-1/4	C3509X20	1.468	1.70	1-7/8	F75432
1-1/2	1-1/2	TF3509X24	1.734	2.08	2-3/8	F72918



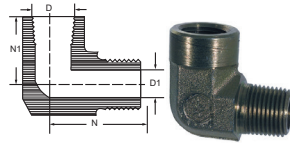
TEE

Female Pipe Thread	Equivalent Eaton No.	D	N	Across Flats	Part No.
1/8	C3709X2	.343	.66	9/16	F78289
1/4	C3709X4	.437	.88	3/4	F73107
3/8	C3709X6	.562	1.02	7/8	F72242
1/2	C3709X8	.687	1.23	1-1/16	F7124
3/4	C3709X12	.906	1.36	1-5/16	F74083
1	C3709X16	1.125	1.62	1-5/8	F72795



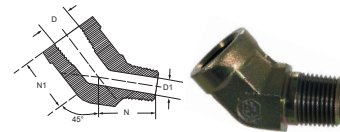
90° STREET ELBOW

Male Pipe Thread	Fem. Pipe Thread	Equivalent Eaton No.	D	D1	N1	N	Across Flat	Part No.
1/8	1/8	C3409X2	.332	.188	.66	.78	9/16	F74975
1/4	1/8	TF3409X4X2	.332	.281	.67	1.09	5/8	F77143
1/4	1/4	C3409X4	.437	.281	.88	1.09	3/4	F74624
1/4	3/8	TF3409X4X6	.562	.281	1.02	1.22	7/8	F73082
3/8	1/4	TF3409X6X4	.437	.406	.91	1.22	13/16	F78125
3/8	3/8	C3409X6	.562	.406	1.02	1.22	7/8	F71779
3/8	1/2	TF3409X6X8	.687	.406	1.23	1.38	1-1/8	F71909
1/2	3/8	TF3409X8X6	.562	.531	1.05	1.47	15/16	F71983
1/2	1/2	C3409X8	.687	.531	1.23	1.47	1-1/16	F74349
3/4	3/4	C3409X12	.906	.719	1.36	1.59	1-5/16	F7201
1	1	C3409X16	1.125	.938	1.97	1.62	1-5/8	F7411
1-1/4	1-1/4	C3409X20	1.468	1.250	2.38	1-7/8	1-7/8	F7193



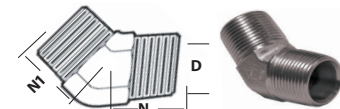
45° STREET ELBOW

Male Pipe Thread	Fem. Pipe Thread	Equivalent Eaton No.	D	D1	N1	N	Across Flat	Part No.
1/8	1/8	C3359X2	.332	.188	.47	.72	9/16	F73701
1/4	1/4	C3359X4	.437	.281	.62	1.05	3/4	F74247
3/8	3/8	C3359X6	.562	.406	.72	1.06	7/8	F71160
1/2	1/2	C3359X8	.687	.531	.91	1.34	1-1/16	F76193
3/4	3/4	C3359X12	.906	.719	.97	1.38	1-5/16	F76682
1	1	C3359X16	1.125	.938	1.12	1.72	1-5/8	F73729



45° MALE ELBOW

Male Pipe Thread	Male Pipe Thread	D	N	N1	Across Flat	Part No.
1/8	1/8	.188	.67	.58	7/16	F77683
1/4	1/4	.281	.85	.86	9/16	F73676
3/8	3/8	.406	.95	.95	3/4	F73340
1/2	1/2	.531	1.18	1.18	7/8	F77872
3/4	3/4	.719	1.38	1.38	1-1/16	F755
1	1	.938	1.48	1.48	1-5/8	F73878



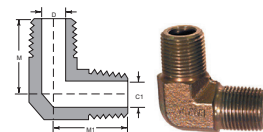
HEX SOCKET PLUG

Male Pipe Thread	Equivalent Eaton No.	Socket Hex	L	Part No.
1/16	C3169X1	5/32	.31	F74187
1/8	C3169X2	3/16	.31	F78192
1/4	C3169X4	1/4	.47	F76492



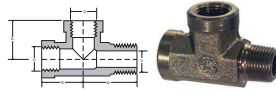
90° MALE ELBOW

Pipe Thread	Equivalent Eaton No.	D	D1	N1	M1	Across Flat	Part No.
1/8	C3529X2	.188	.188	.78	.78	7/16	F72497
1/4	C3529X4	.281	.281	1.09	1.09	9/16	F77067
3/8	C3529X6	.406	.406	1.22	1.22	3/4	F71498
1/2	C3529X8	.531	.531	1.47	1.47	7/8	F73417
3/4	C3529X12	.719	.719	1.59	1.59	1-1/16	F7680



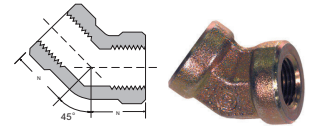
ADAPTERS — STEEL PIPE (continued)

MALE RUN TEE



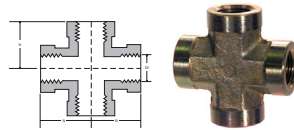
Male Pipe Thread	Fem. Pipe Thread	Equivalent Eaton No.	D	D1	M	N	Across Flats	Part No.
1/8	1/8	C3759X2	.332	.188	.78	.66	9/16	F7278
1/4	1/4	C3759X4	.437	.281	1.09	.88	3/4	F71350
3/8	3/8	C3759X6	.562	.406	1.22	1.02	7/8	F71238
1/2	1/2	C3759X8	.687	.531	1.47	1.23	1-1/16	F75563
1	1	C3759X16	1.125	.938	1.97	1.62	1-5/8	F74008

45° ELBOW



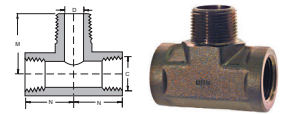
Female Pipe Thread	Equivalent Eaton No.	D	N	Across Flats	Part No.
3/8	C3559X6	.562	.750	7/8	F73348
3/4	C3559X12	.906	1.000	1-5/16	F77441
1	C3559X16	1.125	1.190	1-5/8	F72836

CROSS



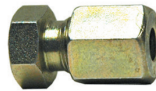
Female Pipe Thread	Equivalent Eaton No.	D	N	Across Flats	Part No.
1/2	C3959X8	.687	1.23	1-1/16	F78322
3/4	C3959X12	.906	1.36	1-5/16	F76106

MALE BRANCH TEE



Male Pipe Thread	Female Pipe Thread	Equivalent Eaton No.	D	D1	M	N	Across Flats	Part No.
1/8	1/8	C3609X2	.332	.188	.78	.66	9/16	F72488
1/4	1/4	C3609X4	.437	.281	1.09	.88	3/4	F74535
1	1	C3609X16	1.125	.938	1.97	1.62	1-5/8	F71192

METRIC ADAPTERS - DIN 24 PLUG (LIGHT)



Desc	Thread Size	Part No.
6MDL	M12x1.5	F7280
8MDL	M14x1.5	F77475
10MDL	M16x1.5	F74047
12MDL	M18x1.5	F73208
15MDL	M22x1.5	F73312
18MDL	M26x1.5	F71737
22MDL	M30x2.0	F74252
28MDL	M36x2.0	F76815
35MDL	M45x2.0	F7363

METRIC ADAPTERS - DIN 24 CAP (LIGHT)



Desc	Thread Size	Part No.
6FDL	M12x1.5	F77390
8FDL	M14x1.5	F7540
10FDL	M16x1.5	F72019
12FDL	M18x1.5	F77086
15FDL	M22x1.5	F74242
18FDL	M22x1.5	F77985
22FDL	M30x2.0	F72446
28FDL	M36x2.0	F76898
35FDL	M45x2.0	F75938
42FDL	M52x2.0	F72261

METRIC ADAPTERS - DIN 24 CAP (HEAVY)



Desc	Thread Size	Part No.
6MDH	M14x1.5	F72527
8MDH	M16x1.5	F7392
10MDH	M18x1.5	F71003
12MDH	M20x1.5	F7229
14MDH	M22x1.5	F71773
16MDH	M24x1.5	F73428
20MDH	M30x2.0	F77598
25MDH	M36x2.0	F76650
38MDH	M52x2.0	F75169

METRIC ADAPTERS - DIN 24 PLUG (HEAVY)



Desc	Thread Size	Part No.
8FDH	M16x1.5	F76056
10FDH	M18x1.5	F77025
12FDH	M20x1.5	F7971
14FDH	M22x1.5	F75066
16FDH	M24x1.5	F71308
20FDH	M30x2.0	F71341
25FDH	M36x2.0	F72496
30FDH	M42x2.0	F75722

ADAPTERS KOMATSU CAP



Desc	Thread Size	Part No.
4FK	M14x1.5	F72945
6FK	M18x1.5	F75898
8FK	M22x1.5	F76690
10FK	M24x1.5	F76769
12FK	M30x1.5	F77631
16FK	M33x1.5	F75925

ADAPTERS KOMATSU PLUG



Desc	Thread Size	Part No.
4MK	M14x1.5	F73888
6MK	M18x1.5	F7588
8MK	M22x1.5	F77679
10MK	M24x1.5	F7914
12MK	M30x1.5	F75835
16MK	M30x1.5	F7867

FLUID POWER

3 Steel, stainless & Malleable Fittings

FITTINGS — B-LOK TUBE

- **Flareless, Nut & 2 Ferrule Systems**
- **Typical Applications:** Instrumentation, hydraulic and pneumatic systems
- **Pressure:** Up to 10,000 PSI depending on tube size
- **Sealing Method:** The front ferrule provides the leak-proof seal, when nut and ferrules are properly drawn up to the specified number of turns. The rear ferrule grips the tubing, preventing pull-off

- **Temperature Rating:** -325°F to 1200°F
- **Material:** T316 Stainless Steel
- **Used With:** Stainless steel
- **Advantages:** Double-ferrule swaging action, fully interchangeable with Swagelok® and Parker-A-Lok®



MALE CONNECTOR



Tube O.D.	Pipe End NPT	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/8	1/8	200-1-2	2MSC2N	2DMC2	N2404-02-02-55	F71574
1/8	1/4	200-1-4	2MSC4N	2DMC4	N2404-01-04-55	F72625
3/16	1/8	300-1-2	3MSC2N	3DMC2	N2404-03-02-55	F71250
1/4	1/8	400-1-2	4MSC2N	4DMC2	N2404-04-02-55	F72143
1/4	1/4	400-1-4	4MSC4N	4DMC4	N2404-04-04-55	F72609
1/4	3/8	400-1-6	4MSC6N	4DMC6	N2404-04-06-55	F7400
1/4	1/2	400-1-8	4MSC8N	4DMC8	N2404-04-08-55	F74493
5/16	1/4	500-1-4	5MSC4N	5DMC4	N2404-05-04-55	F77806
3/8	1/8	600-1-2	6MSC2N	6DMC2	N2404-06-02-55	F73455
3/8	1/4	600-1-4	6MSC4N	6DMC4	N2404-06-04-55	F7945
3/8	3/8	600-1-6	6MSC6N	6DMC6	N2404-06-06-55	F74392
3/8	1/2	600-1-8	6MSC8N	6DMC4	N2404-06-08-55	F75693
1/2	1/8	810-1-2	8MSC4N	8DMC2	N2404-08-02-55	F77715
1/2	1/4	810-1-4	8MSC4N	8DMC4	N2404-08-04-55	F74896
1/2	1/2	810-1-8	8MSC8N	8DMC8	N2404-08-08-55	F74103
1/2	3/4	810-1-12	8MSC12N	8DMC12	N2404-08-12-55	F72755

MALE ELBOW



Tube O.D.	Pipe End NPT	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/4	1/8	400-2-2	4MSEL2N	4DME2	N2501-04-02-SS	F71056
1/4	1/4	400-2-4	4MSEL4N	4DME4	N2501-04-04-SS	F74999
1/4	3/8	400-2-6	4MSEL6N	4DME6	N2501-04-06-SS	F77487
3/8	1/8	600-2-2	6MSEL2N	6DME2	N2501-06-02-SS	F75691
3/8	1/4	600-2-4	6MSEL4N	6DME4	N2501-06-04-SS	F77846
3/8	3/8	600-2-6	6MSEL6N	6DME6	N2501-06-06-SS	F71031
3/8	1/2	600-2-8	6MSEL8N	6DME8	N2501-06-08-SS	F73705
1/2	1/4	810-2-4	8MSEL4N	8DME4	N2501-08-04-SS	F71209
1/2	3/8	810-2-6	8MSEL6N	8DME6	N2501-08-06-SS	F7446
1/2	1/2	810-2-8	8MSEL8N	8DME8	N2501-08-08-SS	F75736
1/2	3/4	810-2-12	8MSEL12N	8DME12	N2501-08-12-SS	F73936

UNION



Tube O.D.	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/8	200-6	2SC2	2DU2	N2403-02-02-55	F71066
1/4	400-6	4SC4	4DU4	N2403-04-04-55	F74670
3/8	600-6	6SC6	6DU6	N2403-06-06-55	F71550
1/2	810-6	8SC8	8DU8	N2403-08-08-55	F74019
5/8	1010-6	10SC10	10DU10	N2403-10-10-55	F73837
3/4	1210-6	12SC12	12DU12	N2403-12-12-55	F74938

MALE BRANCH TEE



Tube O.D.	Pipe End NPT	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/4	1/4	400-3-4TTM	4MBT4N	4DTTM4	N2601-04-04-04-SS	F77147
3/8	1/4	600-3-4TTM	6MBTL4N	6DTTM4	N2601-06-06-04-SS	F72220
3/8	3/8	600-3-6TTM	6MBT66N	6DTTM6	N2601-06-06-04-SS	F76186

UNION ELBOW



Tube O.D.	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/4	400-9	4EE4	4DELU4	N2500-04-04-SS	F72400
3/8	600-9	6EE6	6DELU6	N2500-06-06-SS	F77665
1/2	810-9	8EE8	8DELU8	N2500-08-08-SS	F76758

UNION CROSS



Tube O.D.	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/4	400-4	4ECR4	4DCR	N2650-04-04-04-SS	F74973
1/2	810-4	8ECR8	8DCR	N2650-08-08-08-SS	F77209

BULKHEAD UNION



Tube O.D.	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/4	400-61	4BC4	4DBHU4	N2700-LN-04-04-SS	F76274
3/8	600-61	6BC6	6DBHU6	N2700-LN-06-06-SS	F73047
1/2	810-61	8BC8	8DBHU8	N2700-LN-08-08-SS	F76770

UNION TEE



Tube O.D.	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/4	400-3	4ET4	4DTT4	N2603-04-04-04-SS	F7557
3/8	600-3	6ET6	6DTT4	N2603-06-06-04-SS	F77999
1/2	810-3	8ET8	8DTT8	N2603-10-10-08-SS	F73961

FITTINGS — B-LOK TUBE (continued)



REAR FERRULE

Tube O.D.	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Part No. Stainless
1/8	204-1	2BF2	DRC2	F73923
1/4	404-1	4FF4	DRC4	F7418
3/8	604-1	6BF6	DRC6	F72439
1/2	814-1	8BF8	DRC8	F76466



FRONT FERRULE

Tube O.D.	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Part No. Stainless
1/8	203-1	2FF2	DFC2	F76180
1/4	403-1	4FF4	DFC4	F73244
3/8	603-1	6FF6	DFC6	F73160
1/2	813-1	8FF8	DFC8	F72428



NUT

Tube O.D.	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/8	202-1	NUM2	DN2	N0318-02-SS	F7831
1/4	402-1	NUM4	DN4	N0318-04-SS	F73620
3/8	602-1	NUM6	DN6	N0318-06-SS	F7371
1/2	812-1	NUM8	DN8	N0318-08-SS	F7988
5/8	1012-1	NUM10	DN10	N0318-10-SS	F74473
3/4	1212-1	NUM12	DN12	N0318-12-SS	F72582



PLUG

Tube O.D.	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No.
1/4	400-P	4BLP4	4DFPLUG	N0304-04-SS	F73396
3/8	600-P	6BLP6	6DFPLUG	N0304-06-SS	F75820
1/2	810-P	8BLP8	8DFPLUG	N0304-08-SS	F7592



FEMALE ELBOW

Tube O.D.	Pipe End NPT	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/4	1/8	400-8-2	4FEL2N	4DFE2	N2502-04-08-SS	F72687
1/4	1/4	400-8-4	4FEL4N	4DFE4	N2502-04-04-SS	F75207
1/4	3/8	400-8-6	4FEL6N	4DFE6	N2502-04-06-SS	F76321
3/8	3/8	600-8-6	6FEL6N	6DFE6	N2502-06-06-SS	F77649
3/8	1/2	600-8-8	6FEL8N	6DFE8	N2502-06-08-SS	F72052
1/2	1/4	810-8-4	8FEL4N	8DFE4	N2502-08-04-SS	F71651
1/2	1/2	810-8-8	8FEL8N	8DFE8	N2502-08-08-SS	F72876



FEMALE CONNECTOR

Tube O.D.	Pipe End NPT	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/4	1/8	400-7-2	4FSC2N	4DFC2	N2405-04-02-SS	F72659
1/4	1/4	400-7-4	4FSC4N	4DFC4	N2405-04-04-SS	F76290
1/4	3/8	400-7-6	4FSC6N	4DFC6	N2405-04-06-SS	F74742
1/4	1/2	400-7-8	4FSC8N	4DFC8	N2405-04-08-SS	F77962
3/8	3/8	600-7-6	6FSC6N	6DFC6	N2405-06-06-SS	F72493
1/2	1/4	810-7-4	8FSC4N	8DFC4	N2405-08-04-SS	F72307
1/2	3/8	810-7-6	8FSC6N	8DFC6	N2405-08-06-SS	F73156



FEMALE BRANCH TEE

Tube O.D.	Pipe End NPT	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No. Stainless
1/4	1/8	400-3TTF	4FBT2N	4DTTF2	N2602-04-02-SS	F77619
1/4	1/4	400-3-4TTF	4FBT4N	4DTTF4	N2602-04-04-SS	F77590
3/8	1/4	600-3TTF	6FBT4N	6DTTF4	N2602-06-04-SS	F78136



BULKHEAD MALE CONNECTOR

Tube O.D.	Pipe End NPT	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No.
1/4	1/8	400-11-2	4MBC2N	4DBHMP2	N2706-LN-04-02-SS	F71256
1/4	1/4	400-11-4	4MBC4N	4DBHMP4	N2706-LN-04-04-SS	F75888
3/8	1/4	600-11-4	6MBC4N	6DBHMP4	N2706-LN-06-04-SS	F78326

FLUID POWER

3 Steel, stainless & Malleable Fittings

FITTINGS — B-LOK TUBE (continued)

REDUCTION UNION



Tube (1) O.D.	Tube (2) O.D.	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No.
3/8	1/4	600-6-4	6RU4	6DRU4	N2403-06-04-SS	F7937
1/2	1/4	810-6-4	8RU4	8DRU4	N2403-08-04-SS	F76859
1/2	3/8	810-6-6	8RU6	8DRU6	N2403-08-06-SS	F7965

CAP



Tube O.D.	Equivalent Swagelok Part No.	Equivalent Parker A-Lok Part No.	Equivalent CBC-Lok Part No.	Equivalent B-Lok Part No.	Part No.
1/4	400-C	4BLEN4	4DCAP	N2408-04-SS	F75581
3/8	600-C	6BLEN6	6DCAP	N2408-06-SS	F76000
1/2	810-C	8BLEN8	8DCAP	N2408-08-SS	F71402

FITTINGS — STAINLESS STEEL PUSH-TO-CONNECT

- **Typical Applications:** Chemical Industry, Food Industry, Packaging Industry, and Medical Sector.
- **Working Pressure:** 290 PSI Max.
- **Working Temperature:** 5° to 230° F.
- **Compatible Fluids:** All fluids compatible with fitting and tubing material.
- **Material of Construction:**
 - Body - Stainless Steel AISI316
 - Backup Washer - Stainless Steel 304L
 - Collett - Stainless Steel 303L
 - "O" Ring - Viton
- Used With: Nylon, Polyurethane, Polyethylene, Teflon, Stainless Steel, and Copper Tube.
- Advantages: Easy to assemble one piece fitting. Excellent resistance to aggressive environments and fluids.

MALE CONNECTOR



Tube Size	Pipe Size	Legris Part No.	Part No.
1/4	1/8	38055611	F74415
1/4	1/4	38055614	F74204
3/8	1/4	38056014	F71770
3/8	3/8	38056018	F71463



MALE ELBOW

Tube Size	Pipe Size	Legris Part No.	Part No.
1/4	1/8	38895611	F72451
1/4	1/4	38895614	F77629
3/8	3/8	38896018	F73523



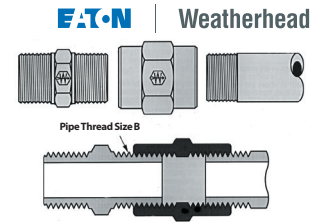
UNION

Tube Size	Legris Part No.	Part No.
3/16	38065500	F76175
1/4	38065600	F76246
5/16	38060800	F77735
3/8	38066000	F7699



PIPE FITTINGS — STEEL

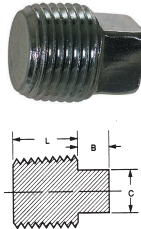
- **Typical Application:** Grease, instrumentation and most hydraulic systems.
- **Pressure:** Operating pressure up to 3000 psi depending on pipe size.
- **Vibration:** Fair resistance.
- **Temperature Range:** -65°F to +400°F.
- **Material:** Carbon Steel AISI/SAE 12L14, plating zinc, yellow dichromate finish.
- **Used With:** Brass, bronze and iron pipe.
- **Advantages:** Dryseal pipe threads (NPTF), zinc plate, compact size. Broad range of sizes and styles.
- **Conformance:** Meets SAE specifications.



Pipe Size	1/16	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Thread Size-B	1/16-27	1/8-27	1/4-18	3/8-18	1/2-14	3/4-14	1-11 1/2	1 1/4- 11 1/2	1 1/2- 11 1/2	2-11 1/2

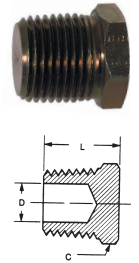
SQUARE HEAD PLUG

Male Pipe Thread	Equivalent Eaton No.	B	C	L	Part No.
1/8	C3179X2	.25	9/32	.34	F71695
1/4	C3179X4	.25	3/8	.51	F7898
3/8	C3179X6	.32	7/16	.51	F753
1/2	C3179X8	.40	9/16	.68	F74814
3/4	C3179X12	.46	5/8	.69	F72974
1	C3179X16	.52	13/16	.85	F7227



HEX HEAD PLUG

Male Pipe Thread	Equivalent Eaton No.	Hex C	L	D Opt. Dia.	Part No.
1/8	C3159X2	7/16	.56	.156	F76359
1/4	C3159X4	9/16	.66	.250	F71939
3/8	C3159X6	11/16	.78	.375	F78145
1/2	C3159X8	7/8	.98	.500	F75595
3/4	C3159X12	1-1/8	1.06	.687	F7876
1	C3159X16	1-3/8	1.25	.875	F77037
1-1/4	C3159X20	1-3/4	1.47		F7117



BULKHEAD COUPLING FEMALE PIPE

Female Pipe Thread	Thread Size B	Hex C	Hex C1	D	I	L	Equivalent Eaton No.	Part No.
1/4	3/4-16	1	15/16	.422	1.25	1.50	W05465	F76048
3/8	1-14	1-1/8	1-3/8	.563	1.06	1.31	W17709	F76656



PIPE FITTINGS — STEEL BLACK

Applications

- **Working pressure:** 300
- **Conform to following specifications:** ASTM A-126, ASME B1.20.1, ASME B16.4
- **Made in USA**

CAPS

Size	Part No.
1/8	F7314
1/4	F76472
3/8	F76733
1/2	F73482
3/4	F73035
1	F72774



SQUARE HEAD PLUGS

Size	Part No.
1/8	F77602
1/4	F77263
3/8	F72449
1/2	F75814
3/4	F7359
1	F74382



HEX SOCKET PLUGS

Size	Part No.
1/8	F76578
1/4	F77061
3/8	F73462
1/2	F78074
3/4	F73026
1	F7317



HEX BUSHINGS

Size	Part No.
1/4 x 1/8	F73689
3/8 x 1/8	F72760
3/8 x 1/4	F71447
1/2 x 1/8	F71867
1/2 x 1/4	F73668
1/2 x 3/8	F73012
3/4 x 1/8	F76895
3/4 x 1/4	F75815

Size	Part No.
3/4 x 3/8	F75283
3/4 x 1/2	F76369
1 x 1/4	F71590
1 x 3/8	F73603
1 x 1/2	F75163
1 x 3/4	F77285



PIPE FITTINGS — FORGED STEEL BLACK

- **Typical Applications:** Instrumentation and most hydraulic systems
- **Pressure:** Operating pressure up to 3000 psi (6000 psi for bushings and plugs)
- Industrial standardized thread forms are assured through rigid adherence to ANSI/ASME B1.20.1 standards
- Material specification - ASTM A-105, ASME SA-105

HEX BUSHINGS

Size	Part No.
1/4 x 1/8	F72907
3/8 x 1/8	F71114
3/8 x 1/4	F73459
1/2 x 1/8	F78199
1/2 x 1/4	F71312
1/2 x 3/8	F73389
3/4 x 1/4	F76582
3/4 x 3/8	F71857
3/4 x 1/2	F7839

Size	Part No.
1 x 1/4	F73443
1 x 3/8	F72987
1 x 1/2	F75046
1 x 3/4	F77877
1-1/4 x 1/4	F72702
1-1/4 x 1/2	F7230
1-1/4 x 3/4	F75161
1-1/4 x 1	F76812
1-1/2 x 1/2	F71414

Size	Part No.
1-1/2 x 3/4	F76257
1-1/2 x 1	F76616
1-1/2 x 1-1/4	F71946
2 x 1/2	F7584
2 x 3/4	F75750
2 x 1	F76465
2 x 1-1/4	F74716
2 x 1-1/2	F74889



FLUID POWER

3 Steel, stainless & Malleable Fittings

PIPE FITTINGS — FORGED STEEL BLACK (continued)

STREET ELBOWS

Size	Part No.
1/8	F78003
1/2	F73002
3/4	F71282
1-1/2	F77473



COUPLINGS

Size	Part No.
1/8	F77461
1/4	F77911
3/8	F76348
1/2	F71451
3/4	F72654
1	F78235
1-1/4	F76843
1-1/2	F77702
2	F72185



SQUARE HEAD PLUGS

Size	Part No.
1/8	F75180
1/4	F76412
3/8	F76553
1/2	F72356
3/4	F73606
1	F75384
1-1/4	F73247
1-1/2	F77107
2	F78047



TEE

Size	Part No.
1/8	F76929
1/4	F77837
3/8	F72655
1/2	F73951
3/4	F71030
1	F7932
1-1/4	F77383
1-1/2	F75193
2	F77941



90° ELBOWS

Size	Part No.
1/4	F72204
3/8	F71313
1/2	F7157
3/4	F73167
1	F72148
1-1/4	F7954
1-1/2	F73681
2	F73081



UNIONS

Size	Part No.
1/4	F72617
3/8	F72166
1/2	F71195
3/4	F75682
1	F78231
1-1/4	F75424
1-1/2	F71426
2	F74274



45° ELBOWS

Size	Part No.
1/8	F7514
1/4	F74282
3/8	F71222
1/2	F74978
1-1/2	F76853
2	F72739



CAPS

Size	Part No.
1/8	F74211
1/4	F72839
3/8	F75173
1/2	F74873
3/4	F74702
1	F78095
1-1/4	F74105



HEX PLUGS

Size	Part No.
1/8	F75516
1/4	F76905
3/8	F74295
1/2	F76305
3/4	F72119
1	F72634
1-1/4	F73881
2	F78205



REDUCING COUPLINGS

Size	Part No.
1/2x3/8	F76151



7

PIPE FITTINGS — FORGED STEEL SOCKET WELD 3000#



- **Pressure:** Operating pressure up to 3000 psi
- **Material specification:** ASTM A-105

45° ELBOWS

Size	Part No.
3/4	F77322



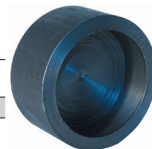
TEES

Size	Part No.
1/4	F74279
1	F7995



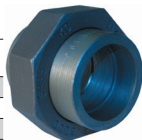
CAPS

Size	Part No.
1-1/4	F75647



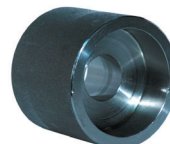
UNIONS

Size	Part No.
1-1/4	F72476
1-1/2	F74867
2	F72485



REDUCING COUPLINGS

Size	Part No.
1/2x3/8	F75391
1/2x1/4	F73514



PIPE FITTINGS — FORGED STEEL SOCKET WELD 6000#

- **Typical Application:** Instrumentation and most hydraulic systems.
- **Pressure:** Operating pressure up to 6000 psi.
- **Finish:** Black.
- **Material Specification:** ASTM A105.

COUPLINGS

Size	Part No.
1/2	F73295
3/4	F74711
1-1/4	F7294
1-1/2	F75103
2	F74957



FITTINGS — GALVANIZED STEEL

COUPLINGS (HOSE MENDERS)

Size	Part No.
1/2	F7479
3/4	F71998
1	F71667
1-1/4	F73413
1-1/2	F77186
2	F72897



CAUTION: Not to be used with propane

KING COMBINATION NIPPLES (ADAPTERS)

Hose Size	MNPT Size	Part No.
1/2	1/2	F73576
3/4	3/4	F72350
1	1	F72194
1-1/4	1	F7743
1-1/4	1-1/4	F74196
1-1/2	1-1/2	F73431
2	2	F76323
3	3	F73058



PIPE FITTINGS — MALLEABLE IRON 150 PSI SCHEDULE 40

- **Applications**
- Water lines on concrete trucks, hookup shop air systems from compressor, steam lines, propane hookups.
- **Working pressure:** up to 150 p.s.i. steam. Dimensions conform to Federal specifications WWP521. Conforms to American national standards ASNB16.3.

GROUND JOINT UNIONS

Size	Black Part No.	Galvanized Part No.
1/8	F71800	F7730
1/4	F71412	F72997
3/8	F75232	F76286
1/2	F73183	F76258
3/4	F73531	F73734
1	F72290	F74212
1-1/4	F76449	F77587
1-1/2	F74053	F77969
2	F71559	F73134
3	F75746	



COUPLINGS

Size	Black Part No.	Galvanized Part No.
1/8	F71157	F7220
1/4	F77720	F71979
3/8	F72020	F77260
1/2	F76841	F71010
3/4	F75343	F77011
1	F77095	F73427
1-1/4	F73135	F75276
1-1/2	F7669	F7397
2	F76111	F72367
2-1/2		F72851



FLUID POWER

3 Steel, stainless & Malleable Fittings

PIPE FITTINGS — MALLEABLE IRON 150 PSI SCHEDULE 40 (continued)



HEX BUSHINGS

Size	Black Part No.	Galvanized Part No.
3/8 x 1/8	F73526	F77228
3/8 x 1/4	F76894	F77645
1/2 x 1/8	F76891	F77947
1/2 x 1/4	F76832	F76240
3/4 x 1/8	F75956	
3/4 x 1/4	F72989	F74533
3/4 x 3/8	F71372	F7179
3/4 x 1/2	F7116	F762
1 x 1/8	F77987	
1 x 1/4	F73558	F71853
1 x 3/8	F77397	F76309
1 x 1/2	F73365	F7455
1 x 3/4	F7597	F7142
1-1/4 x 1/4	F76475	
1-1/4 x 3/8	F74131	
1-1/4 x 1/2	F76675	F7481
1-1/4 x 3/4	F75824	F74831
1-1/4 x 1	F7568	F75294
1-1/2 x 1/2	F77179	
1-1/2 x 3/4	F76055	F76062
1-1/2 x 1	F76899	F72679
1-1/2 x 1-1/4	F77820	F74377
2 x 3/4	F72481	
2 x 1	F72404	F7615
2 x 1-1/4	F78245	F76269
2 x 1-1/2	F77565	F7644
3 x 2	F74890	



MERCHANTS COUPLINGS

Size	Black Part No.	Galvanized Part No.
1/8	F7570	F73335
1/4	F7188	F76423
3/8	F7534	F752
1/2	F75756	F71742
3/4	F7154	F77743
1	F77832	F71725
1-1/4	F77472	F77741
1-1/2	F78269	F7806
2	F78329	F76623



SQUARE HEAD PIPE PLUGS 1/2" & SMALLER - SOLID 3/4" & LARGE - CORED

Size	Black Part No.	Galvanized Part No.
1/8	F72408	F72442
1/4	F76318	F73958
3/8	F76612	F7777
1/2	F76840	F72936
3/4	F71410	F7835
1	F76668	F73678
1-1/4	F71510	F71625
1-1/2	F75979	F71763
2	F73334	F76164
3	F72665	F76804



CAPS

Size	Black Part No.	Galvanized Part No.
1/8	F7691	F7436
1/4	F75540	F74665
3/8	F76625	F71957
1/2	F72288	F74082
3/4	F73256	F73435
1	F77757	F71089
1-1/4	F73357	F74591
1-1/2	F77771	F76275
2	F73884	F74339
3	F71319	



COUNTER SUNK HEX PLUGS

Size	Black Part No.	Galvanized Part No.
1/8	F7325	F72432
1/4	F74348	F71548
3/8	F74386	F77616
1/2	F74827	F77931
3/4	F73718	F74830
1	F78038	F77996
1-1/4	F7373	



90° STREET ELBOWS

Size	Black Part No.	Galvanized Part No.
1/8	F74263	F75031
1/4	F78290	F71745
3/8	F78092	F7825
1/2	F74341	F74284
3/4	F73008	F7196
1	F76077	F73302
1-1/4	F770	F71684
1-1/2	F7579	F77493
2	F72630	F78249
3	F72747	



90° ELBOWS

Size	Black Part No.	Galvanized Part No.
1/8	F75808	F71504
1/4	F72262	F71891
3/8	F74298	F77841
1/2	F73331	F72487
3/4	F76835	F77725
1	F74465	F73441
1-1/4	F74572	F76006
1-1/2	F77307	F72558
2	F76752	F71218
2-1/2		F7226
3	F77078	



45° ELBOWS

Size	Black Part No.	Galvanized Part No.
1/8	F71270	F7388
1/4	F72206	F72031
3/8	F78328	F7821
1/2	F73997	F74224
3/4	F76687	F76810
1	F72480	F71822
1-1/4	F7785	F78132
1-1/2	F71417	F77074
2	F77774	F74676
2-1/2		F78042



45° STREET ELBOWS

Size	Black Part No.	Galvanized Part No.
1/8	F72441	
1/4	F77276	F74456
3/8	F72083	F72519
1/2	F71327	F77972
3/4	F7545	F75592
1	F71038	F72047
1-1/4	F77765	
1-1/2	F73313	
2	F76791	



STRAIGHT TEES

Size	Black Part No.	Galvanized Part No.
1/8	F72663	F74638
1/4	F73116	F72406
3/8	F75842	F74433
1/2	F72703	F77388
3/4	F71118	F73908
1	F72208	F71105
1-1/4	F77696	F77471
1-1/2	F73476	F73905
2	F74707	F75453
2-1/2		F71154



FLOOR FLANGES

Size	Black Part No.	Galvanized Part No.
1/2		F73901
3/4	F73751	
1	F77528	
1-1/2		F72196
2	F71729	

PIPE FITTINGS — MALLEABLE IRON 150 PSI SCHEDULE 40 (continued)



REDUCING COUPLINGS

Size	Black Part No.	Galvanized Part No.
1/4 x 1/8	F72726	F76163
3/8 x 1/8	F71101	F71178
3/8 x 1/4	F7648	F75552
1/2 x 1/8	F71784	F7654
1/2 x 1/4	F75949	F75897
1/2 x 3/8	F71490	F74777
3/4 x 1/4	F73137	F77017
3/4 x 3/8	F72116	F7998
3/4 x 1/2	F7726	F72414
1 x 1/4	F76424	
1 x 3/8	F78142	F77844
1 x 1/2	F76900	F74061
1 x 3/4	F77627	F76451
1-1/4 x 3/4	F78148	F71934
1-1/4 x 1	F76328	F7809
1-1/2 x 3/4	F71931	
1-1/2 x 1	F75667	F76386
1-1/2 x 1-1/4	F76872	F73582
2 x 1/2	F77533	
2 x 1	F73454	F73760
2 x 1-1/4	F73478	
2 x 1-1/2	F72505	F77822



HEX BUSHINGS

Size	Part No.
3/8 x 1/8	F73526
3/8 x 1/4	F76894
1/2 x 1/8	F76891
1/2 x 1/4	F76832
3/4 x 1/8	F75956
3/4 x 1/4	F72989
3/4 x 3/8	F71372
1 x 1/8	F77987
1 x 1/4	F73558
1 x 3/8	F77397
1 x 1/2	F73365
1 x 3/4	F7597
1-1/4 x 1/4	F76475
1-1/4 x 3/8	F74131
1-1/4 x 1/2	F76675
1-1/4 x 3/4	F75824
1-1/4 x 1	F7568
1-1/2 x 3/4	F76055
1-1/2 x 1	F76899
1-1/2 x 1-1/4	F77820
2 x 1-1/2	F77565



CROSSES

Size	Black Part No.	Galvanized Part No.
1/4	F75451	
3/8	F77750	
1/2	F76116	F74654
3/4	F74956	F75775
1	F72866	
1-1/2	F76723	
2	F77954	F7322

FLUID POWER

3 Steel, stainless & Malleable Fittings

PIPE FITTINGS — MALLEABLE IRON 150 PSI SCHEDULE 40 (continued)

NIPPLES - STEEL WELDED (SCH. 40)

These fittings meet ASTM A120 specifications.

Size	Black Part No.	Galvanized Part No.
1/8 x close	F75608	F73879
1/8 x 1-1/2	F77374	F71029
1/8 x 2	F78055	F73536
1/8 x 2-1/2	F71305	F72628
1/8 x 3	F74832	F76787
1/8 x 3-1/2	F75297	F75591
1/8 x 4	F71099	F72969
1/8 x 4-1/2	F73930	
1/8 x 5	F72556	F73294
1/8 x 5-1/2	F71314	F73910
1/8 x 6	F72764	F74334
1/8 x 7	F7609	
1/8 x 10	F7443	
1/8 x 12	F77082	
1/4 x close	F73735	F75972
1/4 x 1-1/2	F76642	F77016
1/4 x 2	F73942	F77646
1/4 x 2-1/2	F75856	F74145
1/4 x 3	F76457	F75472
1/4 x 3-1/2	F74905	F7478
1/4 x 4	F76679	F77874
1/4 x 4-1/2	F74251	F7495
1/4 x 5	F77885	F77490
1/4 x 5-1/2	F71068	
1/4 x 6	F74255	F74700
1/4 x 7	F71393	
1/4 x 8	F72911	
1/4 x 9	F7881	
1/4 x 10	F7206	
1/4 x 12	F77878	
3/8 x close	F76652	F74649
3/8 x 1-1/2	F77867	F75376
3/8 x 2	F71440	F75450
3/8 x 2-1/2	F7788	F76082
3/8 x 3	F76468	F75264
3/8 x 3-1/2	F72566	F73147
3/8 x 4	F76007	F73818
3/8 x 4-1/2	F73324	F7217
3/8 x 5	F76228	F76588
3/8 x 5-1/2	F7790	F72316
3/8 x 6	F7639	F7164
3/8 x 8	F78240	
3/8 x 9		F77745
3/8 x 10	F72048	
3/8 x 12	F76831	
1/2 x close	F7642	F74824
1/2 x 1-1/2	F72169	F72885
1/2 x 2	F77864	F72903
1/2 x 2-1/2	F71910	F77208
1/2 x 3	F74025	F7562
1/2 x 3-1/2	F74107	F75840
1/2 x 4	F76542	F72847
1/2 x 4-1/2	F74935	F77502
1/2 x 5	F74755	F75379
1/2 x 5-1/2	F72857	F76381
1/2 x 6	F75141	F72320
1/2 x 7	F71020	
1/2 x 8	F72697	
1/2 x 9	F7804	
1/2 x 10	F74123	
1/2 x 12	F71618	F76816
3/4 x close	F75816	F72302
3/4 x 1-1/2	F75632	F74186
3/4 x 2	F74285	F76539
3/4 x 2-1/2	F73394	F74585
3/4 x 3	F71423	F73186
3/4 x 3-1/2	F77516	F75078
3/4 x 4	F71332	F71753
3/4 x 4-1/2	F77299	F73975
3/4 x 5	F73528	F71731



Size	Black Part No.	Galvanized Part No.
3/4 x 5-1/2	F74534	F77324
3/4 x 6	F75480	F77365
3/4 x 7	F75428	
3/4 x 8	F72211	
3/4 x 9	F72742	
3/4 x 10	F76254	
3/4 x 11	F77585	
3/4 x 12	F74154	
1 x close	F73631	F72415
1 x 2	F75013	F71501
1 x 2-1/2	F7228	F7257
1 x 3	F72602	F7517
1 x 3-1/2	F73154	F71670
1 x 4	F75061	F7574
1 x 4-1/2	F71748	F75731
1 x 5	F75023	F75151
1 x 5-1/2	F76204	F71808
1 x 6	F7331	F75968
1 x 7	F73673	
1 x 8	F7502	
1 x 10	F73876	
1 x 11	F72371	
1 x 12	F78087	F76644
1-1/4 x close	F77512	F73075
1-1/4 x 2	F7216	F75317
1-1/4 x 2-1/2	F77909	F71199
1-1/4 x 3	F72532	F77293
1-1/4 x 3-1/2	F74868	F74818
1-1/4 x 4	F74106	F75223
1-1/4 x 4-1/2	F74439	
1-1/4 x 5	F766	F74516
1-1/4 x 5-1/2	F71566	F73130
1-1/4 x 6	F76511	F72219
1-1/4 x 10	F74086	
1-1/4 x 11	F72905	
1-1/4 x 12	F75005	
1-1/2 x close	F72233	F77198
1-1/2 x 2	F74539	F7869
1-1/2 x 2-1/2	F73817	F75652
1-1/2 x 3	F77583	F71062
1-1/2 x 3-1/2	F7631	F72995
1-1/2 x 4	F73533	F76811
1-1/2 x 4-1/2	F77544	F74581
1-1/2 x 5	F73771	F75586
1-1/2 x 5-1/2	F75153	F74646
1-1/2 x 6	F76887	F7269
1-1/2 x 7	F73278	F77789
1-1/2 x 8	F74953	
1-1/2 x 9	F72099	
1-1/2 x 10	F77552	
1-1/2 x 12	F75504	
2 x close	F77320	F74485
2 x 2-1/2	F74256	F76349
2 x 3	F74920	F76171
2 x 3-1/2	F72038	F75011
2 x 4	F7666	F7139
2 x 4-1/2	F75378	F73799
2 x 5	F72873	F78171
2 x 5-1/2	F7249	F73788
2 x 6	F72622	F75263
2 x 8	F71723	F76762
2 x 10	F73765	F76083
2-1/2 x close		F75626
2-1/2 x 3		F77462
2-1/2 x 5		F73996
2-1/2 x 6		F76856
3 x close	F7539	F7986
3 x 3		F74594
3 x 5		F7484
3 x 6	F71387	F75852

PIPE FITTINGS — MALLEABLE IRON 300 PSI SCHEDULE 80

Applications:

- Pressure rating 300 PSI, steam @550° F
- Liquid & gas at 150° F
- 1/4-1 NPS: 2000 PSI
- 1-1/4-2 NPS: 1500 PSI
- 2-1/4-4 NPS: 1000 PSI

- 300 PSI fittings (extra heavy) fittings conform to ASME B16.3
- Comply with AAR 1994 Standards & practices.
- Sometimes referred to as "Schedule 80" fittings



90° ELBOWS

Size	Part No.
1/4	F78018
3/8	F77958
1/2	F7103
3/4	F77660
1	F76308
1-1/4	F76882
1-1/2	F74658
2	F7482



45° ELBOWS

Size	Part No.
1	F7911
2	F72584



90° STREET ELBOWS

Size	Part No.
1/4	F7697
3/8	F74610
3/4	F74820
1	F73378
1-1/4	F72830



TEES

Size	Part No.
1/4	F7715
3/4	F75349
1	F77788
1-1/4	F74682
1-1/2	F72326
2	F76846



COUPLING

Size	Part No.
3/8	F74489
3/4	F75416



CAPS

Size	Part No.
1/2	F73775
3/4	F75881
1-1/4	F77685
1-1/2	F77309
2	F78083



COUNTER SUNK HEX PLUGS

Size	Part No.
1/8	F7325
1/4	F74348
3/8	F74386
1/2	F74827
3/4	F73718
1	F78038
1-1/4	F7373

Also for use with 150 PSI Fittings



REDUCING COUPLING

Size	Part No.
1-1/2 x 3/4	F72026
2 x 1-1/2	F71279
2 x 1	F7856
2 x 3/4	F72629



GROUND JOINT UNIONS

Size	Part No.
1/4	F71708
3/4	F77156
1	F74848
1-1/2	F73141

Also for use with 150 PSI Fittings



SQUARE HEAD PLUGS

Size	Part No.
1/8	F72408
1/4	F76318
3/8	F76612
1/2	F76840
3/4	F71410
1	F76668
1-1/4	F71510
1-1/2	F75979
2	F73334

Also for use with 150 PSI Fittings 1/2" & smaller - solid 3/4" & large - cored

PIPE NIPPLES — WELDED 300 PSI SCHEDULE 80

NIPPLES - STEEL WELDED (SCH. 80) BLACK These fittings meet ASTM A120 specifications.

Size	Part No.
1/8 close	F72649
1/8 x 1-1/2	F73055
1/8 x 2	F78114
1/8 x 2-1/2	F71933
1/8 x 3	F7248
1/8 x 3-1/2	F76372
1/8 x 4	F72277
1/8 x 5	F73022
1/4 close	F72946
1/4 x 1-1/2	F76532
1/4 x 2	F77693
1/4 x 2-1/2	F75614
1/4 x 3	F75703
1/4 x 4	F73524
1/4 x 5	F78182
1/4 x 6	F73132
3/8 close	F76270
3/8 x 1-1/2	F74964
3/8 x 2	F77079
3/8 x 2-1/2	F7957
3/8 x 3	F7923
3/8 x 3-1/2	F76042
3/8 x 4	F74524
3/8 x 5	F78071
3/8 x 6	F71936
1/2 close	F72227
1/2 x 2	F772

Size	Part No.
1/2 x 2-1/2	F74908
1/2 x 3	F7245
1/2 x 3-1/2	F72352
1/2 x 4	F77113
1/2 x 4-1/2	F71661
1/2 x 5	F78187
1/2 x 5-1/2	F74602
1/2 x 6	F74200
3/4 close	F77826
3/4 x 1-1/2	F71015
3/4 x 2	F72126
3/4 x 2-1/2	F75692
3/4 x 3	F74756
3/4 x 3-1/2	F7231
3/4 x 4	F77982
3/4 x 4-1/2	F73911
3/4 x 5	F72526
3/4 x 6	F72268
1 close	F73596
1 x 2	F75411
1 x 2-1/2	F78191
1 x 3	F78257
1 x 3-1/2	F73236
1 x 4	F73422
1 x 4-1/2	F76296
1 x 6	F76507
1-1/4 close	F75290

Size	Part No.
1-1/4 x 2	F77652
1-1/4 x 2-1/2	F71617
1-1/4 x 3-1/2	F75510
1-1/4 x 6	F7515
1-1/2 close	F74354
1-1/2 x 2	F75458
1-1/2 x 2-1/2	F75564
1-1/2 x 3	F77424
1-1/2 x 3-1/2	F7753
1-1/2 x 4	F71007
1-1/2 x 4-1/2	F77480
1-1/2 x 5-1/2	F75033
1-1/2 x 6	F73529
2 close	F75909
2 x 2-1/2	F7200
2 x 3	F75658
2 x 3-1/2	F76342
2 x 4	F78336
2 x 4-1/2	F7127
2 x 5	F77901
2 x 6	F76842
2 x 12	F74586



FLUID POWER

3 Steel, stainless & Malleable Fittings

PIPE FITTINGS — MALLEABLE IRON 150 PSI SCHEDULE 40

Applications

- Water lines on concrete trucks, hookup shop air systems from compressor, steam lines, propane hookups.
- **Working pressure:** up to 150 p.s.i. steam. Dimensions conform to Federal specifications WWP521. Conforms to American national standards ASNIB16.3.
- Made in USA



GROUND JOINT UNIONS



Size	Black Part No.	Galvanized Part No.
1/8	F73363	F76546
1/4	F75640	F72478
3/8	F77146	F74052
1/2	F78068	F74954
3/4	F7210	F72093
1	F72061	F73038
1-1/4	F7723	F73355
1-1/2	F75520	F72865
2	F75845	F77632
2-1/2	F75426	
3	F74589	

COUPLINGS



Size	Black Part No.	Galvanized Part No.
1/8	F74483	F76373
1/4	F7810	F73131
3/8	F77139	F74918
1/2	F75910	F75797
3/4	F75047	F78332
1	F7733	F78131
1-1/4	F77444	F75768
1-1/2	F72474	F7893
2	F76670	F72108
2-1/2	F76336	
3	F76339	
4	F72935	

CAPS



Size	Black Part No.	Galvanized Part No.
1/8	F7197	F73921
1/4	F72021	F78150
3/8	F77256	F74691
1/2	F73611	F76245
3/4	F78101	F72932
1	F72467	F77797
1-1/4	F7367	F7801
1-1/2	F77577	F7326
2	F77991	F76527
2-1/2	F74605	
3	F73276	

COUNTER SUNK PLUGS



Size	Black Part No.
1/8*	F73484
1/4*	F73369
3/8*	F71870
1/2	F71816
3/4	F7141
1	F72892
1-1/4	F78279
1-1/2	F78221
2	F74323

*Steel with Hex Drive
Also for use with 300 PSI Fittings

HEX BUSHINGS



Size	Black Part No.	Galvanized Part No.
1/4 x 1/8	F72420	F71266
3/8 x 1/8	F71819	F72486
3/8 x 1/4	F72085	F72547
1/2 x 1/8	F7754	F7296
1/2 x 1/4	F71502	F74275
1/2 x 3/8	F72615	F75346
3/4 x 1/8	F74519	F71751
3/4 x 1/4	F71665	F71117
3/4 x 3/8	F75059	F72492
3/4 x 1/2	F77448	F73187
1 x 1/8	F75075	F75072
1 x 1/4	F77503	F77573
1 x 3/8	F77429	F77379
1 x 1/2	F74217	F71193
1 x 3/4	F74960	F76229
1-1/4 x 1/4	F75122	F7685
1-1/4 x 3/8	F71318	F74618
1-1/4 x 1/2	F71546	F74609
1-1/4 x 3/4	F73810	F75907
1-1/4 x 1	F76855	F74102
1-1/2 x 1/2	F76954	F73822
1-1/2 x 3/4	F72805	F77968
1-1/2 x 1	F71552	F77549
1-1/2 x 1-1/4	F74669	F76133
2 x 1/2	F75404	F74902
2 x 3/4	F75799	F73347
2 x 1	F75778	F74856
2 x 1-1/4	F71479	F77507
2 x 1-1/2	F76604	F7727
2-1/2 x 2	F7491	F78046
3 x 2	F73904	
3 x 2-1/2	F71743	

90° ELBOWS



Size	Black Part No.	Galvanized Part No.
1/8	F71377	F75873
1/4	F74838	F71219
3/8	F75650	F74130
1/2	F75211	F74992
3/4	F77496	F72948
1	F7984	F75345
1-1/4	F77187	F76160
1-1/2	F75589	F74544
2	F75111	F7439
2-1/2	F77170	
3	F75018	
4	F7519	

45° ELBOWS



Size	Black Part No.	Galvanized Part No.
1/8	F73827	F74411
1/4	F76943	F73221
3/8	F71556	F73119
1/2	F76837	F73122
3/4	F77131	F73712
1	F77270	F76150
1-1/4	F74924	F74310
1-1/2	F73456	F75194
2	F72954	F76988
3	F73046	

SQUARE HEAD PIPE PLUGS 1/2" & SMALLER - SOLID 3/4" & LARGE - CORED



Size	Black Part No.	Galvanized Part No.
1/8	F7950	F73281
1/4	F7129	F75686
3/8	F7305	F7935
1/2	F7414	F761
3/4	F72101	F74018
1	F78204	F76209
1-1/4	F77739	F77974
1-1/2	F76090	F75337
2	F75036	F74331
2-1/2	F71253	
3	F77389	

Also for use with 300 PSI Fittings

90° STREET ELBOWS



Size	Black Part No.	Galvanized Part No.
1/8	F72537	F7678
1/4	F76320	F7827
3/8	F75616	F74340
1/2	F76683	F75311
3/4	F77593	F74626
1	F73311	F75368
1-1/4	F75763	F76992
1-1/2	F78140	F75578
2	F77284	F7204

45° STREET ELBOWS



Size	Black Part No.	Galvanized Part No.
1/8	F7652	F77517
1/4	F77520	F7757
3/8	F75657	F77753
1/2	F73612	F74734
3/4	F75421	F78285
1	F73261	F71977
1-1/4	F7823	F77656
1-1/2	F75653	F71204
2	F78299	F72643

STRAIGHT TEES



Size	Black Part No.	Galvanized Part No.
1/8	F76418	F72740
1/4	F71732	F74490
3/8	F71181	F77455
1/2	F71506	F76400
3/4	F71202	F7702
1	F75282	F77440
1-1/4	F76307	F77910
1-1/2	F72664	F71882
2	F72029	F74199
3	F74065	

Also for use with 300 PSI Fittings

PIPE FITTINGS — MALLEABLE IRON 150 PSI SCHEDULE 40 (continued)



REDUCING COUPLINGS

Size	Black Part No.	Galvanized Part No.
1/4 x 1/8	F7435	F76836
3/8 x 1/8	F74482	F73032
3/8 x 1/4	F77199	F71033
1/2 x 1/8	F73015	F73418
1/2 x 1/4	F76261	F73045
1/2 x 3/8	F74573	F75656
3/4 x 1/8	F77080	
3/4 x 1/4	F71673	F76745
3/4 x 3/8	F74828	F77205
3/4 x 1/2	F77252	F75607

Size	Black Part No.	Galvanized Part No.
1 x 1/4	F78287	F76879
1 x 3/8	F72344	F76205
1 x 1/2	F72786	F77799
1 x 3/4	F77167	F74944
1-1/4 x 1/2	F71329	F74464
1-1/4 x 3/4	F71446	F75735
1-1/4 x 1	F78229	F7391
1-1/2 x 1/2	F73009	
1-1/2 x 3/4	F73719	F71330
1-1/2 x 1	F7275	F73747

Size	Black Part No.	Galvanized Part No.
1-1/2 x 1-1/4	F71955	F7347
2 x 1/2	F74990	
2 x 3/4	F75796	
2 x 1-1/4	F72611	F77988
2 x 1-1/2	F74497	F77400
2-1/2 x 1	F7587	
2-1/2 x 1-1/2	F75527	
2-1/2 x 2	F72879	
3 x 2	F75996	



CROSSES

Size	Black Part No.	Galvanized Part No.
1/4	F75114	
3/4		F7581



REDUCING TEES

Size	Black Part No.	Galvanized Part No.
3/8 x 3/8 x 1/4	F77311	
3/4 x 1/2 x 1/2	F71813	F76766
3/4 x 1/2 x 3/4	F78141	
1/2 x 1/2 x 3/8	F78464	



STREET TEES

Size	Black Part No.
3/8	F7172
1/2	F75875



NIPPLES - STEEL WELDED (SCH. 40) These fittings meet ASTM A120 specifications.

Size	Black Part No.	Galvanized Part No.	Size	Black Part No.	Galvanized Part No.	Size	Black Part No.	Galvanized Part No.	Size	Black Part No.	Galvanized Part No.
1/8 x close	F72403	F72845	3/8 x 3	F74177	F74735	3/4 x 3	F7406	F76540	1-1/4 x 6	F72983	F77500
1/8 x 1-1/2	F73320	F76921	3/8 x 3-1/2	F77175	F75387	3/4 x 3-1/2	F72888	F73403	1-1/2 x close	F7742	F76621
1/8 x 2	F77457	F76499	3/8 x 4	F73750	F75792	3/4 x 4	F76408	F74093	1-1/2 x 2	F74583	F76493
1/8 x 2-1/2	F72058	F7717	3/8 x 4-1/2	F7918		3/4 x 4-1/2	F74257	F76599	1-1/2 x 2-1/2	F73754	F73808
1/8 x 3	F77012	F78023	3/8 x 5	F74553	F74201	3/4 x 5	F78254	F77431	1-1/2 x 3	F77150	F72707
1/8 x 3-1/2	F74723	F71914	3/8 x 5-1/2	F7618		3/4 x 5-1/2	F76910	F74639	1-1/2 x 3-1/2	F71009	F77570
1/8 x 4	F7111	F72304	3/8 x 6	F73185	F71923	3/4 x 6	F76213	F73070	1-1/2 x 4	F74359	F78048
1/8 x 4-1/2	F72988	F75284	3/8 x 8		F75470	3/4 x 8		F73777	1-1/2 x 4-1/2	F73920	F71246
1/8 x 5	F73534	F74571	3/8 x 10		F72768	3/4 x 10		F77798	1-1/2 x 5	F78000	F78968
1/8 x 5-1/2	F74324		3/8 x 12		F71639	1 x close	F74175	F7180	1-1/2 x 5-1/2	F75446	F7162
1/8 x 6	F76450	F78002	1/2 x close	F72586	F74984	1 x 2	F75321	F73136	1-1/2 x 6	F7434	F76976
1/8 x 8		F74468	1/2 x 1-1/2	F73574	F76530	1 x 2-1/2	F77486	F77689	2 x close	F71383	F7749
1/4 x close	F71927	F74759	1/2 x 2	F77243	F74073	1 x 3	F75571	F72079	2 x 2-1/2	F77965	F74625
1/4 x 1-1/2	F73642	F77210	1/2 x 2-1/2	F72587	F71846	1 x 3-1/2	F71022	F71738	2 x 3	F73457	F78316
1/4 x 2	F72889	F73738	1/2 x 3	F78308	F72648	1 x 4	F77866	F71120	2 x 3-1/2	F76529	
1/4 x 2-1/2	F78296	F76807	1/2 x 3-1/2	F71241	F77545	1 x 4-1/2	F7890	F73776	2 x 4	F78261	F73832
1/4 x 3	F7619	F72479	1/2 x 4	F74372	F73242	1 x 5	F72456	F74767	2 x 4-1/2	F75867	
1/4 x 3-1/2	F72075	F74502	1/2 x 4-1/2	F71932	F72692	1 x 5-1/2	F71820	F71786	2 x 5	F75351	F73915
1/4 x 4	F71269	F76352	1/2 x 5	F74136	F71941	1 x 6	F74049	F76417	2 x 5-1/2	F74345	
1/4 x 4-1/2	F77024	F71747	1/2 x 5-1/2	F72981	F71113	1 x 8	F78034	F75568	2 x 6	F75976	F71553
1/4 x 5	F73279	F73566	1/2 x 6	F75986	F78102	1 x 10		F75270	2 x 7		F71231
1/4 x 5-1/2	F75712	F72937	1/2 x 7	F77279		1-1/4 x close	F73640	F75825	2-1/2 x close	F71516	
1/4 x 6	F71707	F75468	1/2 x 8	F74514	F73633	1-1/4 x 2	F76857	F78967	2-1/2 x 4	F71633	
1/4 x 7		F73599	1/2 x 9	F77092		1-1/4 x 2-1/2	F7949	F73138	2-1/2 x 6	F72560	
1/4 x 10		F74887	1/2 x 10		F77794	1-1/4 x 3	F76709	F75374	3 x close	F74666	
1/4 x 12		F72681	1/2 x 12	F75465		1-1/4 x 3-1/2	F71850	F72187	3 x 3	F7660	
3/8 x close	F74567	F77338	3/4 x close	F72710	F75675	1-1/4 x 4	F73177	F75891	3 x 4	F74318	
3/8 x 1-1/2	F76413	F74980	3/4 x 1-1/2	F77543	F75880	1-1/4 x 4-1/2	F76590		3 x 6	F73802	
3/8 x 2	F7805	F76884	3/4 x 2	F76739	F71974	1-1/4 x 5	F77027	F77952	4 x 4	F77217	
3/8 x 2-1/2	F72906	F74705	3/4 x 2-1/2	F76411	F74055	1-1/4 x 5-1/2	F7190				

FLUID POWER

3 Steel, stainless & Malleable Fittings

PIPE FITTINGS — MALLEABLE IRON 300 PSI SCHEDULE 80

Applications:

- Pressure rating 300 PSI, steam @5500 F
- Liquid & gas at 1500 F

1/4-1 NPS: 2000 PSI

1-1/4-2 NPS: 1500 PSI

2-1/4-4 NPS: 1000 PSI

- 300 PSI fittings (extra heavy) fittings conform to ASME B16.3
- Comply with AAR 1994 Standards & practices.
- Sometimes referred to as "Schedule 80" fittings
- Made in USA



90° ELBOWS

Size	Part No.
1/4	F74794
3/8	F74651
1/2	F77257
3/4	F75309
1	F76821
1-1/4	F76937
1-1/2	F76645
2	F7983



45° ELBOWS

Size	Part No.
1/4	F73565
3/8	F7967
1/2	F74919
3/4	F75551
1	F71701
1-1/4	F7463
1-1/2	F78024



90° STREET ELBOWS

Size	Part No.
1/4	F71777
3/8	F73985
1/2	F73010
3/4	F72940
1	F76893
1-1/4	F71524
1-1/2	F75388
2	F77814



45° STREET ELBOWS

Size	Part No.
3/4	F71631
1	F72477
1-1/4	F75215
1-1/2	F73893



TEES

Size	Part No.
1/4	F763
3/8	F74370
1/2	F77676
3/4	F73753
1	F75140
1-1/4	F74933
1-1/2	F7403
2	F7362



MERCHANTS COUPLING

Size	Part No.
1/8	F71884
1/4	F75545
3/8	F7622
1/2	F73504
3/4	F72761
1	F7105
1-1/4	F78956
1-1/2	F72509



COUPLING

Size	Part No.
1/4	F78054
3/8	F71831
1/2	F74237
3/4	F7181
1	F74407
1-1/4	F71349
1-1/2	F77594
2	F7550



HEX BUSHINGS

Size	Part No.
1/4 x 1/8	F72420
3/8 x 1/8	F71819
3/8 x 1/4	F72085
1/2 x 1/8	F7754
1/2 x 1/4	F71502
1/2 x 3/8	F72615
3/4 x 1/8	F74519
3/4 x 1/4	F71665
3/4 x 3/8	F75059
3/4 x 1/2	F77448
1 x 1/8	F75075
1 x 1/4	F77503
1 x 3/8	F77429
1 x 1/2	F74217
1 x 3/4	F74960
1-1/4 x 1/4	F75122
1-1/4 x 3/8	F71318
1-1/4 x 1/2	F71546
1-1/4 x 3/4	F73810
1-1/4 x 1	F76855
1-1/2 x 3/4	F72805
1-1/2 x 1	F71552
1-1/2 x 1-1/4	F74669
2 x 1-1/2	F76604
2-1/2 x 2	F7491



CAPS

Size	Part No.
1/2	F7663
3/4	F72853
1	F75185
1-1/2	F73991
2	F72247



GROUND JOINT UNIONS

Size	Part No.
1/8	F72536
1/4	F77767
3/8	F73685
1/2	F76873
3/4	F76613
1	F73337
1-1/4	F7252
1-1/2	F71959
2	F75414

Also for use with 150 PSI Fittings



SQUARE HEAD PLUGS

Size	Part No.
1/8	F7950
1/4	F7129
3/8	F7305
1/2	F7414
3/4	F72101
1	F78204
1-1/4	F77739
1-1/2	F76090
2	F75036
2-1/2	F71253

Also for use with 150 PSI Fittings
1/2" & smaller - solid
3/4" & large - cored



COUNTER SUNK PLUGS

Size	Part No.
1/8*	F73484
1/4*	F73369
3/8*	F71870
1/2	F71816
3/4	F7141
1	F72892
1-1/4	F78279
1-1/2	F78221
2	F74323

Also for use with 150 PSI Fittings

*Steel with Hex Drive



REDUCING COUPLING

Size	Part No.
3/8 x 1/4	F75937
1/2 x 3/8	F7919
1/2 x 1/4	F74550
3/4 x 1/2	F73872
3/4 x 3/8	F7885
1 x 3/4	F74808
1 x 1/2	F77703
1 x 1/4	F71844
1-1/4 x 1	F77352
1-1/2 x 1-1/4	F75865
1-1/2 x 3/4	F71533
2 x 1	F71454

PIPE NIPPLES — WELDED 300 PSI SCHEDULE 80



NIPPLES - STEEL WELDED (SCH. 80) BLACK These fittings meet ASTM A120 specifications.

Size	Part No.	Size	Part No.	Size	Part No.	Size	Part No.
1/8 close	F73696	3/8 x 3	F77395	3/4 x 4	F72661	1-1/4 x 6	F77525
1/8 x 1-1/2	F76672	3/8 x 4	F74898	3/4 x 4-1/2	F78274	1-1/4 x 10	F74746
1/8 x 2	F71316	3/8 x 4-1/2	F78267	3/4 x 5	F75249	1-1/2 close	F78082
1/8 x 3	F75471	3/8 x 5	F75383	3/4 x 6	F77701	1-1/2 x 2	F71011
1/8 x 4	F77018	3/8 x 6	F75988	1 close	F71431	1-1/2 x 2-1/2	F72652
1/8 x 4-1/2	F76072	1/2 close	F71159	1 x 2	F72397	1-1/2 x 3	F73341
1/8 x 5-1/2	F76823	1/2 x 1-1/2	F74725	1 x 2-1/2	F77522	1-1/2 x 3-1/2	F7428
1/8 x 6	F78129	1/2 x 2	F7673	1 x 3	F72339	1-1/2 x 4	F73688
1/4 close	F77641	1/2 x 2-1/2	F71070	1 x 3-1/2	F72256	1-1/2 x 5	F77825
1/4 x 1-1/2	F77184	1/2 x 3	F780	1 x 4	F73538	1-1/2 x 6	F71252
1/4 x 2	F78251	1/2 x 3-1/2	F7990	1 x 4-1/2	F7466	2 close	F71648
1/4 x 2-1/2	F71635	1/2 x 4	F75329	1 x 5	F72834	2 x 2-1/2	F71722
1/4 x 3	F71887	1/2 x 4-1/2	F77662	1 x 6	F7451	2 x 3	F781
1/4 x 3-1/2	F73593	1/2 x 5	F77913	1 x 12	F7948	2 x 3-1/2	F72499
1/4 x 4	F72642	1/2 x 5-1/2	F77041	1-1/4 close	F77900	2 x 4	F74122
1/4 x 4-1/2	F75908	1/2 x 6	F74661	1-1/4 x 2-1/2	F71111	2 x 5	F77218
1/4 x 5	F71061	3/4 close	F72000	1-1/4 x 3	F73452	2 x 5-1/2	F72001
1/4 x 6	F71694	3/4 x 1-1/2	F75171	1-1/4 x 3-1/2	F73414	2 x 6	F7999
3/8 close	F7553	3/4 x 2	F77572	1-1/4 x 4	F73948	2-1/2 x 4	F76027
3/8 x 1-1/2	F73542	3/4 x 2-1/2	F73254	1-1/4 x 5	F71025		
3/8 x 2	F75365	3/4 x 3	F76793				
3/8 x 2-1/2	F73813	3/4 x 3-1/2	F72368				

PIPE NIPPLES — SEAMLESS SCHEDULE 80



NIPPLES - STEEL SEAMLESS (SCH. 80) BLACK These fittings meet ASTM A106 Grade B specifications.

Size	Part No.	Size	Part No.	Size	Part No.	Size	Part No.
1/8 close	F71249	1/8 x 6	F77312	1/4 x 3-1/2	F72226	3/8 x close	F77541
1/8 x 1-1/2	F71860	1/4 close	F71149	1/4 x 4	F73074	3/8 x 1-1/2	F77330
1/8 x 3-1/2	F76095	1/4 x 1-1/2	F7828	1/4 x 4-1/2	F75505	3/8 x 4	F73925
1/8 x 4-1/2	F76020	1/4 x 2	F72300	1/4 x 5	F74979	3/8 x 6	F76128
1/8 x 5	F73144	1/4 x 2-1/2	F77719	1/4 x 5-1/2	F75678		
1/8 x 5-1/2	F7703	1/4 x 3	F73831	1/4 x 6	F77709		

PIPE NIPPLES — SEAMLESS SCHEDULE 160



NIPPLES - STEEL SEAMLESS (SCH. 160) BLACK These fittings meet ASTM A733 and federal specifications WWN351.

Size	Part No.	Size	Part No.	Size	Part No.	Size	Part No.
1/2 close	F72621	3/4 x 2	F71976	1 x 5	F76781		
1/2 x 1-1/2	F71904	3/4 x 2-1/2	F73830	1-1/4 close	F71174		
1/2 x 2	F7872	3/4 x 3-1/2	F76234	1-1/4 x 2	F72147		
1/2 x 2-1/2	F75606	3/4 x 4-1/2	F78263	1-1/4 x 2-1/2	F76470		
1/2 x 3	F75320	3/4 x 5	F76316	1-1/4 x 3	F7429		
1/2 x 3-1/2	F76192	3/4 x 6	F76285	1-1/4 x 3-1/2	F71326		
1/2 x 4	F75347	1 close	F78246	1-1/4 x 4	F7978		
1/2 x 5	F75789	1 x 2	F7551	1-1/2 close	F78154		
1/2 x 5-1/2	F77928	1 x 2-1/2	F78238	1-1/2 x 2	F76351		
1/2 x 6	F76911	1 x 3	F74087	1-1/2 x 3	F73194		
3/4 close	F71838	1 x 3-1/2	F73739	1-1/2 x 3-1/2	F72763		
3/4 x 1-1/2	F7732	1 x 4	F7786	1-1/2 x 5	F71212		

FLUID POWER

3 Steel, stainless & Malleable Fittings

PIPE FITTINGS — 304 STAINLESS STEEL

Working Pressure:

- 150 PSI, @350° F
- 300 PSI@-20 to 150° F

Conforms to Following Specifications:

- ASTM A-351
- MSS SP-114
- ANSI B1.20.1



90° ELBOWS

Size	Part No.
1/8	F77112
1/4	F7460
3/8	F76385
1/2	F76003
3/4	F75228
1	F76319
1-1/4	F78175
1-1/2	F76592
2	F71280



45° ELBOWS

Size	Part No.
1/8	F74621
1/4	F75869
3/8	F75830
1/2	F73797
3/4	F75090
1	F7504
1-1/4	F76583
1-1/2	F74657
2	F75716



90° STREET ELBOWS

Size	Part No.
1/8	F75246
1/4	F76917
3/8	F77419
1/2	F71483
3/4	F71220
1	F7938
1-1/4	F77396
1-1/2	F72842
2	F76276



STRAIGHT TEES

Size	Part No.
1/8	F76455
1/4	F77778
3/8	F7453
1/2	F72818
3/4	F72461
1	F72840
1-1/4	F7670
1-1/2	F77327
2	F73162



COUPLINGS

Size	Part No.
1/8	F74878
1/4	F72033
3/8	F76326
1/2	F71230
3/4	F77215
1	F74633
1-1/4	F77181
1-1/2	F77115
2	F71078



CAPS

Size	Part No.
1/8	F72286
1/4	F71382
3/8	F7402
1/2	F77116
3/4	F7993
1	F73630
1-1/4	F74142
1-1/2	F72469



SQUARE HEAD PLUGS

Size	Part No.
1/8	F73496
1/4	F72050
3/8	F7811
1/2	F77244
3/4	F75308
1	F71323
1-1/4	F75648
1-1/2	F75462
2	F75997



UNIONS

Size	Part No.
1/8	F7627
1/4	F7365
3/8	F74397
1/2	F75992
3/4	F76447
1	F75935
1-1/4	F77427
1-1/2	F74416



HEX BUSHINGS

Size	Part No.
1/4 x 1/8	F7143
3/8 x 1/8	F77022
3/8 x 1/4	F73954
1/2 x 1/8	F72243
1/2 x 1/4	F7441
1/2 x 3/8	F71338
3/4 x 1/8	F77466
3/4 x 1/4	F75125
3/4 x 3/8	F75429
3/4 x 1/2	F71873
1 x 1/8	F71794
1 x 1/4	F71944
1 x 3/8	F73267
1 x 1/2	F7590
1 x 1/2 x 1	F76922
1 x 3/4	F74024
1-1/4 x 1/4	F75566
1-1/4 x 3/8	F77246
1-1/4 x 1/2	F71214
1-1/4 x 3/4	F78580
1-1/4 x 1	F77089
1-1/2 x 3/4	F77060
1-1/2 x 1-1/4	F73608
2 x 3/4	F73146
2 x 1	F76341
2 x 1-1/2	F73663



REDUCING COUPLINGS

Size	Part No.
1/4 x 1/8	F74810
3/8 x 1/8	F77343
3/8 x 1/4	F75575
1/2 x 1/4	F75056
1/2 x 3/8	F77134
3/4 x 1/4	F77207
3/4 x 3/8	F71343
3/4 x 1/2	F71508
1 x 1/2	F76185
1 x 3/4	F76335
1-1/4 x 1	F7529
1-1/2 x 1	F73067
2 x 1-1/2	F77894



HEX HEAD PLUGS

Size	Part No.
1/8	F72450
1/4	F75219
3/8	F73967
1/2	F72252
3/4	F74458
1	F7177
1-1/4	F71037
1-1/2	F77301



HEX NIPPLES

Size	Part No.
1/8	F72554
1/4	F75418
3/8	F78147
1/2	F78103



CROSSES

Size	Part No.
1/8	F76732
1/4	F71659
3/8	F78027
1/2	F72734
3/4	F7886
1	F76593

PIPE NIPPLES — 304 STAINLESS STEEL

NIPPLES

Size	Part No.	Size	Part No.
1/8 close	F77423	1/2 x 5	F75065
1/8 x 1-1/2	F72781	1/2 x 5-1/2	F76297
1/8 x 2	F75628	1/2 x 6	F76701
1/8 x 2-1/2	F7934	3/4 close	F7996
1/8 x 3	F74129	3/4 x 1-1/2	F72767
1/8 x 4	F76997	3/4 x 2	F73851
1/8 x 5	F73142	3/4 x 2-1/2	F71046
1/8 x 6	F76906	3/4 x 3	F74413
1/4 close	F76716	3/4 x 3-1/2	F76434
1/4 x 1-1/2	F76420	3/4 x 4	F77428
1/4 x 2	F71818	3/4 x 4-1/2	F72583
1/4 x 2-1/2	F72963	3/4 x 5	F77483
1/4 x 3	F77638	3/4 x 6	F72462
1/4 x 3-1/2	F76514	1 close	F74168
1/4 x 4	F73390	1 x 2	F75225
1/4 x 4-1/2	F72754	1 x 2-1/2	F74328
1/4 x 5	F75764	1 x 3	F71724
1/4 x 6	F7802	1 x 3-1/2	F7175
3/8 close	F75921	1 x 4	F77144
3/8 x 1-1/2	F78172	1 x 4-1/2	F72378
3/8 x 2	F71843	1 x 5	F77372
3/8 x 2-1/2	F76877	1 x 5-1/2	F76786
3/8 x 3	F7473	1 x 6	F74460
3/8 x 3-1/2	F74846	1-1/4 x close	F76002
3/8 x 4	F78318	1-1/4 x 2	F7379
3/8 x 5	F7980	1-1/4 x 3	F76958
3/8 x 5-1/2	F77245	1-1/4 x 4	F77935
3/8 x 6	F75781	1-1/4 x 5	F71427
1/2 close	F74220	1-1/4 x 6	F72677
1/2 x 1-1/2	F71439	1-1/2 x close	F7701
1/2 x 2	F78277	1-1/2 x 2	F77550
1/2 x 2-1/2	F7521	1-1/2 x 2-1/2	F75089
1/2 x 3	F7149	1-1/3 x 3	F75487
1/2 x 3-1/2	F77464	1-1/2 x 5	F76533
1/2 x 4	F75373	1-1/2 x 6	F73345
1/2 x 4-1/2	F74517		



PIPE FITTINGS — 316 STAINLESS STEEL

Working Pressure:

- 150 PSI @ 350° F
- 300 PSI @ -20 to 150° F

Conforms to Following Specifications:

- ASTM A-351
- MSS SP-114
- ANSI B1.20.1



90° ELBOWS

Size	Part No.
1/8	F73416
1/4	F74226
3/8	F72666
1/2	F73877
3/4	F74436
1	F74857
1-1/2	F76131
2	F71739



90° STREET ELBOWS

Size	Part No.
1/8	F71079
1/4	F74740
3/8	F78319
1/2	F72409
3/4	F74559
1	F75117
1-1/4	F78011



STRAIGHT TEES

Size	Part No.
1/8	F75883
1/4	F76242
3/8	F72780
1/2	F73737
3/4	F76124
1	F72445
1-1/4	F7667
1-1/2	F77770
2	F76009



45° ELBOWS

Size	Part No.
1/8	F75208
1/4	F73648
3/8	F77732
1/2	F71515
1-1/4	F75794
1-1/2	F72004



MERCHANT COUPLINGS

Size	Part No.
1/8	F74225
1/4	F76545
3/8	F72072
1/2	F75138
3/4	F77667
1	F7973
1-1/4	F78301
1-1/2	F77422
2	F75146



CAPS

Size	Part No.
1/8	F76809
1/4	F75107
3/8	F73391
1/2	F71363
3/4	F72295
1	F7862
1-1/4	F7510
1-1/2	F73708
2	F78134



SQUARE HEAD PIPE PLUGS - CORED

Size	Part No.
1/8	F71409
1/4	F73310
3/8	F76713
1/2	F75786
3/4	F76852
1	F72032
1-1/2	F76037



UNIONS

Size	Part No.
3/8	F75962
1/2	F75954
3/4	F74169
1	F77133
1-1/4	F7779
1-1/2	F75330
2	F76259

FLUID POWER

3 Steel, stainless & Malleable Fittings

PIPE FITTINGS — 316 STAINLESS STEEL (continued)

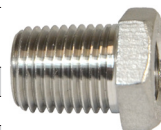
REDUCING COUPLINGS

Size	Part No.
1/4 x 1/8	F74863
3/8 x 1/4	F7780
1/2 x 1/4	F75718
1/2 x 3/8	F75953
3/4 x 3/8	F7349
3/4 x 1/2	F74679
1 x 1/4	F73106
1 x 3/8	F71663
1 x 1/2	F77153
1 x 3/4	F72080
1-1/4 x 1	F7194
1-1/2 x 1	F74398
1-1/2 x 1-1/4	F75515



HEX BUSHINGS

Size	Part No.
1/4 x 1/8	F74475
3/8 x 1/8	F77650
3/8 x 1/4	F75110
1/2 x 1/8	F75363
1/2 x 1/4	F75923
1/2 x 3/8	F75419
3/4 x 1/4	F74932
3/4 x 3/8	F77856
3/4 x 1/2	F73179
1 x 1/4	F77382
1 x 1/2	F73989
1 x 3/4	F72179
1-1/4 x 3/8	F76200
1-1/4 x 3/4	F77930
1-1/4 x 1	F77443
1-1/2 x 3/4	F75015
1-1/2 x 1	F74206
1-1/2 x 1-1/4	F76580
2 x 1	F72976
2 x 1-1/2	F7868



PIPE NIPPLES — 316 STAINLESS STEEL SCHEDULE 40



NIPPLES These fittings meet ASTM A182 Specifications.

Size	Part No.
1/8 close	F74396
1/8 x 1-1/2	F77122
1/8 x 2	F76345
1/8 x 3	F72105
1/8 x 5	F71403
1/4 close	F76710
1/4 x 1-1/2	F74557
1/4 x 2	F73636
1/4 x 2-1/2	F75370
1/4 x 3	F73580
1/4 x 4	F75327
1/4 x 5	F72115
3/8 close	F78124
3/8 x 1-1/2	F73178
3/8 x 2	F7178
3/8 x 2-1/2	F76233
3/8 x 3	F76694
3/8 x 3-1/2	F76639
3/8 x 5	F74480
1/2 close	F77888
1/2 x 1-1/2	F75714

Size	Part No.
1/2 x 2	F73607
1/2 x 2-1/2	F72222
1/2 x 3	F73388
1/2 x 3-1/2	F73684
1/2 x 4	F75258
1/2 x 5	F7126
1/2 x 6	F76803
1/2 x 12	F7497
3/4 close	F7422
3/4 x 1-1/2	F74357
3/4 x 2	F71616
3/4 x 2-1/2	F75927
3/4 x 3	F7704
3/4 x 3-1/2	F74595
3/4 x 4	F74005
3/4 x 4-1/2	F7426
3/4 x 5	F75092
3/4 x 6	F75511
1 close	F75166
1 x 2	F76485
1 x 3	F71781

Size	Part No.
1 x 3-1/2	F76931
1 x 4	F72089
1 x 5	F7576
1 x 6	F72929
1-1/4 close	F71075
1-1/4 x 3	F74000
1-1/4 x 4	F75348
1-1/2 close	F71103
1-1/2 x 2	F77580
1-1/2 x 3	F73300
1-1/2 x 4	F73632
1-1/2 x 6	F7843
2 close	F75392
2 x 2-1/2	F74802
2 x 3	F77607
2 x 4	F75770
2 x 5	F72817
2 x 6	F78123

PIPE FITTINGS — 316 STAINLESS STEEL HEAVY-DUTY SCHEDULE 40

- To be used with Schedule 80 pipe
 - **Working Pressure:** 3000 PSI
- Conforms to Following Specifications:**

- ASTM A-351
- ASME B16.11
- ANSI B1.20.1



TEES

Size	Part No.
1/4	F77604
3/8	F72095
1/2	F73268
1	F73728



MERCHANT COUPLINGS

Size	Part No.
1/4	F7700
1/2	F73069
1	F72709
1-1/2	F71541



CAPS

Size	Part No.
1/2	F72279
3/4	F71768
1	F75724
2	F71096



BUSHINGS

Size	Part No.
1/4 x 1/8	F72699
3/8 x 1/8	F72603
1/2 x 1/4	F73846
3/4 x 1/2	F77853
3/4 x 3/8	F74754
1 x 1/2	F76118
1-1/2 x 1	F71624
2 x 1	F77341



HEX PLUGS

Size	Part No.
1/8	F75303
1/4	F76618
3/8	F74783
1/2	F71826
3/4	F75396
1	F74766



SQUARE HEAD PLUGS

Size	Part No.
1/8	F75641
1/4	F7350
3/8	F7655
1/2	F75434
3/4	F74991
1	F75356
1-1/4	F7884
1-1/2	F77197
2	F75204



90° STREET ELBOW

Size	Part No.
1/4	F7281
3/8	F7931
1/2	F74871
3/4	F75594

FLUID POWER

3 Steel, stainless & Malleable Fittings

PIPE NIPPLES — 316 STAINLESS STEEL SCHEDULE 80



NIPPLES - WELDED (SCH. 80) These fittings meet ASTM A733

Size	Part No.
1/8 x 1-1/2	F72575
1/8 x 2-1/2	F74208
1/4 x 2	F77359
1/4 x 6	F72134
3/8 x 1-1/2	F75700
3/8 x 2	F71802
3/8 x 4	F71018
3/8 x 5	F77710
3/8 x 5-1/2	F77474
1/2 close	F77054
1/2 x 1-1/2	F7677

Size	Part No.
1/2 x 2	F73829
1/2 x 2-1/2	F75742
1/2 x 3	F75184
1/2 x 4	F72500
1/2 x 6	F73088
3/4 close	F74143
3/4 x 1-1/2	F7236
3/4 x 2	F74299
3/4 x 2-1/2	F74563
3/4 x 3	F78312
3/4 x 4	F75073

Size	Part No.
3/4 x 6	F71032
1 close	F7340
1 x 2	F77618
1 x 2-1/2	F77160
1 x 3	F76509
1 x 3-1/2	F7404
1 x 4	F73439
1 x 5	F78143
1 x 6	F7979
1-1/2 x 3-1/2	F73786

TUBE FITTINGS — PUSH-TO-CONNECT

Typical Applications Pneumatic (compressed air only)
Pressure Up to 290 PSI
Working Temperature -4°F to + 175°F
Material High resistance polymer (plastic)
Used With Polyurethane, polyethylene and semi-rigid nylon tubing
Materials of Construction Base - nickel plated brass Black body - glass filled nylon
 O-ring seal - buna nitrile Buttons - polypropylene
 Thread sealant pre-applied on pipe ends
All Products Are silicone free
Advantages Easy to assemble one piece fitting

Important Note: These fittings are not designed or approved for use in D.O.T. or air brake applications

MALE ELBOW

Tube Size	Pipe Size	Legris Part No.	Equivalent SMC No.	Part No.
1/8	10-32	31095320	KQ2L01-32	F73821
1/8	1/16	31095308		F77059
1/8	1/8	31095311	KQ2L01-34S	F71125
1/8	1/4	31095314	KQ2L01-35S	F72366
5/32	10-32	31090420	KQ2L03-32	F76924
5/32	1/8	31090411	KQ2L03-34S	F72274
5/32	1/4	31090414	KQ2L03-35S	F75245
3/16	1/8	31095511	KQ2L05-34S	F7905
1/4	10-32	31095620	KQ2L07-32	F71652
1/4	1/8	31095611	KQ2L07-34S	F75902
1/4	1/4	31095614	KQ2L07-35S	F75221
1/4	3/8	31095618	KQ2L07-36S	F75929
5/16	1/8	31090811	KQ2L09-34S	F7761
5/16	1/4	31090814	KQ2L09-35S	F71562
5/16	3/8	31090818	KQ2L09-36S	F73614
3/8	1/8	31096011	KQ2L11-34S	F71268
3/8	1/4	31096014	KQ2L11-35S	F76999
3/8	3/8	31096018	KQ2L11-36S	F73241
3/8	1/2	31096022	KQ2L11-37S	F7865
1/2	1/4	31096214	KQ2L13-35S	F72070
1/2	3/8	31096218	KQ2L13-36S	F73889
1/2	1/2	31096222	KQ2L13-37S	F75526



MALE BRANCH TEE

Tube Size	Pipe Size	Legris Part No.	Equivalent SMC No.	Part No.
1/8	1/16	31085308		F75178
1/8	1/8	31085311	KQ2T01-34S	F76375
5/32	10-32	31080420	KQ2T03-32	F795
5/32	1/4	31080414	KQ2T03-35S	F77681
1/4	1/8	31085611	KQ2T07-34S	F78057
1/4	1/4	31085614	KQ2T07-35S	F73618
1/4	3/8	31085618	KQ2T07-36S	F75717
5/16	1/8	31080811	KQ2T09-34S	F75702
5/16	1/4	31080814	KQ2T09-35S	F71142
3/8	1/8	31086011	KQ2T11-34S	F7537
3/8	1/4	31086014	KQ2T11-35S	F71322
3/8	3/8	31086018	KQ2T11-36S	F78149
3/8	1/2	31086022	KQ2T11-37S	F78311
1/2	1/4	31086214	KQ2T13-35S	F73309
1/2	3/8	31086218	KQ2T13-36S	F74388
1/2	1/2	31086222	KQ2T13-37S	F72925



MALE RUN TEE

Tube Size	Pipe Size	Legris Part No.	Equivalent SMC No.	Part No.
1/8	10-32	31035320		F77002
1/8	1/8	31035311	KQ2Y01-34S	F71024
5/32	10-32	31030420		F77166
5/32	1/8	31030411	KQ2Y03-34S	F76775
1/4	1/8	31035611	KQ2Y07-34S	F71041
1/4	1/4	31035614	KQ2Y07-35S	F7214
1/4	3/8	31035618	KQ2Y07-36S	F78248
5/16	1/4	31030814	KQ2Y09-35S	F77342
3/8	1/4	31036014	KQ2Y11-35S	F74292
3/8	3/8	31036018	KQ2Y11-36S	F72212
1/2	1/4	31036214	KQ2Y13-35S	F74853



MALE CONNECTOR

Tube Size	Pipe Size	Legris Part No.	Equivalent SMC No.	Part No.
1/8	1/16	31755308	KQ2H01-32	F72375
1/8	10-32	31715320	KQ2H01-33S	F71074
1/8	1/8	31755311	KQ2H01-34S	F7910
1/8	1/4	31755314	KQ2H01-35S	F73077
5/32	10-32	31710420	KQ2H03-32	F75129
5/32	1/8	31750411	KQ2H03-34S	F76641
5/32	1/4	31750414	KQ2H03-35S	F76535
3/16	1/8	31755511	KQ2H05-34S	F73250
3/16	1/4	31755514	KQ2H05-35S	F72188
1/4	1/8	31755611	KQ2H07-34S	F72862
1/4	1/4	31755614	KQ2H07-35S	F78099
1/4	3/8	31755618	KQ2H07-36S	F77967
5/16	1/8	31750811	KQ2H09-34S	F75839
5/16	1/4	31750814	KQ2H09-35S	F77625
5/16	3/8	31750818	KQ2H09-36S	F74459
3/8	1/8	31756011	KQ2H11-34S	F74981
3/8	1/4	31756014	KQ2H11-35S	F76100
3/8	3/8	31756018	KQ2H11-36S	F77946
3/8	1/2	31756022	KQ2H11-37S	F77418
1/2	1/4	31756214	KQ2H13-35S	F74437
1/2	3/8	31756218	KQ2H13-36S	F72849
1/2	1/2	31756222	KQ2H13-37S	F74615



TUBE FITTINGS — PUSH-TO-CONNECT (continued)

UNION ELBOW

Tube Size	Legris Part No.	Equivalent SMC No.	Part No.
1/8	31025300	KQ2L01-00	F71518
5/32	31020400	KQ2L03-00	F77191
3/16	31025500	KQ2L05-00	F73641
1/4	31025600	KQ2L07-00	F71384
5/16	31020800	KQ2L09-00	F73572
3/8	31026000	KQ2L11-00	F77137
1/2	31026200	KQ2L13-00	F77752



FEMALE CONNECTOR

Tube Size	Pipe Size	Legris Part No.	Equivalent SMC No.	Part No.
1/8	1/8	30145311	KQ2F01-34	F71554
1/8	1/4	30145314	KQ2F01-35	F75000
3/16	1/8	30145511		F77810
1/4	1/8	30145611	KQ2F07-34	F75482
1/4	1/4	30145614	KQ2F07-35	F75710
3/8	1/8	30146011		F7382
3/8	1/4	30146014	KQ2F11-35	F71042
3/8	3/8	30146018	KQ2F11-36	F77746



UNION Y CONNECTOR

Tube Size	Legris Part No.	Equivalent SMC No.	Part No.
1/8	31405300	KQ2U01-00	F7572
5/32	31400400	KQ2U03-00	F76666
1/4	31405600	KQ2U07-00	F7213
3/8	31406000	KQ2U11-00	F72668



BULKHEAD UNION

Tube Size	Legris Part No.	Equivalent SMC No.	Part No.
1/8	31165300	KQ2E01-00	F75100
5/32	31160400	KQ2E03-00	F77214
1/4	31165600	KQ2E07-00	F76516
3/8	31166000	KQ2E11-00	F7847



UNEQUAL UNION

Tube Size	Tube Size	Equivalent SMC Part No.	Part No.
1/4	1/8	KQ2H07-05	F79715
5/16	1/4	KQ2H09-07	F79716
3/8	5/16	KQ2H11-09	F79717
3/8	1/4	31066056	F79519
1/2	3/8	KQ2H13-11	F79718



INLINE VALVES - INCH

Tube Size	Part No.
1/4	F78891
3/8	F78892
1/2	F78893



UNION

Tube Size	Legris Part No.	Equivalent SMC No.	Part No.
1/8	31065300	KQ2H01-00	F77833
5/32	31060400	KQ2H03-00	F77036
3/16	31065500	KQ2H05-00	F7561
1/4	31065600	KQ2H07-00	F73121
5/16	31060800	KQ2H09-00	F76547
3/8	31066000	KQ2H11-00	F74825
1/2	31066200	KQ2H13-00	F76962



INLINE FLOW CONTROL VALVE

Tube Size	Legris Part No.	Part No.
1/4	7770-56-00	F75115
3/8	7770-60-00	F74420
1/2	7770-62-00	F72965



UNION TEE

Tube Size	Legris Part No.	Equivalent SMC No.	Part No.
1/8	31045300	KQ2T01-00	F74209
5/32	31040400	KQ2T03-00	F73887
3/16	31045500	KQ2T05-00	F76278
1/4	31045600	KQ2T07-00	F75024
5/16	31040800	KQ2T09-00	F75843
3/8	31046000	KQ2T11-00	F72808
1/2	31046200	KQ2T13-00	F74706



FLOW CONTROL VALVE

Tube Size	Pipe Size	Legris Part No.	Equivalent SMC No.	Part No.
5/32	1/8	76650411	NAS2201F-U0103	F7970
1/4	10-32	76605620	NAS2201F-U3207	F78176
1/4	1/8	76655611	NAS2201F-U0107	F74333
1/4	1/4	76655614	NAS2201F-U0207	F78281



TUBE FITTINGS — METRIC PUSH-TO-CONNECT

MALE CONNECTOR

Tube Size	Pipe Size	Legris Part No.	Equivalent SMC No.	Part No.
M4	1/8	31750410	KQ2H04-01S	F71668
M4	1/4	31750413	KQ2H04-02S	F72253
M6	1/8	31750610	KQ2H06-01S	F75135
M6	1/4	31750613	KQ2H06-02S	F7601
M8	1/8	31750810	KQ2H08-01S	F792
M8	1/4	31750813	KQ2H08-02S	F76383
M8	3/8	31750817	KQ2H08-03S	F73233
M10	1/4	31751013	KQ2H10-02S	F72904
M10	3/8	31751017	KQ2H10-03S	F74140
M10	1/2	31751021	KQ2H10-04S	F7985
M12	1/4	31751213		F73584
M12	3/8	31751217		F76422
M12	1/2	31751221		F7274
M14	3/8	31751417		F76490
M14	1/2	31751421		F72860



MALE ELBOW

Tube Size	Pipe Size	Legris Part No.	Equivalent SMC No.	Part No.
M4	1/8	31090410	KQ2L04-01S	F77241
M4	1/4	31090413	KQ2L04-02S	F74350
M6	1/8	31090610	KQ2L06-01S	F74363
M6	1/4	31090613	KQ2L06-02S	F75206
M8	1/8	31090810	KQ2L08-01S	F78193
M8	1/4	31090813	KQ2L08-02S	F78237
M8	3/8	31090817	KQ2L08-03S	F71420
M10	1/4	31091013	KQ2L10-02S	F71354
M10	3/8	31091017	KQ2L10-03S	F74773
M10	1/2	31091021	KQ2L10-04S	F77860
M12	1/4	31091213	KQ2L12-02S	F72712
M12	3/8	31091217		F75302
M12	1/2	31091221		F71421
M14	3/8	31091417		F75574
M14	1/2	31091421		F73655



UNION ELBOW

Tube Size	Legris Part No.	Part No.
M4	31020400	F72616
M6	31020600	F71306
M8	31020800	F77977
M10	31021000	F77269



FEMALE CONNECTOR

Tube Size	Pipe Size	Legris Part No.	Equivalent SMC No.	Part No.
M4	1/8	31140410	KQ2F04-01	F72653
M4	1/4	31140413	KQ2F04-02	F7855
M6	1/8	31140610	KQ2F06-01	F71973
M6	1/4	31140613	KQ2F06-02	F71804
M8	1/8	31140810	KQ2F08-01	F71572
M8	1/4	31140813	KQ2F08-02	F72671
M10	3/8	31141017	KQ2F10-03	F75490
M12	3/8	31141217		F76747
M12	1/2	31141221		F73801



UNEQUAL UNION

Tube Size	Tube Size	Equivalent SMC Part No.	Part No.
M8	M6	KQ2H08-06	F79719
M10	M8	KQ2H10-08	F79720
M12	M10	KQ2H12-10	F79721
M16	M12	KQ2H16-12	F79722



INLINE FLOW CONTROL VALVE

Tube Size	Legris Part No.	Part No.
M6	7770-06-00	F77803
M8	7770-08-00	F76407
M10	7770-10-00	F75456



PUSH-TO-CONNECT UNION

Tube Size	Legris Part No.	Equivalent SMC No.	Part No.
M4	31060400	KQ2H04-00	F72360
M6	31060600	KQ2H06-00	F74417
M8	31060800	KQ2H08-00	F73769
M10	31061000	KQ2H10-00	F73449
M12	31061200		F74596
M14	31061400		F72717



INLINE VALVES - METRIC

Tube Size	Part No.
M6	F78886
M8	F78888
M10	F78889
M12	F78890



UNION TEE

Tube Size	Legris Part No.	Part No.
M4	31040400	F76354
M6	31040600	F7393
M8	31040800	F73770
M10	31041000	F76437
M12	31041200	F765
M14	31041400	F77562



FLOW CONTROL VALVE

Tube Size	Pipe Size	Legris Part No.	Part No.
M4	1/8	7660 04 10	F74614
M6	1/8	7660 06 10	F78152
M6	1/4	7660 06 13	F77302
M6	M5	7660 06 19	F78130



MALE BRANCH TEE

Tube Size	BSPT Part No.	Legris Part No.	Part No.
M4	1/8	31080410	F75095
M4	1/4	31080413	F73512
M6	1/8	31080610	F74894
M6	1/4	31080613	F7740
M8	1/8	31080810	F7464
M8	1/4	31080810	F71148
M8	3/8	31080817	F72155
M10	1/4	31080813	F72131
M10	3/8	31080817	F73465
M10	1/2	31081021	F73898
M12	1/4	31081213	F71655
M12	3/8	31081217	F7286
M12	1/2	31081221	F72939
M14	3/8	31081417	F71006



EQUAL UNION Y

Tube Size	Legris Part No.	Part No.
M4 x M4	3140 04 00	F76374
M6 x M6	3140 06 00	F75517
M8 x M8	3140 08 00	F78001
M10 x M10	3140 10 00	F73442



UNEQUAL UNION Y

Tube Size	Legris Part No.	Part No.
M4 x M6	3140 04 06	F75448
M6 x M8	3140 06 08	F72962
M8 x M10	3140 08 10	F73017

FLUID POWER

4 Plastic Fittings

TUBE FITTINGS — PUSH-TO-CONNECT D.O.T.

Specification	Meet all applicable requirements of the D.O.T. FMVSS 106 specification, revised 12-20-07
Typical Applications	Designed for use on all pneumatic circuits other than air brake assemblies between the frame and axle. Final determination as to the use of this product in its application is the responsibility of the user's design engineering
Pressure	Up to 275 PSI
Working Temperature	-40°F to +225°F
Materials of Construction	Threaded base-nickle plated brass Bodies-mineral reinforced nylon 12 Seals-low temp. nitrile Buttons-polypropylene
All Products	Tube support brass are silicone-free
Advantages	Easy-to-assemble one piece fitting; no special tools required for assembly

D.O.T. MALE ELBOW

Tube Size	Pipe Size	Parker Part No.	Part No.
5/32*	1/8	169PTCNS-5/32-2	F74027
3/16*	1/8	169PTCNS-3-2	F72878
1/4	1/8	369PTC-4-2	F73114
1/4	1/4	369PTC-4-4	F72076
1/4	3/8	369PTC-4-6	F75754
3/8	1/4	369PTC-6-4	F77567
3/8	3/8	369PTC-6-6	F76149
3/8	1/2	369PTC-6-8	F72769
1/2	1/4	369PTC-8-4	F71337
1/2	3/8	369PTC-8-6	F77724
1/2	1/2	369PTC-8-8	F73401

*Brass Body



D.O.T. MALE 45° ELBOW

Tube Size	Pipe Size	Parker Part No.	Part No.
1/4	1/4	379PTC-4-4	F79634
1/4	3/8	379PTC-4-6	F79635
3/8	1/4	379PTC-6-4	F79636
3/8	1/2	379PTC-6-8	F79638
3/8	3/8	379PTC-6-6	F79637
1/2	1/4	379PTC-8-4	F79639
1/2	3/8	379PTC-8-6	F79640
1/2	1/2	379PTC-8-8	F79641
5/8	3/8	379PTC-10-6	F79632
5/8	1/2	379PTC-10-8	F79633



D.O.T. MALE CONNECTOR

Tube Size	Pipe Size	Parker Part No.	Part No.
5/32	1/8	68PTC-5/32-2	F72538
5/32	1/4	68PTC-5/32-4	F71008
3/16	1/8	68PTC-3-2	F78041
3/16	1/4	68PTC-3-4	F74549
1/4	1/8	68PMT-4-2	F76123
1/4	1/4	68PMT-4-4	F76963
1/4	3/8	68PMT-4-6	F7974
3/8	1/8	68PMT-6-2	F73669
3/8	1/4	68PMT-6-4	F72044
3/8	3/8	68PMT-6-6	F73129
3/8	1/2	68PMT-6-8	F71437
1/2	1/4	68PMT-8-4	F74332
1/2	3/8	68PMT-8-6	F71897
1/2	1/2	68PMT-8-8	F71942



D.O.T. MALE BRANCH TEE

Tube Size	Pipe Size	Parker Part No.	Part No.
5/32	1/8	172PTCNS-5/32-2	F75142
3/16	1/8	172PTCNS-3-2	F76067
1/4	1/8	372PTC-4-2	F76589
1/4	1/4	372PTC-4-4	F7189
1/4	3/8	372PTC-4-6	F7789
3/8	1/4	372PTC-6-4	F74037
3/8	3/8	372PTC-6-6	F77255
1/2	1/4	372PTC-8-4	F76697
1/2	3/8	372PTC-8-6	F76671
1/2	1/2	372PTC-8-8	F76395



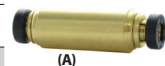
D.O.T. FEMALE CONNECTOR

Tube Size	Pipe Size	Parker Part No.	Part No.
5/32	1/8	66PTC-5/32-2	F78084
5/32	1/4	66PTC-5/32-4	F71824
3/16	1/8	66PTC-3-2	F76918
1/4	1/8	66PMT-4-2	F76298
1/4	1/4	66PMT-4-4	F73126
3/8	1/4	66PMT-6-4	F77740
3/8	3/8	66PMT-6-2	F7255



D.O.T. UNION

Tube Size	Style	Parker Part No.	Part No.
5/32	A	62PTC-5/32	F75333
3/16	A	62PTC-3	F73404
1/4	B	32PTC-4	F74922
3/8	B	32PTC-6	F73371
1/2	B	32PTC-8	F76866
5/8	B	32PTC-10	F79629
3/4	B	32PTC-12	F79630



D.O.T. UNION Y

Tube Size	Parker Part No.	Part No.
1/4	362PTC-4	F77304
3/8	362PTC-6	F72513



D.O.T. UNION ELBOW

Tube Size	Parker Part No.	Part No.
5/32	165PTC-5/32	F77751
3/16	165PTC-3	F74931
1/4	365PTC-4	F73182
3/8	365PTC-6	F75248
1/2	365PTC-8	F74371



D.O.T. UNION TEE

Tube Size	Parker Part No.	Part No.
5/32	164PTC-5/32	F74272
3/16	164PTC-3	F74227
1/4	364PTC-4	F72353
3/8	364PTC-6	F73125
1/2	364PTC-8	F7329



PVC FITTINGS — SCHEDULE 40

- **Material:** PVC Type I, cell classification 12454
- **Color:** White
- **Maximum Operating Temperature:** 140°F

- **Conforms To:** ASTM D2466
- **Made in U.S.A**

Important Note: NOT FOR USE WITH COMPRESSED AIR OR GASES

TEE SOC



Size	Spears Part No.	Part No.
1/2	401-005	F78268
3/4	401-007	F76390
1	401-010	F71836
1-1/4	401-012	F72022
1-1/2	401-015	F7744
2	401-020	F76676

TEE SOC X FIPT



Size	Spears Part No.	Part No.
1/2	402-005	F74010
3/4	402-007	F77511
1	402-010	F75734
1-1/4	402-012	F74322
1-1/2	402-015	F74829
2	402-020	F71807

90° ELBOW SOC



Size	Spears Part No.	Part No.
1/2	406-005	F76429
3/4	406-007	F71065
1	406-010	F71539
1-1/4	406-012	F75706
1-1/2	406-015	F74258
2	406-020	F7203

45° ELBOW SOC



Size	Spears Part No.	Part No.
1/2	417-005	F71975
3/4	417-007	F74797
1	417-010	F73375
1-1/4	417-012	F77178
1-1/2	417-015	F71754
2	417-020	F74696

90° ELBOW SOC X FIPT



Size	Spears Part No.	Part No.
1/2	407-005	F74017
3/4	407-007	F76717
1	407-010	F74675
1-1/4	407-012	F75244
1-1/2	407-015	F76292
2	407-020	F71854

90° ELBOW FIPT



Size	Spears Part No.	Part No.
1/2	408-005	F7468

COUPLING SOC



Size	Spears Part No.	Part No.
1/2	429-005	F74758
3/4	429-007	F75052
1	429-010	F74418
1-1/4	429-012	F7698
1-1/2	429-015	F72495
2	429-020	F74261

REDUCER COUPLING SOC



Size	Spears Part No.	Part No.
3/4 x 1/2	429-101	F72454
1 x 3/4	429-131	F75536

REDUCER BUSHING FLUSH STYLE SPIG X SOC



Size	Spears Part No.	Part No.
3/4 x 1/2	437-101	F75882
1 x 1/2	437-130	F74419
1 x 3/4	437-131	F72282
1-1/4 x 1/2	437-166	F73497

PLUG SOC



Size	Spears Part No.	Part No.
1/2	449-005	F75256
3/4	449-007	F72121
1	449-010	F71888
1-1/2	449-015	F71213

FEMALE ADAPTER FIPT X SOC



Size	Spears Part No.	Part No.
1/2	435-005	F75549
3/4	435-007	F74453
1	435-010	F74051
1-1/4	435-012	F7150
1-1/2	435-015	F71436
2	435-020	F73661

MALE ADAPTER MIPT X SOC



Size	Spears Part No.	Part No.
1/2	436-005	F75960
3/4	436-007	F71832
1	436-010	F71787
1-1/4	436-012	F73621
1-1/2	436-015	F78005
2	436-020	F75077

CAP SOC



Size	Spears Part No.	Part No.
1/2	447-005	F72727
3/4	447-007	F71425
1	447-010	F71531
1-1/4	447-012	F7376
1-1/2	447-015	F76574
2	447-020	F75476

CAP FIPT



Size	Spears Part No.	Part No.
1/2	448-005	F76281
3/4	448-007	F7882
1	448-010	F71102
1-1/4	448-012	F74276
1-1/2	448-015	F72318
2	448-020	F73151

REDUCER BUSHING MIPT X FIPT



Size	Spears Part No.	Part No.
3/4 x 1/2	439-101	F7301
1 x 3/4	439-131	F75531

PVC FITTINGS — SCHEDULE 40 (continued)

PLUG MIPT



Size	Spears Part No.	Part No.
3/8	450-003	F71244
1/2	450-005	F73124
3/4	450-007	F78270
1	450-010	F71355
1-1/4	450-012	F77206
1-1/2	450-015	F78033

UNION FIPT WITH BUNA-N O-RING SEAL



Size	Spears Part No.	Part No.
1/2	458-005	F73291
3/4	458-007	F78028
1	458-010	F793

UNION SOC WITH BUNA-N O-RING SEAL



Size	Spears Part No.	Part No.
3/4	457-007	F72789
1-1/4	457-012	F72269
1-1/2	457-015	F76729
2	457-020	F76531

PVC FITTINGS — SCHEDULE 80

- **Material:** PVC Type I, cell classification 12454
- **Color:** Dark Gray
- **Maximum Operating Temperature:** 140°F

- **Conforms To:** ASTM D2467
- **Made in U.S.A**

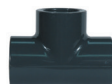
Important Note: NOT FOR USE WITH COMPRESSED AIR OR GASES

TEE SOC



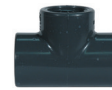
Size	Spears Part No.	Part No.
1/2	801-005	F76674
3/4	801-007	F75759
1	801-010	F77164
1-1/4	801-012	F78058
1-1/2	801-015	F77326
2	801-020	F72595

TEE SOC X FIPT



Size	Spears Part No.	Part No.
1/2	802-005	F71892
3/4	802-007	F76486
1	802-010	F75251
2	802-020	F74337

TEE FIPT



Size	Spears Part No.	Part No.
1/2	805-005	F71764
3/4	805-007	F7748
1	805-010	F77081
1-1/4	805-012	F72317
1-1/2	805-015	F7304

90° ELBOW SOC



Size	Spears Part No.	Part No.
1/2	806-005	F7508
3/4	806-007	F77815
1	806-010	F7662
1-1/4	806-012	F77699
1-1/2	806-015	F73540
2	806-020	F76291

90° ELBOW FIPT



Size	Spears Part No.	Part No.
1/2	808-005	F76464
3/4	808-007	F72192
1	808-010	F78037
1-1/4	808-012	F72459
1-1/2	808-015	F72027
2	808-020	F77605

90° ELBOW SOC X FIPT



Size	Spears Part No.	Part No.
1/2	807-005	F73332
3/4	807-007	F71968
1	807-010	F75758
1-1/4	807-012	F7288
2	807-020	F777

45° ELBOW SOC



Size	Spears Part No.	Part No.
1/2	817-005	F72411
3/4	817-007	F73039
1	817-010	F76226
1-1/4	817-012	F74851
1-1/2	817-015	F72854
2	817-020	F72517

45° ELBOW FIPT



Size	Spears Part No.	Part No.
3/4	819-007	F72921
1	819-010	F73974

REDUCER BUSHING FLUSH STYLE MIPT X FIPT



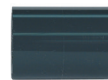
Size	Spears Part No.	Part No.
3/4 x 1/2	839-101	F75394
1 x 3/4	839-131	F74912
1-1/4 x 1	839-168	F72102
1-1/2 x 1	839-211	F72658
1-1/2 x 1-1/4	839-212	F76264
2 x 1/2	839-247	F74391
2 x 1	839-249	F72705

PVC FITTINGS — SCHEDULE 80 (continued)



**REDUCER BUSHING FLUSH STYLE
SPIG X SOC**

Size	Spears Part No.	Part No.
3/4 x 1/2	837-101	F7119
1 x 1/2	837-130	F77648
1 x 3/4	837-131	F77805
1-1/4 x 1/2	837-166	F71428
1-1/4 x 3/4	837-167	F73458
1-1/4 x 1	837-168	F74612
1-1/2 x 1/2	837-209	F72419
1-1/2 x 3/4	837-210	F76050
1-1/2 x 1	837-211	F75915
1-1/2 x 1-1/4	837-212	F72435
2 x 1/2	837-247	F73573
2-3/4	837-248	F7151
2 x 1	837-249	F73076
2 x 1-1/4	837-250	F7798
2 x 1-1/2	837-251	F74112



COUPLING SOC

Size	Spears Part No.	Part No.
1/2	829-005	F73783
3/4	829-007	F75007
1	829-010	F75570
1-1/4	829-012	F76504
1-1/2	829-015	F74864
2	829-020	F77031



REDUCER COUPLING SOC

Size	Spears Part No.	Part No.
3/4 x 1/2	829-101	F76796
1 x 1/2	829-130	F76251
1 x 3/4	829-131	F71924
1-1/4 x 1	829-168	F7725
1-1/2 x 1	829-211	F73924
1-1/2 x 1-1/4	829-212	F73402
2 x 1	829-249	F74940
2 x 1-1/2	829-251	F77769



COUPLING FIPT

Size	Spears Part No.	Part No.
1/2	830-005	F74330
3/4	830-007	F73978
1	830-010	F7351
1-1/4	830-012	F75055
1-1/2	830-015	F72720
2	830-020	F7125



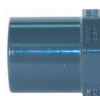
CAP SOC

Size	Spears Part No.	Part No.
1/2	847-005	F74936
3/4	847-007	F72996
1	847-010	F74233
1-1/4	847-012	F74479
1-1/2	847-015	F73902
2	847-020	F74839



CAP FIPT

Size	Spears Part No.	Part No.
1/2	848-005	F76317
1	848-010	F75305



PLUG SPIG

Size	Spears Part No.	Part No.
1/2	849-005	F76008
3/4	849-007	F75189
1	849-010	F77644
1-1/2	849-015	F73382



PLUG MIPT

Size	Spears Part No.	Part No.
1/2	850-005	F76730
3/4	850-007	F73448
1	850-010	F71908
1-1/4	850-012	F7372
1-1/2	850-015	F75697
2	850-020	F72365



**SCHEDULE 80 PVC
OLD STYLE UNION**

Size	Spears Part No.	Part No.
1/2	857-005	F72618
3/4	857-007	F75981
1	857-010	F71019
1-1/2	857-015	F71094
2	857-020	F74789



**UNION SOC WITH
VITON O-RING SEAL**

Size	Spears Part No.	Part No.
1/2	8057-005	F77895
3/4	8057-007	F78223
1	8057-010	F73791
1-1/4	8057-012	F77546
1-1/2	8057-015	F71497
2	8057-020	F72156



**UNION SOC WITH
EPDM O-RING SEAL**

Size	Spears Part No.	Part No.
1/2	8097-005	F74509
3/4	8097-007	F73304
1	8097-010	F74149
1-1/4	8097-012	F75319
1-1/2	8097-015	F72120
2	8097-020	F76460



**UNION FIPT WITH
VITON O-RING SEAL**

Size	Spears Part No.	Part No.
1/2	8058-005	F77614
1	8058-010	F71592
1-1/4	8058-012	F72883
2	8058-020	F72874

PVC FITTINGS — SCHEDULE 80 (continued)

UNION FIPT WITH EPDM O-RING SEAL



Size	Spears Part No.	Part No.
1	8098-010	F77420
1-1/4	8098-012	F75265
1-1/2	8098-015	F72394

MALE ADAPTER MIPT X SOC



Size	Spears Part No.	Part No.
1/2	836-005	F75044
3/4	836-007	F75543
1	836-010	F72333
1-1/4	836-012	F73686
1-1/2	836-015	F7485
2	836-020	F72604

FEMALE ADAPTER FIPT X SOC



Size	Spears Part No.	Part No.
3/8	835-003	F75412
1/2	835-005	F73852
3/4	835-007	F7526
1	835-010	F72908
1-1/4	835-012	F77834
1-1/2	835-015	F73299
2	835-020	F74687

PVC SCHEDULE 80 NIPPLE



Size	Spears Part No.	Part No.	Size	Spears Part No.	Part No.
1/2 Close	882-005	F75623	1 x 3	884-030	F71582
1/2 x 1-1/2	882-015	F76315	1 x 4	884-040	F7163
1/2 x 2	882-020	F77535	1 x 6	884-060	F7920
1/2 x 3	882-030	F78153	1-1/4 Close	885-005	F74431
1/2 x 4	882-040	F73206	1-1/4 x 4	885-040	F78271
1/2 x 5	882-050	F75183	1-1/4 x 6	885-060	F74126
1/2 x 6	882-060	F71043	1-1/2 Close	886-005	F72386
3/4 Close	883-005	F73430	1-1/2 x 3	886-030	F71500
3/4 x 1-1/2	883-015	F78012	1-1/2 x 4	886-040	F76753
3/4 x 2	883-020	F72606	1-1/2 x 6	886-060	F7564
3/4 x 3	883-030	F76798	2 Close	887-005	F72139
3/4 x 4	883-040	F75701	1-1/2 x 4	886-040	F76753
3/4 x 5	883-050	F78066	1-1/2 x 5	886-050	F75934
3/4 x 6	883-060	F78030	1-1/2 x 6	886-060	F7564
1 Close	884-005	F73201	2 x 4	887-040	F76880
1 x 2	884-050	F74774	2 x 5	887-050	F77348

FLANGE ONE PIECE SOC



Size	Spears Part No.	Part No.
3/4	851-007	F74792
1	851-010	F72522
1-1/2	851-015	F76145
2	851-020	F74069

7

PVC VALVES

PVC UTILITY BALL VALVES

Size	Spears Part No. Socket	Part No. Socket
3/4	2622-007	F71040
1	2622-010	F76919
2	2622-020	F73490

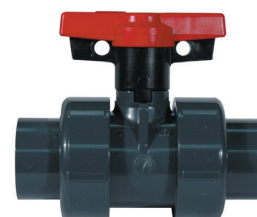
- Pressure rating @ 73°F water - 150 psi
- Maximum operating temperature 140°F
- Made in USA
- Use with Schedule 40 PVC



PVC TRUE UNION BALL VALVE WITH VITON O-RING SEAL THREADED AND SOC ENDS

Size	Spears Part No.	Part No.
1/2	1839-005	F74726
3/4	1839-007	F75518
1-1/4	1839-014	F77839
1	1839-010	F77981
2	1839-020	F74708

- Pressure rating @ 73°F water - 235 psi
- Maximum service temperature 140°F
- Rated for vacuum service
- Use with Schedule 80 PVC



TUBING — NYLON

NYLON TUBING

Size	Working Pressure at 75°F	Part No.
1/8	225 PSI	F7688
5/32	250 PSI	F77375
3/16	250 PSI	F77626
1/4	250 PSI	F78069
3/8	250 PSI	F7136
1/2	250 PSI	F73298

- Temperature range -60°F to +200°F
- Lightweight / low moisture absorption rate
- **Application:** Pneumatic piping, lube lines, fuel lines, chemical transfer
- Use with standard push-to-connect and compression fittings
- **Color:** Natural
- **100 ft. Rolls**

Size	Working Pressure at 75°F	Part No.
M4	250 PSI	F7543
M5	250 PSI	F76746
M6	250 PSI	F72785
M8	250 PSI	F77639
M10	250 PSI	F71799
M12	250 PSI	F75235



TUBING — POLYETHYLENE

POLYETHYLENE TUBING

Size	Working Pressure at 70°F	Part No.
1/8 x 100'	150 PSI	F79572
1/4 x 100'	150 PSI	F73890
1/4 x 500'	150 PSI	F74762
5/16 x 100'	135 PSI	F78181

- Temperature range -50°F to + 140°F
- **Applications:** Non-toxic / perfect for food, water and beverage piping
- Use with barb-type, push-to-connect or compression fittings
- **Color:** Natural
- **100 ft. and 500 ft. rolls**

Size	Working Pressure at 70°F	Part No.
3/8 x 100'	125 PSI	F73601
3/8 x 500'	125 PSI	F7424
1/2 x 100'	100 PSI	F77434
1/2 x 500'	100 PSI	F78110



TUBING — POLYURETHANE

POLYURETHANE TUBING

Size	Clear Part No.	Red Part No.	Blue Part No.
1/8	F76409		
5/32	F77554		
1/4	F75807	F76691	F75811
3/8	F77118	F75823	F72040

- Working pressure at 70 PSI: 140 PSI
- **Temperature range:** -68°F to + 140°F
- Highly abrasive resistant and non-marking
- Applications: Air and water lines, robotics, car wash and painting equipment
- Use with barb-tite, push-to-connect or compression fittings
- **100 ft. Rolls**



TYGON R-3603 LABORATORY TUBING

Size	O.D.	Wall	Part No.
1/32	3/32	1/32	F74138
1/16	1/8	1/32	F76667
3/32	5/32	1/32	F75630
1/8	3/16	1/32	F72399
3/16	1/4	1/32	F72738
1/4	3/8	1/16	F76397
3/8	1/2	1/16	F71842

- Outstanding chemical resistance
- Flexible and long-lasting
- Non-oxidizing and non-aging
- Remains flexible at temperatures as low as -45°F
- Application: Laboratory Tubing
- **50' Rolls**



TUBING — POLYURETHANE (continued)

TYGON F-4040-A FUEL AND LUBRICANT TUBING

Size	O.D.	Wall	Part No.
3/16	5/16	1/16	F76942
1/4	3/8	1/16	F73053
3/8	1/2	1/16	F77033
1/2	5/8	1/16	F78334

- Flexible
- Resists swelling and brightness
- Easy-to-identify, translucent yellow
- Applications: petroleum/alcohol blends, transporting gasoline, heating oil, kerosene and glycol-based coolants
- **50' Rolls**
- **Not for use with strong acids or alkalis**



HOSES — BRAIDED POLYURETHANE

POLYETHYLENE BRAIDED HOSE

Size	Part No.
1/4" Hose x 1/4" NPT x 50'	F71877
3/8" Hose x 1/4" NPT x 50'	F74462

- Durable - lightweight - excellent flexibility
- 210 PSI working pressure @ 70°F
- **Working temperature:** -40°F to 155°F
- **Color:** Clear blue



HOSES — LOW PRESSURE THERMOPLASTIC

LOW PRESSURE THERMOPLASTIC HOSE

Hose I.D.	Hose O.D.	Work Pres. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radii	Eaton No.	Part No. Per 50' Roll
1/4	29/64	250	1000	1	H28504	F71713
3/8	19/32	225	900	1-1/4	H28506	F77192
1/2	3/4	200	800	2	H28508	F75615
3/4	1-1/32	150	600	2-1/2	H28512	F75829
1	1-5/16	125	500	3-1/2	H28516	F7494



- **Typical Application:** Suitable for agricultural and food applications, NSF51 and FDA certified
- **Inner Tube:** Clear PVC
- **Reinforcement:** 2 fiber spirals
- **Cover:** clear PVC
- **Temperature Range:** +25

TUBING — NYLON D.O.T.

Typical Applications: Tractor, trailer and other mobile air brake instrumentation and air accessory systems.

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

Conformance: SAE J844 Type A and Type B specifications and SAE J1131 performance requirements. Meets D.O.T. FMVSS 106 (1/8" not listed in FMVSS 106).

Maximum Working Pressure: 150 PSI

Tube O.D.	Type	Color	Min. Bend Radius	Part No.
1/8"	A	Black	3/8"	F77800
5/32"	A	Black	1/2"	F76909
5/32"	A	Green	1/2"	F73367
3/16"	A	Black	1/2"	F7791
1/4"	A	Black	1"	F7243
1/4"	A	Blue	1"	F72374
1/4"	A	Red	1"	F72118
1/4"	A	Yellow	1"	F72821
1/4"	A	Green	1"	F76391
1/4"	A	Orange	1"	F72728
1/4"	A	White	1"	F74096
1/4"	A	Brown	1"	F76678
3/8"	B	Black	1-1/2"	F72355
3/8"	B	Blue	1-1/2"	F76065
3/8"	B	Green	1-1/2"	F71109

Tube O.D.	Type	Color	Min. Bend Radius	Part No.
3/8"	B	Red	1-1/2"	F77591
3/8"	B	Yellow	1-1/2"	F73191
3/8"	B	Orange	1-1/2"	F76839
3/8"	B	White	1-1/2"	F72401
3/8"	B	Brown	1-1/2"	F73860
1/2"	B	Orange	2"	F78894
1/2"	B	Black	2"	F73748
1/2"	B	Blue	2"	F76658
1/2"	B	Green	2"	F77932
1/2"	B	Red	2"	F75588
1/2"	B	Yellow	2"	F7310
5/8"	B	Black	2-1/2"	F75260
5/8"	B	Green	2-1/2"	F74568
5/8"	B	Red	2-1/2"	F75837
3/4"	B	Black	3"	F72176



- **100 ft. Rolls**

HOSE — CUTTER

F82433
For rubber hoses
up to 1-1/8" Dia.
For extra blades
order Part No. 694.1001



FIELD ATTACHABLE COUPLINGS — 009 "B" SERIES

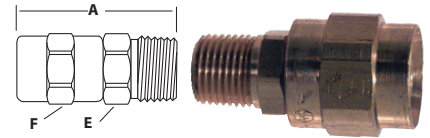
HOSE END SERIES: 009 'B' SERIES

- **Typical Application:** Low Pressure air, lube and oil lines.
- **Compatible Hoses:** H009.
- **Pressure:** Determined by maximum working pressure for hose size.
- **Material:** CA360 brass
- **Advantages:** Reusable and easy to assemble. An excellent fitting where low pressure applications exist and a clamp may get in the way. Good selection of configurations at a reasonable cost.

Assembly Instructions:

1. Lubricate insert threads and I.D. of hose
2. Push hose into socket until it bottoms.
3. Screw insert into socket until insert hex touches socket. When assembling swivel ends, leave 1/32" clearance between swivel nut and socket.

EATON | Weatherhead



For use with General Purpose Hose —
897.009 Series

MALE PIPE RIGID

Hose I.D.	Pipe Size	Thread Size	A	Hose Cut-Off Factor	Hole Dia	Hex E	Hex F	Eaton Part No.	Part No.
1/4	1/8	1/8-27	1.20	3/4	.172	7/16	5/8	00904B-102	F72680
1/4	1/4	1/4-18	1.39	15/16	.172	9/16	5/8	00904B-104	F790

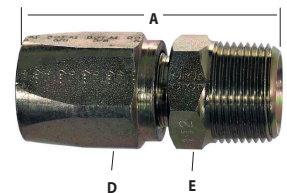
FIELD ATTACHABLE COUPLINGS — 213 "N" SERIES

- **Typical Application:** Medium pressure and high temperature hose lines for a variety of applications including truck, industrial and small engines where high temperatures exist
- **Pressure:** Determined by maximum working pressure of hose used
- **Compatible hose:** H213
- **Material:** AISI/SAE 12L14, carbon steel
- **Plating:** Zinc; Yellow Dichromate Finish
- **Advantages:** Very popular in heavy-duty truck markets. Good selection of hose ends

Assembly Instructions:

1. Lubricate insert threads and I.D. of hose
2. Screw hose into socket (left-hand thread) until hose bottoms. Back out 1/4" turn
3. Screw insert into socket until insert touches socket

EATON | Weatherhead



For use with H213
Truck Hose — 897.213 Series

MALE PIPE

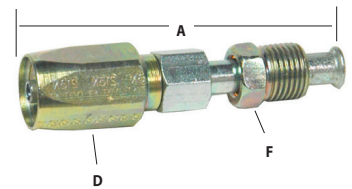
Hose I.D.	Pipe Size	Thread Size	A	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
3/16	1/8	1/8-27	1.59	15/16	9/16	7/16	21304N-102	F71825
3/16	1/4	1/4-18	1.78	1-1/8	9/16	9/16	21304N-104	F75783
5/16	3/8	3/8-18	1.96	1-3/16	3/4	11/16	21306N-106	F7396
13/32	1/2	1/2-14	2.36	1-7/16	7/8	7/8	21308N-108	F7202
1/2	1/2	1/2-14	2.45	1-7/16	1	7/8	21310N-108	F7344
5/8	3/4	3/4-14	2.56	1-1/2	1-1/8	1-1/16	21312N-112	F7176
7/8	1	1-11-1/2	2.71	1-11/16	1-3/8	1-3/8	21316N-116	F73563

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

INVERTED MALE SWIVEL STRAIGHT

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor*	Hex D	Hex F	Eaton No.	Part No.
3/16	1/4	7/16-24	2.43	1-11/16	9/16	7/16	21304N-B04	F7640
1/4	5/16	1/2-20	2.47	1-3/4	5/8	1/2	21305N-B05	F72231
5/16	1/4	7/16-24	2.50	1-5/8	3/4	7/16	21306N-B04	F75546
5/16	5/16	1/2-20	2.57	1-3/4	3/4	1/2	21306N-B05	F76432
5/16	3/8	5/8-18	2.74	1-7/8	3/4	5/8	21306N-B06	F78309
13/32	1/2	3/4-18	3.26	2-1/4	7/8	3/4	21308N-B08	F76974

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

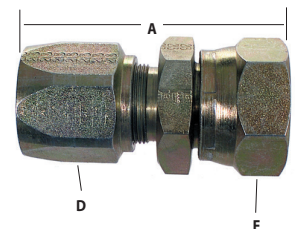


SAE 45° FEMALE SWIVEL STRAIGHT

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor*	Hex D	Hex F	Eaton No.	Part No.
3/16**	1/4	7/16-20	1.92	1-1/4	9/16	9/16	21304N-604	F76256
5/16	3/8	5/8-18	2.14	1-3/8	3/4	3/4	21306N-406	F72827
13/32**	1/2	3/4-16	2.49	1-1/2	7/8	7/8	21308N-608	F71623
1/2**	5/8	7/8-14	2.69	1-5/8	1	1	21310N-610	F73725

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

** Dual Seat Coupling - Fits both JIC 37° and SAE 45°

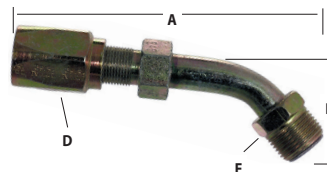


FIELD ATTACHABLE COUPLINGS — 213 “N” SERIES (continued)

INVERTED MALE SWIVEL 45° ELBOW

Hose I.D.	Tube Size	Thread Size	A	B	Hose Cut-Off Factor*	Hex D	Hex F	Eaton No.	Part No.
5/16	3/8	5/8-18	3.26	.94	2-3/8	3/4	5/8	21306N-E46	F73522
13/32	1/2	3/4-18	3.70	.94	2-5/8	7/8	3/4	21308N-E48	F77305

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

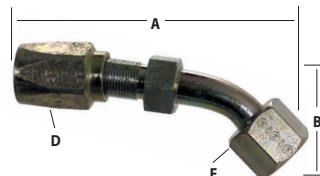


SAE 37° FEMALE SWIVEL 45° ELBOW

Hose I.D.	Tube Size	Thread Size	A	B	Hose Cut-Off Factor*	Hex D	Hex F	Eaton No.	Part No.
3/16*	1/4	7/16-20	2.34	.33	1-5/8	9/16	7/16	21304N-684	F74947
5/16	3/8	5/8-18	2.85	.39	1-13/16	3/4	3/4	21306N-686	F73224
13/32*	1/2	3/4-16	3.13	.55	2-1/8	7/8	7/8	21308N-688	F77007

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

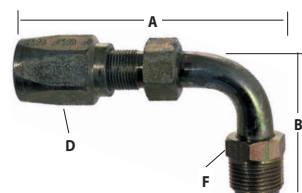
*Swivel nuts are universal - both SAE 37° and 45° connections



INVERTED MALE SWIVEL 90° ELBOW

Hose I.D.	Tube Size	Thread Size	A	B	Hose Cut-Off Factor*	Hex D	Hex F	Eaton No.	Part No.
3/16	1/4	7/16-24	1.69	1.36	1-1/2	9/16	7/16	21304N-E04	F71340
5/16	1/4	7/16-24	2.58	1.65	1-3/4	3/4	7/16	21306N-E04	F72292
5/16	3/8	5/8-18	2.82	1.97	2	3/4	5/8	21306N-E06	F7271
13/32	1/2	3/4-18	2.78	1.69	1-13/16	7/8	3/4	21308N-E08	F75091

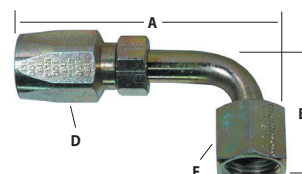
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



SAE 45° FEMALE SWIVEL 90° TUBE ELBOW

Hose I.D.	Tube Size	Thread Size	A	B	Hose Cut-Off Factor*	Hex D	Hex F	Eaton No.	Part No.
5/16	3/8	5/8-18	2.48	.85	1-5/8	3/4	11/16	21304N-N466	F76851

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

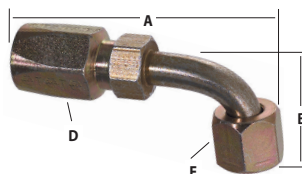


SAE 37° FEMALE SWIVEL 90° TUBE ELBOW

Hose I.D.	Tube Size	Thread Size	A	B	Hose Cut-Off Factor*	Hex D	Hex F	Eaton No.	Part No.
3/16**	1/4	7/16-20	2.16	.68	1-7/16	9/16	9/16	21304N-664	F76927
5/16	3/8	9/16-18	2.61	.85	1-13/16	3/4	11/16	21306N-666	F71481
13/32**	1/2	3/4-16	2.91	1.09	1-15/16	7/8	7/8	21308N-668	F78029

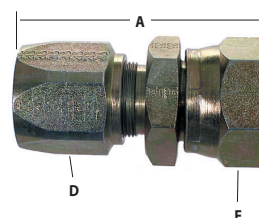
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

** Dual Seat Coupling - Fits both JIC 37° and SAE 45°



JIC 37° FEMALE SWIVEL

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
5/16	3/8	9/16-18	2.20	1.38	3/4	11/16	21306N-606	F74883
5/8	3/4	1-1/16-12	2.91	1-3/4	1-1/8	1-1/4	21312N-612	F75631
7/8	1	1-5/16-12	2.95	1-7/8	1-3/8	1-1/2	21316N-616	F71829



FIELD ATTACHABLE COUPLINGS — 247 “N” SERIES

- **Hose End Series:** Field attachable 247 “N” Series
- **Typical Application:** Medium pressure and high temperature hose lines for a variety of applications including truck, industrial and small engine where temperature may be a problem
- **Compatible Hose:** H059, H069, H169, H229, H569
- **Pressure:** Determined by maximum working pressure for hose size and hose end configuration whichever is lesser
- **Material:** AISI/SAE 12L carbon steel

- **Plating:** Zinc; Yellow Dichromate Finish
- **DOT approved**
- **Advantages:** Very popular in heavy-duty truck markets. Good selection of hose ends. Compatible with a wide variety of hose types. Non-mandrel assembly

Assembly Instructions:

1. Lubricate insert threads and I.D. of hose
2. Screw hose into socket (left-hand thread) until bottoms. Back out 1/4” turn
3. Screw insert into socket until insert touches socket

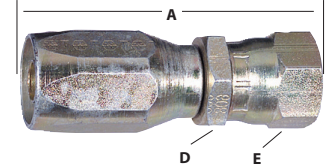
EATON | Weatherhead

JIC 37° FEMALE SWIVEL

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
3/16**	1/4	7/16-20	2.01	1-5/16	5/8	9/16	24704N-604	F72025
1/4**	5/16	1/2-20	2.19	1-1/2	11/16	5/8	24705N-605	F74541
5/16**	1/4	7/16-20	2.19	1-5/16	13/16	9/16	24706N-604	F77087
5/16**	5/16	1/2-20	2.38	1-5/16	13-16	5/8	24706N-605	F77873
5/16	3/8	9/16-18	2.35	1-1/2	13/16	11/16	24706N-606	F72125
5/16**	1/2	3/4-16	2.45	1-9/16	1-1/8	7/8	24706N-608	F72053
13/32**	1/2	3/4-16	2.82	1-3/4	15/16	7/8	24708N-608	F77682
1/2**	1/2	3/4-16	3.04	1-3/4	1-1/8	7/8	24710N-608	F74249
1/2**	5/8	7/8-14	3.04	1-3/4	1-1/8	1	24710N-610	F77273
5/8	3/4	1-1/16-12	3.46	1-15/16	1-1/4	1-1/4	24712N-612	F77042
7/8	1	1-5/16-12	3.21	2	1-7/16	1-1/2	24716N-616	F73059

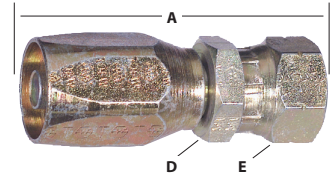
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

** Dual Seat Coupling - Fits both JIC 37° and SAE 45°



Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
5/16	3/8	5/8-18	2.28	1-3/8	13/16	3/4	24706N-406	F75093
13/32	3/8	5/8-18	2.65	1-9/16	15/16	3/4	24708N-406	F78324
5/8	3/4	1-1/16-14	3.54	2	1-1/4	1-1/4	24712N-412	F72060

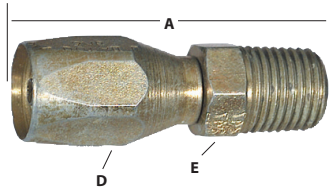
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



MALE PIPE RIGID

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
3/16	1/8	1/8-27	1.71	1	5/8	7/16	24704N-102	F7767
3/16	1/4	1/4-18	1.91	1-3/16	5/8	9/16	24704N-104	F77711
5/16	3/8	3/8-18	2.11	1-1/4	13/16	11/16	24706N-106	F71082
13/32	1/2	1/2-14	2.71	1-5/8	15/16	7/8	24708N-108	F74507

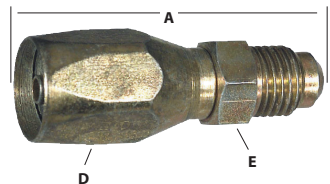
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



JIC 37° MALE RIGID

Hose I.D.	Pipe Size	Thread Size	A	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
3/16	1/4	7/16-20	1.91	1-3/16	5/8	1/2	24704N-504	F72234
5/16	3/8	9/16-18	2.13	1-1/4	13/16	5/8	24706N-506	F71803
13/32	1/2	3/4-16	2.64	1-9/16	15/16	13/16	24708N-508	F71290
1/2	5/8	7/8-14	2.92	1-11/16	1-1/8	15/16	24710N-510	F73941

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

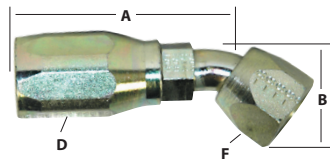


JIC 37° FEMALE SWIVEL 45° TUBE ELBOW

Hose I.D.	Tube Size	Thread Size	A	B	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
3/16	1/4	7/16-20	2.45	.33	1-3/4	5/8	9/16	24704N-684	F7283
5/16	3/8	9/16-18	2.78	.39	1-7/8	13/16	11/16	24706N-686	F73068
13/32	1/2	3/4-16	3.46	.55	2-5/16	15/16	7/8	24708N-688	F7161
1/2	5/8	7/8-14	3.86	.63	2-5/8	1-1/8	1	24710N-690	F75231

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

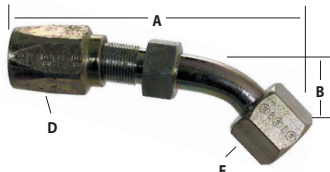
** Dual Seat Coupling - Fits both JIC 37° and SAE 45°



SEA 45° FEMALE SWIVEL 45° TUBE ELBOW

Hose I.D.	Tube Size	Thread Size	A	B	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
5/16	3/8	5/8-18	2.82	.39	1-15/16	13/16	3/4	24706N-486	F72711

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



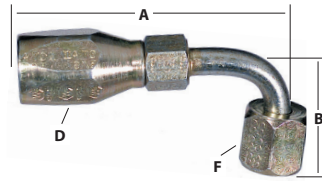
FIELD ATTACHABLE COUPLINGS — 247 “N” SERIES (continued)

JIC 37° FEMALE SWIVEL 90° TUBE ELBOW

Hose I.D.	Tube Size	Thread Size	A	B	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
3/16**	1/4	7/16-20	2.28	.68	1-1/2	5/8	9/16	24704N-664	F750
1/4**	5/16	1/2-20	2.60	.77	1-7/8	11/16	5/8	24705N-665	F71482
5/16**	3/8	9/16-18	2.78	.85	2-7/8	13/16	11/16	24706N-666	F75386
13/32**	1/2	3/4-16	3.20	1.09	2-1/8	15/16	7/8	24708N-668	F75488
1/2	1/2	3/4-16	3.45	1.09	2-1/8	15/16	7/8	24710N-668	F77026
1/2**	5/8	7/8-14	3.63	1.23	2-1/2	1-1/8	1	24710N-670	F76824
5/8	3/4	1-11/16	4.29	1.82	2-13/16	1-1/4	1-1/4	24712N-672	F7320

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

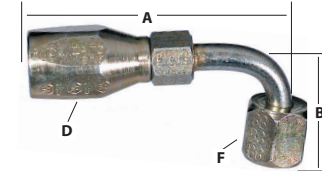
** Dual Seat Coupling - Fits both JIC 37° and SAE 45°



SAE 45° FEMALE SWIVEL 90° TUBE ELBOW

Hose I.D.	Tube Size	Thread Size	A	B	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
5/16	3/8	5/8-18	2.74	.85	1-7/8	13/16	3/4	24706N-466	F76519

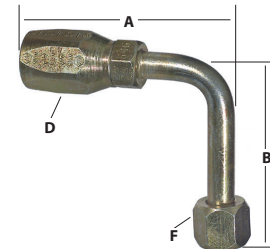
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



JIC 37° FEMALE SWIVEL LONG DROP 90° TUBE ELBOW

Hose I.D.	Tube Size	Thread Size	A	B	Hose Cut-Off Factor*	Hex D	Hex F	Eaton No.	Part No.
5/16	3/8	9/16-18	2.83	2.18	2	13/16	11/16	24706N-646	F72161

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FIELD ATTACHABLE COUPLINGS — 425 “N” SERIES

- Hose End Series:** 425 “N” Series
- Typical Application:** High pressure applications such as construction, farm implement and industrial equipment
- Compatible Hose:** H425
- Pressure:** Determined by maximum pressure for hose size
- Material:** AISI/SAE 12L Carbon Steel
- Plating:** Zinc; Yellow Dichromate finish
- Advantages:** non mandrel assembly. Wide variety of applications because of its use with H425 hose.

Assembly Instructions:

Due to the high torque required to assemble larger sizes, it is recommended that 425 “N” series hose ends be assembled with the T-300 Assembly machine

1. Lubricate insert threads and I.D. of the hose
2. Measure from end of hose and mark the socket depth
3. Screw hose into socket to the depth marked on hose
4. Screw insert into socket until insert touched socket.

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MALE PIPE RIGID

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
1/4	1/4	1/4-18	2.36	1.38	13/16	9/16	42504N-104	F77564
3/8	3/8	3/8-18	2.53	1.38	15/16	11/16	42506N-106	F73579
1/2	1/2	1/2-14	2.83	1.63	1-1/16	7/8	42508N-108	F78104

JIC 37° MALE RIGID

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
1/4	1/4	7/16-20	2.35	1.38	13/16	9/16	42504N-504	F7158
3/8	3/8	9/16-18	2.53	1.38	15/16	5/8	42506N-506	F74296
1/2	1/2	3/4-16	2.74	1.56	1-1/16	13/16	42506N-506	F71488

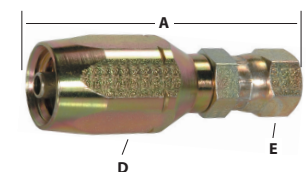
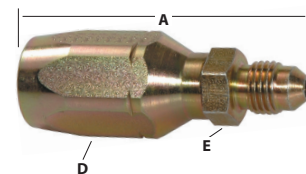
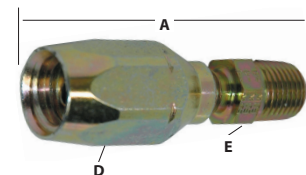
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

JIC 37° FEMALE SWIVEL

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor*	Hex D	Hex E	Eaton No.	Part No.
1/4**	1/4	7/16-20	2.49	1-1/2	13/16	9/16	42504N-604	F71433
1/4	3/8	9/16-18	2.65	1.63	13/16	11/16	42504N-606	F7118
3/8	3/8	9/16-18	2.79	1-5/8	15/16	11/16	42506N-606	F72543
1/2**	1/2	3/4-16	3.01	1-13/16	1-1/16	7/8	42506N-608	F76273
3/8	1/2	3/4-16	2.96	1-31/32	15/16	7/8	42506N-608	F75879
1/2	5/8	7/8-14	3.02	3	1-11/16	1	42506N-610	F7333
1	1	1-5/16-12	4.19	4-3/16	1-3/4	1-1/2	42516N-616	F74118

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

** Dual Seat Coupling - Fits both JIC 37° and SAE 45°



COLL-O-CRIMP COUPLINGS — 338 P-SERIES

EATON | Weatherhead

- **Typical Application:** Air brake hose lines
- **Compatible Hose:** F73 prefix (ECO38)
- **Pressure:** Determined by hose burst pressure
- **Material:** CA360 Brass
- **Advantages:** A permanent hose end saves time and is easy to assemble. Brass material offers excellent resistance against corrosion.
- **Assemble With:** T-400-1 T-410-1 T-420-1 T-440-1, T-460- T-462- T-440- T-465- T-480-

Assemble Instructions:

1. Push collar onto hose until bottomed
2. Push insert into hose until step on insert (or hex) is flush with collar
Note: Swivel fittings require the use of a mandrel or an assembled adapter to push on the insert for assembly. Adapter can be removed after fitting assembly. Light lubricant may be required to assemble fitting into hose.
3. Check for bottoming by checking collar movement along insert. Hose is bottomed when collar cannot slide along insert
4. Depending on Coll-O-Crimp system, follow recommended operating procedures

MALE PIPE RIGID

Hose I.D.	Pipe Size	Thread Size	A	Hose Cut-Off Factor	Hole Dia.	Hex E	Eaton No.	Part No.
3/8	1/4	1/4-18	1.71	.75	.28	9/16	33806P-104	F74823
3/8	3/8	3/8-18	1.72	.81	.28	11/16	33806P-106	F71036
1/2	3/8	3/8-18	1.73	.81	.38	11/16	33808P-106	F75726
1/2	1/2	1/2-14	1.94	1.00	.38	7/8	33808P-108	F76238



MALE PIPE SWIVEL

Hose I.D.	Pipe Size	Thread Size	A	Hose Cut-Off Factor	Hole Dia.	Hex E	Eaton No.	Part No.
3/8	3/8	3/8-18	2.18	.81	.28	9/16	33806P-J06	F71335



AIR BRAKE SWIVEL

Hose I.D.	ABS Size	Thread Size	A	Hose Cut-Off Factor	Hole Dia.	Hex F	Eaton No.	Part No.
3/8	3/8	3/4-20	1.38	1.00	.28	3/4	33806P-Y76	F75198
1/2	3/8	3/4-20	1.38	1.00	.28	3/4	33808P-Y76	F71419



ADAPTER

ABS Size	Pipe Size	Overall Length	ABS Thread Size	Eaton No.	Part No.
3/8	3/8	1.18	3/4-20	1390 x 6 x 6	F74714
3/8	1/2	1.37	3/4-20	1390 x 6 x 8	F73814
1/2	3/8	1.18	7/8-20	1390 x 8	F7895
1/2	1/2	1.37	7/8-20	1390 x 8 x 8	F74911



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COLL-O-CRIMP COUPLINGS — E-SERIES

EATON | Weatherhead

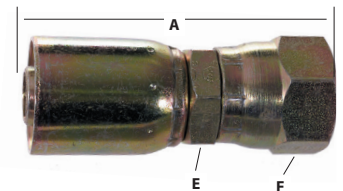
HOSE END SERIES: 'E' SERIES

- **Typical Application:** General Purpose low and medium pressure hydraulics. Use H435 where shock hazard exist
- **Compatible Hose:** H009, H209, H243, H265, H275, H285, H435 and H436
- **Pressure:** Determined by maximum working pressure of hose size
- **Material:** AISI/SAE 12L14, carbon steel
- **Plating:** Zinc yellow dichromate finish
- **Advantages:** Wide selection of hose and end configurations allowing for a diverse number of applications where hose compatibility is a problem

SAE 37° (JIC) FEMALE SWIVEL

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor*	Hex E	Hex F	Eaton No.	Part No.
1/4	1/4	7/16-20	1.92	1-1/8	7/16	9/16	04E-604	F75274
3/8	3/8	5/8-18	2.06	1-1/8	9/16	3/4	06E-606	F75998
1/2	1/2	3/4-16	2.45	1-1/2	3/4	7/8	08E-608	F77559

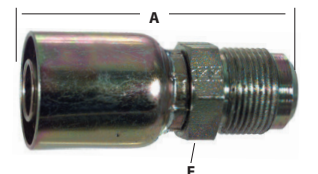
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



SAE 37° (JIC) MALE RIGID

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor*	Hex E	Eaton No.	Part No.
1/4	1/4	7/16-20	1.78	.94	1/2	04E-504	F75791
1/4	5/16	1/2-20	1.78	.94	9/16	04E-505	F71048
3/8	3/8	9/16-18	1.92	1.00	5/8	06E-506	F71984

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



WEATHERHEAD 'Z' SERIES FITTINGS

Hose ID Size	Eaton No.	Part No.
1/4	FF91064-045	F710499
3/8	FF91064-065	F78622
1/2	FF91064-085	F78623



Must be used with Z-series fittings on 897.3130 Prefix Synflex hose

- **Ordering Information:** Orings not supplied with flange hose ends.
- **Typical Application:** General purpose low, medium and high pressure hydraulic.
- **Pressure:** Determined by maximum working pressure for hose size and hose end configuration whichever is less.
- **Material:** Low Carbon Steel
- **Plating:** Trivalent Zinc Plated
- **Advantages:** Wide selection of hose and end configurations allowing a diverse number of applications.
- **Assemble with:** T-400-1, T-410-1, T-420-1, T-440, T-460, T-464, T-465, T-480, ET1000 ET4000, ET4001, ET4020 and ET4040
- **Compatible Hose:** H104, H115, H116, H145, H145R, H190, H190H, H245 H245L, H280, H290, H290H, H290L, H0106, H0105 H345, H350, H400, H421, H425, H1981, H1982, H9949 H1777(-04, -06, -08) H1776 (-04 thru -20) H1571 (-12 only) H6002 (-08, -12, -16) H6008 (-16 & -20) H6009 (-20 only) H9622 (-12, -16, -20) H265 (-04, -06, -08, -12, -16)

MALE PIPE RIGID

Hose Size	Thread Size	A	Hose Cut-Off Factor	E		Weatherhead Part No.	Part No.
1/4	1/8-27	1.84	.092	.17	9/16	04Z-102	F77331
1/4	1/4-18	2.06	1.14	.17	6/16	04Z-104	F77292
1/4	3/8-18	1.90	.098	.17	11/16	04Z-106	F77248
1/4	1/2-14	2.02	1.23	.17	7/8	04Z-108	F72813
3/8	1/4-18	2.18	1.18	.26	11/16	06Z-104	F76861
3/8	3/8-18	2.27	1.28	.26	11/16	06Z-106	F7883
3/8	1/2-14	2.27	1.28	.16	7/8	06Z-108	F72627
1/2	1/4-18	2.40	1.23	.30	13/16	08Z-104	F72881
1/2	3/8-18	2.49	1.32	.38	13/16	08Z-106	F78180
1/2	1/2-14	2.74	1.56	.38	7/8	08Z-108	F76427
1/2	3/4-14	2.56	1.39	.38	1-1/16	08Z-112	F75944
5/8	3/8-18	2.36	1.33	.42	15/16	10Z-106	F79893
5/8	1/2-14	2.74	1.58	.50	15/16	10Z-108	F73581
5/8	3/4-14	2.56	1.40	.50	1-1/16	10Z-112	F72390
3/4	1/2-14	2.78	1.60	.56	1-1/8	12Z-108	F72790
3/4	3/4-14	2.84	1.65	.61	1-1/8	12Z-112	F75610
3/4	1-11/12	2.80	1.61	.61	1-3/8	12Z-116	F75088
1	3/4-14	3.02	1.67	.76	1-3/8	16Z-112	F73742
1	1-11/12	3.22	1.86	.82	1-3/8	16Z-116	F72453
1-1/4	1-1/4-11-1/2	3.52	1.79	1.05	1-13/16	20Z-120	F74874
1-1/2	1-1/2-11-1/2	4.18	2.36	1.26	2	24Z-124	F73798
2	2-11-1/2	4.59	2.61	1.75	2-1/2	32Z-132	F7600

Note: 20Z fittings should only be used with two wire braided hose.

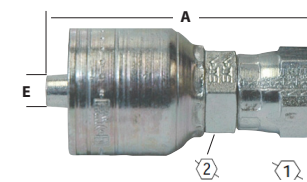
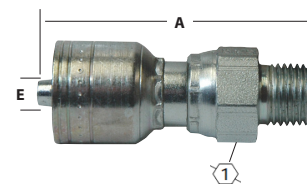
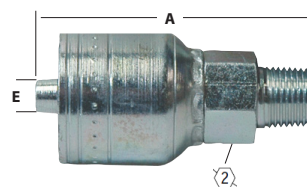
MALE PIPE SWIVEL

Hose Size	Thread Size	A	Hose Cut-Off Factor	E		Weatherhead Part No.	Part No.
1/4	1/4-18	2.54	1.62	.17	3/4	04Z-J04	F788
3/8	1/4-18	2.54	1.67	.26	3/4	06Z-J04	F76712
3/8	3/8-18	2.66	1.67	.26	7/8	06Z-J06	F74183
3/8	1/2-14	2.85	1.85	.26	7/8	06Z-J08	F71952
1/2	3/8-18	2.88	1.71	.38	7/8	08Z-J06	F71565
1/2	1/2-14	3.13	1.96	.38	15/16	08Z-J08	F76266
3/4	3/4-14	3.24	2.05	.31	1-3/8	12Z-J12	F76197
1	1-11/12	3.88	2.53	.81	1-1/2	16Z-J16	F77369

JIC 37° FEMALE SWIVEL

Hose Size	Thread Size	A	Hose Cut-Off Factor	E			Weatherhead Part No.	Part No.
1/4	7/16-20	2.00	1.07	.17	9/16	9/16	04Z-604	F77508
1/4	1/2-20	1.98	1.06	.17	5/8	9/16	04Z-605	F77527
1/4	9/16-18	2.03	1.11	.17	11/16	9/16	04Z-606	F73139
3/8	7/16-20	2.19	1.19	.17	9/16	11/16	06Z-604	F73212
3/8	9/16-18	2.28	1.28	.26	11/16	11/16	06Z-606	F72347
3/8	3/4-16	2.31	1.31	.26	7/8	11/16	06Z-608	F72363
3/8	7/8-14	2.26	.52	.26	1	13/16	06Z-610	F77028
3/8	1/16-12	2.34	1.51	.26	1-1/4	1	06Z-612	F79899
1/2	9/16-18	2.36	1.36	.33	11/16	13/16	08Z-606	F73865
1/2	3/4-16	2.63	1.46	.38	7/8	13/16	08Z-608	F76041
1/2	7/8-14	2.64	1.47	.38	1	13/16	08Z-610	F75441
1/2	1-1/16-12	2.73	1.56	.38	1-1/4	1	08Z-612	F75339
1/2	1-5/16-12	3.06	1.89	.38	1-1/2	1-1/4	08Z-616	F75243
5/8	3/4-16	2.65	1.50	.39	7/8	15/16	10Z-608	F71366
5/8	7/8-14	2.77	1.61	.50	1	15/16	10Z-610	F73806
5/8	1-1/16-12	2.72	1.57	.50	1-1/4	1	10Z-612	F75827
3/4	7/8-14	2.81	1.63	.48	1	1-1/8	12Z-610	F74152
3/4	1-1/16-12	2.84	1.65	.61	1-1/4	1-1/8	12Z-612	F77492
3/4	1-3/16-12	2.84	1.65	.61	1-3/8	1-1/8	12Z-614	F71830
3/4	1-5/16-12	2.91	1.72	.61	1-1/2	1-1/4	12Z-616	F73285
1	1-1/16-12	3.15	1.80	.61	1-1/4	1-3/8	16Z-612	F73501
1	1-3/16-12	3.15	1.83	.81	1-3/8	1-3/8	16Z-614	F710030
1	1-5/16-12	3.29	1.93	.81	1-1/2	1-3/8	16Z-616	F7266
1	1-5/8-12	3.17	1.81	.81	2		16Z-620	F76113
1-1/4	1-5/8-12	3.61	1.88	1.05	2		20Z-620	F7708
1-1/2	1-7/8-12	3.90	2.07	1.26	2-1/4		24Z-624	F76353
2	2-1/2-12	4.34	2.39	1.75	2-7/8		32Z-632	F75950

Note: 20Z fittings should only be used with two wire braided hose.

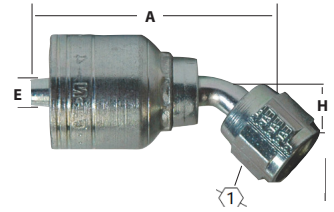


WEATHERHEAD 'Z' SERIES FITTINGS (continued)

JIC 37° FEMALE SWIVEL 45° ELBOW

Hose ID	Thread Size	A	Hose Cut-Off Factor	E	H		Weatherhead Part No.	Part No.
1/4	7/16-20	1.96	1.04	.15	.33	9/16	04Z-684 ^a	F7656
1/4	1/2-20	2.04	1.12	.17	.37	5/8	04Z-685 ^a	F75561
1/4	9/16-18	2.09	1.17	.17	.39	11/16	04Z-686	F77692
3/8	7/16-20	1.75	0.92	0.16	0.33	9/16	06Z-684 ^a	F75006
3/8	9/16-18	2.31	1.31	.24	.39	11/16	06Z-686	F7338
3/8	3/4-16	2.65	1.66	.26	.55	7/8	06Z-688 ^a	F73709
1/2	3/4-16	2.82	1.65	.37	.55	7/8	08Z-688 ^a	F76978
1/2	7/8-14	3.03	1.86	.38	.59	1	08Z-690 ^a	F75926
5/8	7/8-14	2.94	1.79	.46	.59	1	10Z-690 ^a	F73564
5/8	1-1/16-12	3.38	2.22	.50	.78	1-1/4	10Z-692	F77787
3/4	1-1/16-12	3.43	2.24	.58	.78	1-1/4	12Z-692	F76366
3/4	1-5/16-12	3.43	2.37	.61	1.06	1-1/2	12Z-696	F710017
1	1-5/16-12	3.74	2.39	.76	1.07	1-1/2	16Z-696	F75939
1-1/4	1-5/8-12	4.44	2.71	1.01	1.22	2	20Z-697	F77902

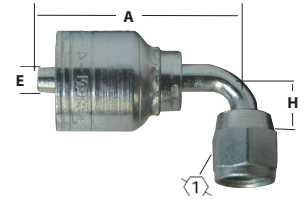
Note: 20Z fittings should only be used with two wire braided hose. a Swivel nuts are universal - both SAE 37° and 45° connections.



JIC 37° FEMALE SWIVEL 90° ELBOW

Hose ID	Thread Size	A	Hose Cut-Off Factor	E	H		Weatherhead Part No.	Part No.
1/4	7/16-20	1.84	.92	.15	.68	9/16	04Z-664 ^a	F74500
1/4	1/2-20	1.92	1.00	.17	.76	5/8	04Z-665 ^a	F71594
1/4	9/16-18	2.00	1.08	.17	.84	11/16	04Z-666	F74367
3/8	7/16-20	1.81	.98	.16	.68	9/16	06Z-664	F79894
3/8	9/16-18	2.21	1.22	.24	.84	11/16	06Z-666	F76157
3/8	3/4-16	2.42	1.42	.26	1.09	7/8	06Z-668 ^a	F72123
1/2	9/16-18	2.43	1.26	.24	.84	11/16	08Z-666	F74245
1/2	3/4-16	2.59	1.42	.37	1.09	7/8	08Z-668 ^a	F78327
1/2	7/8-14	2.78	1.61	.38	1.19	1	08Z-670 ^a	F75486
5/8	7/8-14	2.70	1.55	.45	1.19	1	10Z-670 ^a	F77452
5/8	1-1/16-12	3.31	2.16	.50	1.80	1-1/4	10Z-672	F74731
3/4	1-1/16-12	3.36	2.17	.58	1.80	1-1/4	12Z-672	F78355
3/4	7/8-14	2.57	1.56	.46	1.19	1	12Z-670 ^a	F710002
1	1-5/16-12	3.56	2.20	.76	2.39	1-1/2	16Z-676	F72171
1-1/4	1-5/8-12	4.25	2.52	1.01	2.75	2	20Z-677	F78160
1-1/2	1-7/8-12	4.63	2.81	1.26	3.17	2-1/4	24Z-678	F78115

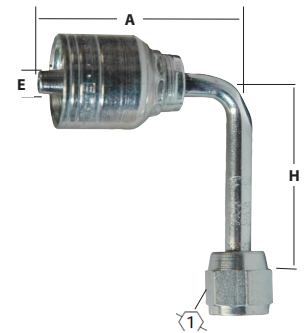
Note: 20Z fittings should only be used with two wire braided hose. a Swivel nuts are universal - both SAE 37° and 45° connections.



JIC 37° FEMALE SWIVEL 90° ELBOW - LONG DROP

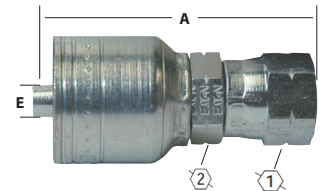
Hose ID	Thread Size	A	Hose Cut-Off Factor	E	H		Weatherhead Part No.	Part No.
1/4	7/16-20	1.84	.92	.15	1.80	9/16	04Z-644 ^a	F73003
1/4	1/2-20	1.92	1.00	.17	1.80	5/8	04Z-645 ^a	F74075
3/8	7/16-20	1.81	.98	.17	1.80	9/16	06Z-644 ^a	F79973
3/8	9/16-18	2.22	1.23	.24	2.18	11/16	06Z-646	F75523
3/8	3/4-16	2.54	1.54	.26	2.45	7/8	06Z-648 ^a	F71650
1/2	3/4-16	2.71	1.54	.37	2.45	7/8	08Z-648 ^a	F75618
1/2	7/8-14	2.78	1.61	.38	2.57	1	08Z-650 ^a	F72794
5/8	7/8-14	2.70	1.54	.46	2.57	1	10Z-650 ^a	F71894
3/4	1-1/16-12	3.36	2.17	.58	3.70	1-1/4	12Z-652	F75328
1	1-5/16-12	3.56	2.20	.76	4.58	1-1/2	16Z-656	F72266
1-1/4	1-5/8-12	4.25	2.52	1.01	5.53	2	20Z-657	F73277

Note: 20Z fittings should only be used with two wire braided hose. a Swivel nuts are universal - both SAE 37° and 45° connections.



SAE 45° FEMALE SWIVEL

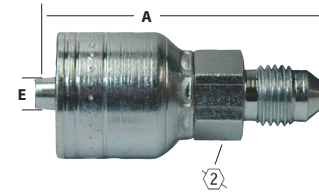
Hose ID	Thread Size	A	Hose Cut-Off Factor	E			Weatherhead Part No.	Part No.
1/4	7/16-20	2.00	1.07	.17	9/16	9/16	04Z-404	F77688
3/8	5/8-18	2.31	1.31	.26	3/4	11/16	06Z-406	F71903
1/2	3/4-16	2.63	1.46	.38	7/8	13/16	08Z-408	F73874
1/2	7/8-14	2.64	1.47	.38	1	13/16	08Z-410	F74144
3/4	1-1/16-14	2.84	1.65	.61	1-1/4	1-1/8	12Z-412	F7328



WEATHERHEAD 'Z' SERIES FITTINGS (continued)

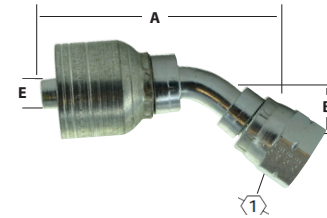
JIC 37° MALE RIGID

Hose ID	Thread Size	A	Hose Cut-Off Factor	E		Weatherhead Part No.	Part No.
1/4	7/16-20	2.00	1.07	.17	9/16	04Z-504	F77868
1/4	1/2-20	1.84	.92	.17	9/16	04Z-505	F71059
1/4	9/16-18	1.85	.93	.17	5/8	04Z-506	F75475
3/8	9/16-18	2.16	1.17	.26	11/16	06Z-506	F76989
3/8	3/4-16	2.10	1.11	.26	13/16	06Z-508	F76631
3/8	7/8-14	2.10	1.21	.26	15/16	06Z-510	F79897
1/2	3/4-16	2.57	1.41	.38	13/16	08Z-508	F71543
1/2	7/8-14	2.42	1.26	.38	15/16	08Z-510	F71144
1/2	1-1/16-12	2.59	1.42	.38	1-1/8	08Z-512	F76337
5/8	7/8-14	2.73	1.57	.48	15/16	10Z-510	F7849
5/8	1-1/16-12	2.59	1.43	.50	1-1/8	10Z-512	F73615
5/8	3/4-16	2.43	1.41	.50	15/16	10Z-508	F79896
3/4	7/8-14	2.78	1.59	.48	1-1/8	12Z-510	F75174
3/4	1-1/16-12	2.94	1.75	.61	1-1/8	12Z-512	F71901
3/4	1-3/16-12	2.73	1.54	.61	1-1/4	12Z-514	F74128
3/4	1-5/16-12	2.75	1.56	.61	1-3/8	12Z-516	F72037
1	1-3/16-12	3.11	1.80	.72	1-3/8	16Z-514	F710035
1	1-5/16-12	3.25	1.90	.82	1-3/8	16Z-516	F73934
1	1-5/8-12	3.03	1.71	.81	1-11/16	16Z-520	F710032
1-1/4	1-5/8-12	3.89	2.16	1.05	1-3/4	20Z-520	F710013



SAE 45° FEMALE SWIVEL 45° TUBE ELBOW

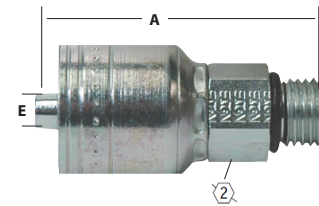
Hose ID	Thread Size	A	Hose Cut-Off Factor	E	B		Weatherhead Part No.	Part No.
3/8	5/8-18	2.29	1.45	.24	.73	3/4	06Z-486	F79918



MALE STRAIGHT THREAD O-RING RIGID

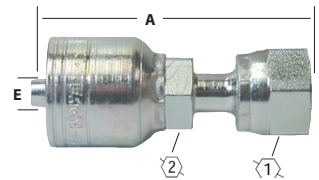
Hose ID	Thread Size	A	Hose Cut-Off Factor	E		Weatherhead Part No.	Part No.
1/4	7/16-20	1.84	.92	.17	9/16	04Z-P04	F76182
1/4	1/2-20	1.84	.92	.17	5/8	04Z-P05	F75234
1/4	9/16-18	1.78	.86	.17	11/16	04Z-P06	F78264
3/8	9/16-18	2.00	1.00	.26	11/16	06Z-P06	F7207
3/8	3/4-16	1.97	.98	.26	7/8	06Z-P08	F71124
3/8	7/8-14	1.88	1.05	.26	1	06Z-P10	F710028
1/2	3/4-16	2.36	1.19	.38	7/8	08Z-P08	F74491
1/2	7/8-14	2.26	1.09	.38	1	08Z-P10	F7386
1/2	1-1/16-12	2.39	1.22	.38	1-1/4	08Z-P12	F71746
5/8	3/4-16	2.21	1.19	.50	15/16	10Z-P08	F79898
5/8	7/8-14	2.47	1.31	.50	1	10Z-P10	F78304
5/8	1-1/16-12	2.39	1.23	.50	1-1/4	10Z-P12	F74134
3/4	7/8-14	2.53	1.46	.48	1-1/8	12Z-P10	F73215
3/4	1-1/16-12	2.44	1.25	.61	1-1/4	12Z-P12	F74444
3/4	1-5/16-12	2.56	1.37	.61	1-1/2	12Z-P16	F77499
1	1-5/16-12	2.74	1.39	.82	1-1/2	16Z-P16	F75576
1-1/4	1-5/8-12	3.63	1.90	1.05	1-7/8	20Z-P20	F72235

Note: 20Z fittings should only be used with two wire braided hose.



FEMALE FLAT FACE O-RING SWIVEL

Hose Size	Thread Size	A	Hose Cut-Off Factor	E			Weatherhead Part No.	Part No.
1/4	9/16-18	1.95	1.03	.17	11/16	9/16	04Z-S64	F73644
1/4	11/16-16	2.04	1.12	.17	13/16	5/8	04Z-S66	F7846
1/4	13/16-16	2.06	1.28	.16	13/16	15/16	04Z-S68	F7357
3/8	9/16-18	2.14	1.15	.17	11/16	11/16	06Z-S64	F75438
3/8	11/16-16	2.23	1.24	.26	13/16	11/16	06Z-S66	F71233
3/8	13/16-16	2.32	1.32	.26	15/16	13/16	06Z-S68	F72361
1/2	11/16-16	2.51	1.34	.26	13/16	7/8	08Z-S66	F78185
1/2	13/16-16	2.67	1.50	.38	15/16	7/8	08Z-S68	F73662
1/2	1-14	2.64	1.47	.38	1-1/8	15/16	08Z-S70	F76314
1/2	1-3/16-12	2.80	1.63	.38	1-3/8	1-1/8	08Z-S72	F71353
5/8	13/16-16	2.67	1.51	.38	15/16	15/16	10Z-S68	F72271
5/8	1-14	2.76	1.61	.48	1-1/8	15/16	10Z-S70	F71367
5/8	1-3/16-12	2.79	1.63	.50	1-3/8	1-1/8	10Z-S72	F72567
3/4	1-14	2.81	1.62	.48	1-1/8	1-1/8	12Z-S70	F71131
3/4	1-3/16-12	2.91	1.72	.61	1-3/8	1-1/8	12Z-S72	F77130
3/4	1-7/16-12	2.98	1.79	.61	1-5/8	1-3/8	12Z-S76	F7256
1	1-3/16-12	3.22	1.86	.61	1-3/8	1-3/8	16Z-S72	F75772
1	1-7/16-12	3.29	1.94	.81	1-5/8	1-3/8	16Z-S76	F73289
1	1-11/16-12	3.25	1.90	.81	1-7/8	1-5/8	16Z-S80	F710033

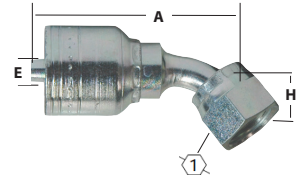


WEATHERHEAD 'Z' SERIES FITTINGS (continued)

FEMALE FLAT FACE O-RING SWIVEL 45° ELBOW

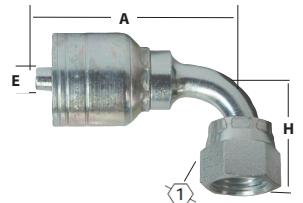
Hose Size	Thread Size	A	Hose Cut-Off Factor	E	1	H	Weatherhead Part No.	Part No.
1/4	9/16-18	2.12	1.20	.17	11/16	.40	04Z-L64	F76513
1/4	11/16-18	2.30	1.38	.17	13/16	.43	04Z-L66	F72856
3/8	9/16-18	2.30	1.30	.17	11/16	.41	06Z-L64	F7337
3/8	11/16-18	2.43	1.43	.26	13/16	.43	06Z-L66	F71864
3/8	13/16-16	2.74	1.74	.26	15/16	.59	06Z-L68	F76014
1/2	11/16-18	2.65	1.48	.26	13/16	.43	08Z-L66	F76208
1/2	13/16-16	2.96	1.79	.36	15/16	.59	08Z-L68	F74510
1/2	1-14	3.18	2.01	.38	1-1/8	.65	08Z-L70	F77961
5/8	1-14	3.05	2.01	.45	1-1/8	.65	10Z-L70	F77073
5/8	1-3/16-12	3.52	2.36	.50	1-3/8	.83	10Z-L72	F710026
3/4	1-14	3.09	2.04	.45	1-1/8	.65	12Z-L70	F710027
3/4	1-3/16-12	3.57	2.38	.55	1-3/8	.83	12Z-L72	F76949
3/4	1-7/16-12	4.04	2.85	.61	1-5/8	.94	12Z-L76	F75101
1	1-7/16-12	4.23	2.88	.78	1-5/8	.94	16Z-L76	F75318
1-1/4	1-11/16-12	5.10	3.37	1.02	1-7/8	1.00	20Z-L80	F76774

Note: 20Z fittings should only be used with two wire braided hose.



FEMALE FLAT FACE O-RING SWIVEL 90° ELBOW - SHORT DROP

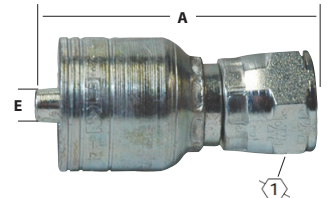
Hose Size	Thread Size	A	Hose Cut-Off Factor	E	1	H	Weatherhead Part No.	Part No.
1/4	9/16-18	2.09	1.17	.17	11/16	.82	04Z-A24	F71902
1/4	11-16-16	2.22	1.30	.17	13/16	.90	04Z-A26	F72748
3/8	9/16-18	2.21	1.21	.17	11/16	.82	06Z-A24	F74982
3/8	11/16-16	2.34	1.34	.26	13/16	.90	06Z-A26	F71297
3/8	13/16-16	2.62	1.62	.26	15/16	1.15	06Z-A28	F74983
1/2	11/16-16	2.56	1.39	.26	13/16	.90	08Z-A26	F73702
1/2	13/16-16	2.84	1.67	.36	15/16	1.15	08Z-A28	F75818
1/2	1-14	3.07	1.91	.38	1-1/8	1.27	08Z-A30	F75027
1/2	1-3/16-12	3.45	2.28	.38	1-3/8	1.88	08Z-A32	F77817
5/8	1-14	3.07	1.91	.45	1-1/8	1.27	10Z-A30	F72759
5/8	1-3/16-12	3.44	2.29	.50	1-3/8	1.88	10Z-A32	F76664
3/4	1-14	3.11	1.93	.45	1-1/8	1.27	12Z-A30	F76081
3/4	1-3/16-12	3.49	2.30	.55	1-3/8	1.88	12Z-A32	F73336
3/4	1-7/16-12	4.04	2.85	.61	1-5/8	2.21	12Z-A36	F75332
1	1-7/16-12	4.22	2.87	.81	1-5/8	2.21	16Z-A36	F77938
1	1-11/16-12	4.85	3.50	.81	1-7/8	2.51	16Z-A40	F710016



FEMALE STRAIGHT SWIVEL 60° CONE (BSPT)

Hose Size	Thread Size (T)	A	Hose Cut-Off Factor	E	1	Weatherhead Part No.	Part No.
1/4	G1/4-19*	1.66	0.74	0.16	0.75	04Z-354	F77807
3/8	G3/8-19*	1.83	0.83	0.26	0.87	06Z-356	F73656
1/2	G1/2-14*	2.11	0.94	0.38	1.06	08Z-358	F77216
3/4	G3/4-14*	2.18	1.00	0.61	1.26	12Z-362	F77291
1	G1-11*	2.44	1.09	0.81	1.61	16Z-366	F77004

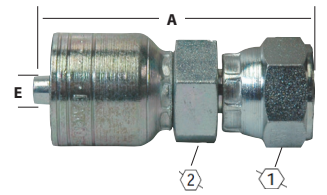
*G as part of the thread size is ISO designation for parallel thread.



FEMALE JIS 30° FLARE SWIVEL STRAIGHT

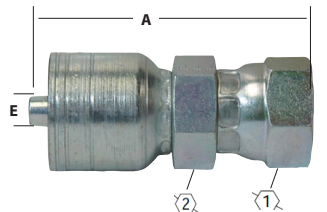
Hose Size	Thread Size	A	Hose Cut-Off Factor	E	1	2	Weatherhead Part No.	Part No.
1/4	G1/4-19*	2.09	1.17	.16	0.75	0.75	04Z-04L	F7380
3/8	G3/8-19*	2.33	1.33	.26	0.87	0.87	06Z-06L	F77916
1/2	G1/2-14*	2.61	1.44	.38	1.06	1.06	08Z-08L	F7899
5/8	G3/4-14*	2.78	1.78	.50	1.26	1.42	10Z-12L	F710036
3/4	G3/4-14*	2.88	1.70	.61	1.26	1.42	12Z-12L	F710037
1	G1-11*	3.29	1.94	.81	1.61	1.61	16Z-16L	F710044

*G as part of the thread size is ISO designation for parallel thread.



FEMALE SWIVEL 30° FLARE (KOMATSU, LINKBELT)

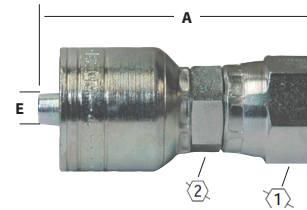
Hose Size	Thread Size	A	Hose Cut-Off Factor	E	1	2	Weatherhead Part No.	Part No.
1/4	M14x1.5	2.21	1.29	1.66	0.75	0.75	04Z-14K	F71047
3/8	M18x1.5	2.38	1.38	0.26	0.94	0.87	06Z-18K	F71817
1/2	M22x1.5	2.74	1.57	0.38	1.06	1.06	08Z-22K	F71849
5/8	M24x1.5	2.97	1.81	0.49	1.26	1.18	10Z-24K	F77088
3/4	M30x1.5	3.21	2.02	0.61	1.42	1.42	12Z-30K	F76479
1	M33x1.5	3.60	2.24	.81	1.61	1.61	16Z-33K	F710031



WEATHERHEAD 'Z' SERIES FITTINGS (continued)

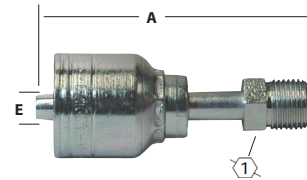
FEMALE STRAIGHT PIPE SWIVEL (NPSM)

Hose Size	Thread Size	A	Hose Cut-Off Factor	E	1	2	Weatherhead Part No.	Part No.
1/4	1/4-18	1.88	1.09	0.17	11/16	9/16	04Z-054	F71940
3/8	3/8-18	2.04	1.20	0.26	7/8	11/16	06Z-056	F76695
1/2	1/2-14	2.40	1.41	0.38	1	7/8	08Z-058	F72460
3/4	3/4-14	2.62	1.56	0.61	1-1/4	1-1/8	12Z-062	F7358
1	1-11/2	3.11	1.18	0.81	1-1/2	1-3/8	16Z-066	F76883
1-1/4	1-1/4-11-1/2	3.65	2.10	1.05	1-7/8	1-3/4	20Z-070	F71998



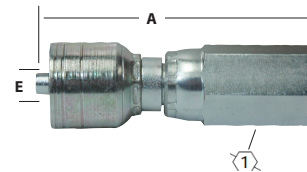
INVERTED MALE SWIVEL STRAIGHT

Hose Size	Thread Size	A	Hose Cut-Off Factor	E	1	Weatherhead Part No.	Part No.
1/4	7/16-24	2.39	1.46	0.17	7/16	04Z-B04	F7307
1/4	1/2-20	2.39	1.46	0.17	1/2	04Z-B05	F710011
3/8	7/16-24	2.53	1.53	0.17	7/16	06Z-B04	F710023
3/8	1/2-20	2.60	1.61	0.24	1/2	06Z-B05	F79900
3/8	5/8-18	2.6	1.61	0.26	5/8	06Z-B06	F76505
3/8	11/16-18	2.45	1.60	0.26	7/16	06Z-B07	F710012
1/2	3/4-18	2.79	1.62	0.38	3/4	08Z-B08	F7401



FEMALE PIPE SWIVEL

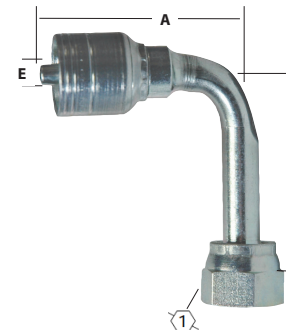
Hose Size	Thread Size	A	Hose Cut-Off Factor	E	1	Weatherhead Part No.	Part No.
1/4	1/4-18	2.87	1.95	0.17	3/4	04Z-254	F74440
3/8	3/8-18	2.97	1.97	0.26	7/8	06Z-256	F71496
1/2	1/2-14	3.58	2.41	0.38	1-1/16	08Z-258	F76727
3/4	3/4-14	3.63	2.44	0.61	1-3/8	12Z-262	F75354



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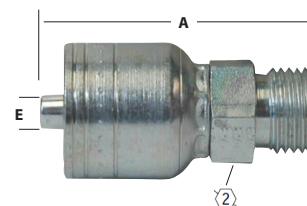
FEMALE FLAT FACE O-RING SWIVEL LONG DROP 90° ELBOW

Hose Size	Thread Size	A	Hose Cut-Off Factor	E	H	1	Weatherhead Part No.	Part No.
1/4	9/16-18	2.09	1.17	0.17	1.80	11/16	04Z-A64	F79990
1/4	11/16-16	2.22	1.30	0.17	2.13	13/16	04Z-A66	F73061
3/8	11/16-16	2.34	1.34	0.24	2.13	13/16	06Z-A66	F71057
3/8	13/16-16	2.71	1.71	0.26	2.55	15/16	06Z-A68	F79991
1/2	13/16-16	2.87	1.70	0.37	2.55	15/16	08Z-A68	F75885
1/2	1-14	3.07	1.91	0.38	2.76	1-1/8	08Z-A70	F79985
5/8	1-14	3.07	1.91	0.46	2.76	1-1/8	10Z-A70	F79992
3/4	1-3/16-12	3.48	2.29	0.56	3.78	1-3/8	12Z-A72	F79993
1	1-7/16-12	4.22	2.86	0.78	4.50	1-5/8	16Z-A76	F710024
1-1/4	1-11/16-12	5.30	3.57	1.01	5.09	1-7/8	20Z-A80	F799968
1-1/4	2-12	4.32	2.77	1.05	5.54	2-1/4	20Z-A84	F799967



FLAT FACE O-RING MALE RIGID

Hose Size	Thread Size	A	Hose Cut-Off Factor	E	2	Weatherhead Part No.	Part No.	O-Ring Part No.
1/4	9/16-18	1.78	0.86	0.17	5/8	04Z-E64	F77065	F75729
3/8	11/16-16	1.99	0.99	0.26	3/4	06Z-E66	F78022	F74366
3/8	1-3/16-16	1.95	.95	0.26	7/8	06Z-E68	F79980	F7511
1/2	13/16-16	2.30	1.13	0.38	7/8	08Z-E68	F77450	F7511
1/2	1-14	2.17	1.17	0.38	1-1/16	08Z-E70	F79981	F74778
1/2	1-3/16-12	2.27	1.27	0.38	1-1/4	08Z-E72	F79982	F73795
5/8	1-14	2.26	1.24	0.48	1-1/16	10Z-E70	F79983	F74778
5/8	1-3/16-12	2.26	1.24	0.50	1-1/4	10Z-E72	F79984	F73795
3/4	1-3/16-12	2.63	1.44	0.61	1-1/4	12Z-E72	F72200	F73795
3/4	1-7/16-12	2.53	1.34	0.61	1-1/2	12Z-E76	F710009	F78060
1	1-7/16-12	2.96	1.64	0.81	1-1/2	16Z-E76	F78655	F78060

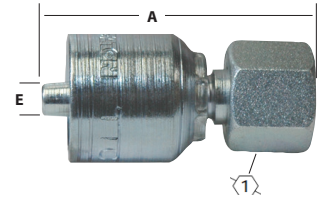


Fitting Does not include o-ring, see page 7-3-5 for part number.

WEATHERHEAD 'Z' SERIES FITTINGS (continued)

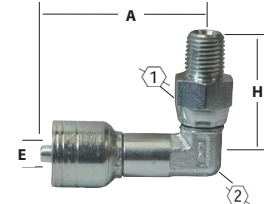
FEMALE SWIVEL DIN 24° SEAT L.RH DKO (LIGHT)

Hose Size	Thread Size	A	Hose Cut-Off Factor	E	Tube O.D.	1	Weatherhead Part No.	Part No.
1/4	M12x1.5	1.89	0.97	0.16	6	0.67	04Z-06C	F79854
1/4	M14x1.5	1.81	0.89	0.16	8	0.67	04Z-08C	F7963
1/4	M16x1.5	1.90	0.98	0.17	10	0.75	04Z-10C	F79855
3/8	M16x1.5	2.24	1.24	.026	10	0.75	06Z-10C	F79856
3/8	M18x1.5	2.01	1.02	0.26	12	0.87	06Z-12C	F75035
1/2	M22x1.5	2.29	1.12	0.38	15	1.06	08Z-15C	F72153
5/8	M26x1.5	2.33	1.17	.050	18	1.26	10Z-18C	F79942
3/4	M30x2.0	2.46	1.27	0.61	22	1.42	12Z-22C	F79852
1	M36x2.0	2.68	1.33	0.81	28	1.61	16Z-28C	F79955
1-1/4	M45x2.0	3.29	1.56	1.05	35	1.97	20Z-35C	F79935



MALE PIPE SWIVEL 90° ELBOW

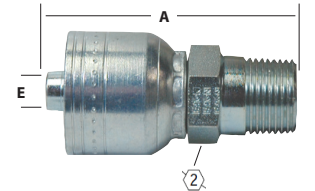
Hose Size	Thread Size	A	Hose Cut-Off Factor	B	E	1	2	Weatherhead Part No.	Part No.
1/4	1/4-18	2.15	1.23	1.81	0.17	3/4	3/4	04Z-M04	F73868
3/8	1/4-18	2.16	1.33	1.96	0.26	7/8	3/4	06Z-M04	F72117
3/8	3/8-18	2.33	1.33	1.80	0.26	7/8	3/4	06Z-M06	F72017
1/2	1/2-14	2.68	1.51	2.05	0.38	15/16	3/4	08Z-M08	F72009
3/4	3/4-14	3.72	2.53	2.72	0.61	1-3/8	1-1/4	12Z-M12	F74504



MALE RIGID BSPT

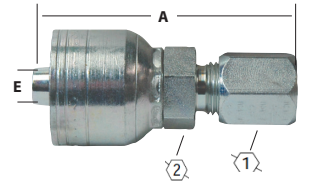
Hose Size	Thread Size	A	Hose Cut-Off Factor	E	2	Weatherhead Part No.	Part No.
3/8	R3/8-19*	2.16	1.16	.26	.75	06Z-156	F7824
1/2	R1/2-14*	2.61	1.44	.38	.87	08Z-158	F76571

* R as part of the thread size is ISO Designation for tapered thread.



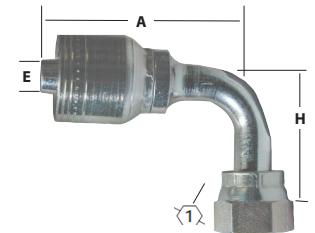
FLARELESS TUBE RIGID (WITH NUT & SLEEVE)

Hose Size	Thread Size	A	Hose Cut-Off Factor	Tube O.D.	E	1	2	Weatherhead Part No.	Part No.
1/4	7/16-20	1.65	.86	1/4	.17	9/16	9/16	04Z-754	F79903
1/4	1/2-20	1.58	.80	5/16	.17	5/8	9/16	04Z-755	F79904
3/8	7/16-20	1.81	.97	1/4	.26	9/16	11/16	06Z-754	F79905
3/8	1/2-20	1.81	.97	5/16	.23	5/8	11/16	06Z-755	F71336
3/8	9/16-18	1.82	.99	3/8	.26	11/16	11/16	06Z-756	F76576
1/2	3/4-16	2.15	1.16	1/2	.38	7/8	13/16	08Z-758	F72735
1/2	7/8-14	2.12	1.12	5/8	.38	1	15/16	08Z-760	F77783
3/4	1-1/16	2.40	1.34	3/4	.61	1-1/4	1-1/8	12Z-762	F79901
1	1-5/16	3.80	1.48	1	.81	1-1/2	1-3/8	16Z-766	F79902



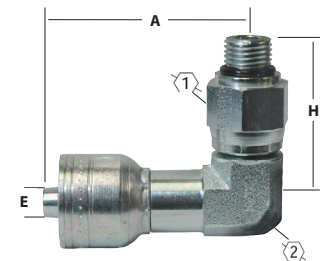
FEMALE FLAT FACE O-RING 90° TUBE ELBOW-MEDIUM DROP

Hose Size	Thread Size	A	Hose Cut-Off Factor	B	E	1	Weatherhead Part No.	Part No.
1/4	9/16-18	1.95	1.17	1.26	.17	11/16	04Z-J34	F79994
1/4	11/16-16	2.17	1.29	1.51	.17	13/16	04Z-J36	F79995
1/4	13/16-16	2.20	1.41	1.67	.17	15/16	04Z-J38	F79996
3/8	11/16-16	2.17	1.34	1.51	.26	13/16	06Z-J36	F79997
3/8	13/16-16	2.26	1.42	1.67	.26	15/16	06Z-J38	F79998
1/2	11/16-16	2.48	1.48	1.51	.24	13/16	08Z-J36	F79999
1/2	13/16-16	2.66	1.67	1.62	.36	15/16	08Z-J38	F72613
1/2	1-3/16-12	3.87	2.87	2.13	.38	1-3/8	08Z-J42	F71000
5/8	1-14	2.93	1.91	1.85	.45	1-1/8	10Z-J40	F77882
3/4	1-3/16-12	3.36	2.30	2.28	.55	1-3/8	12Z-J42	F73503
3/4	1-14	2.66	1.60	1.78	.45	1-1/8	12Z-J40	F71001
1	1-7/16-12	4.18	2.86	2.78	.78	1-5/8	16Z-J46	F710025



MALE STRAGHT THREAD O-RING SWIVEL 90° ELBOW (INCLUDES O-RING)

Hose Size	Thread Size	A	Hose Cut-Off Factor	B	E	1	2	Weatherhead Part No.	Part No.
1/4	9/16-18	2.18	1.26	1.87	.17	7/8	3/4	04Z-R66	F79986
3/8	7/8-14	2.33	1.33	1.95	.26	1	3/4	06Z-R70	F79987
3/8	9/16-18	2.33	1.33	1.87	.26	7/8	3/4	06Z-R66	F74790
3/8	3/4-16	2.33	1.33	1.93	.26	1	3/4	06Z-R68	F75155
1/2	3/4-16	2.68	1.51	1.93	.38	1	3/4	08Z-R68	F72113
1/2	7/8-14	2.68	1.51	1.97	.38	1	3/4	08Z-R70	F79988
1/2	1-1/16-12	3.12	1.95	2.43	.38	1-7/16	1-1/16	08Z-R72	F79989
3/4	1-1/16-12	3.72	2.53	2.65	0.61	1-7/16	1-1/16	12Z-R72	F77922

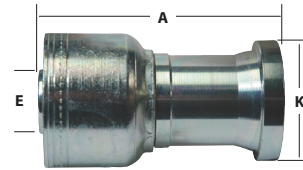


WEATHERHEAD 'Z' SERIES FITTINGS (continued)

SPLIT FLANGE STRAIGHT (SAE CODE 61)

Hose Size	Nominal Flange Size	Thd. Flange head Dia. (K)	Hose Cut-Off Factor	A	E	Weatherhead Part No.	Part No.
1/2	1/2	1.19	2.06	3.23	.38	08Z-G08	F79970
1	1	3.49	2.14	3.49	.82	16Z-G16	F76301
1-1/4	1	2.00	2.51	4.24	1.05	20Z-G20	F71920
1-1/2	1-1/2	2.38	2.58	4.40	1.26	24Z-G24	F7649
2	2	2.81	2.63	4.61	1.75	32Z-G32	F7724

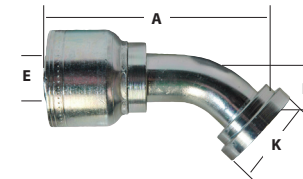
Note: 20Z fittings should only be used with 2-wire braided hose



SPLIT FLANGE 45° TUBE ELBOW (SAE CODE 61)

Hose Size	Nominal Flange Size	Flange Head Dia. (K)	Hose Cut-Off Factor	A	E	H	Weatherhead Part No.	Part No.
1/2	1/2	1.19	1.94	3.11	.37	.78	08Z-G41	F710041
3/4	3/4	1.50	2.48	3.67	.58	1.01	12Z-G42	F710042
3/4	1	1.75	2.97	4.16	.58	1.06	12Z-G46	F710043
1	1	1.75	3.00	4.35	0.76	1.06	16Z-G46	F77540
1-1/4	1-1/4	2.00	3.55	5.28	1.01	1.18	20Z-G50	F75049
1-1/2	1-1/2	2.37	4.20	5.76	1.01	1.41	24Z-G54	F71615
2	2	2.81	5.52	7.49	1.75	2.00	32Z-G62	F77034

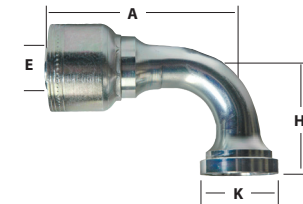
Note: 20Z fittings should only be used with 2-wire braided hose



SPLIT FLANGE 90° TUBE ELBOW (SAE CODE 61)

Hose Size	Nominal Flange Size	Flange Head Dia. (K)	Hose Cut-Off Factor	A	E	H	Weatherhead Part No.	Part No.
1/2	1/2	1.19	1.69	2.86	.37	1.63	08Z-G71	F710038
3/4	3/4	1.50	2.30	3.49	.58	2.13	12Z-G72	F710039
1	1-1/4	2.00	3.50	4.85	.76	2.62	16Z-G80	F710040
1	1	1.75	2.86	4.22	0.76	2.38	16Z-G76	F74054
1-1/4	1-1/4	2.00	3.57	5.30	1.01	2.62	20Z-G80	F73787
1-1/2	1-1/2	2.37	4.35	6.18	1.26	3.12	24Z-G84	F72237
2	2	2.81	4.72	7.20	1.62	4.50	32Z-G92	F73486

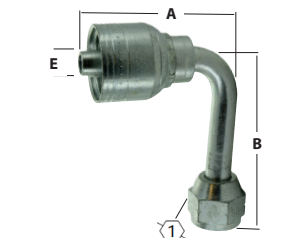
Note: 20Z fittings should only be used with 2-wire braided hose



7

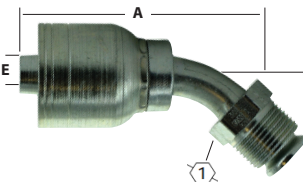
SAE 45° FEMALE SWIVEL 90° ELBOW - LONG DROP

Hose ID	Thread Size	A	Hose Cut-Off Factor	E	B	Weatherhead Part No.	Part No.
3/8	5/8-18	1.87	1.03	.24	2.18	06Z-446	F79906



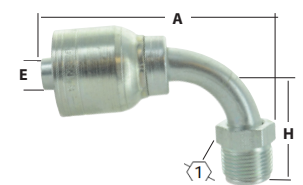
INVERTED MALE SWIVEL 45° ELBOW

Hose ID	Thread Size	A	Hose Cut-Off Factor	E	H	Weatherhead Part No.	Part No.
1/4	7/16-24	2.67	1.75	.17	.96	04Z-B44	F79907
3/8	1/2-20	2.72	1.89	.24	.96	06Z-B45	F79908
3/8	5/8-18	2.88	1.89	.26	.96	06Z-B46	F79909
3/8	11/16-18	2.73	1.89	.26	.96	06Z-B47	F710014
1/2	3/4-18	3.07	1.90	.38	.93	08Z-B48	F79910



INVERTED MALE SWIVEL 90° ELBOW

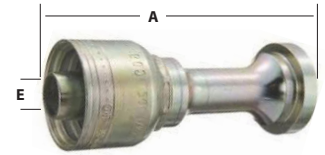
Hose ID	Thread Size	A	Hose Cut-Off Factor	E	H	Weatherhead Part No.	Part No.
1/4	7/16-24	2.29	1.37	.17	1.69	04Z-B64	F79911
3/8	7/16-24	2.28	1.44	.17	1.69	06Z-B64	F79912
3/8	1/2-20	2.51	1.51	.24	1.73	06Z-B65	F79913
3/8	5/8-18	2.51	1.51	.26	1.73	08Z-B66	F79914
1/2	3/4-18	2.73	1.56	.38	1.75	08Z-B68	F79915



WEATHERHEAD 'Z' SERIES FITTINGS (continued)

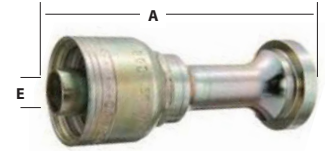
METRIC SPLIT FLANGE 45° TUBE ELBOW (KOMATSU, LINKBELT, ETC.)

Hose I.D.	Flange Size	Flange Head Dia.	A	Hose Cut-Off Factor	EO	H	Eaton No.	Part No.
5/8	5/8	1.35	3.39	2.23	0.45	0.86	10Z-G69	F710034



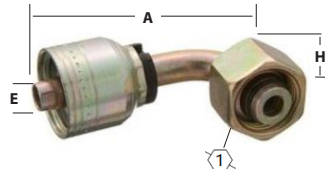
METRIC SPLIT FLANGE STRAIGHT (KOMATSU, LINKBELT, ETC.)

Hose I.D.	Flange Size	Flange Head Dia.	A	Hose Cut-Off Factor	EO	Eaton No.	Part No.
5/8	5/8	1.35	0.16	2.55	0.45	10Z-G09	F79934



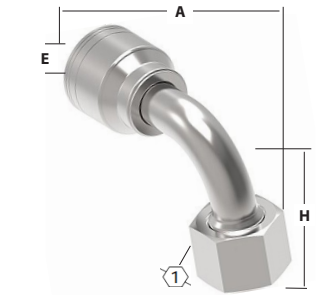
FEMALE SWIVEL DIN 24° SEAT 90° TUBE ELBOW (S.RH DKO HEAVY)

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor	EO	H		Eaton No.	Part No.
3/8	12	M20x1.5	2.37	1.38	0.26	1.38	0.94	06Z-62E	F79936
3/8	14	M22x1.5	2.51	1.51	0.26	1.65	1.06	06Z-64E	F79937
1/2	16	M24x1.5	2.90	1.73	0.38	1.93	1.18	08Z-66E	F79938
5/8	20	M30x2.0	3.23	2.07	0.50	2.11	1.42	10Z-70E	F79939
3/4	25	M36x2.0	3.66	2.47	0.61	2.54	1.81	12Z-75E	F79940
1	30	M42x2.0	4.09	2.74	0.81	2.91	1.97	16Z-80E	F710052



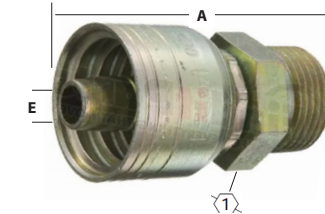
FEMALE SWIVEL DIN 24° SEAT 90° TUBE ELBOW (L. RH.(LIGHT))

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor	EO	H		Eaton No.	Part No.
1/4	8	M14X1.5	2.01	1.09	0.17	1.24	0.67	04Z-58D	F79966
1/4	10	M16X1.5	2.18	1.26	0.17	1.40	0.75	04Z-60D	F79948
3/8	10	M16X1.5	2.30	1.32	0.26	1.32	0.75	06Z-60D	F79949
3/8	12	M18X1.5	2.35	1.36	0.26	1.35	0.87	06Z-62D	F79950
1/2	15	M22X1.5	2.96	1.80	0.38	1.57	1.06	08Z-65D	F79954
5/8	18	M26X1.5	3.40	2.24	0.50	1.83	1.26	10Z-68D	F79951
3/4	22	M30X2.0	3.64	2.45	0.61	2.00	1.42	12Z-72D	F79952
1	28	M36X2.0	3.94	2.58	0.81	2.40	1.61	16Z-78D	F79972
1 1/4	35	M45X2.0	5.12	3.39	1.05	3.11	1.97	20Z-85D	F79941



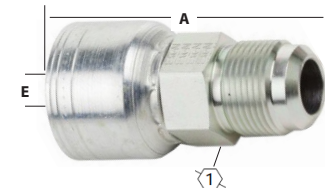
MALE DIN 24° SEAT (S.RH(HEAVY))

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor	EO		Eaton No.	Part No.
1/4	8	M16x1.5	1.87	0.95	0.16	0.67	04Z-08F	F79881
1/4	10	M18x1.5	1.60	0.93	0.16	0.75	04Z-10F	F79882
3/8	10	M18x1.5	1.95	0.95	0.26	0.75	06Z-10F	F79883
3/8	12	M20x1.5	1.98	0.98	0.26	0.87	06Z-12F	F79884
3/8	14	M22x1.5	2.07	1.07	0.26	0.94	06Z-14F	F79885
1/2	16	M24x1.5	2.28	1.11	0.38	1.06	08Z-16F	F79886
5/8	20	M30x2.0	2.44	1.28	0.50	1.26	10Z-20F	F79877
3/4	20	M30x2.0	2.27	1.21	0.61	1.26	12Z-20F	F79878
3/4	25	M36x2.0	2.58	1.39	0.61	1.61	12Z-25F	F79879
1	30	M42x2.0	2.85	1.49	0.81	1.81	16Z-30F	F79880



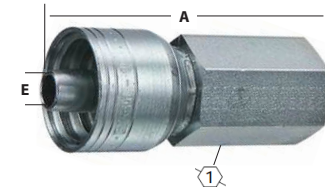
SAE 45° FLARE MALE RIGID

Hose I.D.	Thread Size	A	Hose Cut-Off Factor	EO		Eaton No.	Part No.
3/8	5/8-18	2.06	1.23	0.26	11/16	06Z-306	F710045
3/4	1 1/16-14	2.94	1.88	0.61	1 1/8	12Z-312	F710046



FEMALE PIPE RIGID

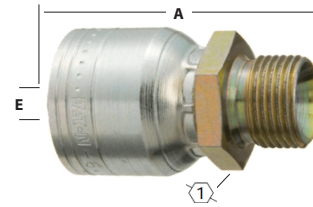
Hose I.D.	Thread Size	A	Hose Cut-Off Factor	EO		Eaton No.	Part No.
1/4	1/8-27	2.07	1.28	0.17	9/16	04Z-202	F710047
3/8	1/4-18	2.30	1.46	0.26	3/4	06Z-204	F710048
3/8	3/8-18	2.41	1.57	0.26	7/8	06Z-206	F710049
1/2	1/2-14	2.62	1.65	0.38	1 1/16	08Z-208	F710050
3/4	3/4-14	3.58	2.52	0.61	1 5/16	12Z-212	F710051



WEATHERHEAD 'Z' SERIES FITTINGS (continued)

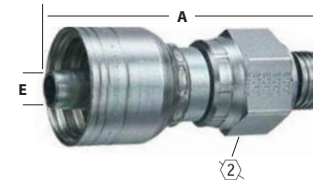
BRITISH STANDARD (BSPP) 60° CONE MALE RIGID

Hose I.D.	Thread Size	A	Hose Cut-Off Factor	EO		Eaton No.	Part No.
1/4	G 1/4-19*	1.74	0.82	0.16	0.75	04Z-P54	F710006
3/8	G 3/8-19*	1.90	0.91	0.26	0.87	06Z-P56	F710007
1/2	G 1/2-14*	2.06	1.07	0.26	1.06	08Z-P58	F710008



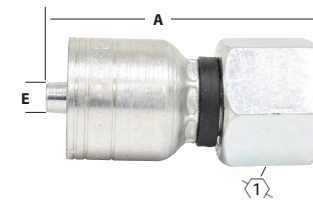
MALE STRAIGHT THREAD O-RING SWIVEL

Hose I.D.	Thread Size	A	Hose Cut-Off Factor	EO		Eaton No.	Part No.
3/8	9/16-18	2.72	1.73	0.26	7/8	06Z-R06	F710003
1/2	3/4-16	2.66	1.67	0.26	7/8	06Z-R08	F710004
1/2	3/4-16	2.28	1.11	0.38	1.06	08Z-R08	F710005



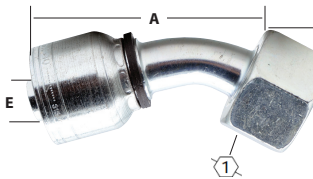
FEMALE SWIVEL DIN 24° SEAT S.RH DKO (HEAVY)

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor	EO	Eaton No.	Part No.
1/4	8	M16x1.5	1.95	1.03	0.16	04Z-58C	F79969
1/4	10	M18x1.5	2.00	1.08	0.16	04Z-60C	F79956
1/4	12	M20x1.5	2.00	1.08	0.17	04Z-62C	F79957
3/8	10	M18x1.5	2.08	1.09	0.26	06Z-60C	F79958
3/8	12	M20x1.5	2.12	1.12	0.26	06Z-62C	F79959
3/8	14	M22x1.5	2.24	1.24	0.26	06Z-64C	F79960
1/2	14	M22x1.5	2.17	1.00	0.38	08Z-64C	F710079
1/2	16	M24x1.5	2.46	1.29	0.38	08Z-66C	F79961
5/8	20	M30x2.0	2.63	1.48	0.50	10Z-70C	F79962
3/4	20	M30x2.0	2.37	1.19	0.55	12Z-70C	F79963
3/4	25	M36x2.0	2.83	1.64	0.61	12Z-75C	F79964
1	30	M42x2.0	3.09	1.44	0.81	16Z-80C	F710053



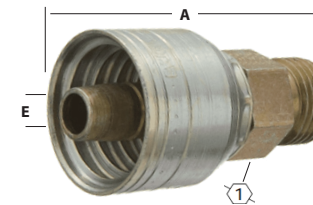
FEMALE SWIVEL DIN 24° SEAT S.RH (HEAVY) 45° ELBOW

Hose Size	Tube O.D.	Thread Size	A	Hose Cut-Off Factor	EO	H		Weatherhead Part No.	Part No.
1/2	16	M24X1.5	3.14	1.97	0.38	0.90	1.18	08Z-16E	F710569
5/8	20	M30X2.0	3.51	2.36	0.50	1.02	1.42	10Z-20E	F710588



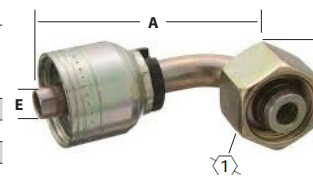
MALE DIN 24° SEAT (L.RH(LIGHT))

Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor	EO		Eaton No.	Part No.
1/4	6	M12x1.5	1.76	0.84	0.16	0.47	04Z-06A	F710497
1/4	8	M14x1.5	1.75	0.83	0.16	0.55	04Z-08A	F710010
1/4	10	M16x1.5	1.81	0.89	0.17	0.67	04Z-10A	F710018
3/8	10	M16x1.5	2.05	1.05	0.26	0.67	06Z-10A	F710019
3/8	12	M18x1.5	1.93	0.93	0.26	0.75	06Z-12A	F710020
1/2	15	M22x1.5	2.20	1.03	0.38	0.94	08Z-15A	F710021
5/8	18	M26x1.5	2.20	1.05	0.50	1.06	10Z-18A	F710498
3/4	22	M30x2.0	2.44	1.25	0.61	1.26	12Z-22A	F710022
1	28	M36x2.0	2.60	1.24	0.81	1.61	16Z-28A	F710029



FEMALE SWIVEL DIN 24° SEAT 45° TUBE ELBOW L.RH. (LIGHT)

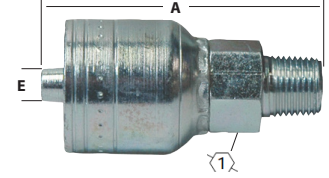
Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor	EO		Eaton No.	Part No.
1/4	8	M14x1.5	2.46	1.54	0.17	0.67	04Z-08D	F79965
1/4	10	M16x1.5	2.55	1.63	0.17	0.75	04Z-10D	F79943
3/8	10	M16x1.5	2.63	1.63	0.26	0.75	06Z-10D	F79944
3/8	12	M18x1.5	2.76	1.76	0.26	0.87	06Z-12D	F79945
1/2	15	M22x1.5	3.27	2.10	0.38	1.06	08Z-15D	F79953
5/8	18	M26x1.5	3.59	2.44	0.50	1.26	10Z-18D	F79946
3/4	22	M30x2.0	3.97	2.78	0.61	1.42	12Z-22D	F79947
3/4	28	M36x2.0	4.06	2.70	0.61	1.61	16Z-28D	F79971



WEATHERHEAD 4S SERIES FITTINGS

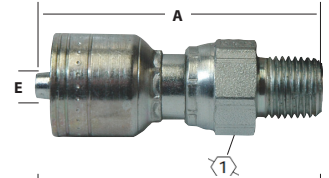
MALE PIPE RIGID

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ		Weatherhead Part No.	Part No.
3/8	3/8	3/8-18	2.17	1.27	0.26	11/16	4SA6MP6	F710350
1/2	3/8	1/2-14	2.11	1.28	0.26	7/8	4SA8MP6	F710119
1/2	1/2	1/2-14	2.80	1.60	0.38	7/8	4SA8MP8	F710120
3/4	3/4	3/4-14	3.38	1.95	0.56	1 1/16	4SA12MP12	F710122
1	3/4	1-11 1/2	3.34	1.91	0.56	1 3/8	4SA16MP12	F710123
3/4	1	3/4-14	3.51	1.94	0.75	1 3/8	4SA12MP16	F710124
1	1	1-11 1/2	3.70	2.13	0.75	1 3/8	4SA16MP16	F710125
1 1/4	1	1 1/4-11 1/2	3.56	1.99	0.75	1 11/16	4SA20MP16	F710126
1	1 1/4	1-11 1/2	4.24	2.07	0.99	1 7/16	4SA16MP20	F710127
1 1/4	1 1/4	1 1/4-11 1/2	4.71	2.54	0.99	1 11/16	4SA20MP20	F710128
1 1/2	1 1/2	1 1/2-11 1/2	5.64	2.57	1.22	2	4SA24MP24	F710129
2	2	2-11 1/2	5.91	2.84	1.66	2 1/2	4SA32MP32	F710224



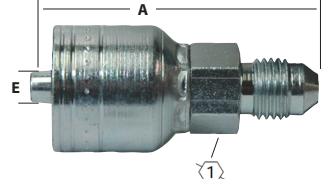
MALE PIPE NPTF SWIVEL STRAIGHT

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ		Weatherhead Part No.	Part No.
1	1	1-11 1/2	4.34	2.76	0.75	1 1/2	4SA16PS16	F710225



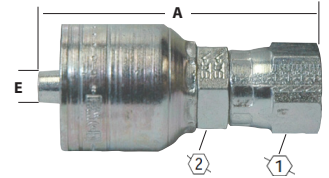
MALE JIC 37° RIGID

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ		Weatherhead Part No.	Part No.
3/8	3/8	9/16-18	2.12	1.22	0.26	11/16	4SA6MJ6	F710226
1/2	1/2	3/4-16	2.59	1.40	0.38	13/16	4SA8MJ8	F710227
5/8	5/8	7/8-14	2.73	1.59	0.48	15/16	4SA10MJ10	F710228
5/8	3/4	7/8-14	3.32	1.90	0.48	15/16	4SA10MJ12	F710229
3/4	3/4	1 1/16-12	3.42	2.00	0.56	1 1/8	4SA12MJ12	F710230
1	3/4	1 5/16-12	3.29	1.87	0.56	1 3/8	4SA16MJ12	F710231
1	1	1 5/16-12	3.69	2.13	0.75	1 3/8	4SA16MJ16	F710232
1 1/4	1	1 5/8-12	3.92	2.36	0.76	1 11/16	4SA20MJ16	F710233
1 1/4	1 1/4	1 5/8-12	4.56	2.38	0.99	1 11/16	4SA20MJ20	F710234
1 1/2	1 1/2	1 7/8-12	5.96	2.89	1.22	2	4SA24MJ24	F710235
2	2	2 1/2-12	6.45	3.38	1.66	2 5/8	4SA32MJ32	F710236



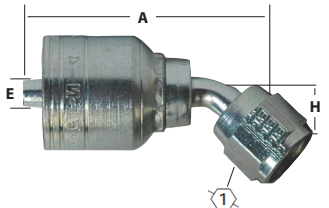
FEMALE JIC 37° SWIVEL

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ			Weatherhead Part No.	Part No.
1/4	3/8	7/16-20	2.03	1.19	0.17	9/16	11/16	4SA4FJ6	F710172
3/8	3/8	9/16-8	2.09	1.27	0.26	11/16	11/16	4SA6FJ6	F710173
1/2	3/8	3/4-16	2.16	1.34	0.26	7/8	11/16	4SA8FJ6	F710174
3/8	1/2	9/16-8	2.69	1.50	0.38	11/16	11/16	4SA6FJ8	F710175
1/2	1/2	3/4-16	2.55	1.44	0.38	7/8	7/8	4SA8FJ8	F710176
5/8	1/2	7/8-14	2.65	1.54	0.38	1	7/8	4SA10FJ8	F710177
3/4	1/2	1 1/16-12	2.70	1.59	0.38	1 1/4	7/8	4SA12FJ8	F710178
5/8	5/8	7/8-14	2.60	1.60	0.50	1	1 1/16	4SA10FJ10	F710179
3/4	5/8	1 1/16-12	2.64	1.63	0.50	1 1/4	1 1/16	4SA12FJ10	F710180
5/8	3/4	7/8-14	2.95	1.53	0.48	1 3/16	1	4SA10FJ12	F710181
3/4	3/4	1 1/16-12	3.23	1.8	0.56	1 3/16	1 1/4	4SA12FJ12	F710182
1	3/4	1 5/16-12	3.16	1.73	0.56	1 3/16	1 1/2	4SA16FJ12	F710183
3/4	1	1 1/16-12	3.10	1.54	0.61	1 5/8	1 1/4	4SA12FJ16	F710184
1	1	1 5/16-12	3.51	1.94	0.76	1 5/8	1 1/2	4SA16FJ16	F710185
1 1/4	1	1 5/8-12	3.38	1.81	0.76	1 5/8	2	4SA20FJ16	F710186
1	1 1/4	1 5/16-12	3.90	1.72	0.99	1 13/16	1 1/2	4SA16FJ20	F710187
1 1/4	1 1/4	1 5/8-12	4.00	1.82	0.99	1 13/16	2	4SA20FJ20	F710188
1 1/2	1 1/4	1 7/8-12	4.20	2.03	0.99	1 13/16	2 1/4	4SA24FJ20	F710189
1 1/2	1 1/2	1 7/8-12	5.31	2.24	1.22	2 1/4	2 1/4	4SA24FJ24	F710190
2	2	2 1/2-12	5.75	2.68	1.66	2 7/8	2 7/8	4SA32FJ32	F710191



FEMALE JIC 37° SWIVEL 45° ELBOW

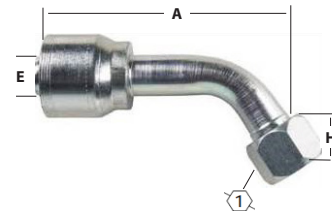
Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	H		Weatherhead Part No.	Part No.
3/8	3/8	9/16-18	2.22	1.31	0.24	0.39	11/16	4SA6FJA6	F710192
1/2	3/8	3/4-16	2.98	2.14	0.26	0.95	7/8	4SA8FJA6	F710193
1/2	1/2	3/4-16	2.87	1.68	0.37	0.55	7/8	4SA8FJA8	F710194
5/8	1/2	7/8-14	3.25	2.18	0.37	1.00	1	4SA10FJA8	F710195
5/8	5/8	7/8-14	2.82	1.79	0.46	0.63	1	4SA10FJA10	F710196
3/4	5/8	1 1/16-12	3.65	2.62	0.50	1.16	1 1/4	4SA12FJA10	F710197
3/4	3/4	1 1/16-12	4.42	3.00	0.56	1.14	1 1/4	4SA12FJA12	F710198
1	3/4	1 5/16-12	5.26	3.84	0.56	1.50	1 1/2	4SA16FJA12	F710199
1	1	1 5/16-12	5.07	3.52	0.76	1.50	1 1/2	4SA16FJA16	F710200
1 1/4	1	1 5/8-12	4.73	3.17	0.75	1.26	2	4SA20FJA16	F710201
1 1/4	1 1/4	1 5/8-12	5.34	3.17	0.99	1.26	2	4SA20FJA20	F710202
1 1/2	1 1/2	1 7/8-12	8.35	5.28	1.22	1.69	2 1/4	4SA24FJA24	F710203



WEATHERHEAD 4S SERIES FITTINGS (continued)

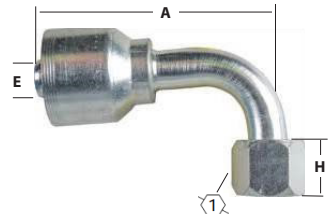
FEMALE JIC 37° SWIVEL 60° ELBOW

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	H		Weatherhead Part No.	Part No.
3/4	3/4	1 1/16-12	5.00	3.58	0.56	1.53	1 1/4	4SA12FJG12	F710204
1	1	1 5/16-12	5.69	4.12	0.76	1.87	1 1/2	4SA16FJG16	F710205



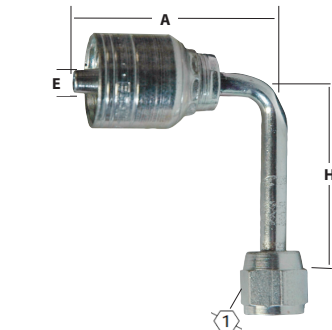
FEMALE JIC 37° SWIVEL 90° ELBOW

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	H		Weatherhead Part No.	Part No.
3/8	3/8	9/16-18	2.13	1.22	0.24	0.85	11/16	4SA6FJB6	F710206
1/2	3/8	3/4-16	2.55	1.71	0.26	1.87	7/8	4SA8FJB6	F710207
1/2	1/2	3/4-16	2.64	1.44	0.37	1.09	7/8	4SA8FJB8	F710208
5/8	1/2	7/8-14	2.78	1.70	0.37	1.93	1	4SA10FJB8	F710209
5/8	5/8	7/8-14	2.76	1.55	0.46	1.23	1	4SA10FJB10	F710210
3/4	5/8	1 1/16-12	3.34	2.18	0.50	2.35	1 1/4	4SA12FJB10	F710211
3/4	3/4	1 1/16-12	3.99	2.57	0.56	2.28	1 1/4	4SA12FJB12	F710212
1	3/4	1 5/16-12	4.33	2.91	0.56	2.80	1 1/2	4SA16FJB12	F710213
1	1	1 5/16-12	4.45	2.89	0.76	2.80	1 1/2	4SA16FJB16	F710214
1 1/4	1	1 5/8-12	4.61	3.05	0.75	3.07	2	4SA20FJB16	F710215
1 1/4	1 1/4	1 5/8-12	5.22	3.05	0.99	3.07	2	4SA20FJB20	F710216
1 1/2	1 1/2	1 7/8-12	8.22	5.15	1.22	4.09	2 1/4	4SA24FJB24	F710217



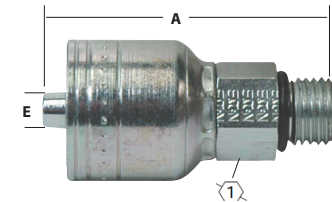
FEMALE JIC 37° SWIVEL 90° ELBOW- LONG DROP

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	H		Weatherhead Part No.	Part No.
3/8	3/8	9/16-18	2.13	1.21	0.24	2.18	11/16	4SA6FJC6	F710218
5/8	1/2	7/8-14	2.78	1.70	0.37	3.39	1	4SA10FJC8	F710219
3/4	3/4	1 1/16-12	3.99	2.57	0.56	3.78	1 1/4	4SA12FJC12	F710220
1	1	1 5/16-12	4.43	2.89	0.75	4.49	1 1/2	4SA16FJC16	F710221
1 1/4	1 1/4	1 5/8-12	5.22	3.05	0.99	5.08	2	4SA20FJC20	F710222



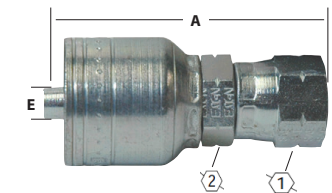
MALE O-RING BOSS - RIGID

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ		Weatherhead Part No.	Part No.
5/8	1/2	7/8-14	2.16	1.09	0.38	1	4SA10MB8	F710223
3/4	3/4	1 1/16-12	3.10	1.67	0.56	1 1/4	4SA12MB12	F710237
1	1	1 5/16-12	3.47	1.91	0.76	1 1/2	4SA16MB16	F710238
1 1/4	1 1/4	1 5/8-12	4.31	2.14	0.99	1 7/8	4SA20MB20	F710239
1 1/2	1 1/2	1 7/8-12	5.28	2.21	1.22	2 1/8	4SA24MB24	F710240



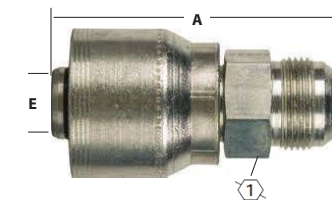
FEMALE SAE 45° FLARE SWIVEL

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ			Weatherhead Part No.	Part No.
1/4	3/8	7/16-20	2.03	1.19	0.19	9/16	11/16	4SA4FS6	F710328
3/8	3/8	5/8-18	2.15	1.31	0.26	3/4	11/16	4SA6FS6	F710329
3/4	3/4	1 1/16-14	2.42	1.00	0.56	1 1/4	1 3/16	4SA12FS12	F710330



MALE ORS - RIGID

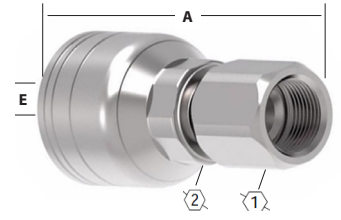
Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ		Weatherhead Part No.	Part No.
3/8	3/8	11/16-16	2.05	1.16	0.26	3/4	4SA6MR6	F710241
1/2	1/2	13/16-16	1.79	0.95	0.26	7/8	4SA8MR8	F710242
3/4	3/4	1 3/16-12	3.18	1.75	0.56	1 1/4	4SA12MR12	F710243
1	3/4	1 7/16-12	3.08	1.65	0.56	1 1/2	4SA16MR12	F710244
1	1	1 7/16-12	3.45	1.89	0.76	1 1/2	4SA16MR16	F710245
1 1/4	1	1 11/16-12	3.19	1.63	0.76	1 3/4	4SA20MR16	F710246
1 1/4	1 1/4	1 11/16-12	4.22	2.05	0.99	1 3/4	4SA20MR20	F710130



WEATHERHEAD 4S SERIES FITTINGS (continued)

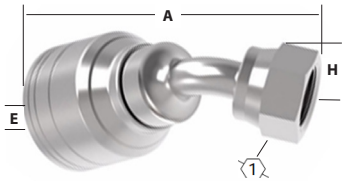
FEMALE ORS SWIVEL

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	1	2	Weatherhead Part No.	Part No.
3/8	3/8	11/16-16	2.07	1.24	0.26	13/16	11/16	4SA6FR6	F710131
1/2	3/8	13/16-16	2.14	1.32	0.26	15/16	11/16	4SA8FR6	F710132
3/8	1/2	11/16-16	2.41	1.34	0.26	13/16	7/8	4SA6FR8	F710133
1/2	1/2	13/16-16	2.61	1.50	0.36	15/16	7/8	4SA8FR8	F710134
5/8	1/2	1-14	2.57	1.47	0.38	1 1/8	7/8	4SA10FR8	F710135
5/8	5/8	1-14	2.62	1.61	0.45	1 1/8	1 1/16	4SA10FR10	F710136
3/4	5/8	1 3/16-12	2.65	1.63	0.50	1 3/8	1	4SA12FR10	F710137
5/8	3/4	1-14	2.93	1.50	0.56	1 3/16	1 1/8	4SA10FR12	F710138
3/4	3/4	1 3/16-12	3.05	1.62	0.56	1 3/16	1 3/8	4SA12FR12	F710111
1	3/4	1 7/16-12	3.12	1.70	0.56	1 3/16	1 5/8	4SA16FR12	F710139
3/4	1	1 3/16-12	3.17	1.61	0.76	1 5/8	1 3/8	4SA12FR16	F710140
1	1	1 7/16-12	3.24	1.68	0.76	1 5/8	1 5/8	4SA16FR16	F710112
1 1/4	1	1 11/16-12	3.24	1.68	1.68	1 5/8	1 7/8	4SA20FR16	F710141
1 1/4	1 1/4	1 11/16-12	3.90	1.72	1.72	1 13/16	1 7/8	4SA20FR20	F710142
2	2	2-12	4.95	1.87	1.87	2 1/4	2 1/4	4SA24FR24	F710143



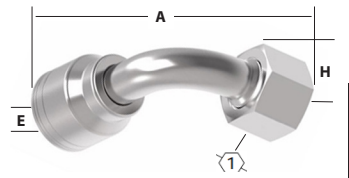
FEMALE ORS SWIVEL 45° ELBOW

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	H	1	Weatherhead Part No.	Part No.
1/4	3/8	9/16-18	2.14	1.3	0.17	0.41	11/16	4SA4FRA6	F710144
3/8	3/8	11/16-16	2.36	1.43	0.24	0.43	13/16	4SA6FRA6	F710145
1/2	3/8	13/16-16	2.58	1.74	0.26	0.59	15/16	4SA8FRA6	F710146
1/2	1/2	13/16-16	3.00	1.79	0.33	0.59	15/16	4SA8FRA8	F710147
5/8	1/2	1-14	3.08	2.01	0.38	0.65	1 1/8	4SA10FRA8	F710148
3/4	5/8	1 1/16-12	3.34	2.18	0.50	2.35	1 1/4	4SA10FRA10	F710149
3/4	3/4	1 1/16-12	3.99	2.57	0.56	2.28	1 1/4	4SA12FRA10	F710150
1	3/4	1 5/16-12	4.33	2.91	0.56	2.80	1 1/2	4SA12FRA12	F710114
1	1	1 5/16-12	4.45	2.89	0.76	2.80	1 1/2	4SA16FRA16	F710113
1 1/4	1	1 5/8-12	4.61	3.05	0.75	3.07	2	4SA20FRA16	F710151
1 1/4	1 1/4	1 5/8-12	5.22	3.05	0.99	3.07	2	4SA20FRA20	F710152
1 1/2	1 1/2	1 7/8-12	8.22	5.15	1.22	4.09	2 1/4	4SA24FRA24	F710153



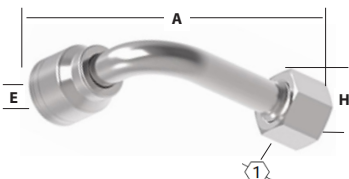
FEMALE ORS SWIVEL 90° ELBOW

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	H	1	Weatherhead Part No.	Part No.
3/8	3/8	11/16-16	2.27	1.34	0.24	0.9	13/16	4SA6FRB6	F710154
1/2	3/8	13/16-16	2.46	1.62	0.26	1.15	15/16	4SA8FRB6	F710155
3/8	1/2	11/16-16	2.46	1.39	0.25	0.9	13/16	4SA6FRB8	F710156
1/2	1/2	13/16-16	2.87	1.67	0.33	1.15	15/16	4SA8FRB8	F710157
5/8	1/2	1-14	2.98	1.91	0.38	1.27	1 1/8	4SA10FRB8	F710158
3/4	1/2	1 3/16-12	3.28	2.21	0.38	1.88	1 3/8	4SA12FRB8	F710159
5/8	5/8	1-14	3.08	1.91	0.44	1.27	1 1/8	4SA10FRB10	F710160
3/4	5/8	1 3/16-12	3.31	2.29	0.47	1.88	1.42	4SA12FRB10	F710161
5/8	3/4	1-14	3.6	2.18	0.56	1.27	1 1/8	4SA10FRB12	F710162
3/4	3/4	1 3/16-12	4.11	2.68	0.56	2.28	1 3/8	4SA12FRB12	F710115
3/4	1	1 3/16-12	4.23	2.67	0.76	2.28	1 3/8	4SA12FRB16	F710163
1	1	1 7/16-12	4.44	2.87	0.76	2.8	1 5/8	4SA16FRB16	F710116
1 1/4	1	1 11/16-16	5.37	3.81	0.76	3.07	1 7/8	4SA20FRB16	F710164
1 1/4	1 1/4	1 11/16-16	6.03	3.85	0.99	3.07	1 7/8	4SA20FRB20	F710165
1 1/2	1 1/4	2-12	6.02	3.85	0.99	3.39	2 1/4	4SA24FRB20	F710166
1 1/2	1 1/2	2-12	8.22	5.15	1.22	4.09	2 1/4	4SA24FRB24	F710167



FEMALE ORS SWIVEL 90° ELBOW - LONG DROP

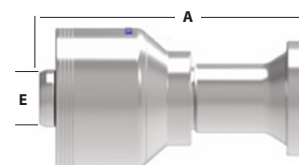
Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	H	1	Weatherhead Part No.	Part No.
3/8	3/8	11/16-16	2.27	1.34	0.24	2.13	13/16	4SA6FRC6	F710168
1/2	3/8	13/16-16	2.55	1.71	0.26	2.55	15/16	4SA8FRC6	F710169
1/2	1/2	13/16-16	2.87	1.67	0.33	2.51	15/16	4SA8FRC8	F710170
5/8	5/8	1-14	3.08	1.91	0.44	2.76	1 1/8	4SA10FRC10	F710171
5/8	3/4	1-14	3.60	2.18	0.56	2.76	1 1/8	4SA10FRC12	F710288
3/4	3/4	1 3/16-12	4.11	2.68	0.56	3.78	1 3/8	4SA12FRC12	F710117
1	3/4	1 7/16-12	4.61	3.19	0.56	4.49	1 5/8	4SA16FRC12	F710289
1	1	1 7/16-12	4.44	2.87	0.76	4.49	1 5/8	4SA16FRC16	F710118
1 1/4	1 1/4	1 11/16-12	6.02	3.85	0.99	5.08	1 7/8	4SA20FRC20	F710290
1 1/2	1 1/4	2-12	6.02	3.85	0.99	5.55	2 1/4	4SA24FRC20	F710291



WEATHERHEAD 4S SERIES FITTINGS (continued)

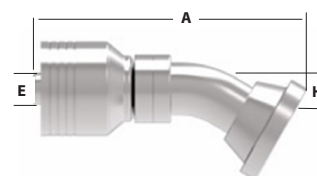
SAE CODE 61 FLANGE (STRAIGHT)

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	Weatherhead Part No.	Part No.
1/2	1/2	1.19	3.13	2.06	0.38	4S8FL8	F710095
3/4	1/2	1.50	3.17	2.10	0.38	4S12FL8	F710096
3/4	5/8	1.50	3.13	2.10	0.50	4S12FL10	F710097
3/4	3/4	1.50	3.57	2.15	0.56	4S12FL12	F710098
1	3/4	1.75	3.55	2.13	0.56	4S16FL12	F710099
1 1/4	3/4	2.00	3.85	2.42	0.56	4S20FL12	F710100
1	1	1.75	3.67	2.11	0.76	4S16FL16	F710101
1 1/4	1	2.00	3.97	2.41	0.76	4S20FL16	F710102
1 1/2	1	2.38	3.83	2.27	0.76	4S24FL16	F710292
1	1 1/4	1.75	4.35	2.18	0.99	4S16FL20	F710293
1 1/4	1 1/4	2.00	4.62	2.45	0.99	4S20FL20	F710294
1 1/2	1 1/4	2.38	4.2	2.03	0.99	4S24FL20	F710295
2	1 1/4	2.81	4.13	1.96	0.99	4S32FL20	F710296
1 1/2	1 1/2	2.38	6.75	3.68	1.22	4S24FL24	F710297
2	1 1/2	2.81	6.88	3.81	1.22	4S32FL24	F710298
2	2	2.81	6.99	3.92	1.66	4S32FL32	F710299



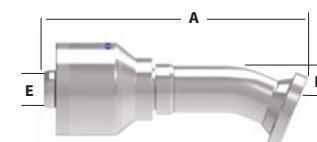
SAE CODE 61 FLANGE 30° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
1/2	1/2	1.19	3.32	2.15	0.36	0.50	4S8FLF8	F710300
3/4	3/4	1.50	4.7	3.28	0.56	0.65	4S12FLF12	F710301
1	3/4	1.75	5.30	3.87	0.56	0.76	4S16FLF12	F710247
1	1	1.75	5.42	3.85	0.76	0.76	4S16FLF16	F710248
1 1/4	1	2.00	6.23	4.67	0.76	0.92	4S20FLF16	F710249
1 1/4	1 1/4	2.00	6.88	4.71	0.99	0.92	4S20FLF20	F710250
2	1 1/4	2.38	6.69	4.52	0.99	0.95	4S24FLF20	F710251
2	2	2.37	8.80	5.72	1.22	1.06	4S24FLF24	F710252
2	2	2.81	10.47	7.39	1.66	1.34	4S32FLF32	F710253



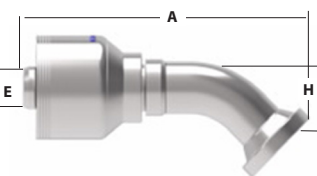
SAE CODE 61 FLANGE 22.5° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
1/2	1/2	1.19	3.28	2.20	0.36	0.36	4S8FLD8	F710254
3/4	1/2	1.50	3.87	2.80	0.37	0.44	4S12FLD8	F710255
3/4	3/4	1.50	4.78	3.35	0.56	0.46	4S12FLD12	F710256
1	3/4	1.75	5.38	3.96	0.56	0.53	4S16FLD12	F710257
1	1	1.75	5.50	3.94	0.76	0.53	4S16FLD16	F710258
1 1/4	1	2.00	6.33	4.77	0.76	0.64	4S20FLD16	F710259
1 1/4	1 1/4	2.00	6.98	4.81	0.99	0.64	4S20FLD20	F710260
1 1/2	1 1/4	2.38	6.83	4.63	0.99	0.67	4S24FLD20	F710261
1 1/2	1 1/2	2.37	8.91	5.84	1.22	0.74	4S24FLD24	F710262
2	1 1/2	2.81	10.50	7.43	1.22	0.93	4S32FLD24	F710263
2	2	2.81	10.61	7.54	1.66	0.93	4S32FLD32	F710264



SAE CODE 61 FLANGE 45° ELBOW

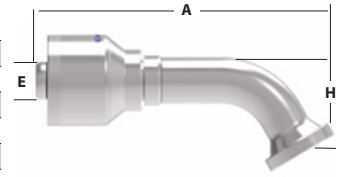
Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
1/2	1/2	1.19	3.05	1.98	0.36	0.78	4S8FLA8	F710087
3/4	1/2	1.50	3.57	2.50	0.38	1.00	4S12FLA8	F710088
3/4	5/8	1.50	3.56	2.53	0.5	1.00	4S12FLA10	F710089
3/4	3/4	1.50	4.48	3.06	0.56	1.06	4S12FLA12	F710090
1	3/4	1.75	5.04	3.61	0.56	1.00	4S16FLA12	F710091
3/4	1	1.50	4.60	3.04	0.76	1.06	4S12FLA16	F710092
1	1	1.75	5.16	3.59	0.76	1.26	4S16FLA16	F710093
1 1/4	1	2.00	5.91	4.35	0.76	1.54	4S20FLA16	F710094
1	1 1/4	1.75	5.99	3.82	0.99	1.26	4S16FLA20	F710351
1 1/4	1 1/4	2.00	6.57	4.39	0.99	1.54	4S20FLA20	F710265
1 1/2	1 1/4	2.38	6.36	4.2	0.99	1.56	4S24FLA20	F710266
1 1/2	1 1/2	2.37	8.44	5.37	1.22	1.77	4S24FLA24	F710267
2	1 1/2	2.81	9.88	6.81	1.22	2.26	4S32FLA24	F710268
2	2	2.81	10.00	6.92	1.66	2.26	4S32FLA32	F710269



WEATHERHEAD 4S SERIES FITTINGS (continued)

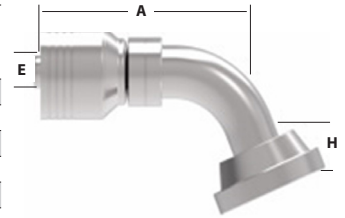
SAE CODE 61 FLANGE 60° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
1/2	1/2	1.19	3.47	2.40	0.36	1.13	4S8FLG8	F710270
3/4	3/4	1.50	5.27	3.85	0.56	1.48	4S12FLG12	F710271
1	3/4	1.75	6.03	4.61	0.56	1.76	4S16FLG12	F710272
1	1	1.75	6.16	4.59	0.76	1.76	4S16FLG16	F710273
1 1/4	1	2.00	7.22	5.65	0.76	2.20	4S20FLG16	F710274
1 1/4	1 1/4	2.00	7.86	5.70	0.99	2.20	4S20FLG20	F710275
1 1/2	1 1/4	2.38	7.41	5.24	0.99	2.04	4S24FLG20	F710276
1 1/2	1 1/2	2.37	9.97	6.90	1.22	2.57	4S24FLG24	F710277
2	2	2.81	12.17	9.10	1.66	3.38	4S32FLG32	F710278



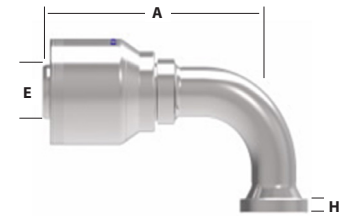
SAE CODE 61 FLANGE 67.5° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
1/2	1/2	1.19	3.31	2.24	0.36	1.27	4S8FLE8	F710279
3/4	3/4	1.50	5.06	3.64	0.56	1.70	4S12FLE12	F710280
1	3/4	1.75	5.79	4.36	0.56	2.03	4S16FLE12	F710281
1	1	1.75	5.91	4.34	0.76	2.03	4S16FLE16	F710282
1 1/4	1	2.00	6.91	5.34	0.76	2.54	4S20FLE16	F710283
1 1/4	1 1/4	2.00	7.55	5.39	0.99	2.54	4S20FLE20	F710284
1 1/2	1 1/4	2.38	7.12	4.95	0.99	2.34	4S24FLE20	F710285
1 1/2	1 1/2	2.37	9.61	6.54	1.22	2.96	4S24FLE24	F710286
2	1 1/2	2.81	11.58	8.51	1.22	3.91	4S32FLE24	F710287
2	2	2.81	11.69	8.62	1.66	3.91	4S32FLE32	F710314



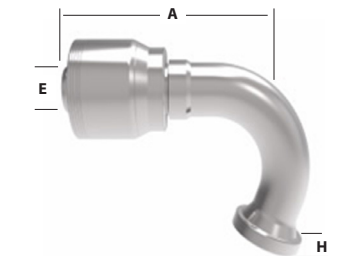
SAE CODE 61 FLANGE 90° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
1/2	1/2	1.19	2.74	1.67	0.36	1.63	4S8FLB8	F710103
3/4	1/2	1.50	3.35	2.28	0.38	2.13	4S12FLB8	F710105
3/4	1	1.50	3.31	2.29	0.50	2.13	4S12FLB10	F710106
3/4	3/4	1.50	4.27	2.85	0.56	2.32	4S12FLB12	F710107
1	3/4	1.75	4.84	3.41	0.56	2.80	4S16FLB12	F710108
1 1/4	3/4	2.00	4.72	2.85	0.56	2.56	4S20FLB12	F710109
1	1	1.75	4.96	3.39	0.76	2.80	4S16FLB16	F710104
1 1/4	1	2.00	5.72	4.15	0.76	3.50	4S20FLB16	F710315
1 1/2	1	2.38	5.37	3.81	0.76	3.22	4S24FLB16	F710316
1	1 1/4	1.75	5.79	3.62	0.99	2.80	4S16FLB20	F710317
1 1/4	1 1/4	2.00	6.37	4.19	0.99	3.50	4S20FLB20	F710318
1 1/2	1 1/4	2.38	6.02	3.85	0.99	3.22	4S24FLB20	F710319
1 1/2	1 1/2	2.37	8.22	5.15	1.22	4.09	4S24FLB24	F710320
2	1 1/2	2.81	9.74	6.67	1.22	5.43	4S32FLB24	F710321
2	2	2.81	9.85	6.78	1.66	5.43	4S32FLB32	F710322



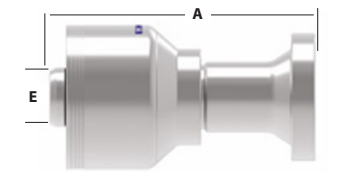
SAE CODE 61 FLANGE 110° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
3/4	3/4	1.75	4.51	2.95	0.76	3.35	4S16FLH16	F710323



SAE CODE 62 FLANGE STRAIGHT

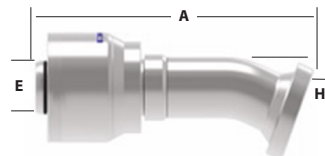
Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	Weatherhead Part No.	Part No.
1/2	1/2	1.25	3.13	2.06	0.38	4S8FH8	F710324
3/4	1/2	1.63	3.17	2.10	0.38	4S12FH8	F710325
3/4	3/4	1.63	3.57	2.15	0.56	4S12FH12	F710352
1	3/4	1.88	3.55	2.13	0.56	4S16FH12	F710302
1	1	1.88	3.89	2.33	0.76	4S16FH16	F710303
1 1/4	1	2.13	3.97	2.40	0.76	4S20FH16	F710327
1	1 1/4	1.88	4.87	2.70	0.99	4S16FH20	F710304
1 1/4	1 1/4	2.13	4.85	2.68	0.99	4S20FH20	F710305
1 1/2	1 1/4	2.50	5.08	2.91	0.99	4S24FH20	F710306
1 1/2	1 1/2	2.50	7.46	4.39	1.22	4S24FH24	F710307
2	1 1/2	3.13	8.05	4.89	1.22	4S32FH24	F710308
2	2	3.13	7.98	4.91	1.66	4S32FH32	F710309



WEATHERHEAD 4S SERIES FITTINGS (continued)

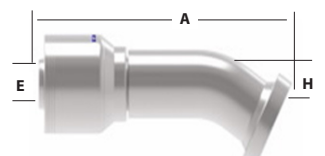
SAE CODE 62 FLANGE 22.5° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
1	1	1.88	5.51	3.94	0.76	0.53	4S16FHD16	F710310
1 1/4	1	2.13	6.33	4.77	0.76	0.64	4S20FHD16	F710311
2	2	3.13	10.61	7.54	1.66	0.93	4S32FHD32	F710312



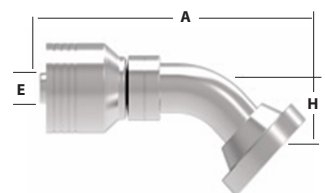
SAE CODE 62 FLANGE 30° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
1 1/2	1 1/4	2.50	7.58	5.42	0.99	1.06	4S24FHF20	F710313
2	2	3.13	10.47	7.39	1.66	1.34	4S32FHF32	F710326



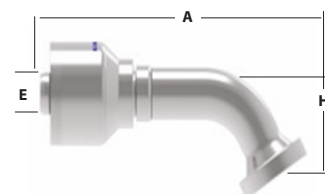
SAE CODE 62 FLANGE 45° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
1/2	1/2	1.25	3.05	1.98	0.36	0.78	4S8FHA8	F710353
3/4	1/2	1.63	3.60	2.53	0.38	1.01	4S12FHA8	F710354
3/4	3/4	1.63	4.48	3.06	0.56	1.06	4S12FHA12	F710355
1	3/4	1.88	5.04	3.61	0.56	1.26	4S16FHA12	F710356
3/4	1	1.63	4.60	3.04	0.59	1.06	4S12FHA16	F710357
1	1	1.88	5.15	3.59	0.76	1.26	4S16FHA16	F710335
1 1/4	1	2.13	5.91	4.35	0.76	1.54	4S20FHA16	F710336
1 1/4	1 1/4	2.13	6.56	4.39	0.99	1.54	4S20FHA20	F710337
1 1/2	1 1/4	2.50	7.21	5.05	0.99	1.77	4S24FHA20	F710338
1 1/2	1 1/2	2.50	8.43	5.36	1.22	1.77	4S24FHA24	F710339
2	1 1/2	3.13	9.88	6.81	1.22	2.26	4S32FHA24	F710340
2	2	3.13	10.00	6.93	1.66	2.26	4S32FHA32	F710341



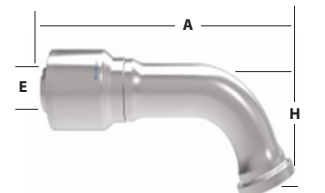
SAE CODE 62 FLANGE 60° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
3/4	3/4	1.63	5.27	3.85	0.56	1.48	4S12FHG12	F710342
1	1	1.88	6.16	4.59	0.76	1.76	4S16FHG16	F710343
2	2	3.13	12.17	9.1	1.66	3.38	4S32FHG32	F710344



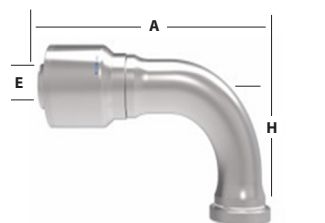
SAE CODE 62 FLANGE 67.5° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
2	2	3.13	11.69	8.62	1.66	3.91	4S32FHE32	F710345



SAE CODE 62 FLANGE 90° ELBOW

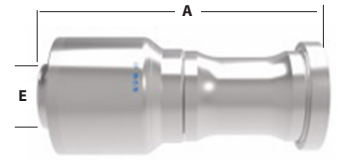
Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
1/2	1/2	1.25	2.74	1.67	0.36	1.63	4S8FHB8	F710346
3/4	3/4	1.63	4.27	2.85	0.56	2.32	4S12FHB12	F710347
1	3/4	1.88	4.84	3.41	0.56	2.80	4S16FHB12	F710348
1	1	1.88	4.94	3.39	0.76	2.80	4S16FHB16	F710349
1 1/4	1	2.13	5.72	4.15	0.76	3.50	4S20FHB16	F710358
1	1 1/4	1.88	5.79	3.62	0.99	2.80	4S16FHB20	F710359
1 1/4	1 1/4	2.13	6.36	4.19	0.99	3.50	4S20FHB20	F710360
1 1/2	1 1/4	2.50	7.01	4.84	0.99	4.09	4S24FHB20	F710361
1 1/2	1 1/2	2.50	8.22	5.15	1.22	4.09	4S24FHB24	F710362
2	1 1/2	3.13	9.74	6.67	1.22	5.43	4S32FHB24	F710363
2	2	3.13	9.85	6.78	1.66	5.43	4S32FHB32	F710364



WEATHERHEAD 4S SERIES FITTINGS (continued)

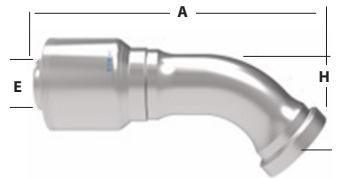
CAT FLANGE STRAIGHT

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	Weatherhead Part No.	Part No.
3/4	3/4	1.63	3.79	2.36	0.56	4S12CT12	F710365
1	3/4	1.87	3.74	2.31	0.56	4S16CT12	F710366
1	1	1.87	4.02	2.45	0.76	4S16CT16	F710367
1 1/4	1	2.13	4.13	2.56	0.76	4S20CT16	F710368
1 1/4	1 1/4	2.13	4.90	2.72	0.99	4S20CT20	F710369
1 1/2	1 1/2	2.50	7.68	4.61	1.22	4S24CT24	F710370
2	2	3.13	8.22	5.15	1.66	4S32CT32	F710371



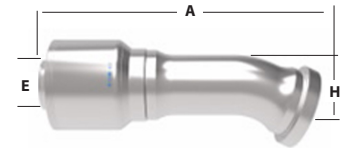
CAT FLANGE 45° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
3/4	3/4	1.63	4.63	3.21	0.56	1.22	4S12CTA12	F710373
1	3/4	1.87	5.17	3.74	0.56	1.39	4S16CTA12	F710374
1	1	1.87	5.29	3.72	0.76	1.39	4S16CTA16	F710375
1 1/4	1	2.13	6.02	4.46	0.76	1.65	4S20CTA16	F710376
1 1/4	1 1/4	2.13	6.67	4.50	0.99	1.65	4S20CTA20	F710377
1 1/2	1 1/2	2.50	8.47	5.40	1.22	1.82	4S24CTA24	F710378
2	2	3.13	10.04	6.97	1.66	1.31	4S32CTA32	F710379



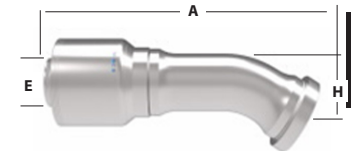
CAT FLANGE 22.5° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
3/4	3/4	1.63	4.97	3.55	0.56	0.54	4S12CTD12	F710380
1	1	1.87	5.68	4.11	0.76	0.60	4S16CTD16	F710381
1 1/4	1	2.13	6.48	4.91	0.76	0.70	4S20CTD16	F710382
1 1/2	1 1/2	2.50	8.97	5.90	1.22	0.76	4S24CTD24	F710383
2	2	3.13	10.67	7.60	1.66	0.95	4S32CTD32	F710384



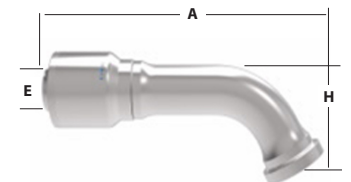
CAT FLANGE 30° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
3/4	3/4	1.63	4.89	3.46	0.56	0.75	4S12CTF12	F710385
1	1	1.87	5.58	4.02	0.76	0.85	4S16CTF16	F710386
1 1/4	1	2.13	6.37	4.80	0.76	1.00	4S20CTF16	F710387
1 1/2	1 1/2	2.50	8.85	5.78	1.22	1.09	4S24CTF24	F710388
2	2	3.13	10.52	7.45	1.66	1.37	4S32CTF32	F710389



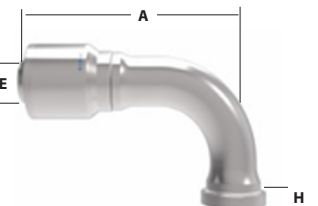
CAT FLANGE 60° ELBOW

Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
3/4	3/4	1.63	5.38	3.96	0.56	1.67	4S12CTG12	F710390
1	1	1.87	6.25	4.69	0.76	1.92	4S16CTG16	F710391
1 1/4	1	2.13	7.29	5.73	0.76	2.33	4S20CTG16	F710392
1 1/2	1 1/2	2.50	10.01	6.94	1.22	2.62	4S24CTG24	F710393
2	2	3.13	12.20	9.13	1.66	3.44	4S32CTG32	F710394



CAT FLANGE 90° ELBOW

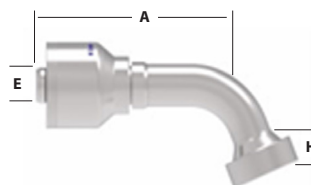
Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
3/4	3/4	1.63	4.27	2.85	0.56	2.54	4S12CTB12	F710395
1	3/4	1.87	4.83	3.41	0.56	2.98	4S16CTB12	F710396
1	1	1.87	4.96	3.39	0.76	2.98	4S16CTB16	F710397
1 1/4	1	2.13	5.72	4.15	0.76	3.66	4S20CTB16	F710398
1 1/4	1 1/4	2.13	6.36	4.19	0.99	3.66	4S20CTB20	F710399
1 1/2	1 1/2	2.50	8.22	5.15	1.22	4.16	4S24CTB24	F710400
2	2	3.13	9.85	6.78	1.66	5.50	4S32CTB32	F710401



WEATHERHEAD 4S SERIES FITTINGS (continued)

CAT FLANGE 67.5° ELBOW

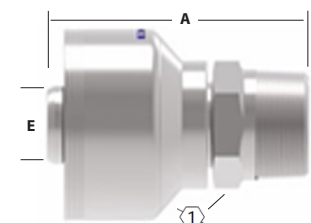
Terminal End Dash Size	Hose Size	Flange Head IN.	A	D	EØ	H	Weatherhead Part No.	Part No.
3/4	3/4	1.63	5.15	3.72	0.56	1.90	4S12CTE12	F710402
1	1	1.87	5.98	4.42	0.76	2.20	4S16CTE16	F710403
1 1/4	1	2.13	6.69	5.40	0.76	2.68	4S20CTE16	F710404
1 1/2	1 1/2	2.50	9.64	6.57	1.22	3.02	4S24CTE24	F710405
2	2	3.13	11.72	8.65	1.66	3.97	4S32CTE32	F710406



BSP MALE TAPERED RIGID STRAIGHT

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	1	Weatherhead Part No.	Part No.
3/4	3/4	R 3/4-14	3.31	1.88	0.56	27,0	4S12BT12	F710407
1	1	R 1-11	3.74	2.17	0.76	36,0	4S16BT16	F710408
1 1/4	1	R 1 1/4-11	4.66	2.49	0.99	46,0	4S20BT20	F710409

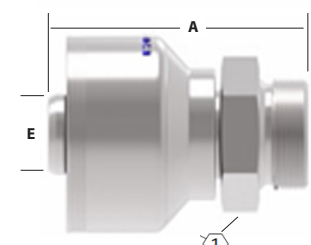
R as part of thread size is ISO designation for parallel thread.



BSP MALE PARALLEL RIGID 60° CONE SEAT STRAIGHT

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	1	Weatherhead Part No.	Part No.
3/4	3/4	G 3/4-14	3.13	1.71	0.56	32,0	4S12BP12	F710410
1	1	G 1-11	3.53	1.97	0.75	41,0	4S16BP16	F710411
1 1/4	1 1/4	G 1 1/4-11	4.32	2.15	0.99	50,0	4S20BP20	F710412

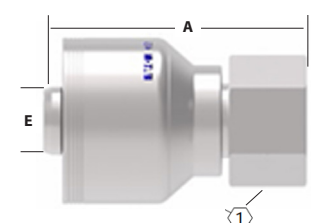
G as part of thread size is ISO designation for parallel thread.



FEMALE BSPP SWIVEL 60° CONE SEAT STRAIGHT

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	1	Weatherhead Part No.	Part No.
3/4	3/4	G 3/4	2.61	1.18	0.56	32,0	4S12BF12	F710413
1	3/4	G 1	2.70	1.27	0.56	41,0	4S16BF12	F710414
1	1	G 1	2.80	1.27	0.76	41,0	4S16BF16	F710415
1 1/4	1	G 1 1/4	2.85	1.29	0.76	50,0	4S20BF16	F710416
1 1/4	1 1/4	G 1 1/4	3.26	1.29	0.99	50,0	4S20BF20	F710417
1 1/2	1 1/2	G 1 1/2	4.64	1.57	1.22	55,0	4S24BF24	F710418
2	2	G 2	4.76	1.69	1.66	70,0	4S32BF32	F710419

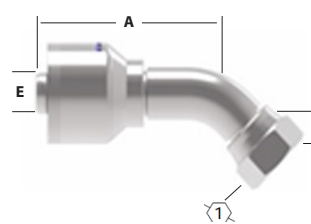
G as part of thread size is ISO designation for parallel thread.



FEMALE BSPP SWIVEL 60° CONE SEAT 45° ELBOW

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	H	1	Weatherhead Part No.	Part No.
3/4	3/4	G 3/4	4.42	2.99	0.56	1.02	32,0	4S12BFA12	F710420
1	3/4	G 1	4.56	3.13	0.56	1.18	41,0	4S16BFA12	F710421
1	1	G 1	5.13	3.57	0.76	1.18	41,0	4S16BFA16	F710422
1 1/4	1	G 1 1/4	5.24	3.68	0.76	1.34	50,0	4S20BFA16	F710423
1 1/4	1 1/4	G 1 1/4	5.89	3.90	0.99	1.34	50,0	4S20BFA20	F710424
1 1/2	1 1/2	G 1 1/2	8.20	5.13	1.22	1.67	55,0	4S24BFA24	F710425
2	2	G 2	9.78	6.71	1.66	2.13	70,0	4S32BFA32	F710426

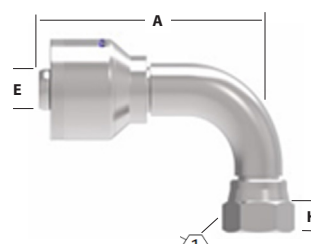
G as part of thread size is ISO designation for parallel thread.



FEMALE BSPP SWIVEL 60° CONE SEAT 90° ELBOW

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	H	1	Weatherhead Part No.	Part No.
3/4	3/4	G 3/4	4.17	2.74	0.56	2.24	32,0	4S12BFB12	F710427
1	3/4	G 1	4.17	2.74	0.56	2.68	41,0	4S16BFB12	F710428
1	1	G 1	4.94	3.38	0.76	2.68	41,0	4S16BFB16	F710429
1 1/4	1	G 1 1/4	4.94	3.38	0.76	3.11	50,0	4S20BFB16	F710430
1 1/4	1 1/4	G 1 1/4	5.71	3.74	0.99	3.11	50,0	4S20BFB20	F710431
1 1/2	1 1/2	G 1 1/2	8.07	5.00	1.22	3.88	55,0	4S24BFB24	F710432
2	2	G 2	9.67	6.60	1.66	4.93	70,0	4S32BFB32	F710433

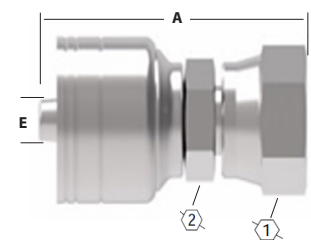
G as part of thread size is ISO designation for parallel thread.



JIS FEMALE SWIVEL 30° FLARE SEAT STRAIGHT

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	1	2	Weatherhead Part No.	Part No.
3/8	3/8	G 3/8	2.17	1.33	0.26	0.87	22,0	4S6JF6	F710434
1/2	1/2	G 1/2	2.54	1.46	0.38	1.06	27,0	4S8JF8	F710435
3/4	3/4	G 3/4	2.46	1.03	0.56	13/16	32,0	4S12JF12	F710436
1	1	G 1/2	2.62	1.06	0.76	1 5/8	41,0	4S16JF16	F710437
1 1/4	1 1/4	G 1 1/4	3.37	1.19	0.99	1 13/16	50,0	4S20JF20	F710438

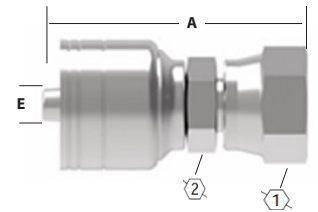
G as part of thread size is ISO designation for parallel thread.



WEATHERHEAD 4S SERIES FITTINGS (continued)

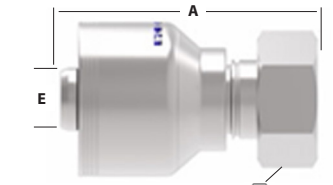
KOMATSU FEMALE SWIVEL 30° FLARE SEAT STRAIGHT

Terminal End Dash Size	Hose Size	Thread Size	A	D	EØ	1	2	Weatherhead Part No.	Part No.
1/2	1/2	M22X1.5	2.64	1.57	0.38	1.06	27,0	458KF8	F710439
5/8	5/8	M24X1.5	2.84	1.81	0.49	1 3/16	31,8	4510KF10	F710440
3/4	3/4	M30X1.5	2.46	1.03	0.56	1 3/16	36,0	4512KF12	F710441
1	1	M33X1.5	2.62	1.06	0.76	1 5/8	41,0	4516KF16	F710442
1 1/4	1 1/4	M36X1.5	3.37	1.19	0.99	1 13/16	48,0	4520KF20	F710443



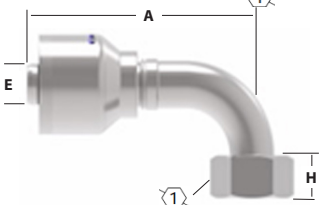
FEMALE SWIVEL DIN 24° SEAT I.RH DKO (LIGHT) STRAIGHT

Hose Size	Thread Size	A	D	EØ	1	Weatherhead Part No.	Part No.
5/8	M26X1.5	2.33	1.17	0.50	32,0	4516DL10	F710444
3/4	M30X2	2.99	1.56	0.56	36,0	4520DL12	F710445
1	M36X2	3.14	1.59	0.76	41,0	4525DL16	F710446
1 1/4	M45X2	3.96	1.79	0.99	50,0	4532DL20	F710447



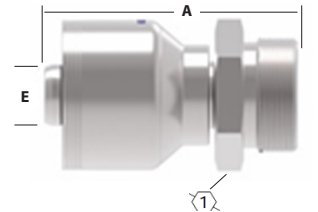
FEMALE SWIVEL DIN 24° SEAT I.RH DKO (LIGHT) 90° ELBOW

Hose Size	Thread Size	A	D	EØ	H	1	Weatherhead Part No.	Part No.
3/4	M30X2	4.18	2.75	0.56	2.00	36,0	4520DLB12	F710448
1 1/4	M45X2	6.07	3.90	0.99	3.11	50,0	4532DLB20	F710449



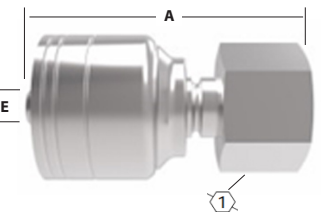
MALE DIN 24° SEAT RIGID S.RH DKO (HEAVY) STRAIGHT

Hose Size	Thread Size	A	D	EØ	1	Weatherhead Part No.	Part No.
1/2	M24X1.5	2.28	1.11	0.38	27,0	4512EK8	F710558
3/4	M36X2	3.09	1.67	0.56	41,0	4520EK12	F710450
1	M42X2	3.30	1.73	0.75	46,0	4525EK16	F710451
1 1/4	M52X2	4.21	2.04	0.99	55,0	4532EK20	F710452



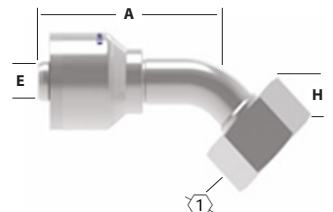
FEMALE SWIVEL DIN 24° SEAT S.RH DKO (HEAVY) STRAIGHT

Hose Size	Thread Size	A	D	EØ	1	Weatherhead Part No.	Part No.
3/8	M20X1.5	2.12	1.12	0.26	24,0	458DS6	F710453
3/8	M22X1.5	2.24	1.24	0.26	27,0	4510DS6	F710454
1/2	M24X1.5	2.46	1.29	0.38	30,0	4512DS8	F710455
5/8	M30X2	2.63	1.48	0.50	36,0	4516DS10	F710501
3/4	M30X2	2.90	1.47	0.56	36,0	4516DS12	F710456
3/4	M36X2	3.41	1.98	0.56	46,0	4520DS12	F710457
3/4	M42X2	3.47	2.04	0.56	50,0	4525DS12	F710458
1	M42X2	3.59	2.02	0.76	50,0	4525DS16	F710459
1	M52X2	3.72	2.18	0.76	60,0	4532DS16	F710460
1 1/4	M42X2	3.80	1.64	0.87	50,0	4525DS20	F710461
1 1/4	M52X2	4.39	2.22	0.99	60,0	4532DS20	F710462



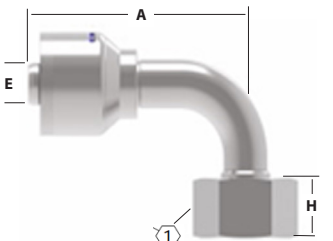
FEMALE SWIVEL DIN 24° SEAT S.RH DKO (HEAVY) 45° ELBOW

Hose Size	Thread Size	A	D	EØ	H	1	Weatherhead Part No.	Part No.
1/2	M24X1.5	3.41	2.24	0.38	0.94	30,0	4512DSA8	F710551
5/8	M30X2	3.43	2.27	0.47	0.97	36,0	4516DSA10	F710594
3/4	M36X2	4.59	3.17	0.56	1.26	46,0	4520DSA12	F710463
3/4	M42X2	5.15	3.72	0.56	1.38	50,0	4525DSA12	F710464
1	M42X2	5.28	3.72	0.76	1.38	50,0	4525DSA16	F710465
1	M52X2	5.71	4.15	0.76	1.54	60,0	4532DSA16	F710466
1 1/4	M52X2	6.35	4.19	0.99	1.54	60,0	4532DSA20	F710467



FEMALE SWIVEL DIN 24° SEAT S.RH DKO (HEAVY) 90° ELBOW

Hose Size	Thread Size	A	D	EØ	H	1	Weatherhead Part No.	Part No.
1/2	M24X1.5	3.06	1.89	0.38	1.78	30,0	4512DSB8	F710552
3/4	M36X2	4.09	2.67	0.56	2.56	46,0	4520DSB12	F710468
3/4	M42X2	4.83	3.40	0.56	2.99	50,0	4525DSB12	F710469
1	M42X2	4.90	3.34	0.76	2.99	50,0	4525DSB16	F710470
1	M52X2	5.38	3.82	0.76	3.50	60,0	4532DSB16	F710471
1 1/4	M52X2	6.02	3.86	0.99	3.5	60,0	4532DSB20	F710472



HOSES — LOW PRESSURE

SAE J1402 A DOT II — LOW PRESSURE AIR BRAKE HOSE

EATON | Weatherhead

Hose I.D.	Hose O.D.	Work Pres. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
3/8	3/4	225	900	1.75	ECO3806	F73196
1/2	7/8	225	900	2	ECO3808	F73237

- **Typical Application:** Air brake hose lines.
- **Inner Tube:** EPDM
- **Reinforcement:** Multi-Fiber Spiral
- **Cover:** EPDM
- **Temp. Range:** -40°F to +200°F (-40°C to +93°C)
- **Ends:** Sleeve Type Air Brake Hose Ends (338'B' Series, 338'P' Series)



LOW PRESSURE THERMOPLASTIC HOSE

Hose I.D.	Hose O.D.	Work Pres. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per 50' Roll
1/4	29/64	250	1000	1	H28504	F71713
3/8	19/32	225	900	1-1/4	H28506	F77192
1/2	3/4	200	800	2	H28508	F75615
3/4	1-1/32	150	600	2-1/2	H28512	F75829
1	1-5/16	125	500	3-1/2	H28516	F7494

- **Typical Application:** Suitable for agricultural and food applications, NSF51 and FDA certified
- **Inner Tube:** Clear PVC
- **Reinforcement:** 2 fiber spirals
- **Cover:** clear PVC
- **Temperature Range:** +25



GENERAL PURPOSE HOSE

Hose I.D.	Hose O.D.	Work Pres. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
1/4	1/2	400	1600	2-1/2	H00904	F72396
5/16	9/16	400	1600	3	H00905	F75752
3/8	5/8	400	1600	3	H00906	F75668
1/2	25/32	400	1600	4	H00908	F73308

- **Typical Application:** General purpose air, oil and water lines
- **Inner Tube:** Nitrile
- **Reinforcement:** 1 Fiber Braid
- **Cover:** Neoprene
- **Temperature Range:** -40°F to +212°F (-40°C to +100°C)
- **Ends:** Field Attachable (009 'B' Series) Fittings

* All reels will be drop shipped from the factory. Contact special order department.



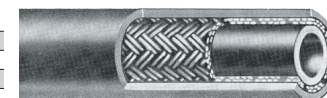
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LOW PRESSURE SHOP AIR HOSE

Color	Hose I.D.	Hose O.D.	Work Pres. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
Yellow	1/4	1/2	250	1000	3	H20104 YW	F77575
Yellow	3/8	5/8	250	1000	3	H20106 YW	F77433
Yellow	1/2	3/4	250	1000	5	H20108 YW	F78098
Yellow	5/8	7/8	250	1000	6	H20110 YW	F75116
Yellow	3/4	1-1/32	250	1000	7	H20112 YW	F74738
Black	1/4	1/2	250	1000	3	H20104 BL	F7852
Black	3/8	5/8	250	1000	3	H20106 BL	F74958
Black	1/2	3/4	250	1000	5	H20108 BL	F71071

- **Typical Application:** General purpose, low pressure air, oil and water lines. A great, long lasting shop air hose
- **Inner Tube:** Nitrile
- **Reinforcement:** 1 Fiber Braid
- **Cover:** Vinyl Nitrile
- **Temperature Range:** -40°F to +212°F (-40°C to +100°C)
- Dana's H201 Hose Series

* All reels will be drop shipped from the factory. Contact special order department.



GENERAL PURPOSE AIR/WATER HOSE - RED

Hose I.D.	Hose O.D.	Work Pres. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
1/4	5/8	300**/175*	1200**/700*	3	H010504	F7385
3/8	3/4	300**/175*	1200**/700*	3.5	H010506	F71654
1/2	7/8	300**/150*	1200**/600*	4.5	H010508	F72376
3/4	1-3/16	225**/150*	900**/600*	5.75	H010512	F77238
1	1-7/16	200	800	7.25	H010516	F74104

- **** When used with 057'B' series ends**
- *** When used with 'U' series fittings only**
- **Typical Applications:** General Purpose Air, water applications where petroleum contact is limited
- **Inner Tube:** EPDM
- **Reinforcement:** Multi-Fiber Spiral
- **Cover:** RED EPDM
- **Temp. Range:** Air: -40°F to +160°F (-40°C to +71°C) Water: 32°F to +180°F (0°C to +93°C)
- **Hose Ends:** C-O-C 'U' Series (-6 to -16); 'Z' series
- **Field Attachable:** 057 'B' Series (except -8 and -16), 105 'B' Series (-4 to -12)



HOSES — MEDIUM PRESSURE

SAE J1402 TYPE AI TRUCK HOSE

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
3/16	31/64	2000	8000	3/4	H21304	F7137
1/4	35/64	1500	6000	1	H21306	F74795
13/32	47/64	1250	5000	1-3/4	H21308	F74763
1/2	57/64	1000	4000	2-1/4	H21310	F72678
5/8	61/64	750	3000	2-3/4	H21312	F73824
7/8**	1-13/64	400	1600	3-1/2	H21316	F72686



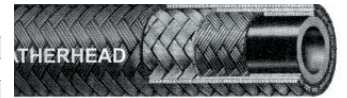
- Typical Application:** General purpose truck hose. For use in air brake, fuel, diesel fuel and high temperature petroleum oil applications
- Use with Field Attachable 213N Hose Ends
- Inner Tube:** CPE
- Reinforcement:** 1 Fiber Braids - 1 Steel Braid
- Cover:** Fiber Braid
- Cover Color:** Black with 2 green stripes 180° apart
- Temp. Range:** Air Brake: -40°F to +200°F
Hot Oil: -50°F to +302°F

* All reels will be drop shipped from the factory. Contact special order department.

** Size 16 is not approved for Air Brake applications.

SAE 100R5, SAE J1402 TYPE II DOT AII

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
3/16	33/64	3000	12000	3	H06904	F76105
5/16	43/64	2250	9000	4	H06906	F74442
13/32	49/64	2000	8000	4-5/8	H06908	F78094
1/2	59/64	1750	7000	5-1/2	H06910	F77852



- Typical Application:** General purpose truck and hydraulic hose. For use in air brake, fuel, grease lines, high temperature petroleum oil and medium pressure hydraulic applications
- Inner Tube:** Nitrile
- Reinforcement:** 1 Fiber Braids - 1 Steel Braid
- Cover:** Fiber Braid
- Temp. Range:** Air Brake: -40°F to +200°F
Hot Oil: -40°F to +302°F
Hydraulic Fluid: -40°F to +212°F
- Hose Ends:** Field Attachable 247 'N' Series

* All reels will be drop shipped from the factory. Contact special order department.

SYNIFLEX 3TR7 MEDIUM PRESSURE HOSE SAE 100R7

Hose I.D.	Hose O.D.	Min. Bend Radius	Working Pressure	Burst Pressure	Eaton No.	Part No. Per Foot
1/4	0.49	1.25	3050	11000	3TR7-04	F710591
3/8	0.65	2.00	2300	9000	3TR7-06	F710592
1/2	0.82	2.75	2050	9000	3TR7-08	F710593



- Typical Application:** General Hydraulics, Material Handling, Chemical Transfer, Marine Steering
- Inner Tube:** Nylon-lined Core Tube
- Reinforcement:** Synthetic Fiber
- Cover:** Black Perforated Polyurethane
- Temp Range:** -40F to 212F (-40c to 100c) with water-based or fire-resistant fluids
- Hose Ends:** Z-Series (w/sleeve, See 897.64 prefix for sleeve selection)
902 Series and 4TA Series

SYNIFLEX 3130 MEDIUM PRESSURE HOSE SAE 100R7

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
1/4	0.51	3000	11000	1.25	3130-04	F79733
3/8	0.669	2250	9,000	2	3130-06	F78620
1/2	0.816	2000	8,000	3	3130-08	F78621



- Typical Application:** In addition to its compatibility with most hydraulic fluids, the low effusion rate of this hose makes it ideally suited for CO2 and nitrogen. Perforated cover permits breathing, eliminating condensation and blistering.
- Inner Tube:** Nylon II
- Reinforcement:** 2 Fiber Braids
- Cover:** Polyurethane (perforated)
- Cover Color:** Black
- Temp. Range:** -40°F to +200

* All reels will be drop shipped from the factory. Contact special order department.

HOSES — HIGH PRESSURE

H280 WEATHERSHIELD™ HYDRAULIC HOSE SAE 100R16

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
1/4	17/32	6500	26000	2.00	H28004	F73867
3/8	11/16	5300	21200	2.50	H28006	F75099
1/2	13/16	4500	18000	3.50	H28008	F77117
5/8	15/16	4000	16000	4.00	H28010	F71709
3/4	1-3/32	3500	14000	4.75	H28012	F77148
1	1-13/32	3000	12000	6.00	H28016	F73232
1-1/4	1-13/20	2500	10000	8.25	H28020	F72264
1-1/2	2	2000	8000	10.00	H28024	F75947
2	2-1/2	1600	6400	12.50	H28032	F7419



- Inner Tube:** Synthetic rubber
- Reinforcement:** 2 Steel Braids
- Cover:** WeatherSHIELD Synthetic rubber cover
- Temp. Range:** Petroleum-based Hydraulic Fluids -40 C to +127 C (-40 F to +260 F)
- Water-based Hydraulic Fluids:** -40 C to +70 C (-40 F to +158 F)
- Hose Ends:** C-O-C 'Z' Series
- Typical Application:** Hydraulic system service with petroleum and water-based fluids, for general industrial service
- MSHA Accepted

HOSES — HIGH PRESSURE (continued)

H290 WEATHERSHIELD™ HYDRAULIC HOSE

Meets and exceeds SAE 100R2AT Type S, EN853 2SN,
ISO 1436-1 Type 2SN Performance

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
1/4	19/32	6500	26000	4.00	H29004	F74523
3/8	3/4	5800	23200	5.00	H29006	F76767
1/2	7/8	5000	20000	7.00	H29008	F71715
5/8	1	4000	16000	8.00	H29010	F74884
3/4	1-5/32	3500	14000	9.50	H29012	F78155
1	1-1/2	3000	12000	12.00	H29016	F73263
1-1/4	1-7/8	2500	10000	16.50	H29020	F73460

- **Inner Tube:** Synthetic rubber
- **Reinforcement:** 2 Steel Braids
- **Cover:** Weather SHIELD Synthetic rubber cover
- **Temp. Range:** Petroleum-based Hydraulic Fluids -40 C to +127 C (-40 F to +260 F)
- **Water-based Hydraulic Fluids:** -40 C to +70 C (-40 F to +158 F)
- **Hose Ends:** C-O-C 'Z' Series
- **Typical Application:** Hydraulic system service with petroleum and water-based fluids, for general industrial service
- MSHA Accepted



H421 WEATHERJACK™ HOSE

Hose ID	Hose OD	Work Press. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
1/4	17/32	10,000	20,000	2.00	H42104	F78346

- **Typical Application:** Hydraulic jacking system with petroleum and water-based fluids
- **Inner Tube:** Synthetic Rubber
- **Reinforcement:** 2 Steel Braids
- **Reinforcement:** 2 Wire Braid
- **Cover:** Neoprene
- **Temp. Range:** -40°C to +100°C (-40 F to +212 F)
- **Hose Ends:** 'Z' series



RHINOHide™ ABRASION RESISTANT, CONSTANT PRESSURE HOSE

EATON | Weatherhead

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
1/4	17/32	3000	12000	2"	H54504	F76135
3/8	5/8	3000	12000	2.5"	H54506	F72916
1/2	13/16	3000	12000	3.5"	H54508	F74804
3/4	13/16	3000	12000	4.75"	H54512	F73216

- **Inner Tube:** Nitrile
- **Reinforcement:** 4-8 sizes = 1 Steel Braid; 10-16 sizes = 2 Steel Braids
- **Cover:** Abrasion Resistant (Woven Nylon)
- **Temp. Range:** -40 F to +250 F (-40 C to +121 C)
- **Hose Ends:** 'U' series or 'S' Series
- **Typical Applications:** 3,000 PSI Constant working pressure, ideal for logging, construction, mining and off highway applications
- **Hose Ends:** U Series, 4S Series or Z Series fittings



*All reels will be drop shipped from the factory. Contact special order department.

H145 HYDRAULIC HOSE SAE 100R17

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No.
1/4	1/2	3045	12180	2.00	H14504-250R	F710500
3/8	41/64	3045	12180	2.50	H14506-250R	F710061
1/2	13/16	3045	12180	3.50	H14508-250R	F710062
5/8	31/32	3045	12180	4.00	H14510-250R	F710063
3/4	1-5/32	3045	12180	4.75	H14512-250R	F710064

- **Inner Tube:** Nitrile
- **Cover:** Neoprene
- **Typical Application:** Used for high pressure lines on off road construction equipment, farm equipment, and other high pressure applications.
- **Temp Range:** -40° F to +250° F (-40°C to +121°C)
- **Hose Ends:** U Series(-6 thru -12) Z Series



HOSES — VERY HIGH PRESSURE

SAE 100R12 VERY HIGH PRESSURE HOSE

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min. Burst Press. (PSI)	Min. Bend Radius	Eaton No.	Part No. Per Foot
1/2	15/16	6000	24000	3.50	H43008	F74470
5/8	15/16	6000	24000	4.00	H43010	F710568
3/4	1-7/32	5500	22000	4.75	H43012	F73912
1	1-33/64	5100	20400	6.00	H43016	F71375
1-1/4	1-7/8	4500	18000	8.25	H43020	F76139

- **Typical Application:** Very high pressure hydraulic lines subjected to pressure surges and flexing
- **Inner Tube:** Neoprene
- **Reinforcement:** 4 Spiral Steel Plies
- **Cover:** Hypalon
- **Cover Color:** Gray
- **Temp. Range:** -40°F to +250°F (-40°C to +121°C).
- **Hose Ends:** 430 U Series and 4S Series fittings

*All reels will be drop shipped from the factory. Contact special order department.



Z-SERIES TOOLING KITS

(All Z-Series tooling is Drop-Shipped from Mfg.)



F7735

T-400TP-1001 CRIMP KIT CONVERSION (T-400, T-460, T-462, T-465)

Kit Includes:

Collet	Description	Adapter	Spacer Ring	Description
ET313DC-4Z	4Z Braided Collet	ET400AR-10	ET313SR-090A	H180 4-8 Ring
ET313DC-6Z	6Z Braided Collet		ET400SR-180A	H180 12-16 Ring
ET313DC-8Z	8Z Braided Collet		ET400SR-280A	H280 12-16 Ring
ET400DC-12Z	12Z Braided Collet			
ET400DC-16Z	16Z Braided Collet			

*SOLD SEPARATELY

Collet	Description	Part No.
ET313SR-015A	Spacer Ring	F44347
ET313SR-030D	Spacer Ring	F79932
ET313DC-4Z	4Z Braided Collet	F710576
ET313DC-6Z	6Z Braided Collet	F710577
ET313DC-8Z	8Z Braided Collet	F710578
ET313DC-10Z	10Z Braided Collet	F79933

F73235

T420TP-1001 CRIMP KIT CONVERSION (T-420, T-480)

Kit Includes:

Collet	Description	Adapter	Spacer Ring	Description
ET425DC-4Z	4Z Braided Collet	ET425AR-14	ET425SR-105A	H180 Ring
ET425DC-6Z	6Z Braided Collet			
ET425DC-8Z	8Z Braided Collet			
ET425DC-12Z	12Z Braided Collet			
ET425DC-16Z	16Z Braided Collet			
ET425DC-4S8	4S8 Spiral Collet			
ET425DC-4S12	4S12 Spiral Collet			
ET425DC-4S16	4S16 Spiral Collet			
ET425DC-420	4S420 Spiral Collet			

*SOLD SEPARATELY

Collet	Description	Part No.
ET425DC-4Z	4Z Braided Collet	F710579
ET425DC-6Z	6Z Braided Collet	F710580
ET425DC-8Z	8Z Braided Collet	F710581
ET425DC-10Z	10Z Braided Collet	F710080

F73873

ET4001TP-1001 CRIMP KIT CONVERSION (ET4000, ET4001)

Kit Includes:

Collet	Description	Spacer Ring	Description
ET525DC-4Z	4Z Braided Collet	ET525SR-120A	H180 Ring
ET525DC-6Z	6Z Braided Collet	ET575SR-135A	H43032 Ring
ET525DC-8Z	8Z Braided Collet		
ET525DC-12Z	12Z Braided Collet		
ET525DC-16Z	16Z Braided Collet		
ET525DC-4S8	4S8 Spiral Collet		
ET525DC-4S12	4S12 Spiral Collet		
ET525DC-4S16	4S16 Spiral Collet		
ET525DC-4S20	4S420 Spiral Collet		
ET575DC-4S24	4S24 Spiral Collet		
ET575DC-4S32	4S32 Spiral Collet		

*SOLD SEPARATELY

Collet	Description	Part No.
ET525DC-10Z	10Z Braided Collet	F710081

F76380

ET1000TP-1001 Crimp Kit Conversion ET1000

Kit Includes:

Collet	Description	Spacer Ring	Description
ET313DC-4Z	4Z Braided Collet	ET313SR-090A	H180 Ring 4,6,8
ET313DC-6Z	6Z Braided Collet	ET425SR-150A	H180 Ring 12,16
ET313DC-8Z	8Z Braided Collet		
ET1000DC-12Z	12Z Braided Collet		
ET1000DC-16Z	16Z Braided Collet		
ET313DC-4S8	4S8 Spiral Collet		
ET1000DC-4S12	4S12 Spiral Collet		
ET1000DC-4S16	4S16 Spiral Collet		

FLUID POWER — WEATHERHEAD EQUIPMENT

ET1187

Description	Part No.
ET1187 Bench Mount Machine(No Pump)	F79923
ET1187 Bench Mount Bracket	F79924
ET1187 Truck Mount Machine(No Pump)	F79926
ET1187 Truck Mount Bracket	F79925
ET1000PK-001 2 Stage Hand Pump	F79919
ET1000PK-002 Air/Hydraulic Pump	F79920
ET1000PK-003 110 Volt Electric Pump	F79921
ET1000PK-004 12 Volt DC Electric Pump	F79922
ET4020TP-0002 Die Pkg for -4 thru -16 Braided and -6 thru -12 Spiral hose	F79927
FT1380-200-M420 Die for -16 Spiral	F79928
FT1380-200-M465 -20 Die for Braided Hose	F710065

The ET1187 machine is our most economical variable crimp machine to date. It boasts a broad crimp capability with a new "ease of use" that is sure to excite hose assemblers in the field. It's as simple as turning the collar to the correct color to match the layline on the hose, adjust the ring so that the correct size dot align with the correct size line on the collar and the machine is set for the correct crimp.

ET1000

Description	Part No.
ET1000 - Basic Machine only, (No Pump)	F78498
ET1000 - Machine with air/hydraulic pump*	F78500
ET1000 - Machine with 110v electric pump*	F78501
ET1000 - Adapter Ring req'd to use 'U' & 'Z' collets	F78595

The portable ET1000 crimp machine boasts a broad crimp capability with an ease-of-use that is sure to please hose assemblers. With four pump options—air/hydraulic, hand, 110V, or 12V DC—this portable machine comes equipped with a stand pre-drilled for mounting to a workbench or table-top.

T-420

Description	Part No.
T-420 w/110V Pump Kit and T420TP-1001 Tool Pkg	F78503
T-420 w/ 220V Pump Kit and T420TP-1001 Tool Pkg	F78502

The T-420 is a versatile machine ideal for your shop, factory, construction and mine locations. Large capacity combined with lever-activated crimping gives you wide coverage and a quick and simple way to make factory-quality hose assemblies.

FT1380

Description	Part No.
FT1380 Crimper Pkg 430'U' & 'Z' series	F78506

The FT1380 crimp machine crimps all your hose needs up to and including -20 spiral wire hose. The FT1380 is electronically controlled to give fast, accurate crimps the first time and every time you need a hose assembly. The electronic keypad is easy to adjust, with up to 10 programmable crimp settings. For hose styles and sizes used less frequently, simply enter the 3 digit code of that hose.

ET4001

Description	Part No.
ET4001 w/220V Pump	F78504
ET4001 w/220V Pump and ET4001TP-1002	F78505

The ET4001 is ideal for factory, high performance machine operations, construction and mine locations. This machine offers the capabilities of crimping all the crimp-style hose ends through -32. With this coverage, this heavy-duty crimper can handle all of your crimping needs.

Features:

- Can be mounted on service vehicles or bench tops
- Can be used remotely, 65lbs
- Can be powered with virtually any 10,000 psi hydraulic power source (minimum of 36 cu. Inch pump reservoir capacity is required)
- Utilizes existing FT1380 dies

Benefits:

- Color-coded collar for core hose products
- makes setup fast and easy
- Easily Transported between job sites
- Versatile power source options
- Lower investment cost than other variable crimpers
- Comes with high efficiency PFTE grease

Capabilities: -4 (1/4) thru -20 (1-1/4) Braided Hose
-6 (3/8) thru -16 (1) Spiral Hose



DROPSHIP ONLY

Features:

- Portable, positive stop, economical
- Can be mounted on service vehicles
- Utilizes 2-piece collet assemblies
- Spacer rings control the crimp diameter

Benefits:

- Sliding pusher allows for easier fitting insertion into the machine
- Simple positive-stop crimp diameter control system for consistent crimping time after time with no operator adjustments required
- Easily transported between job sites
- Versatile power source
- Electricity is required only when using an electric pump

Capabilities: -4 (1/4) thru -16 (1) Braided Hose
-6 (3/8) thru -16 (1) Spiral Hose



DROPSHIP ONLY

Features:

- Positive stop, economical
- Can be mounted on a bench or the C-40X cabinet
- Utilizes 2-piece collet assemblies
- Spacer rings control the crimp diameter

Benefits:

- Simple positive-stop crimp diameter control system for consistent crimping time after time with no operator adjustments required
- Versatile power source options
- Comes with high efficiency PFTE grease

Capabilities: -4 (1/4) thru -20 (1-1/4) Braided Hose
-6 (3/8) thru -20 (1-1/4) Spiral Hose



DROPSHIP ONLY

Features:

- User-friendly operation to minimize training and mistakes
- Pre-set crimp settings and simple die cage insertion reduce setup time
- Electronic controls for minimal maintenance
- Upright design for easy hose insertion
- Compact design that requires little space

Benefits:

- Easy and quick to electronically enter crimp settings
- Can pre-program 10 most popular crimp settings
- Die cages easily slip in and out of machine
- Machine capable of swaging thermoplastic hose and hose fittings
- Comes with high efficiency PFTE grease

Capabilities: -4 (1/4) thru -20 (1-1/4) Braided Hose
-6 (3/8) thru -20 (1-1/4) Spiral Hose



DROPSHIP ONLY

Features:

- Shop/work table mount, positive stop
- Features a two-stage pump providing high flow at low pressure for fast ram approach and low flow at high pressure for actual crimping

Benefits:

- Ideal for factory, construction and mine locations
- Crimps up to 2" 6 wire spiral hose
- Comes with high efficiency PFTE grease

Capabilities: -4 (1/4) thru -32 (2) Braided hose
-6 (3/8) thru -32 (2) Spiral hose



DROPSHIP ONLY

COUPLERS — MEGA CRIMP

HOSE COUPLINGS: MEGA CRIMP

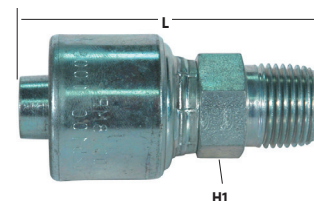
- **Typical Applications:** High Pressure Hydraulic Lines
- **Compatible Hoses:** G2, M2T, GTH
- **Material:** Premium Lead Free Steel

- **Plating:** TuffCoat™ (500% better corrosion resistance)
- **Key Features:** Robust “bite the wire” crimp, versatile, low profile, full-length crimp

MALE PIPE

Hose I.D.	Pipe Size	Thread Size	L Length	Hose Cut-Off Factor	H1 Hex	Gates Part No.	Part No.
1/4	1/8	1/8-27	1.97	15/16	1/2	4G-2MP	F785
1/4	1/4	1/4-18	2.17	1-9/64	9/16	4G-4MP	F77937
1/4	3/8	3/8-18	2.17	1-9/64	11/16	4G-6MP	F77300
1/4	1/2	1/2-14	2.44	1-27/64	7/8	4G-8MP	F73929
5/16	1/4	1/4-18	2.28	1-3/16	5/8	5G-4MP	FX37786
3/8	1/4	1/4-18	2.32	1-7/32	5/8	6G-4MP	F74165
3/8	3/8	3/8-18	2.32	1-7/32	11/16	6G-6MP	F73407
3/8	1/2	1/2-14	2.52	1-27/64	7/8	6G-8MP	F77097
1/2	3/8	3/8-18	2.72	1-15/64	13/16	8G-6MP	F76108
1/2	1/2	1/2-14	2.78	1-13/32	7/8	8G-8MP	F73987
1/2	3/4	3/4-14	2.95	1-31/64	1-1/16	8G-12MP	F7602
5/8	1/2	1/2-14	2.95	1-31/64	15/16	10G-8MP	F76720
5/8	3/4	3/4-14	2.89	1-27/64	1-1/16	10G-12MP	F71505
3/4	1/2	1/2-14	3.46	1-15/32	1-1/16	12G-8MP	F72508
3/4	3/4	3/4-14	3.46	1-15/32	1-1/16	12G-12MP	F76167
3/4	1	1-11 1/2	3.78	1-49/64	1-3/8	12G-16MP	F74560
1	3/4	3/4-14	3.94	1-45/64	1-3/8	16G-12MP	F77361
1	1	1-11 1/2	4.11	1-7/8	1-3/8	16G-16MP	F74095
1-1/4	1-1/4	1-1/4-11 1/2	4.45	2-1/8	1-3/4	20G-20MP	F74841

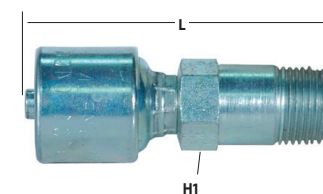
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



MALE PIPE LONG NOSE

Hose I.D.	Pipe Size	Thread Size	L Length	Hose Cut-Off Factor*	H1 Hex	Gates Part No.	Part No.
1/4	3/8	3/8-18	2.56	1-35/64	11/16	4G-6MPLN	F77368

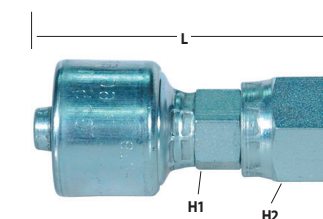
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FEMALE PIPE SWIVEL

Hose I.D.	Pipe Size	Thread Size	L Length	Hose Cut-Off Factor*	H1 Hex	H2 Hex	Gates Part No.	Part No.
1/4	1/4	1/4-18	2.24	1-7/32	1/2	11/16	4G-4FPX	F73983
3/8	3/8	3/8-18	2.37	1-17/64	5/8	7/8	6G-6FPX	F7327
1/2	1/2	1/2-14	2.81	1-21/64	13/16	1	8G-8FPX	F74353
3/4	3/4	3/4-14	3.72	1-45/64	1-1/16	1-1/4	12G-12FPX	F73104
1	1	1-11 1/2	4.11	1-7/8	1-3/8	1-1/2	16G-16FPX	F71477

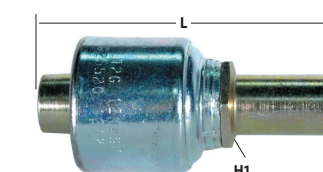
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



STANDPIPE STRAIGHT TUBE

Hose I.D.	Tube O.D.	L Length	B	Hose Cut-Off Factor*	H1 Hex	Gates Part No.	Part No.
3/4	3/4	3.58	1.16	1-9/16	1-1/16	12G-12NASP	F74265

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



COUPLERS — MEGA CRIMP (continued)

MALE PIPE SWIVEL

Hose I.D.	Pipe Size	Thread Size	L Length	Hose Cut-Off Factor	H1 Hex	H2 Hex	Gates Part No.	Part No.
1/4	1/4	1/4-18	2.61	1-37/64	1/2	11/16	4G-4MPX	F72846
1/4	3/8	3/8-18	2.75	1-23/62	5/8	7/8	4G-6MPX	F74906
1/4	1/2	1/2-14	2.97	1-15/16	3/4	1	4G-8MPX	F72645
3/8	1/4	1/4-18	2.87	1-49/64	5/8	7/8	6G-4MPX	F76458
3/8	3/8	3/8-18	2.81	1-23/32	5/8	7/8	6G-6MPX	F77615
3/8	1/2	1/2-14	3.05	1-15/16	3/4	1	6G-8MPX	F75068
1/2	3/8	3/8-18	3.23	1-49/64	13/16	7/8	8G-6MPX	F73792
1/2	1/2	1/2-14	3.42	1-15/16	13/16	1	8G-8MPX	F74229
5/8	3/4	3/4-14	3.48	2-3-32	1-1/16	1-5/16	10G-12MPX	FX37787
3/4	1/2	1/2-14	3.97	1-31/32	1-1/16	1	12G-8MPX	F75644
3/4	3/4	3/4-14	4.02	2	1-1/16	1-5/16	12G-12MPX	F76502
1	1	1-11/2	4.73	2-1/2	1-3/8	1-3/8	16G-16MPX	F7341

Note: Swivel for installation purposes only.

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

JIC 37° FLARE MALE

Hose I.D.	Tube I.D.	Thread Size	L Length	Hose Cut-Off Factor*	H1 Hex	Gates Part No.	Part No.
1/4	1/4	7/16-20	2.19	1-5/32	5/8	4G-4MJ	F73193
1/4	5/16	1/2-20	2.19	1-5/32	1/2	4G-5MJ	F7532
1/4	3/8	9/16-18	2.20	1-3/16	9/16	4G-6MJ	F77566
3/8	3/8	9/16-18	2.26	1-11/64	5/8	6G-6MJ	F71189
3/8	1/2	3/4-16	2.40	1-19/64	3/4	6G-8MJ	F74184
3/8	5/8	7/8-14	2.52	1-27/64	7/8	6G-10MJ	F71986
1/2	1/2	3/4-16	2.68	1-13/64	13/16	8G-8MJ	F77145
1/2	5/8	7/8-14	2.78	1-19/64	7/8	8G-10MJ	F75963
1/2	3/4	1-1/16-12	2.97	1-1/2	1-1/16	8G-12MJ	F75314
5/8	1/2	3/4-16	2.83	1-23/64	15/16	10G-8MJ	F71182
5/8	5/8	7/8-14	2.99	1-33/64	15/16	10G-10MJ	F72990
5/8	3/4	1-1/16-12	2.97	1-1/2	1-1/16	10G-12MJ	F71058
3/4	5/8	7/8-14	3.68	1-43/64	1-1/16	12G-10MJ	F77329
3/4	3/4	1-1/16-12	3.68	1-43/64	1-1/16	12G-12MJ	F759
3/4	1	1-5/16-12	3.62	1-39/64	1-5/16	12G-16MJ	F72773
1	7/8	1-3/16-12	4.11	1-7/8	1-3/8	16G-14MJ	F73380
1	1	1-5/16-12	4.11	1-7/8	1-3/8	16G-16MJ	F76552
1	1-1/4	1-5/8-12	4.29	1-1/16	1-3/4	16G-20MJ	F7762
1-1/4	1-1/4	1-5/8-12	4.43	1-5/64	1-3/4	20G-20MJ	F7121

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

FLAT FACE O-RING MALE RIGID (O-RING INCLUDED)

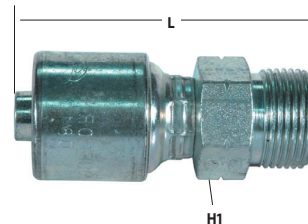
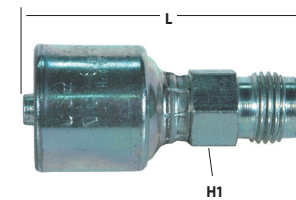
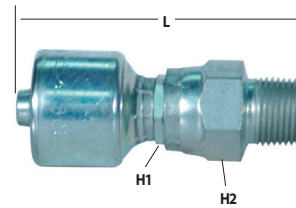
Hose I.D.	Thread Size	L Length	Hose Cut-Off Factor	H1 Hex	Gates Part No.	Part No.
1/4	9/16-18	2.87	1-3/94	M17	4G-4MFFOR	F76966
1/4	11/16-16	2.13	1-7/64	M19	4G-6MFFOR	F73245
5/16	11/16-16	2.20	1-7/64	M19	5G-6MFFOR	FX37791
3/8	1-14	2.52	1-27/64	M27	6G-10MFFOR	FX37792
3/8	11/16-16	2.80	1-7/64	M19	6G-6MFFOR	F77119
3/8	13/16-16	2.32	1-7/32	M22	6G-8MFFOR	F71688
1/2	13/16-16	2.87	1-13/32	M32	8G-12MFFOR	F71014
1/2	1-14	2.87	1-25/64	M27	8G-10MFFOR	F74515
1/2	13/16-16	2.69	1-7/32	M22	8G-8MFFOR	F74946
5/8	1-14	2.70	1-7/32	M27	10G-10MFFOR	F73207
5/8	13/16-12	2.83	1-23/64	M32	10G-12MFFOR	F72887
3/4	13/16-12	3.54	1-35/64	M32	12G-12MFFOR	F77211
3/4	17/16-12	3.74	1-47/64	M41	12G-16MFFOR	F75513
1	17/16-12	4.02	1-25/32	M41	16G-16MFFOR	F76785
1	11/16-12	4.13	1-57/64	M46	16G-20MFFOR	FX37789
1 1/4	11/16-12	4.29	1-31/32	M46	20G-20MFFOR	FX37790

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

SAE 45° FLARE MALE

Hose I.D.	Tube Size	Thread Size	L Length	Hose Cut-Off Factor*	H1 Hex	Gates Part No.	Part No.
3/8	3/8	5/8-18	2.28	1-3/16	5/8	6G-6MS	F71200
1/2	1/2	3/4-16	2.78	1-19/64	13/16	8G-8MS	F77321

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

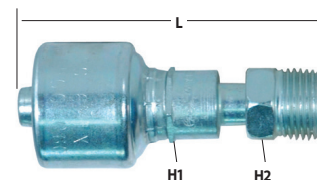


COUPLERS — MEGA CRIMP (continued)

SAE MALE INVERTED SWIVEL

Hose I.D.	Tube Size	Thread Size	L Length	Hose Cut-Off Factor	H1 Hex	H2 Hex	Gates Part No.	Part No.
1/4	1/4	7/16-24	2.52	1 1/2	1/2	7/16	4G-4MIX	F7408
1/4	5/16	1/2-20	2.75	1 1/2	1/2	1/2	4G-5MIX	F74963
3/8	3/8	5/8-18	2.75	1-21/32	5/8	5/8	6G-6MIX	F74119
3/8	7/16	11/16-18	2.76	1-21/32	5/8	11/16	6G-7MIX	F74495

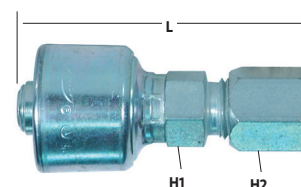
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



SAE MALE FLARELESS ASSEMBLY

Hose I.D.	Tube I.D.	Thread Size	L Length	Hose Cut-Off Factor*	H1 Hex	H2 Hex	Gates Part No.	Part No.
3/8	1/4	7/16-20	2.05	61/64	7/8	5/8	6G-4MFA	F71004
3/8	5/16	1/2-20	2.16	1-1/16	5/8	5/8	6G-5MFA	F7159
3/8	3/8	9/16-18	2.07	31/32	11/16	5/8	6G-6MFA	F72749
1/2	1/2	3/4-16	2.58	1-3/32	7/8	13/16	8G-8MFA	F76443
1/2	5/8	7/8-14	2.64	1-5/32	1	7/8	8G-10MFA	F7155

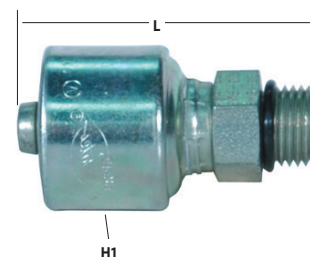
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



MALE O-RING BOSS (INCLUDES O-RING)

Hose I.D.	Tube I.D.	Thread Size	L Length	Hose Cut-Off Factor*	H1 Hex	Gates Part No.	Part No.
1/4	1/4	7/16-20	1.99	31/32	9/16	4G-4MB	F75455
1/4	5/16	1/2-20	1.99	31/32	5/8	4G-5MB	F74365
1/4	3/8	9/16-18	2.05	1-1/64	11/16	4G-6MB	F74117
3/8	3/8	9/16-18	2.07	31/32	11/16	6G-6MB	F72534
3/8	1/2	3/4-16	2.17	1-1/16	7/8	6G-8MB	F75064
3/8	5/8	7/8-14	2.22	1-1/8	1	6G-10MB	F77064
1/2	1/2	3/4-16	2.54	1-1/16	7/8	8G-8MB	F74219
1/2	5/8	7/8-14	2.58	1-7/64	1	8G-10MB	F73849
1/2	3/4	1-1/16-12	2.78	1-19/64	1-1/4	8G-12MB	F73660
5/8	1/2	3/4-16	2.83	1-23/64	1-1/4	10G-8MB	F73000
5/8	5/8	7/8-14	2.64	1-23/64	1	10G-10MB	F71211
3/4	3/4	1-1/16-12	3.33	1-21/64	1-1/4	12G-12MB	F77611
1	1	1-5/16-12	3.72	1-31/64	1-3/8	12G-16MB	F71994
1-1/4	1-1/4	1-5/8-12	3.82	1-1/2	1-7/8	20G-20MB	F73350

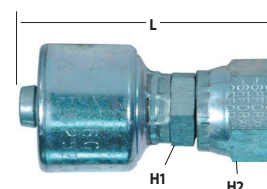
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FLAT FACE O-RING FEMALE SWIVEL

Hose I.D.	Tube Size	Thread Size	L Length	Hose Cut-Off Factor*	H1 Hex	H2 Hex	Gates Part No.	Part No.
1/4	1/4	9/16-18	2.15	1-1/8	9/16	11/16	4G-4FFORX	F78284
1/4	3/8	11/16-16	2.24	1-7/32	5/8	13/16	4G-6FFORX	F75822
3/8	1/4	9/16-18	2.24	1-5/32	21/32	11/16	6G-4FFORX	F72455
3/8	3/8	11/16-16	2.32	1-7/32	5/8	13/16	6G-6FFORX	F76355
3/8	1/2	13/16-16	2.52	1-27/64	3/4	15/16	6G-8FFORX	F77096
1/2	3/8	11/16-16	2.74	1-17/64	13/16	13/16	8G-6FFORX	F74301
1/2	1/2	13/16-16	2.89	1-27/64	13/16	15/16	8G-8FFORX	F73527
1/2	5/8	1-14	3.19	1-23/32	15/16	1-1/8	8G-10FFORX	F72924
1/2	3/4	1-3/16-12	3.32	1-27/32	15/16	1-3/8	8G-12FFORX	F72902
3/4	5/8	1-14	3.76	1-3/4	1-1/16	1-1/8	12G-10FFORX	F7707
3/4	3/4	1-3/16-12	3.78	1-49/64	1-1/16	1-3/8	12G-12FFORX	F7221
3/4	1	1-7/16-12	3.99	1-63/64	1-1/8	1-5/8	12G-16FFORX	F72802
1	1	1-7/16-12	4.46	2-15/64	1-3/8	1-5/8	16G-16FFORX	F74009
1	1-1/4	1-11/16-12	4.46	2-15/64	1-3/8	1-7/8	16G-20FFORX	F73409

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

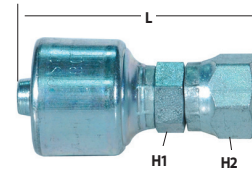


COUPLERS — MEGA CRIMP (continued)

SAE 45° FEMALE SWIVEL

Hose I.D.	Tube Size	Thread Size	L Length	Hose Cut-Off Factor*	H1 Hex	H2 Hex	Gates Part No.	Part No.
1/4	1/4	7/16-20	2.24	1-7/32	1/2	9/16	4G-4FSX	F72539
1/4	5/16	1/2-20	2.21	1-3/16	1/2	11/16	4G-5FSX	F76603
1/4	3/8	5/8-18	2.31	1-9/32	5/8	3/4	4G-6FSX	F74948
3/8	3/8	5/8-18	2.45	1-11/32	11-16	7/8	6G-6FSX	F75723
3/8	1/2	3/4-16	2.48	1-3/8	11-16	7/8	6G-8FSX	F74283
1/2	1/2	3/4-16	2.82	1-11/32	13/16	7/8	8G-8FSX	F74023
1/2	5/8	7/8-14	2.99	1-1/2	13/16	1-1/16	8G-10FSX	F7616
3/4	3/4	1-1/16-14	3.68	1-43/64	1-1/16	1-1/4	12G-12FSX	F76945

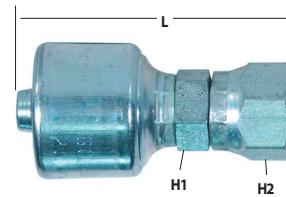
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



JIC 37° FEMALE SWIVEL

Hose I.D.	Tube Size	Thread Size	L Length	Hose Cut-Off Factor*	H1 Hex	H2 Hex	Gates Part No.	Part No.
1/4	1/4	7/16-20	2.20	1-5/64	1/2	9/16	4G-4FJX	F77782
1/4	5/16	1/2-20	2.30	1-3/16	1/2	11/16	4G-5FJX	F74939
1/4	3/8	9/16-18	2.35	1-3/16	9/16	3/4	4G-6FJX	F72489
3/8	1/4	7/16-20	2.30	1-13/64	5/8	9/16	6G-4FJX	F76854
3/8	3/8	9/16-18	2.42	1-3/16	5/8	3/4	6G-6FJX	F72218
3/8	1/2	3/4-16	2.63	1-3/8	11/16	7/8	6G-8FJX	F72855
3/8	5/8	7/8-14	2.76	1-1/2	13/16	1-1/16	6G-10FJX	F78280
3/8	3/4	1-1/16-12	2.91	1-1/2	13/16	1-1/16	6G-12FJX	F77530
1/2	3/8	9/16-18	3.81	1-5/32	13/16	3/4	8G-6FJX	F7608
1/2	1/2	3/4-16	2.88	1-11/32	13/16	7/8	8G-8FJX	F7624
1/2	5/8	7/8-14	3.01	1-31/64	13/16	1-1/16	8G-10FJX	F71281
1/2	3/4	1-1/16-12	3.06	1-11/16	1	1-1/4	8G-12FJX	F76143
1/2	1	1-5/16-12	3.52	1-11/16	1	1-1/4	8G-16FJX	F72772
5/8	1/2	3/4-16	4.06	1-27/64	15/16	7/8	10G-8FJX	F76655
5/8	5/8	7/8-14	3.14	1-9/16	15/16	1-1/16	10G-10FJX	F72753
5/8	3/4	1-1/16-12	3.20	1-37/64	1	1-1/4	10G-12FJX	F74057
5/8	7/8	1-3/16-12	3.39	1-29/32	1	1-3/8	10G-14FJX	FX37793
3/4	1/2	3/4-16	3.51	1-1/2	1-1/16	7/8	12G-8FJX	F78642
3/4	5/8	7/8-14	4.80	1-1/2	1-1/16	1-1/16	12G-10FJX	F75642
3/4	3/4	11/16-12	3.74	1-43/64	1-1/16	1-1/4	12G-12FJX	F78133
3/4	7/8	1-3/16-12	3.81	1-41/64	1-1/8	1-3/8	12G-14FJX	F71812
3/4	1	1-5/16-12	3.85	1-49/94	1-1/4	1-1/2	12G-16FJX	F77266
1	3/4	1-1/16-12	4.02	1-47/64	1-3/8	1-1/4	16G-12FJX	F73509
1	1	1-5/16-12	4.24	1-15/16	1-3/8	1-1/2	16G-16FJX	F71564
1	1-1/4	1-5/8-12	4.54	2-3/32	1-9/16	2	16G-20FJX	F73952
1-1/4	1-1/4	1-5/8-12	4.42	2-9/32	1-3/4	2	20G-20FJX	F71293

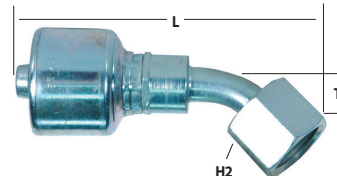
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FEMALE FLAT FACE O-RING SWIVEL 45° TUBE ELBOW

Hose I.D.	Tube Size	Thread Size	L Length	T	Hose Cut-Off Factor*	H2 Hex	Gates Part No.	Part No.
1/4	1/4	9/16-18	2.57	.39	1-35/64	11/16	4G-4FFORX45S	F7850
1/4	3/8	11/16-16	2.70	.43	1-43/64	13/16	4G-6FFORX45S	F75696
5/16	3/8	11/16-16	2.73	.43	1-5/8	13/16	5G-6FFORX45S	FX37794
3/8	3/8	11/16-16	2.75	.43	1-21/32	13/16	6G-6FFORX45S	F77793
3/8	1/2	13/16-16	3.35	.59	2-17/64	15/16	6G-8FFORX45S	F77468
1/2	1/2	13/16-16	3.50	.59	2-1/32	15/16	8G-8FFORX45S	F72700
1/2	5/8	1-14	3.98	.63	2-1/2	1-1/8	8G-10FFORX45S	F73949
1/2	3/4	1-3/16-12	4.34	.83	2-7/8	1-3/8	8G-12FFORX45S	FX37796
5/8	5/8	1-14	3.96	.63	2-31/64	1-1/8	10G-10FFORX45S	F71151
5/8	3/4	1-3/16-12	4.17	.83	2-11/16	1-3/8	10G-12FFORX45S	F72472
3/4	3/4	1-3/16-12	4.66	.83	2-21/32	1-3/8	12G-12FFORX45S	F74575
3/4	1	1-7/16-12	4.80	.94	2-51/64	1-5/8	12G-16FFORX45S	F78682
1	3/4	1-3/16-12	5.33	.83	2-63/64	1-3/8	16G-12FFORX45S	F78681
1	1	1-7/16-12	5.78	.94	2-55/64	1-5/8	16G-16FFORX45S	F74662

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

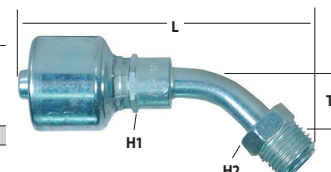


COUPLERS — MEGA CRIMP (continued)

SAE INVERTED MALE SWIVEL 45° TUBE ELBOW

Hose I.D.	Tube Size	Thread Size	L Length	T	Hose Cut-Off Factor*	H1 Hex	H2 Hex	Gates Part No.	Part No.
3/8	3/8	5/8-18	3.32	1.00	2-7/32	5/8	5/8	6G-6MIX45	F76991

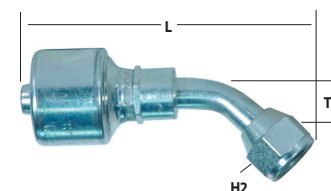
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



SAE 45° FEMALE SWIVEL 45° TUBE ELBOW

Hose I.D.	Pipe Size	Thread Size	L Length	T	Hose Cut-Off Factor	H2 Hex	Gates Part No.	Part No.
1/4	1/4	7/16-20	2.34	.33	1-21/64	1-9/16	4G-4FSX45	F75058
1/4	5/16	1/2-20	2.63	.36	1-39/64	5/8	4G-5FSX45	F77039
3/8	3/8	5/8-18	2.74	.39	1-41/64	3/4	6G-6FSX45	F7994
1/2	1/2	3/4-16	3.31	.55	1-53/64	7/8	8G-8FSX45	F72124
1/2	5/8	7/8-14	3.67	.63	2-3/16	1	8G-10FSX45	F73447

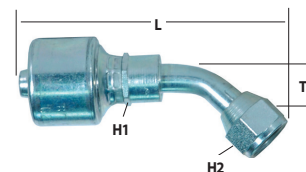
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



JIC 37° FEMALE SWIVEL 45° TUBE ELBOW

Hose I.D.	Pipe Size	Thread Size	L Length	T	Hose Cut-Off Factor	H2 Hex	Gates Part No.	Part No.
1/4	1/4	7/16-20	2.74	.39	1.72	9/16	4G-4FJX45S	F74205
1/4	5/16	1/2-20	2.59	.43	1.56	11/16	4G-5FJX45S	F72259
1/4	3/8	9/16-18	2.69	.43	1.67	3/4	4G-6FJX45S	F74421
3/8	1/4	7/16-20	2.86	.39	1.76	9/16	6G-4FJX45S	F75048
3/8	3/8	9/16-18	3.05	.43	1.95	3/4	6G-6GJX45S	F74077
3/8	1/2	3/4-16	3.51	.59	2.41	7/8	6G-8FJX45S	F72092
1/2	1/2	3/4-16	3.42	.59	1.95	7/8	8G-8FJX45S	F76142
1/2	5/8	7/8-14	3.81	.63	2.34	1-1/16	8G-10FJX45S	F73184
5/8	5/8	7/8-14	3.80	.63	2.32	1-1/16	10G-10FJX45S	F74059
5/8	3/4	1-1/16-12	4.57	.83	3.09	1-1/4	10G-12FJX45S	F77098
3/4	3/4	1-1/16-12	5.09	.83	3.08	1-1/4	12G-12FJX45S	F7605
3/4	1	1-5/16-12	5.24	.94	3.23	1-1/2	12G-16FJX45S	F72633
1	1	1-5/16-12	5.68	.94	3.44	1-1/2	16G-16FJX45S	F72776

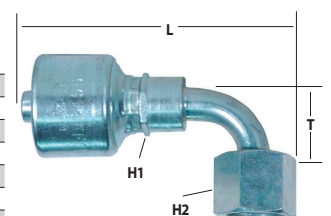
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FLAT FACE O-RING FEMALE SWIVEL 90° ELBOW SHORT DROP

Hose I.D.	Tube Size	Thread Size	L Length	T	Hose Cut-Off Factor*	H1 Hex	H2 Hex	Gates Part No.	Part No.
1/4	1/4	9/16-18	2.38	.82	1-11/32	1/2	11/16	4G-4FFORX90S	F71544
1/4	3/8	11/16-16	2.50	.90	1-15/32	1/2	13/16	4G-6FFORX90S	F7507
3/8	1/4	9/16-18	2.42	.82	1-21/64	5/8	11/16	6G-4FFORX90S	F74872
3/8	3/8	11/16-16	2.55	.90	1-7/16	5/8	13/16	6G-6FFORX90S	F76584
3/8	1/2	13/16-16	2.87	1.15	1-49/64	5/8	15/16	6G-8FFORX90S	F77077
1/2	3/8	11/16-16	2.98	.90	1-1/2	13/16	13/16	8G-6FFORX90S	F7273
1/2	1/2	1-3/16-16	3.30	1.14	1-53/64	15/16	15/16	8G-8FFORX90S	F71733
1/2	5/8	1-1/4	3.30	1.27	1-53/64	13/16	1-1/8	8G-10FFORX90S	F71525
1/2	3/4	1-3/16-12	4.06	1.88	2-37/64	15/16	1-3/8	8G-12FFORX90S	F74724
5/8	5/8	1-1/4	3.28	1.27	1-13/16	15/16	1-1/8	10G-10FFORX90S	F76303
3/4	5/8	1-1/4	4.13	1.26	2-1/8	1-1/16	1-1/8	12G-10FFORX90S	F76923
3/4	3/4	1-3/16-12	4.29	1.88	2-9/32	1-1/16	1-3/8	12G-12FFORX90S	F71224
1	1	1-7/16-12	5.11	2.21	2-7/8	1-3/8	1-5/8	16G-16FFORX90S	F73090
1-1/4	1-1/4	1-11/16-12	5.51	2.51	3-3/16	1-3/4	1-7/8	20G-20FFORX90S	F74522

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

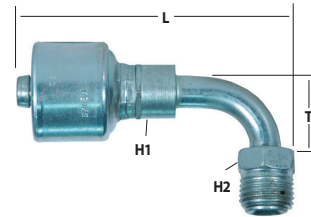


COUPLERS — MEGA CRIMP (continued)

SAE INVERTED MALE SWIVEL 90° TUBE ELBOW

Hose I.D.	Tube Size	Thread Size	L Length	T	Hose Cut-Off Factor*	H1 Hex	H2 Hex	Gates Part No.	Part No.
1/4	1/4	7/16-24	2.33	1.38	1-5/16	1/2	7/16	4G-4MIX90	F75803
1/4	5/16	1/2-20	2.46	1.38	1-7/16	1/2	1/2	4G-5MIX90	F73440
3/8	5/16	1/2-20	2.50	1.38	1-13/32	5/8	1/2	6G-6MIX90	F75509
3/8	3/8	5/8-18	2.80	1.38	1-45/64	5/8	5/8	6G-6MIX90	F72518
3/8	7/16	11/16-18	2.80	1.38	1-45/64	5/8	11/16	6G-7MIX90	F74751

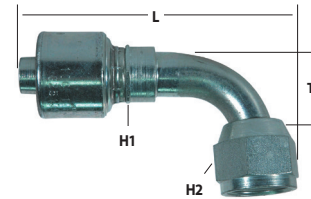
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



JIC FEMALE SWIVEL 90° ELBOW SHORT DROP

Hose I.D.	Tube Size	Thread Size	L Length	T	Hose Cut-Off Factor*	H2 Hex	Gates Part No.	Part No.
1/4	1/4	7/16-20	2.48	.83	1-15/32	9/16	4G-4FJX90S	F76058
1/4	5/16	1/2-20	2.45	.91	1-7/16	11/16	4G-5FJX90	F74934
1/4	3/8	9/16-18	2.80	.91	1-25/32	3/4	4G-6FJX90S	F75372
3/8	1/4	7/16-20	2.60	.83	1-1/2	9/16	6G-4FJX90S	F76794
3/8	3/8	9/16-18	3.09	.91	2	3/4	6G-6FJX90S	F72745
3/8	1/2	3/4-16	3.18	1.14	2-5/64	7/8	6G-8FJX90S	F71534
1/2	1/2	3/4-16	3.19	1.14	1-23/32	7/8	8G-8FJX90S	F7549
1/2	5/8	7/8-14	3.67	1.26	2-13/64	1-1/16	8G-10FJX90S	F76920
1/2	3/4	1-1/16-12	4.28	1.89	2-51/64	1-1/4	8G-12FJX90S	F74955
5/8	5/8	7/8-14	3.38	2.76	1-29/32	1-1/16	10G-10FJX90L	F71509
5/8	3/4	1-1/16-12	4.22	1.89	2-3/4	1-1/4	10G-12FJX90S	F72202
3/4	3/4	1-1/16-12	4.82	1.89	2-13/16	1-1/4	12G-12FJX90S	F75137
1	1	1-5/16-12	5.73	2.20	3-1/2	1-1/2	16G-16FJX90S	F71766
1-1/4	1-1/4	1-5/8-12	6.26	3.07	3-7/64	1-7/8	20G-20FJX90M	F73202

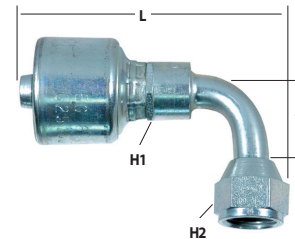
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



JIC 37° FEMALE SWIVEL 90° ELBOW MEDIUM DROP

Hose I.D.	Pipe Size	Thread Size	L Length	T	Hose Cut-Off Factor*	H2 Hex	Gates Part No.	Part No.
1/4	1/4	7/16-20	2.48	1.26	1-15/32	9/16	4G-4FJX90M	F76757
1/4	5/16	1/2-20	2.25	1.26	1-15/64	11/16	4G-5FJX90M	F78678
1/4	3/8	9/16-18	2.56	1.50	1-17/32	3/4	4G-6FJX90M	F74678
3/8	3/8	9/16-18	3.01	1.50	1-29/32	3/4	6G-6FJX90M	F76594
3/8	1/2	3/4-16	3.31	1.61	2-7/32	7/8	6G-8FJX90M	F78679
1/2	1/2	3/4-16	3.04	1.61	1-19/64	7/8	8G-8FJX90M	F76721
1/2	5/8	7/8-14	3.67	1.85	2-13/64	1-1/16	8G-10FJX90M	F78302
5/8	5/8	7/8-14	3.68	1.85	2-13/64	1-1/16	10G-10FJX90M	F72896
3/4	3/4	1-1/16-12	4.82	2.28	2-13/16	1-1/4	12G-12FJX90M	F7242
1	1	1-5/16-12	4.73	2.80	2-1/2	1-1/2	16G-16FJX90M	F75664
1-1/4	1-1/4	1-5/8-12	6.26	3.07	3-7/64	1-7/8	20G-20FJX90M	F73218

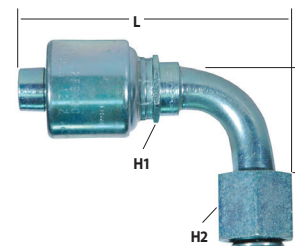
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



45° FEMALE SWIVEL 90° TUBE ELBOW

Hose I.D.	Tube Size	Thread Size	L Length	T	Hose Cut-Off Factor*	Hex H1	Hex H2	Gates Part No.	Part No.
3/4	3/4	1-1/16-14	3.94	2.78	1-15/16	1-1/16	1-1/4	12G-12FSX90	F77978

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

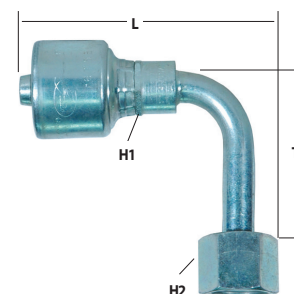


COUPLERS — MEGA CRIMP (continued)

FEMALE FLAT FACE O-RING SWIVEL 90° ELBOW LONG DROP

Hose I.D.	Tube Size	Thread Size	L Length	T	Hose Cut-Off Factor*	Hex H1	Hex H2	Gates Part No.	Part No.
1/4	1/4	9/16-18	2.17	1.80	1-5/32	1/2	11/16	4G-4FFORX90L	F74223
1/4	3/8	11/16-16	2.30	2.13	1-9/32	1/2	13/16	4G-6FFORX90L	F76570
3/8	3/8	11/16-16	2.48	2.13	1-3/8	5/8	15/16	6G-6FFORX90L	F7842
3/8	1/2	13/16-16	2.72	2.51	1-39/64	5/8	15/16	6G-8FFORX90L	F74858
1/2	1/2	13/16-16	3.30	2.52	1-53/64		15/16	8G-8FFORX90L	F7251
1/2	5/8	1-14	3.07	2.76	1-19/32	13/16	1-1/8	8G-10FFORX90L	F72574
5/8	5/8	1-14	3.05	2.76	1-9/16	15/16	1-1/8	10G-10FFORX90L	F74454
3/4	3/4	1-3/16-12	4.02	3.78	2	1-1/16	1-3/8	12G-12FFORX90L	F74441
1	1	1-7/16-12	4.53	4.50	2-9/32	1-3/8	1-5/8	16G-16FFORX90L	F7368
1-1/4	1-1/4	1-11/16-12	5.31	5.09	3	1-3/4	1-7/8	20G-20FFORX90L	F71095

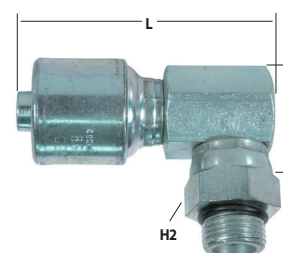
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



MALE O-RING BOSS SWIVEL 90° BLOCK ELBOW

Hose I.D.	Tube Size	Thread Size	L Length	T	Hose Cut-Off Factor*	Hex H1	Hex H2	Gates Part No.	Part No.
1/4	3/8	9/16-18	1.82	1.65	51/64	11/16	7/8	4G-6MBX90	F75965
3/8	3/8	9/16-18	1.96	1.67	55/64	3/4	7/8	6G-6MBX90	F74617
3/8	1/2	3/4-16	1.93	1.63	53/64	3/4	1	6G-8MBX90	F73968
3/8	5/8	7/8-16	1.95	1.69	55/64	3/4	1	6G-10MBX90	F76930
1/2	1/2	3/4-16	2.55	1.75	1-15/64	1	1	8G-8MBX90	F72675
1/2	5/8	7/8-14	3.27	1.81	1-51/64	1	1	8G-10MBX90	F71191
1/2	3/4	1-1/16-12	2.52	2.09	1-3/64	1	1-5/16	8G-12MBX90	F77586

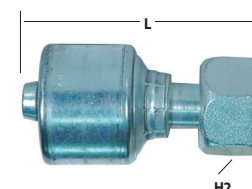
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



BRITISH STANDARD (BSPP) FEMALE PIPE SWIVEL

Hose I.D.	BSPP Pipe Size	Thread Size	L Length	Hose Cut-Off Factor	H2 Hex	Gates Part No.	Part No.
1/4	3/8	3/8-19	2.82	13/16	32	4G-6FBSPORX	F72422
3/8	3/8	3/8-19	1.74	41/64	22	6G-6FBSPORX	F73314
3/8	1/2	1/2-14	1.80	23/32	27	6G-8FBSPORX	F75355
1/2	1/2	1/2-14	2.19	45/64	27	8G-8FBSPORX	F77404
5/8	5/8	5/8-14	2.20	47/64	30	10G-10FBSPORX	F73819

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



7

JIC 37° FEMALE SWIVEL 90° ELBOW LONG DROP

Hose I.D.	Tube Size	Thread Size	L Length	T	Hose Cut-Off Factor*	Hex H2	Gates Part No.	Part No.
1/4	1/4	7/16-20	2.48	1.81	1-15/32	9/16	4G-4FJX90L	F75210
1/4	5/16	1/2-20	2.25	1.81	1-15/64	11/16	4G-5FJX90L	FX37800
1/4	3/8	9/16-18	2.73	2.13	1-45/64	3/4	4G-6FJX90L	FX37801
3/8	1/4	7/16-20	2.37	1.81	1-17/64	9/16	6G-4FJX90L	F76689
3/8	3/8	9/16-18	2.78	2.13	1-11/16	3/4	6G-6FJX90L	F71526
1/2	1/2	3/4-16	3.04	2.52	1-37/64	7/8	8G-8FJX90L	F78090
1/2	5/8	7/8-14	3.67	2.76	2-13/64	1-1/16	8G-10FJX90L	F73598
5/8	3/4	1-1/16-12	4.56	3.78	3-3/16	1-1/4	10G-12FJX90L	FX37797
3/4	3/4	1-1/16-12	4.82	3.78	2-13/16	1-1/4	12G-12FJX90L	F77620
3/4	7/8	1-3/16-12	4.23	3.94	2-7/32	1-3/8	12G-14FJX90L	FX37798
1	1	1-5/16-12	4.74	4.49	2-1/2	1-1/2	16G-16FJX90L	F71237
1-1/4	1-1/4	1-5/8-12	6.22	5.08	3-29/32	2	20G-20FJX90L	FX37799

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

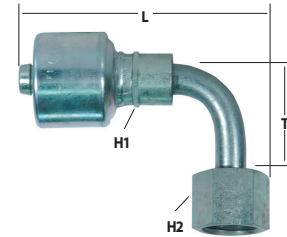


COUPLERS — MEGA CRIMP (continued)

FEMALE FLAT FACE O-RING SWIVEL 90° ELBOW MEDIUM DROP

Hose I.D.	Tube Size	Thread Size	L Length	T	Hose Cut-Off Factor*	Hex H2	Gates Part No.	Part No.
1/4	1/4	9/16-18	2.21	1.26	1-3/16	11-16	4G-4FFORX90M	F71643
1/4	3/8	11/16-16	2.50	1.50	1-15/32	15/16	4G-6FFORX90M	F71435
1/4	1/2	13/16-16	2.64	2.52	1-5/8	7/8	4G-8FFORX90L	F72438
3/8	3/8	11/16-16	2.50	1.50	1-13/32	15/16	6G-6FFORX90M	F74012
3/8	1/2	13/16-16	2.70	1.61	1-39/64	7/8	6G-8FFORX90M	F78013
1/2	1/2	13/16-16	3.30	1.61	1-53/64	7/8	8G-8FFORX90M	F72943
1/2	5/8	1-14	3.67	1.85	2-3/16	1-1/8	8G-10FFORX90M	F78683
5/8	5/8	1-14	3.65	1.85	2-11/64	1-1/8	10G-10FFORX90M	F78014
3/4	3/4	1-3/16-12	4.29	2.28	2-9/32	1-3/8	12G-12FFORX90M	F74880
1	1	1-7/16-12	5.11	2.80	2-7/8	1-1/2	16G-16FFORX90M	F74351
1-1/4	1-1/4	1-11/16-12	5.51	3.07	3-3/16	2	20G-20FFORX90M	FX37802

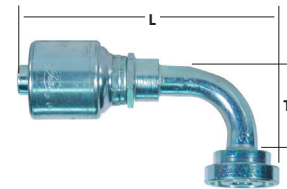
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



SPLIT FLANGE 90° TUBE ELBOW (SAE CODE 61)

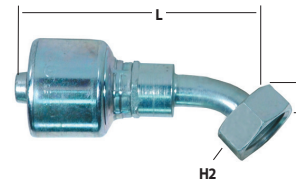
Hose I.D.	Nominal Flange Size	L Length	T	Hose Cut-Off Factor*	Dia M	F	Gates Part No.	Part No.
1/2	1/2	3.59	1.57	2-7/64	1.19	.27	8G-8FL90M	F7906
1/2	3/4	3.60	2.28	2-1/8	1.50	.27	8G-12FL90M	FX37803
3/4	3/4	4.54	2.28	2-17/32	1.50	.27	12G-12FL90M	F7871
3/4	1	4.72	2.40	2-23/32	1.75	.32	12G-16FL90S	F77066
1	1	5.48	2.40	3-1/4	1.75	.32	16G-16FL90S	F7765
1	1-1/4	5.48	2.68	3-1/4	2.00	.32	16G-20FL90S	F73092
1-1/4	1-1/4	6.22	2.68	3-29/32	2.00	.32	20G-20FL90S	FW453940
1-1/4	2	6.22	3.19	3-29/32	2.38	.32	20G-24FL90S	F76073

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



BRITISH STANDARD PIPE (BSPP) FEMALE PIPE SWIVEL 45 ELBOW

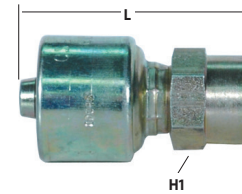
Hose I.D.	BSPP Pipe Size	Thread Size	L Length	Hose Cut-Off Factor*	Hex H2	Gates Part No.	Part No.
1/4	1/4	1/4-19	2.25	31.1mm	M19	4G-4FBSPORX45	F78860
3/8	3/8	3/8-19	2.63	39.0mm	M22	6G-6FBSPORX45	F78861
1/2	1/2	1/2-14	3.21	44.0mm	M27	8G-8FBSPORX45	F78862
3/4	3/4	3/4-14	4.54	64.4mm	M32	12G-12FBSPORX45	F78863



FEMALE PIPE RIGID

Hose I.D.	Pipe Size	Thread Size	L Length	Hose Cut-Off Factor*	Hex H1	Gates Part No.	Part No.
1/4	1/4	1/8-27	1.99	3-11/32	11/16	4G-4FP	F73006
3/8	1/4	1/4-18	2.01	29/32	11/16	6G-4FP	F73834
3/8	3/8	3/8-18	2.07	31/32	13/16	6G-6FP	F7598
3/8	1/2	1/2-14	2.25	1-5/32	1	6G-8FP	F72631
1/2	1/2	1/2-14	2.64	1-5/32	1	8G-8FP	F7943
3/4	3/4	3/4-14	3.23	1-7/32	1-1/4	12G-12FP	F73044

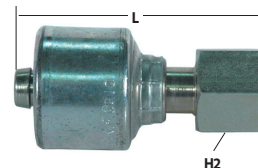
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FEMALE SWIVEL DIN 24° — LIGHT SERIES WITH O-RING

Hose I.D.	Pipe Size	Thread Size	L Length	Hose Cut-Off Factor*	Hex H2	Gates Part No.	Part No.
1/4	6	M12X1.5	2.04	1-1/8	14	4G-6FDLORX	F77957
1/4	8	M14X1.5	2.19	1-11/64	17	4G-8FDLORX	F75143
1/4	10	M16X1.5	2.18	1-5/32	19	4G-6FJX90L	F73871
1/4	12	M18X1.5	2.19	1-11/64	22	6G-4FJX90L	F78634
3/8	10	M16X1.5	2.25	1-5/64	19	6G-6FJX90L	F75887
3/8	12	M18X1.5	2.19	1-3/32	22	6G-8FJX90L	F77780
3/4	22	M30X2.0	3.38	1-9/32	36	8G-8FJX90L	F75951
1	28	M36X2.0	3.21	2-13/64	41	8G-10FJX90L	F71620
1-1/4	35	M45X2.0	3.56	1-47/64	50	10G-12FJX90L	F72424

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

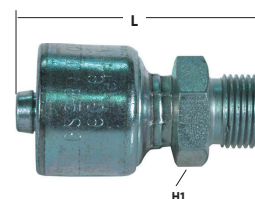


COUPLERS — MEGA CRIMP (continued)

MALE BRITISH STANDARD PIPE PARALLEL

Hose I.D.	BSP Pipe Size	Thread Size	L Length	Hose Cut-Off Factor*	Hex H1	Gates Part No.	Part No.
1/4	1/4	1/4-19	2.03	1	19	4G-4MBSPP	F73140
1/2	1/2	1/2-14	2.72	1-15/64	27	8G-8MBSPP	F7122

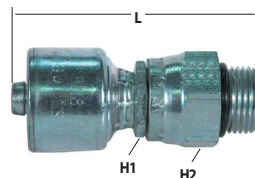
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



MALE O-RING BOSS SWIVEL

Hose I.D.	Tube Size	Thread Size	L Length	Hose Cut-Off Factor*	Hex H1	Hex H2	Gates Part No.	Part No.
3/8	3/8	9/16-18	2.73	1-5/8	5/8	7/8	6G-6MBX	F75197
3/8	1/2	3/4-16	2.74	1-41/64	3/4	1	6G-8MBX	F78067
1/2	1/2	3/4-16	3.11	1-41/64	13/16	1	8G-8MBX	F74133

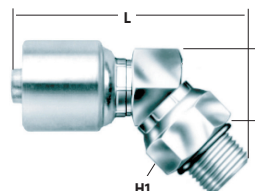
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



MALE O-RING BOSS SWIVEL — 45° BLOCK

Hose I.D.	Tube Size	Thread Size	L Length	T	Hose Cut-Off Factor*	Hex H1	Gates Part No.	Part No.
1/2	5/8	7/8-14	3.08	1.16	1-39/64	1	8G-10MBX45	F72042

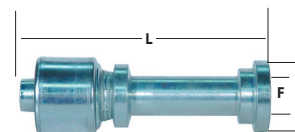
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



CODE 61 O-RING FLANGE

Hose I.D.	Nominal Flange Size	L Length	Hose Cut-Off Factor*	Dia M	F	Gates Part No.	Part No.
3/4	3/4	3.86	1-5/64	1.50	.27	12G-12FL	F77726
3/4	1	3.50	1-1/2	1.75	.32	12G-16FL	F73260
1	1	4.13	1-29/32	1.75	.32	16G-16FL	F74488
1	1-1/4	4.13	1-29/32	1.75	.32	16G-20FL	F7909
1-1/4	1-1/4	4.43	2-7/64	1.75	.32	20G-20FL	F7352

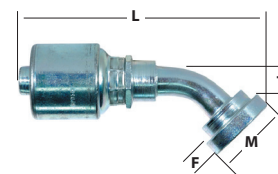
*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



SPLIT FLANGE 45° TUBE ELBOW (SAE CODE 61)

Hose I.D.	Nominal Flange Size	L	T	Hose Cut-Off Factor*	Dia M	F	Gates Part No.	Part No.
1	1	5.11	1.06	2-7/8	1.75	.32	16G-16FL45	F73613

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

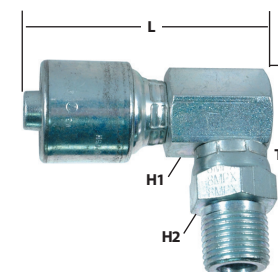


MALE PIPE SWIVEL 90° ELBOW

Hose I.D.	Pipe Size	Thread Size	L	T	Hose Cut-Off Factor*	Hex H1	Hex H2	Gates Part No.	Part No.
1/4	1/8	1/8-27	1.75	1.20	23/32	11/16	1/2	4G-2MPX90	F78635
1/4	1/4	1/4-18	1.75	1.62	23/32	11/16	11/16	4G-4MPX90	F75200
3/8	3/8	3/8-18	1.96	1.76	55/64	3/4	7/8	6G-6MPX90	F72992
1/2	1/2	1/2-14	2.55	2.05	1-5/64	1	8G-8MPX90	FW398899	
3/4	3/4	3/4-14	3.17	2.30	1-5/32	1-5/16	12G-12MPX90	F74663	

*To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

**Swivel for installation purposes only. Not to be used as a live swivel

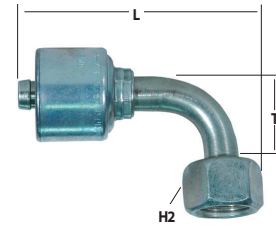


COUPLERS — MEGA CRIMP (continued)

FEMALE BRITISH STANDARD PIPE PARALLEL O-RING SWIVEL 90° ELBOW

Hose I.D.	BSPP Size	Thread Size	L	T	Hose Cut-Off Factor*	Hex H2	Gates Part No.	Part No.
3/8	3/8	3/8-19	2.24	1.26	1-11/32	22	6G-6FBSPORX90	F75353
1/2	1/2	12-14	2.87	1.48	1-18/32	27	8G-8FBSPORX90	F74243

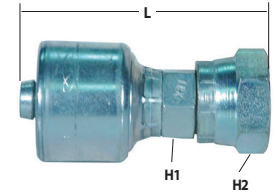
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FEMALE JIS SWIVEL

Hose I.D.	Pipe Size	Thread Size	L	Hose Cut-Off Factor*	Hex H1	Hex H2	Gates Part No.	Part No.
1/2	1/2	1/2-14	2.93	1-15/32	20	27	8G-8FJISX	F73086
3/4	3/4	3/4-14	3.67	1-43/64	27	32	12G-12FJISX	F72240

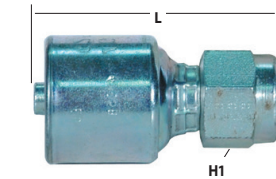
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FEMALE GREASE

Hose I.D.	Pipe Size	Thread Size	L	Hose Cut-Off Factor*	Hex H1	Gates Part No.	Part No.
1/4	1/2	1/2-27	1.87	55/64	11/16	4G-8FG	F72698

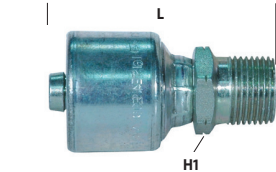
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



MALE BRITISH STANDARD PIPE TAPERED

Hose I.D.	Pipe Size	Thread Size	L	Hose Cut-Off Factor*	Hex H2	Gates Part No.	Part No.
3/8	3/8	3/8-19	1.95	1-1/32	19	6G-6MBSPT	F76382

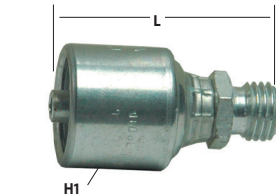
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



MALE DIN 24° CONE - LIGHT SERIES

Hose I.D.	Pipe Size	Thread Size	L Length	Hose Cut-Off Factor	H1 Hex MM	Gates Part No.	Part No.
1/4	6	M12X1.5	1.69	25/32	14	4G-6MDL	F74191
1/4	8	M14X1.5	1.97	15/16	17	4G-8MDL	F7348
3/8	10	M16X1.5	2.07	31/32	17	6G-10MDL	F71416
3/8	12	M18X1.5	2.07	31/32	19	6G-12MDL	F72546
1/2	15	M22X1.5	2.56	1-5/64	24	8G-15MDL	F73917
3/4	22	M30X2.0	3.15	1-9/64	32	12G-22MDL	F76876
1	28	M36X2.0	3.70	1-29/64	41	16G-28MDL	F74909

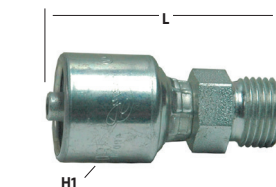
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



MALE DIN 24° CONE - HEAVY SERIES

Hose I.D.	Pipe Size	Thread Size	L	Hose Cut-Off Factor*	Hex H1	Gates Part No.	Part No.
1/4	8	M16X1.5	2.09	1-1/16	17	4G-8MDH	F71759
1/4	10	M18X1.5	2.07	1-1/16	19	4G-10MDH	F73505
5/16	12	M20X1.5	2.04	1-3/32	22	5G-12MDH	F7651
3/8	10	M18X1.5	2.07	31/32	19	6G-10MDH	F76563
3/8	12	M20X1.5	2.26	1-11/64	24	6G-12MDH	F72591
3/8	14					6G-14MDH	F71649
1/2	12	M18X1.5	2.42	1-9/64	24	8G-12MDH	F71476
1/2	16	M24X1.5	2.72	1-15/64	27	8G-16MDH	F71469
1	30	M42X2.0	3.48	1-43/64	46	16G-36MDH	F77558
1-1/4	38	M52X2.0	3.72	1-59/64	55	20G-38MDH	F75160

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

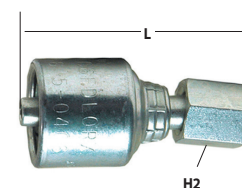


COUPLERS — MEGA CRIMP (continued)

FEMALE SWIVEL DIN 24° — LIGHT SERIES WITH O-RING

Hose I.D.	Pipe Size	Thread Size	L	Hose Cut-Off Factor*	Hex H2	Gates Part No.	Part No.
1	28	M36x2.0	3.21	1-29/64	41	12G-28FDLORX	F71620
1-1/4	35	M45x1.5	3.56	1-3/4	36	22G-35FDLORX	F72424

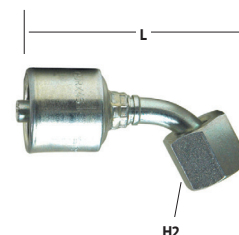
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FEMALE SWIVEL DIN 24° — LIGHT SERIES WITH O-RING 45° BENT TUBE

Hose I.D.	Pipe Size	Thread Size	L	Hose Cut-Off Factor*	Hex H2	Gates Part No.	Part No.
3/8	12	M18X1.5	2.71	1-39/64	22	6G-12FDLORX45	F76360
1/2	15	M22X1.5	2.72	1-55/64	27	8G-15FDLORX45	F75948
1	28	M36X2.0	4.87	3-7/64	41	16G-28FDLORX45	F72136
1-1/4	35	M45X2.0	5.48	3-11/16	50	20G-35FDLORX45	F77055

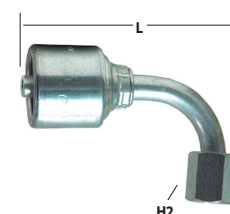
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FEMALE SWIVEL DIN 24° — LIGHT SERIES WITH O-RING 90° BENT TUBE

Hose I.D.	Pipe Size	Thread Size	L Length	Hose Cut-Off Factor	H2 Hex MM	Gates Part No.	Part No.
1/4	6	M12X1.5	2.27	1-39/64	14	4G-6FDLORX90	F77344
1/4	10	M16X1.5	2.27	1-55/64	19	4G-10FDLORX90	F72221
3/8	12	M18X1.5	2.37	3-7/64	22	6G-12FDLORX90	F72977
1/2	15	M22X1.5	3.06	3-11/16	27	8G-15FDLORX90	F77161
1	28	M36X2.0	4.69	2-15/16	41	16G-28FDLORX90	F71568
1-1/4	35	M45X2.0	5.07	3-17/64	50	20G-35FDLORX90	F71470

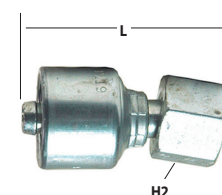
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FEMALE SWIVEL DIN 24° — HEAVY SERIES WITH O-RING

Hose I.D.	Pipe Size	Thread Size	L	Hose Cut-Off Factor*	Hex H2	Gates Part No.	Part No.
1/4	8	M16X1.5	2.14	1-1/8	19	4G-8FDHORX	F73097
1/4	10	M18X1.5	2.18	1-9/64	22	4G-10FDHORX	F77551
1/4	12	M20X1.5	2.19	1-11/64	24	4G-12FDHORX	F76268
3/8	10	M18X1.5	2.17	1-5/64	22	6G-10FDHORX	F72483
3/8	12	M20X1.5	2.19	1-7/64	24	6G-12FDHORX	F76744
1/2	12	M20X1.5	2.76	1-9/32	24	8G-12FDHORX	F73658
1/2	16	M24X1.5	2.69	1-21/64	30	8G-16FDHORX	F74002
3/4	20	M30X2.0	3.52	1-33/64	36	12G-20FDHORX	F76537
3/4	25	M36X2.0	3.54	1-35/64	46	12G-25FDHORX	F72287
1	25	M36X2.0	4.04	1-51/64	46	16G-25FDHORX	F71780
1	30	M42X2.0	3.70	1-15/16	50	16G-30FDHORX	F76707

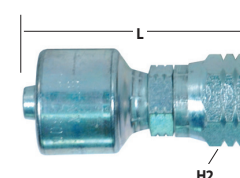
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FEMALE SWIVEL KOMATSU — STYLE JAPANESE METRIC

Hose I.D.	Pipe Size	L	Hose Cut-Off Factor*	Hex H1	Hex H2	Gates Part No.	Part No.
1/4	M14 x 1.5	2.22	1-3/16	9/16	3/4	4G-4FKX	F7741
1/4	M18 x 1.5	2.41	1-25/64	11/16	7/8	4G-6FKX	F73938
3/8	M18 x 1.5	2.47	1-3/8	11/16	7/8	6G-6FKX	F73700
1/2	M22 x 1.5	2.93	1-15/32	7/8	1-1/16	8G-8FKX	F74207
5/8	M24 x 1.5	3.09	1-5/8	1	1-1/8	10G-10FKX	F76525
3/4	M30 x 1.5	3.62	1-13/16	1-1/8	1-7/8	12G-12FKX	F75403
1	M33 x 1.5	4.51	2-9/32	1-3/8	1-5/8	16G-16FKX	F75445

* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.

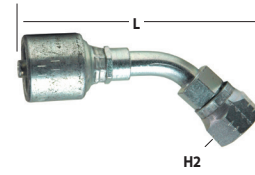


COUPLERS — MEGA CRIMP (continued)

FEMALE SWIVEL KOMATSU-STYLE JAPANESE METRIC 45° BENT TUBE

Hose I.D.	Thread Size	L Length	T	Hose Cut-Off Factor	H2 Hex	Gates Part No.	Part No.
1/4	M14X1.5	2.93	.75	1-29/32	19	4G-4FKX45	F76993
3/8	M18X1.5	3.64	1.10	2-35/64	24	6G-6FKX45	F74962
1/2	M22X1.5	3.85	.71	2-3/8	27	8G-8FKX45	F74293
5/8	M24X1.5	4.70	1.10	3-7/32	32	10G-10FKX45	F71016
3/4	M30X1.5	5.64	1.18	3-5/8	36	12G-12FKX45	F76021

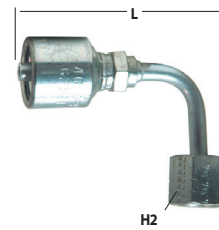
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



FEMALE SWIVEL KOMATSU-STYLE JAPANESE METRIC 90° BENT TUBE

Hose I.D.	Thread Size	L	Hose Cut-Off Factor*	Hex H1	Hex H2	Gates Part No.	Part No.
1/4	M14x1.5	1.50	1-11/16	1/2	3/4	4G-4FKx90M	F76567
3/8	M18x1.5	1.09	1-53/64	5/8	7/8	6G-6FKx90-028	F74176
1/2	M22x1.5	1.38	2	13/16	1-1/16	8G-8FKx90M	F72803
5/8	M24x1.5	2.57	1-31/32	15/16	1-1/4	10G-10FKx90M	F72181
3/4	M30x1.5	2.48	2-41/64	1-1/16	1-7/16	12G-12FKx90M	F73426

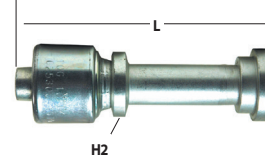
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



CODE 61 O-RING FLANGE — KOMATSU STYLE

Hose I.D.	Flange Size	L	Hose Cut-Off Factor*	M Dia	F	Gates Part No.	Part No.
5/8	5/8	3.15	1-43/64	1.50	.27	10G-10FLK	F71080

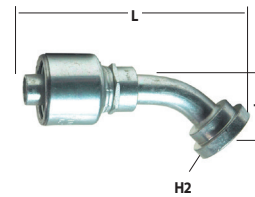
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



CODE 61 O-RING FLANGE — KOMATSU STYLE 45° BENT TUBE

Hose I.D.	Flange Size	L	Hose Cut-Off Factor*	M Dia	F	Gates Part No.	Part No.
5/8	5/8	6.00	3-45/64	1.40	.33	10G-10FLFK45M	F71217

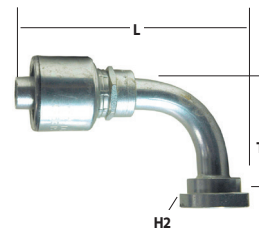
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



CODE 61 O-RING FLANGE — KOMATSU STYLE 90° BENT TUBE

Hose I.D.	Flange Size	L	Hose Cut-Off Factor*	M Dia	F	Gates Part No.	Part No.
5/8	5/8	3.90	2-27/64	1.35	.27	10G-10FLK90	F77094

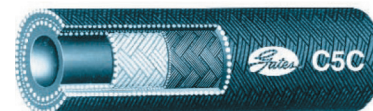
* To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly.



HOSES — GATES

C5C HYDRAULIC HOSE — SAE 100R5

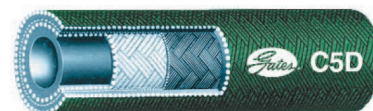
Hose I.D.	Hose O.D.	Work Press. (PSI)	Min Burst Press. (PSI)	Min. Bend Radius	Gates Part No.	Part No. Per Ft.	Reel Qty./Ft. ±10%
3/16	.52	3,000	12,000	3.0	4C5C	F7420	50
5/16	.67	2,250	9,000	4.0	6C5C	F75636	385
13/32	.77	2,000	8,000	4.6	8C5C	F72246	330
1/2	.92	1,750	7,000	5.5	10C5C	F74405	275



- **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 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).
- **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. For water emulsions, etc., see page C8. Avoid continuous use at maximum temperature concurrent with maximum working pressures.
- **Couplings:** C5 Field Attachable Couplings, Permanent PC Couplings.

C5D HIGH TEMP MULTIFLUID HOSE

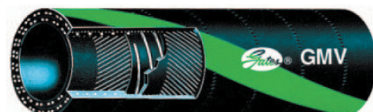
Hose I.D.	Hose O.D.	Work Press. (PSI)	Min Burst Press. (PSI)	Min. Bend Radius	Gates Part No.	Part No. Per Ft.	Reel Qty./Ft. ±10%
5/16	.67	1,500	6,000	1.8	6C5D	F71045	50
13/32	.77	1,250	5,000	2.0	8C5D	F74036	330



- **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).
- **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).
- **Couplings:** C5 Field Attachable Couplings.

GMV — MEGAVAC® RETURN LINE AND SUCTION HOSE - SAE 100R4 (Meets Flame Resistance Acceptance Designation "U.S. MSHA 2G")

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min Burst Press. (PSI)	Min. Bend Radius	Gates Part No.	Part No. Per Ft.	Reel Qty./Ft. ±10%
1	1.45	300	1200	3.0	16GMV	F76300	100
1-1/4	1.76	250	1000	4.0	20GMV	F7130	100
1-1/2	1.95	160	640	5.0	24GMV	F75952	100



- **Recommended For:** Petroleum and water-base hydraulic fluids in suction lines or in low pressure lines. Meets or exceeds requirements of SAE 100R4. Uses half the bend radius of SAE 100R4.
- **Tube:** Black, synthetic rubber is specifically designed for resistance to high temperatures (Nitrile - Type C).
- **Reinforcement:** Double spiral textile (braid for -12, 16, -20) reinforcement with a helical spiral-wire to prevent collapse.
- **Cover:** Black synthetic rubber cover, oil and abrasion resistant (Neoprene - Type A).
- **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).
- **Couplings:** MegaCrimp® Couplings (-12 through 20), GL Couplings (-24 and -32).

LOL LOCK-ON HOSE

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min Burst Press. (PSI)	Min. Bend Radius	Gates Part No.	Part No. Per Ft.	Reel Qty./Ft. ±10%
1/4	.47	300	1,200	3.0	4LOLA	F72607	475
3/8	.63	300	1,200	3.0	6LOLA	F77986	300
1/2	.77	300	1,200	5.0	8LOLA	F74937	300
5/8	.94	300	1,200	6.0	10LOLA	F74611	250
3/4	1.06	300	1,200	7.0	12LOLA	F72066	225



- **Recommended For:** Petroleum-base hydraulic oils, water, glycol anti-freeze 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).
- **Reinforcement:** One fiber braid.
- **Cover:** Oil and abrasion-resistant synthetic rubber (Modified Nitrile - Type C2). Available in black-Neoprene (LOLA)
- **Temperature Range:** -40°F to +212°F (-40°C to +100°C). For air: 160°F (+71°C) only.
- **Couplings:** Field attachable LOC, clamp over beaded nipple.

HOSES — GATES (continued)

GTH(C6H) HIGH-TEMP 1-FIBER BRAID HOSE — SAE 100R6

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min Burst Press. (PSI)	Min. Bend Radius	Gates Part No.	Part No. Per Ft.	Reel Qty./Ft. ±10%
1/4	.50	400	1,600	2.5	4GTH	F75172	775
5/16	.56	400	1,600	3.0	5GTH	F7848	650

- **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).
- **Reinforcement:** One fiber braid.
- **Cover:** Black, oil and abrasion resistant, synthetic rubber (Neoprene - Type A).
- **Temperature Range:** For hydraulic oil lines -40°F to +275°F (-40°C to +130°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time).
- **Couplings:** MegaCrimp® Couplings (except -3), Permanent PC Couplings (-3).



TH7NC NON-CONDUCTIVE HYDRAULIC HOSE — SAE 100R7

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min Burst Press. (PSI)	Min. Bend Radius	Gates Part No.	Part No. Per Ft.	Reel Qty./Ft. ±10%
3/8	.64	2250	9000	2.0	6TH7NC	F76227	250

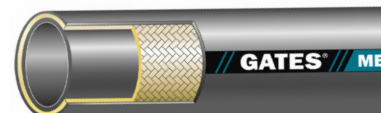
- **Recommended For:** Petroleum and synthetic fluids applications include power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts, and farm and construction machinery
- **Tube:** - (3/16" to 1/2") polyester
- **Reinforcement:** Braided synthetic fiber
- **Cover:** Orange urethane that resist hydraulic fluids, high temperatures, aging and weathering. Now pertorated for electrical non-conductivity
- **Temp Range:** -65°F to +200°F continuous service for petroleum and synthetic oils. Maximum of +158°F for water, water/oil emulsions, and water glycol
- **Couplings:** Megacrimp Couplings, Swage PCTS couplings



GATES MEGASYS MXT — SAE 100R16

Hose I.D.	Hose O.D.	Work Press (PSI)	Min Burst Press (PSI)	Min Bend Radius	Gates Part No.	Part No. Per Ft.	Reel Qty/FT ± 10%
1/4	0.57	5,800	23,200	2.0	4MXT	F710479	550
3/8	0.675	4,800	19,200	2.5	6MXT	F710480	400
1/2	0.795	4,000	16,000	2.75	8MXT	F710481	330
5/8	0.945	3,625	14,500	3.0	10MXT	F710482	220
3/4	1.08	3,125	12,500	4.75	12MXT	F710483	220
1	1.38	2,400	9,600	6.0	16MXT	F710484	165

- **Recommended For:** High pressure hydraulic oil lines. Meets or exceeds SAE 100R16 and 100R17 dimension and performance.
- **Tube:** Black, oil resistant, synthetic rubber tube.
- **Reinforcement:** Braided high-tensile steel wire reinforcement.
- **Cover:** Black, abrasion-resistant, synthetic rubber. Meets MSHA flame resistance.
- **Temperature Range:** -40°F to +212°F (-40°C to +100°C)
- **Couplings:** MegaCrimp Couplings



HOSES — GATES (continued)

M2T™ MEGAFLEX® 2-WIRE BRAID HOSE — SAE 100R16 (Meets Flame Resistance Acceptance Designation "U.S. MSHA 2G")

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min Burst Press. (PSI)	Min. Bend Radius	Gates Part No.	Part No. Per Ft.	Reel Qty./Ft. ±10%
1/4	.56	6000	24000	1.5	4M2T	F74965	550
3/8	.70	5000	20000	2.0	6M2T	F7782	385
1/2	.82	4300	17200	2.8	8M2T	F75519	330
5/8	.95	3800	15200	3.0	10M2T	F73928	220
3/4	1.11	3500	14000	3.8	12M2T	F74546	220
1	1.39	2500	10000	4.5	16M2T	F75420	165

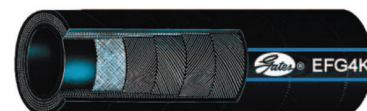
- **Recommended For:** High pressure hydraulic oil lines. Meets SAE 100R16. M2T hose has smaller exterior dimensions and significantly tighter bend radius.
- **Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C).
- **Reinforcement:** Two braids of high-tensile steel wire.
- **Cover:** Black, oil,abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Dual green stripe layline. Available with unique abrasion-resistant MegaTuff® cover.
- **Temperature Range:** -40°F to +212°F (-40°C to +100°C).
- **Couplings:** MegaCrimp® Couplings, Permanent Stainless Steel PC Couplings.



EFG4K SPIRAL WIRE HOSE — SAE 100R12 (Meets Flame Resistance Acceptance Designation "U.S. MSHA 2G") For Biodegradable Hydraulic Fluids

Hose I.D.	Hose O.D.	Work Press. (PSI)	Min Burst Press. (PSI)	Min. Bend Radius	Gates Part No.	Part No. Per Ft.	Reel Qty./Ft. ±10%
1/2	.94	4000	16000	3.5	8EFG4K	F75522	100
5/8	1.09	4000	16000	4.0	10EFG4K	F72340	100
3/4	1.21	4000	16000	4.7	12EFG4K	F75779	100
1	1.50	4000	16000	6.0	16EFG4K	F71915	100
1-1/4	1.85	4000	16000	8.2	20EFG4K	F7458	50

- **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 polyester, polyglycol and vegetable oil as well as standard petroleum-based fluids.** Available in 121' through 200' continuous lengths.
- **Tube:** Black, oil resistant, synthetic rubber tube (Nitrile - Type C).
- **Reinforcement:** Four alternating layers of spiraled, high-tensile steel wire reinforcement
- **Cover:** Black, oil resistant, synthetic rubber cover (Neoprene - Type A), dual blue stripe with white print layline, available with unique abrasion resistant MegaTuff® cover.
- **Temperature Range:** -40°F to +250°F (-40°C to +121°C).
- **Couplings:** GS Couplings.



FLUID POWER — GATES EQUIPMENT

(ALL EQUIPMENT WILL BE DROP SHIPPED FROM THE FACTORY)

*All Gates Equipment is sold separately. Order the crimper, power supply, dies, and spacer rings to fit your needs.

MOBILE CRIMP® 4-20 CRIMPER

This light-weight versatile crimper combines the latest crimping technology with old-fashioned toughness and durability.

POSITIVE STOP CONTROL

F72542

No settings necessary, 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.

*Order dies and spacer rings to fit your needs



- **Capacity:** Up to 1-1/4" 4 spiral-wire hose
- **Weight:** 57 lbs
- Two control options.

DIGITAL DIAL CONTROL

F74803

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.

*Order dies and spacer rings to fit your needs



MOBILE CRIMP® POSITIVE STOP SPACER RINGS

Description	Gates Part No.	Part No.
Spacer Ring B1	B1	F74109
Spacer Ring B3	B3	F72162
Spacer Ring R2	R2	F73093
Spacer Ring R3	R3	F72569
Spacer Ring R4	R4	F76394
Spacer Ring W2	W2	F77666
Spacer Ring W3	W3	F78016
Spacer Ring W4	W4	F72006

MOBILE CRIMP® DIE SETS

Description	Gates Part No.	Part No.
Die Set 1/4	MC21	F72283
Die Set 3/8	MC22	F75850
Die Set 1/2	MC33	F75864
Die Set 5/8	MC34	F75598
Die Set 3/4	MC35	F75689
Die Set 1	MC37	F72377

FLUID POWER — GATES EQUIPMENT (continued)

(ALL EQUIPMENT WILL BE DROP SHIPPED FROM THE FACTORY)

*All Gates Equipment is sold separately. Order the crimper, power supply, dies, and spacer rings that fit your needs.
Wide selection of pumps to match all your power needs

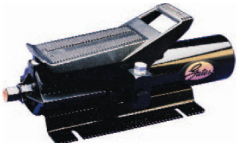
MOBILECRIMP® 4-20 POWER SOURCES

F74503
Hand Pump
No power source needed. Economical, convenient and portable for use anywhere. Make factory-quality assemblies in the field to minimize downtime.
Pressure Rating: 10,000 psi
Weight: 25.6 lbs.



SHOP AIR PUMP

F73328
Works off standard shop air (90 psi). Economical, convenient and versatile for use wherever 90 psi compressed air is available.
Pressure Rating: 10,000 psi
Weight: 10 lbs.



1/4 HP 12 VOLT DC PUMP

F73853
Mobile operation, runs on standard 12 volt car/truck battery or a 12 volt portable battery pack. Ideal for tough jobs in the field.
Pressure Rating: 10,000 psi
Weight: 20.5 lbs.



1/2 HP 115 VOLT AC PUMP

F76378
Medium speed. Economical. Recommended for a stationary or mobile application.
Pressure Rating: 10,000 psi
Weight: 32 lbs.



POWER CRIMP® 707

F72835
This crimper is precise, yet simple to use. Make factory-quality hose assemblies in just a few seconds. Crimps most hydraulic hoses from low pressure return lines to extremely high pressure spirals.
Capacity: 3/16" to 1-1/4" 4 spiral-wire hose
Weight: 188 lbs
Standard PC707 without die sets and power source, wired for 115 volts (includes die backup ring and a notched cone).



POWER CRIMP® PC707 POWER SOURCE

F7187
The flows of two fixed displacement pumps are combined to deliver a high volume of oil at low pressure for fast transversion.

115 Volt, 30 Amp, 1 H.P., 60 Cycles
Dimensions: 12" wide by 25" deep by 12" high.
Weight: 70 lbs
Maximum Working Pressure: 4,900 psi



POWER CRIMP® DIE SETS

Description	Gates Part No.	Part No.
Die Set 1/4	721	F72425
Die Set 3/8	722	F71362
Die Set 1/2	733	F71092
Die Set 5/8	734	F74537
Die Set 3/4	735	F71537
Die Set 1	737	F71898
Die Set 1-1/4	739	F72154

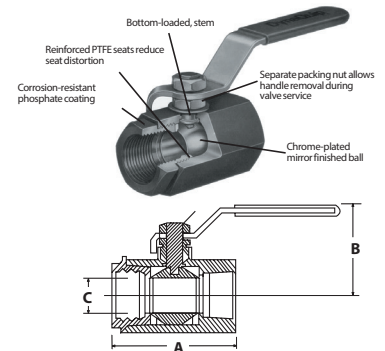
VALVES — BALL

CARBON STEEL BALL VALVES 2 - PIECE BODY

Nominal Size	Dim. A	Dim. B	Dim. C	Part No.
1/4	2.00	1.63	.40	F73480
3/8	2.00	1.63	.40	F72257
1/2	2.37	1.73	.54	F73926
3/4	2.90	2.08	.68	F72600
1	3.41	2.30	.88	F73756
1-1/4	3.94	2.76	1.00	F74737
2	4.98	3.54	1.50	F77220



- **Pressure Rating:** 2000 psi - 1/4" - 1"
1500 psi - 1-1/4" - 2"
- **Steam Rating:** 150 psi
- **Temperature Range:** -20° to 180°F
- **End Type:** Threaded
- **Handle:** Lever with vinyl grip
- **Full Port:** 1/4" - 3/8"
- **Standard Port:** 1/2" - 2"

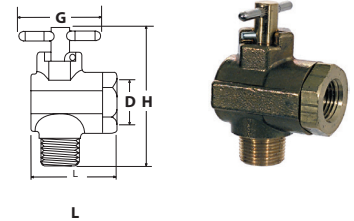


For Hydraulic, Petroleum and General Industrial Applications

BRASS BALL VALVES 90° ANGLE DESIGN

Nominal Size	D	G	H	L	Part No.
3/8	.50	1.50	2.78	1.68	F71055
1/2	.50	1.50	2.78	1.68	F73257

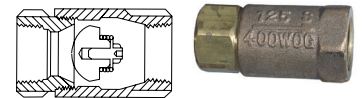
- Forged brass CDA377 body
- Chrome-plated brass ball
- Blow-out proof stem
- Easy-turn handle
- Made in USA
- **Pressure Rating:** Bottom port as inlet 600 PSI, Side port as inlet 100 PSI



BRASS BALL CONE CHECK VALVES

Size	Dixon Part No.	Part No.
1/4	61-101	F72354
3/8	61-102	F72608
1/2	61-103	F71653

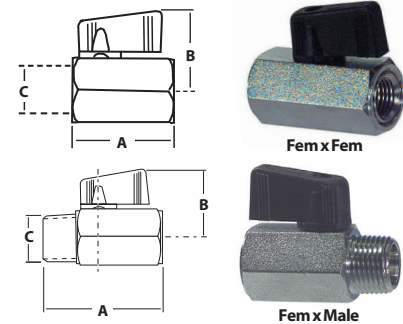
- For use with water, oil, air lines or inert gases
- Female x female NPT Ends
- Tight shut-off with liquid media
- **Pressure Rating:** 400 psig wog, cold non-show and 125 psig saturated steam
- **Temperature Range:** -20°F to 353°F



BRASS MINI BALL VALVE 1 - PIECE BODY (CHROME PLATED)

Nominal Size	Dim. A	Dim. B	Dim. C	Fem x Fem Part No.	Fem x Male Part No.
1/4	1.71	1.12	.314	F73096	F74443
3/8	1.71	1.12	.314	F78210	F7567
1/2	2.11	1.20	.393	F73429	F71609

- **Connection Type:** FNPT x MNPT or FNPT x FNPT
- **Port:** Full
- **Max Pressure:** 450 psi CWP
- **Max Steam Pressure:** 150 psi WSP
- **Temperature Range:** -20 to 370°F



BRASS BALL VALVE - PREMIUM 2 - PIECE FORGED BODY

Nominal Size	Dim. A	Dim. B	Dim. C	Threaded Part No.
1/4	1.746	1.278	.395	F75719
3/8	1.756	1.278	.407	F71356
1/2	2.047	1.921	.583	F75558
3/4	2.362	2.087	.748	F78323
1	2.756	2.559	.945	F77093
1-1/4	3.307	2.953	1.260	F7603
1-1/2	3.661	3.346	1.575	F75057
2	4.181	3.681	1.969	F76705

- **Pressure Rating:** 600 psi Wog
- **Steam Rating:** 150psi
- **End Type:** Threaded
- **Handle:** Lever with vinyl grip
- **Full Port**
- Conform to MSS-SP-110, MSS-SP-25 and Federal specification WW-V-35B Type I, Class A Style 3
- Suitable for Potable water systems



LEVER HANDLE FOR PREMIUM BALL VALVES

Size	Part No.
1/4-1/2	F73956
3/4-1	F72170
1-1/4-1-1/2	F78119
2	F72751



LOCK DEVICE FOR PREMIUM BALL VALVE

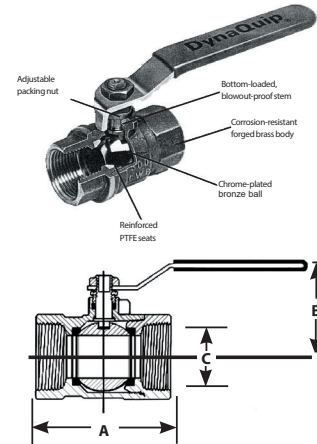
Size	Part No.
2	F72473



VALVES — BALL (continued)

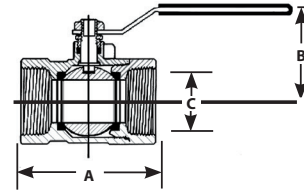
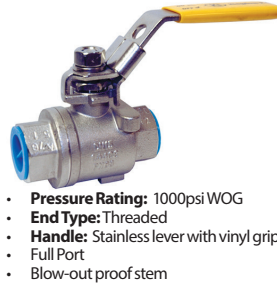
BRASS BALL VALVES 2 - PIECE BODY

Nominal Size	Dim. A	Dim. B	Dim. C	Threaded Part No.	Sweat Part No.
1/4	1.746	1.278	.395	F73169	
3/8	1.756	1.278	.407	F75800	
1/2	2.047	1.921	.583	F76904	F72049
3/4	2.362	2.087	.748	F71636	F73899
1	2.756	2.559	.945	F74158	F7106
1-1/4	3.307	2.953	1.260	F77830	F77851
1-1/2	3.661	3.346	1.575	F72993	
2	4.181	3.681	1.969	F72788	F72430



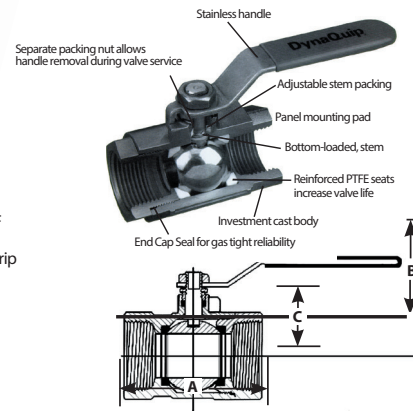
316 STAINLESS STEEL BALL VALVES — IMPORT 2 - PIECE BODY

Nominal Size	Dim. A	Dim. B	Dim. C	Part No.
1/4	2.283	2.283	0.925	F71097
3/8	2.283	2.283	0.925	F74835
1/2	2.44	2.283	0.984	F73671
3/4	2.85	2.52	1.26	F75054
1	3.346	3.031	1.614	F7795
1-1/4	3.701	3.268	1.969	F71627
1-1/2	4.134	3.78	2.283	F74859
2	4.921	4.016	2.756	F7332



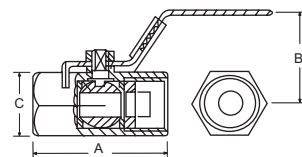
STAINLESS STEEL BALL VALVES 2-PIECE BODY

Nominal Size	Dim. A	Dim. B	Dim. C	Part No.
1/4	2.00	1.64	.40	F7711
3/8	2.00	1.64	.40	F76515
1/2	2.37	1.75	.54	F77236
3/4	2.90	2.13	.68	F74597
1	3.50	2.30	.88	F74338
1-1/4	3.94	2.77	1.00	F76370
2	5.00	3.17	1.50	F75901



STAINLESS STEEL BALL VALVES UNIBODY

Nominal Size	Dim. A	Dim. B	Dim. C	Part No.
1/4	1.65	1.50	.20	F76560
3/8	1.77	1.57	.31	F77445
1/2	2.09	1.65	.37	F72831
3/4	2.32	1.97	.50	F7107
1	2.68	2.09	.63	F73594



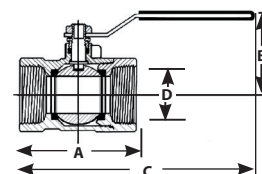
VALVES — BALL (continued)

STAINLESS STEEL UNI-BODY 2000# BALL VALVE

Nominal Size	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Part No.
1/4	.38	1.14	2.21	1.64	3.87	F71127
3/8	.38	1.14	2.21	1.64	3.87	F7293
1/2	.38	1.14	2.21	1.64	3.87	F78227
3/4	.50	1.33	2.70	1.78	3.87	F76881
1	.63	1.51	3.03	2.00	4.78	F74232

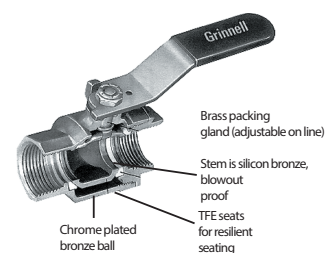


- **Pressure Rating:** 2000 psi
- **Steam Rating:** 150 psi
- **Temperature Range:** -20° to 425°F
- **End Type:** Threaded
- **Material:** Body-A351-CF8M Lever-304SS Ball-A276-316
- **Made in USA**

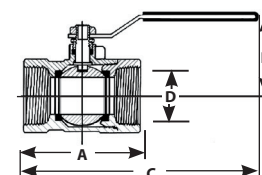


BRONZE BALL VALVES 2-PIECE BODY

Nominal Size	Dim. A	Dim. B	Dim. C	Dim. D Port	Part No.
1/4"	2	1 3/4	5	3/8	F71443
3/8"	2	1 3/4	5	3/8	F71445
1/2"	2 7/16	1 7/8	5 3/16	1/2	F72297
3/4"	2 15/16	2 1/4	6 1/4	3/4	F72426
1"	3 11/32	2 3/8	6 7/16	1	F73176
1 1/4"	3 15/16	2 5/8	6 3/4	1	F71689
1 1/2"	4 5/16	3	8 29/32	1 1/4	F71885
2"	4 5/8	3 1/4	9 1/16	1 1/2	F75257



- **For Commercial and Industrial Applications**
- **Pressure Rating:** 600 psi
- **Steam Rating:** 150 psi
- **Temperature Range:** -20° to +370°F max
- **End Type:** Threaded
- **Handle:** Lever with vinyl grip
- **Federal Specifications:** WW-V-35, Type II, Class A, Style 3
- **Large Port**



BALL VALVE LATCH LOCK LEVERS

For Sizes	Part No.
1/4" to 1/2"	F72973
3/4" to 1"	F77141
1-1/4" to 2"	F71177

- Replacement levers for locking security (lock not included)



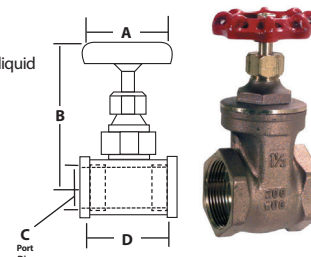
7

VALVES — GATE

BRASS GATE VALVES

Nominal Size	Dim. A	Dim. B	Dim. C	Dim. D	Part No.
1/4	2.09	2.91	0.31	1.57	F72696
3/8	2.09	2.91	0.39	1.61	F73507
1/2	2.09	3.00	0.51	1.70	F73713
3/4	2.09	3.54	0.75	1.89	F78126
1	2.28	3.94	0.98	2.09	F75216
1-1/4	2.87	4.65	1.26	2.32	F77897
1-1/2	2.87	5.12	1.50	2.48	F75584
2	3.31	5.75	1.97	2.72	F76087

- Use as main fluid shutoff in plumbing systems and liquid piping systems where positive
- **Pressure Rating:** 200 psi wog
- **Temperature Range:** -20° to 150°F
- **Bonnet Type:** Screw-in design



COUPLERS & PLUGS CROSSOVER

Amflo Part No.	ARO	Milton Part No.	Lincoln Part No.	Tru-Flate Part No.	Part No.
	23102-200	711	612004/632004	13-234/13-235	F73999
C20	23102-212	715	611004/631004	13-224/13-225	F78174
C21	23102-022	716	617004/637004	13-264	F72209
C20-42	23902-210	717	612006/632006	13-263	F72596
C20-23	MSCF23-000	718		13-236	F78050
C21-03	MSCM23-000	719		13-226	F74438
CP21	23902-200	727	630101	12-224/12-225	F74307
CP20	23902-220	728	630204	12-234/12-235	F77955
CP20-23	23902-3	732		12-236	F77731
CP21-03	23902-310	733		12-226	F76653
CP21-42	210	736	630704	12-264	F77529
61-240-10		745			F73561
61-241-10		746			F71026
C40B	MSCF22-X00	755		13-755	F76704
C41B	MSCM22-X00	756		13-756	F78250
C38	2608	775	862	13-334/13-335	F76596
C37/C45	210-212	776		13-324/13-325	F77278
CP37		777	13331	12-324/13-325	F74684
CP38		778		12-334/12-335	F78008
CP1		783		12-124/12-125	F72958
CP2		784		12-134/12-135	F71672
C2		785		13-134/13-135	F72447
C1		786		13-124/13-125	F7614
C2-23	TFCH23-000	788		13-138	F7844
C28		790	815	13-434/13-435	F72978
CP27		791	11659	13-424/13-425	F7313
CP28		792	11661	12-434/12-435	F71399
C27	LNCM22-000	794		13-424/13-425	F77103
C30		795			F7318
C31		796			F73101
CP33		797			F77349
CP34		798			F74240
C20-426	MSCP22-000	1717-4			F7166
C20-44L	MSCP23-000	1717-6			F71750
CP21-42L	23902-228	1736-4			F74321
CP21-44L	TFPP23-000	1736-6			F72799
C6-44L	TFPP23-000	1746-6			F74426
CP5-44L	210-227	1747-6			F7449
CP37-42L		1777-4			F74926
CP37-44L	TFPP22-000	1777-6			F77180

Amflo Part No.	ARO	Milton Part No.	Lincoln Part No.	Tru-Flate Part No.	Part No.
CP1-42L	TFPP23-000	1783-4			F7512
CP1-44L	TFCH22-000	1783-6			F71833
C2-42L	TFCH23-000	1786-4			F75229
C2-44L	MSCP33-000	1786-6			F78156
C26-44L	23903-28	1796-6			F78184
CP25-44L		1797-6			F71528
C8	TFCH32-000	798		13-610/13-611	F7908
C6	TFCH33-00	1803	5874	13-612/13-613	F71569
CP5	TFPM33-00	1805	5875	12-604/12-605	F74798
CP6	TFPP33-000	1808	5876	12-612	F7578
CP7	TFPM32-000	1809		12-602/12-603	F76925
CP8	TFPP32-000	1810		12-610	F74267
C9-03	TFCH43-000	1814		13-702	F71035
C10	TFCH44-000	1815	652008	13-712/13-713	F75074
C9	TFCH44-000	1816		13-704	F75766
CP9	TFPM44-000	1817		12-712	F77691
CP10	TFPP44-000	1818	642006	13-536/13-537	F7120
C26-22	MSCM32-000	1833			F74643
C25-02					F71405
C26	23103-300	1835	642006	13-536/13-537	F71186
C25	23103-313	1836	641006	13-536/13-546	F76181
C26-44	MSCH33-000	1836-6			F74481
CP25	23903-310	1837	640106	12-526/12-527	F71930
CP25-44	23903-240	1837-6			F75681
CP26	23903-300	1838	640206	12-536	F73680
CP25-02	23903-210	1839	640104		F77617
CP26-22	23903-200	1840	640204		F75959
C10-23	TFCH43-000	1813		13-710	F78020
		1855			F72223
CP17	23904-410	1857		12-752	F76971
CP18	23904-400	1858	650208	12-762	F73520
CP17-03	23904-310	1859	650106		F72563
C36	310	1875			F77465
CP35	3804	1877			F73988
C20-44	MSCH23-000	717-6		13-266	F76322
CP21-44	23902-420	736-6		12-266	F73666
C38-42	210-022	7764			F76780
CP1-42	TFPH22-000	783-4		12-117	F73037
CP1-44	TFPH23-000	783-6			F75164
C2-44	TFCH23-000	786-6			F75643

COUPLERS — AIR



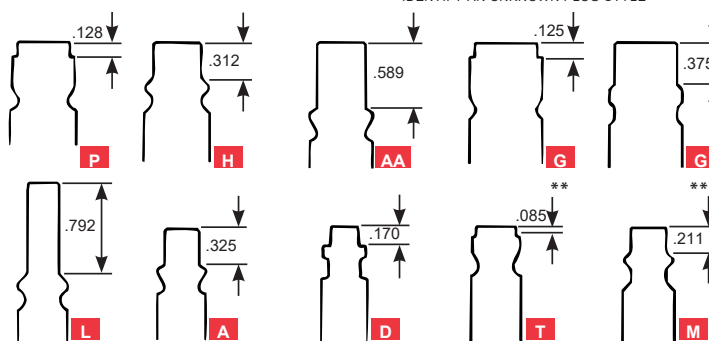
STYLES AVAILABLE

BASIC SIZE — This defines the air handling capacity of the coupler. The most popular size for automotive shop use is the 1/4" basic size, 35 SCFM (Standard Cubic Feet per Minute). This size coupler readily connects and disconnects under normal air line pressure. The 3/8" basic size will handle air volumes up to about 60 SCFM. For air volumes above this, use the 1/2" basic size. These sizes are not intended to be connected or disconnected under normal line pressure. Do not confuse the basic size with the pipe thread size. The latter specifies only the size of the pipe fitting the couple or plug connects to and nothing to do with air volume.

STYLE — Ten different coupler/plug styles are in current automotive and industrial usage. They were originally developed by different coupler manufacturers. These is no advantage of one over the other, although the Industrial Interchange type (Styles M, H & G) are the most popular. Normally, the various styles are not interchangeable. But all couplers and plugs bearing the same letter (e.g., M-style) will work together. Notice there are two G-styles with different plug designs; these are interchangeable.

Maximum inlet pressure: 300 PSI.
Seals: Buna-N
Threads: NPT

USE THESE FULL-SIZE DRAWINGS TO IDENTIFY AN UNKNOWN PLUG STYLE



Warning: These couplers are for use with shop air only.
Maximum inlet pressure: 300 PSI.

COUPLERS — AIR (continued)

1/4" INDUSTRIAL COBLO COUPLER BLOW GUN F79930

- 1/4" Industrial with 1/4" Female NPT
- High quality 6-ball coupler
- Works with tool connected or disconnected
- **MAX working pressure:** 120 PSI
- Already on your hose and ready to use
- Easy push button trigger



5-IN-1 SAFE EX CO 1/4X1/4 MPT F710503

- This 5-in-1 Safety Exhaust Coupler reduces the possibility of injury to nearby personnel or damage to surrounding equipment from a whipping hose that is disconnected while pressurized air is still in the line
- This coupler is designed to remain connected to the plug until the downstream air is completely bled off



3/8" FPT 1/4" BODY 5-IN-1 SAFETY EXHAUST COUPLER F710056

- Fits the 5 most popular style plugs
ARO Interchange
Industrial Interchange
Automotive (Tru-Flate) Interchange
Lincoln Interchange
EURO(Megaflow) Interchange
- Chrome Plated Steel and Aluminum
- Automatically connects under zero pressure
- Safely vents and disconnects under zero pressure, no whip



1/4" FPT 5-IN-1 SAFETY EXHAUST COUPLER F79929

- Fits the 5 most popular style plugs
ARO Interchange
Industrial Interchange
Automotive (Tru-Flate) Interchange
Lincoln Interchange
EURO(Megaflow) Interchange
- Chrome Plated Steel and Aluminum
- Automatically connects under zero pressure
- Safely vents and disconnects under zero pressure, no whip



1/4" BASIC SIZE - 3 WAY COUPLER

Accepts the three most popular 1/4" basic styles plugs sold in the U.S.

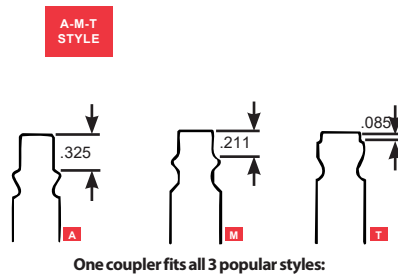
- 'A' Style -- ARO (210)
- 'M' Style -- Milton (Industrial Interchange)
- 'T' Style -- True-Flate or Parker (Automotive)

Rust resistant -- made of **Heavy Duty** brass.

Push Type -- body engages automatically.

Drag Guard Virtually eliminates accidental disconnection.

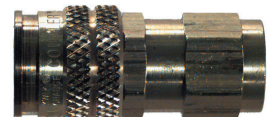
Ideal when unsure what coupler you may need.



One coupler fits all 3 popular styles:



F71026
Male 1/4" NPT



F73561
Female 1/4" NPT

1/4" BASIC SIZE INDUSTRIAL INTERCHANGE SERIES

'M' STYLE BODIES ARE BRASS, WITH BRASS SLEEVES.
ALL 'M' STYLE PLUGS ARE CASE HARDENED STEEL.

COUPLERS

F78174
Female 1/4" NPT

F72757
Female 1/4" NPT
Stainless

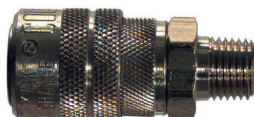
F78050
Female 3/8" NPT

F72209
Male 1/4" NPT

F74438
Male 3/8" NPT

F72596
1/4" Barb

F76322
3/8" Barb



F73999
1/4" Female Coupler + 1/4" Male Plug



PLUGS

F74307
Male 1/4" NPT

F75912
Male 1/4" NPT
Stainless

F76653
Male 3/8" NPT

F77955
Female 1/4" NPT

F71783
Female 1/4" NPT
Stainless

F77731
Female 3/8" NPT

F77529
1/4" Barb

F73666
3/8" Barb



FLUID POWER

8 Valves & Couplers

COUPLERS — AIR (continued)

1/4" BASIC SIZE — PUSH-ON TYPE INDUSTRIAL INTERCHANGE SERIES

"M" STYLE BODIES ARE BRASS, WITH BRASS SLEEVES.
ALL "M" STYLE PLUGS ARE CASE HARDENED STEEL.

COUPLERS

F78250
1/4" Male NPT



F76704
1/4" Male NPT

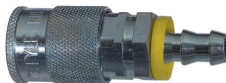


1/4" BASIC SIZE — PUSH-ON AND LOCK INDUSTRIAL INTERCHANGE SERIES

3/8" BASIC SIZE — PUSH-ON TYPE INDUSTRIAL INTERCHANGE SERIES

COUPLERS

F78184
3/8" Hose Barb

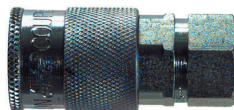


3/8" BASIC SIZE INDUSTRIAL INTERCHANGE SERIES

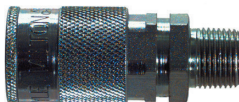
"H" STYLE COUPLER BODIES ARE HEAVY DUTY STEEL
"H" STYLE PLUGS ARE CASE HARDENED STEEL.
TREATED TO RESIST RUST.

COUPLERS

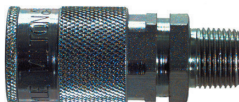
F71186
Female 3/8" NPT



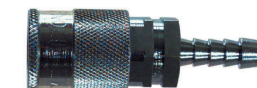
F74643
Female 1/4" NPT



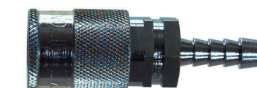
F76181
Male 3/8" NPT



F71405
Male 1/4" NPT



F74481
Hose Barb 3/8"



F78686
Hose Barb 1/2"

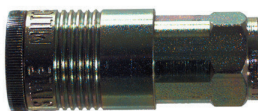


1/2" BASIC SIZE INDUSTRIAL INTERCHANGE + TRU-FLATE/ PARKER STYLE INTERCHANGE SERIES

"G" STYLE BODIES ARE HEAVY DUTY STEEL
"G" STYLE PLUGS ARE CASE HARDENED STEEL AND
TREATED TO RESIST RUST. THESE 1/2" BASIC SIZE BODIES
WORK WITH EITHER INDUSTRIAL INTERCHANGE OR
TRU-FLATE/PARKER STYLES PLUGS.

COUPLERS

F78020
Female 3/8" NPT



F75074
Female 1/2" NPT



F71035
Male 3/8" NPT



F75766
Male 1/2" NPT



PLUGS

F74321
1/4" Hose Barb



F72799
3/8" Hose Barb

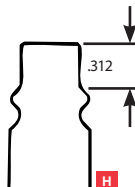
F7166
1/4" Hose Barb

F71750
3/8" Hose Barb



PLUGS

F71528
3/8" Hose Barb



PLUGS

F71930
Male 3/8" NPT



F77617
Male 1/4" NPT

F73680
Female 3/8" NPT



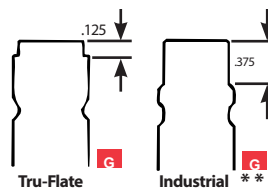
F75959
Female 1/4" NPT



F75681
Hose Barb 3/8"



F78685
Hose Barb 1/2"



Notice there are two G-styles with different plug designs; these are interchangeable.

F72223
Male 1/4" NPT**

F72563
Male 3/8" NPT**

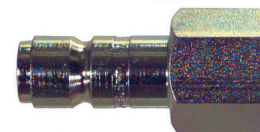
F76971
Male 1/2" NPT**

F77691 (Tru-Flate Style)
Male 1/2" NPT

F7120 (Tru-Flate Style)
Female 1/2" NPT (Tru-Flate/Parker Interchange)

F78432 (Tru-Flate Style)
Female 3/8" NPT (Tru-Flate/Parker Interchange)

F73520
Female 1/2" NPT (Industrial Interchange)**



COUPLERS — AIR (continued)

1/4" BASIC SIZE ARO STYLE INTERCHANGE SERIES

ALL 'A' STYLE COUPLERS ARE MADE OF HEAVY DUTY STEEL.
ALL 'A' STYLE PLUGS ARE CASE HARDENED STEEL TREATED
TO RESIST RUST. PUSH TYPE — BODY ENGAGES AUTOMATICALLY.

COUPLERS

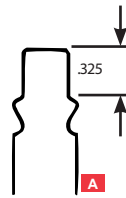
F76596
Female 1/4" NPT



F77278
Male 1/4" NPT



F76780
1/4" Hose Barb



PLUGS

F74684
Male 1/4" NPT



F78008
Female 1/4" NPT



PLUGS

F74926
1/4" Hose Barb



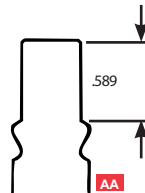
F77180
3/8" Hose Barb

**3/8" BASIC SIZE
ARO STYLE INTERCHANGE SERIES**

THE 'AA' STYLE COUPLERS ARE MADE OF HEAVY DUTY STEEL.
ALL 'AA' STYLE PLUGS ARE CASE HARDENED STEEL TREATED
TO RESIST RUST. PUSH TYPE — BODY ENGAGES AUTOMATICALLY.

COUPLERS

F77465
Female 3/8" NPT



PLUGS

F73988
Male 3/8" NPT

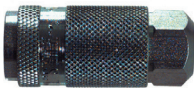


1/4" BASIC SIZE LINCOLN STYLE INTERCHANGE SERIES

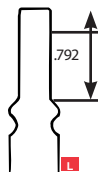
ALL 'L' STYLE COUPLERS ARE MADE OF HEAVY DUTY STEEL.
'L' STYLE PLUGS ARE CASE HARDENED STEEL TREATED
TO RESIST RUST. PUSH TYPE — BODY ENGAGES AUTOMATICALLY.

COUPLERS

F72978
Female 1/4" NPT



F77103
Male 1/4" NPT



PLUGS

F7313B20
Male 1/4" NPT



F71399
Female 1/4" NPT

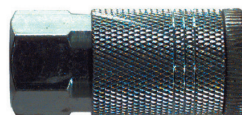


**1/4" BASIC SIZE
DIAMOND-U STYLE INTERCHANGE SERIES**

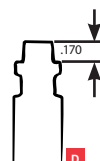
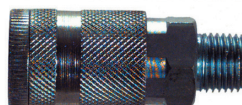
ALL 'D' STYLE COUPLERS ARE MADE OF HEAVY DUTY STEEL.
'D' STYLE PLUGS ARE CASE HARDENED STEEL TREATED TO RESIST RUST.

COUPLERS

F7318
Female 1/4" NPT



F73101
Male 1/4" NPT



PLUGS

F77349
Male 1/4" NPT



F74240
Female 1/4" NPT



FLUID POWER

8 Valves & Couplers

COUPLERS — AIR (continued)

1/4" BASIC SIZE – PUSH-ON TYPE TRU-FLATE/PARKER STYLE INTERCHANGE SERIES

COUPLERS

F75229
1/4" Hose Barb

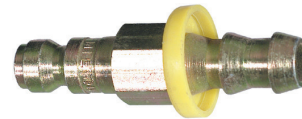
F78156
1/4" Hose Barb



PLUGS

F7512
1/4" Hose Barb

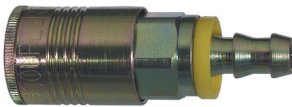
F71833
3/8" Hose Barb



3/8" BASIC SIZE – PUSH-ON TYPE TRU-FLATE/ PARKER STYLE INTERCHANGE SERIES

COUPLERS

F74426
3/8" Hose Barb



PLUGS

F7449
3/8" Hose Barb



1/4" BASIC SIZE TRU-FLATE/PARKER STYLE INTERCHANGE SERIES

ALL "T" STYLE COUPLER BODIES ARE BRASS, WITH STEEL SLEEVES ALL "T" STYLE PLUGS ARE CASE HARDENED STEEL AND TREATED TO RESIST RUST.

COUPLERS

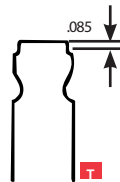
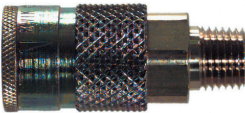
F72447
Female 1/4" NPT

F7844
Female 3/8" NPT

F7614
Male 1/4" NPT

F75967
Male 3/8" NPT

F75643
3/8" Hose Barb



PLUGS

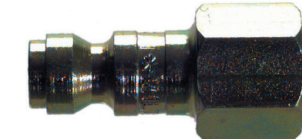
F72958
Male 1/4" NPT

F75038
Male 3/8" NPT

F71672
Female 1/4" NPT

F73037
1/4" Hose Barb

F75164
3/8" Hose Barb



7

1/4" MNPT HIGHFLOWPRO™ PLUG V STYLE/EURO INTERCH STEEL PLUG

"V" Style/European Interchange Steel Air Plug Fitting
(High Volume Low Pressure Application)

- Do not exceed 300 PSI. For use with compressed air only.
- 1/4" basic flow size
- Air flow of up to 74 SCFM competitor V-style couplers and plugs. All threaded connections are 1/4" NPT.



PLUGS

F710589
Male 1/4" NPT



1/4" FNPT HIGH FLOW PLUG V STYLE/EURO INTERCH STEEL PLUG

"V" Style) Quick-Connect Steel Coupler

- Maximum Pressure: 300 PSI
- Maximum 74 SCFM
- Working Temperature: Up to 250 degrees
- 1/4" NPT – Female
- 1/4" Basic Flow Size



COUPLERS

F710590
Female 1/4" NPT



COUPLERS — AIR (continued)

3/8" BASIC SIZE TRU-FLATE/PARKER STYLE INTERCHANGE SERIES

"P" STYLE COUPLER BODIES ARE HEAVY DUTY STEEL

"P" STYLE PLUGS ARE CASE HARDENED STEEL AND TREATED TO RESIST RUST.



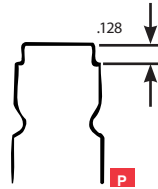
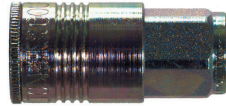
COUPLERS

F7908

Female 1/4" NPT

F71569

Female 3/8" NPT



PLUGS

F74267

Female 1/4" NPT

F7578

Female 3/8" NPT

F76925

Male 1/4" NPT

F74798

Male 3/8" NPT



1/4" BASIC SIZE STRAIGHT-THRU STYLE

STRAIGHT-THRU COUPLER BODIES ARE BRASS, WITH STAINLESS STEEL BALLS AND SPRING. STRAIGHT-THRU PLUGS ARE CASE HARDENED STEEL. TREATED TO RESIST RUST

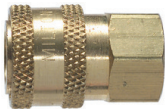
- Straight-Thru bore allows maximum flow
- Excellent for high pressure washers and carpet cleaners
- Compatible with other major manufacturer's Straight-Thru, High Pressure Couplers

STRAIGHT THRU

COUPLERS

F76016

Female 1/4" NPT



F71622

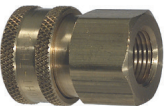
Male 1/4" NPT



3/8" BASIC SIZE COUPLERS

F72091

Female 3/8" NPT



PLUGS

F71139

Male 1/4" NPT

F73966

Female 1/4" NPT

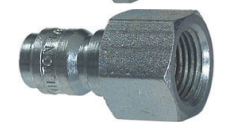
3/8" BASIC SIZE PLUGS

F75512

Male 3/8" NPT

F73420

Female 3/8" NPT



STRAIGHT-THRU STYLE (E SERIES)

- Smooth bore full-flow design ensures minimal pressure drop
- Brass coupler and nipple extends service life
- Fully interchangeable with Parker ST Interchange Couplings

STRAIGHT THRU

1/4" BASIC SIZE

COUPLERS

F78073

Female 1/4" NPT



1/4" BASIC SIZE

PLUGS

F77635

Female 1/4" NPT



BALL SWIVEL CONNECTORS

Description	Size	Part No.
Swivel Conversion Fitting	1/4" FPT x 1/4" MPT	F73894

- Used between the tool and air supply hose to eliminate kinking and twisting
- Made of hardened steel



BALL SWIVEL CONNECTORS

Interchange	Size	Part No.
Industrial (M)	1/4 Male	F74100
Industrial (M)	3/8 Male	F71735
ARO (A)	1/4 Male	F73145
ARO (A)	1/4 Female	F78035
Automotive (T)	1/4 Male	F71664
Automotive (T)	3/8 Male	F77323
Automotive (T)	1/4 Female	F75159

- Combine the features of ball swivel fittings and connectors, eliminating the need for an additional fitting
- The connection and nut portion is nickel-plated hardened steel, and the threaded portion is all brass
- 1/4" body



FLUID POWER

8 Valves & Couplers

COUPLERS — AIR (continued)

COIL FLOW™ INDUSTRIAL QUALITY

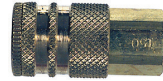
- Engineered to interchange with the corresponding interchange of all manufactures.
- 4 locking balls permits a more secure and balanced connection, extending the life of the connector
- Drag guard prevents accidental uncoupling when snagged
- Made in USA

1/4" BASIC SIZE INDUSTRIAL INTERCHANGE

- Couplers have brass bodies with 4 stainless balls
- Plugs are yellow zinc plated steel
- PSI Rating:** 300
- Temperature Range:** -40°F to 250°F

COUPLER

F77623
Female 1/4" NPT



F75767
Male 1/4" NPT



F78265
Male 1/8" NPT

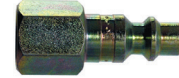
PLUG

Steel - **F7977**
Brass - **F7462**
Male 1/4" NPT



PLUG

Male 1/8" NPT
Steel - **F78315**
Brass - **F72057**
Male 1/4" NPT

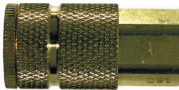


1/4" BASIC SIZE AUTOMOTIVE TRU-FLATE INTERCHANGE

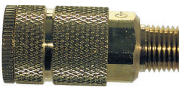
- Couplers have brass bodies with 4 stainless balls
- Plugs are yellow zinc plated steel
- PSI Rating:** 300
- Temperature Range:** -40°F to 250°F

COUPLER

F7968
Female 1/4" NPT



F75599
Male 1/4" NPT



PLUG

F71558
Male 1/4" NPT



F75999
Female 1/4" NPT



1/4" BASIC SIZE AUTOMATIC INDUSTRIAL INTERCHANGE

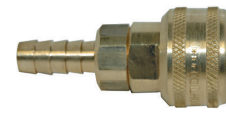
- One handed push-to-connect operation
- Interchangeable with all other manufacture's
- Industrial Interchanges
- All-brass construction
- Made in USA



F7165
Female 3/8" NPT



F73307
Male 3/8" NPT



F73651
3/8" Hose Barb

F77506
Female 1/4" NPT

F75352
Male 1/4" NPT

F784
1/4" Hose Barb

1/4" INDUSTRIAL INTERCHANGE NON-MARRING COMPOSITE COUPLER

- Can be used with any standard Industrial Interchange Connector
- Grey High-impact fiberglass Non-Marring composite body with blue ring
- Protects finished surfaces from Scratching and Marring
- F72872** — Industrial Composite Coupler 1/4" Female NPT
- F72872B10** — 10/PK-Industrial Composite Coupler 1/4" FNPT
- F71778** — Industrial composite Coupler 1/4" Male NPT

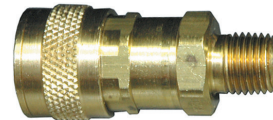


1/4" BASIC SIZE UNIVERSAL COUPLERS

- Fits the three most popular style plugs
- A STYLE** - ARO
- M STYLE** - Industrial Interchange
- T STYLE** - Automotive Interchange (Tru-Flate-Parker)
- Brass Body, four hardened steel balls, stainless valve + spring
- Pressure Rating:** 150 PSI
- Operating Temperature:** -40°F TO +250°F



F7863
Female 1/4" NPT



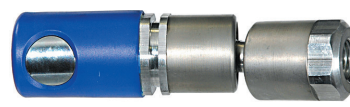
F78070
Male 1/4" NPT

COUPLERS — PUSH BUTTON AIR

SWIVEL COUPLER

F73964
Female 1/4" NPT

- Protective, non-scratch boot included



1/4" BASIC SIZE INDUSTRIAL INTERCHANGE SERIES



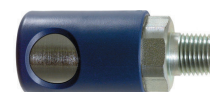
- Interchangeable with all plugs with the industrial interchange profile
- Non-Scratching / Heavy Duty
- Temperature Range:** +5°F to 160°F
- Working Pressure:** 175 PSI
- Blue Body / Silver Button

COUPLER

F72308
Female 1/4" NPT

F71084
Male 1/4" NPT

F75805
Male 3/8" NPT



COUPLERS — PUSH BUTTON AIR (continued)

1/4" BASIC SIZE ARO STYLE INTERCHANGE SERIES

- Interchangeable with all plugs with the ARO 210 profile
- Non-Scratching / Heavy Duty
- **Temperature Range:** +5°F to 160°F
- **Working Pressure:** 175 PSI
- Blue Body / Gold Button



COUPLER

F73393

Female 1/4" NPT



F71370

Male 1/4" NPT



- Interchangeable with all plugs with the Tru-Flate profile
- Non-Scratching / Heavy Duty
- **Temperature Range:** +5°F to 160°F
- **Working Pressure:** 175 PSI
- Blue Body / Red Button



COUPLER

F7535

Male 1/4" NPT



COUPLER

F74271

Female 3/8" NPT



COUPLER

F73715

Female 1/4" NPT



1/4" BASIC SIZE HIGH FLOW PROFILE

- Non-Scratching / Heavy Duty
- **Temperature Range:** +5°F to 160°F
- **Working Pressure:** 175 PSI
- **Flow Cap. @ 90 PSI:** 31 SCFM
- Blue Body / Green Button
- **Applications:** Paint shops, body shops, garages, industrial plants, schools, assembly lines

HIGH FLOW

COUPLER

F7215

Male 1/4" NPT



COUPLER — FEMALE THREAD

F7599

Female 1/4" NPT



PLUG

F75273

Female 1/4" NPT



F76444

Male 1/4" NPT



COUPLERS — PUSH BUTTON SAFETY AIR

SAFETY TYPE — 1/4" BASIC SIZE AUTOMOTIVE INTERCHANGE - TRU-FLATE PROFILE

- The innovative push button system safely vents the air circuit prior to coupler release & prevents dangerous hose whip
- Conforms to ISO 4414 standard for safety
- Interchangeable with all plugs with the Tru-Flate profile
- Black Body / Red Button



COUPLER

F76098

Female 1/4" NPT

F74156

Female 3/8" NPT



SAFETY TYPE 1/4" BASIC SIZE HIGH FLOW PROFILE

- The innovative push button system safely vents the air circuit prior to coupler release and prevents dangerous hose whip
- Non-Scratching / Heavy Duty
- **Temperature Range:** +5°F to 160°F
- **Working Pressure:** 175 PSI
- **Flow Cap. @ 90 PSI:** 66 SCFM
- Black Body / Green Button
- **Applications:** Paint shops, body shops, garages, industrial plants, schools, assembly lines

HIGH FLOW

COUPLER

F74231

Female 1/4" NPT



PLUG

F75273

Female 1/4" NPT



F76444

Male 1/4" NPT



FLUID POWER

8 Valves & Couplers

COUPLERS — PUSH BUTTON SAFETY AIR (continued)

SAFETY TYPE – 1/4" BASIC SIZE INDUSTRIAL INTERCHANGE SERIES

- The innovative push button system safely vents the air circuit prior to coupler release & prevents dangerous hose whip
- Conforms to ISO 4414 standard for safety
- Interchangeable with all plugs with the industrial interchange profile
- Black Body / Blue Button



COUPLER

F77212
Female 1/4" NPT



F78218
Male 1/4" NPT



NON-SCRATCH BOOT

F75118
for 1/4" Hose

- Fits all push-button couplers
- Covers and protects the NPT connection of the coupler
- Boot slips over NPT end and end of hose
- Blue



COUPLERS — TWIST ACTION SAFETY AIR

7

2-STEP SAFETY TYPE – 3/8" BASIC SIZE INDUSTRIAL INTERCHANGE SERIES

- **The disconnection is made by the rotation of the body:**
- A safety movement which avoids accidental disconnection

Specifications

- **Fluid:** Compressed Air
- **Working Temperature:** +41°F to 140°F
- **Working Pressure:** Up to 230 PSI

Material of Construction

- **Body:** Glass reinforced nylon 6.6
- **Ball Bearings & Spring:** Stainless steel
- **Seal:** Nitrile
- **Check Valve:** Delrin & fiberglass
- **Base:** -nickle-plated brass with thread sealant on tapered components



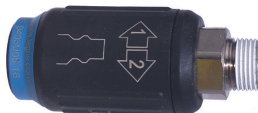
COUPLER

F7634
Female 3/8" NPT

F7399
Female 1/2" NPT

F75530
Male 3/8" NPT

F76819
Male 1/2" NPT



COUPLERS — SHD SERIES AIR

1/4 BASIC SIZE SCHRADER INTERCHANGE

- Nipples are case hardened

NIPPLES

F7689
Male 1/4 NPT



F75069
Female 1/4 NPT



COUPLERS — ADAPTERS CAM & GROOVE

COUPLERS AND ADAPTERS MAXIMUM WORKING PRESSURE

Size	1/2"	3/4"-2"	2-1/2"	3"	4"	5" & 6"
PSI	150	250	150	125	100	75

- Recommendations based on use of mating Dixon fittings at ambient temperature (70°F)
- Dixon 'Andrews'/'Boss-Lock' couplers and adapters interchange with all product produced to MIL-C-27487F
- Designed for use with liquids

CAM AND GROOVE SPOOL ADAPTERS

Size	Dixon AL Part No.	AL Part No. USA	AL Part No. Import
1-1/2"	150-AA-AL	F75009	
2"	200-AA-AL		F72922
3"	300-AA-AL	F75785	F7548
4"	400-AA-AL	F75366	

DIXON 'ANDREWS'/'BOSS-LOCK' TYPE A ADAPTER

Size	Dixon SS Part No.	SS Part No.	Dixon AL Part No.	AL Part No.	Dixon BR Part No.	Brass Part No.
1"	100-A-SS	F72168	100-A-AL	F78093		
1-1/2"	150-A-SS	F78411	150-A-AL	F7417		
2"	200-A-SS	F77875	200-A-AL	F71155		
3"	300-A-SS	F76148	300-A-AL	F71845		
4"			400-A-AL	F74757		

- Male adapter x female NPT

GLOBAL TYPE F ADAPTERS

Size	Dixon SS Part No.	SS Part No.	Dixon AL Part No.	AL Part No.	Dixon BR Part No.	Brass Part No.
1"	G100-F-SS	F76330	G100-F-AL	F71797		
1-1/2"			G150-F-AL	F71493	G150-F-BR	F71809
2"	G200-F-SS	F78424	G200-F-AL	F71535		
3"	G300-F-SS	F78425	G300-F-AL	F73646		
4"			G400-F-AL	F71691		

DIXON 'ANDREWS'/'BOSS-LOCK' TYPE E CAM AND GROOVE ADAPTERS

Size	Dixon SS Part No.	SS Part No.	Dixon AL Part No.	AL Part No.
1"	G100-E-SS	F71358	G100-E-AL	F74304
1-1/2"			G150-E-AL	F74786
2"	G200-E-SS	F73326	G200-E-AL	F75182
3"	G300-E-SS	F76520	G300-E-AL	F77265
4"	G400-E-SS		G400-E-AL	F7690

- Male adapter x hose shank

DIXON 'ANDREWS'/'BOSS-LOCK' TYPE DP DUST PLUGS

Size	Dixon SS Part No.	SS Part No.	Dixon AL Part No.	AL Part No.
1"			100-DP-AL	F73969
1-1/4"	G125-DP-SS	F78417	125-DP-AL	F76800
1-1/2"	G150-DP-SS	F78418	150-DP-AL	F76512
2"	G200-DP-SS	F77835	200-DP-AL	F71536
3"	G300-DP-SS	F72826	300-DP-AL	F76628
4"	G400-DP-SS	F73749	400-DP-AL	F76289

SAFETY ALERT

- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reason

DIXON 'ANDREWS' TYPE C CAM AND GROOVE COUPLERS

Size	Dixon SS Part No.	SS Part No.	Dixon AL Part No.	AL Part No.
1"	G100-C-SS	F77467	100-C-AL	F77668
1-1/2"	G150-C-SS	F78413	150-C-AL	F76384
2"	G200-C-SS	F77723	200-C-AL	F74162
3"	G300-C-SS	F71514	300-C-AL	F71442
4"	G400-C-SS	F77110	400-C-AL	F77108

GLOBAL TYPE B ADAPTERS

Size	Dixon SS Part No.	SS Part No.	Dixon AL Part No.	AL Part No.
1"	G100-B-SS	F74003	G100-B-AL	F73284
1-1/2"	G150-B-SS	F78419	G150-B-AL	F71978
2"	G200-B-SS	F78420	G200-B-AL	F76031
3"			G300-B-AL	F76773
4"			G400-B-AL	F76617

DIXON 'ANDREWS' TYPE D CAM AND GROOVE COUPLERS

Size	Dixon SS Part No.	SS Part No.	Dixon AL Part No.	AL Part No.
1"	G100-D-SS	F72457	100-D-AL	F7465
1-1/2"	G125-D-SS	F78414	150-D-AL	F76203
2"	G200-D-SS	F794	200-D-AL	F76431
3"	G300-D-SS	F72927	300-D-AL	F76476
4"			400-D-AL	F71168



FLUID POWER

8 Valves & Couplers

COUPLERS — ADAPTERS CAM & GROOVE (continued)

DIXON 'ANDREWS' TYPE DC DUST CAP

Size	Dixon SS Part No.	SS Part No.	Dixon AL Part No.	AL Part No.	Dixon BR Part No.	Brass Part No.
1"	G100-DC-SS	F72955	100-DC-AL	F73586		
1-1/2"			150-DC-AL	F76484	150-DC-BR	F76057
2"	G200-DC-SS	F75150	200-DC-AL	F73919		
3"			300-DC-AL	F77274		
4"			400-DC-AL	F76936		



SAFETY ALERT

- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reason

CAM AND GROOVE GASKET

Size	Dixon Buna-N Part No.	AL Part No.
1"	100-G-BU	F71339
1-1/4"	125-G-BU	F74704
1-1/2"	150-G-BU	F71730
2"	200-G-BU	F73863
2-1/2"	250-G-BU	F74668
3"	300-G-BU	F72331
4"	400-G-BU	F71792



COUPLERS — BOSS

PURPOSE: To supply a convenient threaded fitting needed to connect two lengths of hose, or a single length to a male or female threaded (NPT) outlet on any type of equipment.

The Spud part of the coupling serves as one half of the connection and is usually fixed permanently to the equipment. The Stem and Nut attached (clamped) to the hose are the other half. The two halves are connected or disconnected by rotating the Wing Nut on the Spud, to achieve a mechanical, as well as, a pressure seal.

SERVICES: All-Purpose Hose Couplings, universally recommended for steam hose connections. They are also widely used with equal efficiency for high or low pressure Air, Water, Liquid petroleum Gas, Fluid Petroleum Products, Chemicals, Potable Fluids and almost any other types of fluid or gas. They can be applied to all types of rubber, synthetic, plastic, metallic (with special stems) or semi-metallic hose.

MATERIALS:

1/4" to 1" includes: 1-1/4" to 6" include:

Stems:	Plated Steel	Plated Malleable Iron through 4" Tubular Steel - 6"
Spuds:	Plated Steel	Plated Malleable Iron
Wing Nuts:	Plated Malleable Iron	Plated Malleable Iron
• Made in USA		

'EZ-BOSS' GROUND JOINT SEAL GROUND JOINT

Positive Metal-to-Polymer Seal



The leakproof seal in the 'Boss' Coupling is affected in Ground Joint Style by a soft-to-hard-polymer connection when the rounded head of the stem is in firm contact with the beveled polymer insert in the Spud. Job down time to replace lost or deteriorated washers is eliminated, and the sealing efficiency is not affected by dirt, grime or by normal wear through repeated use.

COMPLETE FEMALE COUPLING



Hose Shank X NPT	Dixon Part No.	Part No.
1"	GF36	F7621

STEM



Hose Shank X NPT	Dixon Part No.	Part No.
3/4"	GB6	F74910

DOUBLE SPUD BRASS



Hose Shank X NPT	Dixon Part No.	Part No.
3/4"	GDB13	F72191

MALLEABLE IRON



Size	Dixon Part No.	Part No.
2"	MS26	F71126

BOSS MALE STEM STEEL BAR STOCK



Hose X NPT	Dixon Part No.	Part No.
1/2" x 1/2"	MS1	F73625
3/4" x 3/4"	MS6	F74004
1" x 1"	MS11	F71600

BOSS HOSE MENDER



Size	Dixon Part No.	Part No.
3/4"	M6	F72961
1"	M11	F74513

COUPLERS — AIR KING UNIVERSAL

- Air King is for air & water service only
- **Material:** Malleable iron
- Rated to 110 PSI at ambient temperature (70°F)

- The use of an 'Air King' safety clip or wire type retainer is necessary to assure couplings will not become accidentally disconnected
- Made in USA



HOSE ENDS

Size	Dixon Part No.	Part No.
1/2"	AM1	F76049
3/4"	AM6	F74564
1"	AM11	F76012



MALE NPT ENDS

Size	Dixon Part No.	Part No.
1/2"	AM2	F71162
3/4"	AM7	F76830
1"	AM12	F71573



FEMALE NPT ENDS

Size	Dixon Part No.	Part No.
1/2"	AM5	F74278
3/4"	AM8	F77313
1"	AM13	F72278

COUPLERS — ACCESSORIES AIR KING



AIR KING COUPLING WASHERS

Description	Dixon Part No.	Part No.
Rubber	AWR4	F74381

- Same size for all coupling sizes
- **Material:** Rubber
- **Temperature range:** -20° F to 160° F



AIR KING CLAMPS

Size	Dixon Part No.	Part No.
1/2"	A4	F74574
3/4"	A9	F77917
1"	A10	F75053



SAFETY CLIP

Description	Dixon Part No.	Part No.
Standard Wire Safety Clip	ACI	F72276

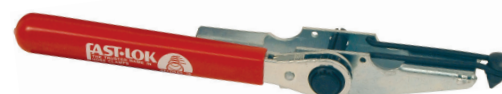
- Same size for all coupling sizes
- Assures 'Air King' Couplings will not become accidentally disconnected



CENTER PUNCH BAND CLAMPS

ID Size	Wide	Thick	Galv Steel Part No.	302 SS Part No.
1"	5/8"	.025	F72381	F72750
1-1/4"	5/8"	.025	F71302	F76500
1-3/8"	3/8"	.020		F71475
1-1/2"	5/8"	.031	F73982	F77576
1-3/4"	5/8"	.031	F74941	F77883
2"	5/8"	.031	F74844	F74164
2-1/4"	5/8"	.031	F73297	F7302
2-1/2"	5/8"	.031	F7112	F7265
2-3/4"	5/8"	.031	F77984	F74686
3"	5/8"	.031	F74268	F71658
3-1/2"	5/8"	.031	F75848	F73698
4"	5/8"	.031	F71666	F77353
5"	5/8"	.031	F72863	F78177
6"	5/8"	.031	F75175	F75542

CENTER PUNCH BAND CLAMPS TOOL



F78378
Portable locking hand tool used to apply 3/8" and 5/8" F-Series punch style band clamps.

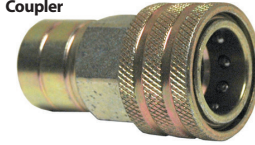
COUPLERS — HYDRAULIC SERVICE

PIONEER 4000 SERIES INTERCHANGE

Description	Size	Tomco Part No.	Rated Operating Pressure	Burst pressure	Part No.
Coupler	1/4"	C2-16	3000	12000	F78107
Coupler	3/8"	C3-21	3000	12000	F74601
Coupler	1/2"	C4-26	3000	12000	F7866
Coupler	3/4"	C6-31	3500	14000	F78077
Coupler	1"	C8-36	3000	12000	F786
Plug	1/4"	P2-16	3000	12000	F71069
Plug	3/8"	P3-21	3000	12000	F77177
Plug	1/2"	P4-26	3000	12000	F71736
Plug	3/4"	P6-31	3500	14000	F71141
Plug	1"	P8-36	3000	12000	F7722

- Double shut-off general purpose hydraulic couplers with hardened steel poppet valves
- Specially-designed seals made of nitrile for long leak-free performance
- Ideal for agricultural, construction, forestry, and snow plow applications
- Made in U.S.A

Coupler



Plug

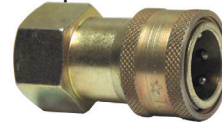


SERIES A5600 ISO 'A' INTERCHANGE

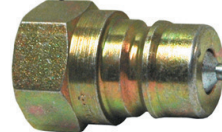
Description	Size	Tomco Part No.	Rated Operating Pressure	Burst pressure	Part No.
Coupler	1/4"	CA5602-16	5000	15000	F74590
Coupler	3/8"	CA5603-21	5000	12000	F75860
Coupler	1/2"	CA5604-26	5000	12000	F72598
Coupler	3/4"	CA5606-31	4000	12000	F77717
Coupler	1"	CA5608-36	4000	12000	F77642
Plug	1/4"	PA5602-16	5000	15000	F72335
Plug	3/8"	PA5603-21	4000	12000	F73763
Plug	1/2"	PA5604-26	4000	12000	F76741
Plug	3/4"	PA5606-31	4000	12000	F71067
Plug	1"	PA5608-36	4000	12000	F7596
Dust Cap	3/8"	5603DC			F76371
Dust Cap	1/2"	5604DC			F7672
Dust Cap	3/4"	5606DC			F77268
Dust Plug	1/2"	5604DP			F75502
Dust Plug	3/4"	5606DP			F74640
Dust Plug	1"	5608DP			F73494

- Double shut-off general purpose hydraulic couplers
- Both couplers and plugs are precision machined from solid steel bar for maximum strength
- Standard seals are Buna-N
- Interchangeable to ISO7241 Series 'A', Parker 6600-Series, Aeroquip/Eaton FD56, Faster ANV, Hansen HA15000, Safeway S56-Series
- Made in U.S.A

Coupler



Plug



Dust Cap



SERIES H ISO 'B' INTERCHANGE

Description	Size	Rated Operating Pressure	Burst Pressure	Part No.
Stainless Coupler	1/4"	3750	29,000	F71613
Brass Coupler	1/4"	4000	27,000	F71644
Brass Coupler	3/8"	2800	17,000	F72180
Steel Coupler	1/2"	5000	17,000	F796
Steel Coupler	3/4"	4500	17,000	F76177
Steel Coupler	1"	4500	18,000	F74178
Stainless Plug	1/4"	3750	29,000	F74042
Brass Plug	1/4"	4000	27,000	F75087
Brass Plug	3/8"	2800	17,000	F75964
Steel Plug	1/2"	5000	17,000	F74286
Steel Plug	3/4"	4500	17,000	F76052
Steel Plug	1"	4500	18,000	F76979

- Double shut-off quick couplers for hydraulic, vacuum systems, steam, liquid and gasses
- Made in U.S.A

Coupler



Plug

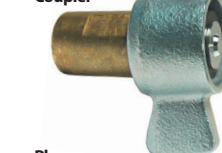


SERIES A 5100 - THREAD-TO-CONNECT UNDER PRESSURE

Description	Size	Tomco Part no.	Rated Operating Pressure	Burst Pressure	Part No.
Coupler with Wings	3/4"	51W-12	3000	9000	F71605
Coupler with Wings	1"	51W-16	3000	9000	F72491
Plug w/o Flange	3/4"	51P-12	3000	9000	F74114
Plug w/o Flange	1"	51P-16	3000	9000	F71215

- Make or break connection against trapped or active hydraulic pressure up to 500psi
- Easier to connect - Hammer Wing on steel coupler sleeve transmit required assembly force.
- Made in U.S.A

Coupler



Plug

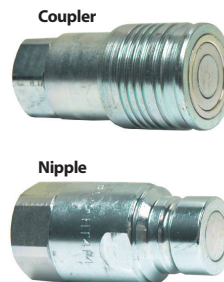


COUPLERS — HYDRAULIC SERVICE (continued)

HT SERIES - FLUSH FACE ISO16028 INTERCHANGE

Style	Body Size	Thread Size Female NPT	Body Material	Rated Operating Pressure	Burst Pressure	Dixon No.	Part No.
Coupler	3/8	3/8-18 NPTF	Steel	5,000	20,000	3HTF3	F78613
Coupler	3/8	1/2-14 NPTF	Steel	5,000	20,000	3HTF4	F77790
Coupler	1/2	1/2-14 NPTF	Steel	5,000	20,000	4HTF4	F76916
Coupler	5/8	3/4-14 NPTF	Steel	5,000	20,000	5HTF6	F73205
Coupler	3/4	3/4-14 NPTF	Steel	5,000	20,000	6HTF6	F73434
Coupler	1	1-11 1/2 NPTF	Steel	5,000	20,000	8HTF8	F77816
Plug	3/8	3/8-18 NPTF	Steel	5,000	20,000	HT3F3	F78614
Plug	3/8	1/2-14 NPTF	Steel	5,000	20,000	HT3F4	F77152
Plug	1/2	1/2-14 NPTF	Steel	5,000	20,000	HT4F4	F75755
Plug	5/8	3/4-14 NPTF	Steel	5,000	20,000	HT5F6	F71272
Plug	3/4	3/4-14 NPTF	Steel	5,000	20,000	HT6F6	F73180
Plug	1	1-11 1/2 NPTF	Steel	5,000	20,000	HT8F8	F72599

- Design Minimizes fluid loss resulting in a cleaner, safer work environment
- Automatic, Push-to-connect couplings provide high flow with low pressure drop, assuring maximum performance
- Sleeve lock safety feature requires turning the collar to unlock the coupling
- **Interchangeable with:** Aeroquip FD89, Parker FEM, Snap-tite 74, Faster FFH/2FFN/2FFI, Stucchi A/FIRG, Hombury Series A



COUPLERS — DIX-LOCK

- Quick acting air couplings
- It takes a minimum of 5 PSI to get a positive seal
- 'Dix-Lock' is rated to 300 PSI
- **Material:** Plated Steel

FEMALE HEAD X FEMALE NPT END

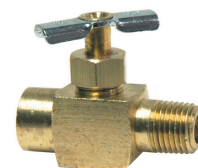
Body Size	NPT Thread Size	Dixon Part No.	Part No.
1/2"	3/4"	QM103	F78052



VALVES — BRASS NEEDLE

- **Pressure Range:** 150 PSI Maximum
- **Used With:** Copper, Aluminum, Steel and plastic Tubing where applicable
- **Material:** Brass bodies, Steel handles
- **Temperature:** -65°F to +250°F
- **Conformance:** Designed for automotive and industrial use.
- Not intended for natural gas, LPG, Nuclear or Aircraft applications.

Female Pipe Thread	Male Pipe Thread	Eaton Part No.	Part No.
1/4"	1/4"	6825	F75213



AUTO & TRUCK — SHUT-OFFS & DRAIN COCKS BRASS

- **Pressure Range:** 150 psi maximum
- **Used With:** Copper, aluminum, steel and plastic tubing where applicable.
- **Material:** Brass body
- **Temperature:** -65°F to +250°F.
- **Conformance:** Designed for automotive or industrial use. Not intended for natural gas, LPG, nuclear or aircraft applications.

AIR BRAKE DRAIN COCK TEE HANDLE

Male Pipe Thread	Part No.
1/4"	F74722



TRUCK SHUT-OFF VALVES MALE PIPE TO HOSE

Hose Size	Male Pipe Thread	Part No.
3/8	3/8	F75741
1/2	3/8	F73113
5/8	3/8	F7319
5/8	1/2	F72215
3/4	1/2	F7928



FLUID POWER

8 Valves & Couplers

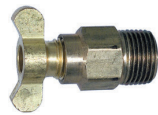
VALVES — DRAIN COCKS BRASS

- **Material:** Brass bodies/steel handles.
- **Pressure:** 150 psi maximum (does not include hose or plastic tubing).
- **Used With:** Copper, aluminum, steel, hose and plastic tubing where applicable.
- **Temperature:** -65°F to +250°F.
- **Conformance:** Designed for automotive or industrial use. Not intended for natural gas, LPG, nuclear or aircraft applications.



EXTERNAL SEAT

Male Pipe Thread	Eaton Part No.	Parker Part No.	Part No.
1/8"	135	DC604-2	F77104
1/4"	145	DC604-4	F73850
3/8"	270	DC604-6	F74915
1/2"	108	DC604-8	F71591



INTERNAL SEAT DRAIN VALVE

Male Pipe Thread	Eaton Part No.	Parker Part No.	Part No.
1/8"	1424	DC602-2	F76110
1/4"	1425	DC602-4	F77729
3/8"	1426	DC602-6	F74120

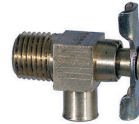
EXTERNAL SEAT

Male Pipe Thread	Eaton Part No.	Parker Part No.	Part No.
1/4"	6788	DC606.4	F73869



ANGLE BIB DRAIN

Hose I.D.	Male Pipe Thread	Eaton Part No.	Parker Part No.	Part No.
3/8"	1/4"	6660	DC607-4	F72610



EXTERNAL SEAT

Male Pipe Thread	Parker Part No.	Part No.
1/8"	DC603-2	F76820
1/4"	DC603-4	F75316



VALVES — BRASS PLUG DRAINS & SHUT-OFF

EATON | Weatherhead

- **Pressure Range:** 15 psi working pressure, except where noted.
- **Used With:** Copper, aluminum, steel and plastic tubing where applicable.
- **Material:** Brass bodies and handles.
- **Temperature:** -40°F to +250°F.

- **Conformance:** Designed for automotive or industrial use. Not intended for natural gas, LPG, nuclear or aircraft applications.
- **Note:** Ground Plug Drains and Shut-Offs use a universal lubricant satisfactory for use with most common fluids. However, the lubricant may wash out at higher pressures or with some exotic fluids.



TRUCK SHUT OFF MALE TO FEMALE PIPE

Male Pipe Thread	Female Pipe Thread	Eaton Part No.	Part No.
1/4"	1/4"	W20332	F7941

Ratings: Values are designed to hold air pressure of 125 psi with one 1/4" bubble in 5 second permissible key leakage.



MALE TO FEMALE PIPE

Male Pipe Thread	Female Pipe Thread	Eaton Part No.	Parker Part No.	Part No.
1/8"	1/8"	6824	V4002P-2-2	F73253
1/4"	1/4"	6829	V4002P-4-4	F72894



FEMALE PIPE

Female Pipe Thread	Eaton Part No.	Part No.
1/8"	6804	F78044
1/4"	6809	F7405

Red color-coded aluminum handle.



DRAINCOCK

Male Pipe Thread	Eaton Part No.	Part No.
1/4"	W15310	F72103

Ratings: Values are designed to hold air pressure of 150 psi with one 1/4" bubble in 5 second permissible key leakage.



GROUND PLUG DRAIN MALE PIPE

Male Pipe Thread	Eaton Part No.	Part No.
1/8"	6891	F77700
1/4"	6892	F71406
3/8"	6893	F74457



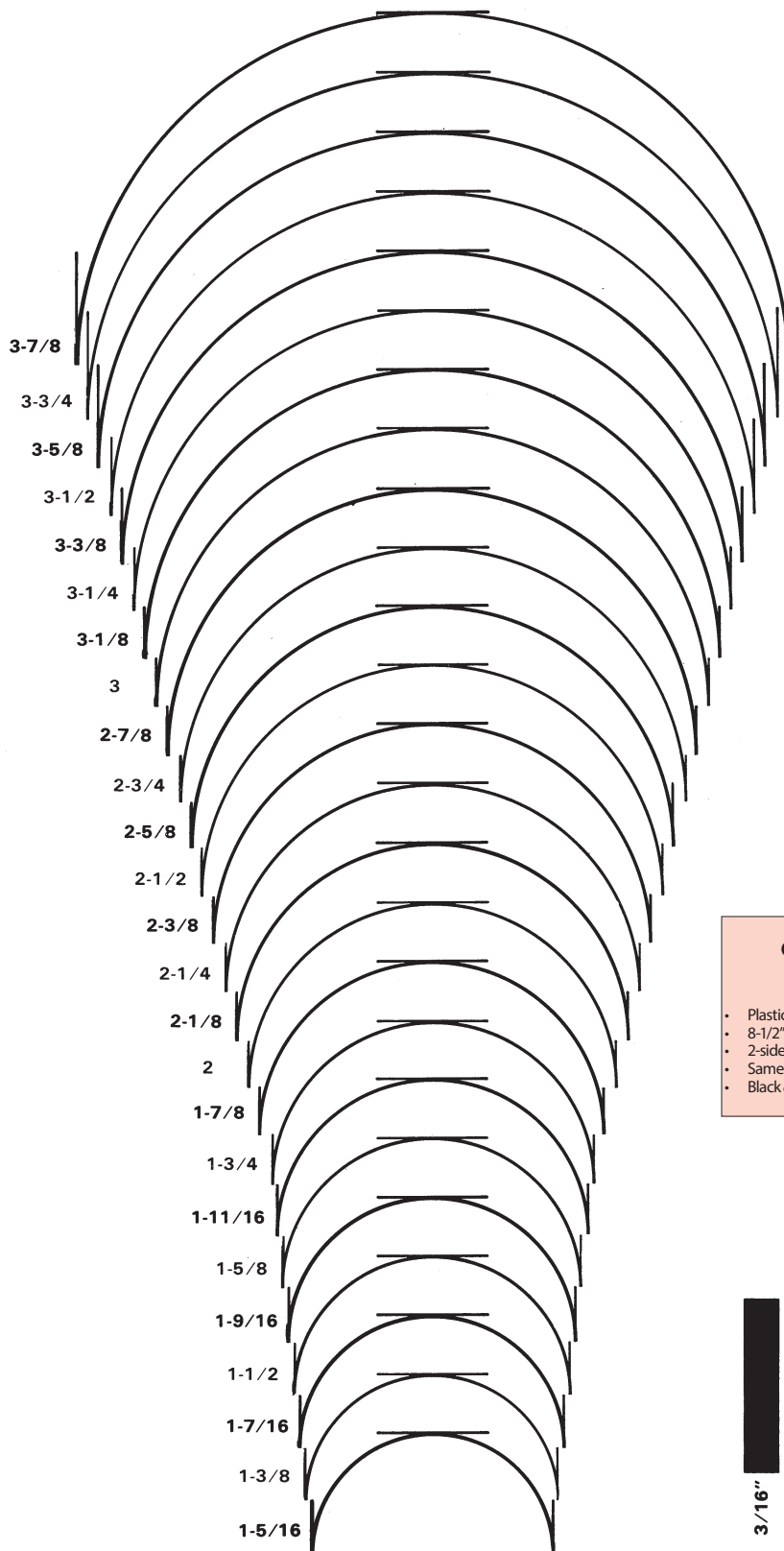
PIPE TO HOSE SHUT-OFF (BRASS BODY)

Hose Size	Male Pipe Thread	Eaton Part No.	Part No.
3/8"	3/8"	1422	F75826
5/8"	3/8"	1423	F76947

O-RINGS — GAUGE

1. Determine width using thickness gauge.

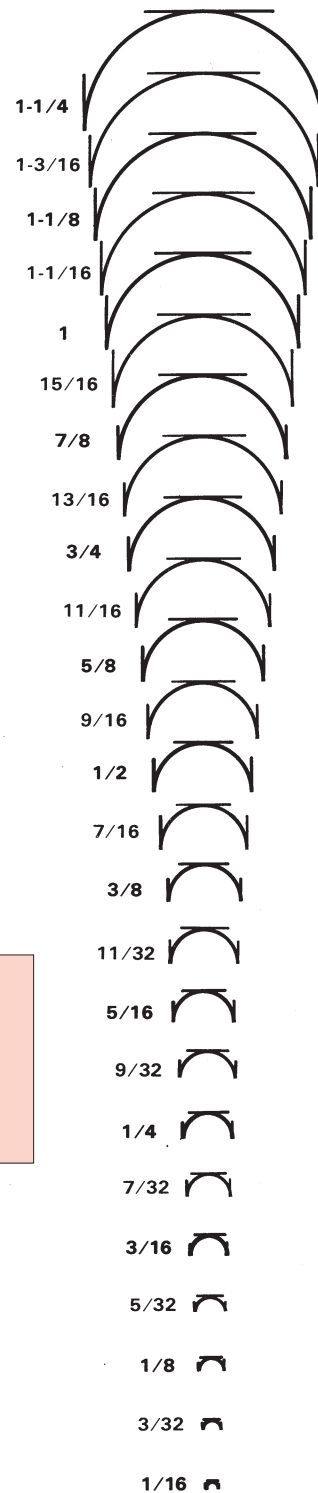
2. Lay O-Ring on page until ID or OD is determined.



O-Ring Gauge
FW17718

- Plastic laminated
- 8-1/2" x 11"
- 2-sided
- Same design as this page
- Black & white

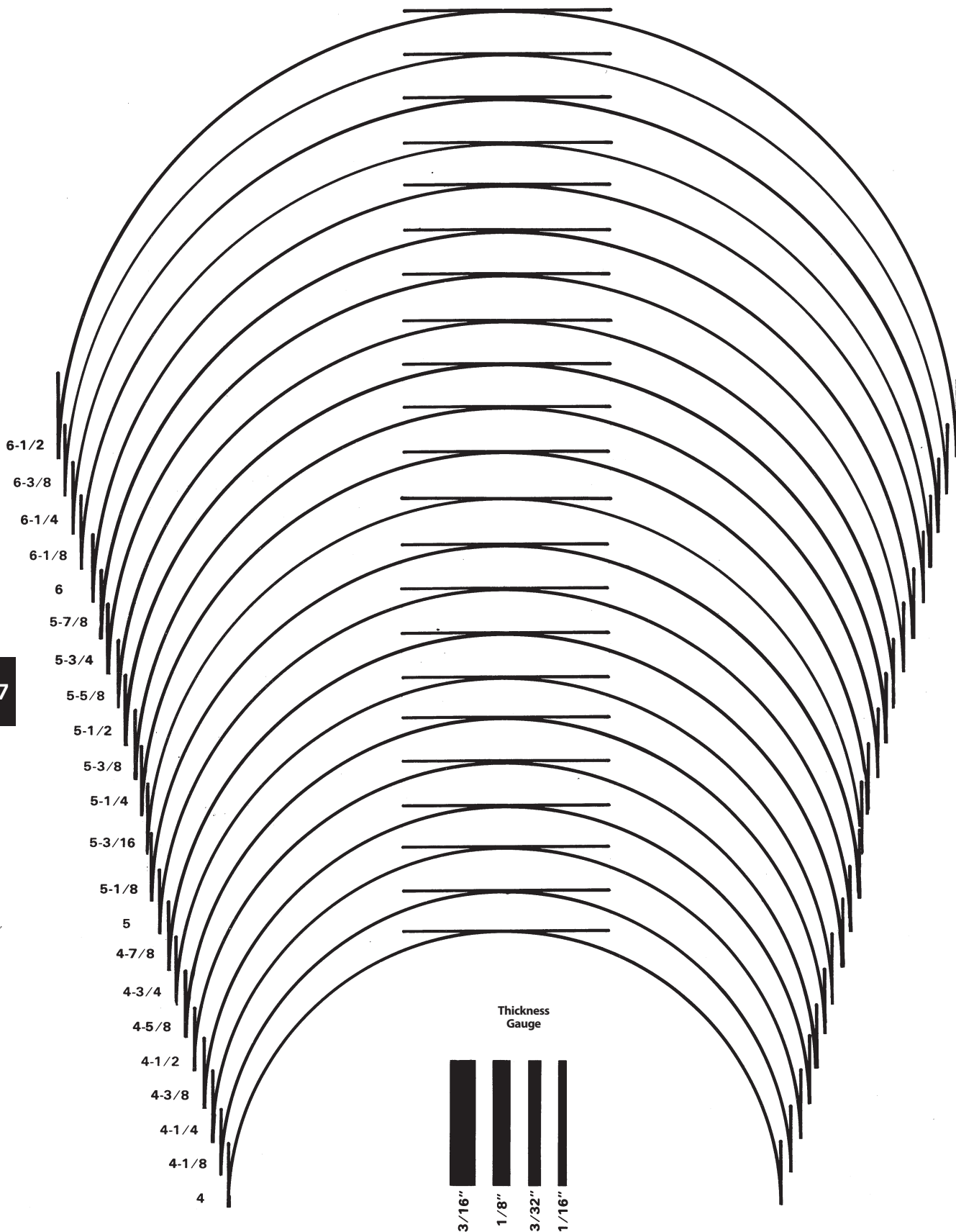
Thickness Gauge



O-RINGS — GAUGE (continued)

1. Determine width using thickness gauge.

2. Lay O-Ring on page until ID or OD is determined.



O-RINGS — CORD STOCK

O-RING CORD STOCK

Cord Diameter	Part No.
1/16"	F71460
3/32"	F74785
.103	F73001
.139	F73862
3/16"	F73624
.210	F7610
1/4"	F76986
.275	F72129

- **Material:** Nitrile (BUNA-N) 70 Durometer
- **Specs:** Temperature Range -40°F to +250°F
- **Color:** Black
- Resistant to petroleum products
- **Note:** Not For use with R-134A refrigerant systems.
- Available in 10Ft. lengths



O-RINGS — KITS

O-RING KIT (382 PCS)

F71298

- 30 sizes in self-contained compact plastic case
- Size range From 1/8" ID to 1-3/4" ID
- Buna-N 70 durometer o-rings



METRIC O-RING KIT (500 PCS)

F74769

- 36 sizes range From 2.2mm ID to 20mm
- 70 durometer buna-n



O-RING SPLICING KIT

F76605

- Buna-N 70 durometer

Contains: .103 x 7ft. cord stock
.139 x 7ft. cord stock
.210 x 7ft. cord stock
.275 x 7ft. cord stock
Razor blade, cutting & splicing jig,
rapid-set adhesive



O-RINGS — BUNA & VITON

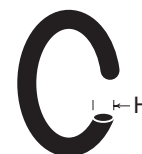
BUNA & VITON O-RINGS

I.N.	I.D.	O.D.	'H'	Buna 70 Part No.	Buna 90 Part No.	Viton Part No.
-001*	1/32"	3/32"	1/32"	F74127		
-003	1/16"	3/16"	1/16"		F77584	
-004	5/64"	13/64"	1/16"	F77737	F76938	
-005	3/32"	7/32"	1/16"	F72850	F72251	
-006	1/8"	1/4"	1/16"	F74683	F77286	F76686
-007	5/32"	9/32"	1/16"	F71886	F74600	F77414
-008	3/16"	5/16"	1/16"	F73848	F75121	F73714
-009	7/32"	11/32"	1/16"	F75491	F7448	F72721
-010	1/4"	3/8"	1/16"	F76165	F74317	F75790
-011	5/16"	7/16"	1/16"	F78333	F72651	F78045
-012	3/8"	1/2"	1/16"	F75168	F76524	F71960

Material: Nitrile (BUNA-N) 70 Durometer & 90 Durometer
Specs: Temperature Range -40°F to +250°F
Color: Black
Resistant to petroleum products
Note: Not For use with R-134A refrigerant systems. See Green A/C O-Rings!

Material: Fluorocarbon (Viton)
Specs: Temperature Range -15°F to +400°F
Color: Brown
Resistant to petroleum products and many chemicals
Note: Not For use with R-134A refrigerant systems. See Green A/C O-Rings!

* Cross Section Dia. .001 = .040 + .003 IN
= 1.02 + .08 MM



O-RINGS — BUNA & VITON (continued)

I.N.	I.D.	O.D.	‘H’	Buna 70 Part No.	Buna 90 Part No.	Viton Part No.
-013	7/16"	9/16"	1/16"	F77927	F76134	F71407
-014	1/2"	5/8"	1/16"	F72647	F78165	F76579
-015	9/16"	11/16"	1/16"	F7731	F7522	F73198
-016	5/8"	3/4"	1/16"	F73079	F75081	F74496
-017	11/16"	13/16"	1/16"	F7679	F72858	F74809
-018	3/4"	7/8"	1/16"	F7746	F77151	F75195
-019	13/16"	15/16"	1/16"	F7877	F71112	F74447
-020	7/8"	1"	1/16"	F73518	F71895	F77316
-021	15/16"	1-1/16"	1/16"	F77907	F77964	F72982
-022	1"	1-1/8"	1/16"	F76199	F73816	F71300
-023	1-1/16"	1-3/16"	1/16"	F75022	F73557	F75645
-024	1-1/8"	1-1/4"	1/16"	F76862	F75025	F71052
-025	1-3/16"	1-5/16"	1/16"	F73161	F77764	F74166
-026	1-1/4"	1-3/8"	1/16"	F76751	F71767	F77951
-027	1-5/16"	1-7/16"	1/16"	F75833	F774	F74817
-028	1-3/8"	1-1/2"	1/16"	F75334	F72689	F76282
-029	1-1/2"	1-5/8"	1/16"	F76756	F71604	F76946
-030	1-5/8"	1-3/4"	1/16"	F77281	F73231	F71489
-031	1-3/4"	1-7/8"	1/16"	F76731	F76913	F75593
-032	1-7/8"	2"	1/16"	F74577	F771	F73264
-033	2"	2-1/8"	1/16"	F74688	F71429	F72670
-034	2-1/8"	2-1/4"	1/16"	F787	F74425	F7199
-035	2-1/4"	2-3/8"	1/16"	F71519	F76053	F77890
-036	2-3/8"	2-1/2"	1/16"	F75062	F71348	F72910
-037	2-1/2"	2-5/8"	1/16"	F77380	F77728	F77637
-038	2-5/8"	2-3/4"	1/16"	F74655	F72184	
-039	2-3/4"	2-7/8"	1/16"	F78169	F77821	
-040	2-7/8"	3"	1/16"	F74812	F77391	F72013
-041	3"	3-1/8"	1/16"	F7939	F71900	
-042	3-1/4"	3-3/8"	1/16"	F7355	F77196	
-043	3-1/2"	3-5/8"	1/16"	F76119	F76903	F71147
-044	3-3/4"	3-7/8"	1/16"	F76187	F77906	
-045	4"	4-1/8"	1/16"	F77510	F71398	
-046	4-1/4"	4-3/8"	1/16"	F71143	F72515	
-048	4-3/4"	4-7/8"	1/16"	F77756	F76827	
-049	5"	5-1/8"	1/16"	F76030	F7212	
-050	5-1/4"	5-3/8"	1/16"	F75987	F77722	
-102	1/16"	1/4"	3/32"	F76104	F76271	F76482
-103	3/32"	9/32"	3/32"	F75147	F72213	F73400
-104	3/16"	5/16"	3/32"	F74576	F72471	F75679
-105	5/32"	11/32"	3/32"	F71790	F72322	F77690
-106	3/16"	3/8"	3/32"	F74630	F7279	F77574
-107	7/32"	13/32"	3/32"	F756	F73794	F7710
-108	1/4"	7/16"	3/32"	F72186	F71278	F75745
-109	5/16"	1/2"	3/32"	F76662	F78219	
-110	3/8"	9/16"	3/32"	F77239	F73545	F72975
-111	7/16"	5/8"	3/32"	F74213	F75528	F74885
-112	1/2"	11/16"	3/32"	F72310	F74547	F75425
-113	9/16"	3/4"	3/32"	F72379	F77672	F75762
-114	5/8"	13/16"	3/32"	F75489	F72819	F72388
-115	11/16"	7/8"	3/32"	F75831	F74899	F7840
-116	3/4"	15/16"	3/32"	F77149	F7100	F76115
-117	13/16"	1"	3/32"	F74305	F72960	F72944
-118	7/8"	1-1/16"	3/32"	F76018	F76035	F73150
-119	15/16"	1-1/8"	3/32"	F76045	F7942	F7407

I.N.	I.D.	O.D.	‘H’	Buna 70 Part No.	Buna 90 Part No.	Viton Part No.
-120	1"	1-3/16"	3/32"	F76230	F72736	F75449
-121	1-1/16"	1-1/14"	3/32"	F72081	F75627	F74913
-122	1-1/8"	1-5/16"	3/32"	F76494	F71682	F77436
-123	1-3/16"	1-3/8"	3/32"	F77318	F71823	F76396
-124	1-1/4"	1-7/16"	3/32"		F74916	F77734
-125	1-5/16"	1-1/2"	3/32"	F74520	F72343	F74046
-126	1-3/8"	1-9/16"	3/32"	F75994	F75288	F72330
-127	1-7/16"	1-5/8"	3/32"	F77997	F72357	F7778
-128	1-1/2"	1-11/16"	3/32"	F7573	F77350	F73721
-129	1-9/16"	1-3/4"	3/32"	F74891	F73292	F7633
-130	1-5/8"	1-13/16"	3/32"	F73785	F7736	F7378
-131	1-11/16"	1-7/8"	3/32"	F74656	F76858	F75380
-132	1-3/4"	1-15/16"	3/32"	F76267	F77363	F76436
-133	1-13/16"	2"	3/32"	F71122	F71210	F75452
-134	1-7/8"	2-1/16"	3/32"	F76677	F71248	F764
-135	1-15/16"	2-1/8"	3/32"	F76237	F7425	F74650
-136	2"	2-3/16"	3/32"	F7834		F75846
-137	2-1/16"	2-1/14"	3/32"	F76844	F77953	F74432
-138	2-1/8"	2-5/16"	3/32"	F74582	F74376	F76392
-139	2-3/16"	2-3/8"	3/32"	F74966	F75855	F74741
-140	2-1/4"	2-7/16"	3/32"	F77019	F75253	F71262
-141	2-5/16"	2-1/2"	3/32"	F7870	F7800	
-142	2-3/8"	2-9/16"	3/32"	F779	F71485	F75433
-143	2-7/16"	2-5/8"	3/32"	F72389	F76805	F7211
-144	2-1/2"	2-11/16"	3/32"	F73972	F74627	
-145	2-9/16"	2-3/4"	3/32"	F74847	F71288	
-146	2-5/8"	2-13/16"	3/32"	F74925	F7853	
-147	2-11/16"	2-7/8"	3/32"	F77049	F75230	
-148	2-3/4"	2-15/16"	3/32"	F78335	F78198	
-149	2-13/16"	3"	3/32"	F74026	F72593	
-150	2-7/8"	3-1/16"	3/32"	F73165	F73727	
-151	3"	3-3/16"	3/32"	F7926	F71815	
-152	3-1/4"	3-7/16"	3/32"	F72272	F76915	
-153	3-1/2"	3-11/16"	3/32"	F77043	F7901	
-154	3-3/4"	3-15/16"	3/32"	F77995	F72848	
-155	4"	4-3/16"	3/32"	F73258	F73932	
-156	4-1/4"	4-7/16"	3/32"	F72230	F76955	
-157	4-1/2"	4-11/16"	3/32"	F74079	F72693	
-158	4-3/4"	4-15/16"	3/32"	F72270	F73592	
-159	5"	5-3/16"	3/32"	F72688	F74747	
-160	5-1/4"	5-7/16"	3/32"	F75268	F7661	
-161	5-1/2"	5-11/16"	3/32"	F71172	F77415	
-165	6-1/2"	6-11/16"	3/32"	F74739	F73065	
-168	7-1/4"	7-7/16"	3/32"	F77919	F73740	
-169	7-1/2"	7-11/16"	3/32"	F74994		
-201	3/16"	7/16"	1/8"	F71140	F71717	
-202	1/4"	1/2"	1/8"	F75233	F72359	
-203	5/16"	5/8"	1/8"	F77477	F74180	
-204	3/8"	5/8"	1/8"	F7916	F7218	
-205	7/16"	11/16"	1/8"	F77105	F72798	
-206	1/2"	3/4"	1/8"	F73159	F71294	
-207	9/16"	13/16"	1/8"	F77513	F74710	
-208	5/8"	7/8"	1/8"	F72791	F75461	
-209	11/16"	15/16"	1/8"	F72030	F71450	
-210	3/4"	1"	1/8"	F71467	F74314	F74588

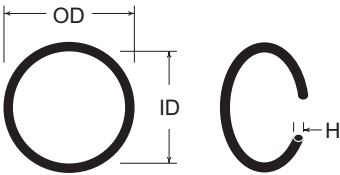
O-RINGS — BUNA & VITON (continued)

I.N.	I.D.	O.D.	'H'	Buna 70 Part No.	Buna 90 Part No.	Viton Part No.
-211	13/16"	1-1/16"	1/8"	F72149	F77936	F77994
-212	7/8"	1-1/8"	1/8"	F75267	F76478	F73804
-213	15/16"	1-3/16"	1/8"	F77190	F75905	F78293
-214	1"	1-1/4"	1/8"	F7718	F75460	F76610
-215	1-1/16"	1-5/16"	1/8"	F73036	F75524	F71133
-216	1-1/8"	1-3/8"	1/8"	F74028	F77773	F77718
-217	1-3/16"	1-7/16"	1/8"	F74335	F76398	F73023
-218	1-1/4"	1-1/2"	1/8"	F77409	F75312	F77537
-219	1-5/16"	1-9/16"	1/8"	F71542	F78036	F72716
-220	1-3/8"	1-5/8"	1/8"	F74532	F71051	F75765
-221	1-7/16"	1-11/16"	1/8"	F71444	F7276	F75477
-222	1-1/2"	1-3/4"	1/8"	F78166	F73315	F7272
-223	1-5/8"	1-7/8"	1/8"	F75170	F73057	F7556
-224	1-3/4"	2"	1/8"	F72391	F7492	F76063
-225	1-7/8"	2-1/8"	1/8"	F74598	F77663	F74150
-226	2"	2-1/4"	1/8"	F7841	F74050	
-227	2-1/16"	2-3/8"	1/8"	F73637	F75913	
-228	2-1/4"	2-1/2"	1/8"	F76377	F71132	
-229	2-3/8"	2-5/8"	1/8"	F71981	F72812	
-230	2-1/2"	2-3/4"	1/8"	F78117	F75252	
-231	2-5/8"	2-7/8"	1/8"	F73155	F78168	
-232	2-3/4"	3"	1/8"	F76908	F73694	
-233	2-7/8"	3-1/8"	1/8"	F7184	F72861	
-234	3"	3-1/4"	1/8"	F77495	F75985	
-235	3-1/8"	3-3/8"	1/8"	F767	F74987	
-236	3-1/4"	3-1/2"	1/8"	F75874	F77896	
-237	3-3/8"	3-5/8"	1/8"	F78190	F75538	
-238	3-1/2"	3-3/4"	1/8"	F73056	F72321	
-239	3-5/8"	3-7/8"	1/8"	F76760	F77677	
-240	3-3/4"	4"	1/8"	F77775	F7488	
-241	3-7/8"	4-1/8"	1/8"	F7311	F74034	
-242	4"	4-1/4"	1/8"	F74791	F74681	
-243	4-1/8"	4-3/8"	1/8"	F75984	F73227	
-244	4-1/4"	4-1/2"	1/8"	F73487	F71167	
-245	4-3/8"	4-5/8"	1/8"	F76428	F75774	
-246	4-1/2"	4-3/4"	1/8"	F76562	F72190	
-247	4-3/4"	4-7/8"	1/8"	F76901	F71532	
-248	4-3/4"	5"	1/8"	F7975	F77044	
-249	4-7/8"	5-1/8"	1/8"	F73570	F75771	
-250	5"	5-1/4"	1/8"	F75813	F75919	
-251	5-1/8"	5-3/8"	1/8"	F76284		
-252	5-1/4"	5-1/2"	1/8"	F77498		
-254	5-1/2"	5-3/4"	1/8"	F74928		
-255	5-5/8"	5-7/8"	1/8"	F75399		
-256	5-3/4"	6"	1/8"	F75307		
-257	5-7/8"	6-1/8"	1/8"	F73080		
-258	6"	6-1/4"	1/8"	F75732		
-259	6-1/4"	6-1/2"	1/8"	F72999		
-260	6-1/2"	6-3/4"	1/8"	F73617		
-261	6-3/4"	7"	1/8"	F76878		
-262	7"	7-1/4"	1/8"	F71765		
-264	7-1/2"	7-3/4"	1/8"	F74622		

I.N.	I.D.	O.D.	'H'	Buna 70 Part No.	Buna 90 Part No.	Viton Part No.
-309	7/16"	13/16"	3/16"	F77484		
-310	1/2"	7/8"	3/16"	F74375		
-311	9/16"	15/16"	3/16"	F72260		
-312	8/5"	1"	3/16"	F76158		
-313	11/16"	1-1/16"	3/16"	F77253		
-314	3/4"	1-1/8"	3/16"	F73736		
-315	13/16"	1-3/16"	3/16"	F71310		
-316	7/8"	1-1/4"	3/16"	F75250		
-317	15/16"	1-5/16"	3/16"	F7308		F78266
-318	1"	1-3/8"	3/16"	F76735		F71676
-320	1-1/8"	1-1/2"	3/16"	F7493		
-321	1-3/16"	1-9/16"	3/16"	F72263		
-322	1-1/4"	1-5/8"	3/16"	F75918		
-323	1-5/16"	1-11/16"	3/16"	F71561		
-324	1-3/8"	1-3/4"	3/16"	F77531		
-325	1-1/2"	1-7/8"	3/16"	F7864		F72062
-326	1-5/8"	2"	3/16"	F74316		F7907
-327	1-3/4"	2-1/8"	3/16"	F7897		F77651
-328	1-7/8"	2-1/4"	3/16"	F7291		F76994
-329	2"	2-3/8"	3/16"	F77687		F78137
-330	2-1/8"	2-1/2"	3/16"	F72109		F7552
-331	2-1/4"	2-5/8"	3/16"	F7209		F76526
-332	2-3/8"	2-3/4"	3/16"	F71619		F72782
-333	2-1/2"	2-7/8"	3/16"	F75711		F76595
-334	2-5/8"	3"	3/16"	F76421		F76061
-335	2-3/4"	3-1/8"	3/16"	F72775		F77407
-336	2-7/8"	3-1/4"	3/16"	F7623		F74315
-337	3"	3-3/8"	3/16"	F76094		F77454
-338	3-1/8"	3-1/2"	3/16"	F74653		
-339	3-1/4"	3-5/8"	3/16"	F73647		
-340	3-3/8"	3-3/4"	3/16"	F71757		
-341	3-1/2"	3-7/8"	3/16"	F73083		
-342	3-5/8"	4"	3/16"	F77224		
-343	3-3/4"	4-1/8"	3/16"	F73199		
-344	3-7/8"	4-1/4"	3/16"	F76130		
-345	4"	4-3/8"	3/16"	F71183		
-346	4-1/8"	4-1/2"	3/16"	F7684		
-347	4-1/4"	4-5/8"	3/16"	F72086		
-348	4-3/8"	4-3/4"	3/16"	F73960		
-349	4-1/2"	4-7/8"	3/16"	F75060		
-350	4-5/8"	5"	3/16"	F76306		
-351	4-3/4"	5-1/8"	3/16"	F7760		
-352	4-7/8"	5-1/4"	3/16"	F73421		
-353	5"	5-3/8"	3/16"	F76990		
-354	5-1/8"	5-1/2"	3/16"	F73943		
-355	5-1/4"	5-5/8"	3/16"	F7719		
-356	5-3/8"	5-3/4"	3/16"	F74319		
-363	6-1/2"	6-7/8"	3/16"	F71005		
-364	6-3/4"	7-1/8"	3/16"	F71422		
-389	20"	20-3/8"	3/16"	F71273		
-429	5"	5-1/2"	1/4"	F71647		
-431	5-1/4"	5-3/4"	1/4"	F76646		

O-RINGS — METRIC

Material: Buna 70 Rubber Compound
Specs: Heat Resistant to -40°F to +300°F
Color: Black
Applications: Seals moving or non-moving machine parts. Resists oils, lubricants, gas, hot water, vapors and fumes.



I.D.	O.D.	'H'	Part No.
3mm	6mm	1.5	F77290
4mm	7mm	1.5	F75957
5mm	8mm	1.5	F74137
6mm	9mm	1.5	F77162
7mm	10mm	1.5	F74866
7.5mm	10mm	1.5	F78056
8mm	11mm	1.5	F78330
9mm	12mm	1.5	F74536
10mm	13mm	1.5	F76789
11mm	14mm	1.5	F74408
12mm	15mm	1.5	F77106
13mm	16mm	1.5	F77182
14mm	17mm	1.5	F75738
17mm	20mm	1.5	F72614
19mm	22mm	1.5	F73515
3mm	7mm	2.0	F84111
4mm	8mm	2.0	F85149
5mm	9mm	2.0	F899
6mm	10mm	2.0	F84995
7mm	11mm	2.0	F8298
8mm	12mm	2.0	F85089
9mm	13mm	2.0	F77811
10mm	14mm	2.0	F84309
12mm	16mm	2.0	F71054
13mm	17mm	2.0	F74151
14mm	18mm	2.0	F76060
15mm	20mm	2.0	F78232
16mm	21mm	2.0	F7461
17mm	22mm	2.0	F71741
20mm	22mm	2.0	F73744
26mm	30mm	2.0	F71076
16.6mm	21.4mm	2.4	F72520
20.3mm	25.1mm	2.4	F73173
25.3mm	30.1mm	2.4	F75878
27.6mm	32.4mm	2.4	F71992
34.6mm	39.4mm	2.4	F74974
4mm	9mm	2.5	F78118
5mm	10mm	2.5	F78195
6mm	11mm	2.5	F76795
7mm	12mm	2.5	F76367
8mm	13mm	2.5	F75136
9mm	14mm	2.5	F76223
10mm	15mm	2.5	F84408
11mm	16mm	2.5	F82259
12mm	17mm	2.5	F73274
13mm	18mm	2.5	F77005
14mm	19mm	2.5	F76885
15mm	20mm	2.5	F76216

I.D.	O.D.	'H'	Part No.
16mm	21mm	2.5	F71612
17mm	22mm	2.5	F72589
18mm	23mm	2.5	F71261
19mm	24mm	2.5	F77479
21mm	26mm	2.5	F71197
22mm	27mm	2.5	F71001
32mm	37mm	2.5	F71461
38mm	43mm	2.5	F72164
5mm	11mm	3.0	F73703
6mm	12mm	3.0	F76934
8mm	14mm	3.0	F76356
9mm	15mm	3.0	F77993
11mm	17mm	3.0	F7547
12mm	18mm	3.0	F76463
13mm	19mm	3.0	F71017
14mm	20mm	3.0	F76569
15mm	21mm	3.0	F74369
16mm	22mm	3.0	F71584
18mm	24mm	3.0	F73548
19mm	25mm	3.0	F73200
20mm	26mm	3.0	F74471
21mm	27mm	3.0	F75242
22mm	28mm	3.0	F72309
23mm	29mm	3.0	F74068
24mm	30mm	3.0	F75464
25mm	31mm	3.0	F72890
26mm	32mm	3.0	F7509
27mm	33mm	3.0	F7205
28mm	34mm	3.0	F75989
29mm	35mm	3.0	F73971
30mm	36mm	3.0	F75156
31mm	37mm	3.0	F74006
32mm	38mm	3.0	F72437
33mm	39mm	3.0	F72732
35mm	41mm	3.0	F77733
36mm	42mm	3.0	F76565
37mm	43mm	3.0	F71769
38mm	44mm	3.0	F73111
41mm	47mm	3.0	F74815
42mm	48mm	3.0	F74641
44mm	50mm	3.0	F76225
45mm	51mm	3.0	F72398
46mm	52mm	3.0	F7476
47mm	53mm	3.0	F72341
48mm	54mm	3.0	F73321
49mm	55mm	3.0	F73864
51mm	57mm	3.0	F76091
52mm	58mm	3.0	F76097

I.D.	O.D.	'H'	Part No.
54mm	60mm	3.0	F72553
55mm	61mm	3.0	F71179
56mm	62mm	3.0	F76248
58mm	64mm	3.0	F78222
59mm	65mm	3.0	F7894
60mm	66mm	3.0	F74406
62mm	68mm	3.0	F72816
64mm	70mm	3.0	F73387
66mm	72mm	3.0	F77823
69mm	75mm	3.0	F76768
13mm	20mm	3.5	F7312
16mm	23mm	3.5	F72514
11mm	19mm	4.0	F7232
12mm	20mm	4.0	F78306
16mm	24mm	4.0	F75917
17mm	25mm	4.0	F77538
18mm	26mm	4.0	F78197
19mm	27mm	4.0	F73560
20mm	28mm	4.0	F72463
21mm	29mm	4.0	F72082
22mm	30mm	4.0	F71583
23mm	31mm	4.0	F75029
24mm	32mm	4.0	F75550
25mm	33mm	4.0	F73805
28mm	36mm	4.0	F73583
29mm	37mm	4.0	F7816
30mm	38mm	4.0	F72672
32mm	40mm	4.0	F72777
33mm	41mm	4.0	F72311
34mm	42mm	4.0	F75669
37mm	45mm	4.0	F76198
38mm	46mm	4.0	F73473
41mm	49mm	4.0	F76848
43mm	51mm	4.0	F73692
44mm	52mm	4.0	F72733
45mm	53mm	4.0	F7888
50mm	58mm	4.0	F76438
64mm	72mm	4.0	F71905
65mm	73mm	4.0	F77333
67mm	75mm	4.0	F71108
68mm	76mm	4.0	F75442
16mm	26mm	5.0	F73029
30mm	40mm	5.0	F71258
32mm	42mm	5.0	F76446
35mm	45mm	5.0	F72657

O-RINGS — METRIC JIS

Material: Viton
Temperature Range: -15°F to +400°F
Color: Black
Special: JIS Dimensions

Resistant to petroleum products and many chemicals
Note: Not For use with R-134A refrigerant systems.
 See Green A/C O-Rings!



Ind No.	I.D.	'H'	Part No.
S-5	4.50	1.50	F74749
S-6	5.50	1.50	F75844
S-7	6.50	1.50	F7225
S-8	7.50	1.50	F7546
S-9	8.50	1.50	F72142
S-15	14.50	1.50	F75687
S-16	14.50	1.50	F73825
S-25	19.50	1.50	F75393
S-30	29.50	2.00	F72682
S-32	31.50	2.00	F75331
S-34	33.50	2.00	F78100
S-35	34.50	2.00	F76834

Ind No.	I.D.	'H'	Part No.
P-3	2.80	1.90	F72036
P-4	3.80	1.90	F71251
P-9	8.80	1.90	F77102
P-10	9.80	1.90	F73569
P-11	10.80	2.40	F75809
P-12	11.80	2.40	F76043
P-14	13.80	2.40	F72324
P-16	15.80	2.40	F78242
P-18	17.80	2.40	F72475
P-20	19.80	2.40	F76722
P-21	20.80	2.40	F76700
P-22	21.80	2.40	F71390

Ind No.	I.D.	'H'	Part No.
P-25	24.70	3.50	F74347
P-26	25.70	3.50	F74188
P-31	30.70	3.50	F72069
P-31.5	31.20	3.50	F73148
P-35	34.70	3.50	F76146
P-40	39.70	3.50	F75240

O-RINGS — QUAD RINGS

- Buna 70
- Temperature Range -40°F to +250°F
- Black
- Resistant to Petroleum Products



I.N.	I.D.	O.D.	'H'	Part No.
110	3/8	9/16	3/32	F74181
111	7/16	5/8	3/32	F73945
112	1/2	11/16	3/32	F77489
113	9/16	3/4	3/32	F76635
114	5/8	13/16	3/32	F75884
115	11/16	7/8	3/32	F77923
116	3/4	15/16	3/32	F75067
118	7/8	1-1/16	3/32	F71091
120	1	1-3/16	3/32	F77879
122	1-1/8	1-5/16	3/32	F72146
124	1-1/4	1-7/16	3/32	F73953
204	3/8	5/8	1/8	F73654
205	7/16	11/16	1/8	F73040
206	1/2	3/4	1/8	F72952
207	9/16	13/16	1/8	F73539

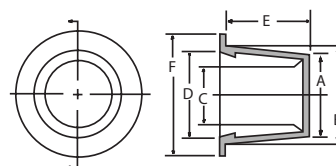
I.N.	I.D.	O.D.	'H'	Part No.
208	5/8	7/8	1/8	F73359
209	11/16	15/16	1/8	F74950
210	3/4	1	1/8	F7751
212	7/8	1-1/8	1/8	F7282
214	1	1-1/4	1/8	F71176
216	1-1/8	1-3/8	1/8	F72650
220	1-3/8	1-5/8	1/8	F75397
222	1-1/2	1-3/4	1/8	F71359
224	1-3/4	2	1/8	F73495
226	2	2-1/4	1/8	F72638
314	3/4	1-1/8	3/16	F73675
316	7/8	1-1/4	3/16	F75651
318	1	1-1/8	3/16	F7469
320	1-1/8	1-1/2	3/16	F77100
322	1-1/4	1-3/8	3/16	F76755

I.N.	I.D.	O.D.	'H'	Part No.
324	1-3/8	1-3/4	3/16	F75838
325	1-1/2	1-7/8	3/16	F7745
326	1-5/8	2	3/16	F74760
328	1-7/8	2-1/4	3/16	F77013
329	2	2-3/8	3/16	F71227
330	2-1/8	2-1/2	3/16	F7814
331	2-1/4	2-5/8	3/16	F75187
332	2-3/8	2-3/4	3/16	F75149
333	2-1/2	2-7/8	3/16	F76728
336	2-7/8	3-1/4	3/16	F71596
338	3-1/8	3-1/2	3/16	F73761
339	3-1/4	3-5/8	3/16	F74728
340	3-3/8	3-3/4	3/16	F76972
341	3-1/2	3-7/8	3/16	F7874

7

CAPPLUGS

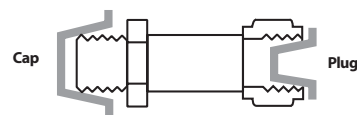
- Protect brass, malleable, copper sweat and hydraulic fittings, electrical connectors and machined parts
- Seals out dust and moisture during shipping and storage
- Serve as masking devices in dipping, painting and plating operations
- Tapered design For use as cap or plug
- Tough, Flexible, low density red polyethylene



A	B	C	D	E	F	Caplug No.	Part No.
.236	.302	.174	.240	.38	.44	1	F71044
.299	.365	.235	.302	.38	.50	2	F77838
.330	.396	.267	.333	.38	.53	2X	F76503
.361	.427	.298	.365	.38	.56	2X	F75922
.390	.456	.327	.394	.38	.59	3X	F73820
.419	.485	.356	.422	.38	.63	4	F7303
.447	.513	.385	.451	.38	.66	4X	F71896
.471	.547	.409	.485	.44	.69	5	F71660
.532	.608	.468	.545	.44	.75	6	F72959
.550	.631	.487	.568	.47	.75	6X	F76501
.580	.667	.518	.605	.50	.81	7	F7927
.640	.727	.578	.664	.50	.88	8	F7807
.675	.755	.613	.693	.50	.88	8X	F74368
.690	.788	.628	.726	.56	.94	9	F72915
.725	.823	.663	.761	.56	.97	9X	F71441
.750	.848	.687	.785	.56	1.00	10	F77759
.802	.911	.740	.849	.63	1.06	11	F73946
.815	.930	.753	.868	.63	1.09	11X	F71967
.915	1.040	.855	.980	.69	1.16	12X	F7781
.964	1.090	.901	1.027	.75	1.25	13	F72178

A	B	C	D	E	F	Caplug No.	Part No.
.995	1.145	.933	1.083	.75	1.31	13X	F7982
1.094	1.215	1.031	1.152	.75	1.41	14	F74703
1.175	1.284	1.113	1.222	.63	1.44	14X	F77295
1.235	1.360	1.173	1.298	.81	1.50	15X	F72823
1.312	1.465	1.249	1.402	.88	1.63	16	F75705
1.513	1.600	1.451	1.537	.50	1.75	175	F78313
1.560	1.682	1.498	1.620	.75	1.88	18	F71726
1.630	1.750	1.568	1.688	.75	1.94	18X	F71861
1.750	1.880	1.688	1.818	.75	2.00	19	F72015
1.780	1.950	1.718	1.888	1.00	2.13	20	F75375
1.844	2.000	1.781	1.938	1.00	2.13	210	F768
1.738	2.163	1.668	2.093	1.18	2.31	21A	F74303
1.900	2.076	1.837	2.013	1.00	2.25	21	F73432
1.975	2.132	1.913	2.070	1.00	2.25	220	F7353
2.067	2.243	2.005	2.181	1.00	2.44	221	F76141
2.136	2.312	2.074	2.250	1.00	2.56	230	F74635
2.230	2.260	2.168	2.198	.50	2.50	245	F73695
2.298	2.464	2.235	2.401	1.00	2.63	240	F73280
2.395	2.602	2.333	2.540	1.03	2.81	250	F72325

CAPLUG SELECTION CHART



CLOSURES FOR TUBING & HYDRAULIC FITTINGS

Caps

Dash Size	Tubing O.D.	Thread	Caplug No.	Part No.
-2	1/8	5/16-24	2	F77838
-3	3/16	3/8-24	3X	F73820
-4	1/4	5/16-20	4X	F71896
-5	5/16	1/2-20	5	F71660
-6	3/8	9/16-18	6X	F76501
-8	1/2	3/4-18	9X	F71441
-10	5/8	7/8-14	11X	F71967
-12	3/4	1-1/16-12	13X	F7982
-16	1	1-5/16-12	15X	F72823
-20	1-1/4	1-5/8-12	18	F71726
-24	1-1/2	1-7/8-12	20	F75375
-28	1-3/4	2-1/4-12	230	F74635
-32	2	2-1/2-12	250	F72325

Plugs

Dash Size	Tubing O.D.	Thread	Caplug No.	Part No.
-2	1/8	5/16-24	1	F71044
-3	3/16	3/8-24	2	F77838
-4	1/4	5/16-20	3	F75922
-5	5/16	1/2-20	4	F7303
-6	3/8	9/16-18	5	F71660
-8	1/2	3/4-18	8	F7807
-10	5/8	7/8-14	10	F77759
-12	3/4	1-1/16-12	12X	F7781
-16	1	1-5/16-12	14X	F77295
-20	1-1/4	1-5/8-12	17S	F78313
-24	1-1/2	1-7/8-12	19	F72015
-28	1-3/4	2-1/4-12	221	F76141
-32	2	2-1/2-12	240	F73280

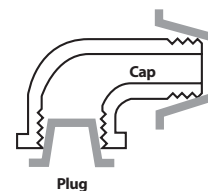
CLOSURES FOR THREADED EXTERNAL & INTERNAL N.P.T. FITTINGS

Caps

Size (Inches)	Caplug No.	Part No.
1/8	4	F7303
1/4	6	F72959
3/8	8X	F74368
1/2	11	F73946
3/4	13X	F7982
1	15X	F72823
1-1/4	18	F71726
1-1/2	20	F75375
2	240	F73280

Plugs

Size (Inches)	Caplug No.	Part No.
1/8	2X	F76503
1/4	4	F7303
3/8	6X	F76501
1/2	9	F72915
3/4	12X	F7781
1	14	F74703
2	24S	F73695



CLOSURES FOR UNTHREADED STANDARD WEIGHT PIPE

Caps

Size (Inches)	Caplug No.	Part No.
1/8	4	F7303
1/4	6X	F76501
3/8	8X	F74368
1/2	11	F73946
3/4	13X	F7982
1	16	F75705
1-1/4	18X	F71861
1-1/2	210	F768
2	240	F73280

Plugs

Size (Inches)	Caplug No.	Part No.
1/8	1	F71044
1/4	2X	F76503
3/8	5	F71660
1/2	7	F7927
3/4	10	F77759
1	13	F72178
1-1/4	16	F75705
1-1/2	18	F71726
2	220	F7353



CAPS/PLUGS PLASTIC THREADED



PLASTIC THREADED CAPS

ToFit Tube Size	ToFit Thread Size	Caplug No.	Part No.
	1/4-36	CD2	F75708
3/16	3/8-24	CD3	F73628
1/4	7-16-20	CD4	F78161
5/16	1/2-20	CD5	F72198
3/8	9/16-18	CD6	F73248
1/2	3/4-16	CD8	F74089
5/8	7/8-14	CD10	F74613
	1-14	CD11	F73361
3/4	1-1/16-12	CD12	F72133
7/8	1-3/16-12	CD14	F76433
1	1-5/16-12	CD16	F76498
	1/2-12	CD18	F75854
1-1/4	1-5/8-12	CD20	F71985
	1-3/4-12	CD22	F76441

PLASTIC THREADED PLUGS

ToFit Tube Size	ToFit Thread Size	Caplug No.	Part No.
1/8	5/16-24	PD20	F77744
3/16	3/8-24	PD30	F75646
1/4	7/16-20	PD40	F77599
5/16	1/2-20	PD50	F77357
3/8	9/16-18	PD60	F74412
1/2	3/4-16	PD80	F74607
5/8	7/8-14	PD100	F7343
3/4	1-1/16-12	PD120	F76538
7/8	1-3/16-12	PD140	F76358
1	1-5/16-12	PD160	F75191
1-1/4	1-5/8-12	PD200	F72535
1-1/2	1-7/8-12	PD240	F76555
1-3/4	2-1/4-12	PD280	F7330
2	2-1/2-12	PD320	F71570