



ARGCO

PIPE FITTINGS



GROOVED PIPE COUPLINGS & FITTINGS



MATERIALS HOUSING

The housing segments not only provide significant strength to the joint but they also compress and protect the gasket from exposure, ARGCO coupling housings and components are cast in a variety of materials as shown below.



Ductile Iron: Standard coupling housings and fittings are made of ductile iron conforming to ASTM A536 Gr. 65-45-12.

The properties of Grade 65-45-12 ductile iron are as follows; 65,000 psi (448 MPa) tensile strength, 45,000 psi (310 MPa) yield strength and 12% elongation. As an option we also offer ductile iron made to ASTM A395 Gr. 60-40-18, for applications where required or where boiler codes may apply.

FINISHES

ARGCO carbon steel grooved couplings and fittings are available in a standard Orange Enamel paint finish, but are also available Hot Dipped Galvanized and an optional Stainless Steel casting depending on the intended application. Call for details.



GASKETS

ARGCO gaskets are available in a variety of configurations and compounds to meet your specific requirements. These gaskets have excellent self sealing capabilities and are designed to provide a leak tight seal. During assembly the gasket is first stretched over the pipe ends which forms the initial seal. As the housing segments are installed and secured the pressure responsive gasket is slightly compressed to form a leak-tight joint. The strength of the seal is further enhanced by internal line pressure that creates downward pressure on the lips of the gasket. The gasket also seals well under vacuum conditions up to 10 inHg (254 mmHg) which may occur when a system is drained. Please refer to the ARGCO Gasket Selection Guide for additional details and gasket materials.



NUTS & BOLTS

ARGCO products utilize oval neck track bolts and heavy duty hex nuts, available either in UNC threaded or ISO metric threaded. The oval neck track bolts mate into the oval holes in the housing segments to allow for easy tightening using only a single wrench/spanner. The UNC bolts and nuts are electro zinc plated in a silver chromate color and ISO bolts and nuts in a gold chromate color.

Hot-dip galvanized bolts and nuts are also available upon request. (M10 to M22 only)

Stainless steel track bolts and nuts, type 304 or 316, are supplied with ARGCO stainless steel couplings. Stainless steel track bolts and nuts are molybdenum disulfide (MoS₂) coated to inhibit galling.



GROOVED COUPLINGS

STANDARD RIGID

Model 101



The ARGCO Model 101 is an angle-pad design standard rigid coupling for moderate pressure piping services including fire mains, long straight runs and valve connections.

The angle-pad design allows the coupling housings to slide along the bolt pads when tightened. The result is an offset clamping action which provides a rigid joint which resists so-called 'snaking' of a long straight run. Support and hanging requirements correspond to ANSI B31.1, B31.9 and NFPA 13.

With the removal of only one bolt you can make a fast and easy 'swing-over' installation.

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PUSH-ON STANDARD RIGID



ARGCO's PUSH-ON rigid coupling is a truly rigid grooved pipe coupling which does not allow for any axial movement, angular movement and/or rotational movement under normal service conditions.

Allows the pipe to move into the couplings directly without loosening components.

Support and hanging requirements correspond to ANSI B31.1, B31.9 and NFPA 13.

Applications: All piping including mechanical rooms where no angular or axial movement is desired. Dry-system fire protection pipelines

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STANDARD FLEXIBLE

Model 104



ARGCO flexible couplings allow for full design features in applications such as curved or deflected layouts and or when systems are exposed to outside forces beyond normal static conditions such as seismic events or where vibration and or noise attenuation are a concern. The ability to design in controlled flexibility is an advantageous feature when compared to traditional rigid joining methods such as threading, flanging and welding. When designing with flexible couplings you must allow for proper support to the system so as to eliminate undesired stress.

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REDUCING COUPLINGS

Model 105



The ARGCO Model 105 reducing coupling allows for direct reduction on a piping run and eliminates the need for a concentric reducer and couplings.

The specially designed rubber gasket helps prevent small pipe from telescoping into larger pipe during vertical assembly.

Caution: Model 105 couplings should not be used with an end cap, as the end may be sucked into the pipe when draining the system.

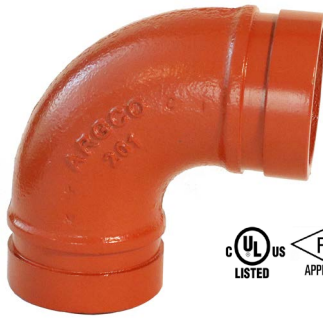
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GROOVED ELBOWS

STANDARD RADIUS 90° ELBOW

Model 201

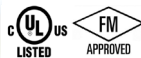


- 1" through 12" (25 through 300 mm)
- Pipe Material: Carbon steel, Schedule 10, Schedule 40.
- Maximum Working Pressure: Up to 300 psi/20 bar
- Provides a rigid pipe joint designed to restrict axial or angular movement.
- Housing Coating: Standard: Orange Enamel & Hot Dipped Galvanized

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STANDARD RADIUS 45° ELBOW

Model 208



- 1" through 12" (25 through 300 mm)
- Pipe Material: Carbon steel, Schedule 10, Schedule 40.
- Maximum Working Pressure: Up to 300 psi/20 bar
- Provides a rigid pipe joint designed to restrict axial or angular movement.
- Housing Coating: Standard: Orange Enamel & Hot Dipped Galvanized

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GROOVED STANDARD RADIUS 22.5° ELBOW

Model 206



- 2" through 12" (50 through 300 mm)
- Pipe Material: Carbon steel, Schedule 10, Schedule 40.
- Maximum Working Pressure: Up to 300 psi/20 bar
- Provides a rigid pipe joint designed to restrict axial or angular movement.
- Housing Coating: Standard: Orange Enamel & Hot Dipped Galvanized

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GROOVED STANDARD RADIUS 11.25° ELBOW

Model 207



- 1-1/4" through 8" (32 through 200 mm)
- Pipe Material: Carbon steel, Schedule 10, Schedule 40.
- Maximum Working Pressure: Up to 300 psi/20 bar
- Provides a rigid pipe joint designed to restrict axial or angular movement.
- Housing Coating: Standard: Orange Enamel & Hot Dipped Galvanized

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GROOVED ELBOWS

GROOVED SHORT RADIUS 90° ELBOW



ARGCO short radius fittings, while primarily designed for fire protection applications, can also be used for general service requirements.

- 2" through 12" (50 through 300 mm)
- Pipe Material: Carbon steel, Schedule 10, Schedule 40.
- Maximum Working Pressure: Up to 300 psi/20 bar
- Provides a rigid pipe joint designed to restrict axial or angular movement.
- Housing Coating: Standard: Orange Enamel & Hot Dipped Galvanized



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GROOVED END OF RUN REDUCING ELBOW (ADACAP) MODEL 203A



Ductile iron 90° grooved-end elbow with base support, designed for installation at the bottom of a riser system. An anchor can be placed in conjunction with the base to support the weight of the pipe, coupling and fluid.

Joins carbon steel grooved pipe to threaded pipe.

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GROOVED DRAIN ELBOW Model 204



ARGCO's Model 204 Drain Elbow is a grooved-end ductile iron cast elbow with an integral 1" NPT drain.

The 204 was primarily designed for, but not limited to, used on fire protection standpipes

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GROOVED TEES

GROOVED STANDARD RADIUS TEES

Model 301



- 2" through 12" (50 through 300 mm)
- Pipe Material: Carbon steel, Schedule 10, Schedule 40.
- Maximum Working Pressure: Up to 300 psi/20 bar
- Provides a rigid pipe joint designed to restrict axial or angular movement.
- Housing Coating: Standard: Orange Enamel & Hot Dipped Galvanized

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GROOVED SHORT RADIUS TEES

Model 302



- 2" through 10" (50 through 250 mm)
- Pipe Material: Carbon steel, Schedule 10, Schedule 40.
- Maximum Working Pressure: Up to 300 psi/20 bar
- Provides a rigid pipe joint designed to restrict axial or angular movement.
- Housing Coating: Standard: Orange Enamel & Hot Dipped Galvanized

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GROOVED REDUCING TEES

Model 303



- Pipe Material: Carbon steel, Schedule 10, Schedule 40.
- Maximum Working Pressure: Up to 300 psi/20 bar
- Provides a rigid pipe joint designed to restrict axial or angular movement.
- Housing Coating: Standard: Orange Enamel & Hot Dipped Galvanized

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GROOVED CROSSES

SHORT RADIUS CROSSES

Model 401



- 2" through 6" (50 through 150 mm)
- Pipe Material: Carbon steel, Schedule 10, Schedule 40.
- Maximum Working Pressure: Up to 300 psi/20 bar
- Provides a rigid pipe joint designed to restrict axial or angular movement.
- Housing Coating: Standard: Orange Enamel & Hot Dipped Galvanized

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ARGCO

GROOVED END CAP

Model 601



- 1-1/4" through 6" (32 through 150 mm)
- Pipe Material: Carbon steel, Schedule 10, Schedule 40.
- Maximum Working Pressure: Up to 300 psi/20 bar
- Provides a seal to the end of a grooved pipeline system
- Housing Coating: Standard: Orange Enamel & Hot Dipped Galvanized

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GROOVED DRAIN CAP

Model 602



ARGCO Model 602 End Cap with Hole is an ideal transition fitting when a large reduction is required such as 6"×1", 4"×1" etc. Off-center outlet and are suitable for horizontal piping applications, as the drainage outlet can be positioned at the bottom of the cap to facilitate complete drainage and prevent liquid retention.

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GROOVED CONCENTRIC REDUCER

MODEL 701



ARGCO Model 701 is primarily used to transition between two pipe sections of different diameters while maintaining the same center axis of the pipe and flow. It's commonly found in industrial and commercial piping systems like gas pipelines and water supply systems, especially where a change in pipe size is needed to manage flow or pressure.

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THREADED x GROOVED CONCENTRIC REDUCER

MODEL 702



ARGCO Model 701 is primarily used to transition between two different pipe sizes while also providing a connection point for both threaded and grooved piping systems. It allows for a change in pipe diameter along the same axis while accommodating connections via threading and grooving.

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MECHANICAL TEES

MECHANICAL TEE (THREAD)

Model 403



The Model 302 Mechanical Tee provides a fast and easy mid-pipe threaded branch outlet. It eliminates the need for welding or multiple fittings. The mechanical tee utilizes ductile iron housings, a grade E moulded gasket and heat-treated carbon steel track bolts and nuts. Pressure rated to 300 psi (20 bar).

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FIRE-LET SMALL MECHANICAL TEE (THREAD)

Model 502



The Model 502 Saddle-Lets is the ideal outlet fitting for direct connections to sprinkler heads, drop nipples and or gauges. No need for welding, just cut or drill a hole at the desired outlet location. Position the Saddle-Let so that the locating collar fits within the hole and secure with the U-bolt and nuts. The Saddle-Let allows full bore flow and is pressure rates to 300 psi (20 bar).

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MECHANICAL TEE (GROOVE)

Model 402

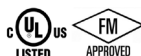


The Model 301 Mechanical Tee provides a fast and easy mid-pipe grooved branch outlet. The mechanical tee utilizes ductile iron housings, a grade E gasket and heat-treated carbon steel track bolts and nuts. Maximum working pressure: 300 psi (20 bar).

[CLICK HERE FOR TECHNICAL DATA](#)

U-BOLT MECHANICAL TEE (SADDLE-LET)

Model 501



The Model 300U Saddle-Lets is the ideal outlet fitting for direct connections to sprinkler heads, drop nipples and or gauges. No need for welding, just cut or drill a hole at the desired outlet location. Position the Saddle-Let so that the locating collar fits within the hole and secure with the U-bolt and nuts. The Saddle-Let allows full bore flow and is pressure rates to 300 psi (20 bar).

[CLICK HERE FOR TECHNICAL DATA](#)



GROOVED FLANGE ADAPTER NIPPLES

Model 802



The Model 802 Flange Adapter Nipple allows for direct connection of a grooved system to ANSI class 12/150 flanged components

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GROOVED FLANGE ADAPTERS

Model 901



The Model 901 Flange Adapter allows for direct connection of a grooved system to ANSI class 125/150 flanged components

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GASKET SELECTION GUIDE FOR GROOVED



GASKET SELECTION GUIDE

ARGCO utilizes the finest gasket materials available in our products. Over the past 50 year great advances have been made in synthetic elastomer technologies, allowing us to offer a full range of synthetic rubber gasket materials for a wide variety of piping applications. ARGCO gaskets are engineered and designed to meet and exceed standards such as ASTM D2000, AWWA C606, NSF61 and IAPMO. Our own stringent internal laboratory testing confirms this. Our continual research, development and testing are designed to advance the elastomer field and to develop better solutions for our ever changing industry.

Chemical resistance is primarily determined by the grade and or the compound of the gasket. The color coding identifies the gasket grade and or compound. Always verify that the gasket selected is correct for the intended service.

Service temperature is controlled by factors including the gasket compound, fluid medium (air, water, oils, etc.), and continuity (continuous or intermittent) of service. Under no circumstances should gaskets be exposed to temperatures above or below their individual ratings.

COMPOUND	GRADE	COLOR CODE	RECOMMENDED SERVICES	Maximum Temp. Range
EPDM	E	GREEN STRIPE	Good for cold & hot water up to +230°F (+110°C). Also good for services for water with acid, water with chlorine, deionized water, seawater and waste water, dilute acids, oil-free air and many chemicals. Not recommended for petroleum oils, solvents and aromatic hydrocarbons.	-29°F (-34°C) to +230°F (+110°C)
Nitrile	T	ORANGE STRIPE	Good for petroleum oils, mineral oils, vegetable oils, aromatic hydrocarbons, many acids and water ≤ +150°F (+65°C).	-20°F (-29°C) to +180°F (+82°C)
White Nitrile	A	WHITE GASKET	Good for oily and greasy food products and processing, as well as pharmaceutical and cosmetics manufacturing. Compounded from FDA approved ingredients (CFR Title 21 Part 177.2600).	-20°F (-7°C) to +180°F (+82°C)
Silicone	L	RED STRIPE	Good for dry, hot air without hydrocarbons and some high temperature chemical services. May also be used for fire protection dry systems.	-29°F (-34°C) to +350°F (+177°C)
Fluoro-Elastomer (Viton)	O	BLUE STRIPE	Good for many oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, organic liquids and air with hydrocarbons to +300°F (+149°C).	-20°F (-7°C) to +300°F (+149°C)



DUCTILE IRON THREADED PIPE FITTINGS

ARGCO's line of Ductile Iron Threaded Fittings conform to, comply with the following standards:
Mechanical Properties of Ductile Iron in accordance with ASTM A536 (Grade 65-45-12)

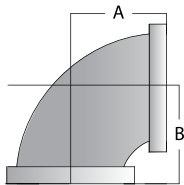
Hardness: 131-222 BHN

Fittings are manufactured in accordance with ASME B16.3 and ASME B16.14 Threads NPT per ASME B1.20.1

AVAILABLE IN 1" - 2" FITTINGS ARE 100" AIR TESTED HYDROSTATIC DESIGN TEST PRESSURE 500 PSI

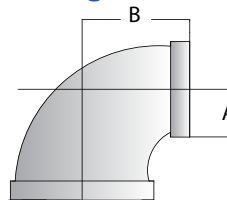


90° Elbows



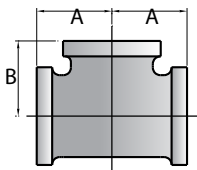
NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1/2"	1.12	1.12	0.30
3/4"	1.31	1.31	0.45
1"	1.50	1.50	0.62
1-1/4"	1.75	1.75	0.90
1-1/2"	1.94	1.94	1.20
2"	2.25	2.25	1.85

90° Reducing Elbows



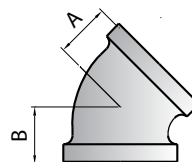
NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1 X 1/2"	1.26	1.36	0.44
1 X 3/4"	1.37	1.45	0.52
1 1/4 X 1/2"	1.34	1.53	0.64
1 1/4 X 3/4"	1.45	1.62	0.72
1 1/4" X 1"	1.58	1.67	0.75
1 1/2" X 1"	1.65	1.80	0.92
1 1/2" X 1 1/4"	1.82	1.88	1.08
2" X 1/2"	1.49	1.88	1.08
2" X 3/4"	1.60	1.97	1.24
2" X 1"	1.73	2.02	1.40
2" X 1 1/4"	1.90	2.10	1.52
2" X 1 1/2"	2.02	2.16	1.65

Straight Tees



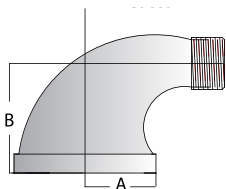
NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1/2"	1.12	1.12	0.41
3/4"	1.31	1.31	0.60
1"	1.50	1.50	0.85
1-1/4"	1.75	1.75	1.22
1-1/2"	1.94	1.94	1.55
2"	2.25	2.25	2.45

45° Elbows



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1"	1.12	1.12	0.46
1 1/4"	1.29	1.29	0.73
1 1/2"	1.43	1.43	0.92
2"	1.68	1.68	1.50

Street 90s



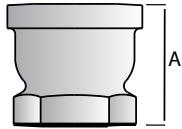
NOM SIZE	ITEM WEIGHT
1/2"	0.12
3/4"	0.22
1"	0.38
1-1/4"	0.58
1-1/2"	0.73
2"	1.13



DUCTILE IRON THREADED PIPE FITTINGS

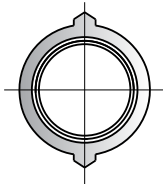
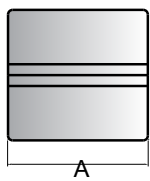


Reducing Couplings



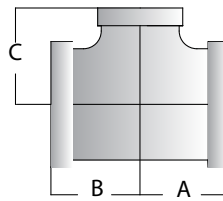
NOM SIZE	DIM. A	ITEM WEIGHT
1 X 1/2"	1.69	0.39
1 X 3/4"	1.69	0.53

Straight Couplings



NOM SIZE	DIMENSION A	ITEM WEIGHT
1/2"	1.12	0.20
3/4"	1.31	0.30
1"	1.50	0.48
1-1/4"	1.75	0.75
1-1/2"	1.94	1.00
2"	2.25	1.45

Reducing Tees



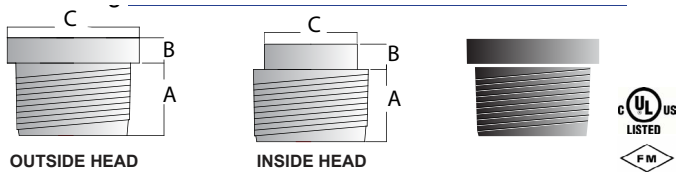
NOM SIZE	DIMENSION			ITEM WEIGHT
	A	B	C	
1" x 1"x 1/2"	1.26	1.26	1.36	0.64
1" x 1" x 3/4"	1.37	1.37	1.45	0.73
1" x 1/2" x 1"	1.50	1.36	1.50	0.71
1" x 3/4" x 1"	1.50	1.45	1.50	0.76
1" x 1" x 1 1/4"	1.67	1.67	1.58	0.98
1" x 1" x 1 1/2"	1.80	1.80	1.65	1.16
1 1/4" x 1" x 1/2"	1.34	1.26	1.53	0.82
1 1/4" x 1" x 3/4"	1.45	1.37	1.62	0.90
1 1/4" x 1" x 1"	1.58	1.50	1.67	1.00
1 1/4" x 1" x 1 1/4"	1.75	1.67	1.75	1.08
1 1/4" x 1" x 1 1/2"	1.88	1.88	1.82	1.42
1 1/4" x 1 1/4" x 1/2"	1.34	1.34	1.53	0.86
1 1/4" x 1 1/4" x 3/4"	1.45	1.45	1.62	0.92
1 1/4" x 1 1/4" x 1"	1.58	1.58	1.67	0.95
1 1/4" x 1 1/4" x 1"	1.88	1.88	1.82	1.45
1 1/4" x 1 1/4" x 2"	2.10	2.10	1.90	1.75
1 1/2" x 1" x 1/2"	1.41	1.34	1.66	0.95
1 1/2" x 1" x 3/4"	1.52	1.37	1.75	1.14
1 1/2" x 1" x 1"	1.65	1.50	1.80	1.17
1 1/2" x 1" x 1 1/4"	1.82	1.67	1.88	1.34
1 1/2" x 1" x 1 1/2"	1.94	1.80	1.94	1.45
1 1/2" x 1 1/4" x 1/2"	1.41	1.34	1.66	1.05
1 1/2" x 1 1/4" x 3/4"	1.52	1.45	1.75	1.15
1 1/2" x 1 1/4" x 1"	1.65	1.58	1.80	1.25
1 1/2" x 1 1/4" x 2"	2.16	2.10	2.02	1.90
1 1/2" x 1 1/2" x 1/2"	1.41	1.41	1.16	1.15
1 1/2" x 1 1/2" x 3/4"	1.52	1.52	1.75	1.24
1 1/2" x 1 1/2" x 1"	1.65	1.65	1.80	1.30
1 1/2" x 1 1/2" x 1"	1.82	1.82	1.88	1.48
1 1/2" x 1 1/2" x 2"	2.16	2.16	2.02	1.98
2" x 1" x 2"	2.25	2.02	2.25	2.15
2" x 1 1/4" x 2"	2.25	2.10	2.25	2.30
2" x 1 1/2" x 1/2"	1.49	1.41	1.88	1.50
2" x 1 1/2" x 3/4"	1.60	1.52	1.97	1.62
2" x 1 1/2" x 1"	1.73	1.65	2.02	1.64
2" x 1 1/2" x 1 1/4"	1.90	1.82	2.10	1.80
2" x 1 1/2" x 1 1/2"	2.02	1.94	2.16	2.00
2" x 1 1/2" x 2"	2.25	2.16	2.25	2.35
2" x 2" x 1/2"	1.49	1.49	1.88	1.60
2" x 2" x 3/4"	1.60	1.60	1.97	1.68
2" x 2" x 1"	1.73	1.73	2.02	1.85
2" x 2" x 1 1/4"	1.90	1.90	2.10	2.04
2" x 2" x 1 1/2"	2.02	2.02	2.16	2.18
2" x 2" x 2 1/2"	2.60	2.60	2.39	3.61
2 1/2" x 2" x 3/4"	1.74	1.60	2.32	2.28



DUCTILE IRON THREADED PIPE FITTINGS

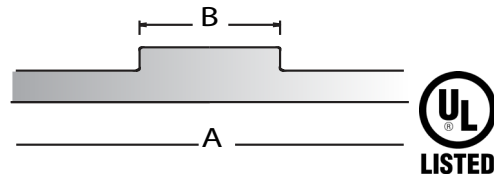


BUSHINGS



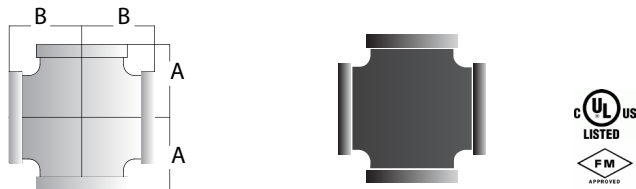
NOM SIZE	DIMENSION			STYLE	ITEM WT.
	A	B	C		
1 X 1/2"	0.75	0.25	1.42	OUT	0.22
1 X 3/4"	0.75	0.25	1.42	OUT	0.17
1 1/4" X 1"	0.80	0.28	1.76	OUT	1.28
1 1/2" X 1"	0.83	0.31	2.00	OUT	0.44
1 1/2" X 1 1/4"	0.83	0.31	2.00	OUT	0.30
2" X 1"	0.88	0.41	1.95	IN	0.66
2" X 1 1/4"	0.88	0.34	2.48	OUT	0.72
2" X 1 1/2"	0.88	0.34	2.48	OUT	0.61

Floor Flanges



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1/2"	3.50	2.50	0.56
3/4"	3.50	2.50	0.60
1"	4.00	3.0	0.84
1 1/4"	4.00	3.00	0.90
1 1/2"	4.50	3.50	1.20
2"	5.50	4.25	2.03

CROSSES



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1"	1.50	1.50	0.98
1 1/4"	1.75	1.75	1.50
1 1/2"	1.94	1.94	1.90
2"	2.25	2.25	2.95
1 1/4" X 1"	1.58	1.67	1.27
1 1/2" X 1"	1.65	1.80	1.45
2" X 1"	1.73	2.02	2.10

CAPS



NOM SIZE	DIM. A	ITEM WEIGHT
1"	1.16	0.32
1 1/4"	1.28	0.43
1 1/2"	1.33	0.60
2"	1.45	0.91



GALVANIZED DUCTILE IRON THREADED PIPE FITTINGS

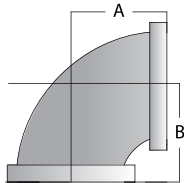
ARGCO's line of Ductile Iron Threaded Fittings conform to, comply with the following standards:

- ASTM A 197 Standard Spec for Cupola Malleable Iron
- ASTM A 153 Standard Spec for Zinc Coating (Hot Dip) on Iron and Steel
- ASTM B 16.3 Iron Threaded Fittings Class 150
- ASTM B 16.39 Iron Threaded Union Class 150
- ANSI/ASME Pipe Threads, General Purpose (NPT)



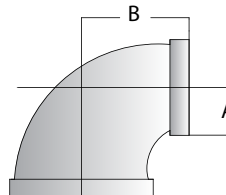
AVAILABLE IN 1" - 2" FITTINGS ARE 100" AIR TESTED HYDROSTATIC DESIGN TEST PRESSURE 500 PSI

Straight 90° Elbows



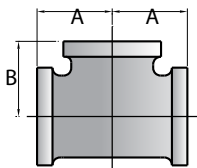
NOM SIZE	A	B	ITEM WEIGHT
1/2"	1.12	1.12	0.30
3/4"	1.31	1.31	0.45
1"	1.50	1.50	0.62
1-1/4"	1.75	1.75	0.90
1-1/2"	1.94	1.94	1.20
2"	2.25	2.25	1.85

Reducing 90's



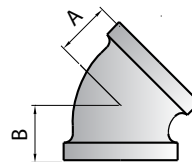
NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1 X 1/2"	1.26	1.36	0.44
1 X 3/4"	1.37	1.45	0.52
1 1/4 X 1/2"	1.34	1.53	0.64
1 1/4 X 3/4"	1.45	1.62	0.72
1 1/4" X 1"	1.58	1.67	0.75
1 1/2" X 1"	1.65	1.80	0.92
1 1/2" X 1 1/4"	1.82	1.88	1.08
2" X 1/2"	1.49	1.88	1.08
2" X 3/4"	1.60	1.97	1.24
2" X 1"	1.73	2.02	1.40
2" X 1 1/4"	1.90	2.10	1.52
2" X 1 1/2"	2.02	2.16	1.65

Straight Tees



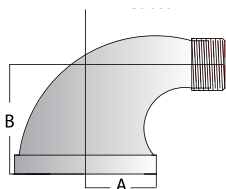
NOM SIZE	A	B	ITEM WEIGHT
1/2"	1.12	1.12	0.41
3/4"	1.31	1.31	0.60
1"	1.50	1.50	0.85
1-1/4"	1.75	1.75	1.22
1-1/2"	1.94	1.94	1.55
2"	2.25	2.25	2.45

45° Elbows



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1"	1.12	1.12	0.46
1 1/4"	1.29	1.29	0.73
1 1/2"	1.43	1.43	0.92
2"	1.68	1.68	1.50

Street 90s

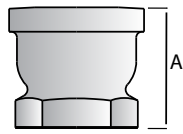


NOM SIZE	ITEM WEIGHT
1/2"	0.12
3/4"	0.22
1"	0.38
1-1/4"	0.58
1-1/2"	0.73
2"	1.13



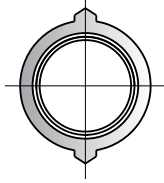
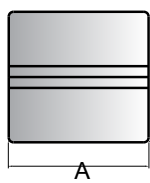
GALVANIZED DUCTILE IRON THREADED PIPE FITTINGS

Reducing Couplings



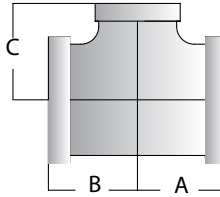
NOM SIZE	DIM. A	ITEM WEIGHT
1 X 1/2"	1.69	0.39
1 X 3/4"	1.69	0.53

Straight Couplings



NOM SIZE	DIMENSION A	ITEM WEIGHT
1/2"	1.12	0.20
3/4"	1.31	0.30
1"	1.50	0.48
1-1/4"	1.75	0.75
1-1/2"	1.94	1.00
2"	2.25	1.45

Reducing Tees

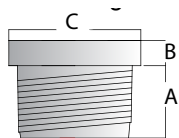


NOM SIZE	DIMENSION			ITEM WEIGHT
	A	B	C	
1" x 1" x 1/2"	1.26	1.26	1.36	0.64
1" x 1" x 3/4"	1.37	1.37	1.45	0.73
1" x 1/2" x 1"	1.50	1.36	1.50	0.71
1" x 3/4" x 1"	1.50	1.45	1.50	0.76
1" x 1" x 1 1/4"	1.67	1.67	1.58	0.98
1" x 1" x 1 1/2"	1.80	1.80	1.65	1.16
1 1/4" x 1" x 1/2"	1.34	1.26	1.53	0.82
1 1/4" x 1" x 3/4"	1.45	1.37	1.62	0.90
1 1/4" x 1" x 1"	1.58	1.50	1.67	1.00
1 1/4" x 1" x 1 1/4"	1.75	1.67	1.75	1.08
1 1/4" x 1" x 1 1/2"	1.88	1.88	1.82	1.42
1 1/4" x 1 1/4" x 1/2"	1.34	1.34	1.53	0.86
1 1/4" x 1 1/4" x 3/4"	1.45	1.45	1.62	0.92
1 1/4" x 1 1/4" x 1"	1.58	1.58	1.67	0.95
1 1/4" x 1 1/4" x 1"	1.88	1.88	1.82	1.45
1 1/4" x 1 1/4" x 2"	2.10	2.10	1.90	1.75
1 1/2" x 1" x 1/2"	1.41	1.34	1.66	0.95
1 1/2" x 1" x 3/4"	1.52	1.37	1.75	1.14
1 1/2" x 1" x 1"	1.65	1.50	1.80	1.17
1 1/2" x 1" x 1 1/4"	1.82	1.67	1.88	1.34
1 1/2" x 1" x 1 1/2"	1.94	1.80	1.94	1.45
1 1/2" x 1 1/4" x 1/2"	1.41	1.34	1.66	1.05
1 1/2" x 1 1/4" x 3/4"	1.52	1.45	1.75	1.15
1 1/2" x 1 1/4" x 1"	1.65	1.58	1.80	1.25
1 1/2" x 1 1/4" x 2"	2.16	2.10	2.02	1.90
1 1/2" x 1 1/2" x 1/2"	1.41	1.41	1.16	1.15
1 1/2" x 1 1/2" x 3/4"	1.52	1.52	1.75	1.24
1 1/2" x 1 1/2" x 1"	1.65	1.65	1.80	1.30
1 1/2" x 1 1/2" x 1"	1.82	1.82	1.88	1.48
1 1/2" x 1 1/2" x 2"	2.16	2.16	2.02	1.98
2" x 1" x 2"	2.25	2.02	2.25	2.15
2" x 1 1/4" x 2"	2.25	2.10	2.25	2.30
2" x 1 1/2" x 1/2"	1.49	1.41	1.88	1.50
2" x 1 1/2" x 3/4"	1.60	1.52	1.97	1.62
2" x 1 1/2" x 1"	1.73	1.65	2.02	1.64
2" x 1 1/2" x 1 1/4"	1.90	1.82	2.10	1.80
2" x 1 1/2" x 1 1/2"	2.02	1.94	2.16	2.00
2" x 1 1/2" x 2"	2.25	2.16	2.25	2.35
2" x 2" x 1/2"	1.49	1.49	1.88	1.60
2" x 2" x 3/4"	1.60	1.60	1.97	1.68
2" x 2" x 1"	1.73	1.73	2.02	1.85
2" x 2" x 1 1/4"	1.90	1.90	2.10	2.04
2" x 2" x 1 1/2"	2.02	2.02	2.16	2.18
2" x 2" x 2 1/2"	2.60	2.60	2.39	3.61
2 1/2" x 2" x 3/4"	1.74	1.60	2.32	2.28

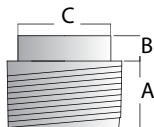


GALVANIZED DUCTILE IRON THREADED PIPE FITTINGS

Bushings



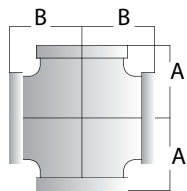
OUTSIDE HEAD



INSIDE HEAD

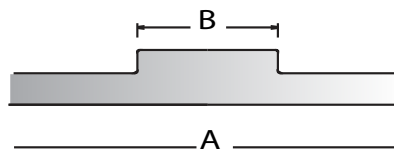


NOM SIZE	DIMENSION			STYLE	ITEM WT.
	A	B	C		
1 X 1/2"	0.75	0.25	1.42	OUT	0.22
1 X 3/4"	0.75	0.25	1.42	OUT	0.17
1 1/4" X 1"	0.80	0.28	1.76	OUT	1.28
1 1/2" X 1"	0.83	0.31	2.00	OUT	0.44
1 1/2" X 1 1/4"	0.83	0.31	2.00	OUT	0.30
2" X 1"	0.88	0.41	1.95	IN	0.66
2" X 1 1/4"	0.88	0.34	2.48	OUT	0.72
2" X 1 1/2"	0.88	0.34	2.48	OUT	0.61



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1"	1.50	1.50	0.98
1 1/4"	1.75	1.75	1.50
1 1/2"	1.94	1.94	1.90
2"	2.25	2.25	2.95
1 1/4" X 1"	1.58	1.67	1.27
1 1/2" X 1"	1.65	1.80	1.45
2" X 1"	1.73	2.02	2.10

Floor Flanges



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1/2"	3.50	2.50	0.56
3/4"	3.50	2.50	0.60
1"	4.00	3.0	0.84
1 1/4"	4.00	3.00	0.90
1 1/2"	4.50	3.50	1.20
2"	5.50	4.25	2.03

Caps



NOM SIZE	DIM. A	ITEM WEIGHT
	A	
1"	1.16	0.32
1 1/4"	1.28	0.43
1 1/2"	1.33	0.60
2"	1.45	0.91



CAST IRON THREADED PIPE FITTINGS

ARGCO's line of Cast Iron Threaded Fittings conform to, comply with the following standards:

ASTM A 128- Class B Standard Spec for Cupola Cast Iron

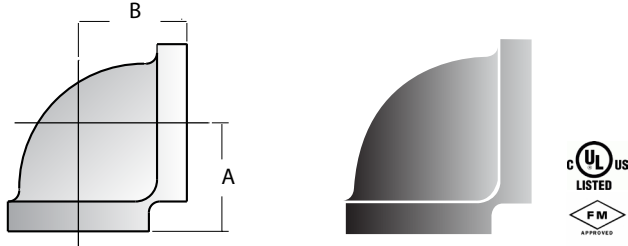
ANSI B 16.4- Cast Iron Threaded Fitting Classes 125

ANSI/ASME B1.20.1- Pipe Threads, General Purpose (Inch) NPT

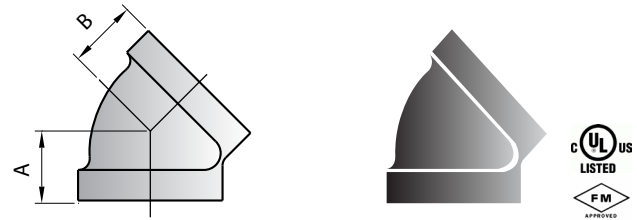
UL approved, FM approved for 300 psi service



Straight 90° Elbows



45° Elbows



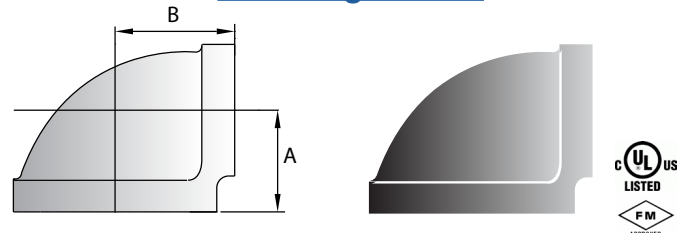
NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1"	1.12	1.12	0.46
1 1/4"	1.29	1.29	0.73
1 1/2"	1.43	1.43	0.92
2"	1.68	1.68	1.50

Straight Tees



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1"	1.50	1.50	0.85
1 1/4"	1.75	1.75	1.22
1 1/2"	1.94	1.94	1.55
2"	2.25	2.25	2.45
2 1/2"	2.70	2.70	6.39

Reducing Elbows



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1 X 1/2"	1.26	1.36	0.44
1 X 3/4"	1.37	1.45	0.52
1 1/4 X 1/2"	1.34	1.53	0.64
1 1/4 X 3/4"	1.45	1.62	0.72
1 1/4" X 1"	1.58	1.67	0.75
1 1/2" X 1/2"	1.60	1.70	1.17
1 1/2" X 3/4"	1.61	1.72	1.30
1 1/2" X 1"	1.65	1.80	0.92
1 1/2" X 1 1/4"	1.82	1.88	1.08
2" X 1/2"	1.49	1.88	1.08
2" X 3/4"	1.60	1.97	1.24
2" X 1"	1.73	2.02	1.40
2" X 1 1/4"	1.90	2.10	1.52
2" X 1 1/2"	2.02	2.16	1.65

Reducing Couplings



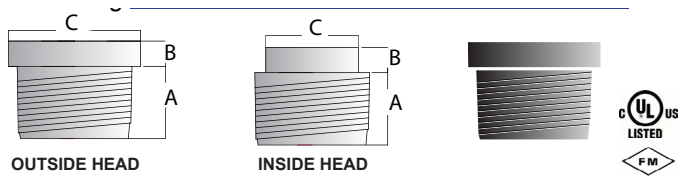
NOM SIZE	DIM. A	ITEM WEIGHT
1 X 1/2"	1.69	0.62
1 X 3/4"	1.69	0.69



CAST IRON THREADED PIPE FITTINGS



BUSHINGS



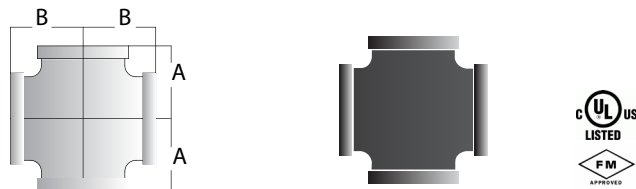
NOM SIZE	DIMENSION			STYLE	ITEM WT.
	A	B	C		
1 X 1/2"	0.75	0.25	1.42	OUT	0.22
1 X 3/4"	0.75	0.25	1.42	OUT	0.17
1 1/4" X 1"	0.80	0.28	1.76	OUT	1.28
1 1/2" X 1"	0.83	0.31	2.00	OUT	0.44
1 1/2" X 1 1/4"	0.83	0.31	2.00	OUT	0.30
2" X 1"	0.88	0.41	1.95	IN	0.66
2" X 1 1/4"	0.88	0.34	2.48	OUT	0.72
2" X 1 1/2"	0.88	0.34	2.48	OUT	0.61

Reducing Tees



NOM SIZE	DIMENSION			ITEM WEIGHT
	A	B	C	
1" x 1" x 1/2"	1.26	1.26	1.36	0.64
1" x 1" x 3/4"	1.37	1.37	1.45	0.73
1" x 1/2" x 1"	1.50	1.36	1.50	0.71
1" x 3/4" x 1"	1.50	1.45	1.50	0.76
1" x 1" x 1 1/4"	1.67	1.67	1.58	0.98
1" x 1" x 1 1/2"	1.80	1.80	1.65	1.16
1 1/4" x 1" x 1/2"	1.34	1.26	1.53	0.82
1 1/4" x 1" x 3/4"	1.45	1.37	1.62	0.90
1 1/4" x 1" x 1"	1.58	1.50	1.67	1.00
1 1/4" x 1" x 1 1/4"	1.75	1.67	1.75	1.08
1 1/4" x 1" x 1 1/2"	1.88	1.88	1.82	1.42
1 1/4" x 1 1/4" x 1/2"	1.34	1.34	1.53	0.86
1 1/4" x 1 1/4" x 3/4"	1.45	1.45	1.62	0.92
1 1/4" x 1 1/4" x 1"	1.58	1.58	1.67	0.95
1 1/4" x 1 1/4" x 1"	1.88	1.88	1.82	1.45
1 1/4" x 1 1/4" x 2"	2.10	2.10	1.90	1.75
1 1/2" x 1" x 1/2"	1.41	1.34	1.66	0.95
1 1/2" x 1" x 3/4"	1.52	1.37	1.75	1.14
1 1/2" x 1" x 1"	1.65	1.50	1.80	1.17
1 1/2" x 1" x 1 1/4"	1.82	1.67	1.88	1.34
1 1/2" x 1" x 1 1/2"	1.94	1.80	1.94	1.45
1 1/2" x 1 1/4" x 1/2"	1.41	1.34	1.66	1.05
1 1/2" x 1 1/4" x 3/4"	1.52	1.45	1.75	1.15
1 1/2" x 1 1/4" x 1"	1.65	1.58	1.80	1.25
1 1/2" x 1 1/4" x 2"	2.16	2.10	2.02	1.90
1 1/2" x 1 1/2" x 1/2"	1.41	1.41	1.16	1.15
1 1/2" x 1 1/2" x 3/4"	1.52	1.52	1.75	1.24
1 1/2" x 1 1/2" x 1"	1.65	1.65	1.80	1.30
1 1/2" x 1 1/2" x 1"	1.82	1.82	1.88	1.48
1 1/2" x 1 1/2" x 2"	2.16	2.16	2.02	1.98
2" x 1" x 2"	2.25	2.02	2.25	2.15
2" x 1 1/4" x 2"	2.25	2.10	2.25	2.30
2" x 1 1/2" x 1/2"	1.49	1.41	1.88	1.50
2" x 1 1/2" x 3/4"	1.60	1.52	1.97	1.62
2" x 1 1/2" x 1"	1.73	1.65	2.02	1.64
2" x 1 1/2" x 1 1/4"	1.90	1.82	2.10	1.80
2" x 1 1/2" x 1 1/2"	2.02	1.94	2.16	2.00
2" x 1 1/2" x 2"	2.25	2.16	2.25	2.35
2" x 2" x 1/2"	1.49	1.49	1.88	1.60
2" x 2" x 3/4"	1.60	1.60	1.97	1.68
2" x 2" x 1"	1.73	1.73	2.02	1.85
2" x 2" x 1 1/4"	1.90	1.90	2.10	2.04
2" x 2" x 1 1/2"	2.02	2.02	2.16	2.18
2" x 2" x 2 1/2"	2.60	2.60	2.39	3.61
2 1/2" x 2" x 3/4"	1.74	1.60	2.32	2.28

CROSSES



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1"	1.50	1.50	0.98
1 1/4"	1.75	1.75	1.50
1 1/2"	1.94	1.94	1.90
2"	2.25	2.25	2.95
1 1/4" X 1"	1.58	1.67	1.27
1 1/2" X 1"	1.65	1.80	1.45
2" X 1"	1.73	2.02	2.10

CAPS

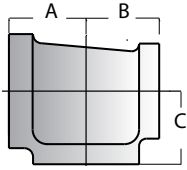


NOM SIZE	DIM. A	ITEM WEIGHT
	A	
1"	1.16	0.32
1 1/4"	1.28	0.43
1 1/2"	1.33	0.60
2"	1.45	0.91



CAST IRON THREADED PIPE FITTINGS

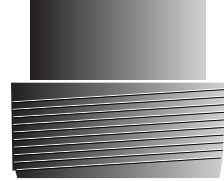
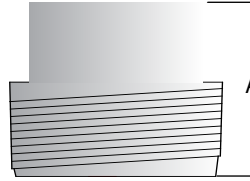
Reducing Tees



NOM SIZE	DIMENSION			ITEM WEIGHT
	A	B	C	
1" x 1" x 1/2"	1.26	1.26	1.36	0.95
1" x 1" x 3/4"	1.37	1.37	1.45	1.10
1" x 1/2" x 1"	1.50	1.36	1.50	1.08
1" x 3/4" x 1"	1.50	1.45	1.50	1.18
1" x 1" x 1 1/4"	1.67	1.67	1.58	1.52
1" x 1" x 1 1/2"	1.80	1.80	1.65	1.73
1 1/4" x 1" x 1/2"	1.34	1.26	1.53	1.17
1 1/4" x 1" x 3/4"	1.45	1.37	1.62	1.38
1 1/4" x 1" x 1"	1.58	1.50	1.57	1.47
1 1/4" x 1" x 1 1/4"	1.75	1.67	1.75	1.80
1 1/4" x 1" x 1 1/2"	1.88	1.80	1.82	2.05
1 1/4" x 1 1/4" x 1/2"	1.34	1.34	1.53	1.37
1 1/4" x 1 1/4" x 3/4"	1.45	1.45	1.62	1.54
1 1/4" x 1 1/4" x 1"	1.58	1.58	1.67	1.65
1 1/4" x 1 1/4" x 1 1/2"	1.88	1.88	1.82	2.21
1 1/4" x 1 1/4" x 2"	2.10	2.10	1.90	2.55
1 1/2" x 1" x 1/2"	1.41	1.34	1.66	1.41
1 1/2" x 1" x 3/4"	1.52	1.37	1.75	1.65
1 1/2" x 1" x 1"	1.65	1.50	1.80	1.65
1 1/2" x 1" x 1 1/4"	1.82	1.67	1.88	2.00
1 1/2" x 1" x 1 1/2"	1.94	1.80	1.94	2.30
1 1/2" x 1 1/4" x 1/2"	1.41	1.34	1.66	1.58
1 1/2" x 1 1/4" x 3/4"	1.52	1.45	1.75	1.72
1 1/2" x 1 1/4" x 1"	1.65	1.58	1.80	1.85
1 1/2" x 1 1/4" x 1 1/4"	1.82	1.75	1.88	2.22
1 1/2" x 1 1/4" x 1 1/2"	1.94	1.88	1.94	2.45
1 1/2" x 1 1/4" x 2"	2.16	2.10	2.02	2.80
1 1/2" x 1 1/2" x 1/2"	1.41	1.41	1.66	1.76
1 1/2" x 1 1/2" x 3/4"	1.52	1.52	1.75	1.87
1 1/2" x 1 1/2" x 1"	1.65	1.65	1.80	1.94
1 1/2" x 1 1/2" x 1 1/4"	1.82	1.82	1.88	2.29
1 1/2" x 1 1/2" x 2"	2.16	2.16	2.02	3.28
2" x 1" x 2"	2.25	2.02	2.25	3.40
2" x 1 1/4" x 2"	2.25	2.10	2.25	2.80
2" x 1 1/2" x 1/2"	1.49	1.41	1.88	2.09
2" x 1 1/2" x 3/4"	1.60	1.52	1.97	2.40
2" x 1 1/2" x 1"	1.73	1.65	2.02	2.54
2" x 1 1/2" x 1 1/4"	1.90	1.82	2.10	2.85
2" x 1 1/2" x 1 1/2"	1.49	1.41	1.88	2.24
2" x 1 1/2" x 2"	2.25	2.16	2.25	3.75
2" x 2" x 1/2"	1.49	1.49	1.88	2.60
2" x 2" x 3/4"	1.60	1.60	1.97	2.71
2" x 2" x 1"	1.73	1.73	2.02	2.97
2" x 2" x 1 1/4"	1.90	1.90	2.10	3.32
2" x 2" x 1 1/2"	2.02	2.02	2.16	3.72
2" x 2" x 2 1/2"	2.60	2.60	2.39	5.10

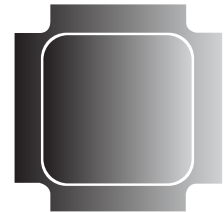
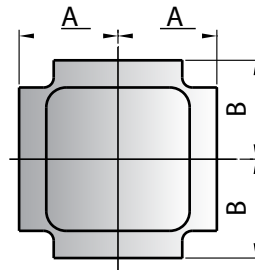


Plugs



NOM SIZE	DIM. A	ITEM WEIGHT
1/2"	0.94	0.10
3/4"	1.07	0.17
1"	1.25	0.28
1 1/4"	1.36	0.44
1 1/2"	1.45	0.62
2"	1.56	0.91

Crosses



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1"	1.50	1.50	1.54
1 1/4"	1.75	1.75	2.40
1 1/2"	1.94	1.94	3.10
2"	2.25	2.25	4.00
1 1/4" X 1"	1.58	1.67	2.05
1 1/2" X 1"	1.65	1.80	2.40
2" X 1"	1.73	2.02	2.75



MALLEABLE IRON THREADED PIPE FITTINGS

ARGCO's line of Malleable Iron Threaded Fittings conform to, comply with the following standards:

ASTM A 197- Standard Spec for Cupola Malleable Iron

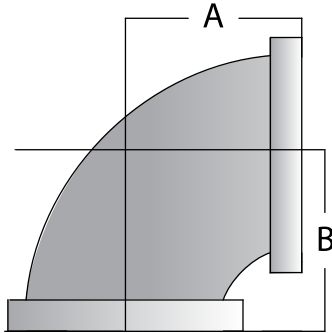
ASTM A53- Standard Spec for Zinc Coating (Hot Dip) Cupola Malleable Iron

ANSI B 16.3- Malleable Iron Threaded Fitting Classes 150

ANSI/ASME B1.20.1- Pipe Threads, General Purpose (Inch) NPT



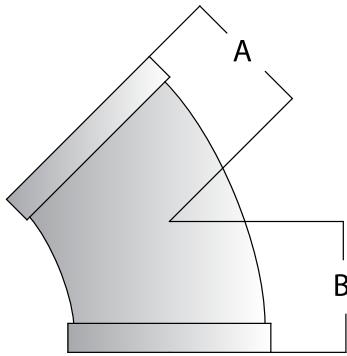
Straight 90° Elbows



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
3/8"	0.95	0.95	0.17
1/2"	1.12	1.12	0.30
3/4"	1.31	1.31	0.45
1"	1.50	1.50	0.73
1 1/4"	1.75	1.75	0.97
1 1/2"	1.94	1.94	1.30
2"	2.25	2.25	2.06
2 1/2"	2.70	2.70	3.55
3"	3.08	3.08	5.46
4"	3.79	3.79	8.95

[Click Here for
Galvanized 90s](#)

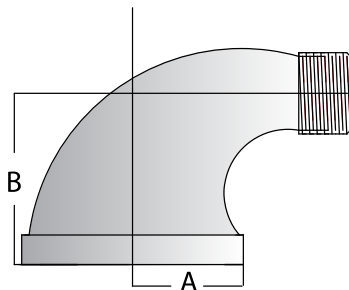
45° Elbows



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
3/8"	0.80	0.80	0.16
1/2"	0.88	0.88	0.22
3/4"	0.98	0.98	0.37
1"	1.12	1.12	0.54
1 1/4"	1.29	1.29	0.86
1 1/2"	1.43	1.43	1.13
2"	1.68	1.68	1.79
2 1/2"	1.95	1.95	2.78
3"	2.17	2.17	4.48
4"	2.61	2.61	7.40

[Click Here for
Galvanized 45s](#)

Street 90s



NOM SIZE	ITEM WEIGHT
1/2"	0.12
3/4"	0.22
1"	0.38
1 1/4"	0.58
1 1/2"	0.73
2"	1.13

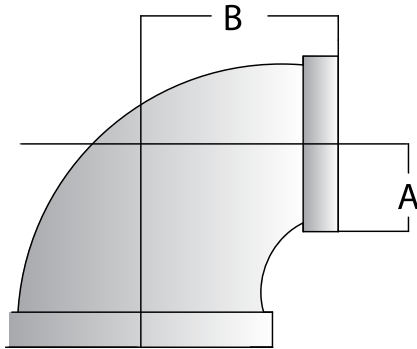
[Click Here for
Galvanized Street 90s](#)



MALLEABLE IRON THREADED PIPE FITTINGS



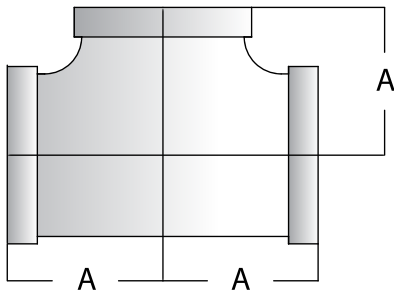
Straight Reducing 90s



NOM SIZE	DIMENSION		ITEM WEIGHT
	A	B	
1/2" X 3/8"	1.00	1.06	0.22
3/4" X 1/2"	1.19	1.25	0.38
1" X 1/2"	1.25	1.38	0.46
1" X 3/4"	1.38	1.44	0.56
1 1/4" X 1/2"	1.38	1.56	0.61
1 1/4" X 3/4"	1.44	1.63	0.71
1 1/4" X 1"	1.44	1.66	1.15
1 1/2" X 1/2"	1.41	1.66	1.15
1 1/2" X 3/4"	1.50	1.75	1.08
1 1/2" X 1"	1.63	1.81	1.02
1 1/2" X 1 1/4"	1.81	1.88	1.17
2" X 1/2"	1.49	1.88	1.30
2" X 3/4"	1.63	2.00	1.30
2" X 1"	1.75	2.00	1.35
2" X 1 1/4"	1.88	2.13	1.53
2" X 1 1/2"	2.00	2.13	1.75

[Click Here for Galvanized Reducing 90s](#)

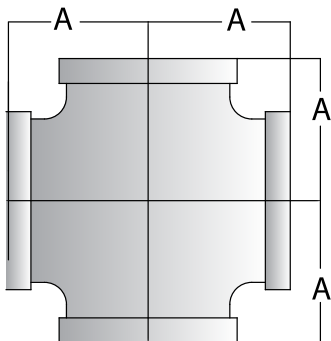
Tees



NOM SIZE	DIM. A	ITEM WEIGHT
1/4"	0.81	0.15
3/8"	0.94	0.23
1/2"	1.13	0.41
3/4"	1.31	0.60
1"	1.50	0.90
1 1/4"	1.75	1.31
1 1/2"	1.94	1.73
2"	2.25	2.52
2 1/2"	2.69	4.90
3"	3.06	7.13
4"	3.81	11.32

[Click Here for Galvanized Tees](#)

Crosses



NOM SIZE	DIM. A	ITEM WEIGHT
1/2"	1.12	0.42
3/4"	1.13	0.69
1"	1.50	1.12
1 1/4"	1.75	1.44
1 1/2"	1.94	1.98
2"	2.25	3.30
2 1/2"	2.70	5.90
3"	3.08	13.50

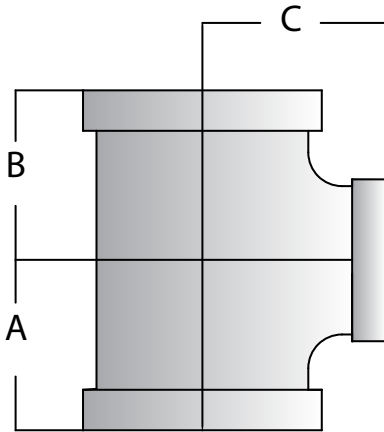
[Click Here for Galvanized Crosses](#)



MALLEABLE IRON THREADED PIPE FITTINGS



Reducing Tee



NOM	DIMEN-			ITEM WEIGHT
	A	B	C	
1/2" X 1/2" X 3/8"	1.06	1.06	1.06	0.30
3/4" X 1/2" X 1/2"	1.08	1.08	1.09	0.38
3/4" X 1/2" X 3/4"	1.11	1.11	1.13	0.46
3/4" X 3/4" X 1/2"	1.19	1.19	1.25	0.47
1" X 1/2" X 1/2"	1.21	1.21	1.30	0.58
1" X 3/4" X 1/2"	1.22	1.22	1.32	0.59
1" X 3/4" X 3/4"	1.23	1.23	1.33	1.59
1" X 1" X 1/2"	1.25	1.25	1.38	0.70
1" X 1" X 3/4"	1.38	1.38	1.44	0.82
1 1/4" X 1" X 1"	1.56	1.56	1.69	1.10
1 1/4" X 1 1/4" X 1/2"	1.38	1.38	1.56	0.98
1 1/4" X 1 1/4" X 3/4"	1.40	1.40	1.60	0.94
1 1/4" X 1 1/4" X 1"	1.56	1.56	1.69	1.20
1 1/2" X 1 1/4" X 1"	1.63	1.63	1.81	1.30
1 1/2" X 1 1/2" X 1/2"	1.44	1.44	1.69	1.19
1 1/2" X 1 1/2" X 3/4"	1.50	1.50	1.75	1.30
1 1/2" X 1 1/2" X 1"	1.63	1.63	1.81	1.45
1 1/2" X 1 1/2" X 1 1/4"	1.81	1.81	1.88	1.52
2" X 2" X 1/2"	1.50	1.50	1.88	1.65
2" X 2" X 3/4"	1.63	1.63	2.00	1.87
2" X 2" X 1"	1.75	1.75	2.00	1.76
2" X 2" X 1 1/4"	1.88	1.88	2.13	2.35
2" X 2" X 1 1/2"	2.00	2.00	2.19	2.55
2 1/2" X 2 1/2" X 1"	1.88	1.88	2.38	2.85
2 1/2" X 2 1/2" X 1 1/4"	2.06	2.06	2.44	3.36
2 1/2" X 2 1/2" X 1 1/2"	2.19	2.19	2.50	3.46
2 1/2" X 2 1/2" X 2"	2.38	2.38	2.62	3.65
3" X 3" X 1/2"	1.76	1.76	2.52	4.03
3" X 3" X 3/4"	1.88	1.88	1.63	4.03
3" X 3" X 1"	2.00	2.00	2.62	4.13
3" X 3" X 1 1/4"	2.19	2.19	2.75	4.50
3" X 3" X 1 1/2"	2.31	2.31	2.81	5.18
3" X 3" X 2"	2.50	2.50	2.88	5.70
3" X 3" X 1 1/2"	2.57	2.57	2.89	5.00
4" X 4" X 1 1/4"	2.39	2.39	3.26	7.47
4" X 4" X 1 1/2"	2.51	2.51	3.32	7.47
4" X 4" X 2"	2.75	2.75	3.44	8.39
4" X 4" X 2 1/2"	2.75	2.75	3.44	7.70
4" X 4" X 3"	3.31	3.31	3.63	8.93

[Click Here for Galvanized Reducing Tees](#)

Caps



NOM SIZE	ITEM WEIGHT
1/2"	0.14
3/4"	0.21
1"	0.37
1 1/4"	0.58
1 1/2"	0.74
2"	0.94
2 1/2"	1.60
3"	2.79
4"	3.66

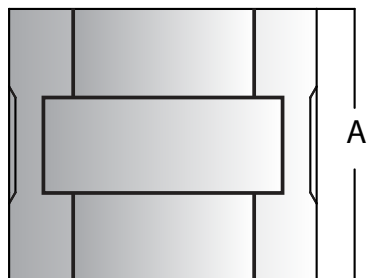
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MALLEABLE IRON THREADED PIPE FITTINGS



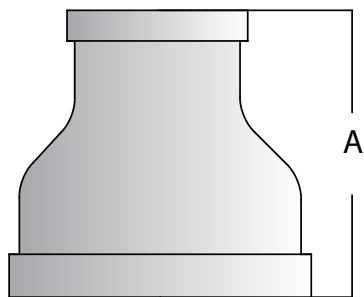
Straight Coupling



NOM SIZE	DIM. A	ITEM WEIGHT
3/8"	1.18	0.13
1/2"	1.31	0.20
3/4"	1.50	0.30
1"	1.69	0.48
1 1/4"	1.93	0.75
1 1/2"	2.13	1.00
2"	2.50	1.45
2 1/2"	2.88	2.40
3"	3.19	3.30
4"	3.69	5.72

[Click Here for Galvanized Straight Couplings](#)

Reducing Coupling



NOM SIZE	DIM. A	ITEM WEIGHT
1/2" X 3/8"	0.17	0.17
3/4" X 1/2"	0.27	0.27
1" X 1/2"	0.39	0.39
1" X 3/4"	0.43	0.43
1 1/4" X 1/2"	0.61	0.61
1 1/4" X 3/4"	0.64	0.64
1 1/4" X 1"	0.68	0.68
1 1/2" X 1/2"	0.78	0.78
1 1/2" X 3/4"	0.88	0.88
1 1/2" X 1"	0.88	0.88
1 1/2" X 1 1/4"	0.90	0.90
2" X 1/2"	1.15	1.15
2" X 3/4"	1.34	1.34
2" X 1"	1.40	1.40
2" X 1 1/4"	1.53	1.53
2" X 1 1/2"	1.55	1.55
2 1/2" X 1 1/4"	2.09	2.09
2 1/2" X 1 1/2"	2.09	2.09
2 1/2" X 2"	2.51	2.51
3" X 1 1/4"	2.99	2.99
3" X 1 1/2"	3.30	3.30
3" X 2"	3.25	3.25
3" X 2 1/2"	3.29	3.29
4" X 1 1/2"	4.90	4.90
4" X 2"	5.10	5.10
4" X 2 1/2"	6.55	6.55
4" X 3"	4.04	4.04

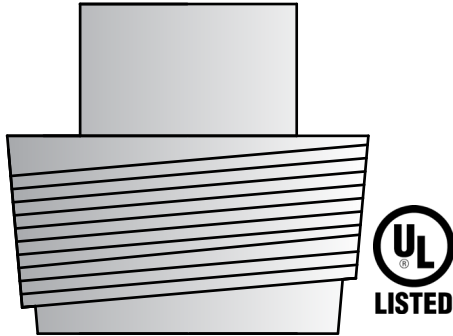
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MALLEABLE IRON THREADED PIPE FITTINGS



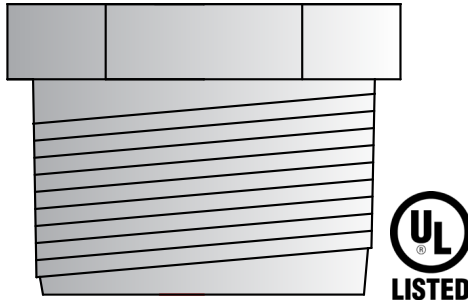
Plugs



NOM SIZE	ITEM WEIGHT
3/8"	0.06
1/2"	0.10
3/4"	0.17
1"	0.28
1 1/4"	0.44
1 1/2"	0.62
2"	0.91
2 1/2"	1.05
3"	1.70
4"	3.00

[Click Here for Galvanized Plugs](#)

Bushings



NOM SIZE	ITEM WEIGHT
1/2" X 1/4"	0.06
1/2" X 3/8"	0.05
3/4" X 1/2"	0.11
1" X 1/2"	0.21
1" X 3/4"	0.17
1 1/4" X 1/2"	0.34
1 1/4" X 3/4"	0.31
1 1/4" X 1"	0.26
1 1/2" X 1/2"	0.48
1 1/2" X 3/4"	0.48
1 1/2" X 1"	0.43
1 1/2" X 1 1/4"	0.30
2" X 1/2"	0.65
2" X 3/4"	0.83
2" X 1"	0.78
2" X 1 1/4"	0.73
2" X 1 1/2"	0.60
2 1/2" X 1 1/4"	1.30
2 1/2" X 1 1/2"	1.20
2 1/2" X 2"	0.90
3" X 1 1/4"	2.50
3" X 1 1/2"	2.30
3" X 2"	2.00
3" X 2 1/2"	1.60
4" X 1 1/4"	3.20
4" X 1 1/2"	3.30
4" X 2"	3.10
4" X 2 1/2"	3.80
4" X 3"	3.00

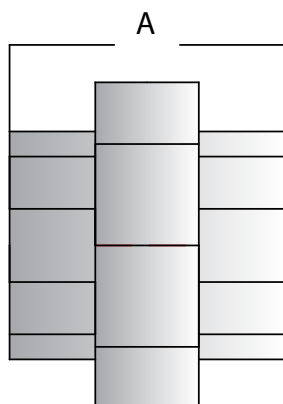
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MALLEABLE IRON THREADED PIPE FITTINGS



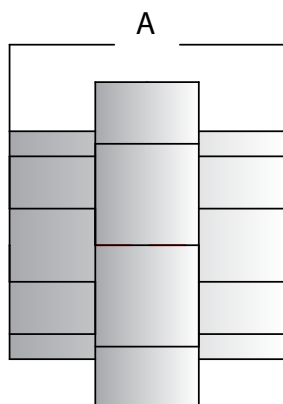
Unions



NOM SIZE	DIM. A	ITEM WEIGHT
1/4"	1.81	0.45
3/8"	1.81	0.42
1/2"	1.94	0.44
3/4"	2.06	0.60
1"	2.44	0.91
1 1/4"	2.63	1.45
1 1/2"	2.75	1.69
2"	2.94	2.46
3"	3.63	4.95
4"	3.75	8.75

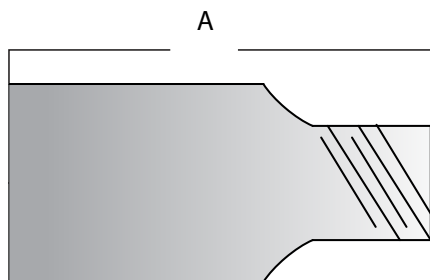
[Click Here for Galvanized Unions](#)

Unions with Brass Seat



NOM SIZE	DIM. A	ITEM WEIGHT
1/4"	1.81	0.45
3/8"	1.81	0.42
1/2"	1.94	0.44
3/4"	2.06	0.60
1"	2.44	0.91
1 1/4"	2.63	1.45
1 1/2"	2.75	1.69
2"	2.94	2.46
3"	3.63	4.95
4"	3.75	8.75

Extensions



NOM SIZE	DIM. A	ITEM WEIGHT
1/2"	1.95	7.32

WELDED OUTLETS

Type 40 Standard Weight Cut Groove Outlet Carbon Steel Branch Outlet for Fire Protection and other low pressure piping systems



UL, ULC, FM working pressure up to 500 psi.

GROOVED



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TECHNICAL DATA](#)

THREADED



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TECHNICAL DATA](#)

THREADED PIPE NIPPLES

Black Steel Schedule 40
ANSI/ASME B1.20.1 Galvanized to spec.
WOG 150 PSI 150 At 150° F
Saturated Steam Pressure 300.

BLACK STEEL



GALVANIZED STEEL



THREAD X GROOVE NIPPLES

BLACK STEEL



GALVANIZED STEEL



PIPE FLANGE GASKETS

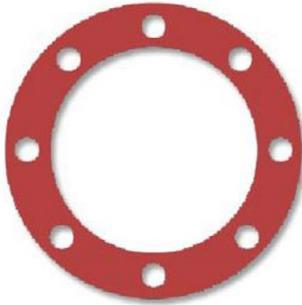
RED RUBBER RING GASKETS



Specifications:
Color: Red-Brown
Finish: Smooth
Tensile: 400 psi
ASTM D1330 - Grade 11, Also D2000 M2AA703-A13 B13-EA14

[CLICK HERE FOR TECHNICAL DATA](#)

RED RUBBER FULL FACE GASKETS



Specifications:
Color: Red-Brown
Finish: Smooth
Tensile: 400 psi
ASTM D1330 - Grade 11, Also D2000 M2AA703-A13 B13-EA14

[CLICK HERE FOR TECHNICAL DATA](#)

NON-ASBESTOS RING GASKETS



Properties:	
Fiber System	Aramid/Inorganic
Binder	NBR
Min Temp	-40° F
Max Temp	750° F
Max Pressure	1300 PSI

[CLICK HERE FOR TECHNICAL DATA](#)

NON-ASBESTOS FULL FACE GASKETS



Properties:	
Fiber System	Aramid/Inorganic
Binder	NBR
Min Temp	-40° F
Max Temp	750° F
Max Pressure	1300 PSI

[CLICK HERE FOR TECHNICAL DATA](#)



PIPE FLANGE GASKET & BOLT SETS

RED RUBBER RING GASKET BOLT PACKS



Specifications:

Color: Red-Brown

Finish: Smooth

Tensile: 400 psi

ASTM D1330 - Grade 11, Also D2000 M2AA703-A13 B13-EA14

[CLICK HERE FOR TECHNICAL DATA](#)

RED RUBBER FULL FACE GASKET BOLT PACKS



Specifications:

Color: Red-Brown

Finish: Smooth

Tensile: 400 psi

ASTM D1330 - Grade 11, Also D2000 M2AA703-A13 B13-EA14

[CLICK HERE FOR TECHNICAL DATA](#)

NON-ASBESTOS RING GASKET BOLT PACKS



Properties:

Fiber System

Aramid/Inorganic

Binder

NBR

Min Temp

-40° F

Max Temp

750° F

Max Pressure

1300 PSI

[CLICK HERE FOR TECHNICAL DATA](#)

NON-ASBESTOS FULL FACE GASKET BOLT PACKS



Properties:

Fiber System

Aramid/Inorganic

Binder

NBR

Min Temp

-40° F

Max Temp

750° F

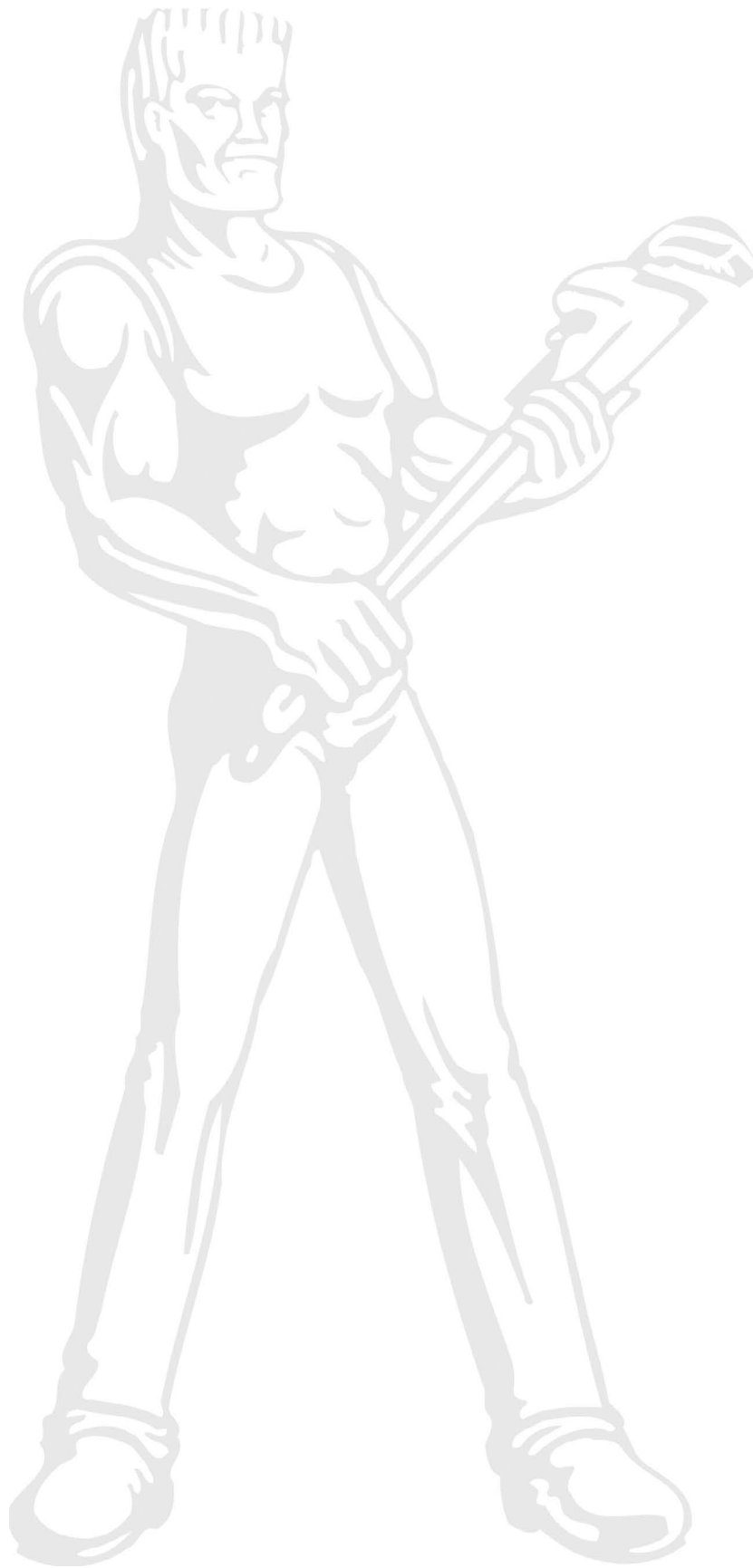
Max Pressure

1300 PSI

[CLICK HERE FOR TECHNICAL DATA](#)



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