



# StainlessPress®

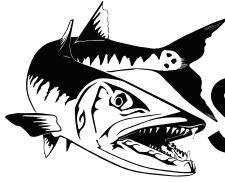
IsoTubi-USA, By Merit Brass Co.



## Dimensional Catalog

**Innovative Solutions** Driven to Provide Value to Your System

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# StainlessPress®

IsoTubi-USA, By Merit Brass Co.



Merit prides itself on our vendor assessment program as we are committed to providing you and your customers with the highest quality products - our stainless steel press fittings are no exception. Similar to Merit in our commitment to continuous improvement through our registered Quality Management System (ISO 9001:2015), the production and quality control processes of our press fittings are certified by TÜV according to the ISO 9001 norm.

StainlessPress, IsoTubi-USA fittings provide a complete line of mechanically joined press fittings in sizes 1/2" - 2". These fittings are designed to work with schedule 5 or 10 stainless steel IPS pipe. Press joints can be readily achieved using several commercially available pressing tools.

Several press fittings are available with male or female threaded ends to enable connectivity with threaded piping systems. Conversion to flanged systems can be made with flange adapters. Where breaks in pipe work may be needed, the union coupling can be used for quick and easy connections/disconnections. Weld and grooved adapters are available to transition to welded or grooved piping systems.

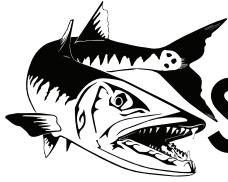
StainlessPress, IsoTubi-USA fittings use a three-step installation process: cutting and deburring the pipe; marking and inserting pipe into the fitting; and pressing the fitting and pipe together to form a pipe joint using one of the pressing tools identified in the installation instructions.

StainlessPress, IsoTubi-USA fittings make it easy to quickly and safely install piping systems in a wide range of mechanical, industrial, and marine applications. These fittings are made from a highly corrosion resistant 316 stainless steel and are available with a variety of sealing elements, making them suitable for use in numerous applications such as HVAC, plumbing, municipal, and industrial installations.

StainlessPress, IsoTubi-USA fittings incorporate a unique sealing element that provides an important Leak-Before-Press feature. When the fitting and pipe are pressed together, they deform to create a durable permanent pipe joint, while the sealing element compresses to make the joint leakproof. An improperly pressed fitting allows a leak path for liquids and gases, thereby enabling an installer to identify the incorrectly installed fitting easily. The Leak-Before-Press feature significantly reduces the chance of improper joints, helping to ensure a leak free system.

Main advantages of StainlessPress, IsoTubi-USA fittings include the following:

- Quick and safe installations
- Excellent corrosion resistance
- Reduced labor requirements
- Easy handling and light weight
- Dependability, even under severe use conditions
- No flame/fire permit required



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IsoTubi-USA, By Merit Brass Co.

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## StainlessPress Fittings North American Certifications

IsoTubi-USA, By Merit Brass Co.

**Certificate**

Standard: ISO 9001:2015  
Certificate Register No: 01 100 87097

Certificate Holder: **ISOTUBI, S.L.**  
Mecanica, 6 - P. I. Santa Rita  
08755 Castellbisbal  
Spain  
(including the locations according to annex)

Scope: Design, manufacture and sale of stainless steel tubes and fittings and the Numepress system.

Validity: The certificate is valid from 2018-05-30 until 2021-02-28.  
2018-06-07  


[www.tuv.com](http://www.tuv.com)   

**Annex to certificate**

Standard: ISO 9001:2015  
Certificate Register No: 01 100 87097

01 100 87097/01 ISOTUBI, S.L.  
Mecanica, 6 - P. I. Santa Rita  
E-08755 Castellbisbal  
Design, manufacture and  
sale of stainless steel tubes  
and fittings and the  
Numepress system.

01 100 87097/02 ISOTUBI, S.L.  
Comunicació, 7 - P. I. Agrícola  
E-08755 Castellbisbal  
Design, manufacture and  
sale of stainless steel tubes  
and fittings and the  
Numepress system.

01 100 87097/03 ISOTUBI, S.L.  
Costa i Des. 91  
E-08022 Sabadell  
Design, manufacture and  
sale of stainless steel tubes  
and fittings and the  
Numepress system.

2018-06-07  


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TÜV Rheinland AG  
Am Grauen Stein, 5110 Köln

1/12/22, 11:30 AM IAPMO R&T Product Listing Directory

**IAPMO RESEARCH AND TESTING, INC.**  
5001 E. Philadelphia Street, Ontario, CA 91761 • Phone (909) 472-4100 • Fax (909) 472-4244 • [www.iapmort.org](http://www.iapmort.org)

**IAPMO R&T Product Listing**

This IAPMO R&T Listing is current as of January 12, 2022

File Number: 12371  
Issued To: **ISOTUBI**  
POLIGONO INDUSTRIAL SANTA RITA CALLE MECANICA #6 BARCELONA, CASTELLBISBAL, SPAIN  
Product: Press Connections  
Products are in compliance with the following code(s):  
Uniform Plumbing Code (UPC®)  
National Plumbing Code of Canada  
Products are in compliance with the following standard(s):  
IAPMO PS 117-2019

<https://plm.iapmo.org/plm/certificate/12371/2785>

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**IAPMO R&T Product Listing**

This IAPMO R&T Listing is current as of January 12, 2022

File Number: 12372  
Issued To: **ISOTUBI**  
POLIGONO INDUSTRIAL SANTA RITA CALLE MECANICA #6 BARCELONA, CASTELLBISBAL, SPAIN  
Product: Ball Valves  
Products are in compliance with the following code(s):  
Uniform Plumbing Code (UPC®)  
National Plumbing Code of Canada  
Products are in compliance with the following standard(s):  
IAPMO/ANSI Z1157-2014e1 (R2019)

<https://plm.iapmo.org/plm/certificate/12372/1457>

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**IAPMO R&T Product Listing**

NSF/ANSI/CAN 61  
This IAPMO R&T Listing is current as of January 12, 2022

File Number: N-12531  
Issued To: **ISOTUBI**  
POLIGONO INDUSTRIAL SANTA RITA CALLE MECANICA #6 BARCELONA, CASTELLBISBAL, SPAIN  
Product: Drinking Water System Components - Health Effects  
Products are in compliance with the following standard(s):  
NSF/ANSI/CAN 61-2019

<https://plm.iapmo.org/plm/certificate/N-12531/693>

**Certificate of Compliance**

This certificate is issued for the following:

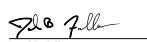
**Stainless Steel Tube and Compression Fittings for Aboveground Fire Protection System**  
NUMEPRESS Stainless Steel Tube  
Sizes 28, 35, 42, 54, 76, 88.9 and 108 mm  
1/2, 3/4, 1, 1-1/4, 1-1/2 and 2 inch NPS

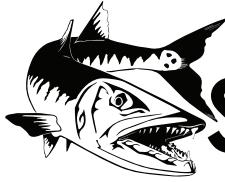
**NUMEPRESS Compression Fittings - Various Models**  
Sizes 28 to 108 mm  
1/2 to 2 inch NPS (NUMEPRESS SCH)

**Prepared for:**  
Isotubi SL  
Pol Santa Rita C Mecanica 6  
Castellbisbal, Barcelona 08755  
Spain

FM Approvals Class: 1630, 1920  
Approval Identification: 0003049584 Approval Granted: July 1, 2015  
To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)  
Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

  
Member of the FM Global Group

  
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FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062



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## StainlessPress Fittings North American Certifications

- **IAPMO PS 117** - Press Connections
- **NSF / ANSI / CAN 61** - Drinking Water System Components - Health Effects
- **NSF / ANSI / CAN 372** - Drinking Water System Components - Lead Content
- **FM 1920** - Pipe Couplings and Fittings for Above Ground Fire Protection Systems
- **American Bureau of Shipping** - Product Design Assessment (PDA) Certificate 1 5-PR1438892-PDA, Piping System and Couplings

## StainlessPress Valves with Press Connection Ends

- **IAPMO Z1157** - Ball Valves
- **NSF / ANSI / CAN 61** - Drinking Water System Components - Health Effects
- **NFS / ANSI / CAN 372** - Drinking Water System Components - Lead Content

## StainlessPress Fittings Global Certifications

IsoTubi-USA, By Merit Brass Co.

(note 1.4404=AISI 316L Stainless Steel)

- **CSTB** (France) Distribution and Water Drainage Pipes and Fittings
- **BSI** (UK) EN 10352:2010 Stainless Steel Plumbing Fittings - Fittings with Press Ends for Metallic Tubes for Gas
- **Lloyd's Register** (UK & global) - Stainless Steel Welded Pipe System with Couplings for use in Class III Systems where no Fire Endurance Test is Required and in Domestic and Sanitary Systems
- **WRAS** (UK) Section 1180 - Fittings for use with Tube and Pipe
- **CSIRO** (Australia) Fire Sprinkler Systems - Piping/Water Supply - Metallic Fittings and End Connectors/Plumbing and Drainage Products - Stainless Steel Pipes and Tubes for Pressure Applications
- **ÖVGW** (Austria) Stainless Steel Pipes (Material 1.4404) as well as System Connectors as Press Connector Made of 1.4404 for the Drinking Water Installation for Hot and Cold Water Installation
- **SGWA** (Switzerland) Pipes and Fittings (1.4404) Drinking Water Distribution Systems
- **DNV GL** (Norway) Steel Pipes and Fittings. Products approved by this certificate are accepted for installation on vessels classed by DNV GL.
- **ETA** (Denmark) Pipe System Consisting of Stainless Steel Pipes and Press Fittings for Domestic and Ground Water Installations (1.4404)



## MATERIAL SPECIFICATIONS

### FITTING HOUSING:

Stainless Steel per ANSI 316L (Flanges and Valves per ANSI 316) with a wall thickness of 0.065" (1.65mm) and the following characteristics:

- Hygienic material often used in the food, beverage, and pharmaceutical industry
- Higher surface roughness friction factor resulting in less flow loss
- Excellent corrosion resistance

### WORKING PRESSURE:

The working pressure range is from full vacuum to 300PSI (20.7 bar) on Schedule 5 and 10 Stainless Steel Pipe.

### SEALING ELEMENT SPECIFICATIONS

The sealing element gasket is resistant to hot water, aging, and additives commonly used in drinking water. EPDM sealing elements are certified to all requirements of NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372

#### EPDM - Ethylene Propylene Diene Monomer (Black Color)

Service Temperature Range: -4°F to 230°F (-20°C to 110°C)

Recommended for potable water, dilute acids, alkalies, oil free air, and many chemical services. Excellent oxidation resistance. EPDM fittings and valves are certified to all requirements of NSF/ANSI 61, Annex G, and NSF/ANSI 372.  
NOT FOR USE WITH HYDROCARBONS.

#### HNBR\* - Hydrogenated Nitrile Butadiene Rubber (Yellow Color)

Service Temperature Range: -13°F to 248°F (-25°C to 120°C)

Recommended for petroleum-based products, propane, vegetable oils, lubricants, salt solutions, ethylene glycol, and gases. Excellent resilience and tear resistance.  
NOT FOR USE IN HOT WATER, HOT AIR, ETHERS OR HALOGENATED SOLVENTS.

#### FKM - Fluoroelastomer (Green Color) **AVAILABLE UPON REQUEST**

Service Temperature Range: -4F to 356F (-20C to 180C)

Recommended for oxidizing acids, oils, hydraulic fluids, chlorinated hydrocarbons, and process water. Retains mechanical properties at elevated temperatures.  
NOT FOR USE WITH AMMONIA.

\*Temp range for valves with HNBR sealing element is -13°F to 248°F (-25°C to 120°C).

Certified to all requirements of NSF/ANSI 61, Annex G, and NSF/ANSI 372.

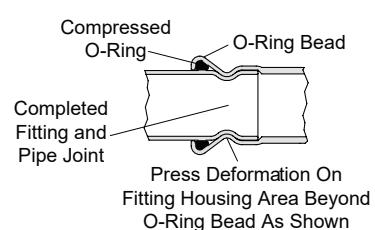
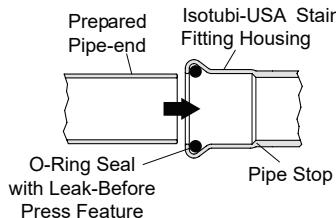
IsoTubi-USA stainless steel fittings have IAPMO certifications and are compliant with ASME B31.1, B31.3 and B31.9 piping codes.

See table below for a detailed summary of approvals.

### ISOTUBI-USA STAINLESS STEEL SYSTEM AGENCY APPROVALS

Fitting Type	Thread Type/Bolt Pattern	O-Ring Material	IAPMO	NSF
Non-Threaded Fittings	N/A	EPDM	Y	Y
		HNBR	Y	N
		FKM	Y	N
Threaded Fittings	ANSI/ASME B.1.20.1	EPDM	Y	Y
		HNBR	Y	N
		FKM	Y	N
Flange Adapters	ANSI 125/250	EPDM	Y	Y
		HNBR	Y	N
		FKM	Y	N

As shown in the drawings below, the StainlessPress, IsoTubi-USA, by Merit Brass Co. sealing element design provides a unique Leak Before Press feature that quickly identifies during pressure testing any fittings not properly pressed. Fittings pressed incorrectly will allow liquids and gases to bypass the seal. The Leak Before Press feature significantly reduces the chance of improper joints, helping to ensure a leak-free system.





## MINIMUM INSTALLATION DISTANCES

MINIMUM FITTING DISTANCES					
Nominal Size	O.D.	A Minimum Distance Between Fittings	L Minimum Pipe Length Between Fittings	E Socket Insertion Depth	D Fitting Housing Diameter
1/2	0.840	0.39	2.05	0.83	1.26
3/4	1.050	0.39	2.28	0.94	1.46
1	1.315	0.39	2.44	1.02	1.73
1-1/4	1.660	0.39	3.23	1.22	2.48
1-1/2	1.900	0.39	3.23	1.22	2.48
2	2.375	0.79	4.33	1.22	3.08

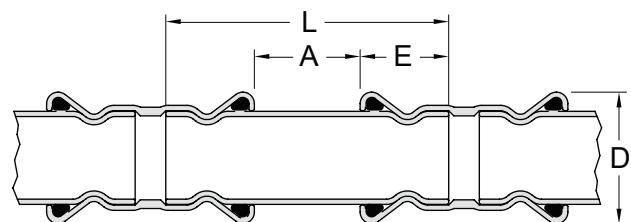
Minimum Fitting Distance is the recommended minimum distances between fittings to permit mechanical forming of the pipe during the pressing process.

StainlessPress, IsoTubi-USA fittings are designed for use with Schedule 5 or 10 Type 304/304L or 316/316L Stainless Steel Pipe conforming to ASTM A-312. Refer to the Pipe Tolerance and Hanger Supports table (to the right) for pipe tolerance specifications. Consult local authority having jurisdiction for additional requirements.

StainlessPress, IsoTubi-USA fittings can be suspended on hangers, brackets, or other supports with the maximum vertical and horizontal spacing as indicated in the Pipe Tolerance and Hanger Supports table (to the right). Details by pipe manufacturers or application requirements may specify additional hanging requirements.

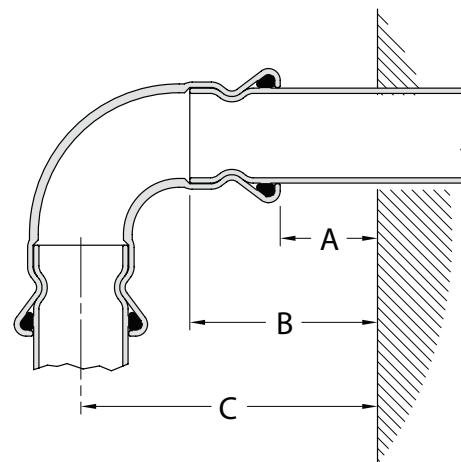
Proper bearing and spacing of supports is necessary to prevent excessive bending or sagging when supporting pipe.

For locations where there is insufficient access to accommodate the pressing tool, consider prefabricating the pipework or using an alternate joining solution. Tables below show the minimum clearances required for wall and corner installations.



PIPE TOLERANCE AND HANGER SUPPORTS					
Pipe Size		Pipe Tolerance		Pipework Support	
Nominal Size	O.D.	Pipe O.D. Tolerance +/-	Pipe Wall Thickness Sch. 5	Vertical Intervals	Horizontal Intervals
1/2	0.840	0.004	0.065	6	4
3/4	1.050	0.006	0.065	6	5
1	1.315	0.006	0.065	8	6
1-1/4	1.660	0.008	0.065	10	8
1-1/2	1.900	0.008	0.065	10	8
2	2.375	0.011	0.065	10	8

MINIMUM CLEARANCE FOR PERPENDICULAR RUNS				
Pipe Size		A Minimum Wall to Fitting Distance	B Minimum Horizontal Pipe Distance from Wall	C Minimum Vertical Pipe Distance from Wall
Nominal Size	O.D.			
1/2	0.840	1.38	2.20	3.78
3/4	1.050	1.38	2.32	4.21
1	1.315	1.38	2.40	4.76
1-1/4	1.660	1.38	2.50	4.92
1-1/2	1.900	1.38	2.60	5.08
2	2.375	1.38	3.15	6.38



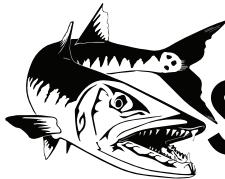


## Tools, Kits, Jaws & Rings

Milwaukee Part #	Tooling Name
2773-20L	M18™ Force Logic™ Long Throw Press Tool (Use M18 Jaws)
2773-22L	M18™ Force Logic™ Long Throw Press Tool Kit (With 1/2" - 1" Jaws)
49-16-2650S	M18™ 1/2" IPS-IA Jaw
49-16-2651S	M18™ 3/4" IPS-IA Jaw
49-16-2652S	M18™ 1" IPS-IA Jaw
49-16-2653S	M18™ 1-1/4" IPS-IA Jaw
49-16-2654S	M18™ 1-1/2" IPS-IA Jaw
49-16-2655S	M18™ 2" IPS-IA Jaw
49-16-2659	Ring Jaw 1 (2-1/2" - 4")
49-16-2659S	Ring Jaw 2 (1-1/2" - 2")
49-16-2691S	M18™ Force Logic™ Long Throw IPS-IA Press Ring Kit (1-1/4" - 2")

Milwaukee press fitting tools are battery operated, allowing piping installations where wired power is not available. Diameter specific exchangeable jaws allow for quick changeover (see specific information above).



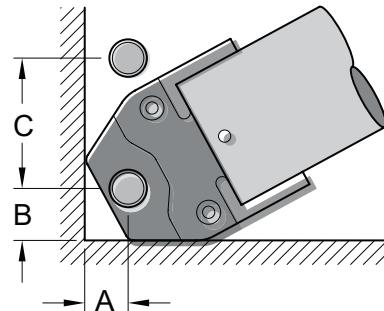
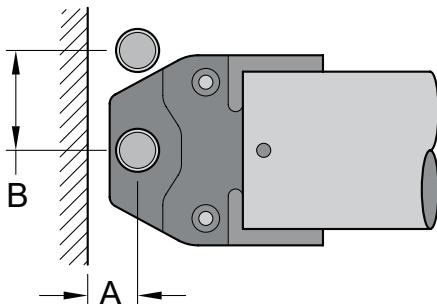


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## MINIMUM CLEARANCE FOR PRESSING



### MINIMUM CLEARANCE FOR PERPENDICULAR RUNS

Pipe Size		A Wall Clearance	B Parallel Pipe Clearance
Nominal Size	O.D.		
1/2	0.840	0.875	2.25
3/4	1.050	0.875	2.375
1	1.315	1.00	2.625
1-1/4	1.660	1.188	3.00
1-1/2	1.900	1.188	3.00
2	2.375	2.375	5.625
2*	2.375	3.00	4.625

### MINIMUM CLEARANCE FOR PERPENDICULAR RUNS

Pipe Size		A Wall Clearance	B Wall Clearance	C Parallel Pipe Clearance
Nominal Size	O.D.			
1/2	0.840	0.875	1.25	3.00
3/4	1.050	1.00	1.125	3.00
1	1.315	1.25	1.375	2.625
1-1/4	1.660	1.25	1.75	3.00
1-1/2	1.900	1.25	1.75	3.00
2	2.375	2.375	4.375	5.625
2*	2.375	3.00	3.00	4.625

\*Loop-Type Jaw clearances

Dimensions may vary based on pressing tool. Refer to pressing tool manufacturer's instructions for specific dimensions.

See page 10 for installation instructions.

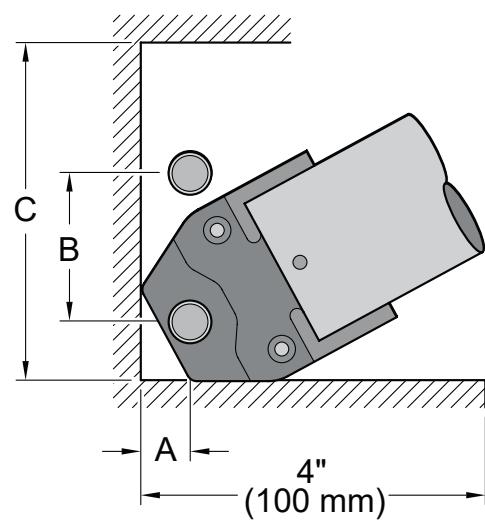
\*Loop-Type Jaw clearances

Dimensions may vary based on pressing tool. Refer to pressing tool manufacturer's instructions for specific dimensions.

See page 10 for installation instructions.

### MINIMUM CLEARANCE FOR PERPENDICULAR RUNS

Pipe Size		A Wall Clearance	B Parallel Pipe Clearance	C Minimum Recess Width
Nominal Size	O.D.			
1/2	0.840	0.875	3.00	0.625
3/4	1.050	1.00	3.00	5.25
1	1.315	1.25	2.625	6.00
1-1/4	1.660	1.25	2.625	6.75
1-1/2	1.900	1.25	2.625	6.75
2	2.375	2.375	5.625	14.25
2*	2.375	3.00	4.625	10.50



\*Loop-Type Jaw clearances

Dimensions may vary based on pressing tool. Refer to pressing tool manufacturer's instructions for specific dimensions.

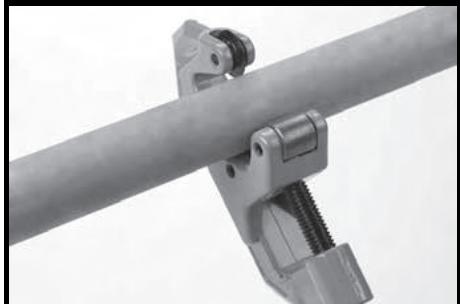
See page 10 for installation instructions.



## INSTALLATION INSTRUCTIONS

IsoTubi-USA Stainless Steel Fittings and Valves must be installed in accordance with this section.

Always ensure that the pressing tool and its jaws are appropriate for the schedule of pipe and size of fitting or valve. Always refer to the pressing tool manufacturer's instructions for operation and maintenance prior to use with IsoTubi-USA Stainless Steel Fittings and Valves. *Failure to follow these instructions may void the warranty.*



### 1. SELECT & CUT PIPE

Select the correct size of pipe, fitting or valve for the job. Ensure that both are clean and free from damage and imperfections. Cut pipe squarely, making sure to avoid jagged edges or scratching and denting pipe surface.



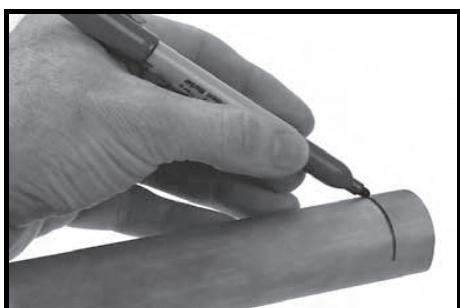
### 2. DEBURR PIPE

Deburr inside and outside of pipe, removing debris that can impede flow or damage the O-Ring Seal material. Clean pipe surface of oil and debris.



### 3. CHECK PRESS FITTINGS

Check the press fittings and valves to ensure the O-Ring Seal material is appropriate for the application. The color of the O-Ring Seal indicates the material type. Select the O-Ring Seal based on the intended application.



### 4. MEASURE & MARK PIPE

With a permanent marker, mark the insertion depth at the appropriate distance from the end of the pipe.

### 5. INSERT PIPE INTO FITTINGS

Insert the pipe until it contacts the pipe stop of the fitting or valve. With the fitting or valve on the pipe, the insertion mark should be visible.

Couplings without stops must be centered between the pipe ends. However, the minimum pipe insertion depth must be maintained and marked.

### 7. POSITION TOOL & SQUEEZE TRIGGER

Position the Tool Jaws on the raised surface of the fitting or valve, then squeeze the trigger until the pressing action is complete. The pressing will complete a cycle and then stop.

Do not release the trigger until the pressing action is complete. Incomplete presses may reduce the pressure retention capabilities of the joint and lead to subsequent system leakage.

### 6. VERIFY TOOL & JAW

Using an approved Press Tool from the Tooling Table, verify the Tool Jaw is the appropriate size for the fitting. For wall and tube clearances, refer to the pressing tool manufacturer's instructions. *Failure to follow these instructions may void the warranty.*

Release the trigger and remove the Jaw from the fitting. Inspect the connection to make sure the fitting or valve insertion mark is in the appropriate place.



### PRESSING TOOLS

Milwaukee's M18™ Force Logic™ Long Throw Press Tool

See Page 8 for Associated Jaws and Rings

Nominal Size	Insertion Mark Distance
1/2	0.875
3/4	1.000
1	1.063
1-1/4	1.16
1-1/2	1.250
2	1.813

### PRESSING TOOLS

The IsoTubi-USA system uses only Type M press configuration and can be installed using any of the press tools shown in the table above and on page 8. Tools are powered with a rechargeable battery. Each tool has a unique set of easily interchangeable jaws/collars for each pipe size.



# StainlessPress®

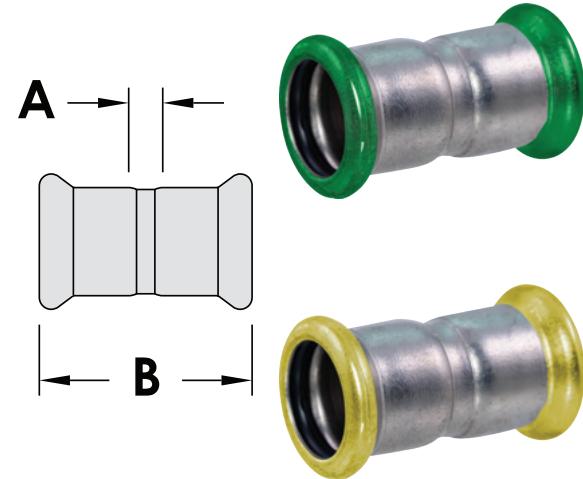
IsoTubi-USA, By Merit Brass Co.



## Coupling With Stop

### Press x Press

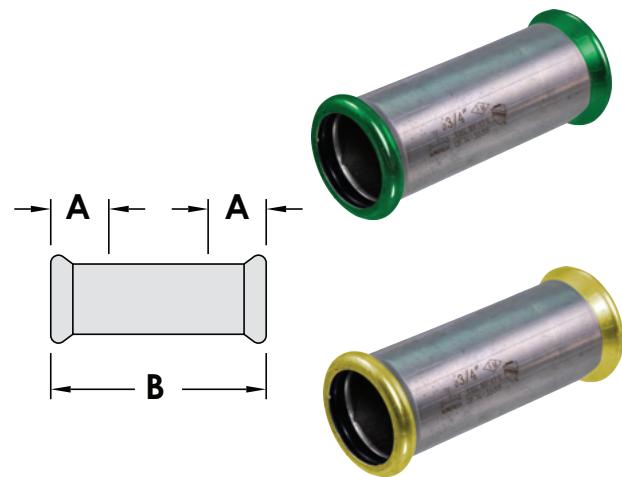
Part Number	Size		Dimensions		Weight lbs
	Inches	Nominal	Inches	A	
EPDM	HNBR	Nominal	A	B	
MBF011/26GE	MBF011/26GEH	1/2	0.42	2.09	0.13
MBF013/46GE	MBF013/46GEH	3/4	0.44	2.33	0.18
MBF0116GE	MBF0116GEH	1	0.43	2.48	0.23
MBF0111/46GE	MBF0111/46GEH	1-1/4	0.71	3.07	0.32
MBF0111/26GE	MBF0111/26GEH	1-1/2	0.43	2.84	0.40
MBF0126GE	MBF0126GEH	2	0.50	4.05	0.74



## Coupling Without Stop

### Press x Press

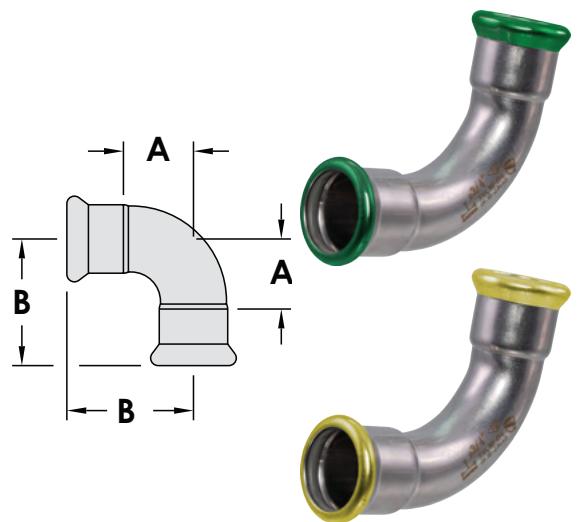
Part Number	Size		Dimensions		Weight lbs
	Inches	Nominal	Inches	A	
EPDM	HNBR	Nominal	A	B	
MBF021/26GE	MBF021/26GEH	1/2	0.83	2.95	0.18
MBF023/46GE	MBF023/46GEH	3/4	0.95	3.40	0.25
MBF0216GE	MBF0216GEH	1	1.02	3.83	0.34
MBF0211/46GE	MBF0211/46GEH	1-1/4	1.18	4.49	0.46
MBF0211/26GE	MBF0211/26GEH	1-1/2	1.20	4.81	0.63
MBF0226GE	MBF0226GEH	2	1.77	6.76	1.13



## 90° Elbow

### Press x Press

Part Number	Size		Dimensions		Weight lbs
	Inches	Nominal	Inches	A	
EPDM	HNBR	Nominal	A	B	
MBF031/26GE	MBF031/26GEH	1/2	1.57	2.41	0.22
MBF033/46GE	MBF033/46GEH	3/4	1.89	2.84	0.33
MBF0316GE	MBF0316GEH	1	2.37	3.40	0.48
MBF0311/46GE	MBF0311/46GEH	1-1/4	2.20	3.39	0.56
MBF0311/26GE	MBF0311/26GEH	1-1/2	2.56	3.76	0.79
MBF0326GE	MBF0326GEH	2	3.23	5.00	1.39





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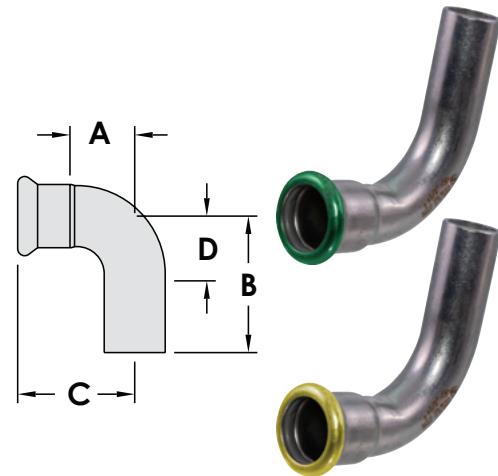
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## 90° Street Elbow

Male x Female

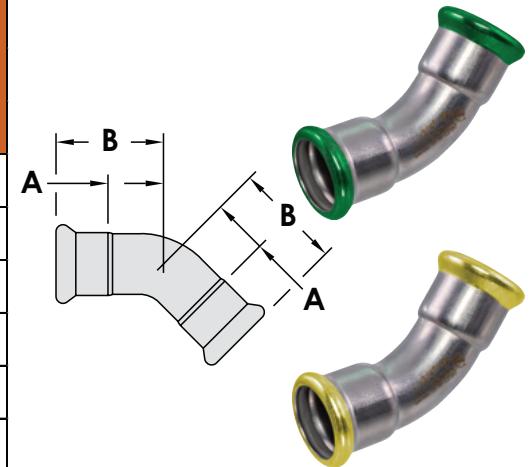
Part Number		Size		Dimensions				Weight lbs
EPDM	HNBR	Nominal	Inches	A	B	C	D	
MBF041/26GE	MBF041/26GEH	1/2	1.57	2.95	2.41	1.34	0.24	
MBF043/46GE	MBF043/46GEH	3/4	1.89	3.27	2.84	1.69	0.33	
MBF0416GE	MBF0416GEH	1	2.37	3.82	3.40	2.13	0.37	
MBF0411/46GE	MBF0411/46GEH	1-1/4	2.20	3.80	3.39	1.97	0.57	
MBF0411/26GE	MBF0411/26GEH	1-1/2	2.48	4.21	3.69	2.24	0.77	
MBF0426GE	MBF0426GEH	2	3.23	5.59	5.00	3.23	1.34	



## 45° Elbow

Press x Press

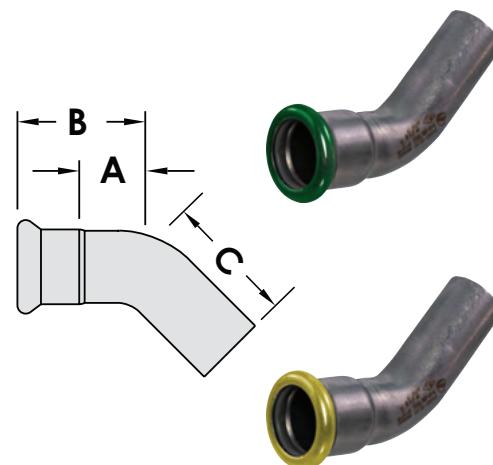
Part Number		Size		Dimensions			Weight lbs
EPDM	HNBR	Nominal	Inches	A	B	C	
MBF051/26GE	MBF051/26GEH	1/2	0.79	1.62			0.18
MBF053/46GE	MBF053/46GEH	3/4	0.90	1.85			0.24
MBF0516GE	MBF0516GEH	1	1.13	2.14			0.37
MBF0511/46GE	MBF0511/46GEH	1-1/4	1.05	2.23			0.50
MBF0511/26GE	MBF0511/26GEH	1-1/2	1.17	2.37			0.59
MBF0526GE	MBF0526GEH	2	1.48	3.24			1.06



## 45° Street Elbow

Male x Female

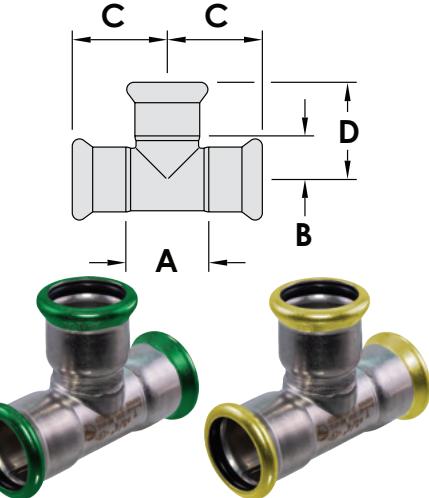
Part Number		Size		Dimensions			Weight lbs
EPDM	HNBR	Nominal	Inches	A	B	C	
MBF061/26GE	MBF061/26GEH	1/2	0.79	1.62		2.25	0.20
MBF063/46GE	MBF063/46GEH	3/4	0.90	1.85		2.26	0.26
MBF0616GE	MBF0616GEH	1	1.13	2.14		2.49	0.37
MBF0611/46GE	MBF0611/46GEH	1-1/4	1.05	2.23		2.63	0.51
MBF0611/26GE	MBF0611/26GEH	1-1/2	1.17	2.37		2.89	0.60
MBF0626GE	MBF0626GEH	2	1.48	3.24		3.83	1.06



## Equal Tee

## Press x Press x Presss

Part Number		Size		Dimensions				Weight lbs
		Inches		Inches				
EPDM	HNBR	Nominal	A	B	C	D		
MBF161/26GE	MBF161/26GEH	1/2	1.28	0.80	1.48	1.64	0.24	
MBF163/46GE	MBF163/46GEH	3/4	1.50	0.92	1.70	1.87	0.33	
MBF1616GE	MBF1616GEH	1	1.78	1.07	1.91	2.09	0.46	
MBF1611/46GE	MBF1611/46GEH	1-1/4	2.13	1.28	2.24	2.46	0.59	
MBF1611/26GE	MBF1611/26GEH	1-1/2	3.19	1.42	2.80	2.63	0.92	
MBF1626GE	MBF1626GEH	2	3.22	1.65	3.39	3.43	1.48	



## Reducing Tee

## Press x Press x Press

Part Number		Size		Dimensions				Weight lbs
		Inches		Inches				
EPDM	HNBR	Nominal	A	B	C	D		
MBF153/41/23/46GE	MBF153/41/23/46GEH	3/4 x 3/4 x 1/2	1.50	0.91	1.70	1.74	0.31	
MBF1511/216GE	MBF1511/216GEH	1 x 1 x 1/2	1.78	1.06	1.91	1.89	0.40	
MBF1513/416GE	MBF1513/416GEH	1 x 1 x 3/4	1.78	1.07	1.91	2.02	0.42	
MBF1511/41/211/46GE	MBF1511/41/211/46GEH	1-1/4 x 1-1/4 x 1/2	2.13	1.19	2.25	2.02	0.51	
MBF1511/43/411/46GE	MBF1511/43/411/46GEH	1-1/4 x 1-1/4 x 3/4	2.13	1.20	2.25	2.15	0.53	
MBF1511/4111/46GE	MBF1511/4111/46GEH	1-1/4 x 1-1/4 x 1	2.12	1.20	2.24	2.22	0.56	
MBF1511/21/211/26GE	MBF1511/21/211/26GEH	1-1/2 x 1-1/2 x 1/2	3.19	1.39	2.80	2.23	0.79	
MBF1511/23/411/26GE	MBF1511/23/411/26GEH	1-1/2 x 1-1/2 x 3/4	3.19	1.37	2.80	2.34	0.81	
MBF1511/2111/26GE	MBF1511/2111/26GEH	1-1/2 x 1-1/2 x 1	3.19	1.42	2.80	2.45	0.84	
MBF1511/211/411/26GE	MBF1511/211/411/26GEH	1-1/2 x 1-1/2 x 1-1/4	3.19	1.50	2.80	2.68	0.88	
MBF1521/226GE	MBF1521/226GEH	2 x 2 x 1/2	3.22	1.60	3.39	2.44	1.17	
MBF1523/426GE	MBF1523/426GEH	2 x 2 x 3/4	3.22	1.68	3.39	2.63	1.19	
MBF152126GE	MBF152126GEH	2 x 2 x 1	3.22	1.61	3.39	2.66	1.23	
MBF15211/426GE	MBF15211/426GEH	2 x 2 x 1-1/4	3.22	1.73	3.38	2.91	1.27	
MBF15211/226GE	MBF15211/226GEH	2 x 2 x 1-1/2	3.22	1.65	3.39	2.86	1.32	



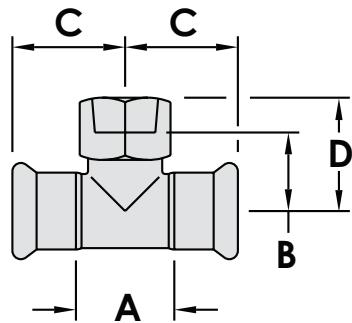


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## Tee & Reducing Tee Adapters

Part Number		Size Inches	Dimensions Inches				Weight lbs
			A	B	C	D	
MBF121/21/26GE	MBF121/21/26GEH	1/2 x 1/2 x 1/2	1.28	0.93	1.48	1.52	0.26
MBF121/23/46GE	MBF121/23/46GEH	1/2 x 1/2 x 3/4	1.28	1.30	1.48	1.84	0.37
MBF123/41/26GE	MBF123/41/26GEH	3/4 x 3/4 x 1/2	1.50	0.96	1.70	1.63	0.33
MBF123/43/46GE	MBF123/43/46GEH	3/4 x 3/4 x 3/4	1.50	1.15	1.70	1.81	0.40
MBF123/416GE	MBF123/416GEH	3/4 x 3/4 x 1	1.50	1.12	1.70	1.97	0.46
MBF1211/26GE	MBF1211/26GEH	1 x 1 x 1/2	1.78	1.11	1.91	1.78	0.42
MBF1213/46GE	MBF1213/46GEH	1 x 1 x 3/4	1.78	1.26	Press x 1.91	Press x 1.96	x NPT 0.48
MBF12111/46GE	MBF12111/46GEH	1 x 1 x 1-1/4	1.78	1.59	1.92	2.43	0.91
MBF1211/41/26GE	MBF1211/41/26GEH	1-1/4 x 1-1/4 x 1/2	2.13	1.24	2.25	1.92	0.57
MBF1211/43/46GE	MBF1211/43/46GEH	1-1/4 x 1-1/4 x 3/4	2.13	1.39	2.25	2.07	0.62
MBF1211/416GE	MBF1211/416GEH	1-1/4 x 1-1/4 x 1	2.13	1.35	2.25	2.11	0.75
MBF1211/411/46GE	MBF1211/411/46GEH	1-1/4 x 1-1/4 x 1-1/4	2.13	1.67	2.24	2.51	1.00
MBF1211/21/26GE	MBF1211/21/26GEH	1-1/2 x 1-1/2 x 1/2	3.19	1.44	2.80	2.12	0.85
MBF1211/23/46GE	MBF1211/23/46GEH	1-1/2 x 1-1/2 x 3/4	3.19	1.57	2.80	2.25	0.91
MBF1211/216GE	MBF1211/216GEH	1-1/2 x 1-1/2 x 1	3.19	1.59	2.80	2.33	1.03
MBF1211/211/26GE	MBF1211/211/26GEH	1-1/2 x 1-1/2 x 1-1/2	3.19	1.54	2.80	2.64	1.27
MBF1221/26GE	MBF1221/26GEH	2 x 2 x 1/2	3.22	1.65	3.39	2.32	1.19
MBF1223/46GE	MBF1223/46GEH	2 x 2 x 3/4	3.22	1.86	3.39	2.54	1.26
MBF12216GE	MBF12216GEH	2 x 2 x 1	3.22	1.78	3.39	2.52	1.32
MBF12226GE	MBF12226GEH	2 x 2 x 2	3.22	2.26	3.39	3.19	1.90





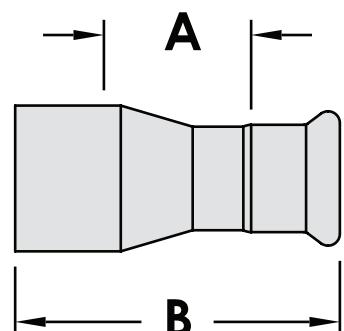
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## Bushing Reducer

## FTG x Press

Part Number		Size	Dimensions			Weight lbs
			Inches	Inches		
EPDM	HNBR	Nominal	A	B		
MBF143/41/26GE	MBF143/41/26GEH	3/4 x 1/2	0.63	3.04	0.18	
MBF1411/26GE	MBF1411/26GEH	1 x 1/2	0.66	3.26	0.23	
MBF1413/46GE	MBF1413/46GEH	1 x 3/4	1.00	3.76	0.26	
MBF1411/41/26GE	MBF1411/41/26GEH	1-1/4 x 1/2	0.72	3.32	0.27	
MBF1411/43/46GE	MBF1411/43/46GEH	1-1/4 x 3/4	1.00	3.25	0.26	
MBF1411/416GE	MBF1411/416GEH	1-1/4 x 1	0.84	3.52	0.31	
MBF1411/21/26GE	MBF1411/21/26GEH	1-1/2 x 1/2	0.55	3.47	0.33	
MBF1411/23/46GE	MBF1411/23/46GEH	1-1/2 x 3/4	0.76	3.55	0.55	
MBF1411/216GE	MBF1411/216GEH	1-1/2 x 1	1.19	4.30	0.39	
MBF1411/211/46GE	MBF1411/211/46GEH	1-1/2 x 1-1/4	0.93	4.19	0.44	
MBF1421/26GE	MBF1421/26GEH	2 x 1/2	0.67	4.17	0.53	
MBF1423/46GE	MBF1423/46GEH	2 x 3/4	0.98	4.27	0.35	
MBF14216GE	MBF14216GEH	2 x 1	0.91	4.33	0.57	
MBF14211/46GE	MBF14211/46GEH	2 x 1-1/4	0.88	4.66	0.63	
MBF14211/26GE	MBF14211/26GEH	2 x 1-1/2	1.30	4.77	0.72	





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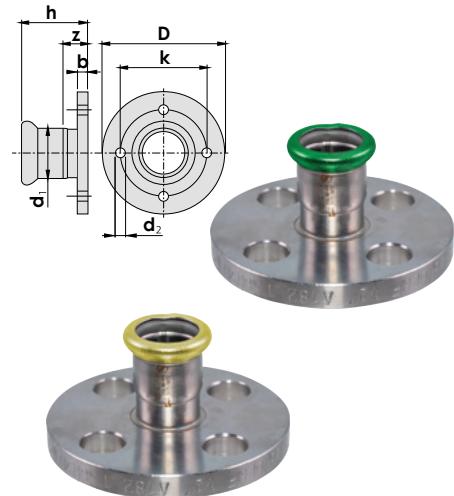
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## Flange Adapter

## Press x ANSI 125/150 Flange

Part Number		Dimensions										Weight lbs
		Size Inches		Dimensions Inches								
EPDM	HNBR	Nominal	D	k	b	d <sub>1</sub>	d <sub>2</sub>	h	n*	z		
MBF191/26GE	MBF191/26GEH	1/2	3.50	2.37	0.38	1.37	0.62	1.85	4	1.02	0.90	
MBF193/46GE	MBF193/46GEH	3/4	3.94	2.75	0.44	1.69	0.62	2.21	4	1.27	1.30	
MBF1916GE	MBF1916GEH	1	4.33	3.13	0.50	2.00	0.62	2.52	4	1.50	1.83	
MBF1911/46GE	MBF1911/46GEH	1-1/4	4.53	3.50	0.56	2.50	0.62	2.32	4	1.14	2.10	
MBF1911/26GE	MBF1911/26GEH	1-1/2	4.92	3.87	0.63	2.87	0.62	3.40	4	2.20	3.03	
MBF1926GE	MBF1926GEH	2	5.91	4.75	0.69	3.63	0.75	4.71	4	2.94	4.91	

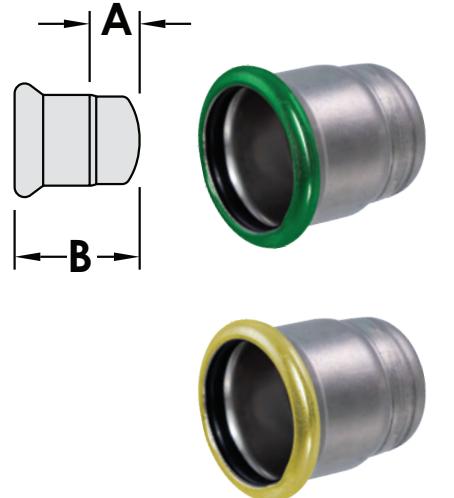
n\* = number of such. Ø d<sub>2</sub> Flange material is AISI 304 and the body is AISI 316



## Cap

## Press

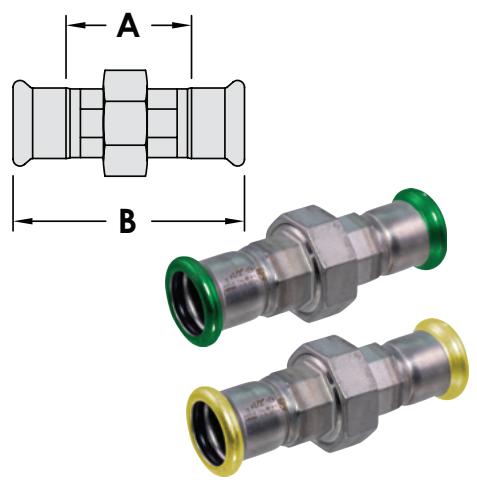
Part Number		Size		Dimensions		Weight lbs
		Inches		Inches		
EPDM	HNBR	Nominal	A	B		
MBF211/26GE	MBF211/26GEH	1/2	0.85	1.68	0.09	
MBF213/46GE	MBF213/46GEH	3/4	0.75	1.70	0.13	
MBF2116GE	MBF2116GEH	1	0.83	1.85	0.18	
MBF2111/46GE	MBF2111/46GEH	1-1/4	0.93	2.11	0.22	
MBF2111/26GE	MBF2111/26GEH	1-1/2	0.95	2.15	0.33	
MBF2126GE	MBF2126GEH	2	1.10	2.87	0.55	



## Union

## Press x Press

Part Number		Size		Dimensions		Weight lbs
		Inches		Inches		
EPDM	HNBR	Nominal	A	B		
MBF241/26GE	MBF241/26GEH	1/2	2.27	3.94	0.62	
MBF243/46GE	MBF243/46GEH	3/4	2.64	4.54	0.82	
MBF2416GE	MBF2416GEH	1	2.72	4.76	0.97	
MBF2411/46GE	MBF2411/46GEH	1-1/4	3.22	5.59	1.93	
MBF2411/26GE	MBF2411/26GEH	1-1/2	3.88	6.29	2.36	
MBF2426GE	MBF2426GEH	2	4.72	8.26	3.70	





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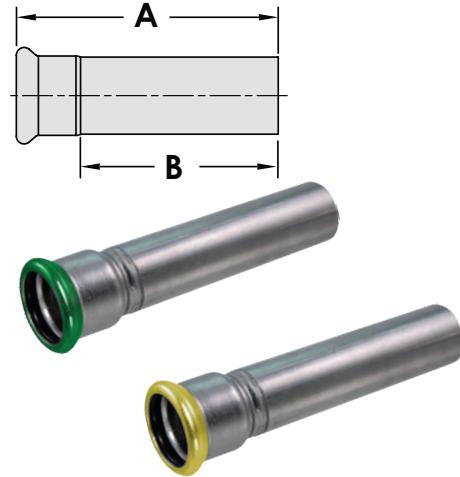
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## Weld Adapter

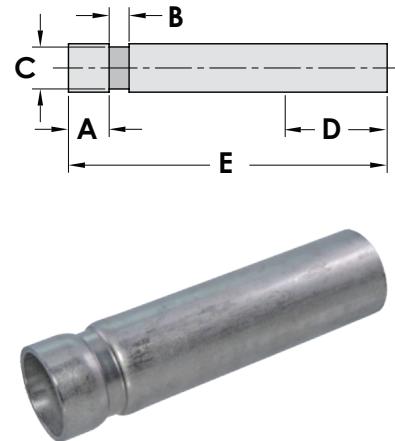
## Male Weld x Female Press

Part Number		Size Inches	Dimensions Inches		Weight lbs
EPDM	HNBR	Nominal	A	B	
MBF551/26GE	MBF551/26GEH	1/2	5.13	4.30	0.62
MBF553/46GE	MBF553/46GEH	3/4	5.27	4.32	0.82
MBF5516GE	MBF5516GEH	1	5.34	4.31	0.97
MBF5511/46GE	MBF5511/46GEH	1-1/4	5.58	4.39	1.93
MBF5511/26GE	MBF5511/26GEH	1-1/2	5.52	4.32	2.36
MBF5526GE	MBF5526GEH	2	6.09	4.31	3.70



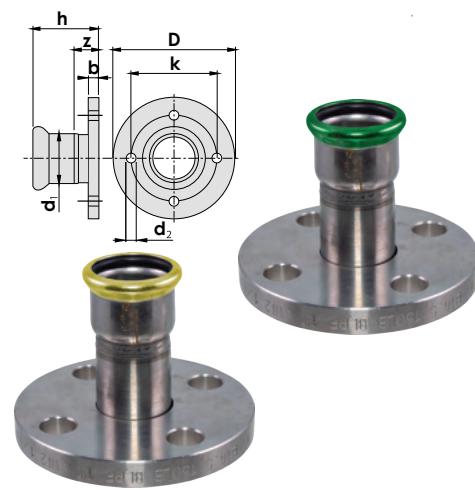
## Transition Adapter

Part Number		Size Inches	Dimensions Inches					Weight lbs
EPDM	HNBR	Nominal	A	B	C	D	E	
MBF433/46GT	MBF433/46GTH	3/4	0.625	0.280	0.938	1.57	4.94	0.25
MBF4316GT	MBF4316GTH	1	0.625	0.280	1.190	1.18	5.02	0.34
MBF4311/46GE	MBF4311/46GEH	1-1/4	0.625	0.280	1.540	1.57	5.12	0.67
MBF4311/26GT	MBF4311/26GTH	1-1/2	0.625	0.280	1.775	1.57	5.20	0.63
MBF4326GT	MBF4326GTH	2	0.625	0.340	2.250	2.36	5.77	1.13

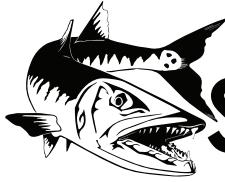


## Van Stone Flange Adapter Press x ANSI 125/150 Flange

Part Number		Size Inches	Dimensions Inches								Weight lbs
EPDM	HNBR	Nominal	D	k	b	d <sub>1</sub>	d <sub>2</sub>	h	n*	z	
MBF441/26GE	MBF441/26GEH	1/2	3.60	2.37	0.41	1.38	0.62	3.07	4	2.23	0.93
MBF443/46GE	MBF443/46GEH	3/4	3.86	2.75	0.48	1.69	0.62	3.19	4	2.24	1.39
MBF4416GE	MBF4416GEH	1	4.25	3.13	0.53	2.00	0.62	3.27	4	2.24	1.84
MBF4411/46GE	MBF4411/46GEH	1-1/4	4.69	3.50	0.59	2.50	0.62	3.54	4	2.36	2.40
MBF4411/26GE	MBF4411/26GEH	1-1/2	4.99	3.87	0.63	2.87	0.62	3.44	4	2.24	2.98
MBF4426GE	MBF4426GEH	2	6.02	4.75	0.76	3.63	0.75	4.53	4	2.76	4.79



n\* = number of such. Ø d<sub>2</sub>. Flange material is AISI 304 and the body is AISI 316



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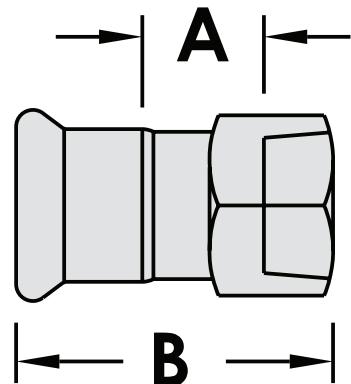
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## Female Adapter

## Press x FPT

Part Number	Size	Dimensions			Weight lbs
		Inches	Inches		
EPDM	HNBR	Nominal	A	B	
MBF171/21/26GE	MBF171/21/26GEH	1/2 x 1/2	0.74	2.17	0.20
MBF171/23/46GE	MBF171/23/46GEH	1/2 x 3/4	0.92	2.44	0.28
MBF171/216GE	MBF171/216GEH	1/2 x 1	0.89	2.56	0.43
MBF173/41/26GE	MBF173/41/26GEH	3/4 x 1/2	0.84	2.47	0.32
MBF173/43/46GE	MBF173/43/46GEH	3/4 x 3/4	0.84	2.45	0.28
MBF173/416GE	MBF173/416GEH	3/4 x 1	0.80	2.59	0.43
MBF173/411/46GE	MBF173/411/46GEH	3/4 x 1-1/4	1.08	3.03	0.72
MBF1711/26GE	MBF1711/26GEH	1 x 1/2	0.86	2.56	0.50
MBF1713/46GE	MBF1713/46GEH	1 x 3/4	0.86	2.56	0.43
MBF17116GE	MBF17116GEH	1 x 1	0.78	2.56	0.43
MBF17111/46GE	MBF17111/46GEH	1 x 1-1/4	1.10	2.97	0.69
MBF17111/26GE	MBF17111/26GEH	1 x 1-1/2	1.05	3.13	0.80
MBF1711/41/26GE	MBF1711/41/26GEH	1-1/4 x 1/2	0.93	2.80	0.81
MBF1711/416GE	MBF1711/416GEH	1-1/4 x 1	0.86	2.80	0.63
MBF1711/411/46GE	MBF1711/411/46GEH	1-1/4 x 1-1/4	0.93	2.95	0.74
MBF1711/411/26GE	MBF1711/411/26GEH	1-1/4 x 1-1/2	0.88	3.11	0.69
MBF1711/216GE	MBF1711/216GEH	1-1/2 x 1	1.01	3.06	1.26
MBF1711/211/46GE	MBF1711/211/46GEH	1-1/2 x 1-1/4	0.66	2.70	0.63
MBF1711/211/26GE	MBF1711/211/26GEH	1-1/2 x 1-1/2	0.80	3.05	0.64
MBF1711/226GE	MBF1711/226GEH	1-1/2 x 2	1.39	3.65	1.21
MBF17211/46GE	MBF17211/46GEH	2 x 1-1/4	0.77	3.39	1.48
MBF17211/26GE	MBF17211/26GEH	2 x 1-1/2	1.29	3.90	1.83
MBF17226GE	MBF17226GEH	2 x 2	1.24	3.94	1.04

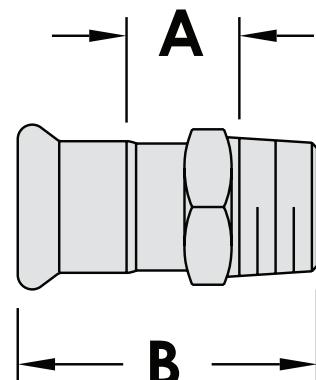


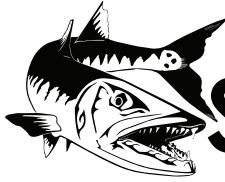


## Male Adapter

Press x MPT

Part Number	EPDM	HNBR	Size	Dimensions		Weight lbs
			Inches	A	B	
MBF181/21/26GE	MBF181/21/26GEH	MBF181/21/26GEH	1/2 x 1/2	0.78	2.21	0.15
MBF181/23/46GE	MBF181/23/46GEH	MBF181/23/46GEH	1/2 x 3/4	0.80	2.30	0.20
MBF181/216GE	MBF181/216GEH	MBF181/216GEH	1/2 x 1	0.81	2.44	0.34
MBF183/41/26GE	MBF183/41/26GEH	MBF183/41/26GEH	3/4 x 1/2	0.81	2.35	0.22
MBF183/43/46GE	MBF183/43/46GEH	MBF183/43/46GEH	3/4 x 3/4	0.83	2.43	0.22
MBF183/416GE	MBF183/416GEH	MBF183/416GEH	3/4 x 1	0.83	2.56	0.29
MBF183/411/46GE	MBF183/411/46GEH	MBF183/411/46GEH	3/4 x 1-1/4	0.91	2.66	0.52
MBF1813/46GE	MBF1813/46GEH	MBF1813/46GEH	1 x 3/4	0.83	2.52	0.28
MBF18116GE	MBF18116GEH	MBF18116GEH	1 x 1	0.83	2.64	0.32
MBF18111/46GE	MBF18111/46GEH	MBF18111/46GEH	1 x 1-1/4	0.91	2.74	0.52
MBF18111/26GE	MBF18111/26GEH	MBF18111/26GEH	1 x 1-1/2	0.91	2.74	0.58
MBF1811/416GE	MBF1811/416GEH	MBF1811/416GEH	1-1/4 x 1	0.98	2.97	0.47
MBF1811/411/46GE	MBF1811/411/46GEH	MBF1811/411/46GEH	1-1/4 x 1-1/4	0.98	2.97	0.57
MBF1811/411/26GE	MBF1811/411/26GEH	MBF1811/411/26GEH	1-1/4 x 1-1/2	0.98	2.95	0.62
MBF1811/23/46GE	MBF1811/23/46GEH	MBF1811/23/46GEH	1-1/2 x 3/4	0.91	2.78	0.55
MBF1811/216GE	MBF1811/216GEH	MBF1811/216GEH	1-1/2 x 1	0.91	2.90	0.62
MBF1811/211/46GE	MBF1811/211/46GEH	MBF1811/211/46GEH	1-1/2 x 1-1/4	0.91	2.92	0.55
MBF1811/211/26GE	MBF1811/211/26GEH	MBF1811/211/26GEH	1-1/2 x 1-1/2	0.91	2.92	0.64
MBF18211/26GE	MBF18211/26GEH	MBF18211/26GEH	2 x 1-1/2	0.90	3.48	0.94
MBF18226GE	MBF18226GEH	MBF18226GEH	2 x 2	0.98	3.82	1.04





# StainlessPress®

IsoTubi-USA, By Merit Brass Co.

**MERIT**  
**BRASS**  
DIRECTING THE FLOW OF *Quality*

## Three Piece Ball Valve

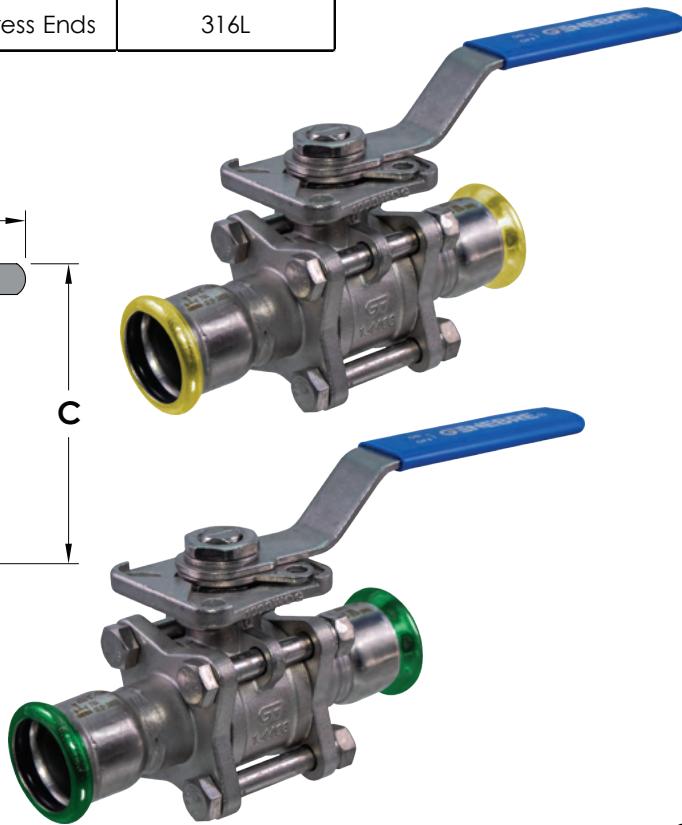
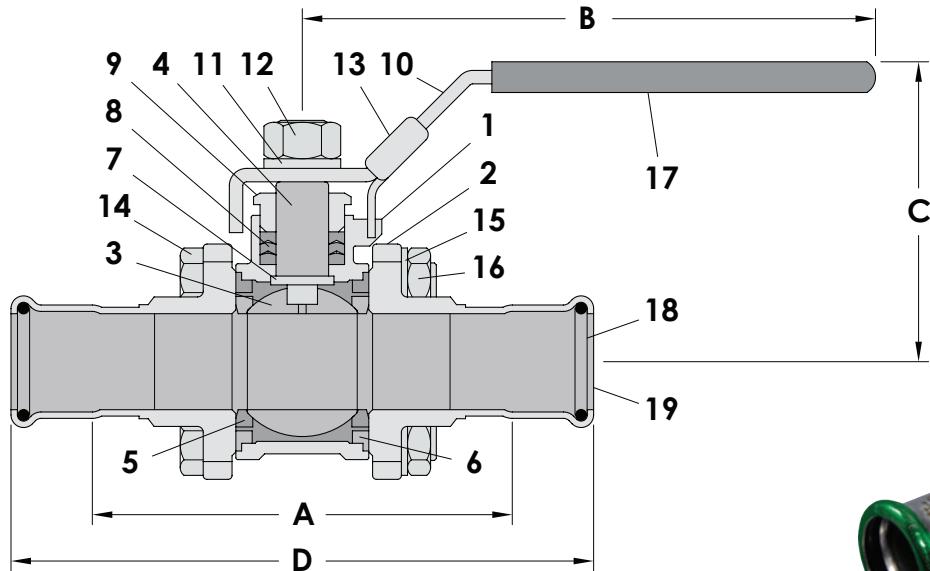
Press x Press

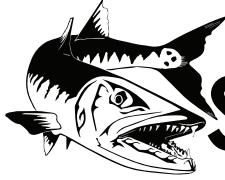
Part Number		Size	Dimensions				Weight lbs
EPDM	HNBR	Nominal	A	B	C	D	
MBF311/26GE	MBF311/26GEH	1/2	2.82	4.26	2.44	4.49	1.24
MBF313/46GE	MBF313/46GEH	3/4	3.50	5.31	2.68	5.39	1.73
MBF3116GE	MBF3116GEH	1	3.86	5.30	2.75	5.90	2.46
MBF3111/46GE	MBF3111/46GEH	1-1/4	4.17	6.30	3.35	6.53	5.90
MBF3111/26GE	MBF3111/26GEH	1-1/2	4.72	7.87	3.54	7.13	5.93
MBF3126GE	MBF3126GEH	2	5.35	8.27	3.94	8.89	8.48

NO.	PART NAME	MATERIAL
1	Body	ASTM A351-C8M
2	Cap	ASTM A351-C8M
3	Ball	ASTM A351-C8M
4	Stem	ASTM A276-316
5	Ball Seat	PTFE/RTFE
6	Body Seal	PTFE/RTFE
7	Thrust Washer	PTFE/RTFE
8	Packing	PTFE/RTFE
9	Gland Nut	AISI 304
10	Handle	AISI 304

NO.	PART NAME	MATERIAL
11	Spring Washer	AISI 304
12	Nut	AISI 304
13	Latch Lock	AISI 304
14	Bolt	AISI 304
15	Spring Washer	AISI 304
16	Nut	AISI 304
17	Handle Sleeve	PVC
18	O-Ring	EPDM, Nitrile, Fluoroelastomer
19	G-Press Ends	316L

**Operating Pressure:** 300 PSI (20.7 bar)





# StainlessPress®

IsoTubi-USA, By Merit Brass Co.

## NOTES

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