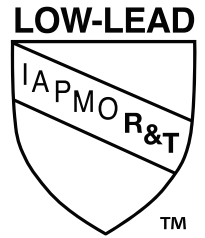


316L Stainless Steel Press Fittings Submittal Sheet



Certified to NSF/ANSI 61-G & 372

Merit's line of Stainless Steel Press Fittings are available in sizes 1/2" through 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 ANSI Class 125/150, PN 10/16, and BS 10 Table E 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.

Our brand of IsoTubi-USA Stainless Steel Press Fittings use a three-step [installation](#) process: cutting and deburring the pipe; marking and inserting the 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.

These 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 316L stainless steel and are available with a variety of O-Ring seals, making them suitable for use in numerous applications such as HVAC, plumbing, municipal, and industrial installations.

IsoTubi-USA brand fittings also incorporate a unique o-ring seal design 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 o-ring compresses to make the joint leak-proof. An improperly pressed fitting allows a leak path for liquids and gases, thereby enabling an installer to identify the incorrectly installed fittings easily. The Leak-Before-Press feature significantly reduces the change of improper joints, helping to ensure a leak-free system. Learn about more benefits and features [here](#).

PROJECT INFORMATION	APPROVAL STAMP
Project:	<input type="checkbox"/> Approved
Address:	<input type="checkbox"/> Approved As Noted
Contractor:	<input type="checkbox"/> Not Approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

316L Stainless Steel Press Fittings Submittal Sheet



MATERIAL SPECIFICATIONS

FITTING HOUSING:

Stainless Steel per ANSI 316L 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.

O-RING SPECIFICATIONS:

O-ring style gasket is resistant to hot water, ageing and additives commonly used in drinking water. EPDM and Nitrile are certified to all requirements of NSF/ANSI 61, Annex G and NSF/ANSI 372.

EPDM O-Ring (Black color code), Grade "E"

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

Recommended for hot water, dilute acids, alkalis, oil free air and many chemical services.

Excellent oxidation resistance.

NOT FOR USE WITH HYDROCARBONS.

Nitrile O-Ring (Gray color code), Grade "T"

-13°F to 230°F (Service Temperature Range) (-25°C to 110°C)

Recommended for petroleum products, vegetable oils, mineral oils and air with oils.

NOT FOR USE IN HOT WATER OR HOT AIR.

Fluoro-Elastomer O-Ring (Green color code), Grade "O"

-22°F to 300°F (Service Temperature Range) (-30°C to 149°C)

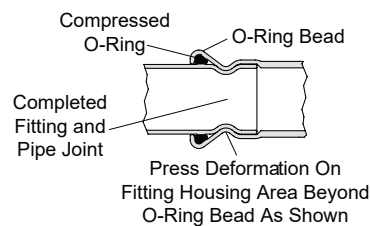
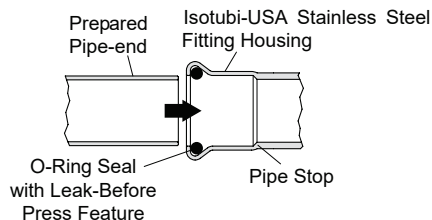
Recommended for oxidizing acids, petroleum products, hydraulic fluids, lubricants, halogenated hydrocarbons.

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.

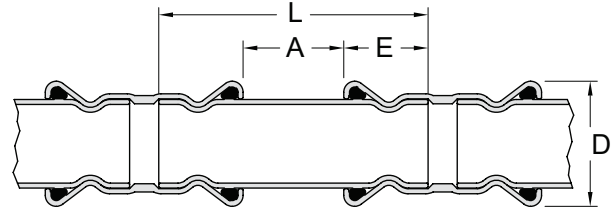
ISOTUBI USA STAINLESS STEEL SYSTEM AGENCY APPROVALS					
Fitting Type	Figure No.	Thread Type/Bolt Pattern	O-Ring Material	IAPMO	NSF
Non - threaded Fittings	EPDM: P6E11, P6ENS11, P6EPPP, P6EWA, P6EFP1, P6E1, P6EFP2, P6E2, P6E16, P6E3PA, P6EPPP, P6EPPP, P6EFP12 NBR: P6N11, P6NNS11, P6NPPP, P6NWA, P6NFP1, P6N1, P6NFP2, P6N2, P6N16, P6N3PA, P6NPPF, P6NPPP, P6NFP12	N/A	EPDM	Y	Y
			Nitrile	Y	Y
			Fluoroelastomer	N	N
Threaded Fittings	EPDM: P6EPMA, P6EPPF, P6EPFA NBR: P6NPMA, P6NPPF6, P6NPPFA	ISO 7R/7-1 RP	EPDM	Y	Y
			Nitrile	Y	Y
		ANSI/ASME B.1.20.1	EPDM	Y	Y
			Nitrile	Y	Y
Flange Adapters	EPDM: P6EVSF, P6EPAF NBR: P6NVSF, P6NPAF	ANSI 125/250	EPDM	Y	Y
			Nitrile	Y	Y
		DIN PN16, Table E	Fluoroelastomer	N	N
			EPDM	N	N
Other Fittings	EPDM: P6ETG NBR: P6NTG	N/A	EPDM	Y	Y
			Nitrile	Y	Y
			Fluoroelastomer	N	N



As shown in the drawings above, the IsoTubi-USA Stainless Steel O-Ring Seal 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 change of improper joints, helping to ensure a leak-free system.

316L Stainless Steel Press Fittings Submittal Sheet

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.

Merit's Stainless Steel Press 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 for pipe tolerance specifications. Consult local authority having jurisdiction for additional requirements.

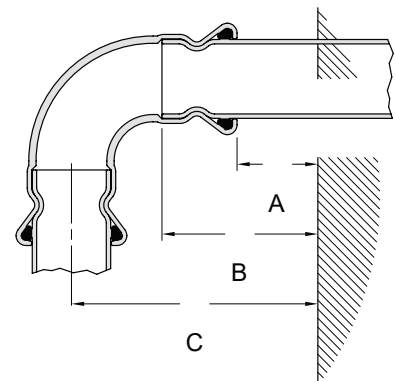
The IsoTubi-USA brand Stainless Steel Press Fittings can be suspended on hangers, brackets, or other supports with the maximum vertical and horizontal spacing as indicated in the Pipe Tolerance and Hanger Supports table. Details by pipe manufacturers or application requirements may specify additional hanging requirements.

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

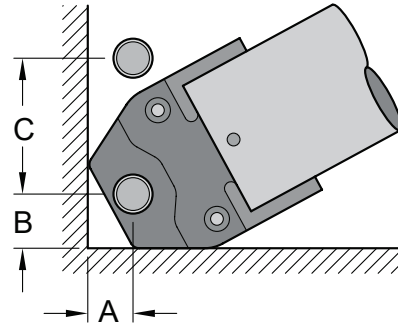
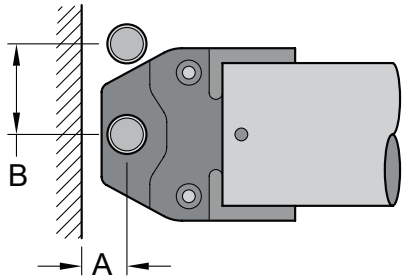
For locations where there is insufficient access to accommodate the pressing tool, consider prefabricating the pipework or using an alternate joining solution. Tables below show the minimum clearances required for wall and corner installations.

MINIMUM FITTING DISTANCES					
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



316L Stainless Steel Press Fittings Submittal Sheet



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

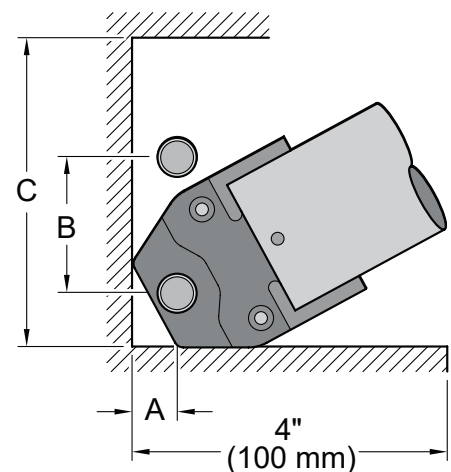
* Loop-Type Jaw clearances
Dimensions may vary based on pressing tool. Refer to pressing tool manufacturer's instructions for specific dimensions.
See page 11 for installation instructions .

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 11 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

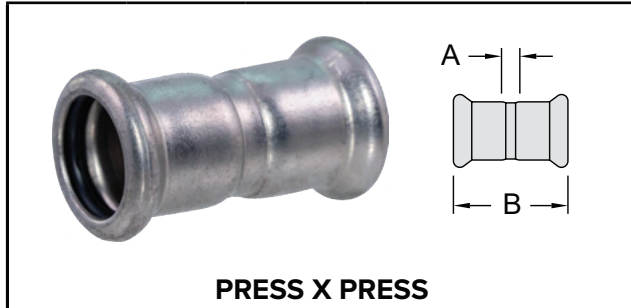
* Loop-Type Jaw clearances
Dimensions may vary based on pressing tool. Refer to pressing tool manufacturer's instructions for specific dimensions.
See page 11 for installation instructions.



316L Stainless Steel Press Fittings Submittal Sheet



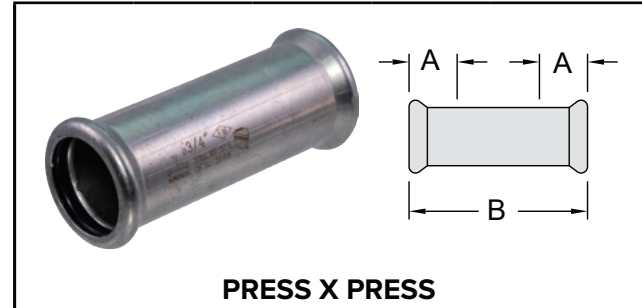
STRAIGHT COUPLING (P6E11)



PRESS X PRESS

PIPE SIZE		DIMENSIONS		APPROX. WT. EA.
Nominal Size	O.D.	A	B	
1/2	0.840	0.42	2.09	0.13
3/4	1.050	0.44	2.33	0.18
1	1.315	0.43	2.48	0.23
1 1/4	1.660	0.71	3.07	0.32
1 1/2	1.900	0.43	2.84	0.40
2	2.375	0.50	4.05	0.74

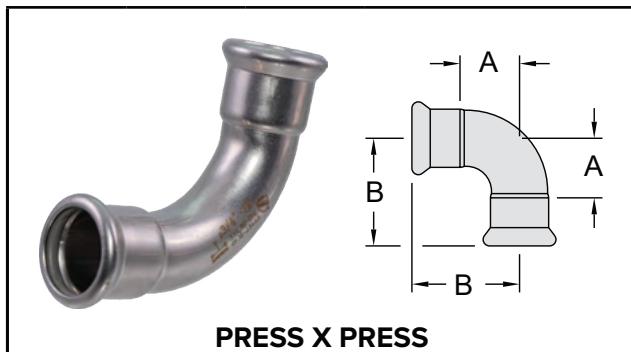
SLIP COUPLING (P6ENS11)



PRESS X PRESS

PIPE SIZE		DIMENSIONS		APPROX. WT. EA.
Nominal Size	O.D.	A	B	
1/2	0.840	0.83	2.95	0.18
3/4	1.050	0.95	3.40	0.25
1	1.315	1.02	3.83	0.34
1 1/4	1.660	1.18	4.49	0.46
1 1/2	1.900	1.20	4.81	0.63
2	2.375	1.77	6.76	1.13

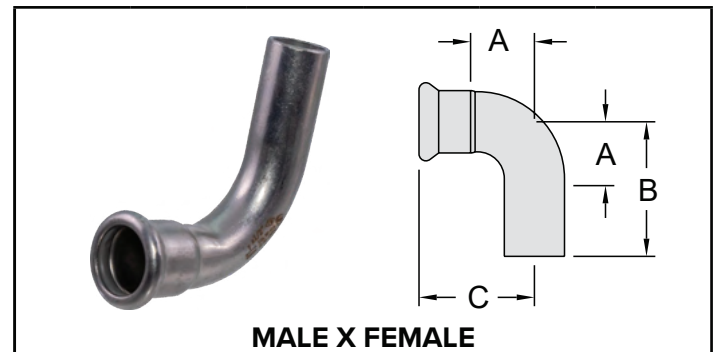
90° ELBOW (P6E1)



PRESS X PRESS

PIPE SIZE		DIMENSIONS		APPROX. WT. EA.
Nominal Size	O.D.	A	B	
1/2	0.840	1.57	2.41	0.22
3/4	1.050	1.89	2.84	0.33
1	1.315	2.37	3.40	0.48
1 1/4	1.660	2.21	3.39	0.56
1 1/2	1.900	2.56	3.76	0.79
2	2.375	3.23	5.00	1.39

90° ELBOW (P6EFP1)



MALE X FEMALE

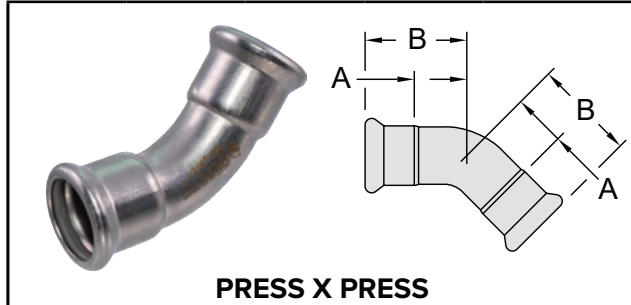
PIPE SIZE		DIMENSIONS			APPROX. WT. EA.
Nominal Size	O.D.	A	B	C	
1/2	0.840	1.57	2.87	2.41	0.13
3/4	1.050	1.89	3.27	2.84	0.33
1	1.315	2.37	3.82	3.40	0.37
1 1/4	1.660	2.21	3.9	3.39	0.57
1 1/2	1.900	2.48	4.06	3.69	0.77
2	2.375	3.23	5.52	5.00	1.34

Notes:

See page 2 for Merit's Stainless Steel Press Specifications.
Refer to page 11 for installation instructions.

316L Stainless Steel Press Fittings Submittal Sheet

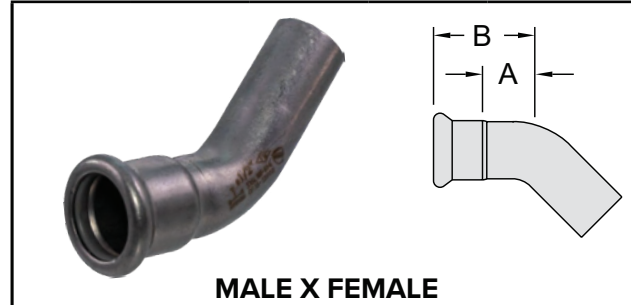
45° ELBOW (P6E2)



PRESS X PRESS

PIPE SIZE		DIMENSIONS		APPROX. WT. EA.
Nominal Size	O.D.	A	B	
1/2	0.840	0.79	1.62	0.18
3/4	1.050	0.90	1.85	0.24
1	1.315	1.13	2.14	0.37
1 1/4	1.660	1.18	2.23	0.50
1 1/2	1.900	1.17	2.37	0.59
2	2.375	1.48	3.24	1.06

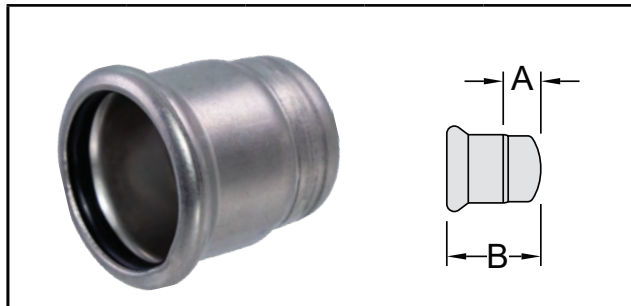
45° ELBOW (P6EFP2)



MALE X FEMALE

PIPE SIZE		DIMENSIONS		APPROX. WT. EA.
Nominal Size	O.D.	A	B	
1/2	0.840	0.79	1.62	0.20
3/4	1.050	0.90	1.85	0.26
1	1.315	1.13	2.14	0.37
1 1/4	1.660	1.18	2.23	0.51
1 1/2	1.900	1.17	2.37	0.60
2	2.375	1.48	3.24	1.06

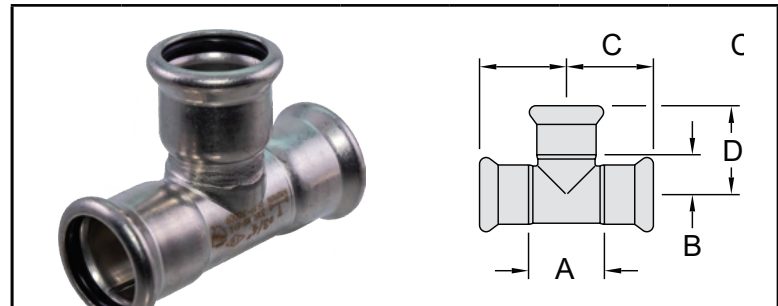
END CAP (P6E16)



FEMALE PRESS

PIPE SIZE		DIMENSIONS		APPROX. WT. EA.
Nominal Size	O.D.	A	B	
1/2	0.840	0.72	1.56	0.09
3/4	1.050	0.79	1.74	0.13
1	1.315	0.83	1.85	0.18
1 1/4	1.660	0.85	2.03	0.22
1 1/2	1.900	0.95	2.15	0.33
2	2.375	1.14	2.91	0.55

EQUAL TEES (P6EPPP)



PRESS X PRESS X PRESS

PIPE SIZE		DIMENSIONS				APPROX. WT. EA.
Nominal Size	O.D.	A	B	C	D	
1/2	0.840	1.28	0.80	1.48	1.64	0.24
3/4	1.050	1.50	0.92	1.70	1.87	0.33
1	1.315	1.78	1.07	1.91	2.09	0.46
1 1/4	1.660	2.13	1.20	2.25	2.38	0.59
1 1/2	1.900	3.19	1.42	2.80	2.63	0.84
2	2.375	3.22	1.61	3.39	3.39	1.48

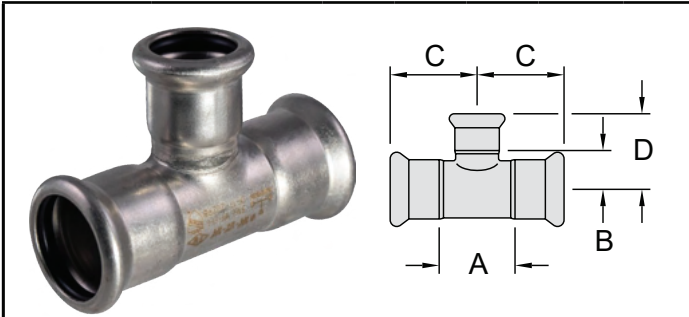
Notes:

See page 2 for Merit's Stainless Steel Press Specifications.
Refer to page 11 for installation instructions.

316L Stainless Steel Press Fittings Submittal Sheet



REDUCING TEES (P6EPPP)

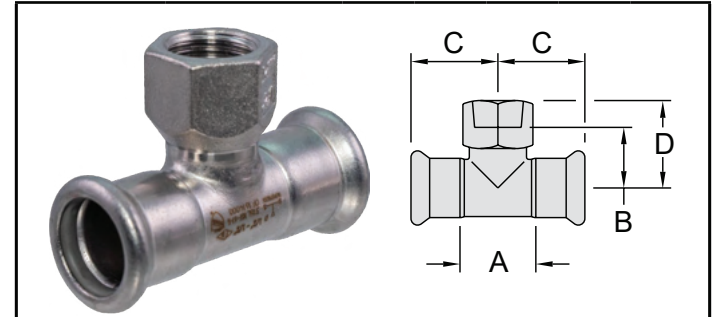


PRESS X PRESS X PRESS

PIPE SIZE		DIMENSIONS				APPROX. WT. EA.
Nominal Size	O.D.	A	B	C	D	
¾ x ¾ x ½	1.050 x 1.050 x 0.840	1.50	0.91	1.70	1.74	0.31
1 x 1 x ½	1.315 x 1.315 x 0.840	1.78	1.06	1.91	1.89	0.40
1 x 1 x ¾	1.315 x 1.315 x 1.050	1.78	1.07	1.91	2.02	0.42
1½ x 1½ x ½	1.900 x 1.900 x 0.840	3.19	1.35	2.80	2.19	0.79
1½ x 1½ x ¾	1.900 x 1.900 x 1.050	2.40	1.37	2.80	2.31	0.81
1½ x 1½ x 1	1.900 x 1.900 x 1.315	3.19	1.42	2.80	2.45	0.84
1½ x 1½ x 1¼	1.900 x 1.900 x 1.660	3.19	1.42	2.80	2.60	0.88
2 x 2 x ½	2.375 x 2.375 x 0.840	3.22	1.60	3.39	2.44	1.17
2 x 2 x ¾	2.375 x 2.375 x 1.050	3.22	1.62	3.39	2.56	1.19
2 x 2 x 1	2.375 x 2.375 x 1.315	3.22	1.61	3.39	2.62	1.23
2 x 2 x 1¼	2.375 x 2.375 x 1.660	3.22	1.65	3.38	2.84	1.27
2 x 2 x 1½	2.375 x 2.375 x 1.900	3.22	1.61	3.39	2.82	1.32

Notes:
See page 2 for Merit's Stainless Steel Press Specifications.
Refer to page 11 for installation instructions.

TEE & REDUCING TEE ADAPTERS (P6EPPF)

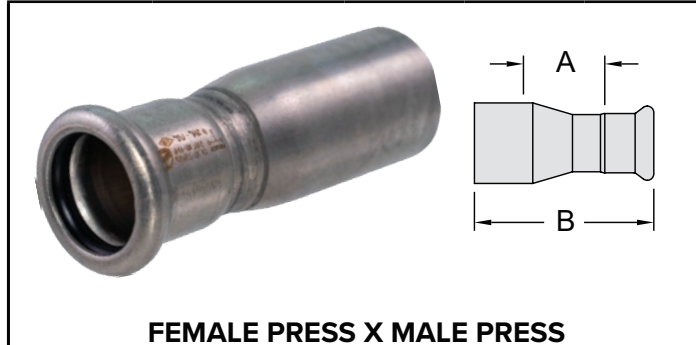


PRESS X PRESS X FEMALE NPT

PIPE SIZE		DIMENSIONS				APPROX. WT. EA.
Nominal Size	O.D.	A	B	C	D	
½ x ½ x ½	0.840 x 0.840 x 0.840	1.28	0.93	1.48	1.52	0.26
½ x ½ x ¾	0.840 x 0.840 x 1.050	1.28	1.30	1.48	1.84	0.37
¾ x ¾ x ½	1.050 x 1.050 x 0.840	1.50	1.04	1.70	1.63	0.33
¾ x ¾ x ¾	1.050 x 1.050 x 1.050	1.50	1.27	1.70	1.81	0.40
¾ x ¾ x 1	1.050 x 1.050 x 1.315	1.50	1.29	1.70	1.97	0.46
1 x 1 x ½	1.315 x 1.315 x 0.840	1.78	1.19	1.91	1.78	0.42
1 x 1 x ¾	1.315 x 1.315 x 1.050	1.78	1.42	1.91	1.96	0.48
1 x 1 x 1	1.315 x 1.315 x 1.315	1.78	1.23	1.92	2.01	0.65
1 x 1 x 1¼	1.315 x 1.315 x 1.660	1.78	1.59	1.92	2.43	0.91
1¼ x 1¼ x 1¼	1.660 x 1.660 x 1.660	2.13	1.67	2.24	2.51	1.00
1½ x 1½ x ½	1.900 x 1.900 x 0.840	3.19	1.48	2.80	2.07	0.85
1½ x 1½ x ¾	1.900 x 1.900 x 1.050	3.19	1.71	2.80	2.25	0.91
1½ x 1½ x 1	1.900 x 1.900 x 1.315	3.19	1.59	2.80	2.27	1.03
1½ x 1½ x 1½	1.900 x 1.900 x 1.900	3.19	1.74	2.80	2.58	1.27
2 x 2 x ½	2.375 x 2.375 x 0.840	3.22	1.73	3.39	2.32	1.19
2 x 2 x ¾	2.375 x 2.375 x 1.050	3.22	1.96	3.39	2.50	1.26
2 x 2 x 1	2.375 x 2.375 x 1.315	3.22	1.84	3.39	2.52	1.32
2 x 2 x 2	2.375 x 2.375 x 2.375	3.22	2.14	3.39	3.19	1.90

316L Stainless Steel Press Fittings Submittal Sheet

REDUCER (P6EFP12)



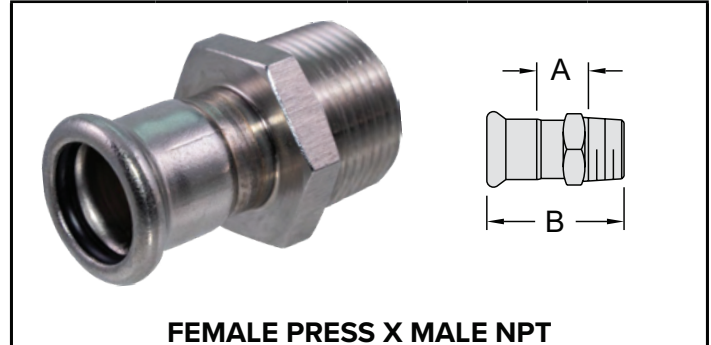
FEMALE PRESS X MALE PRESS

PIPE SIZE		DIMENSIONS		APPROX. WT. EA.
Nominal Size	O.D.	A	B	
3/4 x 1/2	1.050 x 0.840	1.21	3.04	0.18
1 x 1/2	1.315 x 0.840	1.30	3.19	0.28
1 x 3/4	1.315 x 1.510	1.75	3.76	0.26
1 1/4 x 1/2	1.600 x 0.840	0.72	3.32	0.27
1 1/4 x 3/4	1.660 x 1.050	1.00	3.25	0.26
1 1/4 x 1	1.660 x 1.315	0.84	3.52	0.31
1 1/2 x 1/2	1.900 x 0.840	1.15	3.42	0.33
1 1/2 x 3/4	1.900 x 1.050	1.60	3.55	0.55
1 1/2 x 1	1.900 x 1.315	2.03	4.25	0.37
1 1/2 x 1 1/4	1.900 x 1.660	0.85	4.11	0.44
2 x 1/2	2.375 x 0.840	1.62	4.23	0.53
2 x 3/4	2.375 x 1.050	1.59	4.34	0.35
2 x 1	2.375 x 1.315	1.55	4.37	0.57
2 x 1 1/4	2.375 x 1.660	0.88	4.58	0.63
2 x 1 1/2	2.375 x 1.900	1.79	4.77	0.70

Notes:

See page 2 for Merit's Stainless Steel Press Specifications. Refer to page 11 for installation instructions.

STRAIGHT CONNECTOR (P6EPMA)

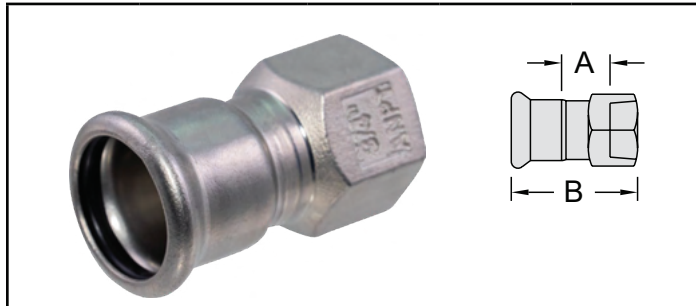


FEMALE PRESS X MALE NPT

PIPE SIZE		DIMENSIONS		APPROX. WT. EA.
Nominal Size	O.D.	A	B	
1/2 x 1/2	0.840 x 0.840	0.78	2.21	0.15
1/2 x 3/4	0.840 x 1.050	0.80	2.30	0.20
1/2 x 1	0.840 x 1.315	0.87	2.44	0.34
3/4 x 1/2	1.050 x 0.840	0.81	2.35	0.22
3/4 x 3/4	1.050 x 1.050	0.81	2.34	0.22
3/4 x 1	1.050 x 1.315	0.87	2.56	0.29
3/4 x 1 1/4	1.050 x 1.660	0.91	2.66	0.52
1 x 3/4	1.315 x 1.050	0.83	2.52	0.28
1 x 1	1.315 x 1.315	0.83	2.64	0.32
1 x 1 1/4	1.315 x 1.660	0.91	2.74	0.52
1 x 1 1/2	1.315 x 1.900	0.90	2.74	0.58
1 1/4 x 1	1.660 x 1.315	0.91	2.89	0.47
1 1/4 x 1 1/4	1.660 x 1.660	0.91	2.89	0.57
1 1/4 x 1 1/2	1.660 x 1.900	0.91	2.87	0.62
1 1/2 x 3/4	1.900 x 1.050	0.91	2.78	0.55
1 1/2 x 1	1.900 x 1.315	0.91	2.90	0.62
1 1/2 x 1 1/4	1.900 x 1.660	0.90	2.92	0.55
1 1/2 x 1 1/2	1.900 x 1.900	0.90	2.92	0.64
2 x 1 1/2	2.375 x 1.900	0.90	3.48	0.94
2 x 2	2.375 x 2.375	0.98	3.78	1.04

316L Stainless Steel Press Fittings Submittal Sheet

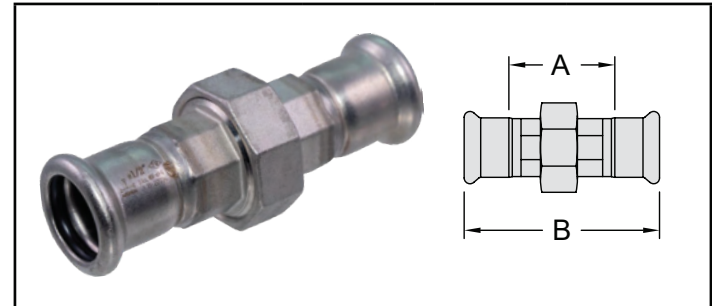
STRAIGHT CONNECTOR (P6EPFA)



FEMALE PRESS X FEMALE XPT

PIPE SIZE		DIMENSIONS		APPROX. WT. EA.
Nominal Size	O.D.	A	B	
1/2 x 1/2	0.840 x 0.840	0.66	2.17	0.28
1/2 x 3/4	0.840 x 1.050	0.92	2.44	0.28
1/2 x 1	0.840 x 1.315	0.89	2.56	0.43
3/4 x 1/2	1.050 x 0.840	0.84	2.47	0.32
3/4 x 3/4	1.050 x 1.050	0.70	2.45	0.28
3/4 x 1	1.050 x 1.315	0.66	2.59	0.43
3/4 x 1 1/4	1.050 x 1.660	1.08	3.03	0.72
1 x 1/2	1.315 x 0.840	0.86	2.56	0.50
1 x 3/4	1.315 x 1.050	0.86	2.56	0.43
1 x 1	1.315 x 1.315	0.72	2.56	0.43
1 x 1 1/4	1.315 x 1.660	1.10	2.97	0.69
1 x 1 1/2	1.315 x 1.900	1.05	3.13	0.80
1 1/4 x 1/2	1.660 x 0.840	0.86	2.72	0.81
1 1/4 x 1	1.660 x 1.315	0.78	2.72	0.63
1 1/4 x 1 1/4	1.660 x 1.660	0.85	2.87	0.74
1 1/4 x 1 1/2	1.660 x 1.900	0.80	3.03	0.69
1 1/2 x 1	1.900 x 1.315	1.01	3.06	1.26
1 1/2 x 1 1/4	1.900 x 1.660	0.66	2.70	0.63
1 1/2 x 1 1/2	1.900 x 1.900	0.80	3.05	0.64
1 1/2 x 2	1.900 x 2.375	1.39	3.65	1.21
2 x 1 1/4	2.375 x 1.660	0.77	3.39	1.48
2 x 1 1/2	2.375 x 1.900	1.20	3.90	1.83
2 x 2	2.375 x 2.375	1.18	3.94	1.04

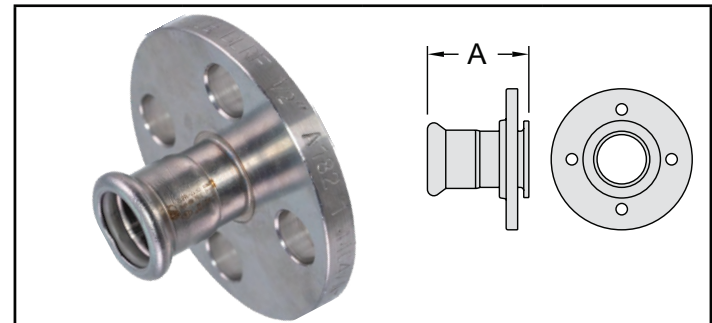
THREE PIECE UNION (P6E3PA)



PRESS X PRESS

PIPE SIZE		DIMENSIONS		APPROX. WT. EA.
Nominal Size	O.D.	A	B	
1/2	0.840	2.35	4.02	0.62
3/4	1.050	2.64	4.54	0.82
1	1.315	2.72	4.76	0.97
1 1/4	1.660	3.22	5.59	1.93
1 1/2	1.900	3.88	6.29	2.36
2	2.375	4.72	8.26	3.70

VAN STONE FLANGE ADAPTER (P6EVSF)



PRESS X PRESS

PIPE SIZE		DIMENSION		APPROX. WT. EA.
Nominal Size	O.D.	A		
1/2	0.840	3.07		0.93
3/4	1.050	3.19		1.39
1	1.315	3.27		1.84
1 1/4	1.660	3.47		2.40
1 1/2	1.900	3.44		2.98
2	2.375	4.53		4.79

Flange material is AISI 304 and the body is AISI 316.

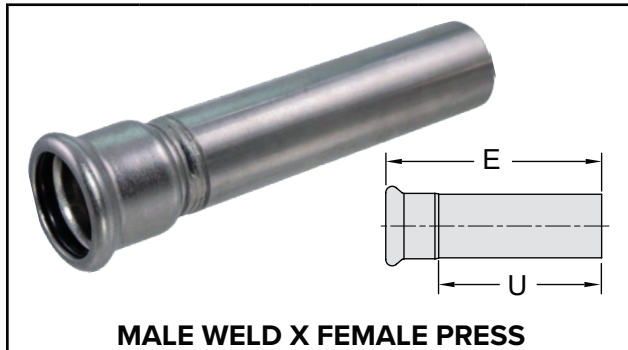
Notes:

See page 2 for Merit's Stainless Steel Press Specifications. Refer to page 11 for installation instructions.

316L Stainless Steel Press Fittings Submittal Sheet



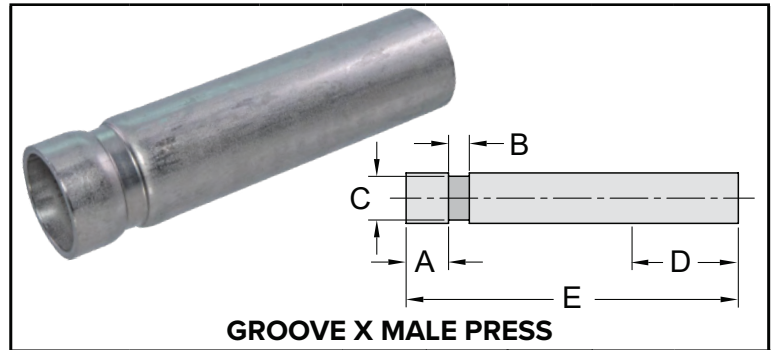
WELD ADAPTER (P6EWA)



MALE WELD X FEMALE PRESS

PIPE SIZE		DIMENSIONS		APPROX. WT. EA.
Nominal Size	O.D.	E	U	
1/2	0.840	5.13	4.00	0.25
3/4	1.050	5.27	4.00	0.33
1	1.315	5.34	4.00	0.42
1 1/4	1.660	5.50	4.32	0.52
1 1/2	1.900	5.52	4.00	0.65
2	2.375	6.09	4.00	0.92

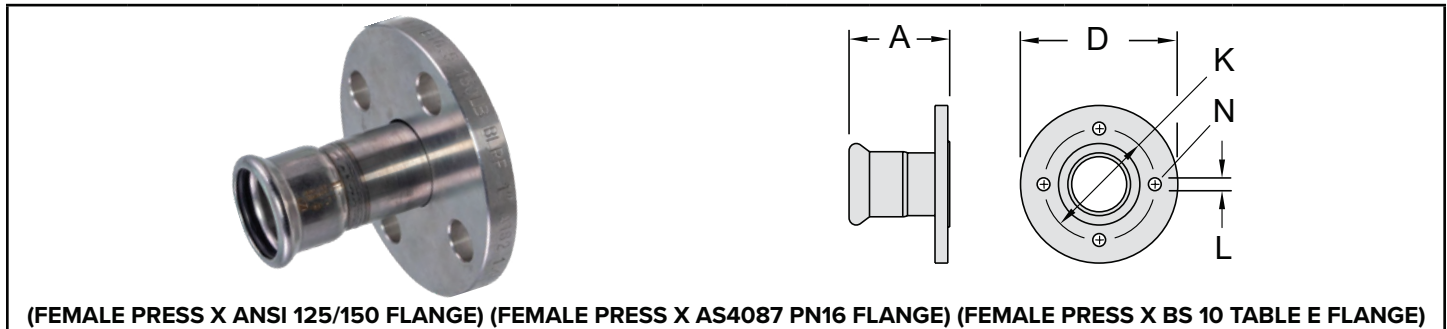
TRANSITON NIPPLE (P6ETG)



GROOVE X MALE PRESS

PIPE SIZE		DIMENSIONS						APPROX. WT. EA.
Nominal Size	O.D.	A	B	C	D	E		
3/4	1.050	0.625	0.313	0.938	1.57	4.94	0.32	
1	1.315	0.625	0.313	1.190	1.18	5.02	0.42	
1 1/4	1.660	0.625	0.313	1.54	1.57	5.12	0.67	
1 1/2	1.900	0.625	0.313	1.775	1.57	5.20	0.64	
2	2.375	0.625	0.313	2.250	2.36	5.77	0.87	

FLANGE ADAPTER (P6EPAF)



(FEMALE PRESS X ANSI 125/150 FLANGE) (FEMALE PRESS X AS4087 PN16 FLANGE) (FEMALE PRESS X BS 10 TABLE E FLANGE)

PIPE SIZE		ANSI 125/150 FLANGE ADAPTER DIMENSIONS				AS4087 PN 16 FLANGE ADAPTER DIMENSIONS				BS10 TABLE E FLANGE ADAPTER DIMENSIONS				APPROX. WT. EA.
Nominal Size	O.D.	A	D	K	L BOLT HOLES (4-HOLES)	A	D	K	L BOLT HOLES (4-HOLES)	A	D	K	L BOLT HOLES (4-HOLES)	
1/2	0.840	1.85	3.50	2.37	0.62	1.85	3.74	2.56	0.55	1.85	3.75	2.64	0.55	0.90
3/4	1.050	1.050	2.23	3.94	0.62	2.20	4.13	2.95	0.55	2.20	3.94	2.87	0.55	1.30
1	1.315	2.52	4.33	3.13	0.62	2.52	4.52	3.35	0.55	2.52	4.53	3.27	0.55	1.83
1 1/4	1.660	2.32	4.53	3.5	0.62	NA	NA	NA	NA	2.32	4.72	3.42	0.55	2.10
1 1/2	1.900	3.40	4.92	3.87	0.62	2.48	5.90	4.33	0.71	2.48	5.31	3.86	0.71	3.03
2	2.375	4.71	5.91	4.75	0.75	3.46	6.50	4.92	0.71	3.46	5.91	4.49	0.71	4.91

Flange material is AISI 304 and the body is AISI 316.

Notes:

See page 2 for Merit's Stainless Steel Press Specifications.
Refer to page 11 for installation instructions.

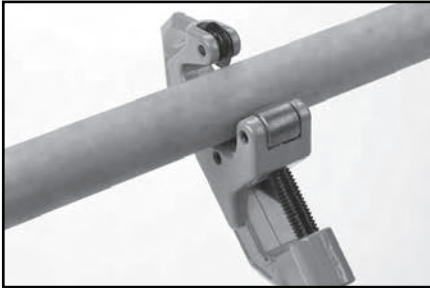
316L Stainless Steel Press Fittings Submittal Sheet



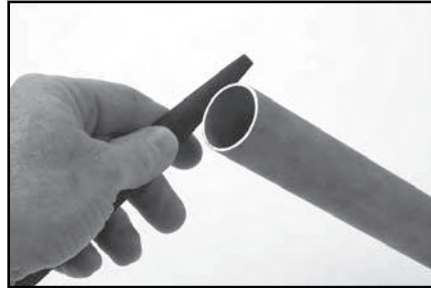
INSTALLATION

Merit's brand of IsoTubi-USA Stainless Steel Press Fittings 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. Always refer to the pressing tool manufacturer's instructions for operation and maintenance prior to use with IsoTubi-USA Stainless Steel Press Fittings.



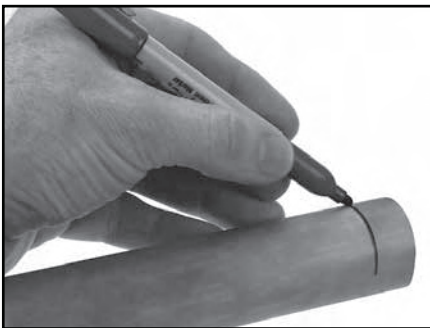
1 SELECT & CUT PIPE — Select the correct size of pipe and fitting for the job. Ensure that both are clean and free from damage and imperfections. Cut pipe squarely, making sure to avoid jagged edges or scratching and denting pipe surface.



2 DEBURR PIPE — De-burr 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 FITTING — Check the Press fittings 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.



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 below. Tools are powered with a rechargeable battery. Each tool has a unique set of easily interchangeable jaws/collars for each pipe size.

PRESSING TOOLS	
Milwaukee's M18 Force Logic Long Throw Press Tool	
Associated jaws and rings for SS type M applications for each	

5 INSERT PIPE INTO FITTING — Insert the pipe until it contacts the pipe stop of the fitting. With the fitting on the pipe, the insertion mark should be visible.

The Figure 408 Slip Coupling does not have a pipe stop and must be centered between the pipe ends. However, the minimum pipe insertion depth must be maintained and marked.

6 VERIFY TOOL & JAW — Using an approved Pressing Tool from 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.

7 POSITION TOOL AND SQUEEZE TRIGGER — Position the Tool Jaws on the raised surface of the fitting, 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.

8 REMOVE TOOL FROM FITTING & INSPECT — Release the trigger and remove the Jaw from the fitting. Inspect the connection to make sure the fitting insertion mark is in the appropriate place.

INSERTION MARK LOCATION	
NOMINAL PIPE SIZE	INSERTION MARK DISTANCE
½	0.875
¾	1.000
1	1.063
1¼	1.16
1½	1.250
2	1.813

Every precaution has been taken in preparing this sheet. Merit Brass Company cannot be held responsible for omissions or typographical errors.