



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

The Model 7181 Universal Reducing Flange Adapter provides for a rigid transition between a flanged piping system and a one or two-size reduced grooved system without the use of a concentric reducer. The flange drilling can mate to ANSI 125/150, PN10/16, BS-10E and JIS 10K.

Shurjoint Model 7181 pressure ratings conform to the working pressure of the coupling used to join the system.

For Fire Protection pressure rating, listing, and approval information, refer to Data Sheet B-42 or visit www.shurjoint.com for details or contact Shurjoint.

DIMENSIONS

NOMINAL SIZE	PIPE O.D.	L	X	Z	Y: FLANGE DRILLING			D	BOLT		WEIGHT
					ANSI 125 / 150	PN 10 / 16	JIS 10K		DIA.	NO.	
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm		lb kg	
3 x 2 80 x 50	3.500 x 2.375 88.9 x 60.3	2.95 75.0	8.19 208.0	0.63 16.0	8.00 152	6.30 160	5.90 150	2.000 60.3	5/8 M16	8	5.95 2.70
4 x 2-1/2 100 x 65	4.500 x 2.875 114.3 x 73.0	3.00 76.0	8.88 225.5	0.63 16.0	7.52 191	7.09 180	6.89 175	2.875 73.0	5/8 M16	8	8.80 4.00
100 x 76.1 mm	4.500 x 3.000 114.3 x 76.1	3.00 76.0	8.88 225.5	0.63 16.0	7.52 191	7.09 180	6.89 175	3.000 76.1	5/8 M16	8	8.80 4.00
	4 x 3 100 x 80	4.500 x 3.500 114.3 x 88.9	2.95 75.0	8.88 225.5	0.63 16.0	7.50 191	7.09 180	3.000 88.9	5/8 M16	8	7.61 3.45
6 x 4 150 x 100	6.625 x 4.500 168.3 x 114.3	2.95 75.0	11.46 291.0	0.95 24.0	9.50 241	9.45 240	9.45 240	4.000 114.3	3/4 M20	8	15.61 7.08

MATERIAL SPECIFICATIONS

FITTING BODY:

- Ductile Iron to ASTM A536, Gr. 65-45-12 and or ASTM A395, Gr. 65-45-15, min. tensile strength 65,000 psi (448 MPa).

SURFACE FINISH:

- Standard painted finishes in orange or RAL3000 red.
- Hot dip zinc galvanized (option).
- Epoxy coated in red RAL3000 or other colors (option).

GENERAL NOTES

- Maximum Working Pressure (CWP) listed is the maximum cold water pressure for general piping services tested to ASTM F1476 and or AWWA C606 methods. Figures listed are based on roll- or cut-grooved standard wall carbon steel pipe. For other pipe schedules or pipe materials, contact Shurjoint for additional information.
- Max. End Load is calculated based on the maximum working pressure (CWP).
- Listed and or Approved Pressures are pressure ratings for fire protection systems, tested and approved by various approval bodies. Please always refer to the latest approval data posted on the Shurjoint website.
- Field Joint Test: For one time only the system may be tested hydrostatically at 1.5 times the maximum working pressure listed (AWWA C606 5.2.3).
- Warning: Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- The 10 Year Limited Warranty applies to manufacturing defects only and does not cover severe service/temperature applications or wear parts.
- Shurjoint reserves the right to change specifications, designs and or standard without notice and without incurring any obligations.