

## A512 FLANGE ADAPTER



For pressure rating, listing, and approval information, refer to data sheet or visit SHURJOINT website [www.shurjoint.com](http://www.shurjoint.com) for details or contact your SHURJOINT representatives.

The Model A512 Flange Adapter provides for the direct connection between AWWA ductile iron radius pipe grooves and flanged components. The two-part flange features integral closure tabs to aide in assembly.

Note: Like with other flange adapters, the A512 requires a sufficient smooth flat mating area for proper sealing. Please refer to the below notes.

### notes



#### Gasket Insertion:

Make sure that the bottom of the gasket (the making side) is positioned and seated against the bottom of the flange recess.

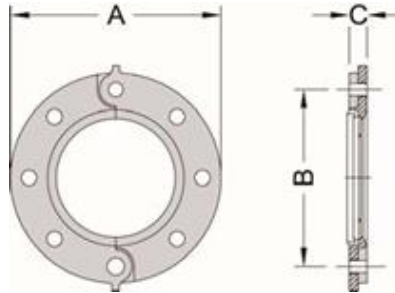


**CAUTION**

The Model A512 flanges shall not be used as anchor points for tie-rods across non-restrained joints. Do not use Model A512 flanges within 90 degrees of one another on a standard fitting when the outside dimensions cause interference.

### material specification

- **Housing:**  
Ductile Iron to ASTM A536, Gr. 65-45-12, min. tensile strength 65,000 psi (448 MPa).
- **Surface Finish:**  
Painted black.
  - Hot dip zinc galvanized (optional).
  - Others upon request.
- **Rubber Gasket:**  
Grade "M" Halogenated Butyl (Color code: Brown stripe). Maximum Temperature Range: -20°F (-29°C) to +200°F (+93°C) Recommended for water service within the specified temperature range plus a variety of dilute acids, oil-free air, and many chemical services. UL classified in accordance with NSF/ANSI 61 and NSF/ANSI 372 for cold and hot water +180°F (+82°C) potable water service. Not recommended for petroleum services.
- **Standard Hex Bolts & Nuts:**  
Plated hex bolts conforming to ASTM A307 with hex nuts (2 nuts and bolts are supplied). Bolts and nuts for the flange connection to be supplied by installer.



MODEL A512 Flange Adapter

AWWA D. I. Pipe		Max. Working Pressure (CWP)*	Max. End Load (CWP)	Bolt		Dimensions			Weight
Nominal Size	Pipe O.D.			No.	Size	A	B	C	
in	in	psi	lbf			in	in	in	lbs
mm	mm	bar	kN			mm	mm	mm	kg
3	3.96	250	3100	4	5/8 x 3	7.50	6.00	1.10	8.6
80	100.6	17	13.80			190	152	28	3.9
4	4.80	250	4500	8	5/8 x 3	9.00	7.50	1.10	9.9
100	121.9	17	20.03			229	191	28	4.5
6	6.90	250	9300	8	3/4 x 3 1/2	11.00	9.49	1.10	12.0
150	175.3	17	41.39			279	241	28	5.4
8	9.05	250	16000	8	3/4 x 3 1/2	13.50	11.75	1.22	18.9
200	229.9	17	71.20			343	298	31	8.6
10	11.10	250	23700	12	7/8 x 4	16.00	14.25	1.26	25.3
250	281.9	17	105.47			406	362	32	11.5
12	13.20	250	34000	12	7/8 x 4	19.00	17.00	1.26	34.4
300	335.3	17	151.30			483	432	32	15.6

\* Pressure ratings listed are based on radius cut-grooved Thickness Class 53 or higher pipe.

General note

- 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 1/2 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.