

H312 HDPE FLANGE ADAPTER



For pressure rating, listing, and approval information, refer to data sheet or visit SHURJOINT website www.shurjoint.com for details or contact your SHURJOINT representatives.

The Shurjoint Model H312 HDPE flange adapter provides for the direct transition from HDPE pipe or fittings to ANSI class 125 or 150 flanged components. The H312 can be rotated for fast and easy bolt alignment prior to tightening. The gasket seals both on the outside of the pipe and to the flange face providing a leak-tight seal when secured in place.



H312 HDPE Flange Adapter should always be installed so that the coupling bolt pads make metal to metal contact.

Shurjoint HDPE couplings are not intended for use on PVC, PP or other materials.

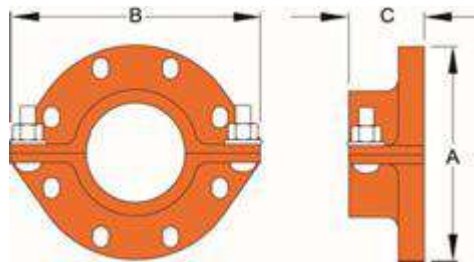


Shurjoint recommends the use of a silicone-based lubricant for the HDPE series. Do not use the *Shurjoint* standard lubricant, which is designed for steel pipe use. Do not use hydrocarbon-based oils, grease or soap based solutions either as this could lead join failure.

material specification

- **Housing:**
Ductile Iron to ASTM A536, Gr. 65-45-12, min. tensile strength 65,000 psi (448 MPa).
- **Surface Finish:**
Orange color painted or red RAL3000 color painted.
 - Electro-zinc plated (Option).
 - Epoxy Coatings in RAL3000 red or other colors (Option)

- **Rubber Gasket:**
Grade "E" EPDM (Color code: Green stripe) Good for cold & hot water up to +230°F (+110°C). Also good for services for water with acid, water with chlorine or chloramines, deionized water, seawater and waste water, dilute acids, oil-free air and many chemicals.
Not recommended for petroleum oils, minerals oils, solvents and aromatic hydrocarbons.
Maximum Temperature Range: -29°F (-34°C) to +230°F (+110°C)*.
*EPDM gaskets for water services are not recommended for steam services unless couplings or components are accessible for frequent gasket replacement.
 - Other options: Grade "T" - Nitrile
Grade "O" - Fluoroelastomer.
Grade "L" - Silicone
- **Draw Bolts & Nuts (Factory supplied):**
Heat treated carbon steel track bolts to ASTM A183 Gr. 2, zinc electroplated with heavy-duty hex nuts to ASTM A563. (Flange bolts and nuts are to be prepared by installer.)
- **Washers:**
Carbon steel to ASTM A36, ISO 3574. Gr. A. Large size washer to ISO 7089, DIN 25 or JIS B 1256 - 1978. Zinc Plated to ISO 4042 or JIS B1044. Hardness: HV300.



Model H312 HDPE Flange Adapter

Nominal Size	Pipe O.D.	Dimensions			Draw Bolt / Nut		Flange Bolt / Nut *		Weight
		A	B	C	No.	Size	No.	Size	
in	in	in	in	in	in		in		lbs.
mm	mm	mm	mm	mm					Kg
3	3.500	7.75	8.86	3.10	2	5/8 x 2 1/8	4	5/8	10.6
80	88.9	197	225	79	2	5/8 x 2 1/8	4	5/8	4.8
4	4.500	9.00	10.25	3.10	2	5/8 x 2 1/8	8	5/8	15.0
100	114.3	229	260	79	2	5/8 x 2 1/8	8	5/8	6.8
6	6.625	11.00	12.25	3.75	2	5/8 x 2 1/8	8	3/4	21.5
150	168.3	279	311	95	2	5/8 x 2 1/8	8	3/4	9.8
8	8.625	13.50	14.75	3.42	2	3/4 x 2 3/8	8	3/4	28.8
200	219.1	343	375	87	2	3/4 x 2 3/8	8	3/4	13.1
10	10.750	16.00	21.00	4.25	4	3/4 x 2 3/8	12	7/8	42.9
250	273.0	406	533	108	4	3/4 x 2 3/8	12	7/8	19.5
12	12.750	19.02	24.00	4.25	4	3/4 x 2 3/8	12	7/8	51.5
300	323.9	483	610	108	4	3/4 x 2 3/8	12	7/8	23.4

*Flange bolts and nuts are to be prepared by the installer.

*Working Pressure: Since the physical strength of the Shurjoint HDPE coupling is much greater than that of HDPE pipe, working pressures are governed by the working pressures of the HDPE pipe, which vary depending on pipe composition, wall thickness and service temperatures.

General note

- 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.

H312 ISO HDPE FLANGE ADAPTER



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The *Shurjoint* Model H312 ISO HDPE flange adapters provide for the direct transition from HDPE pipe or fittings to PN10/16 flanged components. The H312 ISO can be rotated for fast and easy bolt alignment prior to tightening. The gasket seals both on the outside of the pipe and to the flange face providing a leak-tight seal when secured in place.



H312 ISO HDPE Flange Adapter should always be installed so that the coupling bolt pads make metal to metal contact.

Shurjoint HDPE couplings are not intended for use on PVC, PP or other materials.

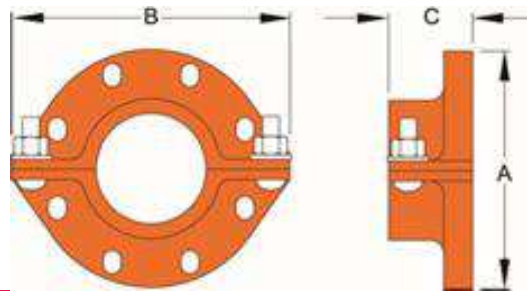


Shurjoint recommends the use of a silicone-based lubricant for the HDPE series. Do not use the *Shurjoint* standard lubricant, which is designed for steel pipe use. Do not use hydrocarbon-based oils, grease, or soap-based solutions either as this could lead joint failure.

material specification

- **Housing:**
Ductile Iron to ASTM A536, Gr. 65-45-12, min. tensile strength 65,000 psi (448 MPa).
- **Surface Finish:**
Orange color painted or red RAL3000 color painted.
 - Electro-zinc plated (Option).
 - Epoxy Coatings in RAL3000 red or other colors (Option)

- **Rubber Gasket:**
Grade "E" EPDM (Color code: Green stripe) Good for cold & hot water up to +230°F (+110°C). Also good for services for water with acid, water with chlorine or chloramines, deionized water, seawater and waste water, dilute acids, oil-free air and many chemicals.
Not recommended for petroleum oils, minerals oils, solvents and aromatic hydrocarbons.
Maximum Temperature Range: -29°F (-34°C) to +230°F (+110°C)*.
*EPDM gaskets for water services are not recommended for steam services unless couplings or components are accessible for frequent gasket replacement.
 - Other options: Grade "T" - Nitrile
Grade "O" - Fluoroelastomer.
Grade "L" - Silicone
- **Draw Bolts & Nuts (Factory supplied):**
Heat treated carbon steel track bolts to ASTM A183 Gr. 2, zinc electroplated with heavy-duty hex nuts to ASTM A563. (Flange bolts and nuts are to be prepared by installer.)
- **Washers:**
Carbon steel to ASTM A36, ISO 3574. Gr. A. Large size washer to ISO 7089, DIN 25 or JIS B 1256 - 1978. Zinc Plated to ISO 4042 or JIS B1044. Hardness: HV300.



Model H312 ISO HDPE Flange Adapter

Nominal Size	Pipe O.D.	Dimensions			Draw Bolt / Nut		Flange Bolt / Nut*		Weight
		A	B	C	No.	Size	No.	Size	
mm	mm	mm	mm	mm		mm		mm	kg
63	60.3	165	197	79	2	M16 x 54	4	M16	4.3
90	88.9	200	241	79	2	M16 x 54	8	M16	4.8
110	114.3	220	260	79	2	M16 x 54	8	M16	6.8
160	165.1	285	330	82	2	M20 x 60	8	M20	9.8
200	219.1	340	400	108	2	M20 x 60	12 (PN 16)	M20	13.1
250	273.0	405	533	108	4	M24 x 100	12	M24	19.5
315	323.9	460	587	108	4	M24 x 100	12	M24	28.5

*Flange bolts and nuts are to be prepared by the installer.

*Working Pressure: Since the physical strength of the Shurjoint HDPE couplings is much greater than HDPE pipe, working pressures are governed by the working pressures of the HDPE pipe, which vary depending on pipe composition, wall thickness and service temperatures.

General note

- Field Joint Test: For one time only, the system may be tested hydrostatically at 1½ 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.