

H307 HDPE TRANSITION COUPLING

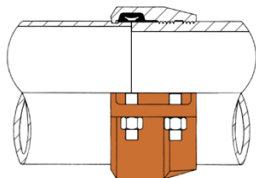


For pressure rating, listing, and approval information, refer to data sheet or visit SHURJOINT website www.shurjoint.com for details or contact your SHURJOINT representatives.

The Shurjoint Model H307 HDPE transition coupling provides for a fast, easy and direct transition from HDPE pipe and or fittings to grooved end steel pipe (IPS). The H307 couplings feature a four bolt housing, a combination of sharply machined teeth, and a key section to form a leak-tight seal when secured to both pipes. Like the H305 the H307 also features a contoured housing with integral ramps along the outside diameter.



H307 HDPE Transition Couplings should always be installed so that the coupling bolt pads make metal to metal contact.



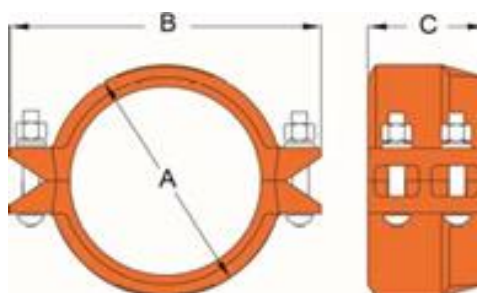
Shurjoint HDPE couplings are not intended for use on PVC, PP or other materials.

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:**
Standard painted finishes in orange or RAL3000 red.
 - 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: -30°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.
- For additional details contact Shurjoint.
- **Bolts & Nuts:**
Heat treated carbon manganese steel track bolts to ASTM A449-83a (or A183 Gr. 2), minimum tensile strength 110,000 psi(758 MPa), Zinc electroplated, with heavy-duty hexagonal nuts to ASTM A563.
 - **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 H307 HDPE Transition Coupling

Nominal Size	Pipe O.D.	Dimensions			Bolts		Weight
		A	B	C	No.	Size	
in	in	in	in	in		in	lbs.
mm	mm	mm	mm	mm			Kg
2	2.375	3.39	5.79	3.11	4	$\frac{1}{2} \times 2\frac{3}{8}$	4.4
50	60.3	86	147	79			2.0
3	3.500	4.49	6.89	3.11	4	$\frac{1}{2} \times 3$	5.9
80	88.9	114	175	79			2.7
4	4.500	5.75	8.23	3.74	4	$\frac{1}{2} \times 3$	8.4
100	114.3	146	209	95			3.8
6	6.625	8.00	11.02	3.74	4	$\frac{5}{8} \times 3\frac{1}{2}$	12.5
150	168.3	203	280	95			5.7
8	8.625	10.51	13.46	4.25	4	$\frac{5}{8} \times 3\frac{1}{2}$	21.3
200	219.1	267	342	108			9.7
10	10.750	12.64	16.69	5.00	4	$\frac{3}{4} \times 4\frac{3}{4}$	35.2
250	273.0	321	424	127			16.0
12	12.750	14.76	19.02	5.00	4	$\frac{3}{4} \times 4\frac{3}{4}$	43.1
300	323.9	375	483	127			19.6

*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 $1\frac{1}{2}$ 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.

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H307 ISO HDPE TRANSITION COUPLING

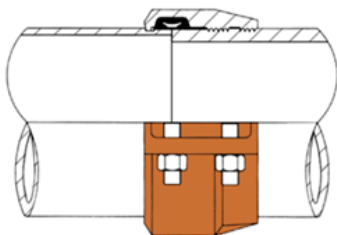


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H307 ISO HDPE Transition Couplings should always be installed so that the coupling bolt pads make metal to metal contact.



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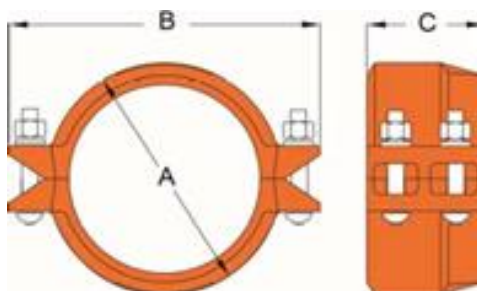
Shurjoint recommends the use of a silicone-based lubricant for the HDPE series. Do not use the *Shurjoint* standard lubricant, which is designed for steel pipe use. Do not use hydrocarbon-based oils, grease, or soap-based solutions either as this could lead join failure.



CAUTION

material specification

- **Housing:**
Ductile Iron to ASTM A536 Gr. 65-45-12, min. tensile strength 65,000 psi (448MPa).
- **Surface Finish:**
Standard painted finishes in orange or RAL3000 red.
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- **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: -30°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
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- **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 H307 ISO HDPE Transition Coupling

Pipe O.D.		Dimensions			Bolts		Weight
HDPE	IPS	A	B	C	No.	Size	
mm	mm	mm	mm	mm		in	Kg
63.0	60.3	86	146	73	4	M10 x 55	1.5
75.0	73.0	97	159	73	4	M10 x 55	1.9
90.0	88.9	114	178	73	4	M12 x 75	2.3
110.0	114.3	144	203	76	4	M12 x 75	2.8
160.0	165.1	194	254	76	4	M12 x 97	6.2
160.0	168.3	198	257	76	4	M12 x 97	6.2
200.0	219.1	256	321	85	4	M16 x 90	6.4
250.0	273.0	321	394	97	4	M20 x 120	11.9
315.0	323.9	375	451	97	4	M20 x 120	12.7

*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.