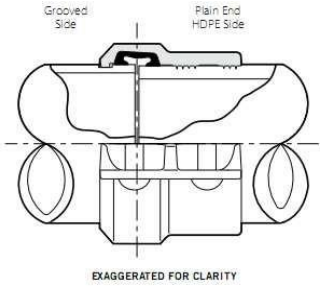
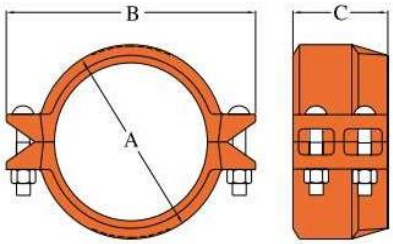
HDPE Transition Couplings







Mechanical HDPE transition fittings are an ideal solution to join high density polyethylene pipe with grooved steel pipe.These HDPE transition fittings offer a light, easy to handle design with sharp, well-defined teeth for maximum penetration and grip. Engineered to satisfy the working pressure of DR 7.3 to DR 32.5.

DIMENSIONS

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Bolt Size	Dimensions mm/in			Approx.Weight kgs
			No.-Size mm	A	B	C	
50 2	60.3 2.375	300 2.07	3/8X55*4	84 3.307	146 5.748	78 3.071	1.49
80 3	88.9 3.500	300 2.07	1/2X75*4	112 4.409	174 6.850	79 3.110	2.16
100 4	114.3 4.500	300 2.07	1/2X75*4	142 5.591	208 8.189	95 3.740	3.11
150 6	168.3 6.625	300 2.07	5/8X85*4	198 7.795	280 11.024	96 3.800	5.04
200 8	219.1 8.625	300 2.07	5/8X85*4	260 10.236	342 13.465	107 4.213	7.82
250 10	273 10.748	300 2.07	3/4X120*4	314 12.362	424 16.693	128 5.039	13.07
300 12	323.9 10.748	300 2.07	3/4X120*4	368 14.488	470 18.504	129 5.079	21.92

MATERIAL SPECIFICATION

Couplings: Ductile iron conforming to ASTM A-536, grade 65-45-12.

Housing Coating: Paint orange

- **Optional**: Paint red

Coupling Gasket:

- **EPDM:** Temperature range -34℃ to +150℃. Recommended for hot water service within the specified temperature range plus a variety of dilute acids,oil-free air and many chemical services. NOT RECOMMENDED FOR PETROLEUM SERVICES.

- **Nitrile Rubber**: Temperature range -29℃ to +82℃. Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. NOT RECOMMENDED FOR HOT WATER SERVICES OVER +150°F/+66℃ OR FOR HOT DRY AIR OVER +140°F/+60℃.

Bolts/Nuts: Carbon steel bolts and flanges nuts, ISO 898-1class 8.8

INSTALLATION



MARKING: Use a marking pen or other marking tool and measuring tape to place marks on each pipe end, 1" from each end.



GASKET MOUNTING: Place a gasket over the pipe ends and center the gasket in between the marks*. The pipe ends should always be butted against each other.



HOUSING MOUNTING: Place the housings over gasket and insert bolts. Then apply nuts finger tight.



NUT TIGHTENING: Tighten the nuts alternatively until the housing bolt pads meet metal to metal.

WARRANTY

Refer to the Warranty section of the current Price List or contact 100TONG for details.

NOTE

This product shall be manufactured by 100TONG or to 100TONG specifications. All products to be installed in accordance with current 100TONG installation/assembly instructions. 100TONG reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.