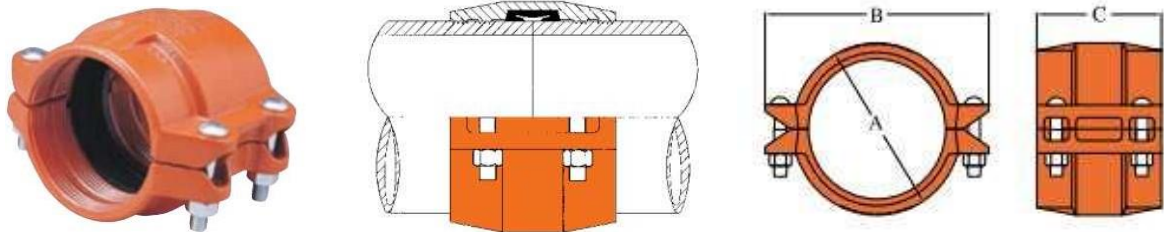


## HDPE COUPLING



Mechanical HDPE couplings offer a cost-effective, fast and easy way to join high density polyethylene pipe and fittings. These couplings 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<br>2            | 60.3<br>2.375   | 300<br>2.07              | 1/2X60*4    | 83<br>3.268      | 120<br>4.724  | 116<br>4.570 | 1.96               |
| 63                 | 63.6            | 300<br>2.07              | 3/8X55*4    | 89<br>3.504      | 116<br>4.567  | 105<br>4.134 | 1.56               |
| 80<br>3            | 88.9<br>3.500   | 300<br>2.07              | 1/2X75*4    | 114<br>4.488     | 166<br>6.535  | 118<br>4.646 | 3.21               |
| 110                | 111.0           | 300<br>2.07              | 1/2X75*4    | 137<br>5.394     | 180<br>7.087  | 110<br>4.331 | 3.24               |
| 100<br>4           | 114.3<br>4.500  | 300<br>2.07              | 1/2X75*4    | 143<br>5.630     | 201<br>7.913  | 147<br>5.788 | 4.24               |
| 160                | 161.1           | 300<br>2.07              | 1/2X75*4    | 188<br>7.402     | 235<br>9.252  | 118<br>4.646 | 4.61               |
| 150<br>6           | 168.3<br>6.625  | 300<br>2.07              | 5/8X85*4    | 202<br>7.953     | 252<br>9.921  | 150<br>5.906 | 6.45               |
| 200<br>8           | 219.1<br>8.625  | 300<br>2.07              | 5/8X85*4    | 258<br>10.157    | 320<br>12.600 | 152<br>5.984 | 9.31               |
| 250                | 252.3           | 300<br>2.07              | 5/8X100*4   | 288<br>11.339    | 350<br>13.780 | 141<br>5.551 | 10.84              |
| 250<br>10          | 273<br>10.748   | 300<br>2.07              | 3/4X100*4   | 313<br>12.323    | 390<br>15.354 | 165<br>6.496 | 14.17              |
| 300<br>12          | 323.9<br>10.748 | 300<br>2.07              | 3/4X100*4   | 367<br>14.449    | 455<br>17.913 | 183<br>7.205 | 18.42              |

### 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°C to +150°C. 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°C to +82°C. 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°C OR FOR HOT DRY AIR OVER +140°F/+60°C.**

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.