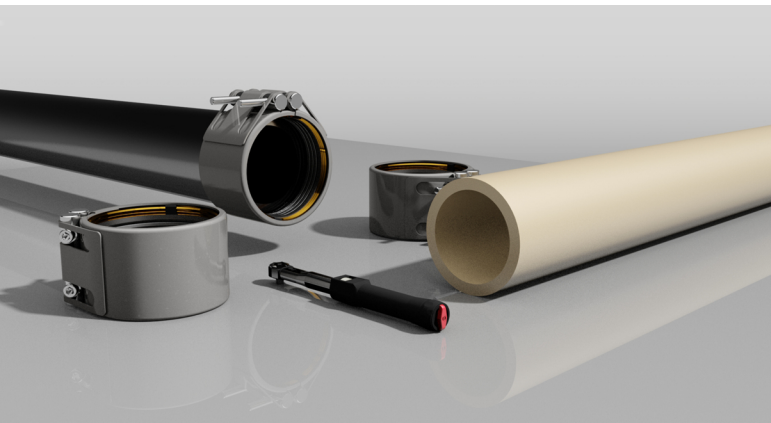


The Teekay Plastlock coupling is the easiest way to join plastic pipes together; designed and engineered to make a permanent connection.

Incorporating the Teekay multiple seal gasket, the design concept has been followed through to the pipe anchoring mechanism itself, which is also constructed with three progressive anchor rings. These rings permanently hold and lock the two pipes together.

The progressive anchoring design features a single element at each end of the coupling, incorporating three individual pipe anchor rings at staggered heights. This allows for a dynamic locking of the pipe and ensures all three rings are in contact with the pipe wall. Each anchor ring incorporates a chamber which allows the pipe wall to be increased locally around the area where each anchor ring engages with the pipe.

This increases the effectiveness of the anchor rings and allows for a permanent end restraint solution on plastic pipes.



## Material Selection

### Type I

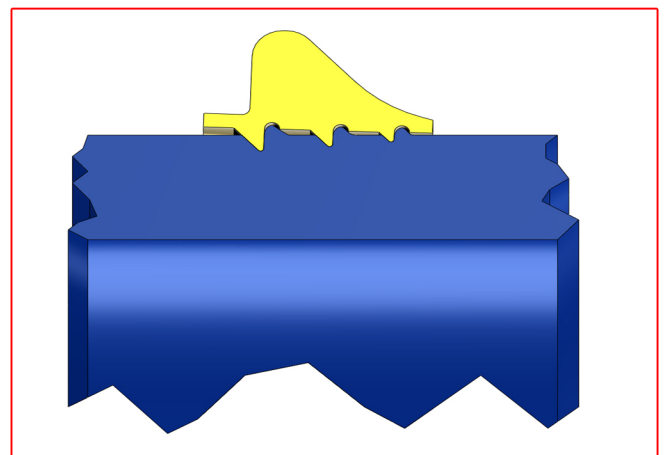
Casing: AISI 304/ DIN 1.4301  
Fasteners: Alloy Steel, PTFE Coated  
Gasket: EPDM/ NBR/ HNBR/ Silicone

### Type II

Casing: AISI 304/ DIN 1.4301  
Fasteners: AISI 316/ 316L  
Gasket: EPDM/ NBR/ HNBR/ Silicone

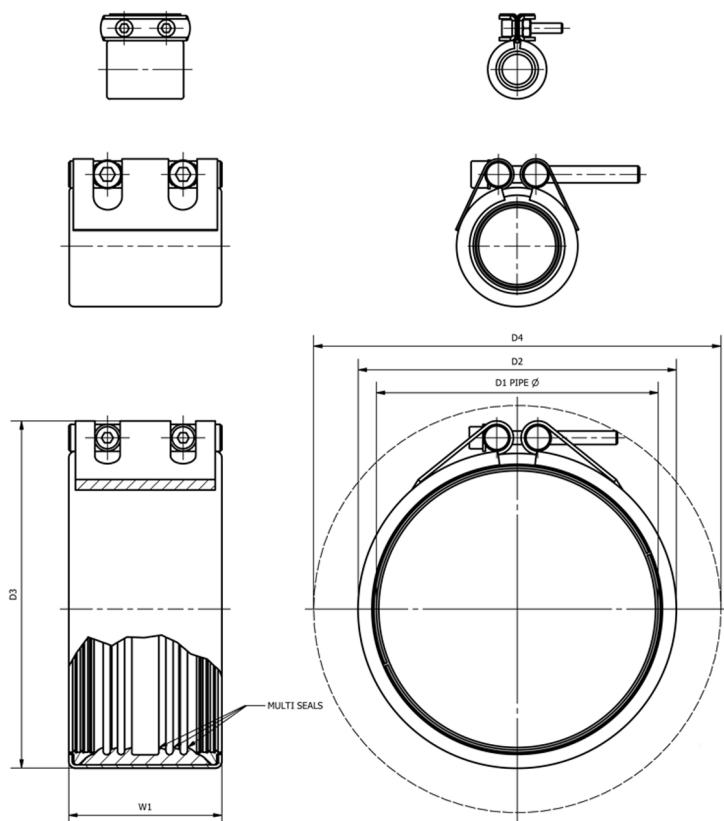
### Type IV

Casing: AISI 316L/ DIN 1.4404  
Fasteners: AISI 316/ 316L  
Gasket: EPDM/ NBR/ HNBR/ Silicone



*Anchor ring mechanism*

**Suitable pipe materials:** Polyethylene, Polybutylene, PVC-C, PVC-U, ABS, Polypropylene



DIMENSIONS TABLE

| D1 PIPE OD | O.D TOLERANCE | PN | W1  | D2  | D3  | D4  | SCREW SIZE | WEIGHT (KG) |
|------------|---------------|----|-----|-----|-----|-----|------------|-------------|
| 25         | 24.7/25.4     | 16 | 45  | 37  | 54  | 81  | 2 x M6     | 0.16        |
| 32         | 31.7/32.4     | 16 | 45  | 44  | 61  | 88  | 2 x M6     | 0.17        |
| 40         | 39.0/40.0     | 16 | 65  | 57  | 69  | 132 | 2 x M8     | 0.42        |
| 50         | 49.0/51.0     | 16 | 65  | 67  | 83  | 134 | 2 x M8     | 0.71        |
| 63         | 62.0/64.0     | 16 | 88  | 80  | 96  | 145 | 2 x M8     | 0.9         |
| 75         | 74.0/76.0     | 16 | 88  | 93  | 108 | 184 | 2 x M10    | 0.95        |
| 90         | 88.0/91.0     | 16 | 88  | 107 | 123 | 193 | 2 x M10    | 1.05        |
| 110        | 109.0/112.0   | 16 | 88  | 128 | 122 | 208 | 2 x M10    | 1.41        |
| 125        | 124.0/127.0   | 16 | 89  | 144 | 161 | 219 | 2 x M10    | 1.75        |
| 140        | 139.0/142.0   | 16 | 115 | 159 | 184 | 241 | 2 x M12    | 2.65        |
| 160        | 159.0/162.0   | 16 | 116 | 180 | 206 | 258 | 2 x M12    | 3.15        |
| 200        | 199.0/202.0   | 10 | 119 | 226 | 252 | 321 | 2 x M16    | 6.7         |
| 225        | 224.0/227.0   | 10 | 120 | 251 | 278 | 342 | 2 x M16    | 6.9         |
| 250        | 249.0/252.0   | 10 | 120 | 276 | 302 | 364 | 2 x M16    | 7.3         |
| 315        | 314.0/317.0   | 10 | 120 | 341 | 368 | 418 | 2 x M16    | 9.2         |

## NOTES:

The above tables are guides to the most common sizes. Couplings to suit specific outside diameters not listed may be manufactured to order. Please contact us for further details.

Working pressure for industrial and land-based applications. Minimum burst is 1.5 times working pressure.

Applicable Standards:

WIS-4-24-01

BS 8561: 2013