

Stepped Coupling



The Teekay Stepped coupling is a "problem-solver" on any site with the ability to join pipes of different ODs and different materials.

Typical applications:

- refurbishments (where the contractor is connecting a piping system back into the original layout)
- repairs to old water mains (where the pipe is so corroded it needs to be replaced with a new material in metric size)
- chamber connections
- pipe material transitions
- joining metallic pipe to plastic pipe

Material Selection

Type I

Casing: AISI 304 / DIN 1.4301
Fasteners: Alloy Steel, Coated
Gasket: EPDIVI/NBR/H-NBR/FKM/VIVIQ

Type II

Casing: AISI 304 / DIN 1.4301
Fasteners: AISI 316 / 316L
Gasket: EPDIVI/NBR/H-NBR/FKM/VIVIQ

Type IV

Casing: AISI 316L/ DIN 1.4404
Fasteners: AISI 316 / 316L
Gasket: EPDM/NBR/H-NBR/FKM/VMQ

Type V

Casing: High strength steel
Coating: Rilsan/PVC/
Epoxy/Galvanized
Fasteners: Alloy Steel, Coated
Gasket: EPDM/NBR/H-NBR/FKM/VMQ

Type VI

Casing: High strength steel
Coating: Rilsan/PVC/
Epoxy/Galvanized
Fasteners: AISI 316 / 316L
Gasket: EPDM/NBR/H-NBR/FKM/VMQ



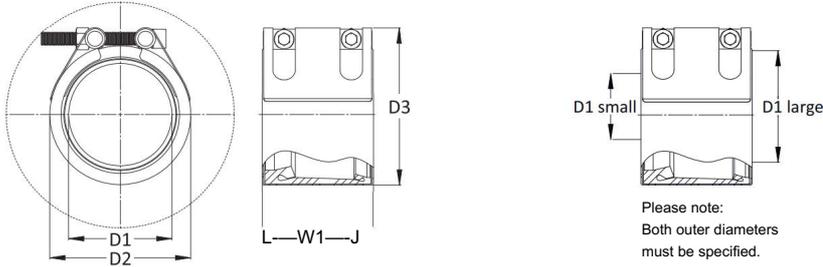
Sizes: 48.3 mm to 3000.0 mm

Gaskets: EPDM -40°C to +100°C, NBR -20°C to +80°C, HNBR -20°C to +130°C, FKM -20°C to +180°C, VMQ -70°C to +200°C (*water*), -70°C to +180°C (*steam*)

Pipe Materials: Carbon steel, cast and ductile iron, stainless steel, copper, cunifer, GRP, asbestos cement, HDPE, MDPE, PVC, uPVC, ABS

1.4462 Duplex casings and fasteners available on request.

Stepped Coupling Dimensions



Pipe O.D. (smaller pipe)	Available Coupling Widths				Maximum Step (mm)	Maximum Pressure Rating PN	No. Of Screws	Screw Size	Approximate Weight KG
	85 mm	110 mm	140 mm	210 mm					
48.3 - 56	•				+ 5	16	2	M8	1
57-72	•				+ 5	16	2	M8	1
73-82.5	•				+ 5	16	2	M8	1
83-99		•			+ 12	16	2	M10	2
100 -102		•			+ 15	16	2	M10	2
100 -127		•			+ 15	16	2	M10	2
128 -150		•			+ 15	16	2	M10	2.5
151 -186		••			+ 15 / + 20	16/16	2/2	M10/16	2.5/4
187 - 205		••			+ 15 / + 20	16/16	2/2	M10/16	2.5/4
200 - 240		••			+ 15/ + 25	16/16	2/2	M10/16	3/4.5
241 - 260		•••			+ 15/+ 25/+ 25	16/16/16	2/2/3	M10/16/16	3.5/5/8
250 - 286		•••			+ 15/ + 25/ + 25	16/16/16	2/2/3	M10/16/16	3.5/5/8.5
287 - 326		•			+ 15	10	2	M10	4
287 - 349			••		+ 25/+ 25	16/16	2/3	M16/16	6/10
350 - 399			••		+ 25/+ 25	16/16	2/3	M16/16	7/11
400 - 453			••		+ 25/ + 25	16/16	2/3	M16/16	8/13
450 - 507			••	•	+ 25/+ 25	10/16/10/16	2/3	M16/16	9/14
500 - 560			••		+ 25/ + 25	10/16/10/16	2/3	M16/16	9.5/16
561 - 667			••		+ 25/+ 25	10/16/10/16	2/3	M16/16	11/17.5
668 - 750			••		+ 25/+ 25	10/10/16	2/3	M16/16	12.5/22.5
751-850			••		+ 25/+ 25	10 / 10 / 16	2/3	M16/16	14/25
851-950			••		+25/+25	10 / 10 / 16	2/3	M16/16	16/28
951 - 1050			••		+ 25/+ 25	6/6	2/3	M16/16	17/30
1051 -1150			••		+ 25/ + 25	6/6	2/3	M16/16	18/38
1151-1250			••		+ 25/+ 25	2.5/6/2.5/6	2/3	M16/16	20/41
1251 -1350				•	+ 25	2.5/6	6	M16	48
1351 -1450				•	+ 25	2.5/6	6	M16	50.5
1451 -1550				•	+ 25	2.5/6	6	M16	53
1551 -1650				•	+ 25	2.5/6	6	M16	56.5
1651 -1750				•	+ 25	2.5/5	6	M16	60
1751 -1850				•	+ 25	2.5/5	6	M16	62.5
1851 -1950				•	+ 25	2.5/5	6	M16	65
1951 - 2050				•	+ 25	2.5/5	6	M16	68
2051 - 2150				•	+ 25	2.5/4	6	M16	71
2151-2250				•	+ 25	2.5/4	12	M16	74
2251 - 2350				•	+ 25	2.5/4	12	M16	76
2351 - 2450				•	+ 25	2.5/4	12	M16	80
2451 - 2550				•	+ 25	2.5/3	12	M16	87.5
2551 - 2650				•	+ 25	2.5/3	12	M16	93
2651 - 2750				•	+ 25	2.5/3	12	M16	96
2751 - 2850				•	+ 25	2.5/3	12	M16	99
2851 - 2950				•	+ 25	2/3	12	M16	110
2951 - 3050				•	+ 25	2/3	12	M16	121

NOTES: See Notes page 18.

The Teekay Stepped Coupling is a non-axial restraint pipe coupling type.