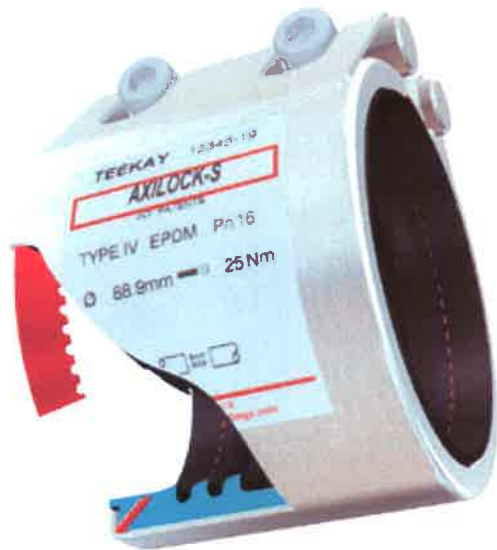


# Axilock-S and Axilock



The Teekay Axilock range is designed to replace the need for flanging, welding, pipe grooving and pipe threading by providing a quick and easy solution to joining plain-end pipe. Incorporating grip rings at each end of the fitting, the Teekay Axilock offers high levels of security by locking the pipes together under pressure. Each coupling is 100% rubber-lined, ensuring that high levels of corrosion resistance are maintained throughout the life of the coupling.

Available in single (Axilock-S) and double (Axilock) casing versions depending on pressure and diameter.

Both models are suitable for new installations and retro-fit, whether on a ship, building or process plant. The Teekay Axilock range offers a versatile pipe coupling system that accommodates angulation, vibration and vacuum.

## Material Selection

### Type I

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

### Type II

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

### Type IV

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

1.4462 Duplex casings and fasteners available on request.

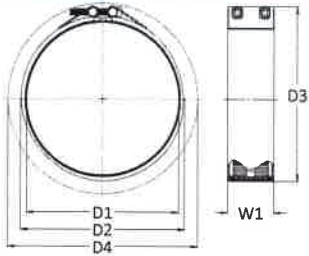




**Sizes:** 21.3mm to 711.0mm

**Temperature:** EPDM -40°C to +100°C, NBR -20°C to +80°C, HNBR -20°C to +150°C, Viton -20°C to +250°C

**Pipe Materials:** Carbon steel, stainless steel, copper, cunifer, cast and ductile iron, GRP, most plastics & other materials (see page 36).

# Axilock Dimensions



D1 Pipe O.D.	O.D. Tolerance	Working Pressure		Axial Pull	W1	D2	D3	D4	Screw Size	Hex Socket Adaptor	Weight	Box Qty
(mm)	(mm)	 (bar)	 (bar)	(N)	(mm)	(mm)	(mm)	(mm)		(mm)	KG	
141.3	140.5/143.5	16	42	100393	116	165	189	244	2 x M12	10	4.4	5
144.0	143.0/146.0	16	42	104266	116	167	192	246	2 x M12	10	4.4	4
154.0	153.0/156.0	16	42	119251	116	177	202	255	2 x M12	10	4.5	4
159.0	158.0/161.0	16	42	127120	118	184	210	287	2 x M16	14	4.6	4
165.0	164.0/167.0	16	42	136895	118	190	216	292	2 x M16	14	4.7	4
168.3	167.0/170.0	16	42	142425	118	194	219	294	2 x M16	14	4.8	4
170.0	169.0/172.0	16	42	145317	118	195	221	296	2 x M16	14	4.8	4
193.7	193.0/196.0	16	42	188860	119	220	246	315	2 x M16	14	6.5	2
219.1	218.0/221.0	16	42	241382	120	245	272	337	2 x M16	14	6.9	2
222.0	221.0/224.0	16	42	247814	120	248	275	339	2 x M16	14	6.9	2
244.5	243.5/246.5	8.75	23	164386	120	271	297	358	2 x M16	14	7.2	*
267.0	266.0/269.0	8.75	23	196033	120	293	320	378	2 x M16	14	7.5	*
273.0	272.0/275.0	8.75	23	204943	120	299	326	383	2 x M16	14	7.7	*
323.9	323.0/326.0	7.5	19	247276	120	350	377	429	2 x M16	14	9.5	*
326.0	325.0/328.0	7.5	19	250493	120	352	379	431	2 x M16	14	9.5	*
355.6	354.5/357.5	6.0	15	238437	120	382	409	458	2 x M16	14	10.25	*
378.0	377.0/380.0	6.0	15	269423	120	404	431	479	2 x M16	14	10.5	*
406.4	405.0/408.0	6.0	15	311428	120	433	460	506	2 x M16	14	12.0	*
429.0	428.0/431.0	5.0	15	289191	120	455	482	527	2 x M16	14	12.5	*
457.2	456.0/459.0	2.5	15	164230	120	485	512	554	2 x M16	14	13.3	*
508.0	507.0/510.0	2.5	15	202753	120	535	563	603	2 x M16	14	14.7	*
558.8	558.0/561.0	2.5	15	245331	120	586	613	652	2 x M16	14	16.2	*
609.6	608.5/611.5	1.5	15	175178	120	637	664	701	2 x M16	14	17.7	*
660.4	659.5/662.5	1.5	15	205591	120	688	715	750	2 x M16	14	19.2	*
711.0	710.0/713.0	1.5	15	238437	120	739	766	799	2 x M16	14	20.7	*

## 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 marine applications. Minimum burst is 4 times working pressure. Figures are based on typical values for standard wall carbon steel pipe.



Working pressure for industrial and land-based applications. Minimum burst is 1.5 times working pressure. Figures are based on typical values for standard wall carbon steel pipe.

Applicable Standards: DIN 86128 Form G  
ASTM F1476 Type II, Class 2

**Box Quantity** - Where marked \* the couplings are packed according to quantity ordered.