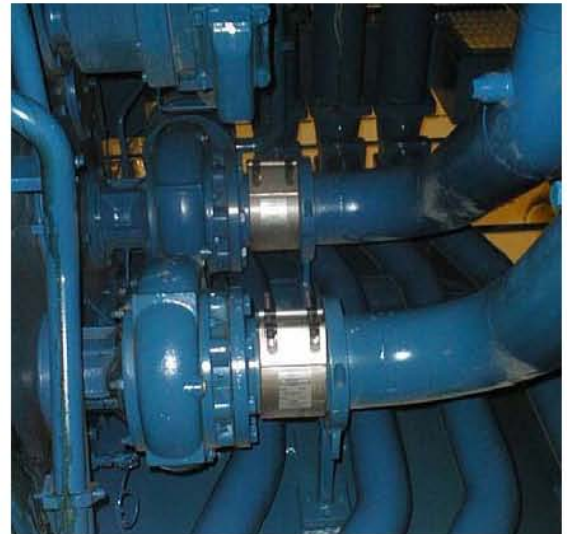




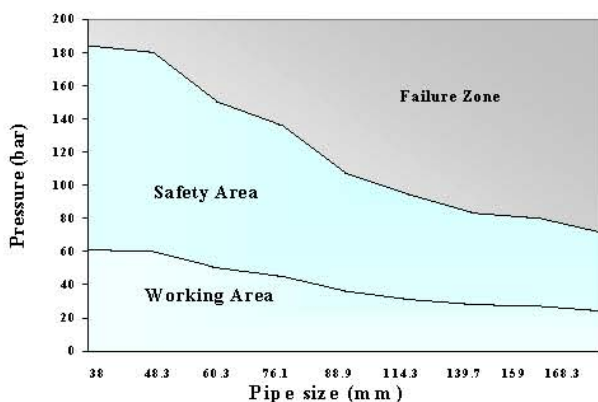
TEEKAY AXILOCK

PIPE COUPLINGS

- Ultra high security axial restraint pipe coupling system for plain ended pipes
- Original patented double casing design
- GL LR DNV BV ABS RINA approved
- Frequently specified for military use
- Highly fatigue resistant to long term vibrations
- Equally resistant to internal pressure or external axial load
- 100% rubber lined (no exposed metal)
- No spot welding
- 2 screws on all sizes



Axilock Performance Chart



- Sizes 38mm – 406mm
- Burst pressures up to 200 bar
- Admissible axial forces up to 400000 Newtons
- Up to 1200% Factor of Security
- Available in Fireproof version – Axilock FP

- Save time, weight, space and cost without compromising strength or integrity of pipework systems
- AXILOCK Couplings are high strength quality products for leading edge applications



Approvals Summary

	LLOYD'S	GL	DNV	RINA	ABS	BV	DTp
Air Conditioning			•				
Ballast	•	•	•	•	•	•	•
Bilge	•	•	•	•	•	•	•
Brine				•	•		
Cable Ducting	•				•		•
Cargo Oil	•	•	•	•	•		
Compressed Air	•		•	•			•
Condensate Return	•			•			•
Cooling Water	•	•	•	•	•	•	•
Fire and Washdeck	•	•	•	•	•	•	•
Fresh Water	•	•	•	•	•	•	•
Fuel Oil/Lube Oil Transfer	•	•	•	•	•	•	
Fuel Lines inside Machinery Space*	•			•			
Inert Gas	•	•	•	•	•		•
Sanitary Piping	•	•	•	•	•	•	•
Scupper and Discharge	•	•	•	•	•	•	•
Seawater	•	•	•	•	•	•	•
Sounding Pipes	•	•	•	•	•	•	•

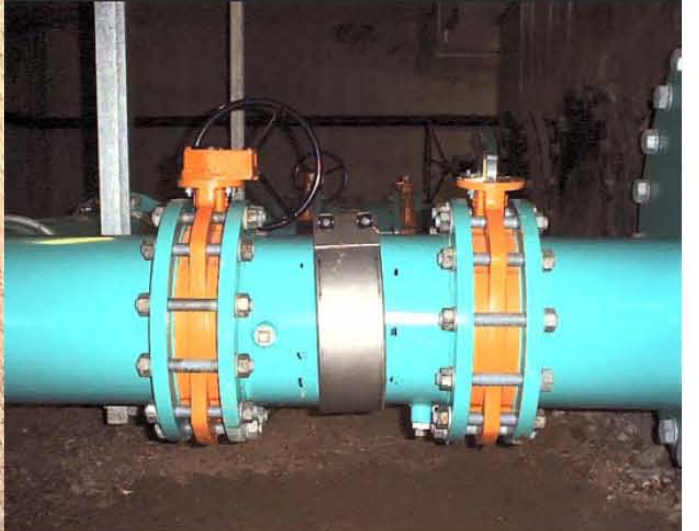
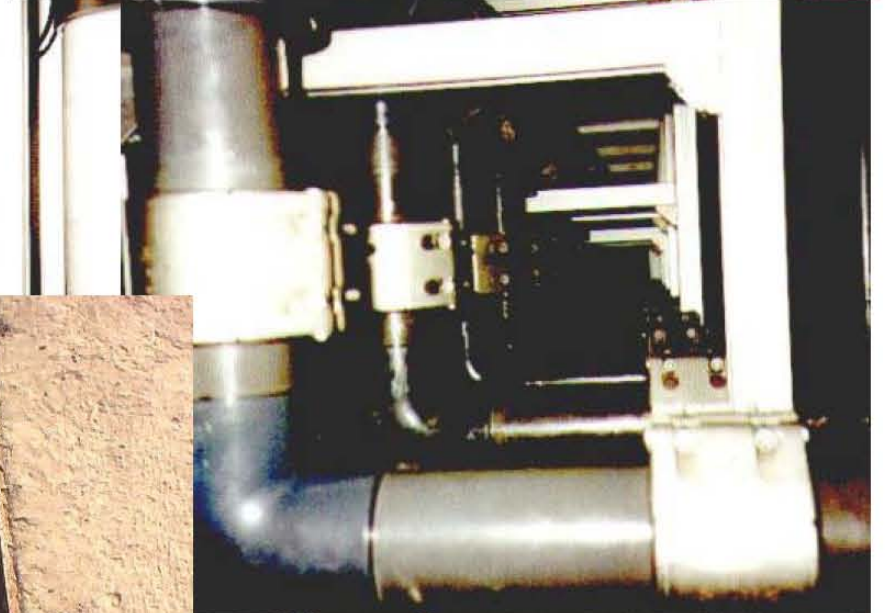
* Axilock FP

Approved but not included in the above listing

BWB
US Coast Guard
Register of Shipping
Polish Register
VdS

This quick guide is for general information only.

**The responsibility for checking specific applications and/or limitations lies with the installer.
For full details and further particulars of our Approvals please refer to our Approvals Book.**





AXILOCK

MATERIAL SELECTION GUIDE

Type	I	II	IV
Casing	AISI 304 DIN 1.4301	AISI 304 DIN 1.4301	AISI 316L DIN 1.4404
Fasteners	Alloy Steel Zinc + PTFE Coated	AISI 316L DIN 1.4404	AISI 316L DIN 1.4404
Gasket	EPDM/NBR/ Viton	EPDM/NBR/ Viton	EPDM/NBR/ Viton

Ordering Information:

	Quantity	Model	Type	Gasket	Pipe OD
Example:	120	Axilock	II	NBR	114.3mm

AXILOCK DIMENSIONAL DETAILS



PIPE DETAILS				COUPLING PERFORMANCE		COUPLING GEOMETRY					INSTALLATION		HANDLING	
SIZE ND	SIZE NB	OUTSIDE DIAMETER	O.D. TOLERANCE	WORKING PRESSURE	AXIAL PULL	COUPLING WIDTH	DIMENSION A	DIMENSION B	DIMENSION C	SCREW SIZE	SOCKET HEAD	TORQUE	WEIGHT	BOX QTY
MM	INCHES	MM	MM	BARS	N	MM	MM	MM	MM		A/F MM	N/M	KG	
32	1¼	38	37/39	16	20876	87	61	75	120	M8	6	25	0.8	12
32	1¼	42.4	41.4/43.4	16	25708	87	65	79	124	M8	6	25	0.85	12
40	1½	44.5	43.5/45.5	16	28162	87	67	81	126	M8	6	25	0.9	12
40	1½	48.3	47.3/49.3	16	32994	87	71	85	127	M8	6	25	0.95	12
50	2	57	56/58	16	38292	87	80	94	133	M8	6	25	1.0	12
50	2	60.3	59/62	16	42854	87	83	97	136	M8	6	25	1.3	12
50	2	63	62/65	16	45218	87	86	100	143	M8	6	25	1.3	12
50	2	67	66/69	16	50084	87	90	104	145	M8	6	25	1.3	12
50	2	70	69/72	16	53900	87	94	112	147	M8	6	30	1.4	12
65	2½	73	72/75	16	57782	87	97	115	148	M8	6	30	1.4	12
65	2½	76.1	75/78	16	61883	88	100	118	150	M8	6	30	1.4	12
65	2½	82.5	81.5/84.5	16	63104	88	106	124	153	M8	6	30	1.6	12
80	3	88.9	88/91	16	66443	88	113	131	160	M8	6	30	1.75	12
80	3	98	97/100	16	73951	88	122	140	167	M8	6	30	1.8	12
90	3½	101.6	100.5/103.5	16	77862	114	126	147	195	M10	8	40	2.3	12
100	4	108	107/110	16	87063	114	132	153	199	M10	8	40	2.5	12
100	4	110	109/112	16	90318	114	134	155	202	M10	8	40	2.5	12
100	4	114.3	113/116	16	96491	114	138	159	204	M10	8	45	2.6	12
100	4	118	117/120	16	96275	114	142	163	207	M10	8	45	2.7	8
100	4	120.7	119.5/122.5	16	89284	114	145	166	211	M10	8	45	2.7	8
100	4	127	126/129	16	87442	114	151	172	214	M10	8	45	2.8	8
125	5	133	132/135	16	93120	115	158	186	226	M12	10	60	4.2	4
125	5	139.7	139/142	16	101205	115	166	193	232	M12	10	60	4.3	4
125	5	141.3	140.5/143.5	16	101968	115	167	194	233	M12	10	70	4.4	4
125	5	144	143/146	16	107531	115	170	197	235	M12	10	70	4.4	4
150	6	159	158/161	16	158909	117	186	214	270	M16	14	85	4.6	4
150	6	165	164/167	16	154016	117	192	220	275	M16	14	85	4.7	4
150	6	168.3	167/170	16	158012	117	195	223	279	M16	14	85	4.8	4
150	6	170	169/172	16	161221	117	197	225	281	M16	14	85	4.8	4
200	8	193.7	193/196	16	197514	120	222	252	302	M16	14	90	6.5	2
200	8	219.1	218/221	16	245167	120	247	277	320	M16	14	100	6.9	2
200	8	222	221/224	16	251700	120	250	280	322	M16	14	100	6.9	2
225	9	244.5	243.5/246.5	8.75* 12.00*	164396 225457	120	273	303	344	M16	14	100	7.2	*
250	10	267	266/269	8.75* 12.00*	196045 268861	120	295	325	366	M16	14	100	7.5	*
250	10	273	272/275	8.75* 12.00*	204955 281081	120	301	331	370	M16	14	110	7.7	*
300	12	323.9	323/326	7.50* 10.75*	247291 354450	120	352	382	413	M16	14	110	9.5	*
300	12	326	325/328	7.50* 10.75*	250508 359061	120	354	384	415	M16	14	110	9.5	*
350	14	355.6	354.5/357.5	6.00* 8.25*	238451 327870	120	384	414	442	M16	14	120	10.25	*
350	14	378	377/380	6.00* 8.25*	269438 370478	120	406	436	463	M16	14	120	10.5	*
400	16	406.4	405/408	6.00* 8.25*	311446 428239	120	434	464	494	M16	14	140	12.0	*
400	16	429	428/431	6.00* 8.25*	329089 452498	120	457	487	515	M16	14	150	12.5	*

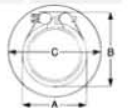
NOTES E&OE 17 02 01

The above table is a guide to the most common sizes. Couplings to suit specific outside diameters not listed above may be manufactured to order. Please contact us for details.

◆* WORKING PRESSURE /LOAD Test is 1.5 times working figure. Minimum burst is 4 times working figure. Figures are based on typical values for standard wall carbon steel pipe. Where marked *, the first figure is for coupling types 1,2 and 4. The second figure is for type 5.

◇ TORQUES The torque ratings listed above are for general purpose use on standard wall carbon steel pipe. Ratings may be altered up or down by the manufacturer.

* BOX QUANTITY Where marked by *, the couplings are packed according to quantity ordered.





Axilock Pipe Coupling Specification

Generic Description: Axial Restraint Pipe Coupling

When specifying Axilock Pipe Couplings it may be useful to consider the following International Specifications:

ASTM Standard: ASTM F1476 Type 2 Class 2
Gasketed Mechanical Coupling for plain end pipe
flexible and restrained

DIN Standard: DIN 86128 Form A
Pipe Coupling for Shipbuilding

The Materials of Construction will be in accordance with the latest editions of the relevant ISO EN BS Standards.

The Quality System will be in accordance with:

ISO Standard: BS EN ISO 9001:1994
Design, Manufacture, Supply, Sale and Distribution of
Mechanical Pipe Couplings

