

VORTEX New Generation Subsea Bolt Tensioners

Boltight manufactures standard and custom built tooling for sub sea use. The new generation VORTEX subsea tensioners incorporates major enhancements that will save operation time and money as well as protect the environment!





Positive Stop

A positive piston stop prevents tool over-stroke, blown seals and tools being returned to the surface for seal change.

Automatic Piston Return

The diver can return the tensioner piston subsea. No more returning the tools topside!

Water Fluid

Protect the environment! Vortex uses water as the hydraulic fluid instead of oil.

Button Release

A simple push button releases the water to the environment and returns the piston – in seconds!

BOLTIGHT
HYDRAULIC BOLT TENSIONING
BOLTIGHT is the UK Registered Trade Mark of Boltight Limited

Boltight Limited, Unit 2, Junction 10 Business Park, Bentley Mill Way, Walsall, West Midlands, WS2 0LE, United Kingdom.
Tel: +44 (0)845 500 5556 Fax no. +44 (0)845 500 5557
email: sales@boltight.com www.boltight.com



VORTEX New Generation Subsea Bolt Tensioners

Vortex			Pressure Area		Load		A-Diameter		B-Diameter	
Model Number	Bolt Size		mm2	in2	kN	klbf	mm	in	mm	in
VX1	1"	M24	2293	3.55	237	53.32	88	3.46	205	8.07
	1-1/8"	M27								
		M30								
VX2	1-1/4"	M33	3501	5.43	362	81.39	113	4.45	205	8.07
	1-3/8"	M36								
VX3	1-1/2"	M39	4830	7.49	500	112.31	129	5.08	210	8.27
	1-5/8"	M42								
VX4	1-3/4"	M45	6448	9.99	667	149.92	150	5.91	215	8.46
VX5	1-7/8"	M48	6893	10.68	713	160.26	160	6.30	225	8.86
	2"	M52								
VX6	2-1/4"	M56	10178	15.78	1053	236.64	174	6.85	230	9.06
VX7	2-1/2"	M60	12395	19.21	1283	288.17	197	7.76	245	9.65
		M64								
VX8	2-3/4"	M68	15088	23.39	1562	350.81	211	8.31	260	10.24
		M72								
VX9	3"	M76	18157	28.14	1879	422.15	220	8.66	275	10.83
VX10	3-1/4"	M80	24110	37.37	2495	560.57	257	10.12	295	11.61
	3-1/2"	M85								
		M90								







Overview

- Comprehensive operation and safety manual
- Technical support for correct bolt loads and procedures
- Positive stop
- Water operating fluid
- Maximum stroke indicator
- Automatic piston return
- Long life snap fit seals
- Nickel plated
- Single or twin hydraulic connections
- Split or solid reaction nut
- Fits all standard pipe flange applications
- Quick delivery
- Full range of pumps and hoses kept in stock
- Patent protected



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