



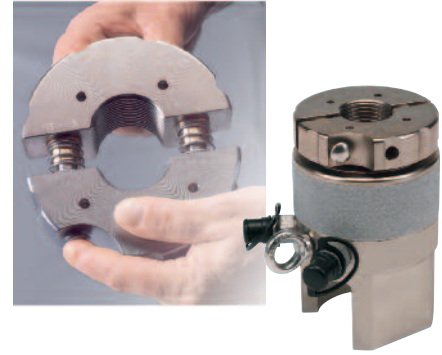
### SST BOLT TENSIONER Quick Reaction SubSea Tensioner

- Visible piston stroke indication
- Piston / cylinder misalignment compensation
- Anti-slip cylinder surface for improved handling
- Low friction seals
- Anti-corrosion coating
- Bolt coverage from 3/4" to 3 1/2"
- Designed to fit BS1560 / ANSI B16.5 / API flanges, as well as most compact flange designs

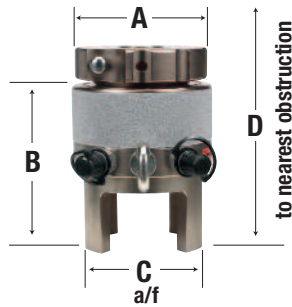


# QUICK REACTION SUBSEA BOLT TENSIONER

Our Subsea bolt tensioner incorporating the quick reaction nut feature reduces diver fatigue, improving diver safety and productivity.



## Specifications and Dimensional Data



- Piston stroke - 30mm (Except SST1 - 20mm)
- Max tool pressure - 21,750psi (1,500 bar)
- 'D' includes an allowance for tool removal after bolt tightening with 30mm tool stroke
- Product development is constantly taking place and dimensions may change without notice

Tool Ref	Bolt Diameter				Tool Load		Hydraulic Area		'A'	'B'	'C' A/F	Minimum Bolt Protrusion		'D'
	Imperial	Quick Reaction Nut Number	Metric	Quick Reaction Nut Number								in	mm	
SST 1	3/4"	QRNAS010001	M20	QRNAS010004	15.7	140	1.45	934	2.60/66	3.82/97	1.89/48	4.09	107	8.98/228
	7/8"	QRNAS010003	M22	QRNAS010005								3.98	105	
SST 2	1"	QRNAS020001	M24	QRNAS020004	27	240	2.48	1600	3.23/82	5.02/127.5	2.36/60	5.24	139	11.65/296
	1-1/8"	QRNAS020003	M27	QRNAS020005								5.12	136	
				M30								QRNAS020006		
SST 3	1-1/4"	QRNAS030003	M33	QRNAS030005	43	380	3.93	2534	3.82/97	5.39/137	3.03/77	5.35	142	12.17/309
	1-3/8"	QRNAS030004	M36	QRNAS030006								5.24	139	
SST 4	1-1/2"	QRNAS040003	M39	QRNAS040005	62	550	5.69	3668	4.37/111	5.75/146	3.54/90	5.51	147	12.68/322
	1-5/8"	QRNAS040004	M42	QRNAS040006								5.35	144	
SST 5	1-3/4"	QRNAS050001	M45	QRNAS050005	99	880	9.10	5868	5.35/136	6.22/158	4.49/114	5.94	160	13.46/342
	1-7/8"	QRNAS050003	M48	QRNAS050006								5.83	158	
	2"	QRNAS050004	M52	QRNAS050007								5.71	154	
SST 6	2-1/4"	QRNAS060001	M56	QRNAS060005	175	1560	16.14	10411	6.97/177	7.11/180.5	5.51/140	6.54	178	14.72/374
	2-1/2"	QRNAS060003	M60	QRNAS060006								6.30	175	
	2-3/4"	QRNAS060004	M64	QRNAS060007								6.06	172	
				M68								QRNAS060008		
SST 7	3"	QRNAS070001	M76	QRNAS070005	289	2575	26.63	17176	8.54/217	7.95/202	7.09/180	7.13	195	16.10/409
	3-1/4"	QRNAS070003	M80	QRNAS070006								6.89	192	
	3-1/2"	QRNAS070004	M85	QRNAS070007								6.65	188	
				M90								QRNAS070008		