

Subsea Bolt Tensioners

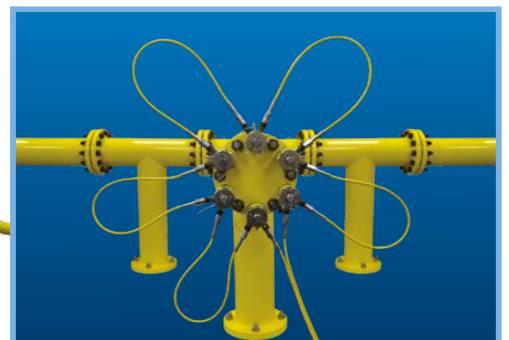
The HTL range of Subsea Tensioners have been designed and manufactured in the UK to suit the demanding requirements of divers operating in harsh subsea environments.

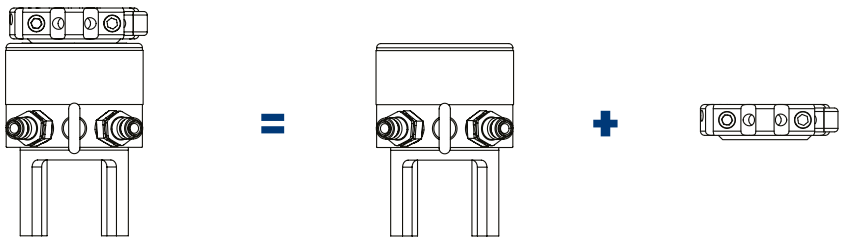
This range of tensioners bring a new generation of bolting with a quick release nut (QRN) which has a unique positive locking system (patent pending), with a bolt coverage of $\frac{3}{4}$ " to $3\frac{1}{2}$ "; M20 to M90.

Comprising of 7 bolt tensioning tools, this series is capable of tensioning most subsea flanges. They are made from high strength corrosion resistant steel which reduces maintenance work to a minimum after subsea use, and incorporate an anti-slip cylinder surface for improved handling.

Features and Benefits

- ✓ Unique patented positive locking system
- ✓ Improves safety and productivity
- ✓ QRN reduces diver fatigue
- ✓ $\frac{3}{4}$ " to $3\frac{1}{2}$ "; M20 to M90 bolt coverage
- ✓ Anti-slip cylinder surface for improved handling





**Complete HTL Subsea Tensioner
HTL-SS**

**Load Cell
HTL-SS-L**

**Quick Release Nut
HTL-SS-QRN**

Model	Stud Diameter		Tool Load		Min Bolt Protusion		Stroke Length		Hydraulic Area		A		B		C		D		E		Weight Kg
	Imperial	Metric	kN	tonf	mm	Inch	mm	inch	mm ²	in ²	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	
HTL-SS1	3/4"	M20	140	14.1	107	4.2	20	0.8	977	1.5	48	1.9	97	3.8	66	2.6	120	2.7	228	9.0	2.7
	7/8"	M22			105	4.1															
HTL-SS2	1"	M24	240	24.1	139	5.5	30	1.2	1665	2.6	60	2.4	128	5.0	82	3.2	152	6.0	296	11.7	4.1
	1 1/8"	M27			136	5.4															
	-	M30			134	5.3															
HTL-SS3	1 1/4"	M33	380	38.1	142	5.6	30	1.2	2532	3.9	77	3.0	137	5.4	97	3.8	162	6.4	309	12.2	5.1
	1 3/8"	M36			139	5.5															
HTL-SS4	1 1/2"	M39	550	55.2	160	6.3	30	1.2	3719	5.8	90	3.5	146	5.8	111	4.4	174	6.9	322	12.7	8.4
	1 5/8"	M42			158	6.2															
HTL-SS5	1 3/4"	M45	880	88.3	160	6.3	30	1.2	6069	9.4	114	4.5	158	6.2	136	5.4	192	7.6	342	13.5	13.8
	1 7/8"	M48			158	6.2															
	2"	M52			154	6.1															
HTL-SS6	2 1/4"	M56	1560	156.6	177	7.0	30	1.2	10433	16.2	140	5.5	181	7.1	177	7.0	222	8.7	374	14.7	23
	2 1/2"	M60			175	6.9															
	2 3/4"	M64			172	6.8															
	-	M68			169	6.7															
	-	M70			165	6.5															
HTL-SS7	3"	M76	2575	258.4	195	7.7	30	1.2	17303	26.8	180	7.1	202	8.0	217	8.5	255	2.1	409	16.1	32
	3 1/4"	M80			192	7.6															
	3 1/2"	M85			188	7.4															
	-	M90			184	7.2															

