

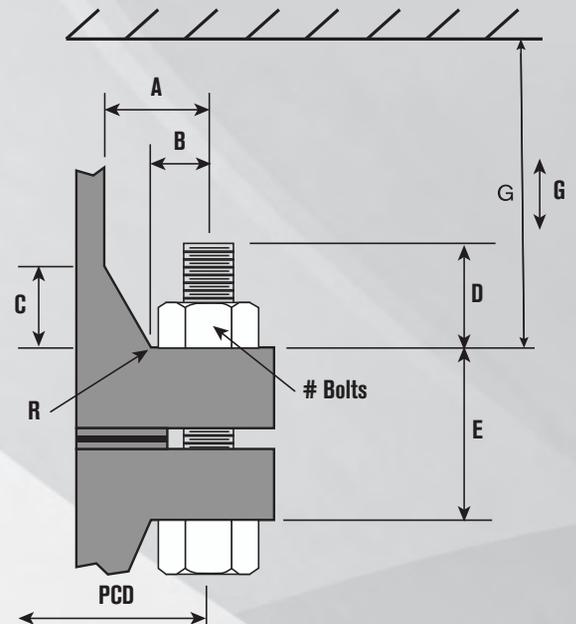
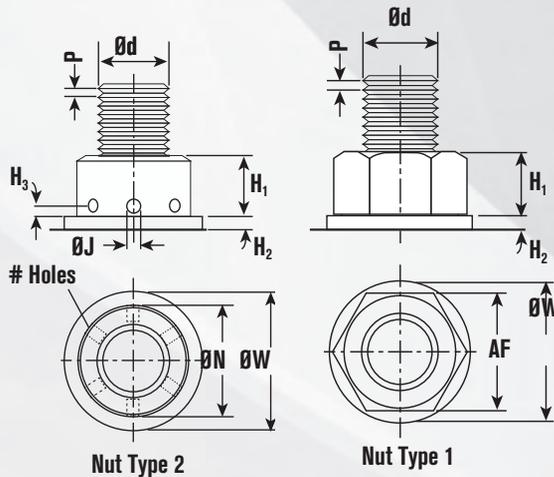


LSR BOLT TENSIONER Spring Return Bolt Tensioner

- Unique quick release bridge adaptation
- Piston over-stroke prevention
- Piston stroke indication
- Piston / cylinder misalignment compensation
- Bolt coverage from 1" to 3 1/2"
- Designed to fit BS1560 / ANSI B16.5 / API flanges
- Fully enclosed load cell design eliminates entry of debris into piston retraction mechanism

The Spring Return design dramatically increases productivity and safety on the job site when compared to older technology manual return tensioners.

topside.



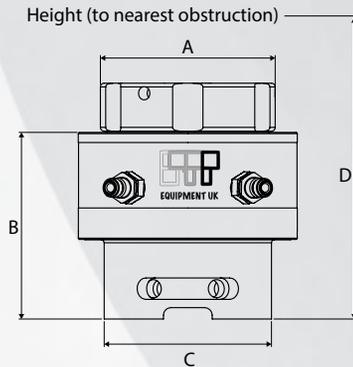
LSR SPRING RETURN BOLT TENSIONER

Our spring return bolt tensioner reduces operator fatigue, saving time and improving safety and productivity.



Order a load cell and an adaptor kit to make a complete tensioner, each are sold separately.

Specifications and Dimensional Data



- Piston stroke - 10mm except for LSR 0 - 8mm
- Max tool pressure - 21,750 psi (1,500 bar)
- Bolt protrusion above nut = 1 x bolt diameter
- 'D' includes an allowance for tool removal after bolt tightening with 10mm tool stroke
- Weight excludes puller sleeve
- Product development is constantly taking place and dimensions may change without notice

Load Cell	Stud Diameter		Tool Load		Hydraulic Area		A		B		C		D	
	Imp	Metric	lbs	kN	in ²	mm ²	in	mm	in	mm	in	mm	Imperial	Metric
													in	mm
LSR 0	3/4"	M20	35,971	160	1.65	1,067	2.6	66	3.7	93	2.5	63	5.4	136
	7/8"	M22											5.6	142
LSR 1	1"	M24	62,950	280	2.89	1,867	3.4	87	4.6	117	2.7	68	6.9	175
	1-1/8"	M27											7.0	178
LSR 2	1"	M24	101,100	450	4.65	3,001	4.1	103	4.6	117	3.0	75	6.9	175
	M27	7.0											178	
	1-1/8"	M30											7.1	181
	1-1/4"	M33											7.2	184
LSR 3	1-3/8"	M36	148,381	660	6.82	4,401	4.7	118	4.8	123	3.5	88	7.4	188
	1-1/2"	M39											7.5	190
	1-5/8"	M42											7.6	192
	2"	M45											7.7	196
LSR 4	2"	M52	224,820	1,000	10.34	6,668	5.5	140.5	5.0	126	3.8	96	7.7	195
	2-1/4"	M56											7.8	197
	2-1/2"	M60											8.0	203
	2-3/4"	M64											8.2	209
LSR 5	2-3/4"	M68	337,230	1,500	15.50	10,003	6.9	175.5	5.1	130	3.8	96	8.3	211
	3"	M72											8.4	212
	3-1/4"	M76											8.5	217
	3-1/2"	M80											8.6	218
LSR 6	3-1/2"	M85	562,050	2,500	25.84	16,671	8.6	219	5.2	132	4.4	112	8.8	223
	3-3/4"	M90											8.9	225
	4"	M95											9.1	230
	4-1/4"	M100											9.3	236
LSR 7	4-1/4"	M100	719,424	3,200	33.06	21,339	9.9	252	5.3	135	4.5	114	9.7	246
	4-1/2"	M100											9.8	248
	4-3/4"	M100											10.2	258
	5"	M100											10.2	259