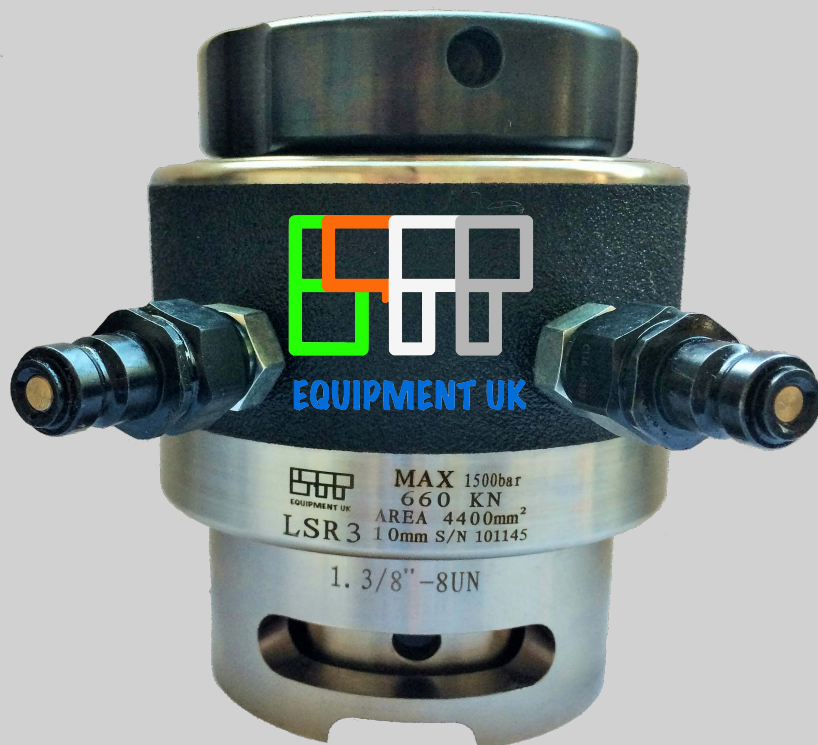
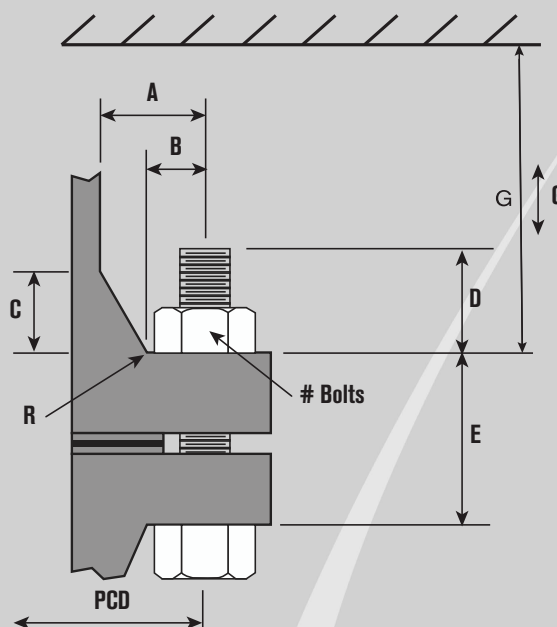
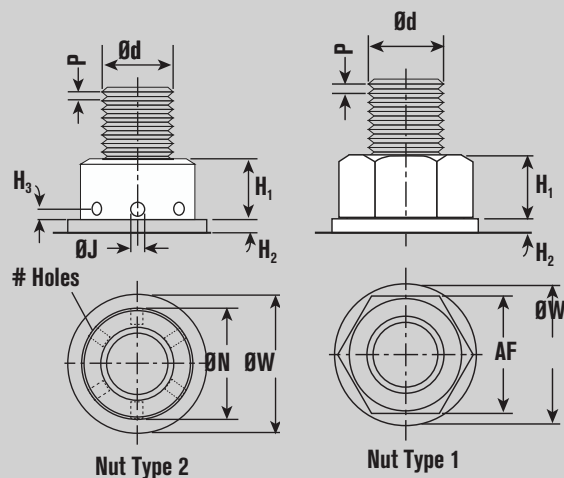




LSR BOLT TENSIONER Spring Return Bolt Tensioner

- 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.



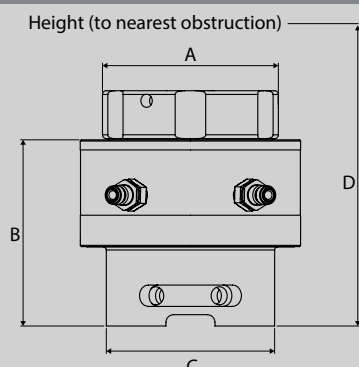
LSR SPRING RETURN BOLT TENSIONER

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	
LSR 0	3/4"	M20	35,500	160	1.65	1,067	2.6	66	3.7	93	2.5	63	5.4	136	5.5	142
	7/8"	M22											5.6	142	5.6	144
LSR 1	1"	M24	61,950	280	2.89	1,867	3.4	87	4.6	117	2.7	68	6.9	175	6.9	175
	1-1/8"	M27							4.6	117	2.7	68			7.0	178
	1"	M24							4.7	120	2.8	72	7.1	181		
LSR 2	1-1/8"	M30	99,700	450	4.65	3,001	4.1	103	4.6	117	3.0	75	6.9	175	6.9	175
	1-1/4"	M33							4.6	117	3.0	75			7.0	178
	1-3/8"	M36							4.6	117	3.0	75				
	1-1/4"	M33							4.7	120	3.2	80	7.1	181	7.2	184
	1-3/8"	M36							4.8	123	3.3	84	7.4	188	7.5	190
LSR 3	1-1/2"	M39	145,950	660	6.82	4,401	4.7	118	5.0	126	3.5	89	7.7	195	7.7	196
	1-3/8"	M36							5.0	126	3.5	88	7.5	190	7.6	192
	1-1/2"	M42							5.1	130	3.8	96	7.8	197	7.8	192
	1-5/8"	M42							5.2	133	4.1	105	8.0	203	8.0	204
	1-1/2"	M39							5.2	133	4.1	105	8.2	209	8.3	211
LSR 4	1-1/2"	M39	223,550	1,000	10.34	6,668	5.5	140.5	5.2	132	4.4	112	8.3	211	8.4	212
	1-5/8"	M42							5.3	135	4.5	114	8.5	217	8.6	218
	1-3/4"	M45							5.5	139	4.7	118	8.8	223	8.9	225
	1-7/8"	M48							5.6	142	4.5	114	9.1	230	9.1	231
	2"	M52							5.7	145	4.7	120	9.3	236		
LSR 5	2"	M52	331,400	1,500	15.50	10,003	6.9	175.5	5.8	148	4.7	120	9.7	246	9.8	248
	2-1/4"	M56							6.1	154	5.4	138	10.2	259	10.2	258
	2-1/2"	M60							6.3	161	5.4	138	10.2	259	10.3	262
	2-3/4"	M64							6.3	161	6.0	153	10.7	272	10.8	273
	2-3/4"	M68							6.6	167	6.1	156	11.2	284	11.1	283
LSR 6	2-3/4"	M72	553,200	2,500	25.84	16,671	8.6	219	6.6	167	6.2	157	11.6	294	11.7	297
	3"	M76							6.9	171	7.2	182	12.1	307	12.1	308
	3-1/4"	M80							7.1	180	7.5	190			12.3	312
	3-1/2"	M85							7.1	180	7.5	190	12.6	320	12.7	323
	3-1/2"	M90							7.3	186	8.1	205	13.1	332	13.2	334
LSR 7	3-1/2"	M90	708,200	3,200	33.06	21,339	9.9	252	7.3	186	7.9	200	13.2	339	13.3	341
	3-3/4"	M95							7.3	186	7.9	200			13.5	346
	4"	M100							7.6	192	7.9	200	13.7	352	13.9	356
									7.8	199	8.3	210	14.2	363		