

Tensioners - Topside

Technical documentation

SRT SPRING RETURN BOLT TENSIONER

Bolt coverage from 3/4" to 4" (20 - 115 mm) with just 8 tools.

- The Spring Return design dramatically increases productivity and safety on the job site when compared to older technology manual return tensioners.
- Piston overstroke prevention
- Piston stroke indication
- Compatible with MRT Tensioner range
- Unique quick release bridge adaptation
- Piston/cylinder misalignment compensation
- Bolt coverage from 3/4" to 4" (20 - 115 mm) with just 8 tools
- Designed to fit BS1560/ANSI B16.5/API flanges
- Fully enclosed load cell design eliminates entry of debris into piston retraction mechanism
- Piston over-stroke eliminator to prevent over stroking and blowing a seal
- Twin hydraulic couplings for multiple tool connections
- Requires stud to protrude above nut by 1 x bolt diameter
- Application specific tooling available. Contact factory for details.
- 10 mm piston stroke



Max tool pressure: 1,500 bar (21,750 psi)

Bolt protrusion above nut: 1 x bolt diameter (minimum)

SRT ADVANTAGES

- Same size tommy holes on top and bottom requiring only 1 tommy bar on the job site.
- All mechanism parts are protected from debris and operator contact within the tensioner body.
- Patented Spring Return Load Cell to assist in piston retraction and reduce operator fatigue.
- Encapsulated Nut Rotating Socket to prevent loss by keeping all pieces together.
- Quick Release Bridge. No tools needed to assemble.
- Relief Valve prevents over stroking the ram and blowing a seal.
- Colored Stroke Indicator Line alerts operator, maximum piston stroke has been reached.

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TOOL REF	BOLT DIA		HYDRAULIC AREA		MAX TOOL LOAD		WEIGHT
	Imperial	Metric	mm ²	in ²	KN	tonf	kg
SRT 1	1"	M24 **	1867	2.89	280	28.1	2.75
		M27					
SRT 2	1 1/8"	M24 **	3001	4.65	450	46.0	4.10
		M27					
		M30					
		M33					
		M36					
SRT 3	1 1/4"	M33	4401	6.82	660	66.2	5.40
		M36					
		M39					
		M42					
SRT 4	1 1/2"	M39	6668	10.34	1000	101.4	8.40
		M42					
		M45					
		M48					
		2"					
SRT 5	2"	M52 **	10003	15.50	1500	150.5	13.80
		M56 **					
		M60 **					
		M64 **					
		M68 **					
SRT 6	2 3/4"	M72 **	16671	25.84	2500	250.9	23.90
		M76 **					
		M80 **					
		M85 **					
		M90 **					

** Indicates that the Nut Rotating Ring is specific to the metric nut size only and will not fit the imperial equivalent. Note that these Nut Rotating Rings are stamped with the metric size on the top face of the ring, visible looking inside the bridge.

1. Bridges are stamped with both the imperial and equivalent metric size where applicable. Bridges with metric Nut Rotating Rings indicated ** are stamped with the imperial size only.
2. Weight includes Load Cell, Bridge and Nut Rotating Ring (excludes the Pulling Sleeve)

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