



Titus Coated Rod Shear

Titus Tools Coated Rod Shear coupling provides an easy and safe way to release your rods by just simply pulling on the rods with a specified force, which then shears the coupling. If a well has high scale or paraffin problems, the pumps rotor may become stuck or sanding in the stator making it nearly impossible to release; which may result in a strip over job, or a rod part. The Titus Coated Shear Coupling are coated with polyurethane to prevent tubing wear causing costly work over job on your production well.



Design

The Titus Coated Shear Coupling relies on two separate mechanisms for tension and torque resistance. Shear pins, transverse through the coupling provide consistent and repeatable shearing in tension, while an integral square key -- the largest in the industry -- provides torque ratings far exceeding those of API Grade D sucker rod.

Construction

The Box and Pin of the shear coupling are manufactured from AISI 4340 HTSR material, with a proprietary high-quality steel shear pins.

Flexibility

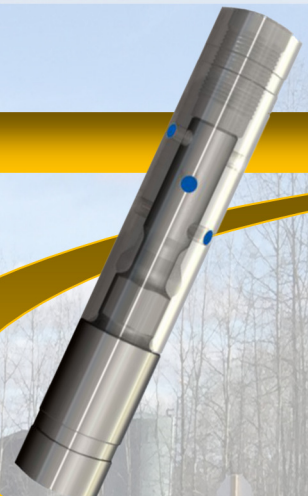
The Shear couplings are available in 3/4, 7/8, 1, and 1-1/8 API 11B sizes, with shear strengths ranging from 14 000 lbf to 45000 lbf (70 000 lbf for 1-1/8 Size).



Availability / Specifications

Coated Box x Pin

Shear Size	Tool O.D. (Inches)	Coating O.D. (Inches)	Length (Inches)	Shear Rating (lbf)	Max Torque (#-lbf)	Shear Pins
3/4" x 3/4"	1.63"	1.9"	9.4"	14,000	1,500	2
3/4" x 3/4"	1.63"	1.9"	9.4"	19,000	1,600	2
3/4" x 3/4"	1.63"	1.9"	9.4"	22,000	1,700	2
3/4" x 3/4"	1.63"	1.9"	9.4"	26,000	1,800	2
3/4" x 3/4"	1.63"	1.9"	9.4"	30,000	1,900	2
3/4" x 3/4"	1.63"	1.9"	9.4"	35,000	2,000	2
3/4" x 3/4"	1.63"	1.9"	9.4"	40,000	2,100	3
3/4" x 3/4"	1.63"	1.9"	9.4"	45,000	2,200	3
7/8" x 7/8"	1.63"	1.9"	9.6"	14,000	1,500	2
7/8" x 7/8"	1.63"	1.9"	9.6"	19,000	1,600	2
7/8" x 7/8"	1.63"	1.9"	9.6"	22,000	1,700	2
7/8" x 7/8"	1.63"	1.9"	9.6"	26,000	1,800	2
7/8" x 7/8"	1.63"	1.9"	9.6"	30,000	1,900	2
7/8" x 7/8"	1.63"	1.9"	9.6"	35,000	2,000	2
7/8" x 7/8"	1.63"	1.9"	9.6"	40,000	2,100	3
7/8" x 7/8"	1.63"	1.9"	9.6"	45,000	2,200	3
1" x 1"	2"	2.2"	10.8"	30,000	2,000	2
1" x 1"	2"	2.2"	10.8"	35,000	2,225	2
1" x 1"	2"	2.2"	10.8"	40,000	2,450	3
1" x 1"	2"	2.2"	10.8"	45,000	2,675	3
1 1/8" x 1 1/8"	2.38"	2.5"	12"	30,000	2,625	2
1 1/8" x 1 1/8"	2.38"	2.5"	12"	35,000	2,850	2
1 1/8" x 1 1/8"	2.38"	2.5"	12"	40,000	3,075	3
1 1/8" x 1 1/8"	2.38"	2.5"	12"	45,000	3,300	3
1 1/8" x 1 1/8"	2.38"	2.5"	12"	52,500	3,525	3
1 1/8" x 1 1/8"	2.38"	2.5"	12"	60,000	3,750	4
1 1/8" x 1 1/8"	2.38"	2.5"	12"	70,000	3,975	4



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Availability / Specifications

Coated ToughTorq Box x Box

Shear Size	Tool O.D. (Inches)	Coating O.D. (Inches)	Length (Inches)	Shear Rating (lbf)	Max Torque (#-lbf)	Shear Pins
7/8" x 7/8"	1.63"	1.9"	10.45"	26,000	1,250	2
7/8" x 7/8"	1.63"	1.9"	10.45"	30,000	1,250	2
7/8" x 7/8"	1.63"	1.9"	10.45"	35,000	1,250	3
7/8" x 7/8"	1.63"	1.9"	10.45"	40,000	1,250	3
7/8" x 7/8"	1.63"	1.9"	10.45"	45,000	1,250	3
1" x 1"	2"	2.2"	11.20"	26,000	2,500	2
1" x 1"	2"	2.2"	11.20"	30,000	2,500	2
1" x 1"	2"	2.2"	11.20"	35,000	2,500	3
1" x 1"	2"	2.2"	11.20"	40,000	2,500	3
1" x 1"	2"	2.2"	11.20"	45,000	2,500	3
1" x 1"	2"	2.2"	11.70"	50,000	2,500	4
1" x 1"	2"	2.2"	11.70"	60,000	2,500	4
1 1/8" x 1 1/8"	2.25"	2.5"	13.60"	30,000	3,750	3
1 1/8" x 1 1/8"	2.25"	2.5"	13.60"	35,000	3,750	3
1 1/8" x 1 1/8"	2.25"	2.5"	13.60"	40,000	3,750	3
1 1/8" x 1 1/8"	2.25"	2.5"	13.60"	45,000	3,750	3
1 1/8" x 1 1/8"	2.25"	2.5"	13.60"	50,000	3,750	4
1 1/8" x 1 1/8"	2.25"	2.5"	13.60"	60,000	3,750	4



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