

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).



Titus Coated Rod Shear Specifications



Size	Tool Diameter	Coating Diameter	Length	Shear Strength	Max Torque	Shear Pins
Pin x Box API 11B	(Inches)	(Inches)	(Inches)	(lbf)	(# - lbf)	
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	2.00	2.2	10.8	30.000	2.000	2
1 x 1	2.00	2.2	10.8	35.000	2.225	2
1 x 1	2.00	2.2	10.8	40.000	2.450	3
1 x 1	2.00	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

**“LESS TIME ON THE WELL
EQUALS GREATER
SAFETY AND LESS COST.”**

5205 - 63rd Street
Lloydminster
Alberta, Canada T9V 2E7
Phone: 780-875-6282
Toll Free: 1-888-354-TOOL
Email: Info@titustools.com

