

WireTorq™ Shear Coupling

Ideal For Improving PCP Performance In Problem Wells

Shear couplings are used to reliably separate the rod string from the bottom hole assembly when the pump seizes or the rod gets stuck.

The WireTorq™ Shear Coupling† has been specially designed for use with high torque rod applications such as Weatherford® T66/XD and HD sucker rods and Alberta Oil Tool Drive Rods®††.

The WireTorq™ Shear Coupling is an innovative solution to enhance shear coupling run life in challenging applications such as horizontal PCP wells with some dogleg severity. This downhole tool decouples bending and torsional forces from the shearing mechanism to improve the overall fatigue life.

Features

- Increased flexibility in torsional direction should improve fatigue life in challenging PCP applications
- Integrated torque transmitting key with large bearing surface
- Box by Box ends assemble easily with sucker rod
- ISO 9001 ensures full material and manufacturing traceability
- Threads are formed (cold rolled), not cut, conforming to API 11B
- Compact design
- Patent pending



SIZE ¹	SHEAR STRENGTH	OD	MAX TORQUE ²	LENGTH ³
7/8" (22 mm)	35,000 LBF (156 kN) *	1.63" (41 mm)	1,250 LB-FT (1,695 N·m)	7.00" (177 mm)
	40,000 LBF (178 kN)			
	45,000 LBF (200 kN) *			
1" (25 mm)	35,000 LBF (156 kN)	2.00" (51 mm)	2,500 LB-FT (3,390 N·m)	7.50" (191 mm)
	40,000 LBF (178 kN)			
	45,000 LBF (200 kN)			
	50,000 LBF (222 kN)			
1-1/8" (28 mm)	35,000 LBF (156 kN)	2.25" (57 mm)	3,750 LB-FT (5,080 N·m)	8.64" (219 mm)
	40,000 LBF (178 kN)			
	45,000 LBF (200 kN)			
	50,000 LBF (222 kN)			

1. Other sizes will be considered upon request
2. To maximize fatigue life, Plainsman recommends using a .8 service factor
3. No additional coupling is needed

*Not a stock item. Call for availability.

† Patent pending.
 †† Weatherford and Alberta Oil Tool are in no way affiliated with Plainsman Mfg. Inc.

WIRETORQ™ SHEAR COUPLING