



Production Equipment > Downhole
Shear Couplings

Hawkeye Industries Shear Couplings for Sucker Rods provide consistent tensile shear loads, while not compromising the torsional strength of the sucker rod string.

Design

The Hawkeye 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 45 000 lbf (70 000 lbf for 1-1/8 Size).

Specifications

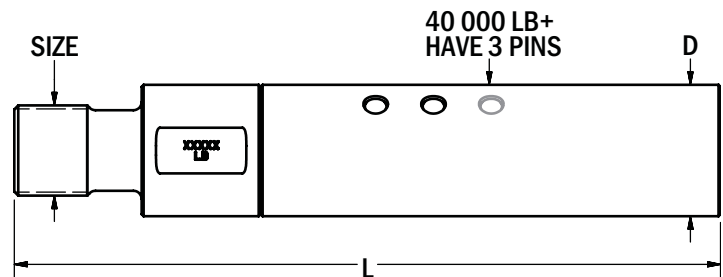
Thread Size	D	L	Shear Strength	Max Torque	# Shear Pins	Shear Pin Colour
Pin x Box API 11B	(in)	(in)	(lbf)	(ft-lbf)		
3/4 x 3/4	1.63	9.4	14 000	1 500	2	Pink
			19 000	1 600	2	Purple
			22 000	1 700	2	Green
			26 000	1 800	2	Blue
			30 000	1 900	2	Red
			35 000	2 000	2	White
			40 000	2 100	3	Yellow
7/8 x 7/8	1.63†	9.6	45 000	2 200	3	Red
			14 000	1 500	2	Pink
			19 000	1 600	2	Purple
			22 000	1 700	2	Green
			26 000	1 800	2	Blue
			30 000	1 900	2	Red
			35 000	2 000	2	White
1 x 1	2.00†	10.8	40 000	2 100	3	Yellow
			45 000	2 200	3	Red
			30 000	2 000	2	Red
			35 000	2 225	2	White
			40 000	2 450	3	Yellow
			45 000	2 675	3	Red
			30 000	2 625	2	Red
1-1/8 x 1-1/8	2.38	12	35 000	2 850	2	White
			40 000	3 075	3	Yellow
			45 000	3 300	3	Red
			52 500	3 525	3	White
			60 000	3 750	4	Red
			70 000	3 975	4	White

† Meets API 11B Slimhole Diameter



Above: Array of 7/8 and 1 API 11B Shear Couplings, showing 2- and 3-pin configurations.

Below: Shear coupling dimensions (see Specification Chart)



Ordering Information

- 1.) Specify Hawkeye Shear Coupling
- 2.) Specify Pin / Box size
- 3.) Specify Shear Value (Size Chart)