



## 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	d*	L	Shear Strength	Max Torque	# Pins	Shear Pin Colour
Pin x Box API 11B	(in)	(in)	(in)	(lbf)	(ft-lbf)		
3/4 x 3/4	1.63	1.13	10.1	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†	1.13	10.3	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†	1.13	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 1-1/18	2.38	1.25	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

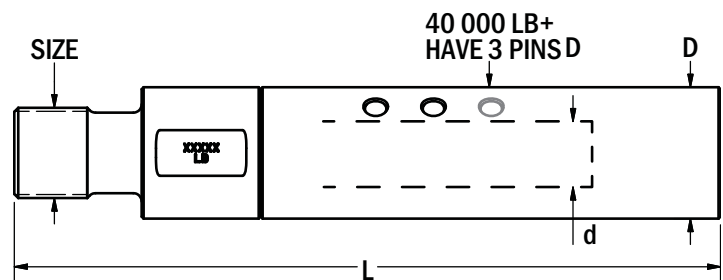
\* Pin-down fishing diameter

† 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)

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