

High-Pressure Fluid Swivels

Cameron’s high-pressure fluid swivels can be used with choke and kill lines, mud booster lines, hydraulic lines, and other auxiliary lines where the flexible moonpool drape hoses attach to the goosenecks on a drilling riser telescopic joint or riser gas handling flow lines. The swivels assist in alignment of the hose end connections with the gooseneck end connections during make-up of the hoses to the goosenecks and reduce the torsion imparted into the flexible hoses during rotation of the drilling vessel relative to the drilling riser, such as during a heading change.

Available bore sizes: 1-13/16" to 9"

Available pressure ratings: 5000, 10,000, 15,000, and 20,000 psi (Other pressure ratings available upon request)

Temperature rating: U: 0 to 250 °F (-18 to 121 °C)

Material class rating: EE (Sour service)

Product specification level: PSL 3

Maximum applied tension: 10,000 lb – 50,000 lb (Class dependent)

Maximum applied bending: 5000 - 25,000 ft-lb (Class dependent)

Codes and standards: API 6A, 16A, 17D, NACE MR0175; ISO 10423, 13533, 13628-4, 15156

Features

- Rated for H₂S service
- Ring grooves and seal surfaces Inconel 625 inlaid for corrosion resistance
- Redundant elastomeric seals provide dual barrier between swivel bore and environment
- Low friction, self-lubricating composite bearings provide high-load capacity with low breakout torque and smooth rotation
- Commonality of replaceable items across class/sizes
- Multiple end connection options: flanged, studded flange, or clamp hubs. Custom options are available
- Eliminates alignment and orientation issues



Hub Swivel



Flanged Swivel

AVAILABLE SWIVEL SIZES AND PRESSURE RATINGS

	Nominal Pressure Rating			
	5000	10,000	15,000	20,000
Nominal Bore Size		Class 1	Class 1	Class 2
1 13/16"		Class 1	Class 2	Class 3
2 1/16"	Class 2	Class 2	Class 2	Class 3
2 9/16"	Class 2	Class 2	Class 3	Class 4
3 1/16"	Class 3	Class 3	Class 4	Class 5
4 1/16"	Class 4	Class 4	Class 5	Class 7
5 1/8"	Class 5	Class 6	Class 7	Class 8
6 3/8"	Class 5	Class 6	Class 7	Class 8
7 1/16"	Class 6	Class 7	Class 8	Class 9
7 3/8"	Class 6	Class 7	Class 8	Class 9
9"	Class 6	Class 7	Class 8	Class 9

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