

Marine Support Swivel

Series 1050, 1100, and 1400

APPLICATIONS

- Cutting casing, conductor, and drive pipe for full-floating and semisubmersible drilling rigs
- Cutting single- and multiple-string cemented casings

ADVANTAGES

- Facilitates cutting all sizes of casing, conductor, and drive pipe, including large-diameter and multiple-string cemented casing, without damaging wellhead equipment
- Accelerates well construction by reducing the number of required tool changes
- Provides reliable, trouble-free performance through high-quality materials and manufacturing

Cutting for full-floating vessels and semisubmersible drilling rigs

For floating-vessel operations, the marine support swivel vertically positions and supports downhole cutting tools from the wellhead to ensure a successful cut. The swivel allows free and full tool rotation with full circulation downhole.

Motion compensators or bumper subs installed above the swivel eliminate vertical motion from floating vessels, and a robust bearing design withstands the severe thrust and radial loads encountered during cutting.

Cutting for single- and multiple-string casings

The marine support swivel is designed for use with all Schlumberger hydraulic pipe cutters to cut all sizes of casing, conductor, and drive pipe used on full-floating vessels and semisubmersible drilling rigs.

Using the marine swivel makes multiple-string casing cutting and single-string casing cutting possible even when the casings are cemented together. The swivel accommodates outer-string casings of up to 36-in OD.

Simple, rugged design

The simple, rugged design makes the tool reliable and easy to maintain. High-quality materials and manufacturing processes help ensure safer operations without damaging wellhead equipment.



Simple, rugged design makes the marine support swivel reliable and easy to maintain.

Series	Support Ring OD, in [mm]	Support Ring Part No.	Max. Thrust-Bearing Capacity		Thrust Bearing Part No.
			Static Load, [†] lb [kg]	Dynamic Load, [‡] lb [kg]	
1050	13.650 [346.7]	9978	102,000 [46,266]	45,000 [20,412]	809785
	12.000 [304.8]	11125			
	13.375 [339.7]	10110			
1100	14.250 [362.0]	10032	91,500 [41,504]	23,000 [10,433]	870036
	16.250 [412.8]	10855			
	18.500 [469.9]	11257			
1400	14.250 [362.0]	13664	599,000 [271,702]	258,000 [117,027]	810768
	16.250 [412.8]	13663			
	20.000 [508.0]	60792			
	35.000 [889.0]	60194			

[†]Static load is the load that the bearing is capable of supporting without permanent deformation of the bearing components.

[‡]Dynamic load is the load carried at 33 1/3 rpm for 500 hours with no evidence of fatigue, as tested by the manufacturer.