

Swivel

5KCOS

For drilling shallow to medium depth water wells and for use on light to medium hydraulic rigs. For conventional or reverse circulation; also for pile-driving operations.

The King 5KCOS is a husky, compact swivel with an unrestricted fluid passage 5" in diameter for extra circulation.

Bearings are (2) two-row tapered roller type with more than ample thrust and radial capacity. Bearings are protected by automatic seals, which retain the lubricant and exclude abrasive substances.

The packing unit consists of Chevron V-Type rings and washpipe. The packing unit can be renewed, in a very few minutes, without breaking out any of the swivel connections.

The hose connection is 5" national pipe thread, furnished straight out or at a downward angle – 90 degrees to right or left - as specified. The Kelly Connection (bottom thread) is normally 6" national pipe thread, left hand. Other threading furnished on order.

Housing parts are flanged and bolted together with 12, 1" bolts. The bail has a stop to limit its swing to approximately 60 degrees from its normal position.

Weight and Dimensional Data

Type Swivel	Weight lbs.	Length	Working Length	Water-course	Bail Opening
5 KCOS-with 6 5/8" O.D. NPT LH	512	41"	34"	5"	6" x 8"

Hose Connection: 5" NPT
Lower Connection: 6" NPT Left Hand Pin

Capacity and Safety Data

Capacity lbs. at 70 R.P.M.	Static Load Limit lbs.	Safe Depth with Drill Pipe
35,000	150,000	6 5/8" - 25.20 lbs. @ 1,500'

5KCOS Parts List

Part Number	Name of Part	No. Required	Weight lbs.	Spares for One Year Service
N5CRC01	Bail	1	47	
N53GA12	Bail Pin	1	10	
N53GA11	Bail Pin Nut	2	3/4	
N5CRC04	Gooseneck	1	95	
N5KCOS05	Packing	1	1	6
N5KCOS06	Packing Box	1	17	2
N5CRC07	Upper Housing Seal	1	1/8	2
N5CRC08	Felt Washer	1	1/8	2
N5CRC09	Bearing Assembly	1	64	
N5KCOS10	Housing Stud	8	1	
N5KCOS11	Stud Nut	8	1	
N5CRC12	Bearing Housing	1	89	
N5KCOS13	Spindle Nut	1	20	
N5KCOS16	Lower Housing	1	187	
N5KCOS434	Spindle Thread Seal	1	1/8	1
N5KCOS20	Gooseneck Screws	6	1/4	
N5KCOS28	Lower Housing Seal	1	1/8	2
N5KCOS36	Packing Gland	1	2	3
N5KCOS37	Lantern Ring	2	2	1
N5KCOS38N	Adjusting Gland	1	6	1
N5KCOS39	Packing Seat Ring	1	1	1
N5KCOS40	Washpipe	1	10	3
N5KCOS252	O-Ring (Washpipe)	1	1/16	3
N5KCOS263	O-Ring (Packing Box)	1	1/16	3
N5CRC449	O-Ring (Housing)		1/16	1

