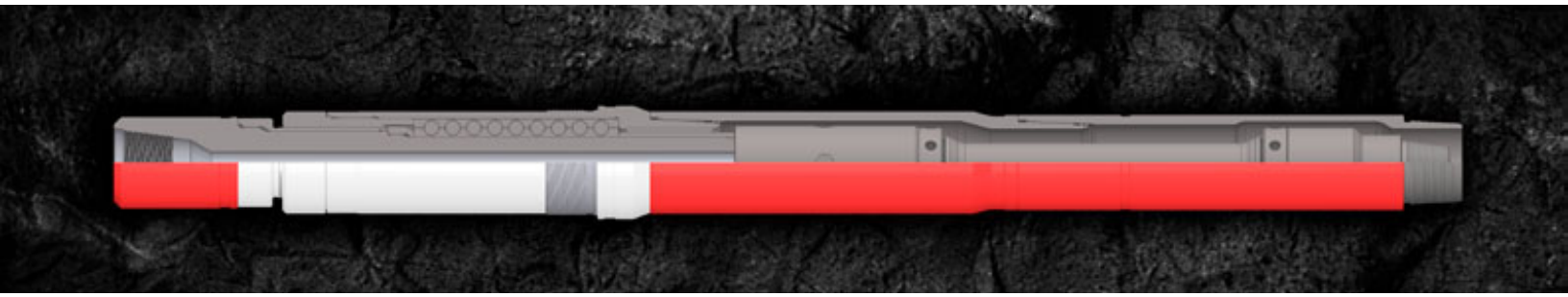
WZL M7

Mud Lubricated Bearing Assembly

SIMPLY RELIABLE. BUILT TO PERFORM.

The WZL M7 mud lubricated bearing assembly is a field proven, time-tested tool that continues to be trusted for its durable and reliable performance.



FEATURES & BENEFITS

Simply reliable. Built to perform.
WZL mud lube bearing assemblies are designed to be pushed hard. They withstand high weight, torque and downhole temperatures to help you cut through hard formations in aggressive environments.

The efficient and compact design of our mud lube bearing assemblies allows for easier service and consistent, predictable performance. These assemblies are supported with radial flow restrictor bearings above and below the bearing stack, ensuring optimal lubrication.

5" WK5 hybrid flex shaft driveline
Our newly designed 5" WK5 hybrid flex shaft driveline features an upgraded lower universal and single-piece upper connection. The universal joint features surface hardening and provides over 100% more contact area to keys. Additionally, a single piece drive-shaft-to-rotor connection eliminates accelerated wear.

Flexibility
Our M7 motor is designed to drill any conventional hole size, and the screw-on stabilizer feature enables the use of a wide variety of stabilizers with multiple gauge outside diameters. We also offer custom screw-on stabilizer designs to meet the needs of your unique application.

The M7 can also be equipped with our fixed bend or 0 – 3° adjustable bend for directional drilling, or straight housing for rotary steerable applications.

SPECIFICATIONS – IMPERIAL

					OPERATING CAPACITY				STATIC CAPACITY			
Nominal motor OD (in)	Nominal BA OD (in)	Bit box to bend (in)	Bit box to fixed bend (in)	Hole size (in)	WOB (lb)	Max bit overpull (lb)	Torque (ft-lb)	Flow rate (gpm)	WOB to re-run (lb)	Bit overpull to re-run (lb)	Body overpull (lb)	Torque (ft-lb)
4 ¾	5	57	46	5 ⅞ – 7 ⅞	48,000	48,000	5,500	375	213,000	72,000	404,000	8,500
5	5 ⅛	57	46	5 ⅞ – 7 ⅞	48,000	48,000	5,500	375	213,000	72,000	424,000	8,500
6 ½	6 ½	64	52	7 ⅞ – 9 ⅞	72,000	72,000	15,000	600	358,000	101,000	524,000	24,000
6 ¾	7	64	52	8 ½ – 9 ⅞	87,000	87,000	15,000	600	360,000	137,000	568,000	24,000
7	7	64	52	8 ½ – 9 ⅞	87,000	87,000	15,000	600	360,000	137,000	659,000	24,000
7 ¾	7 ¾	78	65	9 ⅝ – 12 ¼	112,000	112,000	22,000	950	546,000	216,000	563,000	35,000
8	8	78	65	9 ⅝ – 12 ¼	112,000	112,000	22,000	950	546,000	216,000	783,000	35,000
9 ⅝	9 ⅝	96	91	12 ¼ – 17 ½	132,000	132,000	30,000	1,350	772,000	223,000	1,177,000	48,000

Specifications are based on as-new condition and are subject to change without notice. Motor assemblies are available in a multitude of speeds and configurations.

SPECIFICATIONS – METRIC

					OPERATING CAPACITY				STATIC CAPACITY			
Nominal motor OD (mm)	Nominal BA OD (mm)	Bit box to bend (m)	Bit box to fixed bend (m)	Hole size (mm)	WOB (daN)	Max bit overpull (daN)	Torque (N·m)	Flow rate (lpm)	WOB to re-run (daN)	Bit overpull to re-run (daN)	Body overpull (daN)	Torque (N·m)
121	127	1.45	1.17	149 – 200	21,400	21,400	7,500	1,400	94,700	32,000	180,000	11,500
127	130	1.45	1.17	149 – 200	21,400	21,400	7,500	1,400	94,700	32,000	189,000	11,500
165	165	1.63	1.32	200 – 251	32,000	32,000	20,300	2,300	159,200	44,900	233,000	32,500
171	178	1.63	1.32	216 – 251	38,700	38,700	20,300	2,300	160,100	60,900	253,000	32,500
178	178	1.63	1.32	216 – 251	38,700	38,700	20,300	2,300	160,100	60,900	293,000	32,500
197	197	1.98	1.65	244 – 311	49,800	49,800	29,800	3,600	242,900	96,100	250,000	47,500
203	203	1.98	1.65	244 – 311	49,800	49,800	29,800	3,600	242,900	96,100	348,000	47,500
244	244	2.44	2.31	311 – 445	58,700	58,700	40,700	5,100	343,400	99,200	524,000	65,100

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