



Millennium Mud Lubricated Drilling Motor

The Wenzel Downhole Tools Millennium Mud Lubricated Motor is designed with patented technology for reliability in aggressive, higher temperature wells. Using the latest developments in high torque – high speed power sections, it provides users with an effective tool for delivering superior performance.

The Millennium Drilling Motors continue to offer the highest level of quality to customers through superior designs, materials, and manufacturing processes.

Features and Benefits

- ▶ Industry proven thrust and radial bearing technology, custom designed for mud lubricated drilling motor applications.
- ▶ Bearing Assembly design is straight forward and compact, making for easier service.
- ▶ Equipped with 0 - 3° Adjustable Bend Assembly.
- ▶ Option for shorter bit-to-bend Fixed Bend Assembly.
- ▶ Features the Maxi-Torque Driveline for use with high torque – high speed power sections.
- ▶ Inhouse manufactured components adhere to Wenzel's high standard of premium materials and quality production.
- ▶ Patented design.

Millennium Mud Lubricated Drilling Motor Specifications

IMPERIAL

Nominal OD (inch)	Bit Box to Bend (inch)	Bit Box to Fixed Bend (inch)	Hole Size (inch)	Standard Bit Box Thread (API)	Max WOB* (lbs)	Max Bit Overpull* (lbs)	Max WOB to Re-run** (lbs)	Max Bit Overpull to Re-run** (lbs)	Absolute Body Overpull** (lbs)
4 3/4	57	46	5 7/8 – 7 7/8	3 1/2 REG	48 000	48 000	213 000	72 000	436 000
5	57	46	5 7/8 – 7 7/8	3 1/2 REG	48 000	48 000	213 000	72 000	481 000
6 1/2	64	52	7 7/8 – 9 7/8	4 1/2 REG	72 000	72 000	358 000	101 000	550 000
6 3/4	64	52	8 1/2 – 9 7/8	4 1/2 REG	87 000	87 000	360 000	137 000	597 000
7 3/4	78	65	9 5/8 – 12 1/4	6 5/8 REG	112 000	112 000	546 000	216 000	638 000
8	78	65	9 5/8 – 12 1/4	6 5/8 REG	112 000	112 000	546 000	216 000	845 000
9 5/8	96	91	12 1/4 – 17 1/2	6 5/8 REG	132 000	132 000	772 000	223 000	1 097 000

METRIC

Nominal OD (mm)	Bit Box to Bend (m)	Bit Box to Fixed Bend (m)	Hole Size (mm)	Standard Bit Box Thread (API)	Max WOB* (daN)	Max Bit Overpull* (daN)	Max WOB to Re-run** (daN)	Max Bit Overpull to Re-run** (daN)	Absolute Body Overpull** (daN)
121	1.45	1.17	149 – 200	3 1/2 REG	21 000	21 000	95 000	32 000	194 000
127	1.45	1.17	149 – 200	3 1/2 REG	21 000	21 000	95 000	32 000	214 000
165	1.63	1.32	200 – 251	4 1/2 REG	32 000	32 000	159 000	45 000	245 000
171	1.63	1.32	216 – 251	4 1/2 REG	39 000	39 000	160 000	61 000	266 000
197	1.98	1.65	244 – 311	6 5/8 REG	50 000	50 000	243 000	96 000	284 000
203	1.98	1.65	244 – 311	6 5/8 REG	50 000	50 000	243 000	96 000	376 000
244	2.44	2.31	311 – 445	6 5/8 REG	59 000	59 000	343 000	99 000	488 000

*Operating Capacity

**Static Capacity

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.