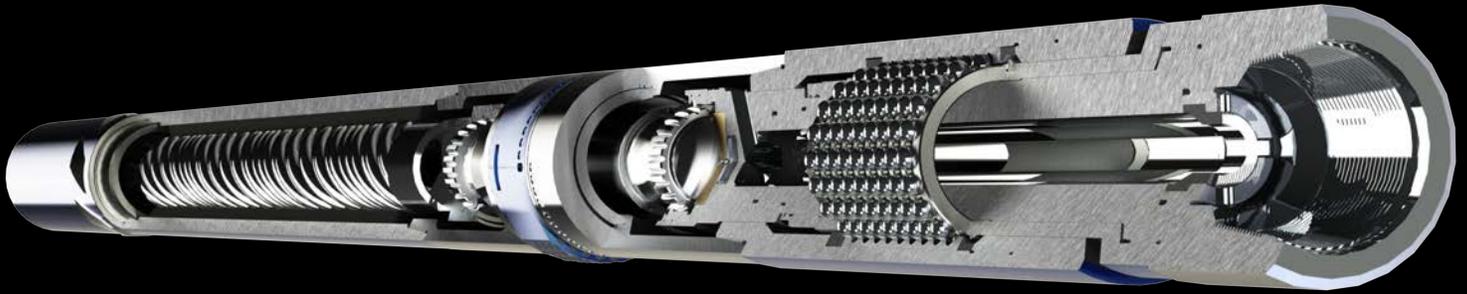


DYNOMAX

Mud Lubricated Motors

DYNOMAX[™]
DRILLING
TOOLS INC



DYNOMAX supplies leading performance drilling products engineered for the oil and gas industry.

We provide high value products and services for vertical, directional and horizontal drilling operations worldwide.

Our product lines include Mud Motors (Oil Lubricated and Mud Lubricated), Shock Tools, Drilling Jars, Slide Reamers, and Regulator Subs which bear our industry-leading technologies backed by experience in the field—tools that are built for extended uses. Our QA/QC Program ensures that every tool meets or exceeds expectations in the field.

BEARING SECTION

- Mud Lubricated Bearing Assembly
- Easily accessible nozzle design allows for a variety of flow rates and mud types to be utilized
- Can accommodate the use of screw on stabilizers or kick pads
- Robust industry proven design

BEND HOUSING (ADJUSTABLE OR FIXED)

- Standard Adjustable config. allows to adjust the bend setting on site from 0 – 3 degrees in 13 increments
- Offer either conventional hard band kick pads or TCI inserts with a gradual dome to help with steering, hole cleaning, and eccentric wear
- Offer fixed bend housing configurations which will shorten the bit to bend of the tool

DRIVE SHAFT

- Splined Drive Shaft Design to provide a vibration-free transmission of power through the motor

TOP CONNECTION

- Available with helical hard banding to help enhance getting cuttings to surface, limit drag and protecting the stator as well as expensive BHA assets nearby
- Float bore available to eliminate the need for a specific float sub
- Rotor catch available (allows flow through when engaged)
- Flex Subs for med. to high deviation
- Dump valve available upon request
- Premium connections available



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Available Sizes and Specifications on Reverse Side

	6-1/2	7	8	9-5/8	11-1/4
MOTOR OD	6-1/2 Inch (165 mm)	7 Inch (178 mm)	8 Inch (203 mm)	9-5/8 Inch (244 mm)	11-1/4 Inch (286 mm)
BIT SIZE RANGE	7-7/8 - 9-7/8 Inch (200 - 251 mm)	8-1/2 - 9-7/8 Inch (216 - 251 mm)	9-7/8 - 12-1/4 Inch (251 - 311 mm)	12-1/4 - 17-1/2 Inch (311 - 445 mm)	12-1/4 - 36 Inch (311 - 914 mm)
BIT BOX CONNECTION	4-1/2 REGULAR	4-1/2 REGULAR	6-5/8 REGULAR	6-5/8 - 7-5/8 REGULAR	7-5/8 REGULAR
BIT TO STABILIZER (CENTER)	17.6 inch (447 mm)	21.1 Inch (536 mm)	23.5 Inch (597 mm)	22.2 Inch (564 mm)	22.0 Inch (559 mm)
BIT TO BEND - ADJUSTABLE	67.9 inch (1,724 mm)	66.7 Inch (1,694 mm)	74.9 Inch (1,902 mm)	87.3 Inch (2,217 mm)	98.3 Inch (2,497 mm)
BIT TO BEND - FIXED	53.0 inch (1,346 mm)	54.6 Inch (1,387 mm)	60.1 Inch (1,524 mm)	87.3 Inch (2,217 mm)	N/A
ADJUSTABLE MAKEUP TORQUE	25,000 ft.lbs (33,895 Nm)	32,000 ft.lbs (43,386 Nm)	40,000 ft.lbs (54,233 Nm)	60,000 ft.lbs (81,349 Nm)	75,000 ft.lbs (101,687 Nm)
BEARING LOAD ON BOTTOM	Dynamic = 94,460 lbs (42,020 daN) Static = 298,112 lbs (132,610 daN)	Dynamic = 100,357 lbs (44,640 daN) Static = 358,795 lbs (159,600 daN)	Dynamic = 145,951 lbs (65,920 daN) Static = 499,521 lbs (222,200 daN)	Dynamic = 188,513 lbs (83,850 daN) Static = 764,925 lbs (340,260 daN)	Dynamic = 223,226 lbs (99,300 daN) Static = 841,813 lbs (374,460 daN)
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MAX. OVERPULL (FOR RE-RUN)	298,112 lbs (132,610 daN)	358,795 lbs (159,600 daN)	499,521 lbs (222,200 daN)	764,925 lbs (340,260 daN)	841,813 lbs (374,460 daN)
ABSOLUTE OVERPULL	628,200 lbs (279,000 daN)	721,400 lbs (321,000 daN)	904,100 lbs (402,000 daN)	1,202,300 lbs (535,000 daN)	1,775,700 lbs (790,000 daN)