

MUD MOTOR SPECIFICATION SHEET



ADJUSTABLE BENT HOUSING

AUSTRAL’s mud lubricated motors designed for durability, provide customers with an extended, reliable service life. With design, materials and manufacturing processes that are always improving, our line of drilling motors continues to offer users the highest efficiency for their drilling applications.

FEATURES AND BENEFITS

- Adjusting crown lift feature eliminates problems associated with stuck or seized adjusting crown.
- Large bore to accommodate Maxi-Torque driveline.
- Easy to set.
- Internal stop prevents rotation past 0 or 3 degrees setting position
- Higher make up torques.
- Suitable for use with even wall technology, hard rubber, and other high torque power sections.
- Adjustable from 0 to 3 degrees in 12 increments, other models adjustable from 0 to 2 degrees or 0 to 4 degrees are available upon request.

MUD LUBRICATED FEATURES

AUSTRAL’s mud lubricated motors designed to apply more weight on Bit, its robust improve design increase ROP, and save time on maintenance, only 2-3% of mud is used to lubricate bearing pack.

FEATURES AND BENEFITS

- Designed for higher bit weight, torque, and downhole temperatures.
- Angular contact bearing stack accommodates radial loads as well as axial loads in two directions.
- Fully supported with flow bearings above and below the bearing stack.
- The motor can be equipped with the Maxi-torque Driveline and the Easy Set, Adjustable Housing. Near bit stabilizers are also optional.



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MOTOR SPECIFICATIONS

Nominal OD	Bit Box to Bend	Hole Size	Standard Bit Box Thread	Max. WOB	Max. Pull While Back Reaming	Absolute overpull	Adjustable Make-up Torque
4-3/4"	5.13 ft	5-7/8"–7-7/8"	3-1/2 Reg	53,300 lbs	52,400 lbs	515,000 lbs	15,000 ft/lb
6-1/2"	5.57 ft	7-7/8"–9-7/8"	4-1/2 Reg	90,200 lbs	85,600 bs	780,000 lbs	35,000 ft/lb
8"	6.75 ft	9-5/8"–12-1/4"	6-5/8 Reg	105,000 lbs	175,000 lbs	1,116,000 lbs	45,000 ft/lb

POWER SECTION PERFORMANCE

Size (INCH)	Configuration	Flow Rates (GPM)	Bit Speed (RPM)	Stall Torque (Ft/lbs)	Max. Recommended Differential (PSI)
4-3/4"	5/6 6 Stg.	150 - 350	127 - 296	4,820	1,050
4-3/4"	5/6 8.3 Stg.	150 - 275	103 - 283	4,650	1,130
4-3/4"	7/8 2.2 Stg. Slow	100 - 300	30 - 92	4,093	385
4-3/4"	7/8 3.8 Stg.	150 - 300	76 - 152	4,215	665
4-3/4"	7/8 5 Stg.	150 - 300	94 - 189	4,789	875
4-3/4"	7/8 3.7 Stg.	150 - 300	23 - 123	7,232	875
4-3/4"	7/8 5 Stg.	150 - 300	94 - 189	4,789	875
4-3/4"	9/10 2.1 Stg.	150 - 300	26 - 51	7,983	362
6-1/2"	6/7 5 Stg.	200 - 500	68 - 169	9,978	875
6-1/2"	7/8 3 Stg.	300 - 600	59 - 118	9,797	525
6-1/2"	7/8 3 Stg. Slow	200 - 600	30 - 90	13,406	525
6-1/2"	7/8 4.8 Stg.	200 - 500	64 - 161	10,215	840
6-1/2"	7/8 6 Stg.	300 - 600	78 - 157	14,288	1,050
6-1/2"	9/10 3.5 Stg.	350 - 625	53 - 94	16,128	619
8.00"	7/8 2.5 Stg. Slow	300 - 900	22 - 66	19,224	438
8.00"	7/8 3 Stg.	300 - 900	51 - 153	11,325	525
8.00"	7/8 4 Stg.	300 - 900	48 - 143	17,203	700
8.00"	8/9 6 Stg.	300 - 900	65 - 196	18,821	1,050