



'Excellence in **Energy Services** for over 100 years'

Casper, WY (307) 265-6550
 Conroe, TX (936) 539-5545
 Latrobe, PA (724) 424-9714
 Oklahoma City, OK (405) 631-1222

Denver, CO (303) 228-9406
 Odessa, TX (432) 257-7545
 Williston, ND (701) 572-9942
 Nisku, AB Canada (780) 979-6799



Mud Motor Specification Sheet

5" 6/7 7.0 (.82) 5" OD, 6/7 Lobe, 7.0 Stages

Physical Data

Bit size range	Bit box connection	Top sub connection	Maximum weight on bit	Maximum overpull
5 7/8" - 6 3/4"	3 1/2" Reg	3 1/2" IF Box	30,500 lbs	90,000 lbs

Recommended Drilling Fluid Properties

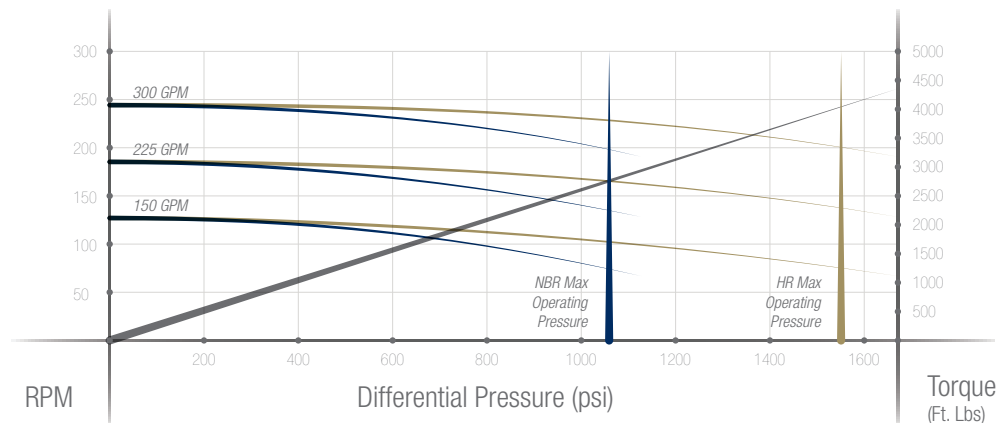
Sand content (Maximum)	Low gravity solids (LGS) (Maximum)	Total solids (Maximum)	pH	Aniline point (OBM) (Minimum)	Chlorides (Maximum)	Lost circulation material (LCM)
Trace	4%	8%	8 to 10	165° F	150,000 ppm	Thoroughly mix before pumping downhole

Performance Specifications

	Rev / Gal	Flow range	Speed range	Max operating diff pressure	Torque at max operating diff pressure	Stall diff pressure	Torque at stall pressure	Max temp for max operating diff pressure
NBR	0.82	150 - 300 GPM	123 - 246 RPM	1,050 psi	2,793 ft. lbs	1,575 psi	4,190 ft. lbs	150° F*
HR	0.82	150 - 300 GPM	123 - 246 RPM	1,575 psi	4,190 ft. lbs	2,363 psi	6,284 ft. lbs	150° F*

* For temperatures exceeding 150° F, please refer to Hunting's derating of differential pressure due to downhole temperature.

- HR Elastomer •
- NBR Elastomer •
- Torque •



Dimensional Data

Continuous Maximum Rotary RPM

	Bit to Bend	Bit to Stabilizer	Overall Length	1.25° Bend	1.50° Bend	1.83° Bend	2.12° Bend	2.38° Bend
Straight	NA	25"	28 ft	Straight Configuration: 80 RPM				
Fixed Bend	60"	25"	26 ft	60	50	40	30	20
Adjustable	60"	25"	26 ft	60	40	Not recommended	Not recommended	Not recommended

Predicted Build Rates *Degrees / 100 Ft.*

Hole Size	Configuration	1.25° Bend	1.50° Bend	1.83° Bend	2.12° Bend	2.38° Bend
6" Hole	Slick	6.86	8.78	11.32	13.55	15.55
	Stabilized	8.44	10.12	12.35	14.30	16.05
6 1/8" Hole	Slick	6.40	8.32	10.86	13.09	15.09
	Stabilized	8.54	10.22	12.44	14.40	16.15
6 1/2" Hole	Slick	5.02	6.94	9.48	11.71	13.71
	Stabilized	8.82	10.51	12.73	14.68	16.43