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Mud Motor Specification Sheet

5" 7/8 3.8 (.52) 5" OD, 7/8 Lobe, 3.8 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

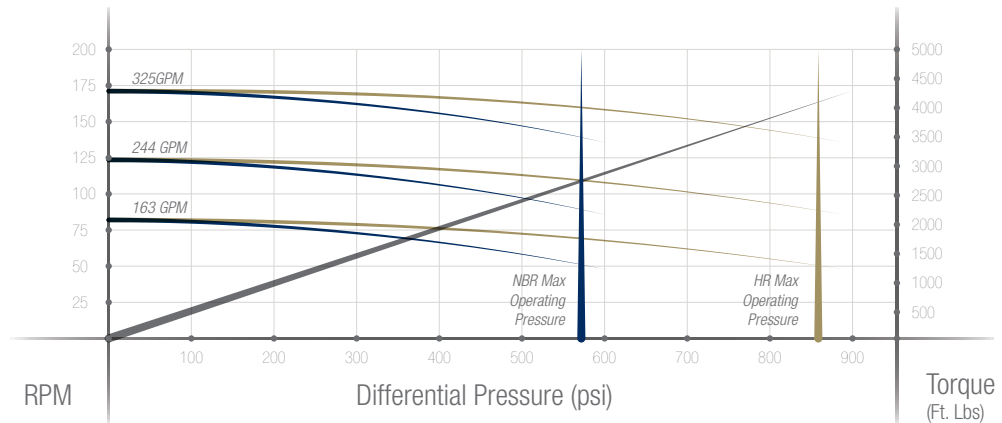
Sand content (Maximum)	Low gravity solids (LGS) (Maximum)	Total solids (Maximum)	pH	Aniline point (OBM) (Minimum)	Chlorides (Maximum)	Lost circulation material (LCM)
Trace	4%	8%	8 to 10	165° F	150,000 ppm	Thoroughly mix before pumping downhole

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	0.52	163 - 325 GPM	85 - 169 RPM	570 psi	2,787 ft. lbs	855 psi	4,181 ft. lbs	150° F*
HR	0.52	163 - 325 GPM	85 - 169 RPM	855 psi	4,181 ft. lbs	1,283 psi	6,271 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"	26 ft	Straight Configuration: 80 RPM				
Fixed Bend	60"	25"	24 ft	60	50	40	30	20
Adjustable	60"	25"	24 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	7.46	9.54	12.30	14.73	16.90
	Stabilized	9.13	10.93	13.32	15.41	17.29
6 1/8" Hole	Slick	6.96	9.05	11.80	14.23	16.40
	Stabilized	9.24	11.05	13.43	15.53	17.40
6 1/2" Hole	Slick	5.46	7.55	10.31	12.73	14.90
	Stabilized	9.58	11.39	13.77	15.87	17.75