



## Mud Motor Specification Sheet

### 6.50" 7/8 3.5 (.21) 6.50" OD, 7/8 Lobe, 3.5 Stages

#### Physical Data

Bit size range	Bit box connection	Top sub connection	Maximum weight on bit	Maximum overpull
7 7/8" - 8 3/4"	4 1/2" Reg	4 1/2" XH Box	54,250 lbs	200,000 lbs

#### Recommended Drilling Fluid Properties

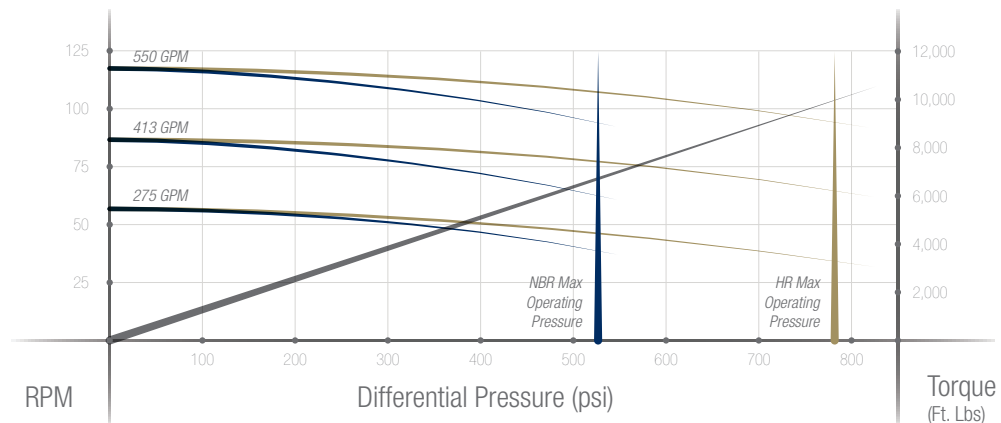
Sand content (Maximum)	Low gravity solids (LGS) (Maximum)	Total solids (Maximum)	pH	Aniline point (OBM) (Minimum)	Chlorides (Maximum)	Lost circulation material (LCM)
Trace	4%	8%	8 to 10	165° F	150,000 ppm	Thoroughly mix before pumping downhole

#### 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	0.21	275 - 550 GPM	58 - 116 RPM	525 psi	6,610 ft. lbs	788 psi	9,915 ft. lbs	150° F*
HR	0.21	275 - 550 GPM	58 - 116 RPM	788 psi	9,915 ft. lbs	1,181 psi	14,872 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	31"	33 ft. 2 in	Straight Configuration: 80 RPM				
Fixed Bend	72"	31"	29 ft. 2 in	60	50	40	30	20
Adjustable	72"	31"	29 ft. 2 in	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
7 7/8" Hole	Slick	5.59	7.34	9.64	11.66	13.47
	Stabilized	7.49	8.95	10.88	12.57	14.09
8 1/2" Hole	Slick	3.86	5.60	7.90	9.93	11.74
	Stabilized	7.88	9.34	11.26	12.96	14.47
8 3/4" Hole	Slick	3.17	4.91	7.21	9.23	11.04
	Stabilized	8.03	9.49	11.42	13.11	14.63