



## Mud Motor Specification Sheet

### 6.50" 7/8 3.8 (.16) 6.50" OD, 7/8 Lobe, 3.8 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

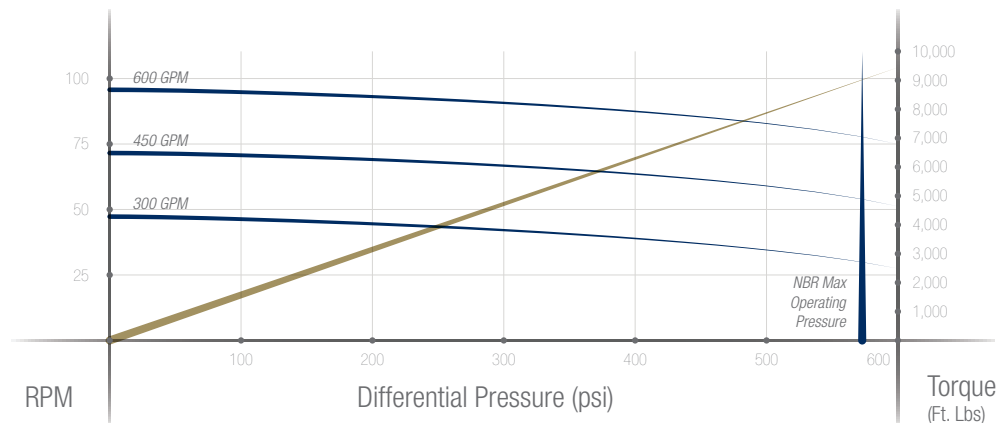
Sand content (Maximum)	Low gravity solids (LGS) (Maximum)	Total solids (Maximum)	pH	Aniline point (OBM) (Minimum)	Chlorides (Maximum)	Lost circulation material (LCM)
Trace	4%	8%	8 to 10	165° F	150,000 ppm	Thoroughly mix before pumping downhole

#### 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	0.16	300 - 600 GPM	48 - 96 RPM	570 psi	8,983 ft. lbs	855 psi	13,475 ft. lbs	150° F*
HR	Contact a Hunting representative for more information							

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

**NBR Elastomer •**  
**Torque •**



#### Dimensional Data

	Bit to Bend	Bit to Stabilizer	Overall Length	Continuous Maximum Rotary RPM				
				1.25° Bend	1.50° Bend	1.83° Bend	2.12° Bend	2.38° Bend
Straight	NA	31"	38 ft. 10 in	Straight Configuration: 80 RPM				
Fixed Bend	72"	31"	35 ft	60	50	40	30	20
Adjustable	72"	31"	35 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
7 7/8" Hole	Slick	4.67	6.12	8.04	9.72	11.24
	Stabilized	6.34	7.60	9.26	10.72	12.02
8 1/2" Hole	Slick	3.22	4.67	6.59	8.28	9.79
	Stabilized	6.60	7.86	9.52	10.98	12.29
8 3/4" Hole	Slick	2.64	4.10	6.01	7.70	9.21
	Stabilized	6.71	7.97	9.63	11.09	12.39