



## Mud Motor Specification Sheet

### 7" 7/8 5.0 (.29) 7" OD, 7/8 Lobe, 5.0 Stages

#### Physical Data

Bit size range	Bit box connection	Top sub connection	Maximum weight on bit	Maximum overpull
8 1/2" - 9 7/8"	4 1/2" Reg	4 1/2" XH Box	90,000 lbs	200,000 lbs

#### Recommended Drilling Fluid Properties

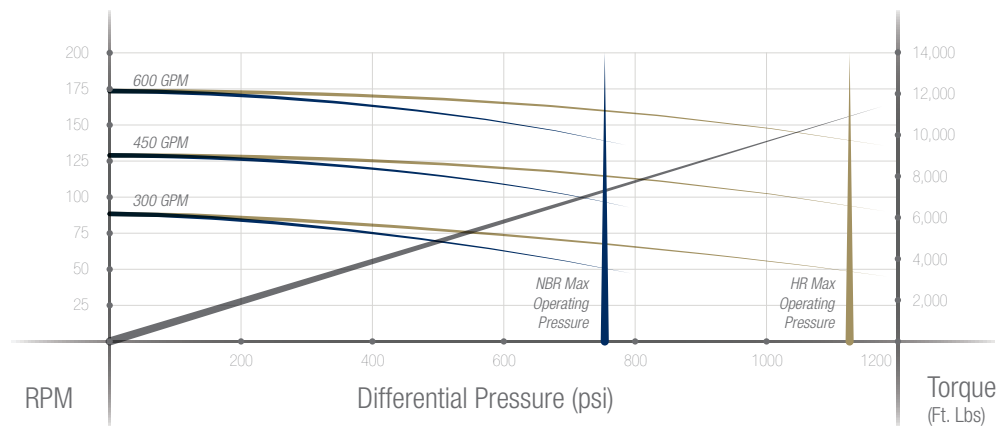
Sand content (Maximum)	Low gravity solids (LGS) (Maximum)	Total solids (Maximum)	pH	Aniline point (OBM) (Minimum)	Chlorides (Maximum)	Lost circulation material (LCM)
Trace	4%	8%	8 to 10	165° F	150,000 ppm	Thoroughly mix before pumping downhole

#### 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	0.29	300 - 600 GPM	87 - 174 RPM	750 psi	7,260 ft. lbs	1,125 psi	10,890 ft. lbs	150° F*
HR	0.29	300 - 600 GPM	87 - 174 RPM	1,125 psi	10,890 ft. lbs	1,688 psi	16,335 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	NA	29 ft. 8 in	Straight Configuration: 100 RPM				
Fixed Bend	48"	NA	26 ft. 3 in	100	100	80	35	25
Adjustable	60"	NA	26 ft. 3 in	70	50	Not Recommended	Not Recommended	Not Recommended
TDS	Contact Hunting	NA	26 ft. 3 in	80	60	45	30	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
8 1/2" Hole	Slick	4.81	6.65	9.08	11.21	13.13
	Stabilized	9.43	11.23	13.60	15.68	17.55
8 3/4" Hole	Slick	3.93	5.77	8.20	10.33	12.25
	Stabilized	9.64	11.43	13.08	15.89	17.75