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# Mud Motor Specification Sheet

## 6.50" 7/8 2.9 (.17) 6.50" OD, 7/8 Lobe, 2.9 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

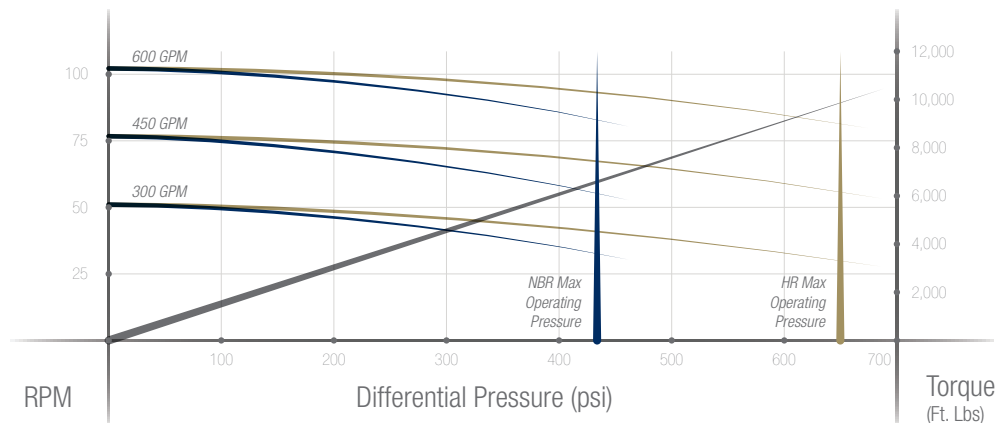
| Sand content (Maximum) | Low gravity solids (LGS) (Maximum) | Total solids (Maximum) | pH      | Aniline point (OBM) (Minimum) | Chlorides (Maximum) | Lost circulation material (LCM)        |
|------------------------|------------------------------------|------------------------|---------|-------------------------------|---------------------|--|
| 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 | 0.17      | 300 - 600 GPM | 51 - 102 RPM | 435 psi                     | 6,638 ft. lbs                         | 653 psi             | 9,957 ft. lbs            | 150° F*                                  |
| HR  | 0.17      | 300 - 600 GPM | 51 - 102 RPM | 653 psi                     | 9,957 ft. lbs                         | 979 psi             | 14,936 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          | Straight Configuration: 80 RPM |            |                 |                 |                 |
| Fixed Bend | 72"         | 31"               | 29 ft          | 60                             | 50         | 40              | 30              | 20              |
| Adjustable | 72"         | 31"               | 29 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         | 5.64       | 7.39       | 9.71       | 11.74      | 13.57      |
|             | Stabilized    | 7.54       | 9.01       | 10.95      | 12.65      | 14.18      |
| 8 1/2" Hole | Slick         | 3.89       | 5.64       | 7.96       | 10.00      | 11.82      |
|             | Stabilized    | 7.93       | 9.40       | 11.34      | 13.04      | 14.57      |
| 8 3/4" Hole | Slick         | 3.19       | 4.95       | 7.26       | 9.30       | 11.13      |
|             | Stabilized    | 8.09       | 9.56       | 11.49      | 13.20      | 14.72      |