

# 9.625"

(244 mm)

# 5640

CONFIGURATION



### SPECIFICATIONS

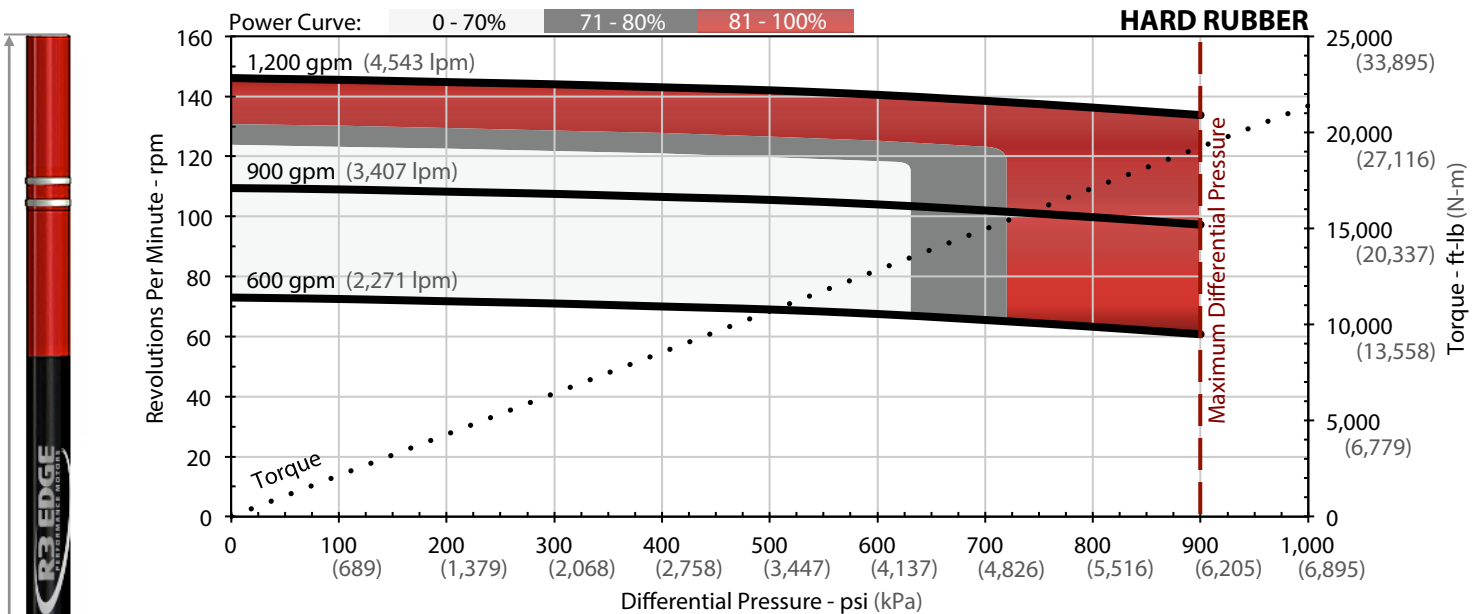
|                                | IMPERIAL             | METRIC                 |
|--------------------------------|----------------------|------------------------|
| Maximum Differential Pressure  | 900 psi              | (6,205 kPa)            |
| Torque at Maximum Differential | 19,240 ft-lb         | (26,085 N-m)           |
| Stall Torque                   | 28,850 ft-lb         | (39,115 N-m)           |
| Flow Range                     | 600 - 1,200 gpm      | (2,271 - 4,543 lpm)    |
| RPM Ratio                      | 0.12 Revolutions / g | (0.03 Revolutions / l) |
| RPM Range                      | 73 - 146 rpm         | (73 - 146 rpm)         |
| Recommended Hole Sizes         | 12.25 - 17.50 in     | (311 - 445 mm)         |
| Maximum Weight on Bit          | 205,000 lb           | (91,200 daN)           |
| Maximum Overpull (Static)      | 975,000 lb           | (433,700 daN)          |
| Overall Weight                 | 5,598 lb             | (2,539 kg)             |

### LENGTH

|                   | IMPERIAL  | METRIC   |
|-------------------|-----------|----------|
| (A) to Stabilizer | 18.00 in  | (0.46 m) |
| (B) to Adj. Bend  | 87.65 in  | (2.23 m) |
| (B) to Fixed Bend | 72.80 in  | (1.85 m) |
| (C) Overall       | 374.17 in | (9.50 m) |

### ADJUSTABLE

|               | IMPERIAL     | METRIC       |
|---------------|--------------|--------------|
| Make-Up Value | 60,000 ft-lb | (81,300 N-m) |



### 0 - 3° ADJUSTABLE Degrees / 100 ft (30 m)

| BEND  | 12.25" HOLE SIZE |      | 14.75" HOLE SIZE |      | 17.50" HOLE SIZE |      |
|-------|------------------|------|------------------|------|------------------|------|
| 0.39° | -                | 2.9  | -                | 4.1  | -                | 5.5  |
| 0.78° | 1.4              | 5.2  | -                | 6.5  | -                | 7.8  |
| 1.15° | 3.7              | 7.4  | -                | 8.7  | -                | 10.0 |
| 1.50° | 5.9              | 9.5  | 1.6              | 10.8 | -                | 12.1 |
| 1.83° | 7.9              | 11.5 | 3.6              | 12.7 | -                | 14.1 |
| 2.12° | 9.7              | 13.2 | 5.4              | 14.4 | 0.7              | 15.8 |
| 2.38° | 11.3             | 14.8 | 7.0              | 16.0 | 2.3              | 17.4 |
| 2.60° | 12.7             | 16.1 | 8.4              | 17.3 | 3.6              | 18.7 |
| 2.77° | 13.7             | 17.1 | 9.4              | 18.3 | 4.7              | 19.7 |
| 2.90° | 14.5             | 17.9 | 10.2             | 19.1 | 5.5              | 20.5 |
| 2.97° | 15.0             | 18.3 | 10.7             | 19.5 | 5.9              | 20.9 |
| 3.00° | 15.1             | 18.5 | 10.8             | 19.7 | 6.1              | 21.1 |

SLICK / 1 STAB

### FIXED HOUSING Degrees / 100 ft (30 m)

| BEND  | 12.25" HOLE SIZE |      | 14.75" HOLE SIZE |      | 17.50" HOLE SIZE |      |
|-------|------------------|------|------------------|------|------------------|------|
| 1.50° | 5.3              | 9.9  | 0.2              | 11.1 | -                | 12.5 |
| 1.83° | 7.3              | 12.0 | 2.3              | 13.2 | -                | 14.6 |
| 2.38° | 10.7             | 15.4 | 5.7              | 16.6 | -                | 18.0 |

SLICK / 1 STAB

Figures are for reference only. Stabilized build rates assume a lower stabilizer 0.125" undergauge. Actual performance may vary based on tool and operating conditions. Refer to temperature and mud scaling curves for optimal performance and reliability. Rotating above 1.50° may cause damage to the performance motor at certain RPM's. Running above 80% will be done so at client's risk. Contact your R3 EDGE representative to confirm ideal operating specifications. Updated July 2014.