

6.50" | 6.75" | 4570
 (165 mm) | (171 mm) CONFIGURATION



SPECIFICATIONS

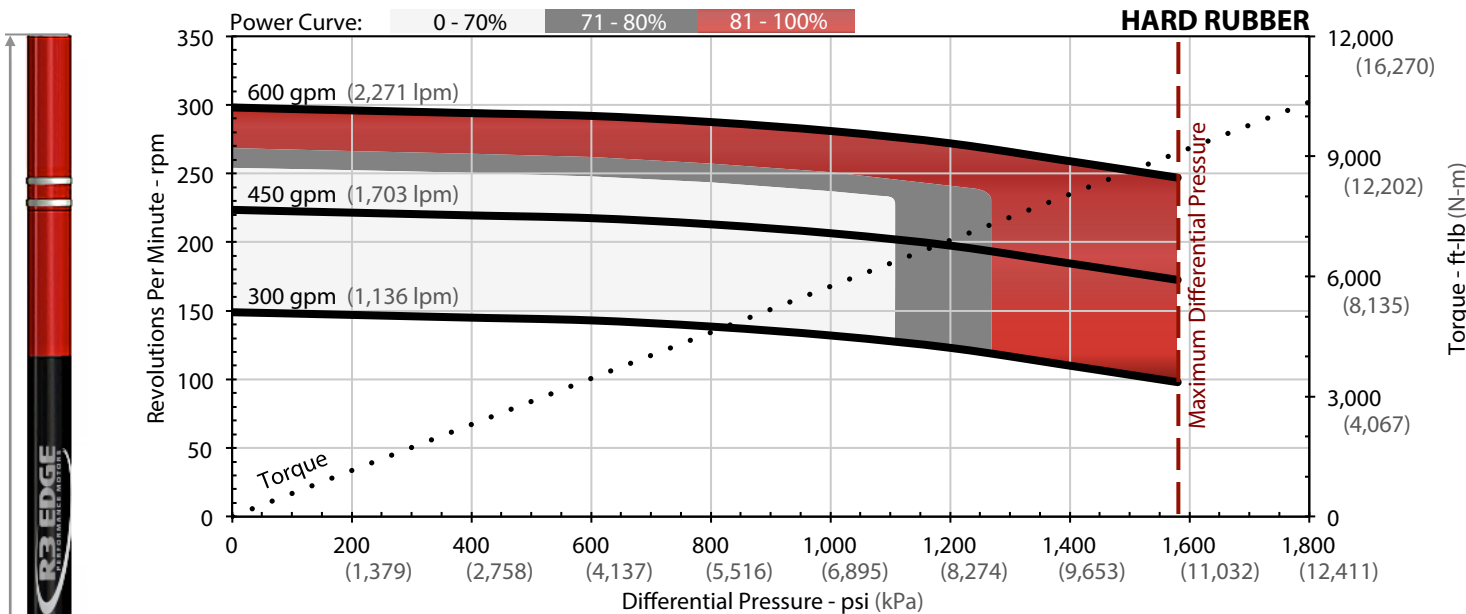
| | IMPERIAL | METRIC |
|--------------------------------|----------------------|------------------------|
| Maximum Differential Pressure | 1,580 psi | (10,894 kPa) |
| Torque at Maximum Differential | 9,090 ft-lb | (12,320 N-m) |
| Stall Torque | 13,630 ft-lb | (18,480 N-m) |
| Flow Range | 300 - 600 gpm | (1,136 - 2,271 lpm) |
| RPM Ratio | 0.50 Revolutions / g | (0.13 Revolutions / l) |
| RPM Range | 149 - 298 rpm | (149 - 298 rpm) |
| Recommended Hole Sizes | 7.875 - 8.75 in | (200 - 222 mm) |
| Maximum Weight on Bit | 105,000 lb | (46,700 daN) |
| Maximum Overpull (Static) | 479,000 lb | (213,100 daN) |
| Overall Weight | 2,237 lb | (1,015 kg) |

LENGTH

| | IMPERIAL | METRIC |
|-------------------|-----------|----------|
| (A) to Stabilizer | 15.10 in | (0.38 m) |
| (B) to Adj. Bend | 56.70 in | (1.44 m) |
| (B) to Fixed Bend | 53.50 in | (1.36 m) |
| (C) Overall | 330.54 in | (8.40 m) |

ADJUSTABLE

| | IMPERIAL | METRIC |
|---------------|--------------|--------------|
| Make-Up Value | 30,000 ft-lb | (40,700 N-m) |



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

| BEND | 7.875" HOLE SIZE | 8.50" HOLE SIZE | 8.75" HOLE SIZE | SDF-CB DEEPER | |
|-------|------------------|-----------------|-----------------|---------------|------|
| 0.39° | 0.9 | 2.6 | - | 3.0 | 3.1 |
| 0.78° | 4.0 | 5.3 | 2.1 | 5.7 | 5.9 |
| 1.15° | 7.0 | 8.0 | 5.1 | 8.4 | 8.5 |
| 1.50° | 9.8 | 10.4 | 7.9 | 10.8 | 11.0 |
| 1.83° | 12.4 | 12.8 | 10.6 | 13.2 | 13.3 |
| 2.12° | 14.7 | 14.8 | 12.9 | 15.2 | 15.4 |
| 2.38° | 16.8 | 16.7 | 15.0 | 17.1 | 17.3 |
| 2.60° | 18.6 | 18.3 | 16.7 | 18.7 | 18.8 |
| 2.77° | 20.0 | 19.5 | 18.1 | 19.9 | 20.0 |
| 2.90° | 21.0 | 20.4 | 19.1 | 20.8 | 20.9 |
| 2.97° | 21.6 | 20.9 | 19.7 | 21.3 | 21.4 |
| 3.00° | 21.8 | 21.1 | 19.9 | 21.5 | 21.7 |

FIXED HOUSING Degrees / 100 ft (30 m)

| BEND | 7.875" HOLE SIZE | 8.50" HOLE SIZE | 8.75" HOLE SIZE | SDF-CB DEEPER | |
|-------|------------------|-----------------|-----------------|---------------|------|
| 1.50° | 9.6 | 10.6 | 7.7 | 11.0 | 11.1 |
| 1.75° | 11.6 | 12.3 | 9.7 | 12.7 | 12.9 |
| 1.90° | 12.8 | 13.4 | 10.9 | 13.8 | 14.0 |
| 2.00° | 13.6 | 14.1 | 11.7 | 14.5 | 14.7 |
| 2.12° | 14.6 | 15.0 | 12.7 | 15.4 | 15.6 |
| 2.25° | 15.6 | 15.9 | 13.7 | 16.3 | 16.5 |
| 2.50° | 17.7 | 17.7 | 15.7 | 18.1 | 18.3 |
| 2.60° | 18.5 | 18.4 | 16.5 | 18.8 | 19.0 |

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.