

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

6727
CONFIGURATION
EVEN WALL PERFORMANCE



SPECIFICATIONS

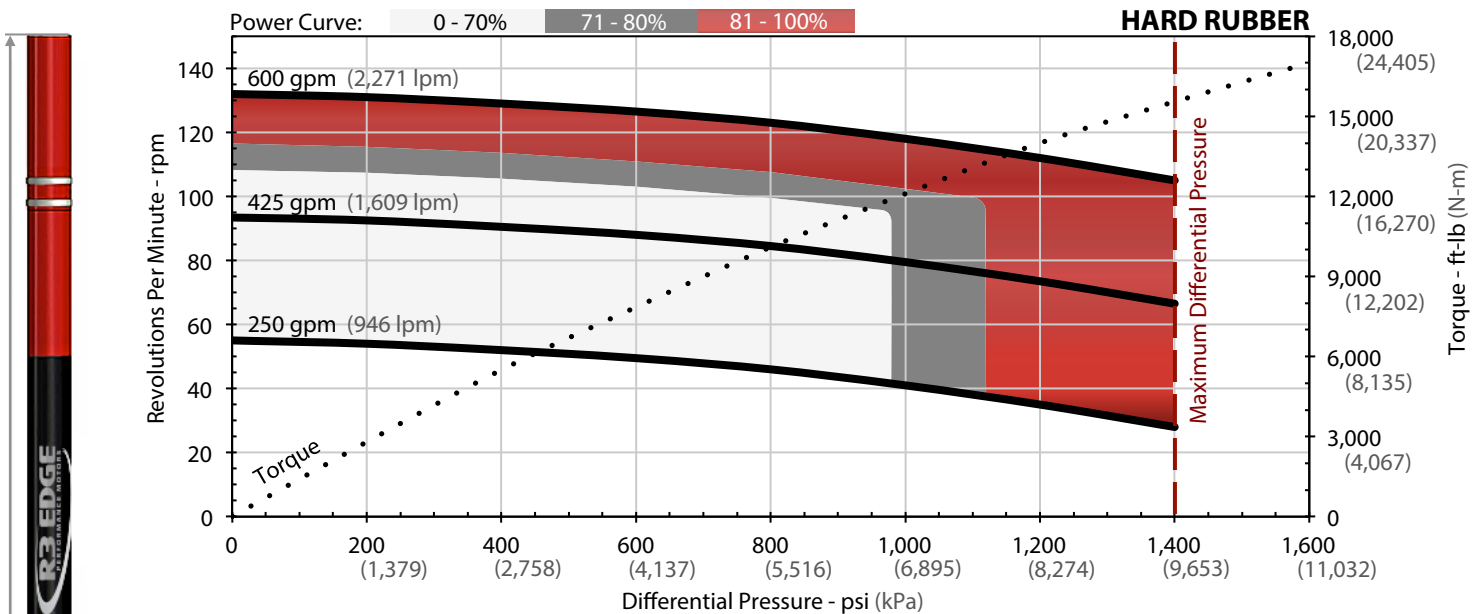
| | IMPERIAL | METRIC |
|--------------------------------|----------------------|------------------------|
| Maximum Differential Pressure | 1,400 psi | (9,650 kPa) |
| Torque at Maximum Differential | 15,550 ft-lb | (21,080 N-m) |
| Stall Torque | 20,800 ft-lb | (28,200 N-m) |
| Flow Range | 250 - 600 gpm | (946 - 2,271 lpm) |
| RPM Ratio | 0.22 Revolutions / g | (0.06 Revolutions / l) |
| RPM Range | 55 - 132 rpm | (55 - 132 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 | 2,923 lb | (1,326 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 | 350.54 in | (8.90 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 DE-CH-DERR | |
|-------|------------------|-----------------|-----------------|-------------------|------|
| 0.39° | 0.8 | 2.4 | - | 2.8 | 2.9 |
| 0.78° | 3.8 | 5.1 | 2.0 | 5.4 | 5.6 |
| 1.15° | 6.6 | 7.6 | 4.9 | 8.0 | 8.1 |
| 1.50° | 9.3 | 10.0 | 7.5 | 10.3 | 10.5 |
| 1.83° | 11.8 | 12.2 | 10.0 | 12.6 | 12.7 |
| 2.12° | 14.0 | 14.2 | 12.3 | 14.6 | 14.7 |
| 2.38° | 16.0 | 16.0 | 14.2 | 16.3 | 16.5 |
| 2.60° | 17.7 | 17.5 | 15.9 | 17.8 | 18.0 |
| 2.77° | 19.0 | 18.6 | 17.2 | 19.0 | 19.1 |
| 2.90° | 20.0 | 19.5 | 18.2 | 19.9 | 20.0 |
| 2.97° | 20.5 | 20.0 | 18.8 | 20.4 | 20.5 |
| 3.00° | 20.7 | 20.2 | 19.0 | 20.6 | 20.7 |

FIXED HOUSING

Degrees / 100 ft (30 m)

| BEND | 7.875" HOLE SIZE | 8.50" HOLE SIZE | 8.75" HOLE SIZE | SDF-CB DE-CH-DERR | |
|-------|------------------|-----------------|-----------------|-------------------|------|
| 1.50° | 9.2 | 10.1 | 7.3 | 10.4 | 10.6 |
| 1.75° | 11.1 | 11.8 | 9.2 | 12.2 | 12.3 |
| 1.90° | 12.2 | 12.8 | 10.4 | 13.2 | 13.3 |
| 2.00° | 13.0 | 13.5 | 11.1 | 13.9 | 14.0 |
| 2.12° | 13.9 | 14.3 | 12.1 | 14.7 | 14.8 |
| 2.25° | 14.9 | 15.2 | 13.0 | 15.6 | 15.7 |
| 2.50° | 16.8 | 17.0 | 15.0 | 17.3 | 17.5 |
| 2.60° | 17.6 | 17.6 | 15.7 | 18.0 | 18.1 |

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.