

6.50" | 6.75" | 7867  
 (165 mm) | (171 mm) | CONFIGURATION



**SPECIFICATIONS**

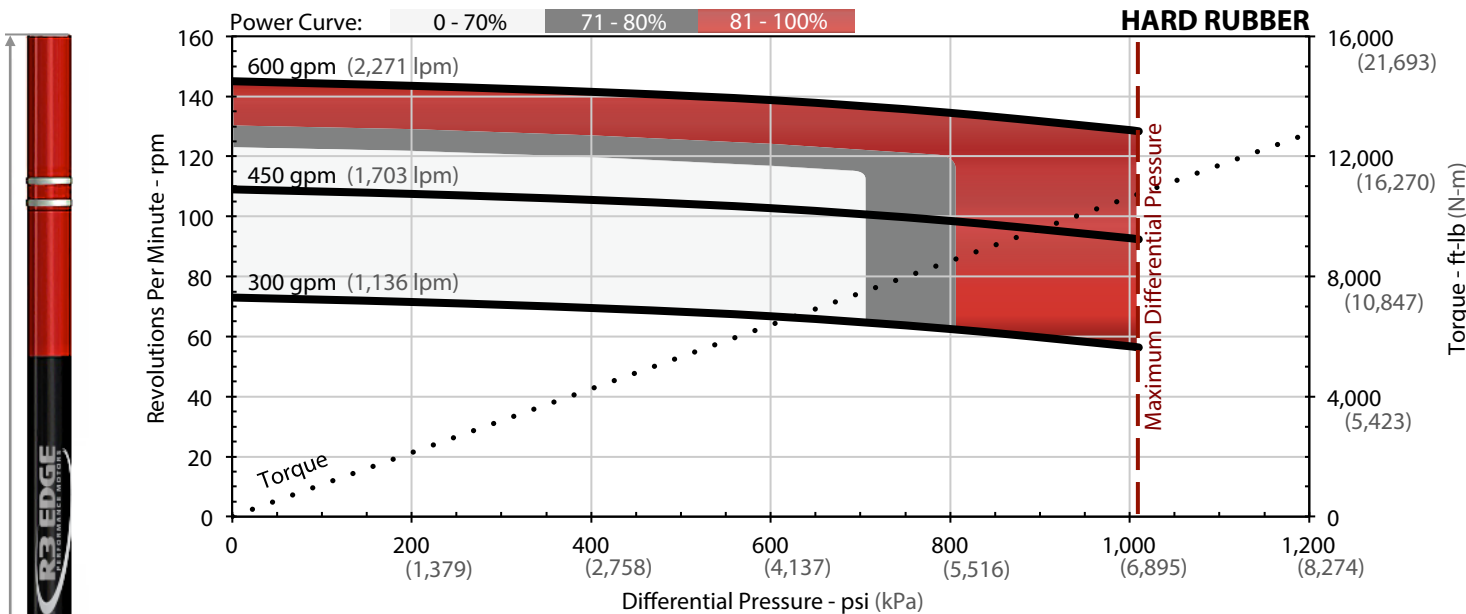
	IMPERIAL	METRIC
Maximum Differential Pressure	1,010 psi	(6,965 kPa)
Torque at Maximum Differential	10,750 ft-lb	(14,575 N-m)
Stall Torque	16,130 ft-lb	(21,870 N-m)
Flow Range	300 - 600 gpm	(1,136 - 2,271 lpm)
RPM Ratio	0.24 Revolutions / g	(0.06 Revolutions / l)
RPM Range	73 - 145 rpm	(73 - 145 rpm)
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	2,854 lb	(1,295 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	420.34 in	(10.68 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°	0.7	2.0	-	2.3	2.4	
0.78°	3.3	4.4	1.8	4.7	4.7	
1.15°	5.7	6.6	4.2	6.8	6.9	
1.50°	8.0	8.7	6.5	8.9	9.0	
1.83°	10.1	10.7	8.7	10.9	11.0	
2.12°	12.0	12.4	10.6	12.7	12.8	
2.38°	13.8	14.0	12.3	14.2	14.3	
2.60°	15.2	15.3	13.7	15.5	15.6	
2.77°	15.9	15.9	14.8	16.6	16.6	
2.90°	17.2	17.1	15.7	17.3	17.4	
2.97°	17.6	17.5	16.2	17.7	17.8	
3.00°	17.8	17.7	16.4	17.9	18.0	
	SLICK	1 STAB	SLICK	1 STAB	SLICK	1 STAB

**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°	8.2	8.8	6.6	9.0	9.1	
1.75°	9.8	10.3	8.3	10.5	10.6	
1.90°	10.8	11.2	9.2	11.4	11.5	
2.00°	11.4	11.8	9.9	12.0	12.1	
2.12°	12.2	12.5	10.7	12.7	12.8	
2.25°	13.1	13.5	11.5	13.5	13.6	
2.50°	14.7	14.8	13.2	15.0	15.1	
2.60°	15.4	15.4	13.8	15.6	15.7	
	SLICK	1 STAB	SLICK	1 STAB	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.