

# 6.50" | 6.75" 7833M CONFIGURATION

(165 mm) (171 mm)



## SPECIFICATIONS

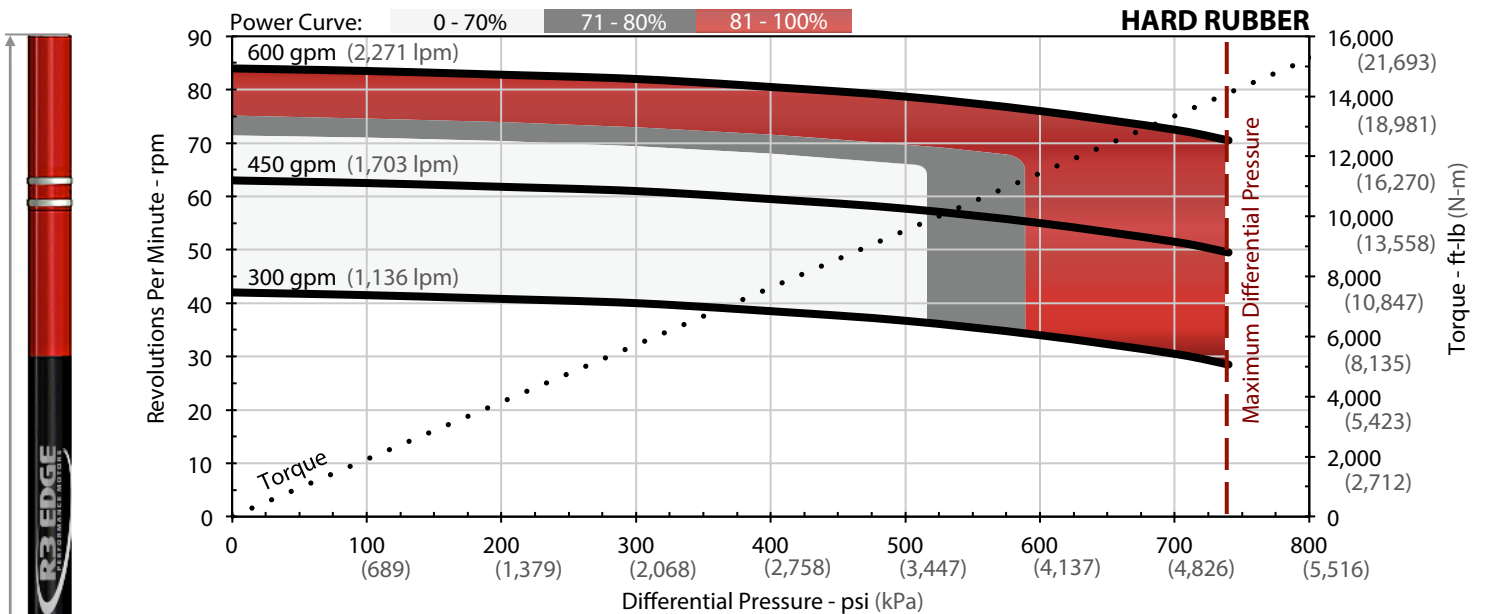
	IMPERIAL	METRIC
Maximum Differential Pressure	740 psi	(5,100 kPa)
Torque at Maximum Differential	14,110 ft-lb	(19,130 N-m)
Stall Torque	21,160 ft-lb	(28,690 N-m)
Flow Range	300 - 600 gpm	(1,136 - 2,271 lpm)
RPM Ratio	0.14 Revolutions / g	(0.04 Revolutions / l)
RPM Range	42 - 84 rpm	(42 - 84 rpm)
Recommended 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	2,483 lb	(1,126 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	365.54 in	(9.28 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°	0.8	2.3	-	2.7	2.8
0.78°	3.7	4.9	2.0	5.2	5.4
1.15°	6.4	7.4	4.7	7.7	7.8
1.50°	9.0	9.7	7.3	10.0	10.1
1.83°	11.4	11.9	9.7	12.2	12.3
2.12°	13.5	13.8	11.8	14.1	14.2
2.38°	15.4	15.5	13.8	15.8	16.0
2.60°	17.1	17.0	15.4	17.3	17.4
2.77°	18.3	18.1	16.6	18.4	18.5
2.90°	19.3	18.9	17.6	19.3	19.4
2.97°	19.8	19.4	18.1	19.7	19.9
3.00°	20.0	19.6	18.3	19.9	20.1

## 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°	9.2	9.8	7.4	10.1	10.2
1.75°	11.0	11.4	9.3	11.8	11.9
1.90°	12.1	12.4	10.4	12.8	12.9
2.00°	12.9	13.1	11.1	13.4	13.6
2.12°	13.8	13.9	12.0	14.2	14.4
2.25°	14.7	14.8	12.9	15.1	15.2
2.50°	16.6	16.4	14.8	16.8	16.9
2.60°	17.3	17.1	15.5	17.4	17.6

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.