

6.50" | 6.75" 7833D CONFIGURATION

(165 mm) (171 mm)



SPECIFICATIONS

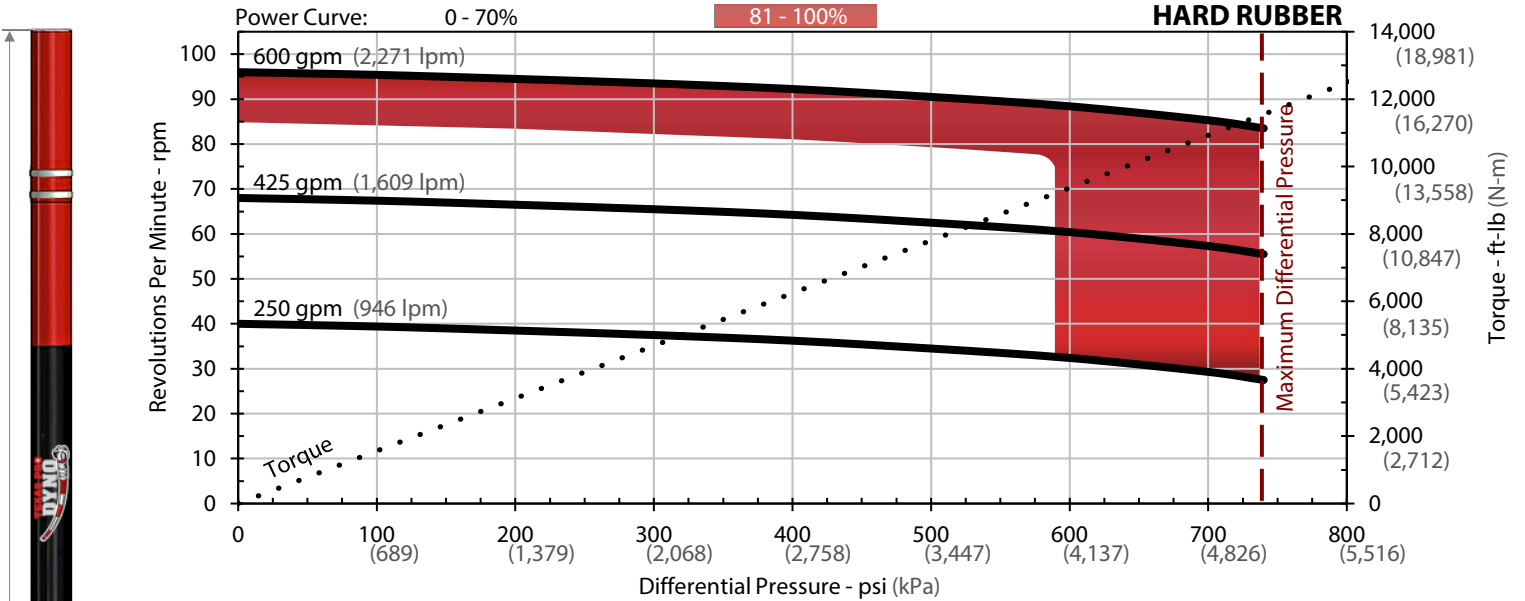
	IMPERIAL	METRIC
Maximum Differential Pressure	740 psi	(5,100 kPa)
Torque at Maximum Differential	11,550 ft-lb	(15,660 N-m)
Stall Torque	17,330 ft-lb	(23,500 N-m)
Flow Range	250 - 600 gpm	(946 - 2,271 lpm)
RPM Ratio	0.16 Revolutions / g	(0.04 Revolutions / l)
RPM Range	40 - 96 rpm	(40 - 96 rpm)
Recommended 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	2,636 lb	(1,196 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	380.54 in	(9.67 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		P R E D I C T E D
0.39°	0.7	2.2	-	2.5	-	2.7	
0.78°	3.5	4.7	1.9	5.0	1.3	5.2	
1.15°	6.2	7.1	4.5	7.4	3.9	7.5	
1.50°	8.7	9.4	7.0	9.7	6.4	9.8	
1.83°	11.0	11.5	9.4	11.8	8.7	11.9	
2.12°	13.1	13.4	11.5	13.7	10.8	13.8	
2.38°	14.9	15.0	13.3	15.3	12.7	15.5	
2.60°	16.5	16.6	14.9	16.8	14.2	16.9	
2.77°	17.5	17.7	16.1	17.8	15.4	18.0	
2.90°	18.4	18.6	17.0	18.7	16.4	18.8	
2.97°	18.8	19.0	17.5	19.1	16.9	19.3	
3.00°	19.0	19.2	17.7	19.3	17.1	19.4	
	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		P R E D I C T E D
1.50°	8.9	9.5	7.2	9.8	6.5	9.9	
1.75°	10.7	11.1	9.0	11.4	8.3	11.5	
1.90°	11.7	12.1	10.0	12.4	9.3	12.5	
2.00°	12.4	12.7	10.7	13.0	10.1	13.1	
2.12°	13.3	13.5	11.6	13.8	10.9	13.9	
2.25°	14.2	14.3	12.6	14.6	12.0	14.7	
2.50°	15.9	16.0	14.3	16.2	13.6	16.4	
2.60°	16.6	16.7	15.0	16.9	14.3	17.0	
	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.

