

4.75" | 5.00"
(121 mm) | (127 mm)

6780
CONFIGURATION



SPECIFICATIONS

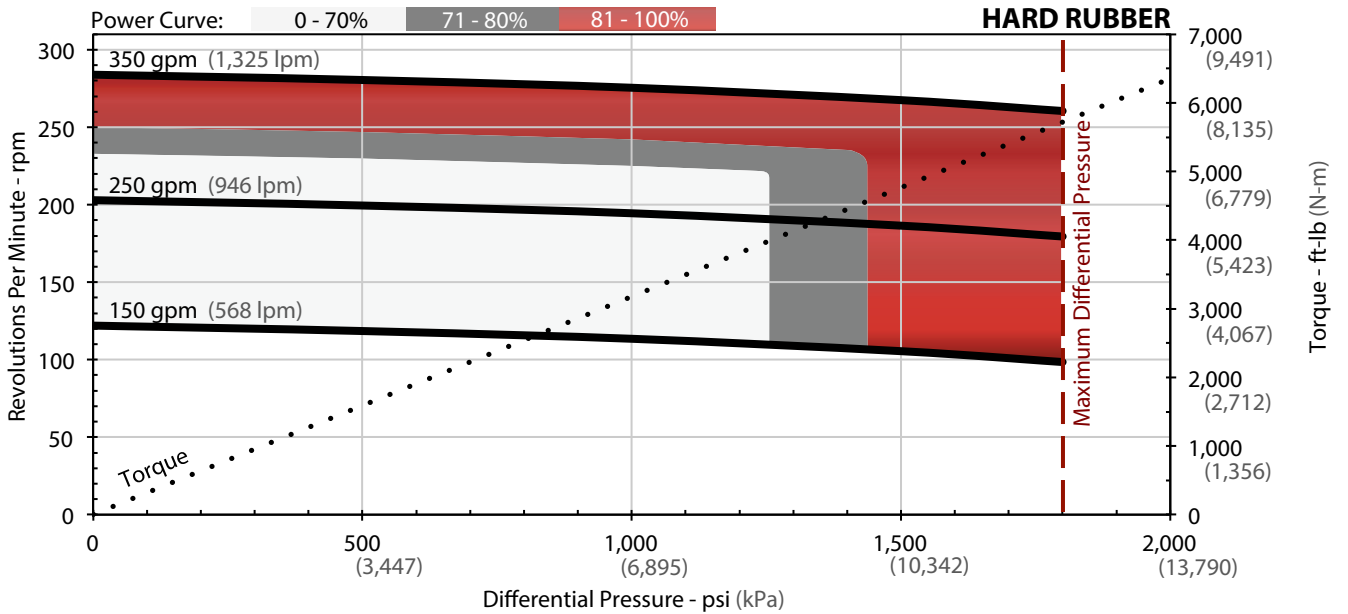
	IMPERIAL	METRIC
Maximum Differential Pressure	1,800 psi	(12,410 kPa)
Torque at Maximum Differential	5,720 ft-lb	(7,755 N-m)
Stall Torque	8,580 ft-lb	(11,635 N-m)
Flow Range	150 - 350 gpm	(568 - 1,325 lpm)
RPM Ratio	0.81 Revolutions / g	(0.21 Revolutions / l)
RPM Range	122 - 284 rpm	(122 - 284 rpm)
Recommended Hole Sizes	6.00 - 6.75 in	(152 - 171 mm)
Maximum Weight on Bit	77,000 lb	(34,300 daN)
Maximum Overpull (Static)	212,000 lb	(94,300 daN)
Overall Weight	1,350 lb	(612 kg)

LENGTH

	IMPERIAL	METRIC
(A) to Stabilizer	13.50 in	(0.34 m)
(B) to Adj. Bend	54.76 in	(1.39 m)
(B) to Fixed Bend	48.00 in	(1.22 m)
(C) Overall	342.51 in	(8.70 m)

ADJUSTABLE

	IMPERIAL	METRIC
Make-Up Value	12,000 ft-lb	(16,300 N-m)



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

BEND	6.00" HOLE SIZE		6.25" HOLE SIZE		6.75" HOLE SIZE	
0.39°	1.4	2.4	0.2	2.5	-	2.8
0.78°	3.9	4.8	2.7	5.0	0.2	5.3
1.15°	6.2	7.2	5.0	7.3	2.5	7.7
1.50°	8.4	9.4	7.2	9.6	4.8	9.9
1.83°	10.5	11.5	9.3	11.7	6.9	12.0
2.12°	12.4	13.3	11.1	13.5	8.7	13.8
2.38°	14.0	15.0	12.8	15.1	10.3	15.5
2.60°	15.4	16.4	14.2	16.5	11.7	16.8
2.77°	16.5	17.5	15.3	17.6	12.8	17.9
2.90°	17.3	18.3	16.1	18.4	13.6	18.8
2.97°	17.8	18.7	16.5	18.9	14.1	19.2
3.00°	17.9	18.9	16.7	19.1	14.3	19.4

SLICK / 1 STAB

FIXED HOUSING Degrees / 100 ft (30 m)

BEND	6.00" HOLE SIZE		6.25" HOLE SIZE		6.75" HOLE SIZE	
1.50°	8.7	9.6	7.4	9.8	5.0	10.1
1.75°	10.3	11.2	9.1	11.4	6.6	11.7
1.90°	11.3	12.2	10.0	12.4	7.6	12.7
2.00°	11.9	12.9	10.7	13.0	8.2	13.3
2.12°	12.7	13.6	11.5	13.8	9.0	14.1
2.25°	13.5	14.5	12.3	14.7	9.9	15.0
2.50°	15.1	16.1	13.9	16.3	11.5	16.6
2.60°	15.8	16.8	14.6	16.9	12.1	17.2

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.