

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

7845
CONFIGURATION



SPECIFICATIONS

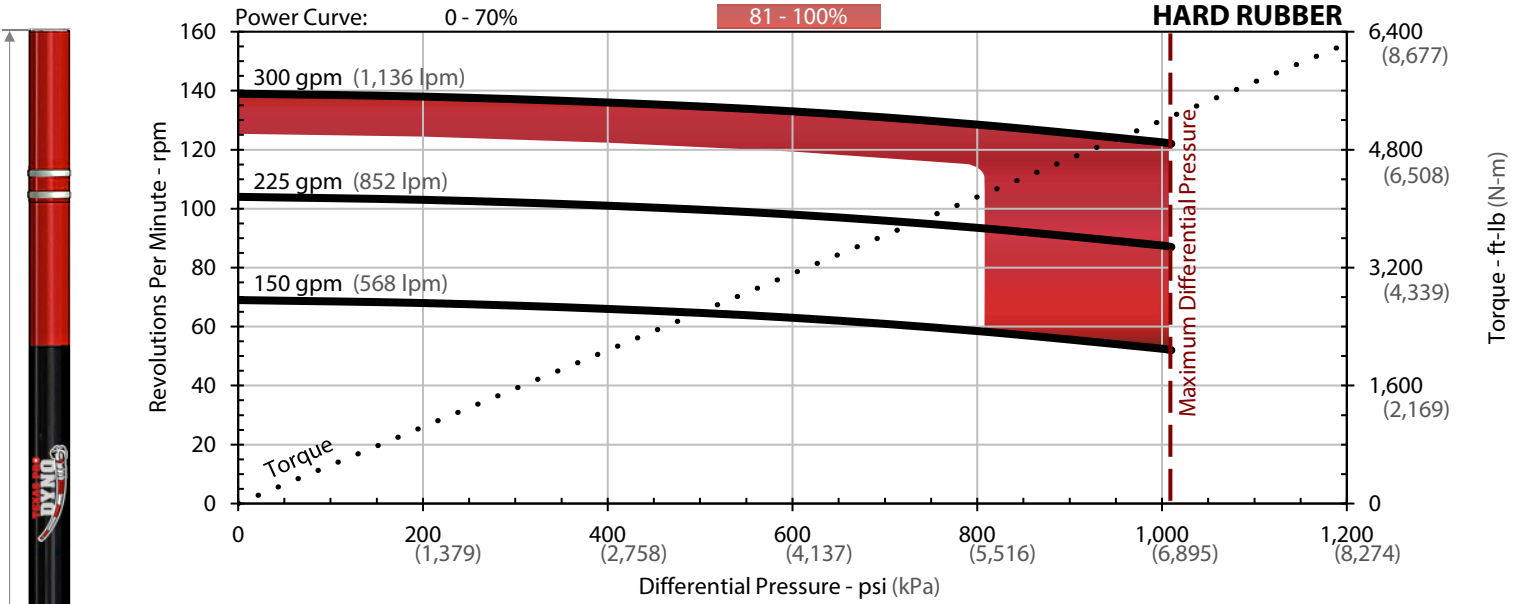
	IMPERIAL	METRIC
Maximum Differential Pressure	1,010 psi	(6,965 kPa)
Torque at Maximum Differential	5,250 ft-lb	(7,120 N-m)
Stall Torque	7,870 ft-lb	(10,670 N-m)
Flow Range	150 - 300 gpm	(568 - 1,136 lpm)
RPM Ratio	0.46 Revolutions / g	(0.12 Revolutions / l)
RPM Range	69 - 139 rpm	(69 - 139 rpm)
Recommended 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	1,086 lb	(493 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	325.81 in	(8.28 m)

ADJUSTABLE

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



0 - 3° ADJUSTABLE

BEND	6.00" HOLE SIZE		6.25" HOLE SIZE		6.75" HOLE SIZE		P R E D I C T E D
	SLICK	1 STAB	SLICK	1 STAB	SLICK	1 STAB	
0.39°	1.5	2.5	0.2	2.7	-	3.0	
0.78°	4.1	5.1	2.8	5.3	0.2	5.6	
1.15°	6.5	7.5	5.2	7.7	2.7	8.1	
1.50°	8.8	9.9	7.6	10.0	5.0	10.4	
1.83°	11.0	12.0	9.7	12.2	7.2	12.6	
2.12°	12.9	14.0	11.7	14.1	9.1	14.5	
2.38°	14.7	15.7	13.4	15.9	10.8	16.2	
2.60°	16.1	17.1	14.8	17.3	12.3	17.7	
2.77°	17.3	18.3	16.0	18.4	13.4	18.8	
2.90°	18.1	19.1	16.8	19.3	14.3	19.7	
2.97°	18.6	19.6	17.3	19.8	14.7	20.1	
3.00°	18.8	19.8	17.5	20.0	14.9	20.3	

FIXED HOUSING

BEND	6.00" HOLE SIZE		6.25" HOLE SIZE		6.75" HOLE SIZE		P R E D I C T E D
	SLICK	1 STAB	SLICK	1 STAB	SLICK	1 STAB	
1.50°	9.1	10.1	7.8	10.3	5.2	10.6	
1.75°	10.8	11.8	9.5	12.0	6.9	12.3	
1.90°	11.8	12.8	10.5	13.0	7.9	13.3	
2.00°	12.5	13.5	11.2	13.7	8.6	14.0	
2.12°	13.3	14.3	12.0	14.5	9.4	14.8	
2.25°	14.2	15.2	12.9	15.4	10.3	15.7	
2.50°	15.9	16.9	14.6	17.1	12.0	17.4	
2.60°	16.6	17.6	15.3	17.8	12.7	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.