

8.00"
(203 mm)

7840
CONFIGURATION



SPECIFICATIONS

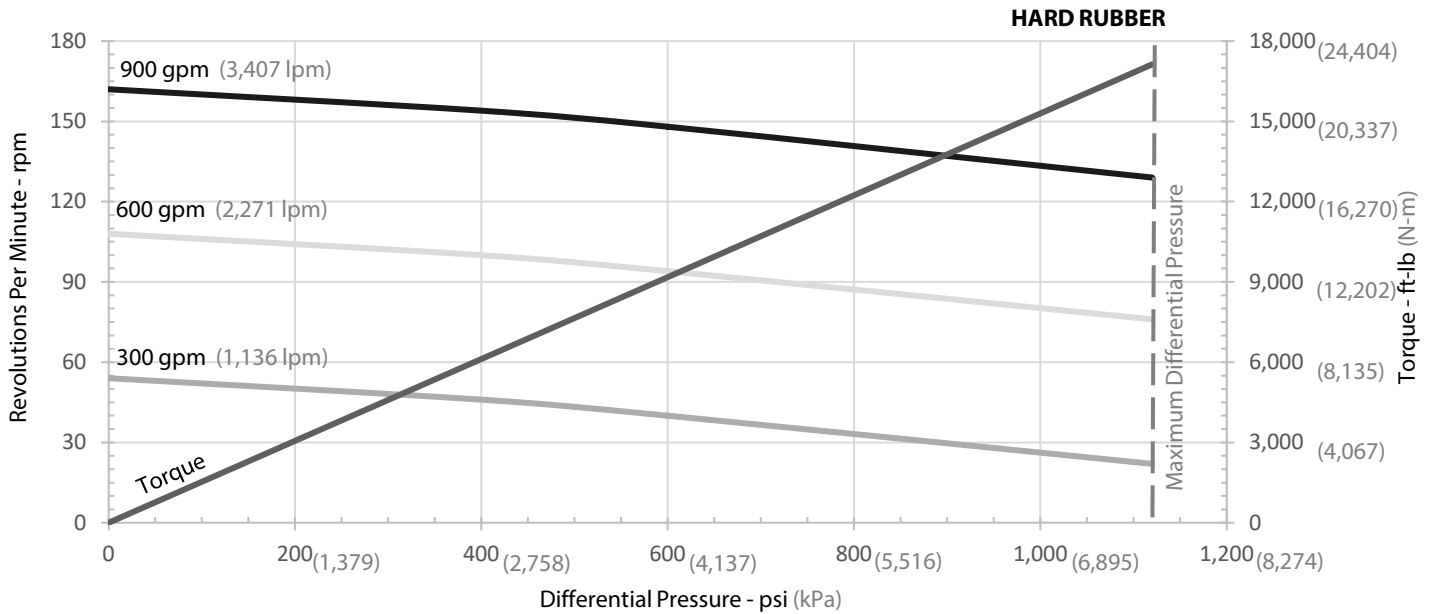
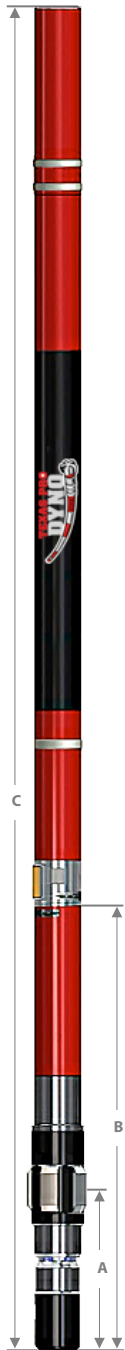
	IMPERIAL		METRIC	
Maximum Differential Pressure	1,120	psi	7,722	kPa
Torque at Maximum Differential	17,132	ft-lb	23,228	N-m
Stall Torque	25,700	ft-lb	34,844	N-m
Flow Range	300 - 900	gpm	1,136 3,407	lpm
RPM Ratio	0.16	Revs / gal	0.042	Revs / l
RPM Range	54 - 162	rpm	54 162	rpm
Recommended Hole Sizes	9.875 - 12.250	in	251 311	mm
Maximum Weight on Bit	208,000	lb	92,518	daN
Maximum Overpull (static)	550,000	lb	244,640	daN
Overall Weight	3,400	lb	1,542	kg

LENGTH

	IMPERIAL		METRIC	
(A) to Stabilizer	15.10	in	0.38	m
(B) to Adj. Bend	56.70	in	1.44	m
(C) to Fixed Bend	53.50	in	1.36	m
(D) Overall	323.74	in	8.22	m

ADJUSTABLE

	IMPERIAL	METRIC
Make-Up Value	30,000 ft-lb	40,674 N-m



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

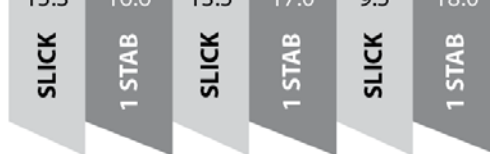
BEND	9.875" HOLE SIZE	10.625" HOLE SIZE	12.25" HOLE SIZE
0.39°	-	2.9	3.4
0.78°	2.8	5.5	5.9
1.15°	5.6	7.9	8.3
1.50°	8.3	10.2	10.6
1.83°	10.9	12.3	12.8
2.12°	13.1	14.2	14.7
2.38°	15.1	15.9	16.4
2.60°	16.8	17.4	17.8
2.77°	18.1	18.5	18.9
2.90°	19.1	19.3	19.8
2.97°	19.6	19.8	20.2
3.00°	19.9	20.0	20.4

SLICK / 1 STAB indicators are shown below the table.

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FIXED HOUSING Degrees / 100 ft (30 m)

BEND	9.875" HOLE SIZE	10.625" HOLE SIZE	12.25" HOLE SIZE
1.50°	8.5	10.6	11.0
1.83°	11.1	12.8	13.3
2.38°	15.3	16.6	17.0



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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 Texas Pro Dyno representative to confirm ideal operating specifications. Updated February 2018.