

8.75"

(222 mm)

7870

CONFIGURATION



SPECIFICATIONS

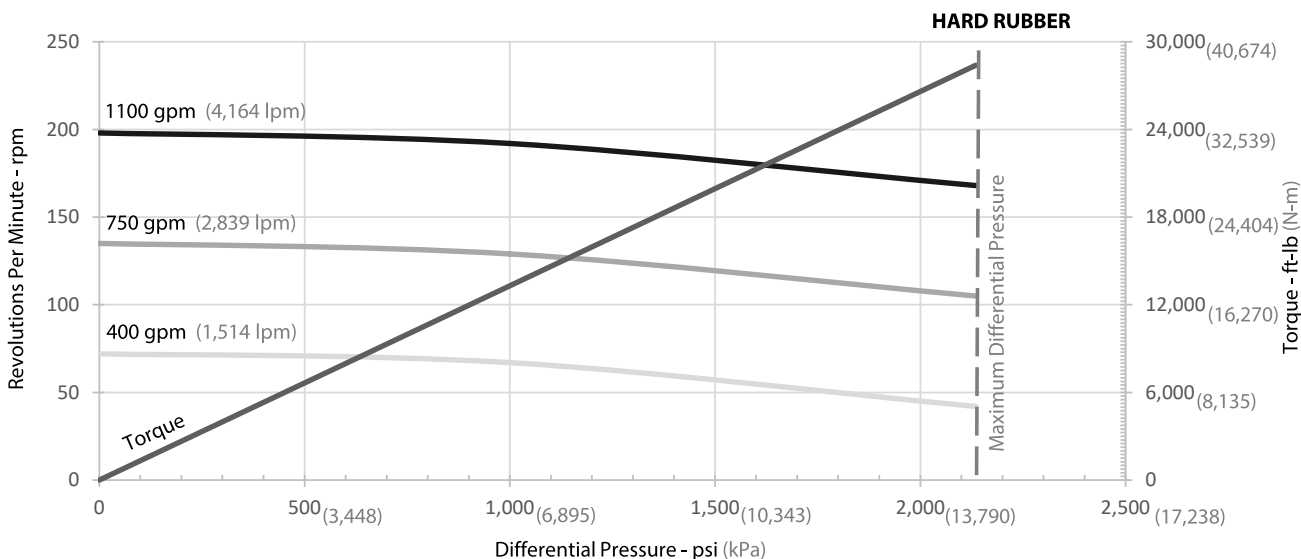
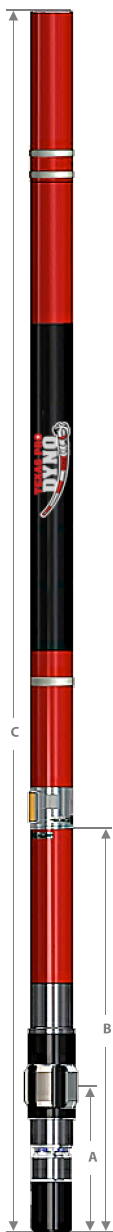
	IMPERIAL	METRIC
Maximum Differential Pressure	2,135 psi	14,721 kPa
Torque at Maximum Differential	28,390 ft-lb	38,491 N-m
Stall Torque	35,485 ft-lb	48,111 N-m
Flow Range	400 - 1,100 gpm	1,514 - 4,164 lpm
RPM Ratio	0.18 Revs / gal	0.048 Revs / l
RPM Range	72 - 198 rpm	72 - 198 rpm
Recommended Hole Sizes	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	10.625" HOLE SIZE	12.25" HOLE SIZE	14.75" HOLE SIZE
0.39°	2.3	2.7	2.0
0.78°	4.6	5.5	4.0
1.15°	6.8	8.1	5.9
1.50°	8.9	10.5	7.7
1.83°	10.8	12.8	9.4
2.12°	12.6	14.9	10.9
2.38°	14.1	16.7	12.2
2.60°	15.4	18.2	13.4
2.77°	16.4	19.4	14.3
2.90°	17.2	20.3	14.9
2.97°	17.6	20.8	15.3
3.00°	17.7	21.0	15.4

PREDICTED

FIXED HOUSING Degrees / 100 ft (30 m)

BEND	10.625" HOLE SIZE	12.25" HOLE SIZE	14.75" HOLE SIZE
1.50°	8.9	10.5	7.7
1.83°	10.8	12.8	9.4
2.38°	14.1	16.7	12.2

PREDICTED

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 September 2017.