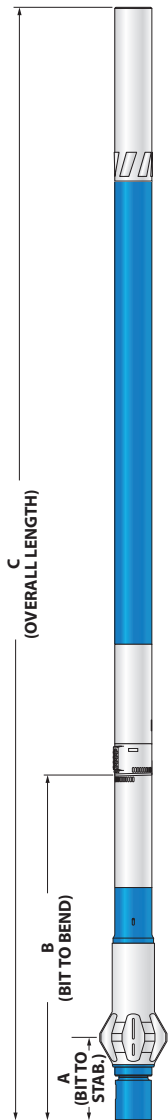


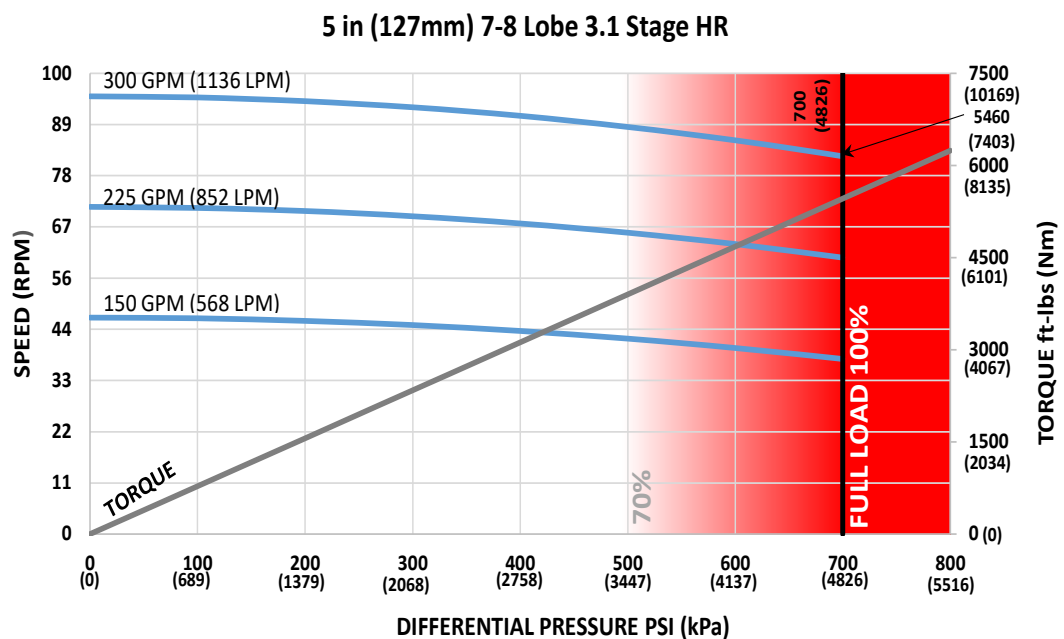
5.25 in (133 mm) Bottom w/ 5 in (127 mm) 7-8 Lobe 3.1 Stage HR **MUD LUBE**



Bit Size Range	6-1/4 - 7-7/8 in	159 - 200 mm
Bit Box Connection	3-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	60730 lbf	27000 daN
Static Bearing Load On/Off Bottom	124336 lbf	55300 daN
Max. Overpull (For Re-run)	231000 lbf	102800 daN
Absolute Overpull	462000 lbf	205500 daN
Adjustable Makeup Torque	13000 ft-lbs	17600 Nm
Stab/Thread Protector Makeup Torque	8500 ft-lbs	11500 Nm
A = Bit to Stabilizer (Centre)	17.9 in	455 mm
B = Bit to Bend	Adjustable 57.5 in	1461 mm
	Fixed 46.6 in	1184 mm
C = Overall (With Dump Sub)	354.8 in	9012 mm
Weight	1560 lbs	708 kg

Lobe Configuration	7-8 Lobe 3.1 Stage HR	
Displacement (No Load)	0.316 rev/gal	0.08 rev/l
Max. Differential (Full Load)	700 psi	4826 kPa
Max. Torque	5460 ft-lbs	7403 Nm
Max. Power	85 HP	64 kW

Flow Rate		Speed
GPM	LPM	RPM
150	568	38 - 47
225	852	60 - 71
300	1136	82 - 95



Possible damage may occur when motor is run higher than 70% of Maximum Differential Pressure.

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	6-1/4 (159mm)	6-3/4 (171mm)	7-1/4 (184mm)	7-7/8 (200mm)	6-1/4 (159mm)	6-3/4 (171mm)	7-1/4 (184mm)	7-7/8 (200mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	1.0	-	-	-	2.0	2.4	2.7	-
0.78	3.7	2.2	0.7	-	4.5	4.8	5.1	5.5
1.15	6.4	4.8	3.3	1.4	6.7	7.1	7.4	7.8
1.50	8.9	7.3	5.8	3.9	8.9	9.2	9.6	10.0
1.83	11.2	9.7	8.2	6.3	11.2	11.3	11.6	12.0
2.12	13.3	11.7	10.2	8.3	13.3	13.1	13.4	13.8
2.38	15.1	13.6	12.1	10.2	15.1	14.7	15.0	15.4
2.60	16.7	15.2	13.6	11.7	16.7	16.1	16.4	16.8
2.77	17.9	16.4	14.8	12.9	17.9	17.1	17.5	17.9
2.90	18.8	17.3	15.8	13.9	18.8	17.9	18.3	18.7
2.97	19.3	17.8	16.3	14.4	19.3	18.4	18.7	19.1
3.00	19.5	18.0	16.5	14.6	19.5	18.6	18.9	19.3

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	6-1/4 (159mm)	6-3/4 (171mm)	7-1/4 (184mm)	7-7/8 (200mm)	6-1/4 (159mm)	6-3/4 (171mm)	7-1/4 (184mm)	7-7/8 (200mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	6.7	4.8	3.0	0.8	7.7	8.0	8.3	8.7
1.50	8.4	6.6	4.8	2.5	9.3	9.6	10.0	10.4
1.75	10.2	8.4	6.6	4.3	10.9	11.2	11.6	12.0
2.00	12.0	10.2	8.4	6.1	12.5	12.9	13.2	13.6
2.25	13.8	12.0	10.1	7.9	14.1	14.5	14.8	15.2
2.50	15.6	13.7	11.9	9.7	15.7	16.1	16.4	16.8

This information is for reference only. Build rates are theoretical calculations using three-point geometry and new motor builds. Actual rate predictions will depend on formation characteristics, bit profiles, and WOB.

For custom motor configurations and build rates, please contact your DYNOMAX office.