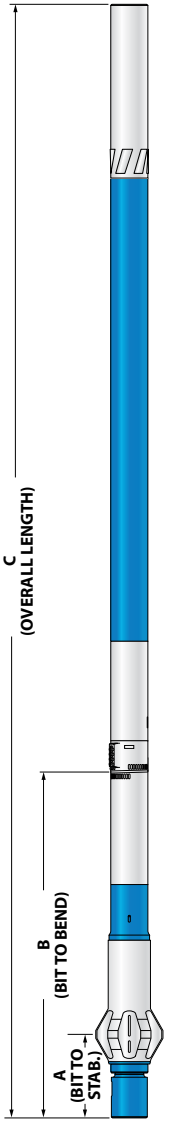
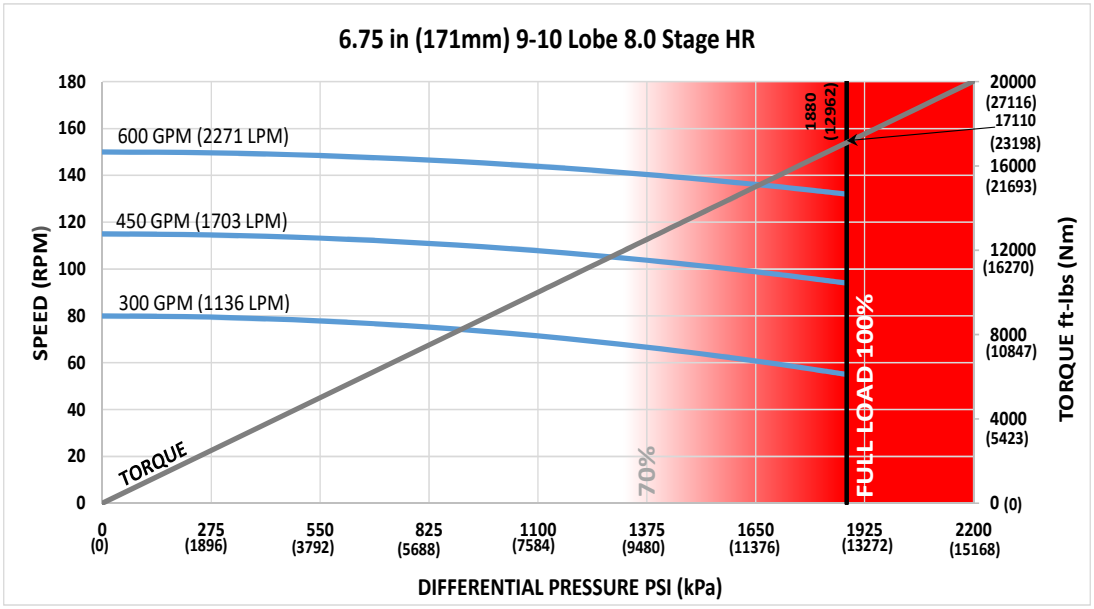
6-3/4 in (171 mm) 9-10 Lobe 8.0 Stage HR SERIES 2 SHORT



Bit Size Range	8-½ - 9-⅞ in	216 - 251 mm
Bit Box Connection	4-½ REGULAR	
Dynamic Bearing Load On/Off Bottom	162100 lbf	72100 daN
Static Bearing Load On/Off Bottom	510500 lbf	227100 daN
Max. Overpull (For Re-run)	602600 lbf	268000 daN
Absolute Overpull	1004400 lbf	446800 daN
Adjustable Makeup Torque	25000 ft-lbs	33900 Nm
Stab/Thread Protector Makeup Torque	15000 ft-lbs	20300 Nm
A = Bit to Stabilizer (Centre)	17.2 in	437 mm
B = Bit to Bend Adjustable	66 in	1676 mm
B = Bit to Bend Fixed	54 in	1372 mm
C = Overall (With Dump Sub)	381.1 in	9680 mm
Weight	2962 lbs	1344 kg

Lobe Configuration	9-10 Lobe 8 Stage HR	
Displacement (No Load)	0.26 rev/gal	0.07 rev/l
Max. Differential (Full Load)	1880 psi	12962 kPa
Max. Torque	17110 ft-lbs	23198 Nm
Max. Power	430 HP	321 kW

Flow Rate		Speed
GPM	**LPM**	**RPM**
300	1136	55 - 80
450	1703	94 - 115
600	2271	132 - 150



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

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	8-½ (216mm)	8-¾ (222mm)	9-⅞ (251mm)	-	8-½ (216mm)	8-¾ (222mm)	9-⅞ (251mm)	-
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	0.1	-	-	-	2.1	2.3	-	-
0.78	2.6	2.0	-	-	4.3	4.5	5.1	-
1.15	5.1	4.4	1.7	-	6.4	6.5	7.2	-
1.50	7.4	6.7	4.0	-	8.4	8.5	9.1	-
1.83	9.5	8.9	6.2	-	10.2	10.3	11.0	-
2.12	11.4	10.8	8.1	-	11.8	12.0	12.6	-
2.38	13.1	12.5	9.8	-	13.3	13.4	14.0	-
2.60	14.6	14.0	11.2	-	14.6	14.7	15.3	-
2.77	15.7	15.1	12.3	-	15.7	15.6	16.2	-
2.90	16.5	15.9	13.2	-	16.5	16.3	17.0	-
2.97	17.0	16.4	13.6	-	17.0	16.7	17.4	-
3.00	17.2	16.6	13.8	-	17.2	16.9	17.5	-

Note: Stabilizers are ⅛" undergage

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	8-½ (216mm)	8-¾ (222mm)	9-⅞ (251mm)	-	8-½ (216mm)	8-¾ (222mm)	9-⅞ (251mm)	-
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	5.2	4.5	1.2	-	7.2	7.4	8.0	-
1.50	6.8	6.1	2.9	-	8.7	8.8	9.5	-
1.75	8.5	7.8	4.5	-	10.2	10.3	10.9	-
2.00	10.1	9.4	6.1	-	11.6	11.8	12.4	-
2.25	11.8	11.0	7.8	-	13.1	13.2	13.8	-
2.50	13.4	12.7	9.4	-	14.5	14.7	15.3	-

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.

June 1, 2020

7501 42 Street, Leduc, AB T9E 0R8 || Tel: 780.986.3070 || Fax: 780.986.3536

www.DYNOMAXDrillingTools.com **sales@DYNOMAXDrillingTools.com**