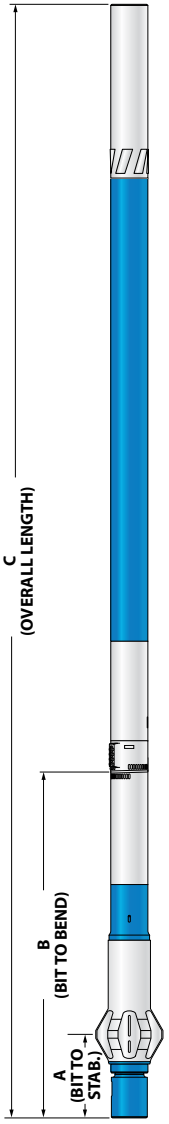
9.62 in (244mm) 6-7 Lobe 5.0 Stage HR MUD LUBE

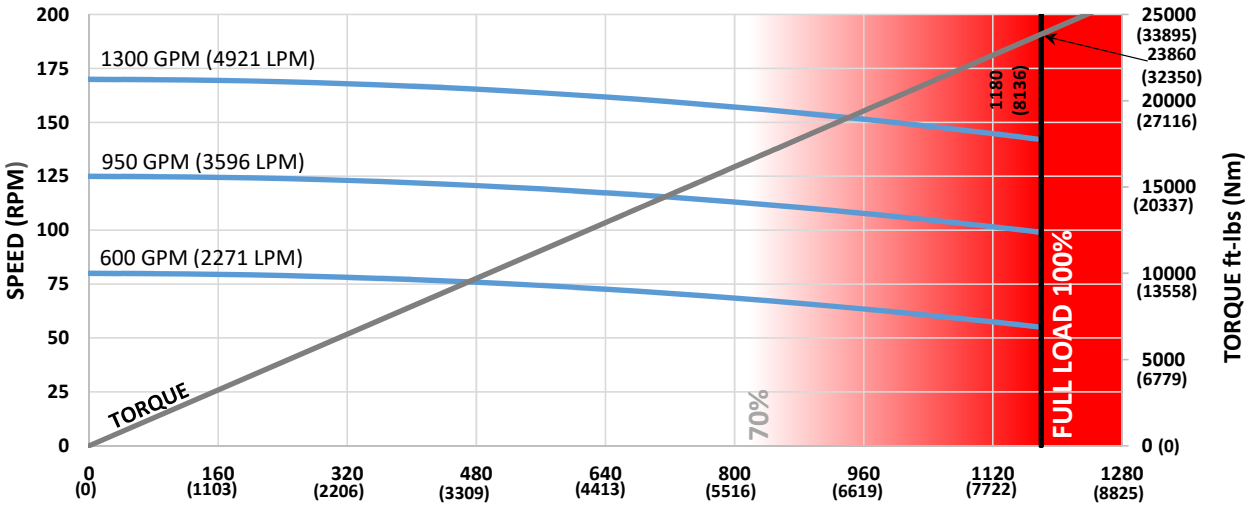


Bit Size Range		12-1/4 - 17-1/2 in	311 - 445 mm
Bit Box Connection		6-5/8 or 7-5/8 REGULAR	
Dynamic Bearing Load On/Off Bottom		188513 lbf	83900 daN
Static Bearing Load On/Off Bottom		1092750 lbf	486100 daN
Max. Overpull (For Re-run)		721400 lbf	320900 daN
Absolute Overpull		1202300 lbf	534800 daN
Adjustable Makeup Torque		60000 ft-lbs	81300 Nm
Stab/Thread Protector Makeup Torque		38000 ft-lbs	51500 Nm
A = Bit to Stabilizer (Centre)		24.58 in	0.62 m
B = Bit to Bend	**Adjustable**	88.3 in	2.24 m
	Fixed	72.8 in	1.85 m
C = Overall (With Dump Sub)		376.7 in	9.57 m
Weight		5680 lb	2576 kg

Lobe Configuration	6-7 Lobe 5.0 Stage HR	
Displacement (No Load)	0.13 rev/gal	0.03 rev/l
Max. Differential (Full Load)	1180 psi	8136 kPa
Max. Torque	23860 ft-lbs	32350 Nm
Max. Power	645 HP	481 kW

Flow Rate		Speed
GPM	**LPM**	**RPM**
600	2271	55 - 80
950	3596	99 - 125
1300	4921	142 - 170

9.62 in (244mm) 6-7 Lobe 5.0 Stage HR



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

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	12-1/4 (311mm)	14 (356mm)	16 (406mm)	17-1/2 (445mm)	12-1/4 (311mm)	14 (356mm)	16 (406mm)	17-1/2 (445mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	-	-	-	-	2.9	-	-	-
0.78	1.5	-	-	-	5.0	6.0	7.2	-
1.15	4.0	0.7	-	-	6.9	8.0	9.2	10.1
1.50	6.3	3.1	-	-	8.8	9.9	11.1	12.0
1.83	8.6	5.3	1.6	-	10.6	11.7	12.9	13.8
2.12	10.5	7.2	3.5	0.7	12.2	13.2	14.4	15.4
2.38	12.3	9.0	5.3	2.5	13.6	14.6	15.8	16.7
2.60	13.7	10.5	6.7	4.0	14.7	15.8	17.0	17.9
2.77	14.9	11.6	7.9	5.1	15.7	16.7	17.9	18.8
2.90	15.8	12.5	8.8	6.0	16.4	17.4	18.6	19.5
2.97	16.2	13.0	9.2	6.4	16.7	17.8	19.0	19.9
3.00	16.4	13.2	9.4	6.6	16.9	18.0	19.2	20.1

Note: Stabilizers are 1/8" undergage

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	12-1/4 (311mm)	14 (356mm)	16 (406mm)	17-1/2 (445mm)	12-1/4 (311mm)	14 (356mm)	16 (406mm)	17-1/2 (445mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	4.5	0.6	-	-	7.9	9.0	10.2	11.1
1.50	6.1	2.3	-	-	9.3	10.4	11.6	12.5
1.75	7.8	4.0	-	-	10.7	11.8	13.0	13.9
2.00	9.5	5.7	1.3	-	12.2	13.2	14.5	15.4
2.25	11.2	7.4	3.0	-	13.6	14.7	15.9	16.8
2.50	12.9	9.0	4.7	1.4	15.0	16.1	17.3	18.2

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.

October 14, 2022

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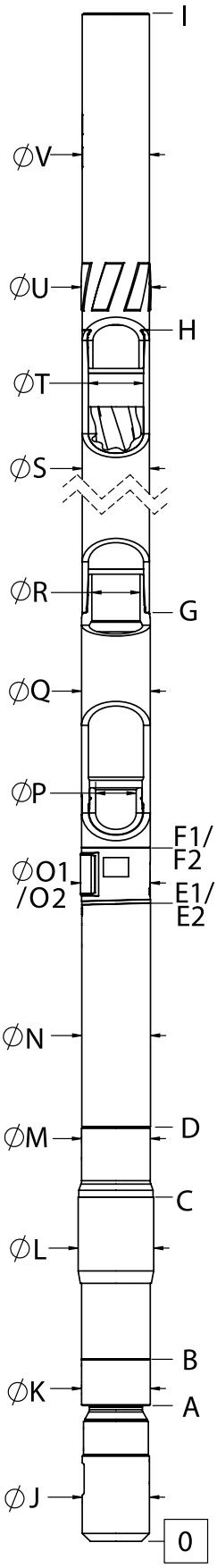
DYNOMAX DRILLING TOOLS INC

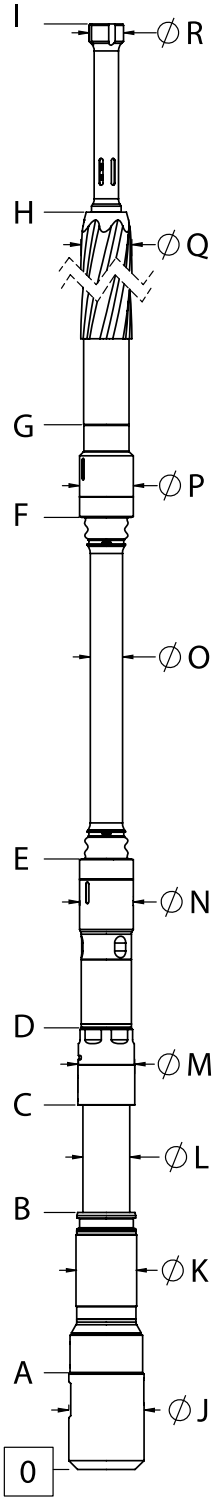
9.62 in (244mm) 6-7 Lobe 5.0 Stage HR MUD LUBE

FISHING DIMENSIONS

USC - IMPERIAL (Lengths, Diameters = in)
SI - METRIC (Lengths = m, Diameters = mm)



EXTERNALS		USC	SI
LOWER HSG FLOW REST.	A	16.0	0.41
BEARING HOUSING START	B	23.1	0.59
STABILIZER SHOULDER	C	49.1	1.25
BEARING HOUSING END	D	59.5	1.51
BIT TO BEND (ADJUSTABLE)	E1	88.3	2.24
ADAPTOR HOUSING (ADJUSTABLE)	F1	95.6	2.43
BIT TO BEND (FIXED)	E2	72.8	1.85
ADAPTOR HSG (FIXED)	F2	85.0	2.16
STATOR START	G	119.7	3.04
STATOR END	H	337.7	8.58
OVERALL LENGTH	I	376.7	9.57
BIT BOX Ø	J	6.00	152.4
LOWER HOUSING FLOW RESTRICTOR Ø	K	6.62	168.1
THREAD PROTECTOR Ø	L	10.75	273.1
BEARING HOUSING Ø	M	9.62	244.3
KICK OR FIXED HSG Ø	N	9.62	244.3
KICK PAD Ø (ADJUSTABLE)	O1	10.13	257.3
KICK PAD Ø (FIXED)	O2	10.13	257.3
ADJ MANDREL PIN Ø	P	5.60	142.2
ADAPTOR HOUSING Ø	Q	9.62	244.3
ADAPTOR HOUSING PIN Ø	R	7.00	177.8
STATOR TUBE OUTER Ø	S	9.62	244.3
STATOR TUBE INNER Ø	T	7.88	200.2
ROTOR CATCH SUB BLADE Ø	U	9.87	250.7
ROTOR CATCH Ø	V	9.63	244.6



INTERNALS		USC	SI
BIT BOX	A	11.0	0.28
LOWER SHAFT FLOW RESTRICTOR DIAMETER	B	29.1	0.74
COMPRESSION NUT	C	45.1	1.15
BEARING ASSEMBLY ADAPTOR	D	53.7	1.36
BAA ADAPTOR CAP	E	75.8	1.93
ROTOR ADAPTOR CAP	F	109.2	2.77
ROTOR START	G	119.0	3.02
ROTOR	H	321.0	8.15
CATCH STEM	I	337.0	8.56
BIT BOX Ø	J	9.00	228.6
FLOW RESTRICTOR Ø	K	7.06	179.3
MANDREL Ø	L	5.71	145.0
COMPRESSION NUT Ø	M	6.79	172.5
BEARING ASSEMBLY ADAPTOR Ø	N	7.10	180.3
DRIVESHAFT Ø	O	3.89	98.8
ROTOR ADAPTOR Ø	P	7.10	180.3
ROTOR MAJOR Ø	Q	6.40	162.6
ROTOR CATCH HEAD Ø	R	4.38	111.3

This information is for reference only. Assemblies are displayed in an "Adjustable Conifguration"

Rotor Catch and Rotor Catch Float Sub Lengths may vary based on configuration, and use of Dump Subs or combination Rotor Catch and Float Housings.

If any additional information is required, please contact your local DYNOMAX office.

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