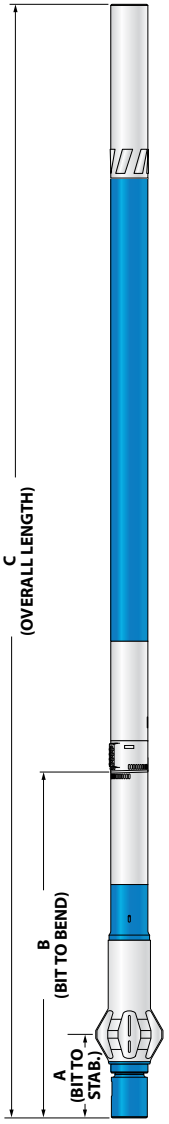
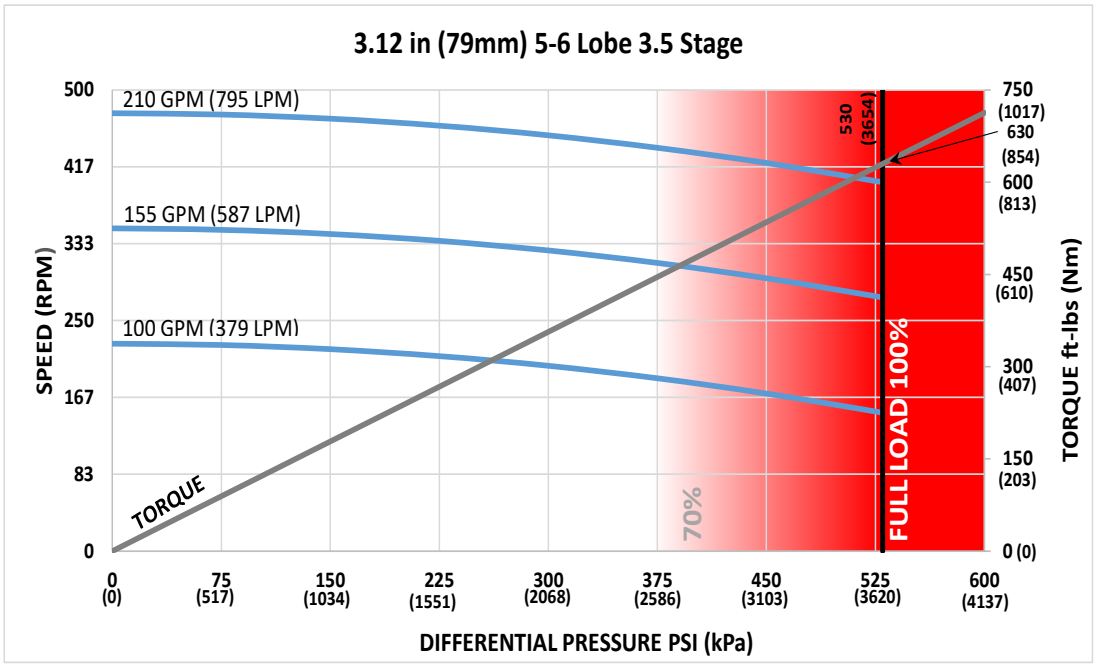
3.12 in (79mm) 5-6 Lobe 3.5 Stage SERIES 1



Bit Size Range		3-7/8 - 4-1/2 in	98 - 114 mm
Bit Box Connection		2-3/8 REGULAR	
Dynamic Bearing Load On/Off Bottom		28230 lbf	12600 daN
Static Bearing Load On/Off Bottom		83280 lbf	37000 daN
Max. Overpull (For Re-run)		78100 lbf	34700 daN
Absolute Overpull		130200 lbf	57900 daN
Adjustable Makeup Torque		2500 ft-lbs	3400 Nm
Stab/Thread Protector Makeup Torque		N/A	N/A
A = Bit to Stabilizer (Centre)		N/A	N/A
B = Bit to Bend	**Adjustable**	42.6 in	1.08 m
	Fixed	33.7 in	0.86 m
C = Overall (With Dump Sub)		170.2 in	4.32 m
Weight		269 lb	122 kg

Lobe Configuration	5-6 Lobe 3.5 Stage	
Displacement (No Load)	2.25 rev/gal	0.59 rev/l
Max. Differential (Full Load)	530 psi	3654 kPa
Max. Torque	630 ft-lbs	854 Nm
Max. Power	48 HP	36 kW

Flow Rate		**Speed**
GPM	**LPM**	**RPM**
100	379	150 - 225
155	587	275 - 350
210	795	400 - 475



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

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	2.4	0.1	-	-	N/A	N/A	N/A	N/A
0.78	8.4	6.1	4.9	2.6	N/A	N/A	N/A	N/A
1.15	14.1	11.8	10.6	8.3	N/A	N/A	N/A	N/A
1.50	19.4	17.1	16.0	13.7	N/A	N/A	N/A	N/A
1.83	24.5	22.2	21.0	18.7	N/A	N/A	N/A	N/A
2.12	28.9	26.6	25.5	23.2	N/A	N/A	N/A	N/A
2.38	32.9	30.6	29.4	27.1	N/A	N/A	N/A	N/A
2.60	36.3	34.0	32.8	30.5	N/A	N/A	N/A	N/A
2.77	38.9	36.6	35.4	33.1	N/A	N/A	N/A	N/A
2.90	40.9	38.6	37.4	35.1	N/A	N/A	N/A	N/A
2.97	41.9	39.6	38.5	36.2	N/A	N/A	N/A	N/A
3.00	42.4	40.1	38.9	36.6	N/A	N/A	N/A	N/A

Note: Stabilizers are 1/8" undergage

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	14.5	11.6	10.2	7.4	N/A	N/A	N/A	N/A
1.50	18.3	15.5	14.0	11.2	N/A	N/A	N/A	N/A
1.75	22.1	19.3	17.9	15.0	N/A	N/A	N/A	N/A
2.00	26.0	23.1	21.7	18.9	N/A	N/A	N/A	N/A
2.25	29.8	26.9	25.5	22.7	N/A	N/A	N/A	N/A
2.50	33.6	30.8	29.4	26.5	N/A	N/A	N/A	N/A

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.

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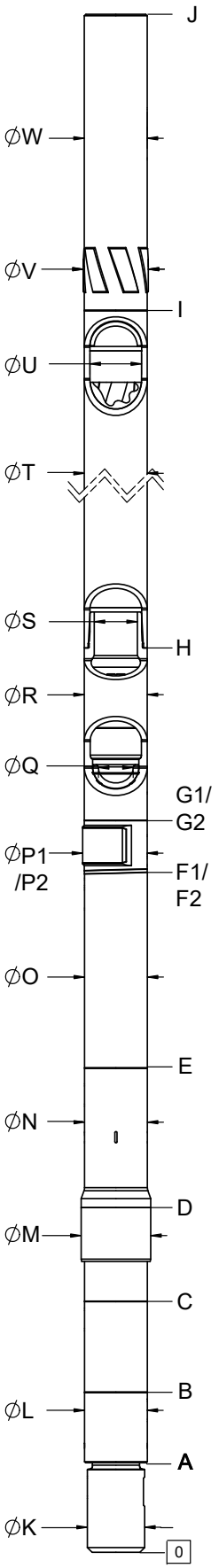
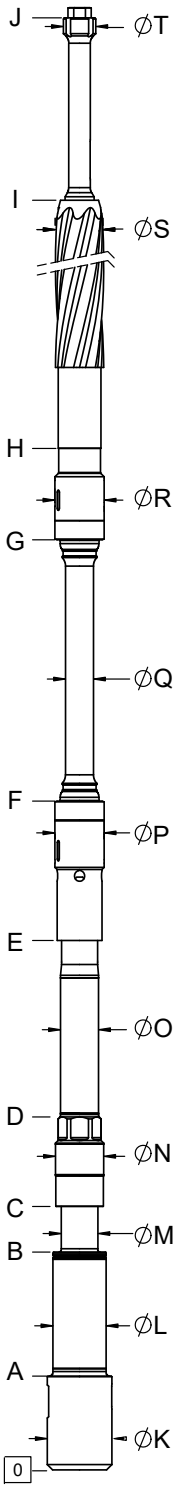
February 8, 2024

FISHING DIMENSIONS

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



EXTERNALS		USC	SI
END CAP	**A**	5.0	0.13
BEARING HOUSING	**B**	8.2	0.21
PISTON HOUSING	**C**	13.5	0.34
STABILIZER SHOULDER	**D**	--	--
KICK/FIXED HOUSING	**E**	28.7	0.73
BIT TO BEND (ADJUST-ABLE)	**F1**	42.6	1.08
ADAPTOR HOUSING (ADJUSTABLE)	**G1**	47.4	1.20
BIT TO BEND (FIXED)	**F2**	33.7	0.86
ADAPTOR HOUSING (FIXED)	**G2**	47.4	1.20
STATOR START	**H**	59.7	1.52
STATOR END	**I**	147.7	3.75
OVERALL LENGTH	**J**	170.2	4.32
BIT BOX Ø	**K**	3.09	78.5
END CAP/BEARING HOUSING Ø	**L**	3.12	79.2
THREAD PROTECTOR Ø	**M**	--	--
PISTON HOUSING Ø	**N**	3.12	79.2
KICK/FIXED HOUSING Ø	**O**	3.12	79.2
PAD (ADJUSTABLE) Ø	**P1**	3.38	85.9
PAD (FIXED) Ø	**P2**	3.38	85.9
ADJUSTABLE MANDREL PIN Ø	**Q**	1.82	46.2
ADAPTOR HOUSING Ø	**R**	3.12	79.2
ADAPTOR PIN Ø	**S**	2.25	57.2
STATOR TUBE OUTER Ø	**T**	3.13	79.5
STATOR TUBE INNER Ø	**U**	2.63	66.8
ROTOR CATCH SUB BLADE Ø	**V**	3.38	85.9
ROTOR CATCH SUB Ø	**W**	3.13	79.5



INTERNALS		USC	SI
BIT BOX	**A**	4.5	0.11
THRUST SHOULDER	**B**	9.9	0.25
WASHPIPE START	**C**	12.1	0.31
HEX END	**D**	17.1	0.43
BEARING ASSEMBLY ADAPTOR	**E**	28.1	0.71
BAA CAP	**F**	35.6	0.90
ROTOR ADAPTOR CAP	**G**	54.0	1.37
ROTOR START	**H**	59.6	1.51
ROTOR END	**I**	145.6	3.70
CATCH STEM	**J**	155.1	3.94
BIT BOX Ø	**K**	3.09	78.5
MANDREL Ø	**L**	2.25	57.2
THRUST Ø	**M**	1.63	41.4
WASHPIPE LARGE Ø	**N**	2.13	54.1
WASHPIPE SMALL Ø	**O**	1.75	44.5
BEARING ASSEMBLY ADAPTOR Ø	**P**	2.35	59.7
DRIVESHAFT Ø	**Q**	1.06	26.9
ROTOR ADAPTOR Ø	**R**	2.35	59.7
ROTOR MAJOR DIA. Ø	**S**	2.17	55.2
ROTOR CATCH STEM Ø	**T**	1.70	43.2

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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