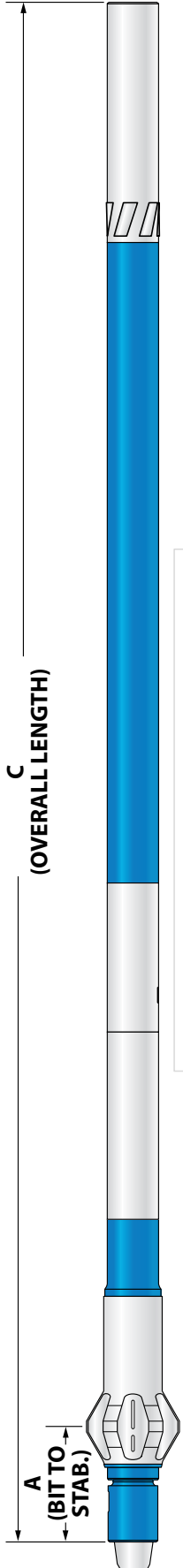
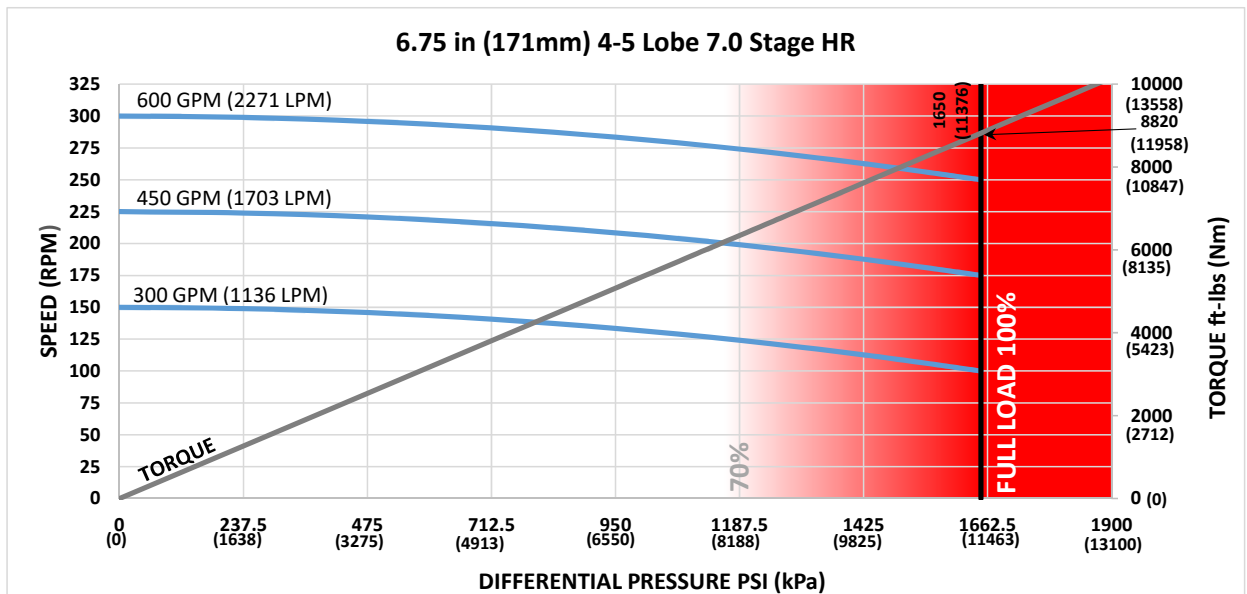


# 7 in (178mm) Bottom w/ 6.75 in (171mm) 4-5 Lobe 7.0 Stage HR RS FLEXSHAFT - MUD LUBE



<b>Bit Size Range</b>	8-1/2 - 9-7/8 in	216 - 251 mm
<b>Downhole Connection</b>	4-1/2 REGULAR	
<b>Dynamic Bearing Load On/Off Bottom</b>	100357 lbf	44600 daN
<b>Static Bearing Load On/Off Bottom</b>	355612 lbf	158200 daN
<b>Max. Overpull (For Re-run)</b>	432800 lbf	192500 daN
<b>Absolute Overpull</b>	721400 lbf	320900 daN
<b>Stab/Thread Protector Makeup Torque</b>	12000 ft-lbs	16300 Nm
<b>A = Bit to Stabilizer (Centre)</b>	20.4 in	0.52 m
<b>C = Overall (With Rotor Catch Float Sub)</b>	375.7 in	9.54 m
<b>Weight</b>	2809 lb	1274 kg



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

<b>Lobe Configuration</b>	4-5 Lobe 7.0 Stage HR	
<b>Displacement (No Load)</b>	0.49 rev/gal	0.13 rev/l
<b>Max. Differential (Full Load)</b>	1650 psi	11376 kPa
<b>Max. Torque</b>	8820 ft-lbs	11958 Nm
<b>Max. Power</b>	420 HP	313 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1136	100 - 150
450	1703	175 - 225
600	2271	250 - 300

This information is for reference only.

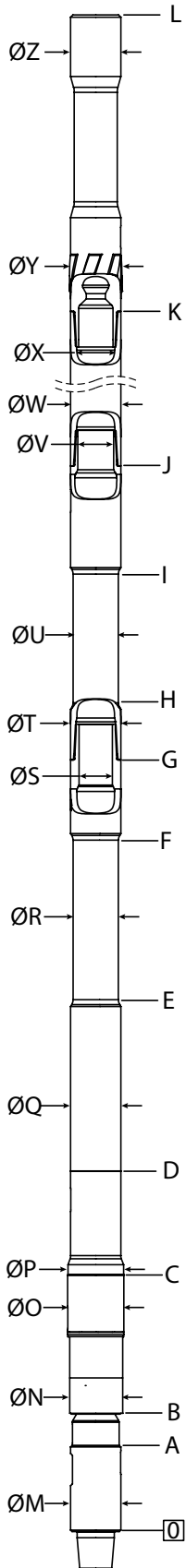
RS FLEXSHAFT Motors are available with Integral Blade Bearing Housings or Screw-On Style Stabilizers.

Contact your local DYNOMAX office for Stabilizer Sizes and Availability.

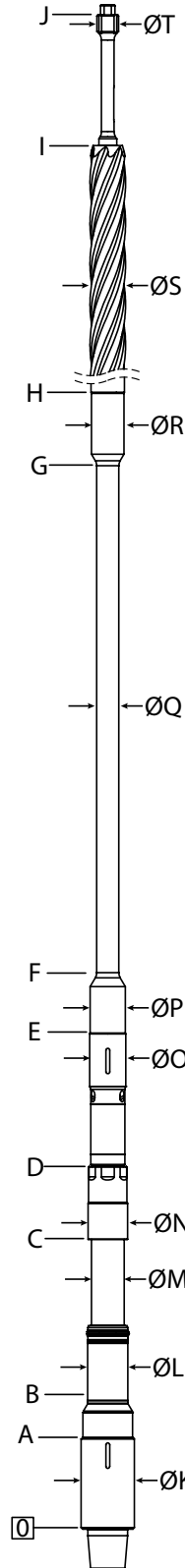
# 7 in (178mm) Bottom w/ 6.75 in (171mm) 4-5 Lobe 7.0 Stage HR RS FLEXSHAFT - MUD LUBE

## FISHING DIMENSIONS

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



EXTERNALS		USC	SI
LOWER HSG. FLOW REST.	A	14.2	0.36
BEARING HSG. START	B	19.0	0.48
STABILIZER SHOULDER	C	35.9	0.91
STRAIGHT HOUSING	D	43.2	1.10
STRAIGHT HOUSING FLEX START	E	66.3	1.68
STRAIGHT HOUSING FLEX END	F	89.0	2.26
ADAPTOR HOUSING	G	100.7	2.56
ADAPTOR HOUSING FLEX START	H	108.6	2.76
ADAPTOR HOUSING FLEX END	I	121.8	3.09
STATOR START	J	132.7	3.37
STATOR END	K	342.7	8.70
OVERALL LENGTH	L	375.7	9.54
BIT BOX Ø	M	7.00	177.8
LOWER HSG. FLOW REST. Ø	N	7.15	181.6
THREAD PROTECTOR Ø	O	7.85	199.4
BEARING HOUSING SHOULDER Ø	P	7.15	181.6
STRAIGHT HOUSING Ø	Q	7.15	181.6
STRAIGHT HOUSING FLEX Ø	R	6.45	163.8
STRAIGHT HOUSING PIN Ø	S	5.04	128.0
ADAPTOR HOUSING Ø	T	7.15	181.6
ADAPTOR HOUSING FLEX Ø	U	6.45	163.8
ADAPTOR HOUSING PIN Ø	V	4.80	121.9
STATOR Ø	W	6.75	171.5
STATOR ID Ø	X	5.50	139.7
HARDFACING Ø	Y	7.00	177.8
ROTOR CATCH FLOAT SUB Ø	Z	6.81	173.0



INTERNALS		USC	SI
BIT BOX	A	9.0	0.23
LOWER SHAFT FLOW REST.	B	23.9	0.61
COMPRESSION NUT.	C	33.9	0.86
BEARING ASSEMBLY ADAPTOR	D	41.1	1.04
DRIVESHAFT START	E	56.1	1.42
DRIVESHAFT FLEX START	F	64.2	1.63
DRIVESHAFT FLEX END	G	122.0	3.10
ROTOR START	H	132.5	3.37
ROTOR END	I	335.0	8.51
ROTOR CATCH END	J	352.5	8.95
BIT BOX Ø	K	7.00	177.8
FLOW RESTRICTOR Ø	L	5.50	139.7
MANDREL Ø	M	4.36	110.7
COMPRESSION NUT Ø	N	5.30	134.6
BEARING ASSEMBLY ADAPTOR Ø	O	5.15	130.8
DRIVESHAFT LOWER HEAD Ø	P	4.65	118.1
DRIVESHAFT FLEX Ø	Q	3.13	79.5
DRIVESHAFT UPPER HEAD Ø	R	4.22	107.2
ROTOR Ø	S	4.22	107.2
ROTOR CATCH STEM Ø	T	3.19	81.0

This information is for reference only.

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.