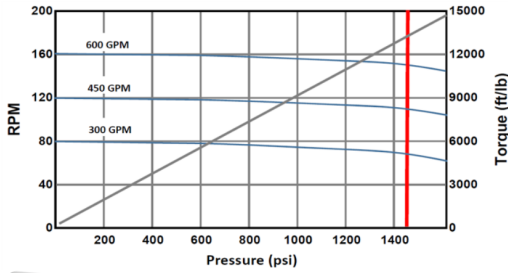
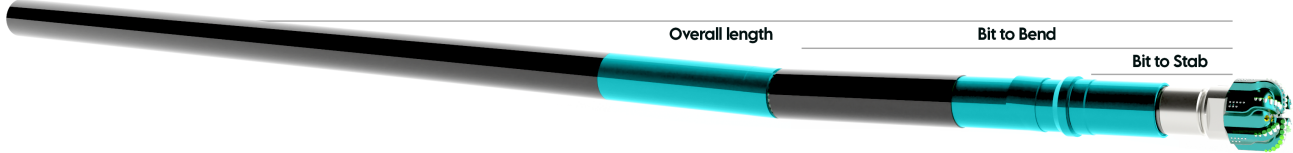


NEWSCO Motor

6 3/4" 7/8 Lobes 6.4 Stage



Torque Slope	9.06 ft-lb/psi	
REV / Gal	0.270 rev/gal	0.071 rev/lpm
RPM	80-176 rpm	
Flow range	300-650 gpm	1136-2461 lpm
Max Differential	1510 psi	10411 kPa
Max Torque	13684 ft. lbs	18553 N-m
Stall Differential	2370 psi	16341 kPa
Stall Torque	21471 lb-ft	29111 N-m
Max Weight on Bit	78000 lbs	346 kN
Weight	2800 pounds	1270 kilos



Motor Lengths

Bit to Stab	Bit to Bend	Overall Length	Slick OD	Wear Pad OD
20.00 in	52.00 in	365.00 in	6.75 in	7.25 in
Top Connection	As Requested	Bottom Connection	4 1/2" Reg	

Predicted Build Rates - Degrees/100 ft (30 m)

Deg. Bend	Slick Hole Size			Single Stabilizer Hole Size			Double Stabilizer Hole Size		
	8 1/2	8 3/4	9 7/8	8 1/2	8 3/4	9 7/8	8 1/2	8 3/4	9 7/8
Setting	7.05	6.77	4.79	8.36	8.44	8.69	7.56	6.93	7.14
1.50	8.58	8.24	5.83	9.89	9.99	10.29	9.08	8.25	8.49
1.76	9.99	9.59	6.79	11.29	11.40	11.74	10.49	9.46	9.74
2.00	10.74	10.31	7.30	12.14	12.26	12.62	11.28	10.17	10.47
2.15	11.34	10.89	7.71	12.64	12.77	13.15	11.84	10.62	10.94
2.25	12.46	11.96	8.47	13.76	13.90	14.31	12.95	11.58	11.93
2.38	12.98	12.46	8.83	14.22	14.36	14.79	13.45	12.00	12.35
2.50	13.15	12.63	8.95	15.63	15.79	16.26	14.83	13.20	13.60
2.74	14.61	14.02	9.93	17.16	17.33	17.85	16.35	14.52	14.95
3.00									

Maximum Suggested RPM for Straight Sections of Well bore

Motor Size	Bit size	0.00	0.38	0.75	1.15	1.50	1.75	1.83	2.00	2.15	2.25	2.38
6 3/4"	9 7/8	100	100	100	80	80	60	60	60	40	40	20
6 3/4"	8 3/4	100	100	100	80	80	50	50	50	40	40	20
6 3/4"	8 1/2	100	100	100	80	80	50	50	50	20	20	

Maximum Suggested RPM for Build Sections of Well bore

Motor Size	Bit size	0.00	0.38	0.75	1.15	1.50	1.75	1.83	2.00	2.15	2.25	2.38
6 3/4"	9 7/8	80	80	60	50	40	40	40	40	40	40	20
6 3/4"	8 3/4	80	80	50	50	40	40	40	40	40	40	20
6 3/4"	8 1/2	80	80	50	40	40	30	30	30	20	20	

* The charts above display the maximum theoretical allowable rotation for optimal hole conditions. The RPM limits above are for optimal hole conditions and normal drilling conditions and parameters. These should be reduced further when operating with high vibration, high rotary torque, poor hole quality, high WOB, stick slip, hard stall events and other abnormal conditions.



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