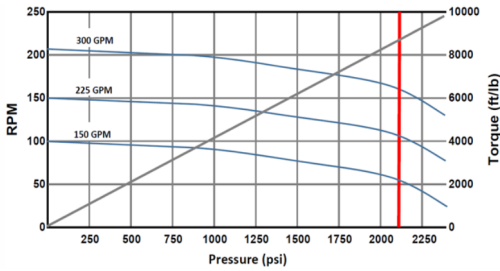
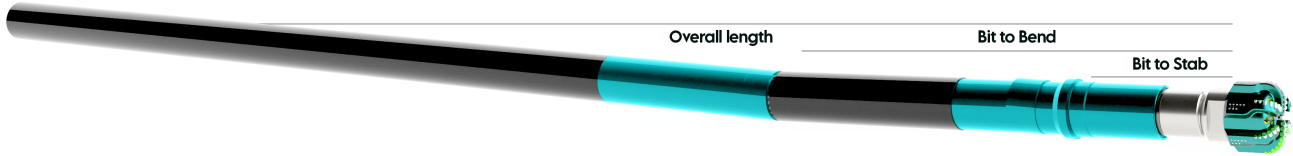


NEWSCO Motor

6 3/4" 7/8 Lobes 5.0 Stage



Torque Slope	9.14 ft-lb/psi	
REV / Gal	0.266 rev/gal	0.070 rev/lpm
RPM	80-159 rpm	
Flow range	300-650 gpm	1136-2461 lpm
Max Differential	1170 psi	8067 kPa
Max Torque	10690 ft. lbs	14494 N-m
Stall Differential	1840 psi	12686 kPa
Stall Torque	16820 lb-ft	22805 N-m
Max Weight on Bit	78000 lbs	346 kN
Weight	2600 pounds	1179 kilos



Motor Lengths

Bit to Stab	Bit to Bend	Overall Length	Slick OD	Wear Pad OD
20.00 in	52.00 in	314.50 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			Single Stabilizer			Double Stabilizer		
	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	8.35	8.02	5.68	9.68	9.78	10.07	8.59	8.67	8.93
1.50	10.10	9.70	6.87	11.42	11.53	11.87	10.32	10.43	10.74
1.76	11.71	11.24	7.96	13.02	13.15	13.54	11.92	12.04	12.40
2.00	12.59	12.09	8.56	14.00	14.14	14.56	12.82	12.95	13.33
2.15	13.26	12.73	9.01	14.55	14.70	15.14	13.46	13.59	14.00
2.25	14.53	13.95	9.88	15.82	15.98	16.46	14.73	14.88	15.32
2.38	15.11	14.51	10.28	16.34	16.51	17.00	15.29	15.45	15.90
2.50	16.68	16.02	11.34	17.96	18.14	18.68	16.86	17.03	17.54
2.74	18.43	17.69	12.53	19.70	19.89	20.48	18.60	18.79	19.34

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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