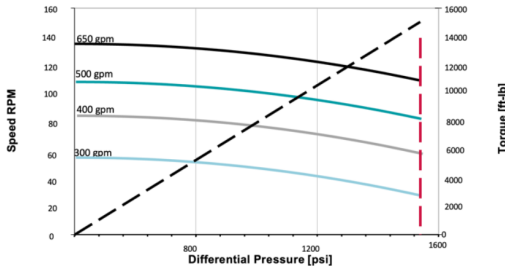
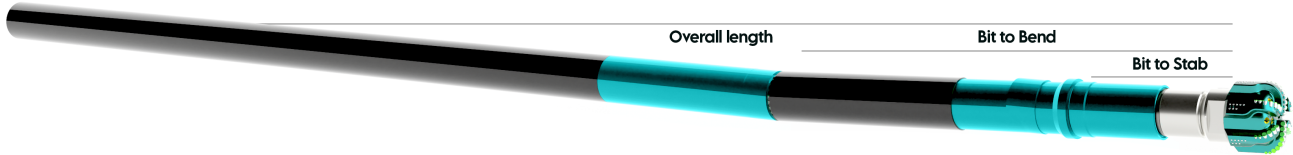


NEWSCO Motor

7" 7/8 Lobes 5.7 Stage



Torque Slope	10.63 ft-lb/psi	
REV / Gal	0.228 rev/gal	0.060 rev/lpm
RPM	69-148 rpm	
Flow range	300-650 gpm	1136-2461 lpm
Max Differential	1170 psi	8067 kPa
Max Torque	18180 ft. lbs	24649 N-m
Stall Differential	2680 psi	18478 kPa
Stall Torque	28500 lb-ft	38641 N-m
Max Weight on Bit	78000 lbs	346 kN
Weight	3200 pounds	1451 kilos



Motor Lengths

Bit to Stab	Bit to Bend	Overall Length	Slick OD	Wear Pad OD
28.00 in	56.00 in	378.00 in	7.00 in	7.50 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		
	Hole Size	Hole Size	Hole Size	Hole Size	Hole Size	Hole Size	Hole Size	Hole Size	Hole Size
Setting	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
1.50	6.17	6.44	4.56	7.59	7.67	7.89	7.05	7.12	7.33
1.76	8.07	7.74	5.48	8.97	9.06	9.33	8.43	8.52	8.77
2.00	9.32	8.95	6.34	10.25	10.35	10.66	9.71	9.81	10.10
2.15	10.02	9.62	6.81	11.02	11.13	11.46	10.44	10.55	10.86
2.25	10.53	10.10	7.16	11.48	11.59	11.94	10.94	11.05	11.38
2.38	11.52	11.06	7.83	12.49	12.61	12.99	11.95	12.07	12.43
2.50	11.96	11.48	8.13	12.91	13.04	13.43	12.39	12.52	12.89
2.74	13.19	12.67	8.97	14.19	14.34	14.76	13.65	13.79	14.20
3.00	14.55	13.98	9.90	15.58	15.73	16.20	15.04	15.19	15.64

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
7"	9 7/8	100	100	100	80	80	60	60	60	40	40	20
7"	8 3/4	100	100	100	80	80	50	50	50	30	20	20
7"	8 1/2	100	100	80	60	50	40	40	30	30	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
7"	9 7/8	80	80	60	60	50	50	50	40	40	30	30
7"	8 3/4	80	80	50	50	40	40	40	30	30	30	20
7"	8 1/2	80	60	50	40	40	40	40	30	20	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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