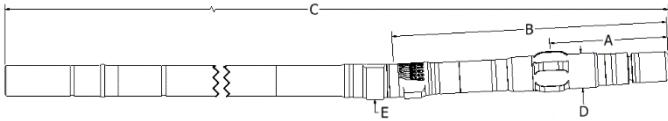


RVMA-85 : 6/7 Lobe 6.0 Stage



Dimensions

Bit to Stabilizer Center	A	39 in
Bit to Bend, ABH	B	90 in
Bit to Bend, Fixed	B	76 in
Bit to Top Sub	C	452 in
Body OD, Slick	D	8.50 in
Body OD, Stabilizer	D	9.50 in
Pad Radius, ABH	E	4.56 in
Pad Radius, Fixed	E	4.34 in
Bottom Connection	6-5/8 REG Box 6-5/8 REG Pin	
Top Connection	6-5/8 REG Box	
Top Sub Float Bore	5F-6R	

Recommended Operating Limits

Max WOB	164,000 lbf
Max Overpull, Backream	236,000 lbf
Max Overpull, Re-Run	440,000 lbf
Max Overpull, POOH	1,172,000 lbf

Performance Details	NBR	HPX
Max Diff Pressure	900	1410 psi
Max Torque	13,230	20,730 lbf-ft
Stall Torque	19,850	32,650 lbf-ft
Rotation	0.170	0.170 rev/gal
Flow Range	400-900	400-900 gpm
Speed Range	70-150	70-150 rpm

Predicted Build Rates (Adj.) – Degrees/100ft

Bend Setting	Slick Hole Size			Stabilized Hole Size		
Deg	9 7/8	10 5/8	12 1/4	9 7/8	10 5/8	12 1/4
0.39	1.3	-	-	2.0	2.3	2.9
0.78	3.4	2.3	-	3.8	4.1	4.8
1.15	5.4	4.3	1.9	5.5	5.8	6.5
1.50	7.4	6.2	3.8	7.4	7.5	8.2
1.83	9.2	8.0	5.6	9.2	9.1	9.7
2.12	10.7	9.6	7.2	10.7	10.4	11.1
2.38*	12.2	11.0	8.6	12.2	11.6	12.3
2.60*	13.4	12.2	9.8	13.4	12.7	13.3
2.77*	14.3	13.2	10.7	14.3	13.5	14.1
2.90*	15.0	13.9	11.4	15.0	14.1	14.7
2.97*	15.4	14.3	11.8	15.4	14.4	15.1
3.00*	15.5	14.4	12.0	15.5	14.6	15.2

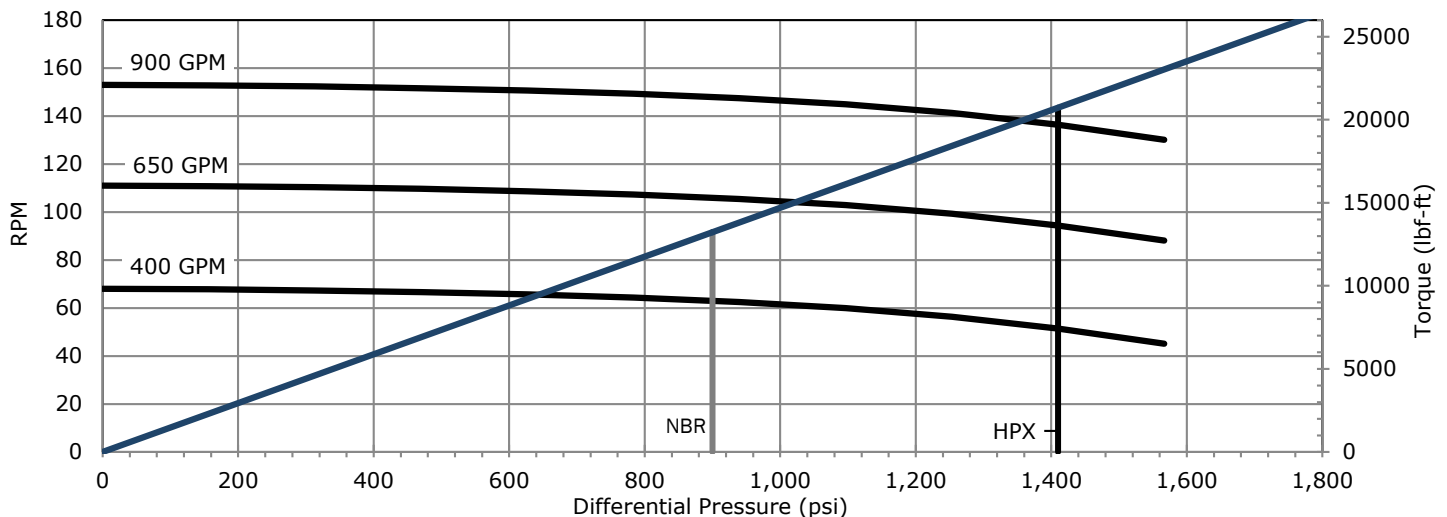
*Bend Setting not recommended for Rotary Drilling

Predicted Build Rates (Fixed) – Degrees/100ft

Bend Setting	Slick Hole Size			Stabilized Hole Size		
Deg	9 7/8	10 5/8	12 1/4	9 7/8	10 5/8	12 1/4
0.78	2.3	1.0	-	3.9	4.3	4.9
1.15	4.3	3.0	-	5.8	6.1	6.7
1.50	6.2	4.9	2.1	7.5	7.8	8.4
1.75	7.6	6.3	3.5	8.7	9.0	9.7
1.83	8.0	6.7	3.9	9.1	9.4	10.1
2.00	9.0	7.7	4.9	9.9	10.2	10.9
2.12	9.6	8.3	5.5	10.5	10.8	11.5
2.25*	10.3	9.0	6.2	11.2	11.5	12.1
2.38*	11.0	9.7	7.0	11.8	12.1	12.7
2.50*	11.7	10.4	7.6	12.4	12.7	13.3

*Bend Setting not recommended for Rotary Drilling

Theoretical Performance Curve



Performance curves based on testing at 70°F. Actual field performance may vary with field operation conditions.