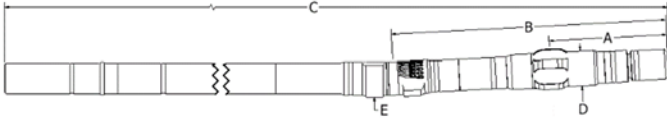


RVDX-70 : 6/7 Lobe 10.7 Stage



Dimensions

Bit to Stabilizer Center	A	25.2 in
Bit to Bend, ABH	B	61.4 in
Bit to Bend, Fixed	B	42 in
Bit to Top Sub	C	419 in
Body OD, Slick	D	7.25 in
Body OD, Stabilizer	D	7.25 in
Pad Radius, ABH	E	3.75 in
Pad Radius, Fixed	E	3.75 in
Bottom Connection	4-1/2 REG Box	
Top Connection	4-1/2 IF Box	
Top Sub Float Bore	4-1/2 XH Box	
	4R & 5R	

Recommended Operating Limits

Max WOB	160,000 lbf
Max Overpull, Backream	231,000 lbf
Max Overpull, Re-Run	319,000 lbf
Max Overpull, POOH	875,000 lbf

Performance Details

	HR	XP
Max Diff Pressure	2,410	2,650 psi
Max Torque	17,230	18,950 lbf-ft
Stall Torque	25,840	28,420 lbf-ft
Rotation	0.360	0.360 rev/gal
Flow Range	300-700	300-700 gpm
Speed Range	108-260	108-260 rpm

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

Bend Setting	Slick Hole Size			Stabilized Hole Size		
	8 1/2	8 3/4	9 7/8	8 1/2	8 3/4	9 7/8
Deg						
0.39	-	-	-	1.9	2.1	2.5
0.78	2.4	1.9	-	3.9	4.0	4.5
1.15	4.5	3.9	1.5	5.8	5.9	6.3
1.50	6.4	5.9	3.4	7.5	7.6	8.1
1.83	8.3	7.7	5.3	9.2	9.3	9.8
2.12	9.9	9.4	6.9	10.7	10.8	11.2
2.38*	11.3	10.8	8.4	12.0	12.1	12.5
2.60*	12.6	12.0	9.6	13.1	13.2	13.6
2.77*	13.5	13.0	10.5	13.9	14.0	14.5
2.90*	14.3	13.7	11.3	14.6	14.7	15.2
2.97*	14.6	14.1	11.6	15.0	15.1	15.5
3.00*	14.8	14.3	11.8	15.1	15.2	15.7

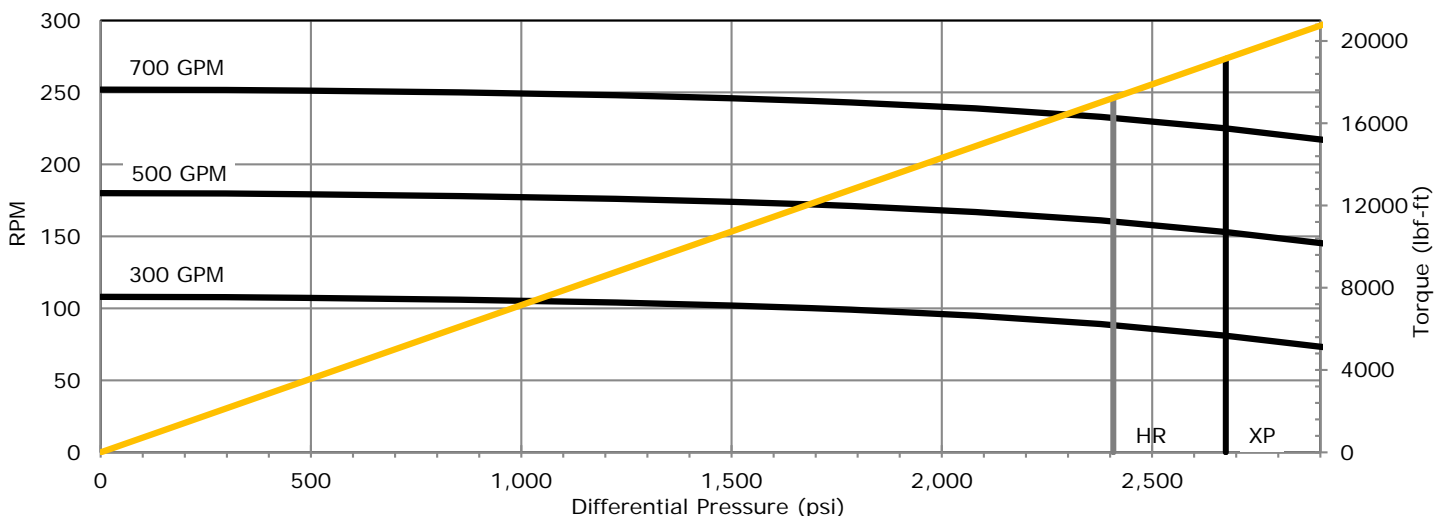
*Bend Setting not recommended for Rotary Drilling

Predicted Build Rates (Fixed) – Degrees/100ft

Bend Setting	Slick Hole Size			Stabilized Hole Size		
	8 1/2	8 3/4	9 7/8	8 1/2	8 3/4	9 7/8
Deg						
0.75	1.4	-	-	4.0	4.1	4.5
1.00	2.8	2.1	-	5.3	5.4	5.9
1.25	4.2	3.5	-	6.6	6.7	7.2
1.50	5.6	4.9	1.6	8.0	8.1	8.5
1.63	6.4	5.6	2.3	8.7	8.8	9.2
1.75	7.0	6.3	3.0	9.3	9.4	9.8
1.88	7.8	7.0	3.7	10.0	10.1	10.5
2.00	8.4	7.7	4.4	10.6	10.7	11.2
2.25*	9.8	9.1	5.8	11.9	12.0	12.5
2.38*	10.6	9.8	6.5	12.6	12.7	13.2
2.50*	11.2	10.5	7.1	13.3	13.4	13.8

*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.