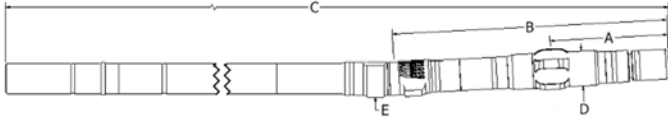


RVDX-70 : 7/8 Lobe 5.0 Stage



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	307 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	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	1,130	1,250 psi
Max Torque	10,460	11,630 lbf-ft
Stall Torque	15,690	17,440 lbf-ft
Rotation	0.288	0.288 rev/gal
Flow Range	300-600	300-600 gpm
Speed Range	86-173	86-173 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	-	-	-	2.8	3.0	3.9
0.78	3.4	2.7	-	5.4	5.6	6.4
1.15	6.2	5.5	2.1	7.8	8.0	8.8
1.50	8.8	8.1	4.8	10.1	10.3	11.1
1.83	11.3	10.6	7.3	12.2	12.4	13.3
2.12	13.5	12.8	9.5	14.1	14.3	15.2
2.38*	15.5	14.8	11.4	15.8	16.0	16.9
2.60*	17.2	16.4	13.1	17.3	17.4	18.3
2.77*	18.4	17.7	14.4	18.4	18.6	19.4
2.90*	19.4	18.7	15.4	19.4	19.4	20.3
2.97*	20.0	19.2	15.9	20.0	19.9	20.7
3.00*	20.2	19.4	16.1	20.2	20.1	20.9

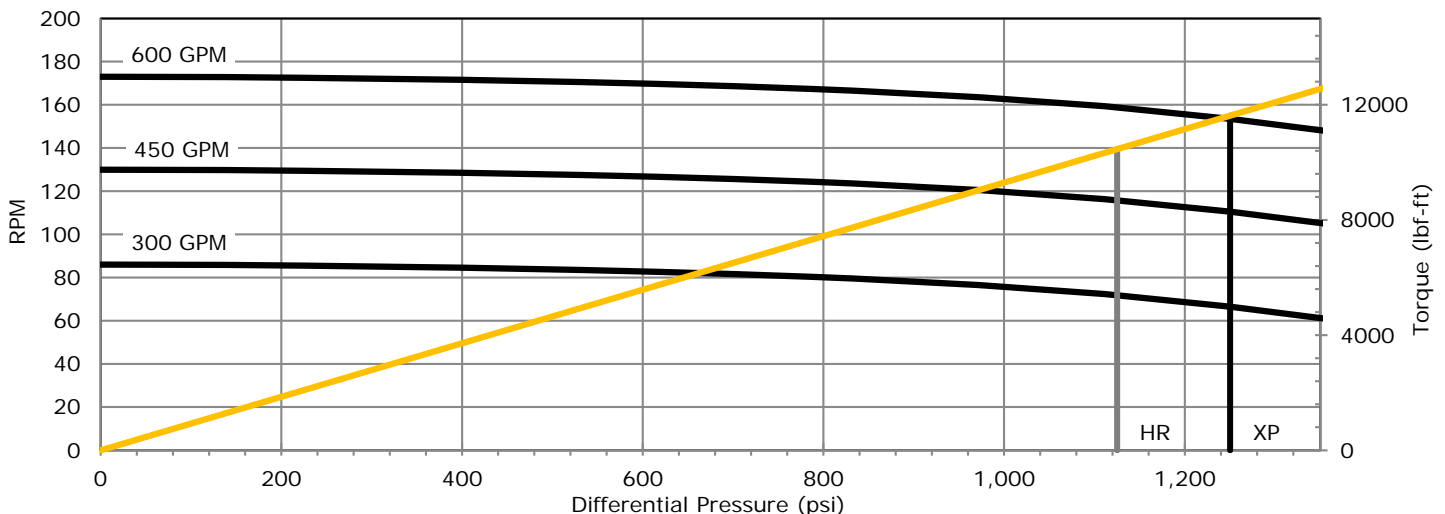
*Bend Setting not recommended for Rotary Drilling

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	2.1	1.1	-	5.6	5.8	6.6
1.00	4.0	3.0	-	7.3	7.5	8.4
1.25	5.9	4.9	-	9.1	9.3	10.1
1.50	7.8	6.7	2.2	10.9	11.0	11.9
1.63	8.7	7.7	3.2	11.8	12.0	12.8
1.75	9.6	8.6	4.1	12.6	12.8	13.7
1.88	10.6	9.6	5.1	13.5	13.7	14.6
2.00	11.5	10.5	6.0	14.4	14.6	15.4
2.25*	13.4	12.4	7.9	16.1	16.3	17.2
2.38*	14.4	13.4	8.9	17.1	17.2	18.1
2.50*	15.3	14.3	9.8	17.9	18.1	18.9

*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.