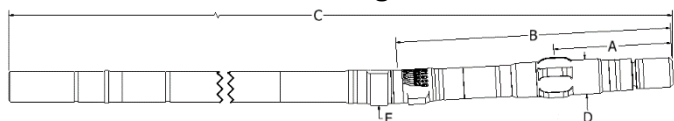


RVTF-47 : 5/6 Lobe 8.3 Stage



Dimensions

Bit to Stabilizer Center	A	16 in
Bit to Bend, ABH	B	57.5 in
Bit to Bend, Fixed	B	43.8 in
Bit to Top Sub	C	353 in
Body OD, Slick	D	4.818 in
Body OD, Stabilizer	D	5.50 in
Pad Radius, ABH	E	2.71 in
Pad Radius, Fixed	E	2.55 in
Bottom Connection	3-1/2 REG Box 3-1/2 IF Pin	
Top Connection	3-1/2 REG Box 3-1/2 IF Box, 3-1/2 XH Box	
Top Sub Float Bore	2F-3R, 3F, 3-1/2 IF	

Recommended Operating Limits

Max WOB	43,000 lbf
Max Overpull, Backream	62,000 lbf
Max Overpull, Re-Run	62,000 lbf
Max Overpull, POOH	320,000 lbf

Performance Details	HR	XP
Max Diff Pressure	1,870	2,030 psi
Max Torque	4,810	5,290 lbf-ft
Stall Torque	7,220	7,940 lbf-ft
Rotation	1.000	1.000 rev/gal
Flow Range	100-300	100-300 gpm
Speed Range	100-300	100-300 rpm

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

Bend Setting	Slick Hole Size			Stabilized Hole Size		
Deg	6	6 1/4	6 3/4	6	6 1/4	6 3/4
0.39	1.4	-	-	2.0	2.2	2.5
0.78	4.1	3.3	1.8	4.3	4.5	4.8
1.15	6.7	5.9	4.4	6.7	6.7	7.0
1.50	9.1	8.3	6.8	9.1	8.8	9.1
1.83	11.3	10.6	9.1	11.3	10.8	11.1
2.12	13.3	12.6	11.1	13.3	12.6	12.9
2.38*	15.1	14.4	12.9	15.1	14.4	14.4
2.60*	16.6	15.9	14.4	16.6	15.9	15.7
2.77*	17.8	17.1	15.6	17.8	17.1	16.8
2.90*	18.7	18.0	16.5	18.7	18.0	17.5
2.97*	19.2	18.4	16.9	19.2	18.4	18.0
3.00*	19.4	18.6	17.1	19.4	18.6	18.1

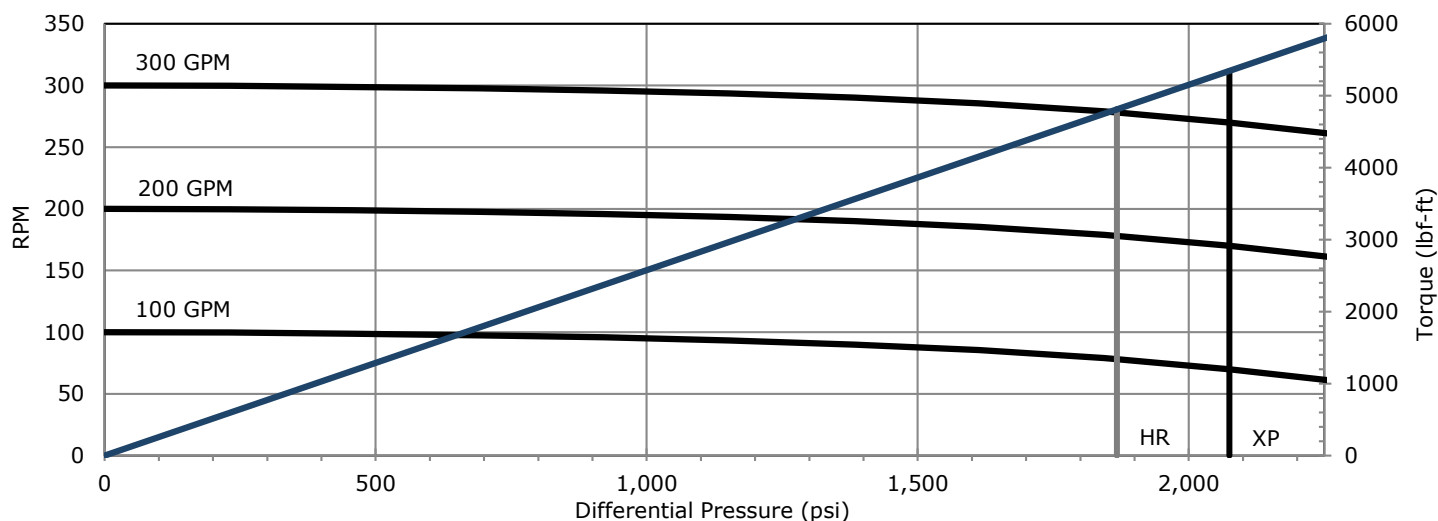
*Bend Setting not recommended for Rotary Drilling

Predicted Build Rates (Fixed) – Degrees/100ft

Bend Setting	Slick Hole Size			Stabilized Hole Size		
Deg	6	6 1/4	6 3/4	6	6 1/4	6 3/4
0.75	2.0	1.0	-	6.8	6.8	6.8
1.00	3.7	2.7	-	6.0	6.1	6.4
1.25	5.4	4.4	2.5	7.5	7.7	8.0
1.50	7.1	6.2	4.3	9.1	9.3	9.6
1.63	8.0	7.1	5.1	9.9	10.1	10.4
1.75	8.9	7.9	6.0	10.7	10.9	11.2
1.83	9.4	8.4	6.5	11.2	11.4	11.7
2.00	10.6	9.6	7.7	12.3	12.4	12.7
2.25*	12.3	11.3	9.4	13.9	14.0	14.3
2.38*	13.2	12.2	10.3	14.7	14.8	15.1
2.50*	14.0	13.1	11.1	15.4	15.6	15.9

*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.