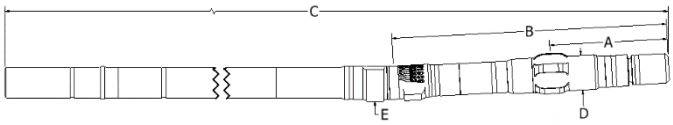
STABILDRILL

RVTF-47 : 4/5 Lobe 6.0 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	297	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	1,350	1,490	psi
Max Torque	3690	4060	lbf-ft
Stall Torque	5530	6080	lbf-ft
Rotation	1.020	1.020	rev/gal
Flow Range	100-250	100-250	gpm
Speed Range	102-260	102-260	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	1.8	-	-	2.5	2.7	3.1
0.78	5.0	4.1	2.3	5.2	5.4	5.8
1.15	8.1	7.2	5.4	8.1	8.0	8.4
1.50	10.9	10.0	8.2	10.9	10.4	10.8
1.83	13.6	12.7	10.9	13.6	12.7	13.1
2.12	16.0	15.1	13.3	16.0	15.1	15.1
2.38*	18.1	17.3	15.5	18.1	17.3	16.9
2.60*	20.0	19.1	17.3	20.0	19.1	18.5
2.77*	21.3	20.4	18.7	21.3	20.4	19.6
2.90*	22.4	21.5	19.7	22.4	21.5	20.5
2.97*	23.0	22.1	20.3	23.0	22.1	21.0
3.00*	23.2	22.3	20.5	23.2	22.3	21.2

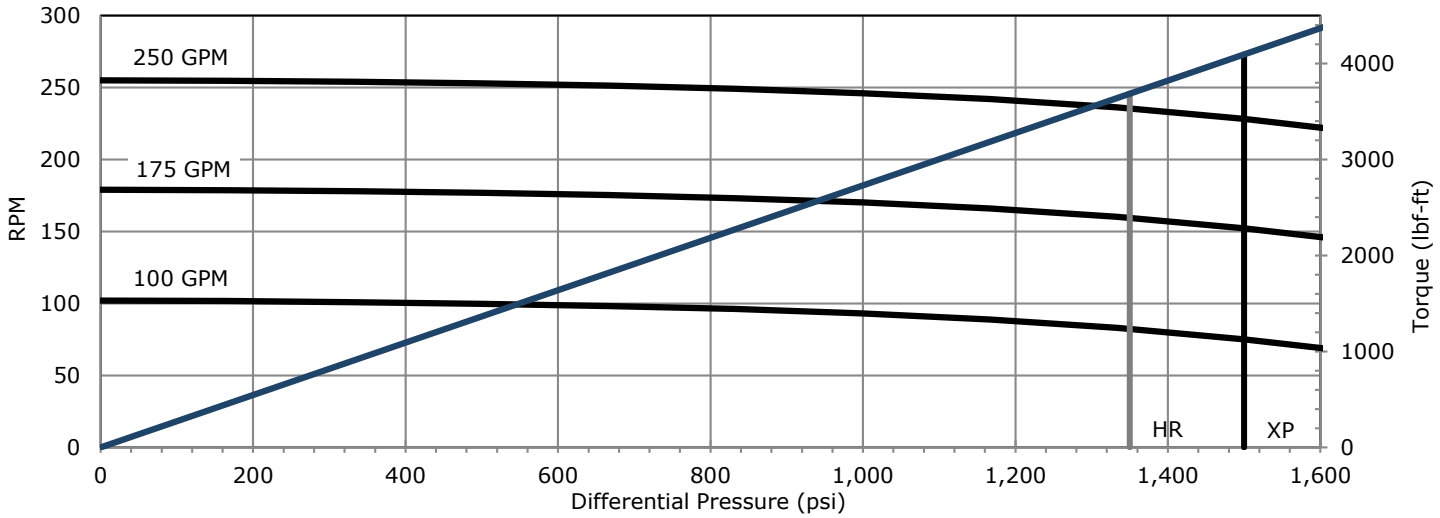
**Bend Setting not recommended for Rotary Drilling*

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	2.4	1.3	1.0	5.3	5.5	6.8
1.00	4.5	3.3	1.1	7.1	7.3	7.8
1.25	6.5	5.4	3.1	9.0	9.2	9.6
1.50	8.6	7.4	5.2	10.8	11.0	11.5
1.63	9.6	8.5	6.2	11.8	12.0	12.4
1.75	10.6	9.5	7.2	12.6	12.9	13.3
1.83	11.3	10.1	7.9	13.2	13.4	13.9
2.00	12.7	11.5	9.3	14.5	14.7	15.1
2.25*	14.7	13.6	11.3	16.3	16.5	17.0
2.38*	15.8	14.7	12.4	17.3	17.5	17.9
2.50*	16.8	15.6	13.4	18.2	18.4	18.8

**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.