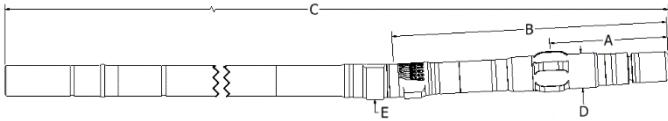


RVDF-96: 7/8 Lobe 3.9 Stage



Dimensions

Bit to Stabilizer Center	A	45 in
Bit to Bend, ABH	B	75 in
Bit to Top Sub	C	483 in
Body OD, Slick	D	9.63 in
Body OD, Stabilizer	D	11.0 in
Pad Radius, ABH	E	5.07 in
Bottom Connection	6-5/8 REG Box 6-5/8 REG Pin 7-5/8 REG Box	
Top Connection	6-5/8 REG Box 7/58 REG Box	
Top Sub Float Bore	5F-6R	

Recommended Operating Limits

Max WOB	261,000 lbf
Max Overpull, Backream	377,000 lbf
Max Overpull, Re-Run	721,000 lbf
Max Overpull, POOH	1,465,000 lbf

Performance Details

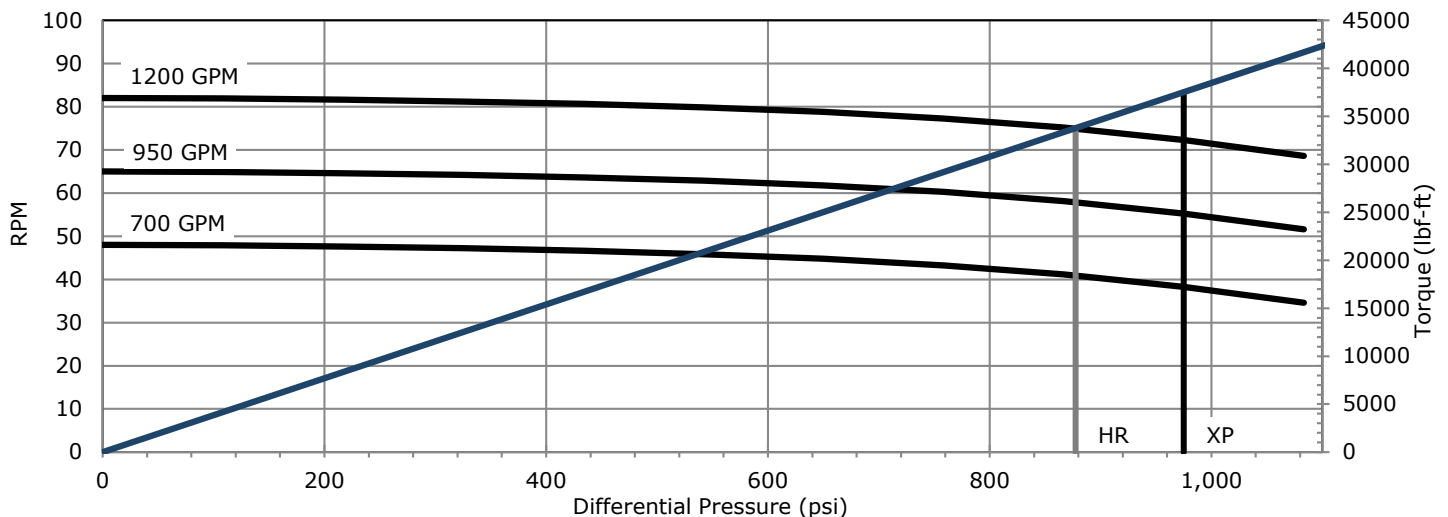
	HR	XP
Max Diff Pressure	880	970 psi
Max Torque	33,750	37,130 lbf-ft
Stall Torque	50,630	55,700 lbf-ft
Rotation	0.068	0.068 rev/gal
Flow Range	700-1,200	700-1,200 gpm
Speed Range	47-82	47-82 rpm

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

Bend Setting	Slick Hole Size			Stabilized Hole Size		
Deg	12 1/4	14 3/4	17 1/2	12 1/4	14 3/4	17 1/2
0.39	-	-	-	2.3	3.1	4.0
0.78	-	-	-	4.0	4.8	5.7
1.15	2.6	-	-	5.7	6.5	7.4
1.50	4.2	-	-	7.3	8.1	9.0
1.83	5.8	2.1	-	8.8	9.6	10.4
2.12	7.2	3.5	-	10.1	10.9	11.7
2.38*	8.5	4.8	-	11.2	12.0	12.9
2.60*	9.5	5.8	1.8	12.2	13.0	13.9
2.77*	10.4	6.7	2.6	13.0	13.8	14.7
2.90*	11.0	7.3	3.2	13.6	14.4	15.2
2.97*	11.3	7.6	3.6	13.9	14.7	15.6
3.00*	11.5	7.8	3.7	14.0	14.8	15.7

*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.