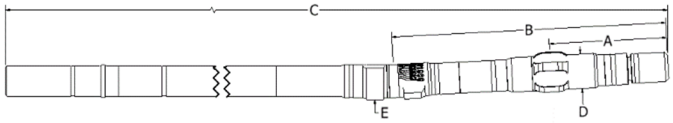
STABILDRILL

RVEN-65 : 7/8 Lobe 6.7 Stage



Dimensions

Bit to Stabilizer Center	A	28	in
Bit to Bend, Fixed	B	59.6	in
Bit to Top Sub	C	421	in
Body OD, Slick	D	6.5	in
Body OD, Stabilizer	D	6.5	in
Pad Radius, Fixed	E	3.38	in
Bottom Connection		4-1/2 IF Box 4-1/2 IF Pin	
Top Connection		4-1/2 XH Box	
Top Sub Float Bore		4R	

Recommended Operating Limits

Max WOB	87,000	lbf
Max Overpull, Backream	126,000	lbf
Max Overpull, Re-Run	234,000	lbf
Max Overpull, POOH	898,000	lbf

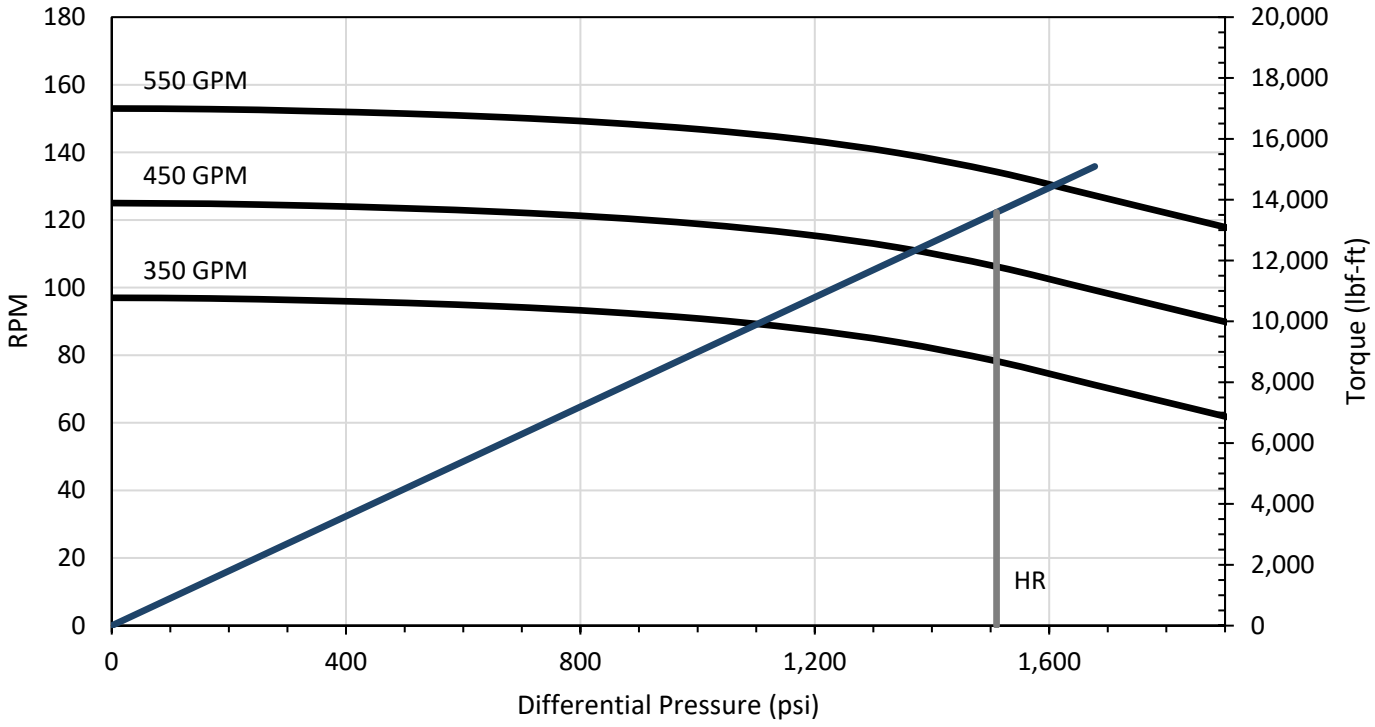
Predicted Build Rates (Fixed) – Degrees/100ft

Bend Setting	Slick Hole Size			Stabilized Hole Size		
Deg	7 7/8	8 1/2	8 3/4	7 7/8	8 1/2	8 3/4
0.78	1.9	-	-	4.0	4.3	4.4
1.15	4.0	2.6	2.0	5.9	6.2	6.3
1.50	5.9	4.5	4.0	7.7	8.0	8.1
1.75	7.3	5.9	5.4	9.0	9.2	9.3
1.83	7.8	6.4	5.8	9.4	9.6	9.7
2.00	8.7	7.3	6.8	10.3	10.5	10.6
2.12	9.4	8.0	7.4	10.9	11.1	11.2
2.25*	10.1	8.7	8.1	11.5	11.8	11.9
2.38*	10.8	9.4	8.9	12.2	12.5	12.6
2.50*	11.5	10.1	9.5	12.8	13.1	13.2

**Bend Setting not recommended for Rotary Drilling*

Performance Details	HP	
Max Diff Pressure	1,510	psi
Max Torque	13,560	lbf-ft
Stall Torque	20,340	lbf-ft
Rotation	0.278	rev/gal
Flow Range	350-550	gpm
Speed Range	97-153	rpm

Theoretical Performance Curve



Performance curves based on testing at 70°F. Actual field performance may vary with field operation conditions.