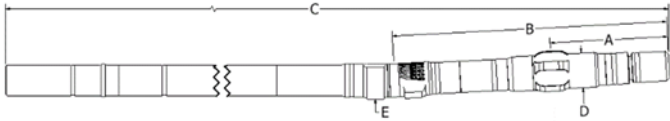


RVEN-65 : 7/8 Lobe 4.8 Stage



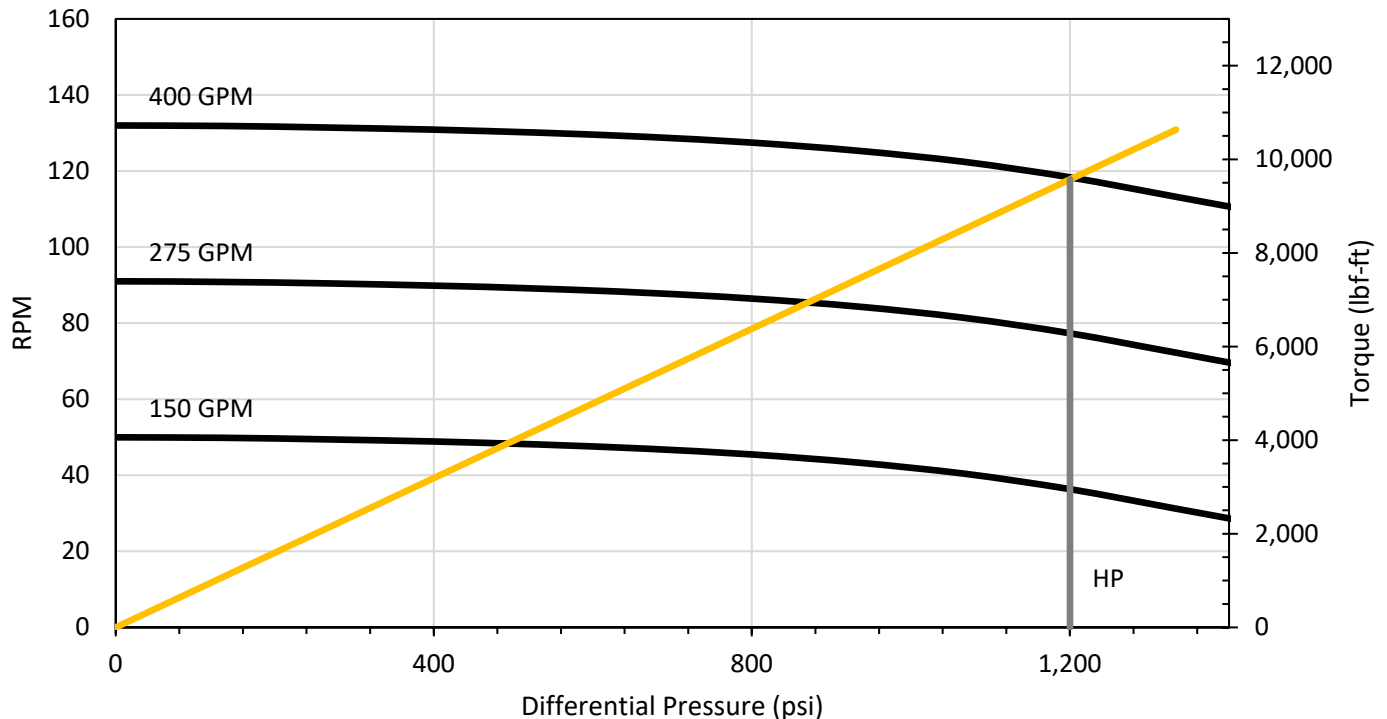
Dimensions

Bit to Stabilizer Center	A	28 in
Bit to Bend, Fixed	B	59.6 in
Bit to Top Sub	C	324 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

Theoretical Performance Curve



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

Predicted Build Rates (Fixed) – Degrees/100ft

Bend Setting	Slick Hole Size			Stabilized Hole Size		
	Deg	8 1/2	8 3/4	9 7/8	8 1/2	8 3/4
0.78	-	-	-	5.7	5.9	6.6
1.15	3.4	2.7	-	8.0	8.2	9.0
1.50	5.9	5.2	2.0	10.3	10.5	11.2
1.75	7.7	7.0	3.8	11.9	12.1	12.8
1.83	8.3	7.5	4.3	12.4	12.6	13.4
2.00	9.5	8.8	5.5	13.5	13.7	14.4
2.12	10.3	9.6	6.4	14.3	14.4	15.2
2.25*	11.2	10.5	7.3	15.1	15.3	16.0
2.38*	12.2	11.5	8.3	15.9	16.1	16.9
2.50*	13.0	12.3	9.1	16.7	16.9	17.6

*Bend Setting not recommended for Rotary Drilling

Performance Details

	HP
Max Diff Pressure	1,200 psi
Max Torque	9,570 lbf-ft
Stall Torque	14,360 lbf-ft
Rotation	0.330 rev/gal
Flow Range	150-400 gpm
Speed Range	50-132 rpm