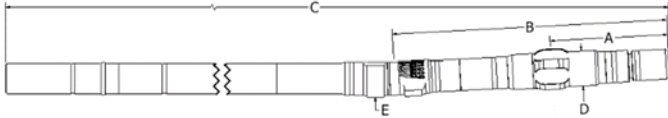


**RVDX-70 : 4/5 Lobe 7.0 Stage**

**Dimensions**

Bit to Stabilizer Center	A	25.2 in
Bit to Bend, ABH	B	61.4 in
Bit to Bend, Fixed	B	42 in
Bit to Top Sub	C	322 in
Body OD, Slick	D	7.25 in
Body OD, Stabilizer	D	7.25 in
Pad Radius, ABH	E	3.75 in
Pad Radius, Fixed	E	3.75 in
Bottom Connection	4-1/2 REG Box	
Top Connection	4-1/2 IF Box	
Top Sub Float Bore	4R & 5R	

**Recommended Operating Limits**

Max WOB	160,000 lbf
Max Overpull, Backream	231,000 lbf
Max Overpull, Re-Run	319,000 lbf
Max Overpull, POOH	875,000 lbf

**Performance Details**

	HR	XP
Max Diff Pressure	1,580	1,740 psi
Max Torque	9,090	10,000 lbf-ft
Stall Torque	13,630	15,000 lbf-ft
Rotation	0.497	0.497 rev/gal
Flow Range	300-600	300-600 gpm
Speed Range	149-300	149-300 rpm

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

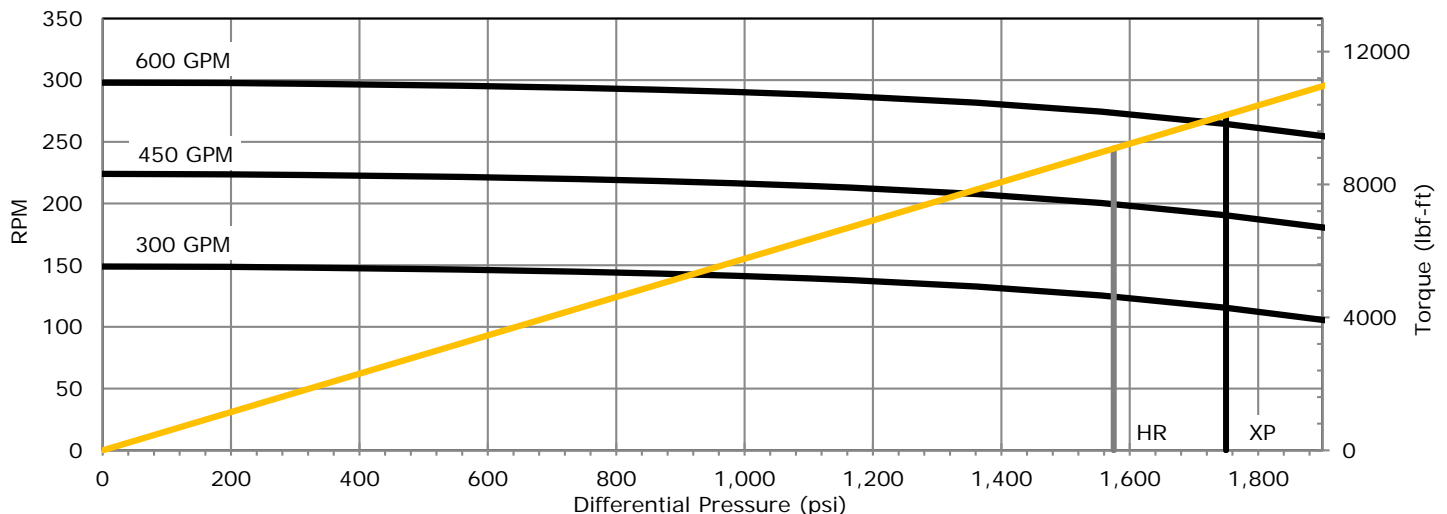
Bend Setting	Slick Hole Size			Stabilized Hole Size		
	Deg	8 1/2	8 3/4	9 7/8	8 1/2	8 3/4
<b>0.39</b>	-	-	-	2.7	2.8	3.6
<b>0.78</b>	3.2	2.5	-	5.1	5.3	6.1
<b>1.15</b>	5.9	5.2	2.0	7.5	7.6	8.4
<b>1.50</b>	8.4	7.7	4.6	9.7	9.8	10.6
<b>1.83</b>	10.8	10.1	6.9	11.7	11.9	12.7
<b>2.12</b>	12.9	12.2	9.0	13.6	13.7	14.5
<b>2.38*</b>	14.8	14.1	10.9	15.2	15.4	16.1
<b>2.60*</b>	16.4	15.7	12.5	16.6	16.7	17.5
<b>2.77*</b>	17.6	16.9	13.7	17.6	17.8	18.6
<b>2.90*</b>	18.6	17.9	14.7	18.6	18.6	19.4
<b>2.97*</b>	19.1	18.4	15.2	19.1	19.1	19.9
<b>3.00*</b>	19.3	18.6	15.4	19.3	19.3	20.0

\*Bend Setting not recommended for Rotary Drilling

**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
<b>0.75</b>	2.0	-	-	5.3	5.5	6.3
<b>1.00</b>	3.8	2.8	-	7.0	7.2	7.9
<b>1.25</b>	5.6	4.6	-	8.7	8.8	9.6
<b>1.50</b>	7.4	6.4	2.1	10.4	10.5	11.3
<b>1.63</b>	8.3	7.4	3.1	11.2	11.4	12.2
<b>1.75</b>	9.2	8.2	3.9	12.1	12.2	13.0
<b>1.88</b>	10.1	9.2	4.9	12.9	13.1	13.9
<b>2.00</b>	11.0	10.0	5.7	13.7	13.9	14.7
<b>2.25*</b>	12.8	11.9	7.5	15.4	15.6	16.4
<b>2.38*</b>	13.8	12.8	8.5	16.3	16.5	17.3
<b>2.50*</b>	14.6	13.7	9.3	17.1	17.3	18.1

\*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.