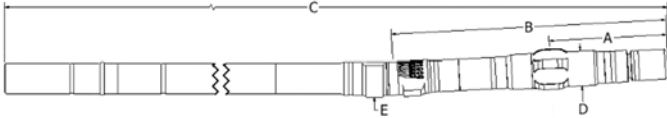


### RVDX-70 : 7/8 Lobe 5.7 Stage



#### 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	379 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	1,280	1,430 psi
Max Torque	13,720	15,240 lbf-ft
Stall Torque	20,580	22,870 lbf-ft
Rotation	0.242	0.242 rev/gal
Flow Range	300-650	300-650 gpm
Speed Range	73-157	73-157 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>	-	-	-	2.2	2.3	2.9
<b>0.78</b>	2.7	2.1	-	4.3	4.5	5.0
<b>1.15</b>	5.0	4.4	1.7	6.4	6.5	7.1
<b>1.50</b>	7.1	6.5	3.8	8.3	8.4	9.0
<b>1.83</b>	9.2	8.6	5.9	10.1	10.2	10.8
<b>2.12</b>	10.9	10.3	7.6	11.7	11.8	12.4
<b>2.38*</b>	12.5	11.9	9.2	13.1	13.2	13.8
<b>2.60*</b>	13.9	13.3	10.6	14.3	14.5	15.0
<b>2.77*</b>	14.9	14.3	11.6	15.3	15.4	15.9
<b>2.90*</b>	15.7	15.1	12.4	16.0	16.1	16.7
<b>2.97*</b>	16.2	15.6	12.9	16.4	16.5	17.0
<b>3.00*</b>	16.4	15.8	13.1	16.5	16.6	17.2

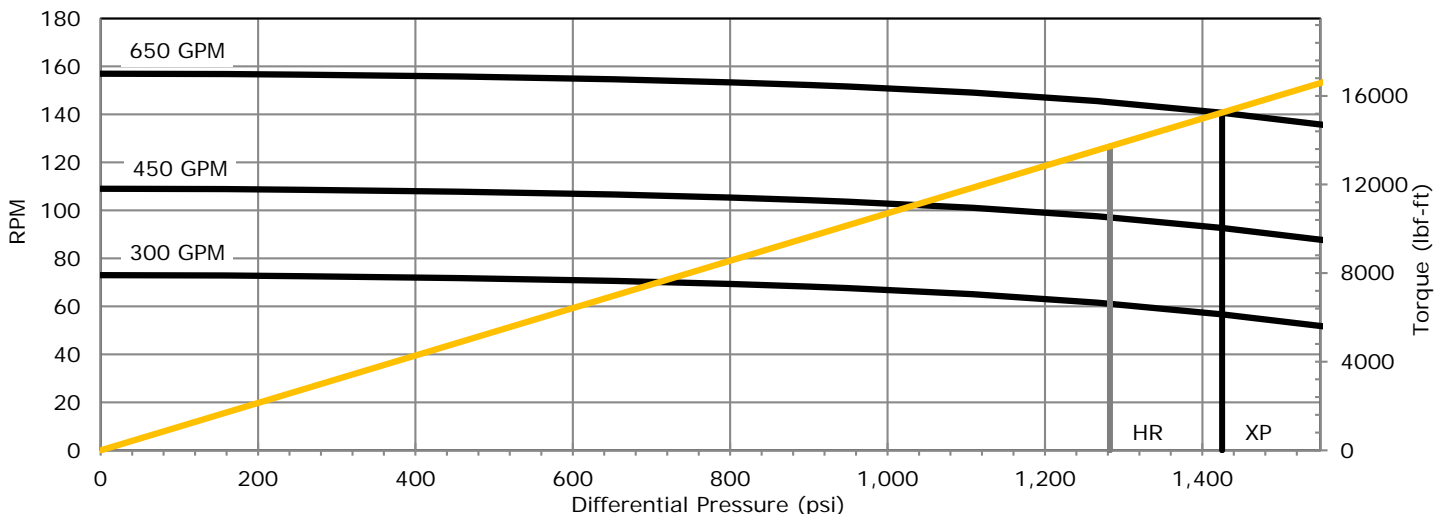
\*Bend Setting not recommended for Rotary Drilling

#### 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>	1.6	-	-	4.4	4.5	5.1
<b>1.00</b>	3.2	2.3	-	5.9	6.0	6.6
<b>1.25</b>	4.7	3.9	-	7.3	7.5	8.0
<b>1.50</b>	6.2	5.4	1.7	8.8	8.9	9.5
<b>1.63</b>	7.0	6.2	2.5	9.6	9.7	10.2
<b>1.75</b>	7.8	7.0	3.3	10.3	10.4	10.9
<b>1.88</b>	8.6	7.8	4.1	11.0	11.1	11.7
<b>2.00</b>	9.3	8.5	4.8	11.7	11.8	12.4
<b>2.25*</b>	10.9	10.0	6.4	13.2	13.3	13.8
<b>2.38*</b>	11.7	10.9	7.2	13.9	14.0	14.6
<b>2.50*</b>	12.4	11.6	7.9	14.6	14.7	15.3

\*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.