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# SUPERHAWK 500

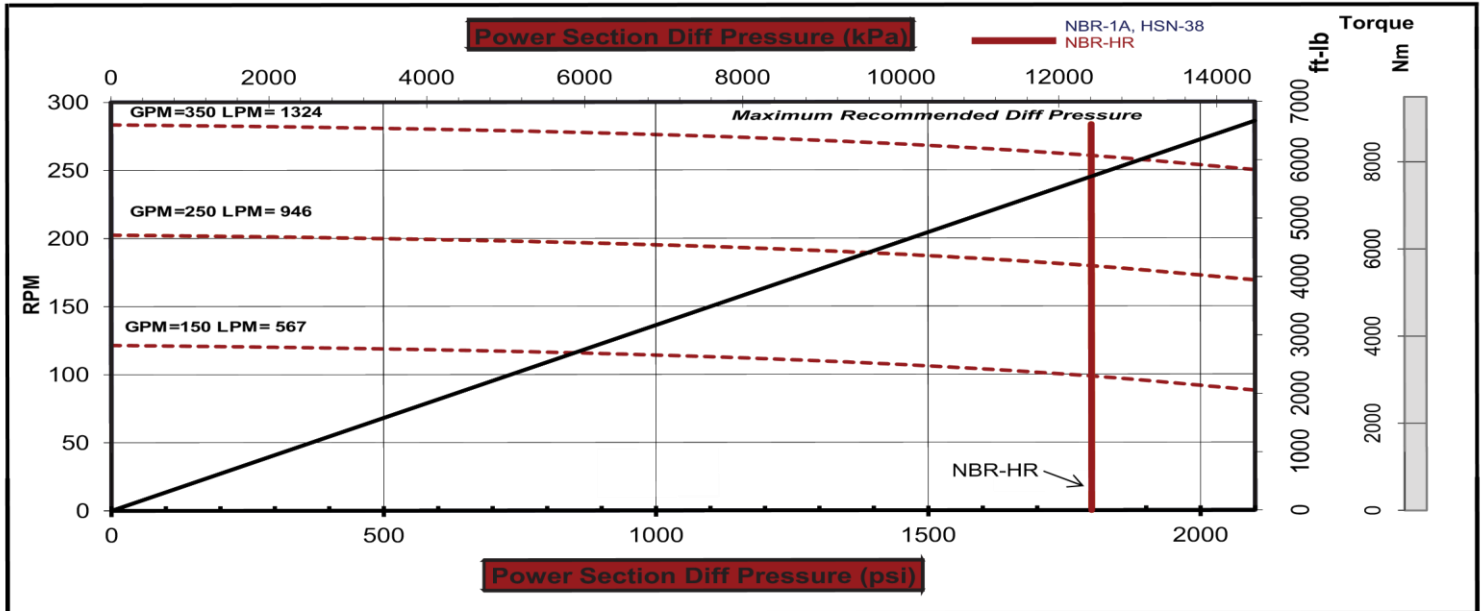
## Lateral FlexShaft

### 6:7 Profile

### 8.0 Stage HR - 5" O.D.

GENERAL DATA			
BIT SIZES	6" thru 7 7/8"	MAX. WOB - (w/flow)	30,500 lbs
BIT CONNECTION	3 1/2 REG	OPTIMUM WOB - (w/flow)	15,250 Lbs
TOP CONNECTION	3 1/2 IF	MAX. WOB - (w/o flow)	129,000 lbs
TORQUE - CONNECTIONS	9,250 ft-lb	MAX. BIT PULL - (w/damage)	200,000 lbs
TORQUE - ABH	10,000 ft-lb	MAX BODY PULL - (w/damage)	425,000 lbs

PHYSICAL PROPERTIES	
BIT TO BEND LENGTH (ABH)	NA
BIT TO BEND LENGTH (FIXED)	81 in.
NOMINAL LENGTH	385.3 in.
WEIGHT	1,450 lbs
PERFORMANCE DATA	
FLOW RANGE	150 - 350 gpm
SPEED RANGE	130 - 300 rpm
SPEED RATIO	.855 rev/gal
RECOMMENDED DIFFERENTIAL PRESSURE	1200 psi
TORQUE RATIO	2.92 ft-lb/psi
TORQUE AT MAX DIFFERENTIAL	5,920 ft-lbs
STALL TORQUE	8,870 ft-lbs



CALCULATED BUILD UP RATES - DEGREES / 100 ft.* (FIXED)								
Angle (Deg)	Hole Size (in) - Slick Sleeve				Hole Size (in) - Stabilized			
	6"	6 1/8"	6 3/4"	7 7/8"	6"	6 1/8"	6 3/4"	7 7/8"
0.25	1.3	1.2			1.0	1.0	1.3	1.9
0.50	2.4	2.4	2.0		2.3	2.3	2.6	3.2
0.75	3.6	3.6	3.2	2.6	3.5	3.6	3.9	4.4
1.00	4.8	4.7	4.4	3.7	4.8	4.9	5.2	5.7
1.25	6.0	5.9	5.6	4.9	6.1	6.1	6.4	7.0
1.50	7.2	7.1	6.7	6.1	7.3	7.4	7.7	8.2
1.75	8.4	8.3	7.9	7.3	8.6	8.7	9.0	9.5
2.00	9.5	9.5	9.1	8.5	9.9	9.9	10.2	10.8
2.25	10.7	10.7	10.3	9.7	11.1	11.2	11.5	12.0
2.50	11.9	11.8	11.5	10.8	12.4	12.5	12.8	13.3
2.75	13.1	13.0	12.7	12.0	13.7	13.7	14.0	14.6
3.00	14.3	14.2	13.9	13.2	14.9	15.0	15.3	15.8

\* Actual Build Up Rates subject to varying factors; including formation, weight on bit.  
 SH50 - 6780 - HR-Lateral-FX  
 05/28/15