

Hole Size	SLICK – ADJUSTABLE ASSEMBLY				STABILIZED – ADJUSTABLE ASSEMBLY			
	THEORETICAL BUILD RATES							
BEND ANGLE	DEGREES PER 100 FEET				DEGREES PER 100 FEET			
0.39	1.40	1.20	1.00	0.70	2.60	2.90	3.20	4.30
0.78	7.40	6.80	6.20	3.70	4.90	5.40	5.70	6.90
1.15	7.90	7.20	6.40	3.90	7.15	7.80	8.10	9.30
1.50	10.00	9.40	8.80	6.30	9.80	10.10	10.40	11.50
1.83	12.40	11.80	11.20	8.70	12.10	12.30	12.50	13.70
2.12	14.40	13.90	13.40	10.80	13.90	14.20	14.40	15.60
2.38	16.30	15.80	15.30	12.70	15.50	15.90	16.10	17.30
2.60	17.90	17.40	16.90	14.30	16.60	17.30	17.60	18.70
2.77	19.30	18.70	18.10	15.60	18.00	18.40	18.70	19.80
2.90	20.30	19.70	19.10	16.50	18.60	19.20	19.50	20.70
2.97	20.90	20.30	19.70	17.20	19.00	19.70	20.00	21.10
3.00	21.10	20.50	19.90	17.40	19.30	19.90	20.20	21.30

Hole Size	SLICK – FIXED HOUSING				STABILIZED – FIXED HOUSING			
	THEORETICAL BUILD RATES							
BEND ANGLE	DEGREES PER 100 FEET				DEGREES PER 100 FEET			
1.25	7.90	7.20	6.40	3.70	9.80	10.10	10.40	11.50
1.50	12.40	11.80	11.20	8.70	12.10	12.30	12.50	13.70
1.75	13.40	12.80	12.50	9.60	12.90	13.10	13.60	14.10
2.00	14.40	13.90	13.40	10.80	13.90	14.20	14.40	15.60
2.25	16.30	15.80	15.30	12.70	15.50	15.90	16.10	17.30

SPECIFICATIONS	
(A) Bit Box to STAB	14.75"
(B) Bit Box to Bend, ADJ.	64"
(B) Bit Box to Bend, FIX	52"
(C) Bit Box to Stator	82.5"
Power Section	194.5"
(D) RotorCatch	30"
Overall Length	306.50"
Effective Pad Diameter	7.64"
On Bottom Load	150,000 lbs
Off Bottom Load	150,000 lbs
Max WOB	410,000 lbs
Max Torque Capacity	27,000 ft-lb
Bit Box Conn.	4 1/2" REG
Max Overpull	655,000 lbs
Weight	2280 lbs

PERFORMANCE SPECIFICATIONS	
Flow Range (gpm)	300–600
Speed Range (rpm)	80–160
Torque Slope (ft-lb/psi)	9.06
Rotation (rev/gal)	0.270
Off Bottom Pressure (psi)	100

PERFORMANCE DETAILS		
	NBR	NBR-HPW/HPX
Max Diff Press (psi)	750	1180
Stall Diff Press (psi)	1130	1860
Max Torque (ft-lb)	6800	10650
Stall Torque (ft-lb)	10200	16770

