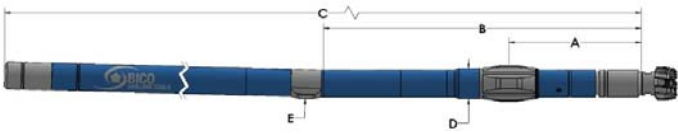


8" P100 Hard Rubber



G1 Bearing Assembly



Power Section Configuration

Lobes: 7/8 Stages: 3.0

Physical Data

Bit to Center of Stabilizer Blade	A	38.54 in (979mm)
Bit to Bend	B	100.96 in (2,564 mm)
Overall Motor Length	C	24.1 ft (7.3 m)
Max OD of Motor at Stabilizer Upset	D	9.88 in (251 mm)
Radius at Kickpad	E	4.25 in (108 mm)
Max Effective OD of Slick Motor @ Kickpad		8.00 in (203 mm)
Common Top Connection:		6-5/8" REG
Common Btm Connection:		6-5/8" REG
Recommended Bit Sizes:		9-1/2" to 12-1/4" (241.3 - 311.2 mm)

Maximum Motor Loads

		Continuous Operation	Ultimate Loading
WOB	lbs (kg)	94,800 (43,000)	-
Backreaming	lbs (kg)	48,000 (21,770)	-
Bit Overpull*	lbs (kg)	249,000 (112,940)	925,000 (419,570)
Body Overpull*	lbs (kg)	660,000 (229,370)	1,425,000 (646,370)

* While not Operating

Continuous Loads - Lay motor down if exceeded

Ultimate Loads - Motor parts may be left in hole if load approached

Recommended Operating Limits

	Imperial	Metric
Flow Range	300 - 900 gpm	1,136 - 3,407 lpm
Speed Ratio	.16 rev/gal	.042 rev/l
No Load Bit Speed	48 - 143 rpm	

Performance Output

	Imperial	Metric
Max Recommended Pressure	750 psi	52 bar
Torque Slope	16.4 ft-lb/psi	323 Nm/Bar
Torque @ Max Rec. Pressure	12,300 ft-lb	16,676 Nm
Power @ Max Rec. Pressure	281 hp	201 Kw

Predicted Build Rates - Degrees/100 ft (30 m)

ABH (°)	Slick Motor		Stabilized 1/8" UG		Stabilized 1/4" UG	
	Hole Size		Hole Size		Hole Size	
	9-7/8	12-1/4	9-7/8	12-1/4	9-7/8	12-1/4
0.39	-	-	3.0	5.0	2.4	4.3
0.78	3.0	-	5.2	7.1	4.6	6.5
1.15	5.7	-	8.4	9.1	8.0	8.5
1.50	8.3	3.7	11.6	11.1	11.2	10.4
1.83	10.7	6.1	14.6	12.9	14.1	12.2
2.12	12.8	8.2	17.2	15.3	16.8	14.8
2.38	14.7	10.1	19.6	17.6	19.1	17.2
2.60	16.3	11.7	21.6	19.6	21.1	19.2
2.77	17.5	13.0	23.1	21.2	22.7	20.7
2.90	18.4	13.9	24.3	22.3	23.9	21.9
2.97	19.0	14.4	25.0	23.0	24.5	22.5
3.00	19.2	14.6	25.2	23.3	24.8	22.8

Theoretical Performance Curve

