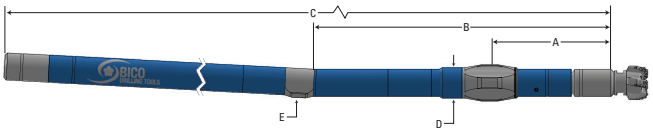
8" P100 Short-Fixed

7/8, 3.0 Stage

G1 Bearing Assembly



Physical Data

Bit to Center of Stabilizer Blade	A	38.54 in (979 mm)
Bit to Bend	B	95.98 in (2,438 mm)
Overall Motor Length	C	23.2 ft (7.1 m)
Max OD of Motor at Stabilizer Upset	D	9.88 in (251 mm)
Radius at Kickpad	E	4.63 in (117 mm)
Max Effective OD of Slick Motor at Kickpad		8.00 in (203 mm)
Estimated Total Weight:		2,970 lbs (1,350 kg)
Common Top Connection:		6-5/8" REG
Common Bottom Connection:		6-5/8" REG
Recommended Bit Sizes:		9-1/2" to 12-1/4" (241.3 - 311.2 mm)

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

	Slick Motor		Stabilized 1/8" UG		Stabilized 1/4" UG	
	Hole Size (in)		Hole Size (in)		Hole Size (in)	
Bend Angle (°)	9-7/8	12-1/4	9-7/8	12-1/4	9-7/8	12-1/4
0.25	-	-	2.4	4.6	-	3.9
0.50	2.5	-	3.9	6.0	3.2	5.3
0.75	4.4	-	5.3	7.4	4.6	6.7
1.00	6.3	-	7.2	8.9	6.7	8.2
1.25	8.2	3.2	9.5	10.3	9.1	9.6
1.50	10.0	5.1	11.9	11.7	11.4	11.0
1.75	11.9	7.0	14.2	13.2	13.7	12.5
2.00	13.8	8.9	16.5	14.6	16.1	13.9
2.25	15.7	10.7	18.9	16.7	18.4	16.3
2.50	17.6	12.6	21.2	19.1	20.7	18.6
2.75	19.5	14.5	23.6	21.4	23.1	20.9
3.00	21.4	16.4	25.9	23.8	25.4	23.3

Note: The maximum bend angle for rotary drilling is 1.83°.
Refer to Section 5.xx for rotational guidelines.

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7/8, 3.0 Stage

Maximum Motor Loads

		Continuous Operation	Ultimate Loading
WOB	lbs (kg)	77,100 (34,970)	-
Backreaming	lbs (kg)	39,000 (17,690)	-
Bit Overpull*	lbs (kg)	135,900 (61,640)	890,000 (403,700)
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	400 - 900 gpm	1,515 - 3,410 lpm
Rev. per Unit Volume (no load)	.166 rev/gal	.044 rev/l
Speed (no load)	66 - 149 rpm	

Performance Output	Imperial	Metric
Max Differential Pressure	450 psi	31 bar
Torque @ Max Pressure	7,465 ft-lbs	10,120 N-m
Power @ Max Pressure	212 hp	158 kW

Theoretical Performance Curve