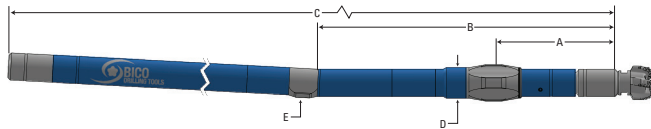


6-3/4" SS100 SR Adjustable/Long-Fixed

7/8, 3.0 Stage

G2 Bearing Assembly



Physical Data

Bit to Center of Stabilizer Blade	A	29.85 in (758 mm)
Bit to Bend	B	86.01 in (2,185 mm)
Overall Motor Length	C	20.6 ft (6.3 m)
Max OD of Motor at Stabilizer Upset	D	7.76 in (197 mm)
Radius at Kickpad	E	3.95 in (100 mm)
Max Effective OD of Slick Motor at Kickpad		6.90 in (175 mm)
Estimated Total Weight:		1,890 lbs (860 kg)
Common Top Connection:		4-1/2" REG
Common Bottom Connection:		4-1/2" REG
Recommended Bit Sizes:		8-1/4" to 9-7/8" (209.6 - 250.8 mm)

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

Bend Angle (°)	Slick Motor			Stabilized 1/8" UG			Stabilized 1/4" UG		
	Hole Size (in)			Hole Size (in)			Hole Size (in)		
	8-1/2	8-3/4	9-7/8	8-1/2	8-3/4	9-7/8	8-1/2	8-3/4	9-7/8
0.39	-	-	-	3.5	3.7	5.0	2.5	2.8	4.0
0.78	4.7	4.0	-	5.9	6.2	7.4	5.0	5.2	6.5
1.15	7.8	7.2	4.2	9.6	9.4	9.8	9.0	8.7	8.8
1.50	10.8	10.1	7.2	13.4	13.1	12.0	12.7	12.4	11.2
1.83	13.6	12.9	10.0	16.9	16.6	15.4	16.2	15.9	14.7
2.12	16.0	15.4	12.5	20.0	19.7	18.5	19.3	19.0	17.8
2.38	18.2	17.6	14.7	22.8	22.5	21.2	22.1	21.8	20.6
2.60	20.1	19.4	16.5	25.1	24.8	23.6	24.4	24.2	22.9
2.77	21.5	20.9	18.0	26.9	26.6	25.4	26.2	26.0	24.7
2.90	22.6	22.0	19.1	28.3	28.0	26.8	27.6	27.4	26.1
2.97	23.2	22.6	19.7	29.1	28.8	27.5	28.4	28.1	26.8
3.00	23.5	22.8	19.9	29.4	29.1	27.8	28.7	28.4	27.2

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

6-3/4" SS100 SR Adjustable/Long-Fixed

7/8, 3.0 Stage

Maximum Motor Loads

		Continuous Operation	Ultimate Loading
WOB	lbs (kg)	81,000 (36,740)	-
Backreaming	lbs (kg)	56,000 (25,400)	-
Bit Overpull*	lbs (kg)	197,000 (89,360)	740,000 (335,660)
Body Overpull*	lbs (kg)	526,000 (238,590)	1,070,000 (485,340)

*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	200 - 600 gpm	760 - 2,270 lpm
Rev. per Unit Volume (no load)	.285 rev/gal	.075 rev/l
Speed (no load)		57 - 171 rpm

Performance Output

	Imperial	Metric
Max Differential Pressure	750 psi	52 bar
Torque @ Max Pressure	7,620 ft-lbs	10,330 N-m
Power @ Max Pressure	248 hp	185 kW

Theoretical Performance Curve

