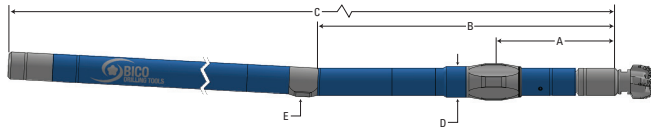


## 6-3/4" SS150 Adjustable/Long-Fixed

4/5, 6.2 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	25.9 ft (7.9 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:		2,335 lbs (1,060 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	-	-	-	2.6	2.8	3.5	-	2.0	2.8
0.78	3.7	3.2	-	4.7	4.9	5.7	4.0	4.1	4.9
1.15	6.2	5.7	3.4	7.6	7.4	7.7	7.0	6.9	6.9
1.50	8.6	8.1	5.8	10.4	10.3	9.6	9.9	9.7	8.9
1.83	10.9	10.3	8.0	13.1	13.0	12.2	12.6	12.4	11.6
2.12	12.8	12.3	10.0	15.5	15.3	14.5	14.9	14.7	14.0
2.38	14.6	14.1	11.7	17.6	17.4	16.6	17.0	16.9	16.1
2.60	16.1	15.6	13.2	19.4	19.2	18.4	18.8	18.7	17.9
2.77	17.2	16.7	14.4	20.8	20.6	19.8	20.2	20.0	19.3
2.90	18.1	17.6	15.3	21.8	21.7	20.9	21.3	21.1	20.3
2.97	18.6	18.1	15.7	22.4	22.2	21.4	21.8	21.7	20.9
3.00	18.8	18.3	15.9	22.6	22.5	21.7	22.1	21.9	21.1

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

## 6-3/4" SS150 Adjustable/Long-Fixed

4/5, 6.2 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	300 - 600 gpm	1,140 - 2,270 lpm
Rev. per Unit Volume (no load)	.49 rev/gal	.13 rev/l
Speed (no load)		147 - 294 rpm

#### Performance Output

	Imperial	Metric
Max Differential Pressure	1,550 psi	107 bar
Torque @ Max Pressure	8,835 ft-lbs	11,980 N-m
Power @ Max Pressure	370 hp	276 kW

#### Theoretical Performance Curve

