

The BICO line of downhole **Drilling Motors** is specifically designed to perform in harsh drilling conditions. The unparalleled strength and robustness of the motor comes from its innovative design, which incorporates proprietary elastomers with EvenWall™ technology to withstand hostile drilling environments. BICO offers various options of power sections designed for various applications through proprietary brands.



MOTOR SPECIFICATIONS

Motor size	2 7/8"		3 3/4"		4 3/4"		6 3/4"	
Bit sizes, in	3 1/4" to 4"		4 1/2" to 5 7/8"		5 3/4" to 6 3/4"		8-1/4" to 9-7/8"	
Max weight on bit, lbs	8 750		25 000		38 000		81 000	
Bit Overpull, lbs	Continious	Ultimate	Continious	Ultimate	Continious	Ultimate	Continious	Ultimate
	56000	128 000	90 000	221 000	96 000	465 000	197 000	740 000
Body Overpull, lbs	Continious	Ultimate	Continious	Ultimate	Continious	Ultimate	Continious	Ultimate
	88 000	159 000	162 000	298 000	229 000	465 000	526 000	1 070 000
Max allowable torque, ft×lbf	1447		4 195		7 956		21 699	
Bit connection	2 3/8 Reg		2 7/8 Reg		3 1/2 IF		4 1/2 Reg	
Top connection	2 3/8 Reg		NC 31		3 1/2 Reg		NC 50	
			2 7/8 Reg					
Sleeve stabilizer	N/A		N/A		Yes		Yes	
Bend angle, °	0..3		0..3		0..3		0..3	
Power section	SS150		SS150		SS100	SS170	SS100	SS150
Max OD of motor at Stabilizer upset, in	2.87		3.81		5.13		7.76	
Bit to bend distance, in	31.56		63.54		79.34		86.01	
Overall motor length, ft	13.45		19.69		24.93	27.17	26.9	28.17
Weight, lbs	220		573		1146	1058	1 765	2 180

PERFORMANCE SPECIFICATIONS

Motor size, in	Power Section	Lobes	Stages	Flow rate, gpm	Bit speed, rpm	Max differential pressure, psi	At max differential pressure	
							Torque, ft×lbf	Power, hp
2 7/8	SS150	5/6	3.5	60-120	216-433	875	637	49
3 3/4	SS150	4/5	4.3	80-180	129-290	1075	1 978	109
4 3/4	SS100	7/8	3.8	150-250	88-147	950	4 689	131
	SS170	5/6	5.4		169-338	1350	3 564	229
6 3/4	SS100	7/8	5.0	200-713	55-196	1250	12 187	383
	SS150	4/5	6.2	200-600	150-298	1550	8 946	430