



# Gearcon Motor Assembly Short Bit to Bend

## Model G-7: 6.5" 7/8 Lobe 3.0 Stage Slow Hard Rubber

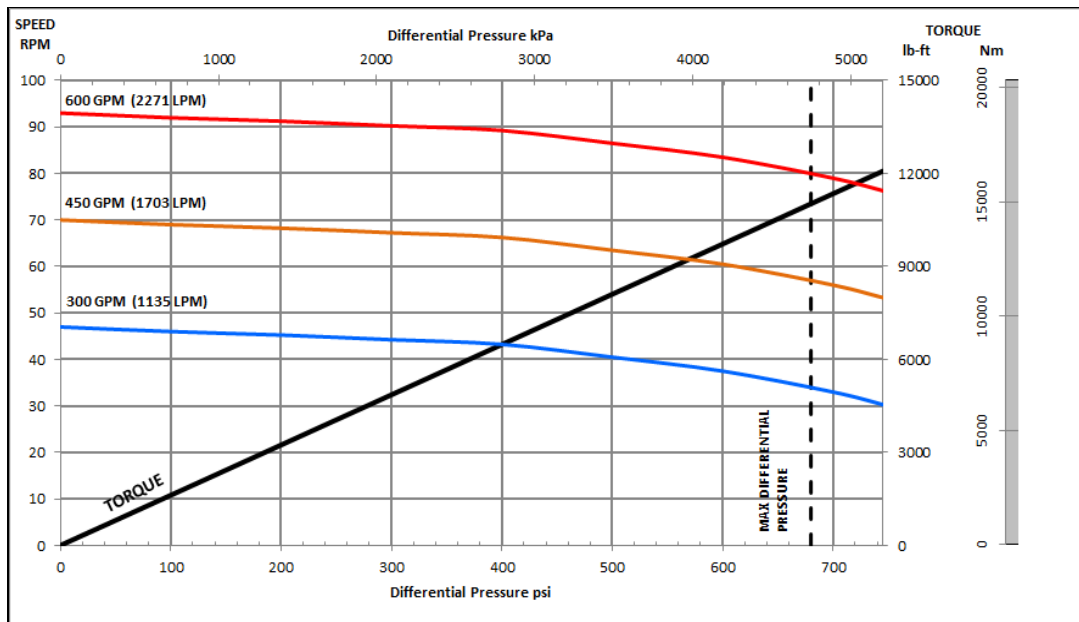
Gearcon G-7 model Mud Lube Short Bit to Bend motor allows drilling all three sections of the well in a Single Trip. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor with very high on and off bottom load capacity incorporating unique vibration free transmission.

By providing both in-house manufacturing and service, Gearcon is able to offer this superior drilling motor at competitive rates.

Specifications		
Flow Range	300 - 600 gpm	1136 - 2271 lpm
Revolutions per Volume	0.155 rev/gal	0.041 rev/l
Speed Range	46 - 93 rpm	
Max. Differential Pressure	680 psi	4,650 kPa
Torque @ Max. Diff. Pressure	10,800 lb-ft	14,640 Nm
Bit Box to Stabilizer	19 in	0.48 m
Bit Box to Bend	40(49)* in	1.02(1.24)* m
Bit Box to Top Sub	302in	7.67m
Maximum Dynamic Weight On Bit	90,000 lb	400 kN
Max. Dynamic Pull to Re-Run Motor	60,000 lb	267 kN
Max. Static Pull to Re-Run Motor	260,000 lb	1,156 kN
Pull to Yield Motor	650,000 lb	2,900 kN

\*With Adjustable Bent Housing

Predicted Build Rates - Degrees/100 ft (30 m)															
Bend Setting				0.39	0.78	1.15	1.5	1.83	2.12	2.38	2.6	2.77	2.9	2.97	3.00
Slick	Hole Size	7.875"	200 mm	4.5	7.1	9.6	11.9	14.2	16.1	17.9	19.4	20.5	21.4	21.8	22.1
		8.500"	216 mm	3.9	5.6	8.1	10.5	12.7	14.7	16.4	17.9	19.1	19.9	20.4	20.6
		8.75"	222 mm	3.8	5.1	7.6	9.9	12.2	14.1	15.9	17.3	18.5	19.4	19.8	20.0
Single Stabilizer	Hole Size	7.875"	200 mm	5.0	7.9	10.9	13.7	16.4	18.7	20.8	22.6	23.9	25.0	25.6	25.8
		8.500"	216 mm	6.5	8.7	11.5	14.3	17.0	19.3	21.4	23.2	24.5	25.6	26.1	26.3
		8.75"	222 mm	6.7	8.8	11.3	14.1	16.8	19.1	21.2	23.0	24.4	25.4	26.0	26.2



Performance curves and values for reference only, actual values will vary depending on fit, temperature, fluid and other drilling conditions.