



# Gearcon Motor Assembly

## Model G-9: 6.5" 4/5 Lobe 7.0 Stage Hard Rubber

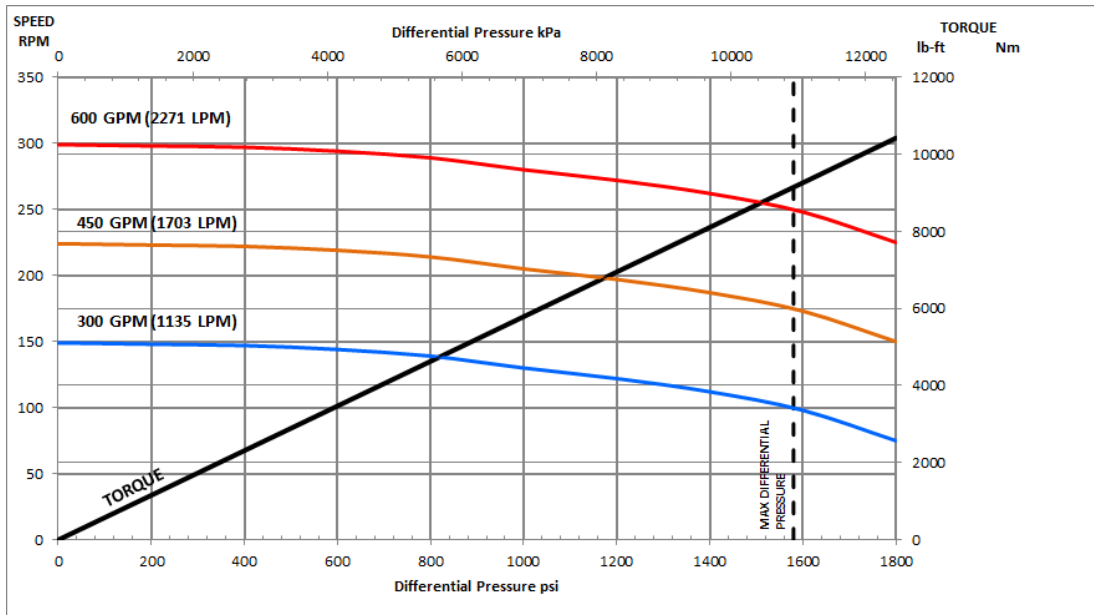
Gearcon G-9 model mud motor offers oil lubricated sealed and pressure balanced Bearing Assembly and unique vibration free transmission. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor with very high on and off bottom load capacity.

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 - 2271lpm
Revolutions per Volume	0.497 rev/gal	0.131 rev/l
Speed Range	149 - 300 rpm	
Max. Differential Pressure	1,580 psi	10,860 kPa
Torque @ Max. Diff. Pressure	9,090 lb-ft	12,330 Nm
Bit Box to Stabilizer	18 in	0.46 m
Bit Box to Bend	62 (71)* in	1.57 (1.80)* m
Bit Box to Top Sub	336 in	8.53 m
Maximum Dynamic Weight On Bit	154,000 lb	685 kN
Max. Dynamic Pull to Re-Run Motor	80,000 lb	355 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 Bend 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	0.8	3.4	5.9	8.2	10.5	12.4	14.2	15.7	16.8	17.7	18.1	18.4
		8.50"	216 mm	-	1.9	4.4	6.8	9.0	11.0	12.7	14.2	15.4	16.2	16.7	16.9
		8.75"	222 mm	-	1.4	3.9	6.2	8.5	10.4	12.2	13.6	14.8	15.7	16.1	16.3
Single Stabilizer	Hole Size	7.875"	200 mm	0.6	3.5	6.5	9.3	12.0	14.3	16.4	18.2	19.5	20.6	21.2	21.4
		8.50"	216 mm	2.1	4.3	7.1	9.9	12.6	14.9	17.0	18.8	20.1	21.2	21.7	21.9
		8.75"	222 mm	2.3	4.4	6.9	9.7	12.4	14.7	16.8	18.6	20.0	21.0	21.6	21.8



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