



# Gearcon Motor Assembly

## Model G-9: 5" 7/8 Lobe 3.8 Stage Hard Rubber

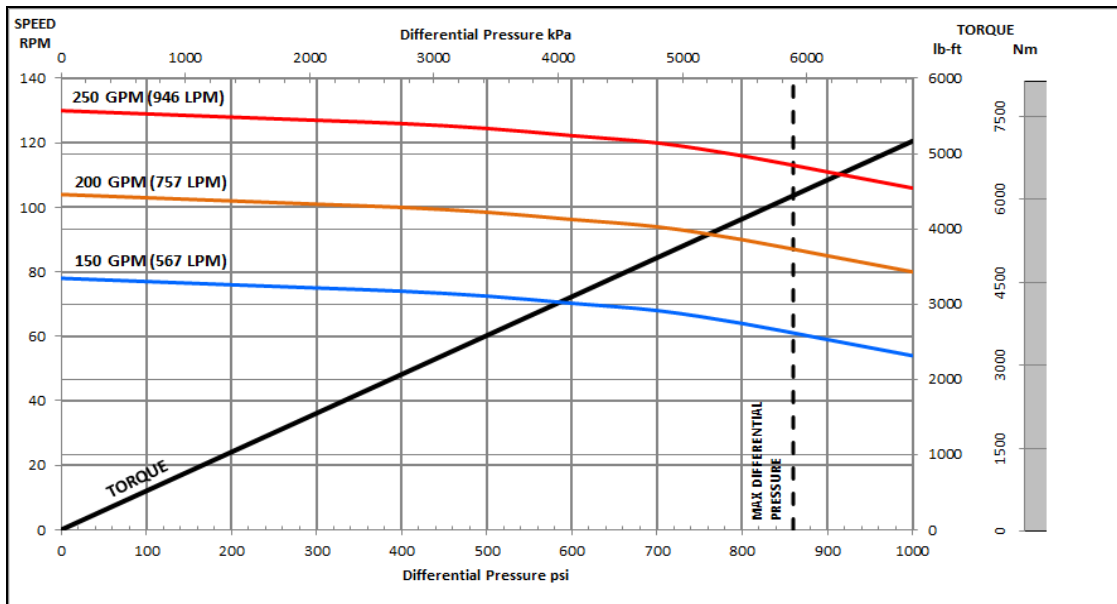
Gearcon G-9 model mud motor offers oil lubricated sealed and pressure balanced Bearing Assembly and unique vibration free transmission. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor 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	150 - 250 gpm	570 - 950 lpm
Revolutions per Volume	0.521 rev/gal	0.138 rev/l
Speed Range	78 - 130 rpm	
Max. Differential Pressure	860 psi	5,900 kPa
Torque @ Max. Diff. Pressure	4,450 lb-ft	6,030 Nm
Bit Box to Stabilizer	11 in	0.28 m
Bit Box to Bend	58 (64)* in	1.47 (1.63)* m
Bit Box to Top Sub	297 in	7.54 m
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	170,000 lb	756 kN
Pull to Yield Motor	440,000 lb	1,950 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	6"	152 mm	1.3	4.2	6.9	9.5	12.0	14.1	16.1	17.7	19.0	19.9	20.4	20.6
		6.25"	159 mm	0.6	3.5	6.2	8.8	11.3	13.4	15.3	17.0	18.2	19.2	19.7	19.9
		6.75"	171 mm	-	2.0	4.8	7.4	9.8	12.0	13.9	15.5	16.8	17.8	18.3	18.5
Single Stabilizer	Hole Size	6"	152 mm	1.7	5.0	8.2	11.3	14.2	16.8	19.1	21.0	22.5	23.6	24.3	24.5
		6.25"	159 mm	1.9	4.7	8.0	11.1	14.0	16.5	18.8	20.8	22.3	23.4	24.0	24.2
		6.75"	171 mm	2.3	4.6	7.6	10.7	13.6	16.2	18.5	20.4	21.9	23.0	23.7	23.9



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