



GEARCON

DRILLING TOOLS

Shift Gears

gearcondt.com

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Gearcon Performance Drilling Motors

Overview

Gearcon Drilling Tools is proud to introduce the vastly improved new line of G Series Performance Mud Motors to the market. The G Series motors are technological spearheads for the drilling motor industry. Both mud lubricated and oil lubricated bearing assemblies are coupled with a proprietary vibration free transmission to assure performance, reliability, efficiency and long lifespan of our tools.

Gearcon's new line includes our standard G-9 oil lubricated and sealed model, with superior torque and bearing load carrying capacity, as well as the G-9 HT, an extended oil retention, oil lubricated and sealed model with a greatly enhanced torque carrying capacity. Gearcon's other motor offering, the G-7 Mud Lubricated model with short bit to bend length, has the ability to drill all three sections of the well in a single trip.

Gearcon Drilling Motors are offered with surface set, 0-3 degree adjustable Bent Housing Assemblies or Fixed Bent Housings. All Motors are equipped with Rotor Catch Assemblies. Near bit stabilizers and offset kick pads are available upon request.

Motor Specifications

Model	Nominal OD	Bit Box to Stabilizer	Bit Box to Bend Fix Housing	Bit Box to Bend Adjustable Housing	Maximum Dynamic WOB	Maximum Dynamic Pull to Re-Run Motor	Maximum Static Pull to Re-Run Motor	Pull to Yield Motor	Maximum Torque	Standard Bit Box Connection
	in. (mm)	in. (m)	in. (m)	in. (m)	lb. (daN)	lb. (daN)	lb. (daN)	lb. (daN)	ft-lb (N.m)	
G-7 MUD LUBE	5 (127)	18 (0.46)	38 (0.97)	44 (1.12)	70,000 (31,000)	50,000 (22,000)	200,000 (90,000)	500,000 (220,000)	12,500 (17,000)	3 1/2 Reg
G-9	5 (127)	11 (0.28)	58 (1.47)	64 (1.63)	90,000 (40,000)	60,000 (26,700)	170,000 (75,600)	440,000 (195,000)	10,000 (13,550)	3 1/2 Reg
G-9 HT HIGH TORQUE	5 (127)	11 (0.28)	58 (1.47)	64 (1.63)	90,000 (40,000)	60,000 (26,700)	170,000 (75,600)	440,000 (195,000)	14,000 (18,980)	3 1/2 Reg
G-7 MUD LUBE	6 1/2 (165)	19 (0.48)	40 (1.02)	49 (1.24)	90,000 (40,000)	60,000 (26,700)	260,000 (115,600)	650,000 (290,000)	21,000 (28,470)	4 1/2 Reg
G-9	6 1/2 (165)	18 (0.46)	62 (1.57)	71 (1.80)	154,000 (68,500)	80,000 (35,500)	260,000 (115,600)	650,000 (290,000)	21,000 (28,470)	4 1/2 Reg
G-9	8 (203)	20 (0.51)	68 (1.73)	76 (1.93)	205,000 (91,000)	112,000 (50,000)	380,000 (169,000)	1,000,000 (445,000)	28,000 (38,000)	6 5/8 Reg

Gearcon currently supplies the following drilling motor and power section combinations for rent:

- 5.0" 6/7 Lobe 8.0 Stage Hard Rubber
- 5.0" HT 7/8 Lobe 3.7 Stage Hard Rubber
- 5.0" 7/8 Lobe 2.6 Stage Hard Rubber
- 5.0" 7/8 Lobe 3.8 Stage Hard Rubber
- 6.5" 4/5 Lobe 7.0 Stage Hard Rubber
- 6.5" 7/8 Lobe 3.0 Stage Slow Hard Rubber
- 6.5" 7/8 Lobe 5.0 Stage Hard Rubber
- 6.5" 7/8 Lobe 5.7 Stage Hard Rubber
- 8.0" 7/8 Lobe 4.0 Stage Hard Rubber

If you require a drilling motor and power section combination not currently in Gearcon's fleet, please contact us to discuss how we can meet your company's needs.

For all sales and rental inquiries, please contact Gearcon at:

Head Office:

Unit 5, 1008 – 17 Avenue
Nisku, Alberta
T9E 0G5
Phone: 780.955.8824
sales@gearcondt.com
www.gearcondt.com



Gearcon Motor Assembly

Model G-9: 5" 6/7 Lobe 8.0 Stage Hard Rubber

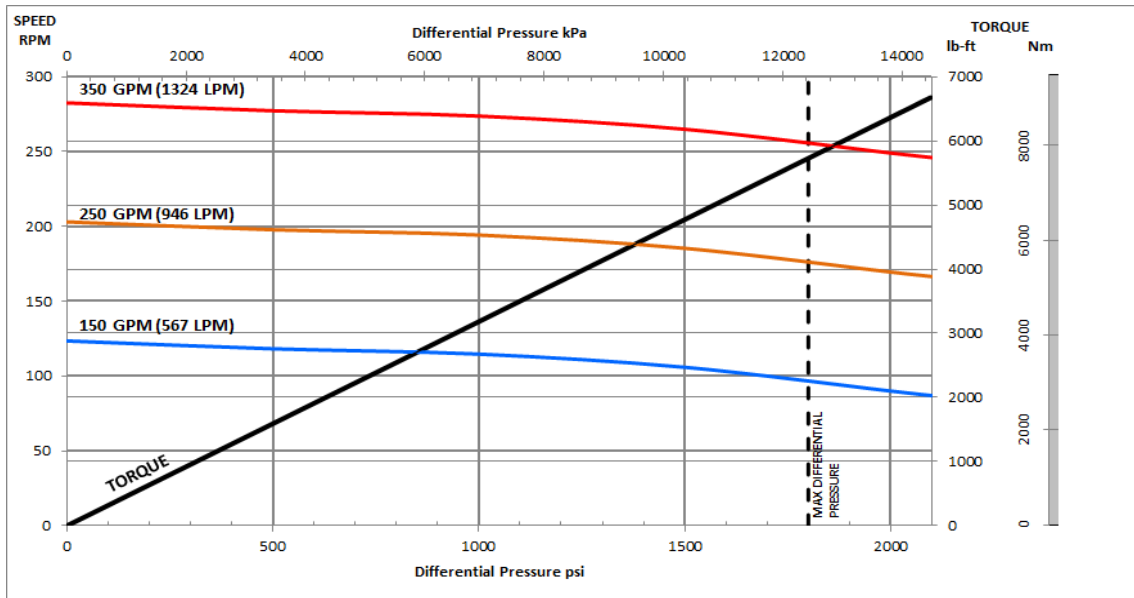
Gearcon G-9 model mud motor offers oil lubricated sealed and pressure balanced Bearing Assembly and unique vibration free transmission. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor 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	150 - 350 gpm	570 - 1320 lpm
Revolutions per Volume	0.810 rev/gal	0.214 rev/l
Speed Range	121 - 290 rpm	
Max. Differential Pressure	1,800 psi	12,410 kPa
Torque @ Max. Diff. Pressure	5,720 lb-ft	7,760 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	356 in	9.04 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	1.1	3.7	6.1	8.4	10.5	12.4	14.1	15.6	16.7	17.5	18	18.2
		6.25"	159 mm	0.5	3	5.5	7.7	9.9	11.8	13.5	14.9	16	16.9	17.3	17.5
		6.75"	171 mm	-	1.8	4.2	6.5	8.6	10.5	12.2	13.7	14.8	15.6	16.1	16.3
Single Stabilizer	Hole Size	6"	152 mm	1.5	4.3	7.1	9.7	12.3	14.5	16.4	18.1	19.4	20.4	20.9	21.1
		6.25"	159 mm	1.7	4.2	7	9.6	12.2	14.4	16.3	18	19.3	20.3	20.8	21
		6.75"	171 mm	1.9	4	6.7	9.3	11.8	14	16	17.7	19	20	20.5	20.7



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



Gearcon Motor Assembly

Model G-9: 5" 7/8 Lobe 2.6 Stage Hard Rubber

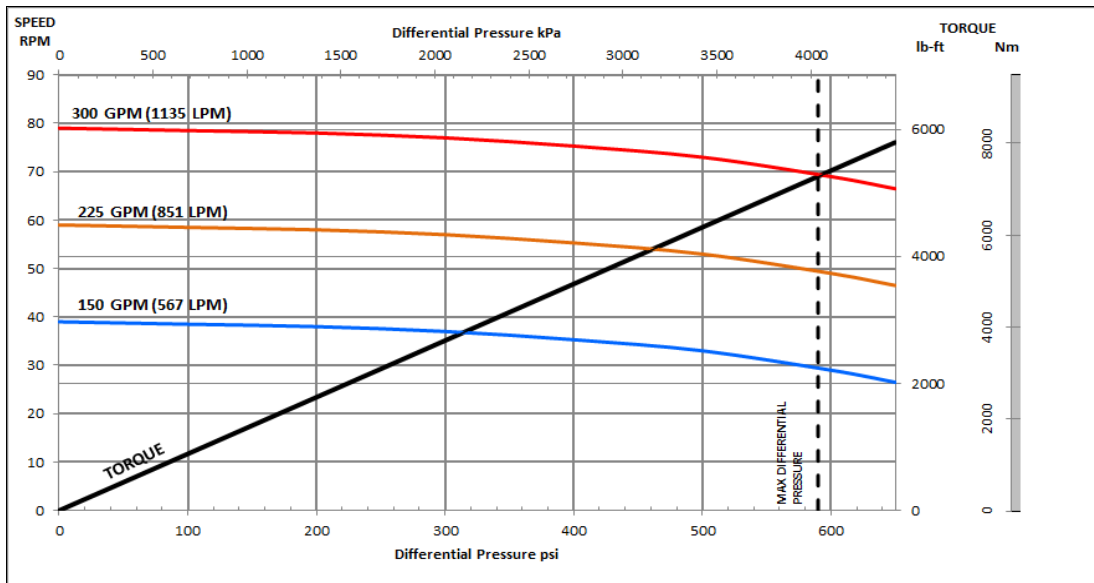
Gearcon G-9 model mud motor offers oil lubricated sealed and pressure balanced Bearing Assembly and unique vibration free transmission. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor 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 - 300 gpm	570 - 1135 lpm
Revolutions per Volume	0.263 rev/gal	0.070 rev/l
Speed Range	39 - 79 rpm	
Max. Differential Pressure	590 psi	4,030 kPa
Torque @ Max. Diff. Pressure	5,250 lb-ft	7,120 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	339 in	8.61 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	1.1	3.7	6.1	8.4	10.5	12.4	14.1	15.6	16.7	17.5	18	18.2
		6.25"	159 mm	0.5	3	5.5	7.7	9.9	11.8	13.5	14.9	16	16.9	17.3	17.5
		6.75"	171 mm	-	1.8	4.2	6.5	8.6	10.5	12.2	13.7	14.8	15.6	16.1	16.3
Single Stabilizer	Hole Size	6"	152 mm	1.5	4.3	7.1	9.7	12.3	14.5	16.4	18.1	19.4	20.4	20.9	21.1
		6.25"	159 mm	1.7	4.2	7	9.6	12.2	14.4	16.3	18	19.3	20.3	20.8	21
		6.75"	171 mm	1.9	4	6.7	9.3	11.8	14	16	17.7	19	20	20.5	20.7



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



Gearcon Motor Assembly

Model G-9HT 5" 7/8 Lobe 3.7 Stage Hard Rubber

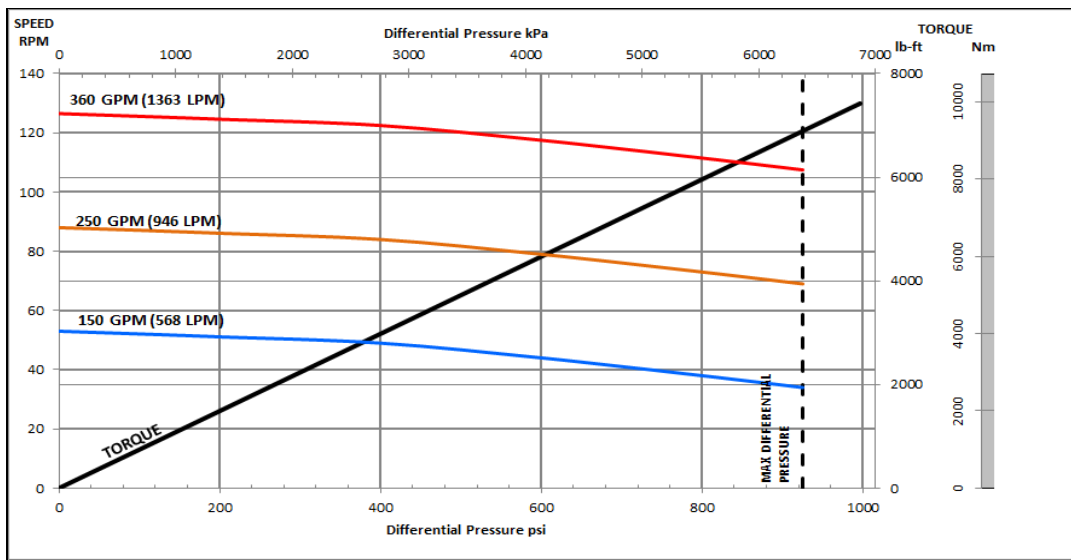
Gearcon G-9HT model mud motor offers oil lubricated sealed and pressure balanced Bearing Assembly and unique vibration free transmission. It is designed with focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor 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 - 360 gpm	568 - 1363 lpm
Revolutions per Volume	0.35 rev/gal	0.092 rev/l
Speed Range	53 - 123 rpm	
Max. Differential Pressure	925 psi	6,378 kPa
Torque @ Max. Diff. Pressure	6,894 lb-ft	9,347 Nm
Stall Torque	13,788 lb-ft	18,694 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	345 in	8.76 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	1.1	3.7	6.1	8.4	10.5	12.4	14.1	15.6	16.7	17.5	18	18.2
		6.25"	159 mm	0.5	3	5.5	7.7	9.9	11.8	13.5	14.9	16	16.9	17.3	17.5
		6.75"	171 mm	-	1.8	4.2	6.5	8.6	10.5	12.2	13.7	14.8	15.6	16.1	16.3
Single Stabilizer	Hole Size	6"	152 mm	1.5	4.3	7.1	9.7	12.3	14.5	16.4	18.1	19.4	20.4	20.9	21.1
		6.25"	159 mm	1.7	4.2	7	9.6	12.2	14.4	16.3	18	19.3	20.3	20.8	21
		6.75"	171 mm	1.9	4	6.7	9.3	11.8	14	16	17.7	19	20	20.5	20.7



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



Gearcon Motor Assembly

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

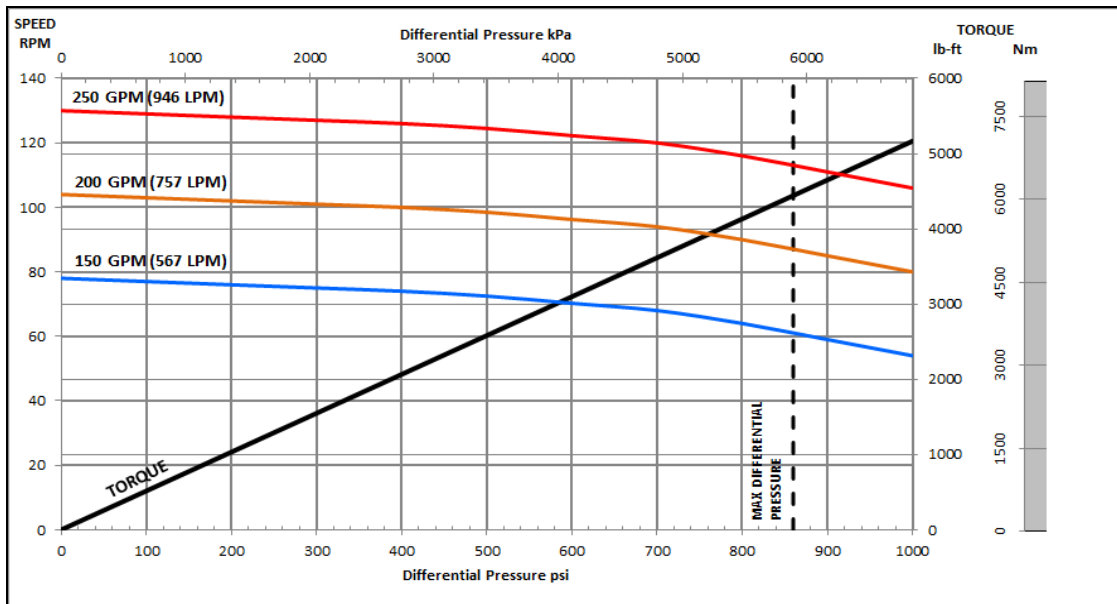
Gearcon G-9 model mud motor offers oil lubricated sealed and pressure balanced Bearing Assembly and unique vibration free transmission. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor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



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Gearcon Motor Assembly

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

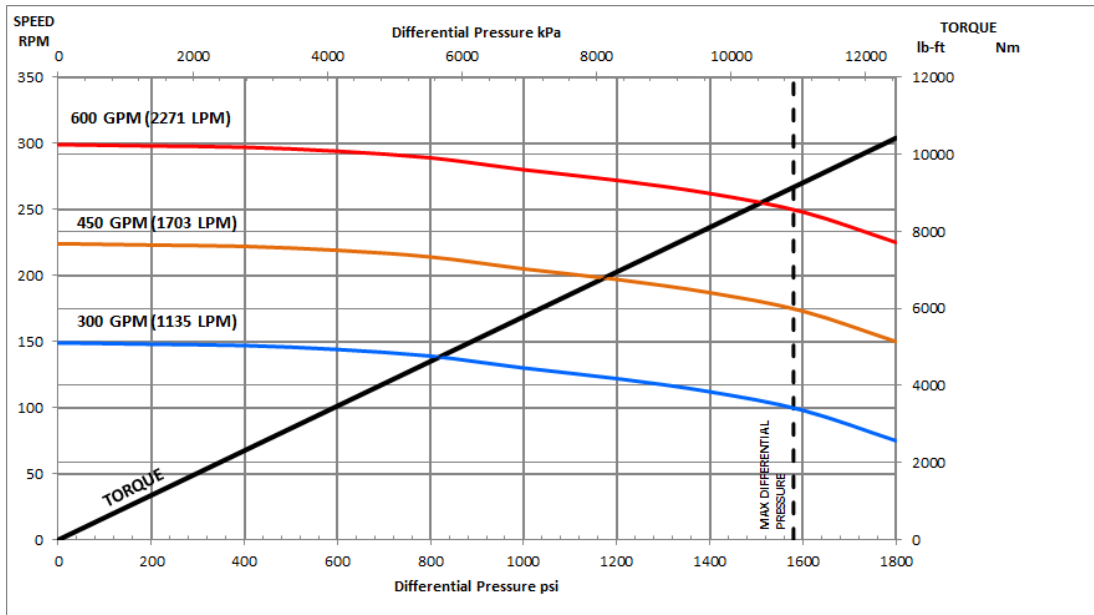
Gearcon G-9 model mud motor offers oil lubricated sealed and pressure balanced Bearing Assembly and unique vibration free transmission. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor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



Gearcon Motor Assembly Short Bit to Bend

Model G-7: 6.5" 4/5 Lobe 7.0 Stage Hard Rubber

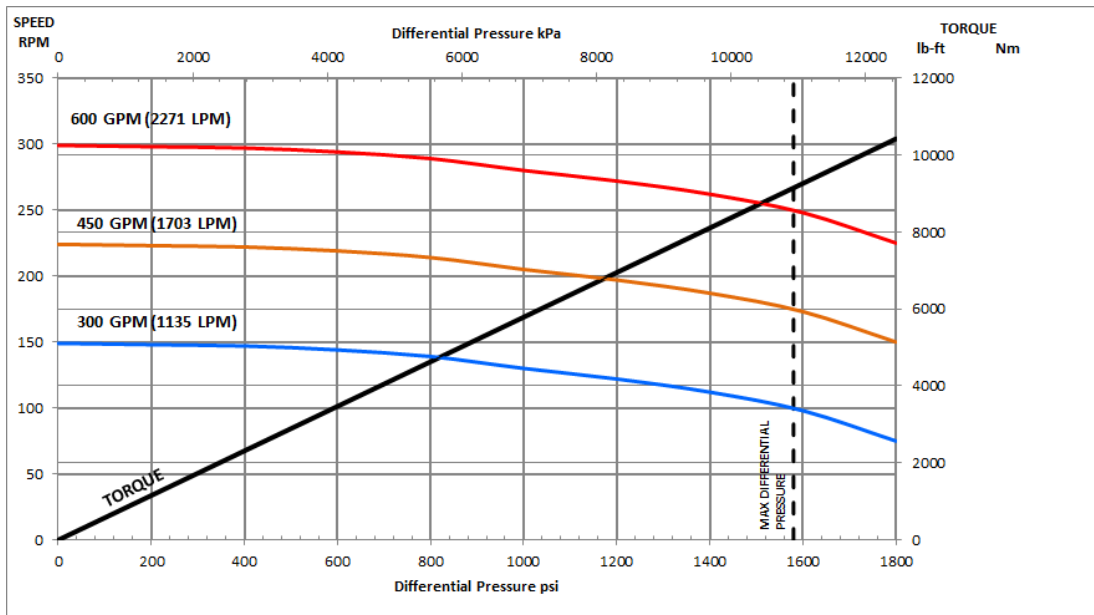
Gearcon G-7 model Mud Lube Short Bit to Bend motor allows drilling all three sections of the well in a Single Trip. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor with very high on 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 - 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	19 in	0.48 m
Bit Box to Bend	40 (49)* in	1.02 (1.24)* m
Bit Box to Top Sub	312 in	7.92 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	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	4.1	6.7	9.2	11.5	13.8	15.7	17.5	19.0	20.1	21.0	21.4	21.7
		8.50"	216 mm	3.3	5.1	7.6	10.0	12.2	14.2	15.9	17.4	18.6	19.4	19.9	20.1
		8.75"	222 mm	3.4	4.6	7.1	9.4	11.7	13.6	15.4	16.8	18.0	18.9	19.3	19.5
Single Stabilizer	Hole Size	7.875"	200 mm	4.5	7.4	10.4	13.2	15.9	18.2	20.3	22.1	23.4	24.5	25.1	25.3
		8.50"	216 mm	6.0	8.2	11.0	13.8	16.5	18.8	20.9	22.7	24.0	25.1	25.6	25.8
		8.75"	222 mm	6.2	8.3	10.8	13.6	16.3	18.6	20.7	22.5	23.9	24.9	25.5	25.7



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



Gearcon Motor Assembly

Model G-9: 6.5" 7/8 Lobe 3.0 Stage Slow Hard Rubber

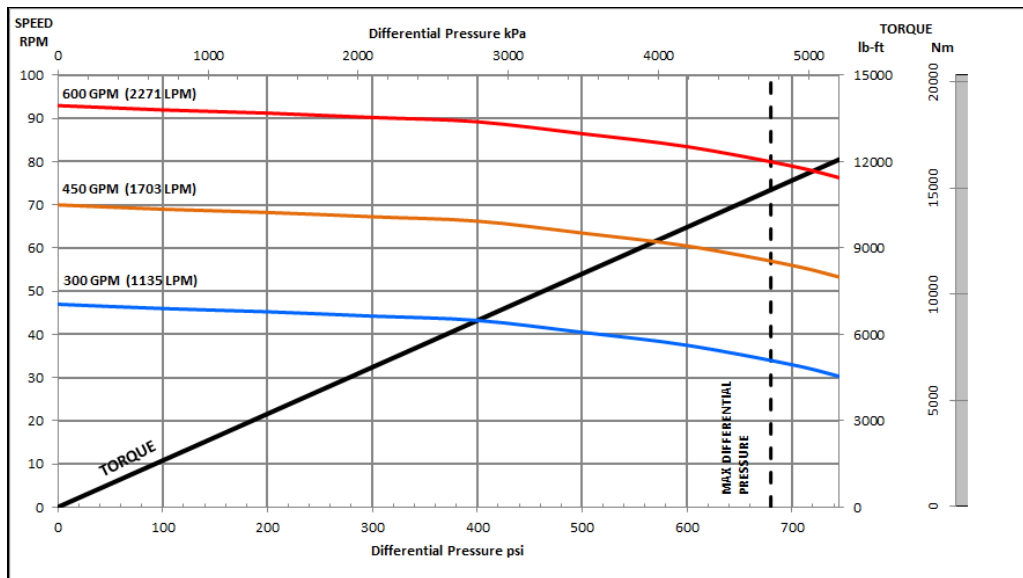
Gearcon G-9 model mud motor offers oil lubricated sealed and pressure balanced Bearing Assembly and unique vibration free transmission. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor 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 - 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	18 in	0.46 m
Bit Box to Bend	62 (71)* in	1.57 (1.83)* m
Bit Box to Top Sub	326 in	8.28 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
		8.500"	216 mm	-	1.9	4.4	6.8	9.0	11.0	12.7	14.2	15.4	16.2	16.7	16.9
		8.875"	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
		8.500"	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
		8.875"	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.



Gearcon Motor Assembly Short Bit to Bend

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

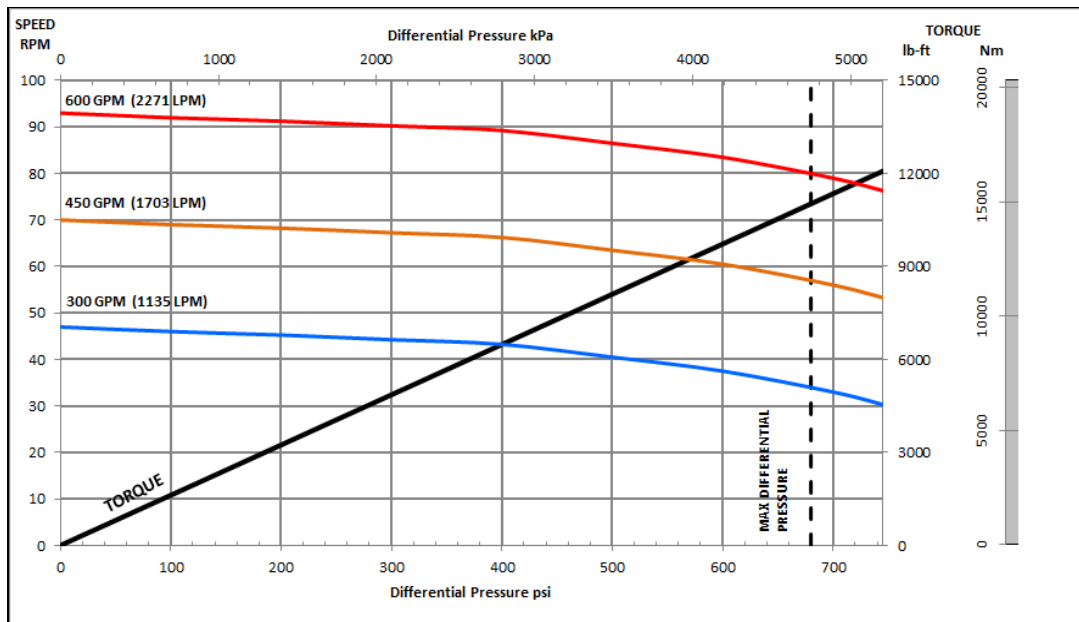
Gearcon G-7 model Mud Lube Short Bit to Bend motor allows drilling all three sections of the well in a Single Trip. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor with very high on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



Gearcon Motor Assembly

Model G-9: 6.5" 7/8 Lobe 5.0 Stage Hard Rubber

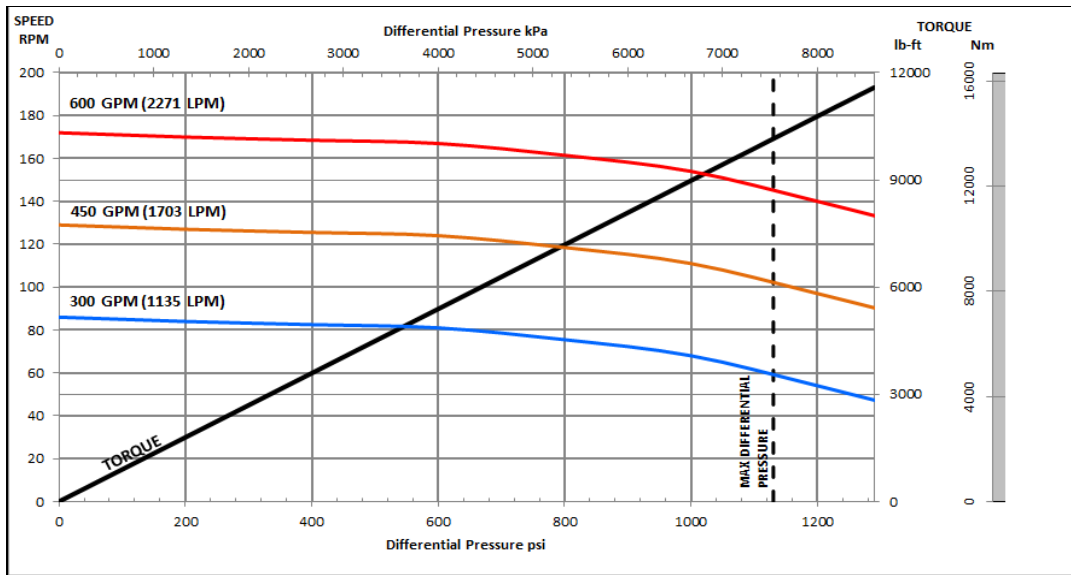
Gearcon G-9 model mud motor offers oil lubricated sealed and pressure balanced Bearing Assembly and unique vibration free transmission. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor 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 - 2271 lpm
Revolutions per Volume	0.288 rev/gal	0.076 rev/l
Speed Range	86 - 175 rpm	
Max. Differential Pressure	1130 psi	7760 kPa
Torque @ Max. Diff. Pressure	10460 lb-ft	14190 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	316 in	8.03 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	2.90	2.97	3.00	
Slick	Hole Size	7.875"	200 mm	0.8	3.5	6.1	8.5	10.8	12.8	14.6	16.1	17.3	18.2	18.7	18.9
		8.500"	216 mm	-	2.0	4.6	7.0	9.3	11.3	13.1	14.7	15.8	16.7	17.2	17.4
		8.75"	222 mm	-	1.4	4.0	6.4	8.7	10.7	12.5	14.1	15.2	16.1	16.6	16.8
Single Stabilizer	Hole Size	7.875"	200 mm	1.9	4.7	7.7	10.7	13.4	15.9	18.0	19.9	21.3	22.4	23.0	23.2
		8.500"	216 mm	2.2	4.4	7.3	10.2	13.0	15.4	17.6	19.4	20.8	21.9	22.5	22.7
		8.75"	222 mm	2.4	4.6	7.1	10.1	12.8	15.2	17.4	19.2	20.7	21.8	22.3	22.5



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



Gearcon Motor Assembly Short Bit to Bend

Model G-7: 6.5" 7/8 Lobe 5.0 Stage Hard Rubber

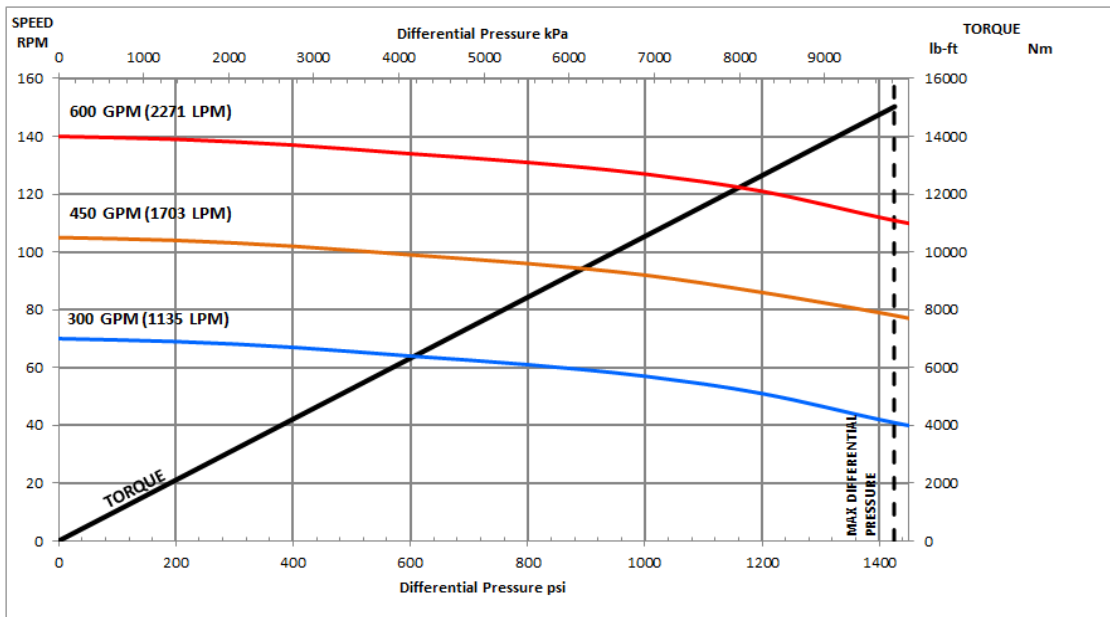
Gearcon G-7 model mud lube Short Bit to Bend motor allows drilling all three sections of the well in a Single Trip. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor with very high on 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	0.288 rev/gal	0.076 rev/l
Speed Range	86 - 175 rpm	
Max. Differential Pressure	1130 psi	7760 kPa
Torque @ Max. Diff. Pressure	10460 lb-ft	14190 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	292 in	7.42 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	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	2.90	2.97	3.00
Slick	Hole Size	7.875"	200 mm	4.6	7.3	9.9	12.3	14.6	16.6	18.4	19.9	21.1	22.0	22.5	22.7
		8.500"	216 mm	4.0	5.8	8.4	10.8	13.1	15.1	16.9	18.5	19.6	20.5	21.0	21.2
		8.75"	222 mm	3.9	5.2	7.8	10.2	12.5	14.5	16.3	17.9	19.0	19.9	20.4	20.6
Single Stabilizer	Hole Size	7.875"	200 mm	6.5	9.3	12.3	15.3	18.0	20.5	22.6	24.5	25.9	27.0	27.6	27.8
		8.500"	216 mm	6.8	9.0	11.9	14.8	17.6	20.0	22.2	24.0	25.4	26.5	27.1	27.3
		8.75"	222 mm	7.0	9.2	11.7	14.7	17.4	19.8	22.0	23.8	25.3	26.4	26.9	27.1



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



Gearcon Motor Assembly

Model G-9: 6.5" 7/8 Lobe 5.7 Stage Hard Rubber

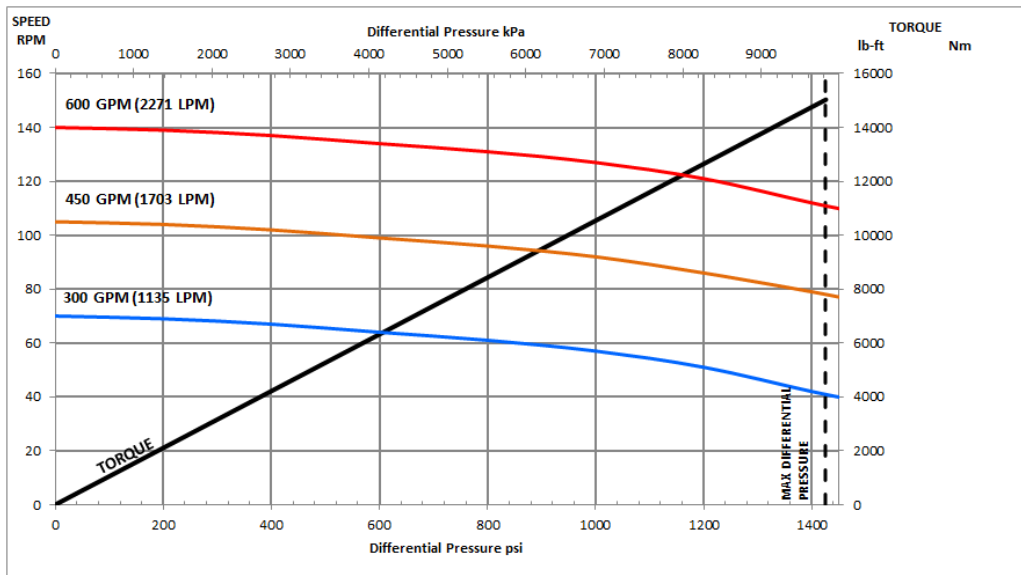
Gearcon G-9 model mud motor offers oil lubricated sealed and pressure balanced Bearing Assembly and unique vibration free transmission. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor 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 - 2271 lpm
Revolutions per Volume	0.23 rev/gal	0.062 rev/l
Speed Range	70 - 139 rpm	
Max. Differential Pressure	1425 psi	9825 kPa
Torque @ Max. Diff. Pressure	15034 lb-ft	20383 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	382 in	9.70 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	2.90	2.97	3.00	
Slick	Hole Size	7.875"	200 mm	0.6	2.9	5.0	7.1	9.0	10.7	12.2	13.4	14.4	15.2	15.6	15.7
		8.500"	216 mm	-	1.7	3.8	5.8	7.7	9.4	10.9	12.2	13.2	13.9	14.3	14.5
		8.875"	222 mm	-	1.2	3.3	5.3	7.3	8.9	10.4	11.7	12.7	13.4	13.8	14.0
Single Stabilizer	Hole Size	7.875"	200 mm	2.3	4.5	7.0	9.4	11.6	13.6	15.3	16.8	17.9	18.8	19.3	19.5
		8.500"	216 mm	2.5	4.4	6.7	9.1	11.3	13.2	15.0	16.5	17.6	18.5	19.0	19.2
		8.875"	222 mm	2.6	4.5	6.6	8.9	11.2	13.1	14.9	16.4	17.5	18.4	18.9	19.1



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



Gearcon Motor Assembly Short Bit to Bend

Model G-7 6.5" 7/8 Lobe 5.7 Stage Hard Rubber

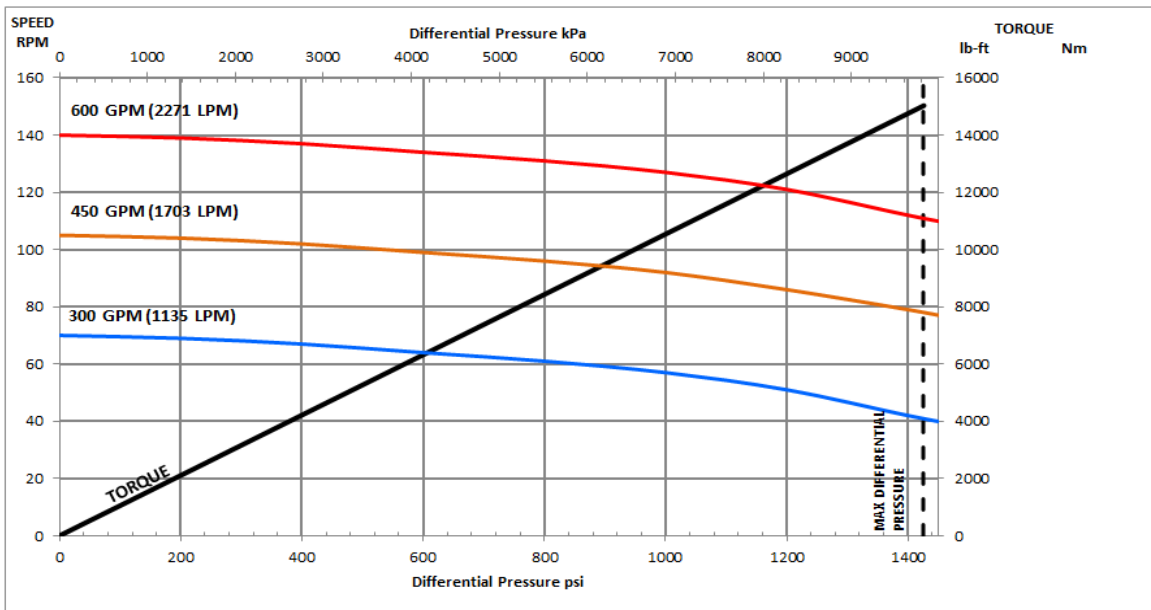
Gearcon G-7 model mud lube Short Bit to Bend motor allows drilling all three sections of the well in a Single Trip. It is designed with focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor with very high on 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	0.23 rev/gal	0.062 rev/l
Speed Range	70 - 139 rpm	
Max. Differential Pressure	1425 psi	9825 kPa
Torque @ Max. Diff. Pressure	15034 lb-ft	20383 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	358 in	9.09 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	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	2.90	2.97	3.00	
Slick	Hole Size	7.875"	200 mm	3.8	6.1	8.2	10.3	12.2	13.9	15.4	16.6	17.6	18.4	18.8	18.9
		8.500"	216 mm	3.4	4.9	7.0	9.0	10.9	12.6	14.1	15.4	16.4	17.1	17.5	17.7
		8.75"	222 mm	3.2	4.3	6.4	8.4	10.4	12.0	13.5	14.8	15.8	16.5	16.9	17.1
Single Stabilizer	Hole Size	7.875"	200 mm	6.0	8.2	10.7	13.1	15.3	17.3	19.0	20.5	21.6	22.5	23.0	23.2
		8.500"	216 mm	6.2	8.1	10.4	12.8	15.0	16.9	18.7	20.2	21.3	22.2	22.7	22.9
		8.75"	222 mm	6.3	8.2	10.3	12.6	14.9	16.8	18.6	20.1	21.2	22.1	22.6	22.8



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



Gearcon Motor Assembly

Model G-9: 8" 7/8 Lobe 4.0 Stage Hard Rubber

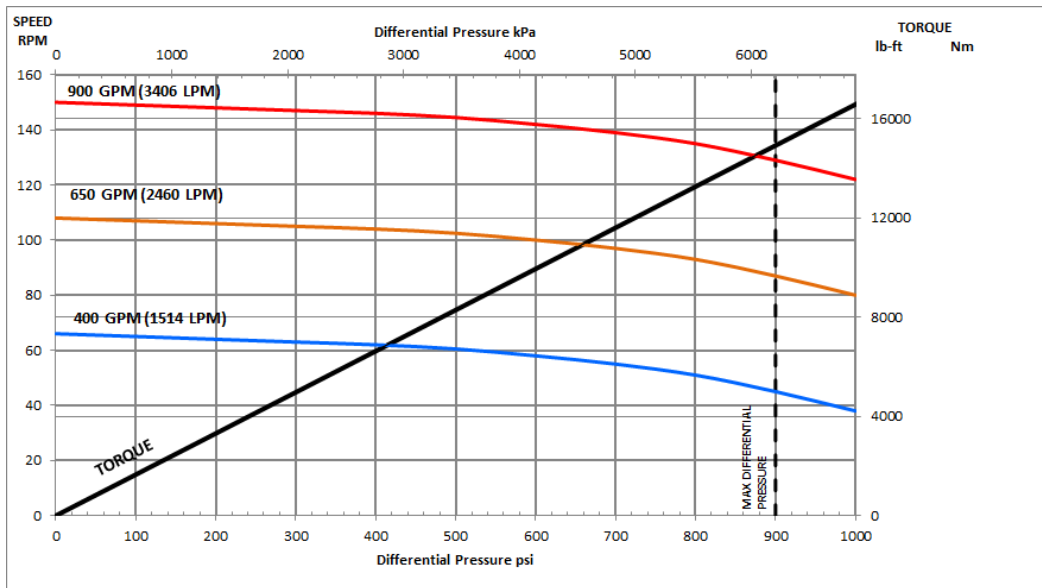
Gearcon G-9 model mud motor offers oil lubricated sealed and pressure balanced Bearing Assembly and unique vibration free transmission. It is designed with a focus on performance and reliability. Large diameter internal components are integrated into the proprietary design to provide a high torque motor 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	400 - 900 gpm	1510 - 3410lpm
Revolutions per Volume	0.166 rev/gal	0.044 rev/l
Speed Range	66 - 150 rpm	
Max. Differential Pressure	900 psi	6,210 kPa
Torque @ Max. Diff. Pressure	14,930 lb-ft	20,240 Nm
Bit Box to Stabilizer	20 in	0.51 m
Bit Box to Bend	68 (76)* in	1.73 (1.93)* m
Bit Box to Top Sub	357 in	9.07 m
Maximum Dynamic Weight On Bit	205,000lb	910kN
Max. Dynamic Pull to Re-Run Motor	112,000lb	500kN
Max. Static Pull to Re-Run Motor	380,000lb	1,690kN
Pull to Yield Motor	1,000,000lb	4,450kN

*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	9.875"	200 mm	0.6	2.9	5.0	7.1	9.5	11.6	13.4	15.0	16.2	16.9	17.4	17.5
		10.625"	216 mm	-	1.7	3.8	5.8	8.0	10.1	11.8	13.2	14.5	15.4	15.9	16.1
		12.25"	222 mm	-	-	0.6	2.6	4.9	6.8	8.6	10.0	11.2	12.0	12.5	12.7
Single Stabilizer	Hole Size	9.875"	200 mm	2.3	4.5	7.0	9.6	12.1	14.4	16.5	18.2	19.6	20.5	21.3	21.5
		10.625"	216 mm	2.5	4.4	6.5	9.1	11.7	14.0	16.1	17.8	19.2	20.1	20.8	21.0
		12.25"	222 mm	3.4	5.4	7.5	9.4	11.2	13.1	15.2	16.9	18.3	19.2	19.8	20.0



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