

GOPHER



The Gopher drilling machine is marketed in the UK and Europe by Weldgrip Strata and Ground Control Services. It is a manually operated rotary, low pressure machine, with a three stage leg operation. A range of machines cover operational heights of 1.1 to 4.1 metres.

The Gopher will operate with pressures between 60 and 100 psi and can be used with the appropriate drill steels for dry or wet drilling.

- Double dump valve for improved operational speed.
- External leg housing made from wound carbon fibre improves durability and reduces machine weight.
- Improved water valve increases operational water pressure.
- Larger exhaust silencer reduces noise value to 84dBA.
- Improved strong, lightweight durable glass filled plastic head piece and pivot block.

- Output from gearbox can be specified either as:
High Torque - Low Speed or
Low Torque - High Speed.
- Easy to maintain and low service costs.

Applications include:-

- Mining
- Quarrying
- Tunnelling
- Civil Engineering

Gopher Drilling Machine Specification

High Speed Gearbox

Operating Pressure	bar	6.20	5.51	4.13
	psi	90	80	60
Chuck Free Speed	rpm	875	850	800
Stall Torque	Nm	190	170	136
	lb/ft	140	125	100

High Torque Gearbox

Operating Pressure	bar	6.20	5.51	4.13
	psi	90	80	60
Chuck Free Speed	rpm	650	600	550
Stall Torque	Nm	223	203	163
	lb/ft	165	150	120

Leg Thrusts

Operating Pressure	bar	6.20	5.51	4.13
	psi	90	80	60
1st Stage	kN	10.36	9.02	6.89
	lbs	2320	2030	1550
2nd Stage	kN	7.73	6.89	5.34
	lbs	1740	1550	1200
3rd Stage	kN	5.70	5.11	3.74
	lbs	1280	1150	840

Dimensions - Heights

Machine Type		Closed	Open
MGS/250/3/LP	mm	1080	2360
MGS/310/3/LP	mm	1280	3050
MGS/350/3/LP	mm	1440	3650
MGS/410/3/LP	mm	1530	4100

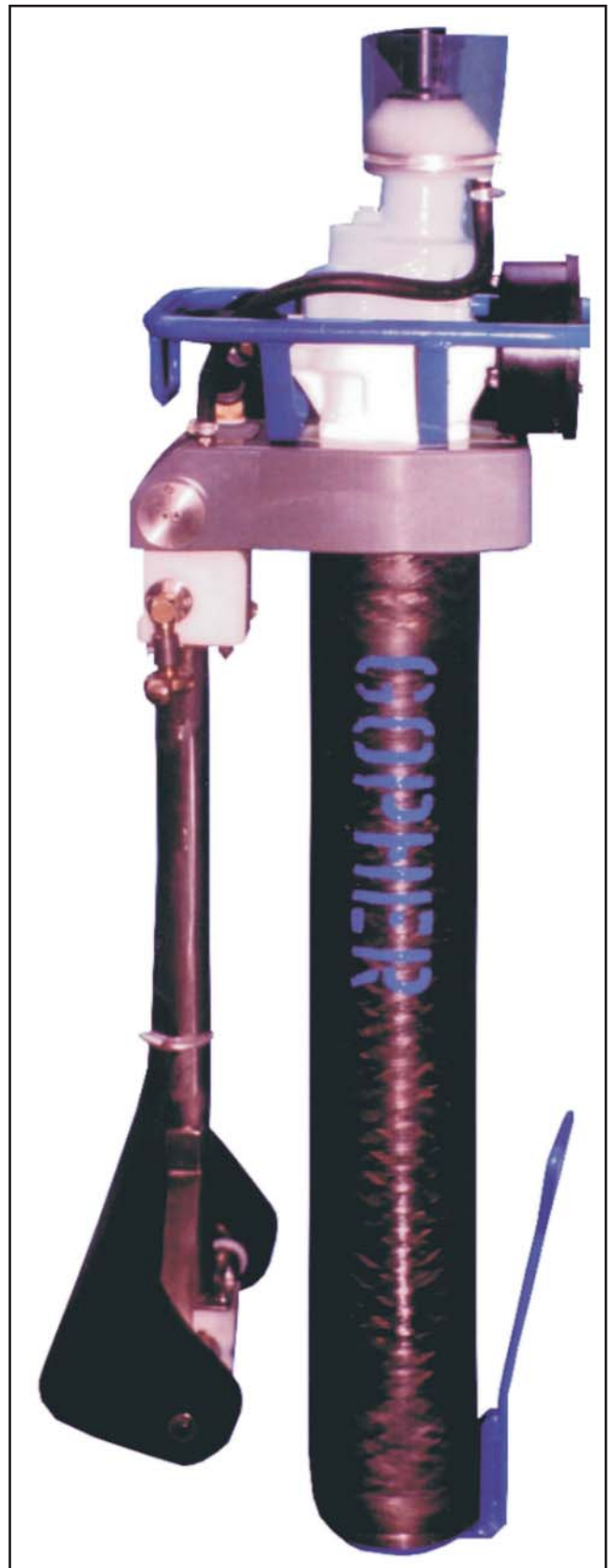
Safety Information

Vibration Factor	m/s ²	0.678
Noise Reading	dBA	84

Test data is provided by Lloyds Beal and International Mining Consultants Ltd., Bretby Test Centre.



In use in a coal mining application



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