

CONSTRUCTION / ENERGY

TURMAG DRILLING MACHINE

DESCRIPTION

The Turmag Drilling Machine is a hand held rotary drill with sealed roller bearings and a pneumatic drive. It can be used with auger rods for dry drilling, or turbine scrolls for wet or air flush applications.

Its light weight and high power make it ideally suited for rope access work.

The Turmag has been developed in accordance with state of the art technology with regard to efficiency, handling and operational safety.



APPLICATION AND USE

- Rock netting of cliff faces - drilling and installation of netting retention anchors.
- Rockbolting of cuttings - drilling and installation. Hole lengths of up to 10 metres can easily be drilled in medium to soft strata.
- Soil nailing embankments - drilling soil reinforcement holes up to a depth of 1 0 metres.
- Gabion basket anchors - drilling and installation of anchors for additional stability.
- Diamond core drilling - high rotational speed and water flush is ideal for Diamond Coring.
- Tunnel refurbishment - drilling and installation of rockbolts for temporary or permanent support.

ADVANTAGES

- It is a lightweight machine - easy to hold and use
- The plastic housing protects the machine from damage and reduces operational vibration
- Rotary valve handle makes for ease of operation
- Spring loaded safety feature to prevent operation of machine when not in use
- Centrifugal governor, a fail-safe integral part of the machine which prevents over-speed in idle running mode
- Integral gear lock, used for withdrawing stalled rods

TECHNICAL DATA

SPECIFICATIONS

Parameter	Value
Operating Pressure	4 -6 Bar (60 - 90 psi)
Rotational Motor Rating	2.5 kW
Stall Torque	107 Nm
Noise Emission	91 dB(A)
Air Consumption at nominal rated speed	4m ³ /min (140 cf min)
Dynamic Braking and Speed Limitation	(Integrated Centrifugal Governor)
No-load Speed	900 rpm
Gear Lock	Manual
Water Flush (Water Injection head only)	5-25 l/min
Typical Vibration (Free Running)	AV O 22 m/s ² HAEQR Scale

DIMENSIONS

Parameter	Value
Length	185 mm
Width	660 mm
Height	124 mm
Weight	10.5 kg

DRILLING

Parameter	Value
Working length of drill	1.0/10.0 m
Drill hole diameter	25/55 mm

APPROVALS AND CERTIFICATES

1. Machine Pressure tested by Lloyds Beal Test Centre.

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