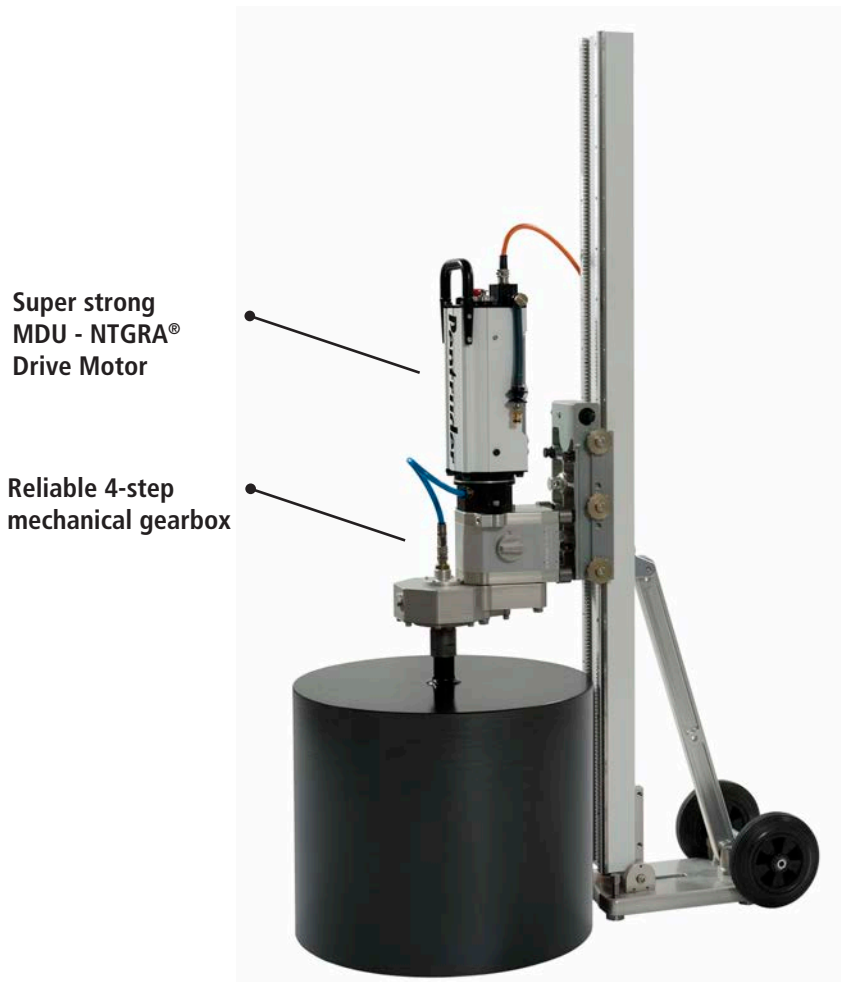


# Pentruder<sup>®</sup>

## Pentruder MD1 drilling machine with MDU9-HV-NTGRA<sup>®</sup> Modular Drive Unit



Rear support and extension adapter for heavy duty drilling



Very rigid drill rig with track or column



### High performance - Reliability - Easy handling

- The Pentruder MD1 drill system is a versatile and very powerful drilling system.
- With NTGRA<sup>®</sup> integrated power you will have more power on the spindle than with any other electrical drill motor.  
Up to 9 kW output on 3-phase 400 - 480 Volt power.
- The Pentruder MDU runs on both 1-phase and 3-phase input power.
- Drill from Ø 100 mm up to over Ø 1000 mm holes easy and efficiently.
- Choose between the MCCS-system with the saw track or the 70 mm column system as drill rig.
- The carriage is very stable and gives perfect control over the drill bit.
- The MG41 4-speed gearbox is built to last. Together with a spindle unit it will offer a high torque and unbeatable performance.

# Tecnichal data

## Pentruder MD1 Drilling Machine

### Power

Drive motor:	MDU9-HV-NTGRA® Modular Drive Unit	
(for HF- or hydraulic drive, see other product sheet).		
Max power output:	9.1 kW	
Max torque:	910 Nm	
Input Voltage:	380-480 V	
Input frequency:	50 - 60 Hz	
Minimum fuse:	10 Amp (with reduced power output)	
Recommended fuse:	16 Amp	

### Drill bit:

Max Ø drill bit with:	<b>Track (MCCS) 70 mm Column</b>	
Spindle unit ST3 (w/o ERMD1):	630 mm	600 mm
Spindle unit ST3 (1 x ERMD1):	820 mm	790 mm
Spindle unit ST3 (2 x ERMD1):	1020 mm	970 mm
Spindle unit ST3 (3 x ERMD1):	1210 mm	1160 mm

### Spindle rpm:

MDU9-HV-NTGRA®+	
ST2 Spindle Unit +	
MG41 4-step Gearbox :	35 - 675 rpm

## Modules

### Modules MD1:

MDUMR-MG41 Adapter with slip clutch, for MG41 gearbox and HF-motors:	2.0 kg
MG41 4-speed gearbox:	8.2 kg
ST3 Spindle Unit for MG41 (quick disconnect coupling optional):	7.3 / 7.5 kg
ERMD1 Extension Adapter for MD1 (Extends capacity by Ø 190 mm per adapter):	3.3 kg



Tractive AB reserves the right to change technical data without previous notice.

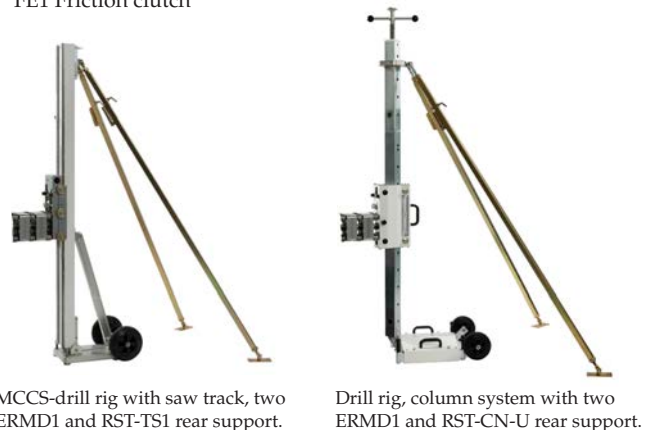
## Drill rig

### Rig for MD1 Drilling Machine with saw track (MCCS)

BTS-3/BTS-4 Base plate:	5.8 / 6.6 kg, 220 x 320 mm
BTS-5 Base plate:	380 x 290 mm
WT-BTS-4 Wheels for BTS-4:	
TS Track:	
0.85 / 1.15 / 2 / 2.3 / 3.45 m:	6.95 kg/m
RST-TS1 Rear Support for TS track:	
TSS300 Joint block, TSP1 Track stop	2.3 kg / 0.7 kg
Alt. 1: CER-M3-MD1 Carriage roller type, manual feed, reduction 3:1	4.4 kg
Alt. 2: CEG-M25 Carriage gliding, manual feed	8.1 kg

### Rig for MD1 Drilling Machine with 70 mm column system:

Base plate, BE1 fixed/BE2 adjustable quick disconnect coupling:	18 kg
CN Columns 0.5 / 1.2 / 1.5 / 2 m:	6.8 / 12.1 / 14.5 / 14.5* kg
* The 2 meter column is only extendable at the bottom.	
RST-CN-U/RST-CN-M Rear Support for CN Column Universal / for Male Coupling	
CE1-70 Carriage for 70 mm Columns	
FE1 Friction clutch	



## System

The MDU Modular Drive Unit can be used as a stand alone drive unit as in the MD1 Drilling Machine or with an integrated carriage and three different interchangeable spindle units.

Pentruder MCCS is a truly modular system based on the wall saw track. The track is used both for the drill rig and for the wire saw rig, as well as for other more special set ups.

Be sure to check out the other modules in the **Pentruder Modular Concrete Cutting System!**

### Example of MCCS modules



MDU Core Drill - NTGRA®  
mounted on CEL-TS Carriage  
for Line and Corner Drilling



Pentruder Universal  
Drill rig

# Pentruder®

by TRACTIVE

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