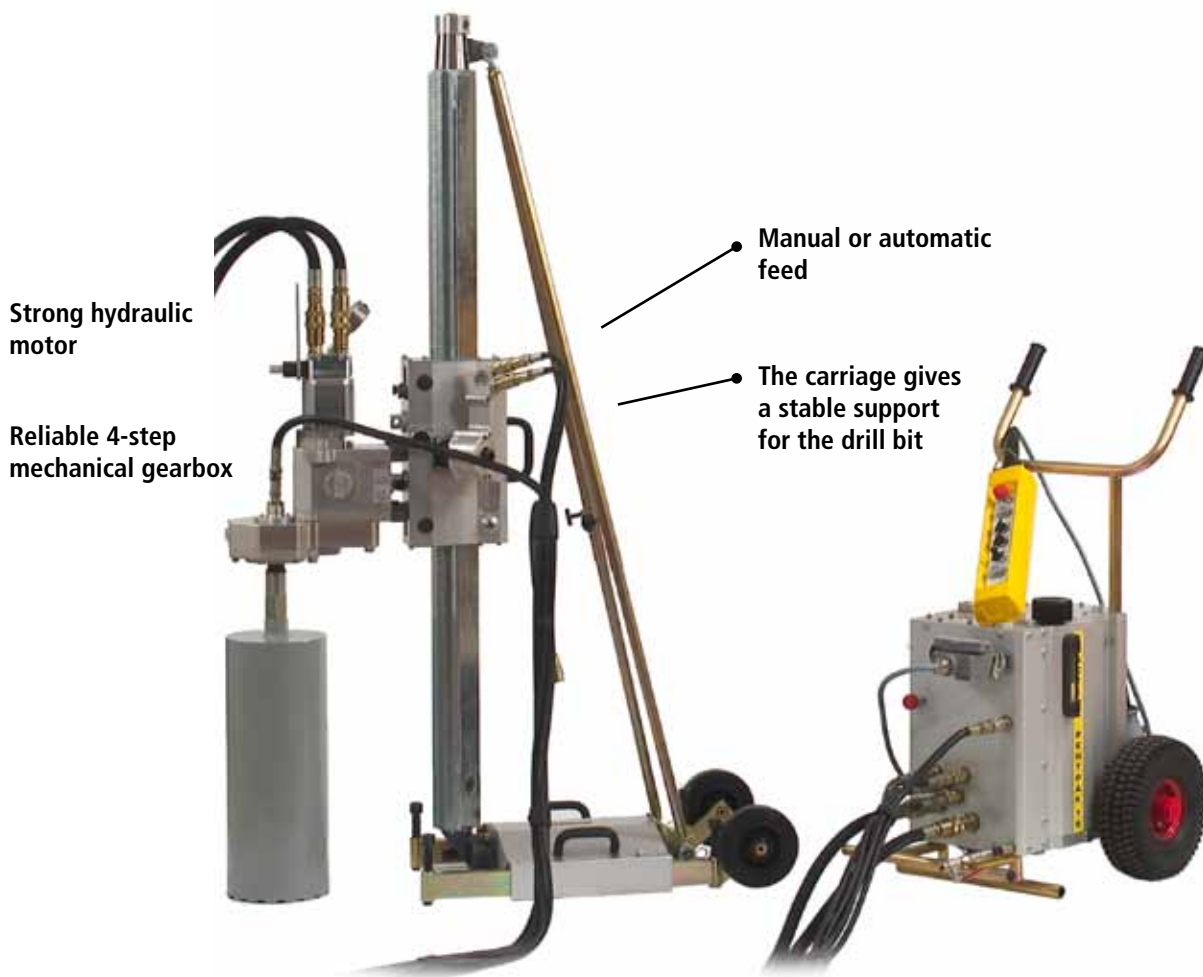


Pentruder[®]

Pentruder MD1 Hydraulic drilling machine



High performance - Reliability - Easy handling

- The Pentruder MD1 drill system is a versatile and very powerful drilling system.
- Recommended to use with the 15, 20 or 25 hydraulic power pack and 16 or 25 cc hydraulic motor.
- Choose between the MCCS-system with the saw track or the 70 mm column system as drill rig.
- The set up is quick and easy thanks to clever Quick Disconnect Couplings.
- It is easy to drill in any angle with the pivoting head.
- 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 Hydraulic drilling machine

Drill bit:

Max Ø drill bit with:	Track (MCCS) 70 mm Column	
Spindle unit ST2/ST3 (w/o ERMD1):	630 mm	600 mm
Spindle unit ST2 (1 x ERMD1):	820 mm	790 mm
Spindle unit ST2 (2 x ERMD1):	1010 mm	980 mm
Spindle unit ST2 (3 x ERMD1):	1200 mm	1170 mm

Spindle rpm with spindle units ST2 and ST3 :

Pentpak 25	1:st gear	2:nd gear	3:rd gear	4:th gear
25 cc motor + ST2:	120 rpm	195 rpm	335 rpm	530 rpm
25 cc motor + ST3:	250 rpm	395 rpm	680 rpm	1080 rpm

Pentpak 20/15	1:st gear	2:nd gear	3:rd gear	4:th gear
25 cc motor + ST2:	65 rpm	100 rpm	175 rpm	280 rpm
25 cc motor + ST3:	130 rpm	210 rpm	360 rpm	570 rpm
16 cc motor + ST2:	100 rpm	160 rpm	275 rpm	435 rpm
16 cc motor + ST3:	205 rpm	325 rpm	560 rpm	890 rpm

Torque with spindle units ST2 och ST3 :

Pentpak 25	1:st gear	2:nd gear	3:rd gear	4:th gear
25 cc motor + ST2:	1010 Nm	630 Nm	370 Nm	230 Nm
25 cc motor + ST3:	490 Nm	310 Nm	180 Nm	115 Nm

Pentpak 20/15	1:st gear	2:nd gear	3:rd gear	4:th gear
25 cc motor + ST2:	1010 Nm	630 Nm	370 Nm	230 Nm
25 cc motor + ST3:	490 Nm	310 Nm	180 Nm	115 Nm
16 cc motor + ST2:	865 Nm	540 Nm	315 Nm	200 Nm
16 cc motor + ST3:	420 Nm	265 Nm	155 Nm	100 Nm

Pentpak 15 / 20 / 25 Hydraulic power pack

Pentpak 15	42 L/min@175 bar
Pentpak 20	42 L/min@200 bar
Pentpak 25	80 L/min@140 bar
Input Voltage:	400 V
Input frequency:	50 Hz
Minimum fuse:	16 / 25 / 32 Amp
Recommended fuse:	32 / 32 / 63 Amp
Weight:	26 kg

System

Pentruder MD1 hydraulic drill system can be driven by a 16 or 25 cc hydraulic motor. Together with the MG41 gearbox and a ST2 or ST3 spindle unit and one of the hydraulic power packs Pentpak 15, 20 eller 25, up to 1200 mm big holes can be drilled easily and efficiently.

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.

As an option the drill rig can also be built with the 70 mm column system, see Drill rig.

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

Drill rig

Rig for MD1 Drilling Machine with saw track (MCCS)

BTS3/BTS4 Base plate:	5.8 / 6.6 kg, 220 x 320 mm
TS Track:	
0.85 / 1.15 / 2 / 2.3 / 3.45 m:	6.95 kg/m
TSS300 Joint block, TSP1 Track stop	2.3 kg / 0.7 kg
Alt. 1: CER Carriage roller type, manual feed, reduction 3:1 or 6:1	4.4 kg
Alt. 2: CEG-MD1 Carriage gliding, auto feed max 0.9 m/min	8.1 kg

Rig for MD1 Drilling Machine with 70 mm column system:

Alt. 1: BE1 Base plate fixed/BE2 adjustable quick disconnect coupling:	18 kg
Alt. 2: BETC Base plate w top mount fixed quick disconnect coupling:	14.8 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.	
CE1 Carriage for 70 mm columns	9.5 kg
PT-HY12.5/20 Hydraulic feed unit for CE1:4.0 kg	



Modules MD1

MG41 4-speed gearbox:	8.2 kg
ST2/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.

Examples of MCCS modules



TTF Twin track

CER Carriage, roller type, MD1

JTTF Jacking track

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