Pre-loaded spindle bearings
For extreme stability, the spindle runs on pre-loaded SKF taper roller bearings.

Wide 100-1440 RPM range
Use any of the three easily exchangeable Spindle Units.

Very reliable slip clutch
No frequent adjustments needed.

High intensity LEDs signal motor load

15 electronic gears + Reverse
Adjust speed while drilling on easy to set spindle speed dials.

Easy to adjust power dial
Increase or decrease output power to the drill bit.

Extreme stability
Very rigid drill stand can handle both small and large drill bits.
Angle drilling is very easy with the MDU Core Drill thanks to pre-loaded, tapered roller bearings in spindles.

High performance and productivity - Reliability - Easy handling

- With NTGRA® integrated power you will have more power on the spindle than with any other drill motor. Up to 14 HP output on 3-phase 400-480 volt power.
- The Pentruder MDU Core Drill - NTGRA runs on both 1-phase and 3-phase input power. 200-480 volt
- Up to 29 inch drill bit with spacer blocks.
- Effectively combines two or three different drill motor sizes and types in one single drill motor.
- Low maintenance and high reliability motor thanks to extremely rugged and simple design, use of a brushless motor without windings in the rotor. Built to last!
- Military grade electronics ensure reliability.

360° swivel gear box (patented)
Just loosen two bolts and turn the gearbox to any position. Makes set up much easier.

EXCLUSIVELY AVAILABLE FROM

ICS®
Diamond Tools and Equipment
Pentruder MDU Core Drill - NTGRA®

**Input Power:**
- 200-480V 3-phase
- 220V single phase

**Drill bit diameter range:**
- 220 V: 4" - 24" / 29"
- 480 V: 4" - 29"

**Spindle unit SL:**
- 4" - 13" / 13 - 24"
- 4" - 29"

**Spindle unit SM:**
- 3/4" - 13" / 13 - 24"

**Spindle unit SH:**
- 3/4" - 13" / 13 - 24"

The spacer block ERMDU-75 adds 5.9 inches additional capacity to the spindle unit.

**Gears:**
- 15 electronic + Torque limited reverse gear

**Spindle speed under load:**
- Spindle unit SL: 100 - 450 rpm
- Spindle unit SM: 200 - 900 rpm
- Spindle unit SH: 320 - 1440 rpm

**Weight:**
- Drive unit: 35 lbs
- Drive unit + SM or SH spindle unit: 42 lbs
- Drive unit + SL spindle unit: 48 lbs
- Drive unit + SM or SH spindle unit + feed gear and roller unit: 48 lbs
- Drive unit + SL spindle unit + feed gear and roller unit: 55 lbs

**Protection class:**
- IP 67

**System**

With the MDU Core Drill - NTGRA® holes from .75 - 29 inches can be drilled easily and efficiently. For even bigger holes, the MDU drive unit can be used with our MD1 drill system with the MG41 4-step gearbox. Pentruder MCCS is a truly modular system based on the wall saw track. The track is used for the drill rig as well as for other special set ups.

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

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**Modules MDU Core Drill - NTGRA®**

**Input Power:**
- MDU9 HV-NTGRA: Modular Drive Unit for 230V 1-phase
- 400-480V 3-phase

**Spindle unit with quick change coupling**
- SL-QC / SM-QC / SH-QC: Spindle unit with 1-1/4"-7 UNC thread

**Spindle unit with quick change coupling**
- SL-1-1/4" / SM-1-1/4" / SH-1-1/4": Spindle unit with 1-1/4"-7 UNC thread

**Feed gear unit - Manual**
- FT-M3

**Roller unit**
- RT-45

**Accessories**

**DR-1-1/4":** Adapter QC - 1-1/4"-7 UNC

**TP3:** Track stop

**ERMDU-75:** Spacer block 3 inch for MDU

**ERMDU-25:** Spacer block 1 inch for MDU

**Drill rig**

**BTS-3/BTS-4 Base plate:** 12 lbs / 14 lbs, 9" x 13"

**TS Track:**
- 33", 45", 67", 79", 90", 136"

**HK-1:** Hand crank for feeding

**WT-BTS-4:** Wheels for BTS-4

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

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

Example of MCCS modules