

DATA SHEET



Portable core drilling machine

MAIN FEATURES

- Light and portable: weighs 36 kg only
- Steel tilting column up to 60-75°
- Slide with rollers and ball bearings
- Aluminium base fixable by anchors or vacuum horizontally or vertically

GENERAL DESCRIPTION

The machine is composed by three main parts:

- Electric motor speed reducer
- Light alloy base with adjustable feet, and wheels
- Support column

These three parts can be easily assembled and disassembled for transportation. The support steel column can be angled with respect to the base. The motor support is mounted on rollers and ball bearings. The aluminium base can be easily fit on site by anchors, by suitable holding column or by vacuum using the appropriate accessory (see accessories). The machine can be used at any angle within the horizontal position by the appropriate fixing making sure that flushing water does not drop directly onto the motor. For internal use we suggest the machine is fit with a water collector system (see accessories, 83-C0350/5 Water collecting ring).

We propose other models of coring machines: Universal heavy duty model (see [Universal core drilling machine](#)) and for asphalt coring (see [Pavement core drilling machine](#)).

Core bits, extension, strap wrench, and other accessories, not included. See accessories.

TECHNICAL SPECIFICATIONS

- Shaft thread: 1¼-7
- Power: 2200 W at 230 V; 1800 W at 110 V
- Full load speed: 670/1140/1580 r.p.m.
- Coring range dia.: 35/150 mm
- Dimensions approx.: 451x290x860 mm
- Weight approx.: 36 kg

ORDERING INFO

83-C0350 Universal portable core drilling machine, three speeds motor. 230 V, 50-60 Hz, 1 ph

83-C0351 Universal portable core drilling machine, three speeds motor. 110 V, 60 Hz, 1 ph

ACCESSORIES

Machine accessories: vacuum system

83-C0350/1 Kit attachment for vacuum connection. Fits the opening in the middle of basement. Comprising the connection plate with gasket, the vacuum gauge and the base gasket. Vacuum pump not included. See 83-C0365.

83-C0365 Vacuum pump with reservoir. 230 V, 50-60 Hz, 1 ph

83-C0365/Z Vacuum pump with reservoir. 110 V, 60 Hz, 1 ph. To provide the vacuum for holding securely the base. To be used with the Kit 83-C0350/1. Supplied complete with reservoir which is very useful to maintain for some time a suitable vacuum level to avoid the fall or disconnection of the machine from the wall in case of current interruption.

- Weight approx.: 11.5 kg

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Water collecting

83-C0350/5 Water collecting ring for bits up to 150 mm dia. Confines waste water on the surface. It has to be connected with a suitable electric pump.

Coring bits and accessories

Thin wall diamond bits with bronze welded sectors suitable either for concrete or asphalt. Fixed standard coupling assuring the best alignment, fast and easy fitting and disassembling. Bit length 400 mm approx. They can be used for either asphalt or concrete.

The core extractor is offered as an optional accessory and simplifies the removal of the core sample from the hole.

Core bits	To take core dia. mm	Weight approx. kg	Suitable core extractor model
83-C0320	50	2.2	83-C0310/2
83-C0321	75	2.8	83-C0311/2
83-C0322	100	3.7	83-C0312/2
83-C0323	150	5.4	83-C0313/2
83-C0324	200	7.5	83-C0314/2

83-C0300/1 Extension rod 228 mm long

83-C0300/2 Strap wrench for fitting and removal of core bits

Portable water pressure tank

83-D2020 Portable water pressure tank, 10-15 l cap. Useful when tap water is not available.



83-C0350 with core bit



83-C0350 with Vacuum kit 83-C0350/1, Vacuum pump with reservoir 83-C0365 and core bit