



One Man On-Site Core Drilling Machine

CRT-SCM

The Cooper One Man On-Site Core Drilling Machine is your solution to core drill 60 holes within 2 hours with only one man operation

The Cooper One Man On-Site Core Drilling Machine CRT-SCM is self contained and provides a rigid and stable drill platform for all types of coring in a wide variety of asphalt & concrete surfaces for medium duty. To carry out any form of testing requires straight & clean sided core samples. Vibration of a diamond core drill during the coring process will result in a badly finished core that will need to be 'dressed' before any meaningful testing can be carried out. In addition, vibration of a core drill will also quickly damage the diamond cutting face by erosion of the individual diamonds resulting in rapid wear rates. Coring should always be carried out using a rigid, stable & vibration free operating platform to ensure the integrity of core samples. The manually operated drill feed control provides for a rapid but safe drill penetration with minimum core bit wear rate.

Key Features

- Petrol engine 5.0KW
- Drill diameters up to 200 mm
- Drill depths up to 450 mm
- Hand fed drill feed allows for safe coring even through steel reinforcement bars
- Wide variety of drill motor options
- Fits into a small commercial van or medium size estate car
- Water capacity 25 litres
- Platform is operator stabilized
- Power take-off facility for driving a hydraulic road breaker or hydraulic tamper
- Conforms to AASHTO T 24

Key Uses

- Medium code drilling in both asphalt and concrete surfaces. Ideal for taking occasional test samples in road surfaces or air field runways
- One man operation keeps costs to a minimum

Accessories

Accessories are not included in the price of main device (unless stated otherwise) and may be purchased separately if required.

CRT-DRIL-611 Extension bar 100mm¹

CRT-DRIL-612 Extension bar 200mm¹

- CRT-DRIL-613 Extension bar 300mm¹
- CRT-DRIL-997 Selection of 5 'asphalt' coring barrels 107mm to 162mm diameter¹
- CRT-DRIL-642 10 Metre hydraulic extension hose kit c/w snap couplings Steel
- CRT-DRIL-643 15 Metre hydraulic extension hose kit c/w snap couplings Steel
- CRT-DRIL-662 10 Metre water extension hose c/w snap couplings
- CRT-DRIL-663 15 Metre water extension hose c/w snap couplings

Specifications

Technical specifications are subject to change without notice.

Prime mover(s)	Honda 5.0kW Petrol engine
Electric Start	Yes
Charging System	On board engine charging
Water pump	12 V DC driven on-board switched pump
Water tank	25 litres capacity
Hydraulic reservoir	6 litres capacity
Hydraulic outputs	20 litres /min @ 100 bar
Hydraulic Filtration	Return line filter 25 micron
Drill Motors	4 displacements of single speed motors
Speed ranges from 600 to 2400 rpm	Not required
Drill Capacity	200 mm standard
Drill Depth	600 mm maximum
Drill Speed	Infinitely variable control valve at the motor
Wheels	Solid rubber
Dimension mm (W x D x H)	1400 x 3600 x 1250
Weight (approx.) Kg	78

Maintenance

Annual Service and Maintenance Contracts are available for this device.

Please enquire for further details. Note: This device should be checked and calibrated annually.

Datasheet Version: 19.01/01