

CORING MACHINE MULTI CORE-DRILL

Specimen preparation and ultimately specimen quality are critical factors in material characterization. IPC Global's Multi Core-Drill is a superior laboratory asphalt core drill whose robust and rigid design provides a precise coring of asphalt prisms, cylindrical and slab samples to the highest quality.

The Multi Core-Drill has been designed to be easy to use, flexible and adaptable providing users with precise drilling capabilities. This will enable users to have absolute confidence in the quality of their specimens and the reliability of their test results.

Designed, in particular, for coring samples 100 mm dia., 150 mm high for Dynamic Modulus (AMPT, AASHTO TP79) and 38 to 75 mm high for Indirect Tensile Tests (EN 12697-24 and 26) coming, as example, from Gyratory compactors.

Included as standard the Multi Core-Drill comes with the support and clamping device that sits inside the stainless steel tray and ensures asphalt samples produced by IPC Global's PRESBX are held firm and in the correct position for drilling.

The Multi Core-Drill can also be provided with an optional device which allows for up to 80 mm transversal movement of the drill for parallel coring. This device, in combination with the longitudinal movement of the carriage, ensures high cutting alignment and increases the number of cores obtained from the same prismatic sample. Bidirectional coring is suitable for 38, 50 and 75 mm dia. See upgrading options.

The innovative transversal coring clamp system allows users to obtain cylindrical asphalt specimens in 38, 50 and 75 mm dia. This unique accessory (see accessories) ensures that samples, both 100 and 150 mm dia., are securely clamped whilst drilling is commenced to provide perfect specimens every time.

A unique, easy and intuitive cylindrical clamp accessory allows users to quickly and easily core asphalt specimen from cylindrical samples produced in the gyratory compactor up to 150 mm dia. (see accessories). The same coring can also be done, as alternative, with the KorBit machine model standardly supplied complete with adjustable clamp.

The **Multi Core-Drill** can be used as part of your **Superpave performance based testing** program.



CORING MACHINE MULTI CORE-DRILL**SPECIFICATION**

- **Motor speeds:** 540, 1300, 1800 rpm (for 50 Hz use) and 560, 1300, 1850 rpm (for 60 Hz use)
- **Cylindrical sample size:** up to 160 mm dia., max 400 mm high
- **Prismatic samples size:** up to 450 x 180 x 150 mm
- **Coring diameter:** from 38 to 150 mm (see accessories)
- **Dimesion (h x w x d):** 1400 x 600 x 800 mm
- **Weight:** 85 kg

STANDARDS

- AASHTO R83
- AASHTO PP99

FEATURES

- A powerful three speed motor, specifically designed for high performance coring, ensures efficient and high quality specimen preparation
- Guided rail provides a smooth and precise track for the drill to travel while cutting samples
- Transparent protection/splash covers conform to CE requirements for safety and ease of cleaning
- A unique sliding table and stainless sample tray provide easy sample alignment for precise cut positioning and catches debris for long life and easy cleaning. Included as standard.
- Transveral bidirectional movement for parallel coring
- Transveral coring
- Coring cylindrical asphalt samples

ACCESSORIES**77-PV75200/UP**

Upgrading with translation device for transversal movement of the drill (up to 80 mm translation) for parallel coring. Suitable for 38, 50 and 75 mmdiameter cores. Not compatible with 77-PV75210.

77-PV75210

Accessory for Multi-Core Drill coring machine suitable for cylindrical specimens from 50 mm to 150 mm diameter

77-PV75220

Accessory for transversal coring on 100 or 150 mm dia. samples, lenght up to 300 mm - suitable for coring machine model 76-PV75202 or 76-PV75204

77-PV75230

Spacer for vertical coring on samples thinner than120 mm

83-C0319

Coring bit for 38 mm dia x 350 mm long cores, with permanently attached head 1 1/4 W

83-C0320

Coring bit for 50 mm dia x 400 mm long cores, with permanently attached head 1 1/4 W.

83-C0321

Coring bit for 75 mm dia x 400 mm long cores, with permanently attached head 1 1/4 W.

83-C0322

Coring bit for 100 mm dia x 400 mm long cores, with permanently attached head 1 1/4 W.

83-C0323

Coring bit for 150 mm dia x 400 mm long cores, with permanently attached head 1 1/4 W.

ORDERING CODE**77-PV75202**

Multi-Core Drill, laboratory coring machine. 2200 W, 230V/50-60Hz/1ph

77-PV75204

Multi-Core Drill, laboratory coring machine. 2050 W, 110V/60Hz/1ph