



ADVANCED PAVEMENTS TESTING SYSTEMS

MULTISAW

Asphalt saw



MULTISAW

Multisaw is a universal sawing system for fast, accurate cutting of beams from prisms and for trimming cylinders. An easy-to-use spacer system sets the specimen position and allows beams or cores to be cut without the need for measurement. The saw blade advances and retracts to the home position by a user-friendly hand wheel.

The Multisaw includes the multislabs jig, complete with table and manual clamping device for slabs, water pump for cooling the blade. When equipped with the suitable accessory, it can also be used to cut cores at any desired length. It can be fitted with 650 mm dia. blade with a maximum cutting depth of 200 mm and prism length of 500 mm (extendable to 700 mm, on request).

main features

- > Designed to fulfil the relevant Standards' stringent requirements for precision, planarity and specimens perpendicularity.
- > High rigidity and stability.
- > Slab and prism of any shape and dimensions can be sawn without any additional accessories (see table for maximum dimensions).
- > Jig for round cores, from 38 to 200 mm dia., length up to 300 mm.
- > Unique clamping mechanism for cylindrical specimens minimizes specimen damage. The use of a sacrificial PVC tube produces a superior finish and minimizes edge chipping of asphalt samples.
- > Easy spacer system allows for precise preparation of beams or cores without the need for measurement i.e. 50 x 63 mm or 70 x 70 mm or other sizes.
- > Manual advance and retraction of saw blade to home position.
- > Motor mounted on twin chrome-plated steel rails with sealed bearings.
- > Also suitable for concrete and rock samples.

Accessories

77-PV47014

Manual core docking Jig for round cores, from 38 to 200mm diam. to cut samples with manual feeding, from 10 to 300mm length.

77-PV47020

Trapezoidal specimens jig to be used in Two Point Bending Test, according to EN 12697-24 and 26.

77-PV47025

Jig for Wheel Tracking cores according to AASHTO T324 and for Semi-Circular Bending Tests according to EN 12697-44 (except for the notch), and for Disk Shaped Compact Tension Sample according to ASTM D7313. Notch and holes not included. 77- PV47014 is also required.

77-PV47030

Jig for Texas Overlay Test according to TX-248-F. 77-PV47011 or PV47014 is required.

77-PV47000/1

Diamond blade 650 mm dia.

77-PV47000/2

Sacrificial PVC tube for 100 mm dia. cores. Additional double sample basket.

Ordering information

77-PV47005

MULTISAW, asphalt saw, complete with multi-slab jig. Blade not included. 400V/50Hz/3ph.

77-PV47006

As above but 220V/60Hz/3ph.

Specifications

Blade diameter	650 mm
Max cutting depth	200 mm
Cores*	100 or 150 mm
Prism length*	Max 500 mm
Accuracy	Length, perpendicularity and flatness +/-1% max. according to Standards
Blade speed	1400 – 1680 rpm (50/60 Hz)
Cooling	Water recirculation pump and tank (included)
Power supply	5 kW
Voltage	400 V, 50 Hz, 3 ph or 220 V, 60 Hz, 3 ph
Dimensions (L x W x H)	2,000 x 800 x 1,700 mm
Weight approx.	450 kg

*Models suitable for cores 38 to 200 mm dia. and prism up to 700 mm, available on request.

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