

HOT MIX ASPHALT COMPACTABILITY DETERMINATION

B031N

Marshall Automatic EN (impact) Compactor

STANDARDS: EN 12697-10 / EN 12697-30 comparable to: BS 598:107

This ruggedly constructed apparatus automatically compacts the bituminous sample and stops off the motor after the preset number of blows has been completed on the automatic digital display counter.

The trip mechanism is structured so that the sliding hammer falls at the same height at every blow.

The mould is held in position by a fast clamping device.

The compactor includes a vibrated concrete base where a laminate hardwood block is mounted.

Sliding mass weight: 4535 ± 15 g

Free fall height: 457 ± 5 mm

Blow frequency: 50 blows in 55/60 seconds

The machine is equipped with safety door, conforming to CE Safety Directive.

When opened it stops automatically and cannot operate.

All moving parts are quickly/easily accessible for maintenance.

The compactor is supplied complete, "except for the mould" that must be ordered separately.

Power supply: 230V 1ph 50Hz 300W

Dimensions: 500 x 500 x 1890 mm

Weight : 220 kg

ACCESSORIES:

B031-01

CABINET, lined with sound-proofing material for noise reduction within CE limits

Dimensions:

800 x 800 x 2000 mm approx.

Weight : 100 kg approx.

SPARE PART:

B033-11

Compaction Hammer complete

STANDARD COMPACTION MOULD, EN 12697-10 / EN 12697-30 Specifications.

Plated against corrosion.

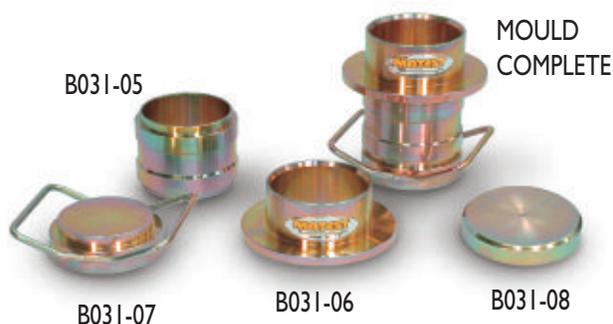
Comprising:

B031-05 Mould body. Weight 1,7 kg

B031-06 Filling collar. Weight 1,5 kg

B031-07 Base plate with handles. Weight 3,1 kg

B031-08 Distance piece (to be added to the B031N Compactor when using the ASTM Marshall mould mod. B029)



MOULD COMPLETE



B031N



B031N + B031-01

B031-11

Compressibility apparatus

This electronic device, fixed to the B031 Compactor, measures the specimen thickness during compaction.

The unit includes a 50 mm travel transducer having 0,1 mm resolution, and it is connected

to a digital readout having large LCD display. The transducer is magneto contactless type, which has no mechanical

vibration stress and therefore very longterm reliable and accurate.

The readout unit has PC interface for unloading, management and file of test data.



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Screen example

