

Strength

TM-204

Jolting Apparatus

Mortar prism compaction

IS 10078

Motorised jolting apparatus to IS 10078 for compacting 40 × 40 × 160 mm cement mortar prisms for flexural and compressive strength tests.

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Description

Compacts cement mortar in a three-gang 40 × 40 × 160 mm prism mould before flexural and compressive strength testing to IS 4031 (Part 8). The mould is clamped to a table that a motor-driven cam lifts and lets fall freely, 60 times a minute.

The table drops 15 ± 0.1 mm on a new machine (15 ± 0.4 mm is allowed in service). With the mould, hopper and clamps fitted it weighs 20 ± 1 kg, and the supporting arms weigh 10 ± 0.3 kg. A 1/3 hp motor drives the cam through a reduction gear.

Supplied ready for use with operating manual and test certificate. Contact us for configuration options, accessories and calibration services.

Technical specifications

Mould taken	3-gang, 40 × 40 × 160 mm prisms
Drop height	15 ± 0.1 mm (new), 15 ± 0.4 mm (in use)
Cam speed	60 ± 1 rpm
Table with mould, hopper and clamps	20 ± 1 kg
Supporting arms	10 ± 0.3 kg
Drive	1/3 hp motor with reduction gear