

Strength

TG-204

Aggregate Impact Test Apparatus

Impact value

IS 2386-4

Impact tester with a 13.5 to 14 kg hammer, hardened steel cup, measure and tamping rod for the aggregate impact value test to IS 2386 (Part 4).

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Description

The aggregate impact value shows how well an aggregate resists a sudden shock. For some aggregates this differs from how they behave under a slow compressive load.

The machine weighs 45 to 60 kg, of which the metal base is 22 to 30 kg. The base has a flat underside at least 300 mm across. Stand it on a level concrete or stone block or floor at least 450 mm thick, and either fix it down or seat it on a level metal plate set into the floor so it cannot rock.

The test cup is steel, 102 mm in diameter and 50 mm deep inside, with walls at least 6.3 mm thick and a case-hardened inner surface. It clamps firmly at the centre of the base and lifts off for emptying.

The hammer weighs 13.5 to 14.0 kg and is case-hardened. Its striking end is a cylinder 100 mm in diameter and 50 mm long, with a 2 mm chamfer on the lower edge. It slides freely in vertical guides centred over the cup and drops from 380 mm (±5 mm). The drop height can be adjusted within 5 mm.

Also supplied: a cylindrical measure, 75 mm in diameter and 50 mm deep inside, and a 10 mm tamping rod, 230 mm long and rounded at one end.

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

Technical specifications

Total weight	45–60 kg
Base	22–30 kg, >= 300 mm dia
Hammer	13.5–14.0 kg, 100 mm dia × 50 mm
Height of fall	380 ± 5 mm
Cup (internal)	102 mm dia × 50 mm deep, >= 6.3 mm wall
Measure (internal)	75 mm dia × 50 mm deep
Tamping rod	10 mm dia × 230 mm