AGGREGATE IMPACT VALUE (AIV)

Code : R220



- The Aggregate Impact Value (AIV) apparatus is used to assess the resistance of aggregates to sudden shock or impact, providing a relative measure of toughness essential for evaluating materials used in road construction and other civil engineering applications.
- The test involves compacting a specified mass of aggregate into a steel cup and subjecting it to a series of controlled impacts from a standard hammer. The degree of fragmentation is then assessed by sieving and calculating the percentage of fines produced.
- This apparatus is suitable for aggregates passing a 14.0 mm test sieve and retained on a 10.0 mm test sieve, ensuring consistency with standard testing procedures.
- Constructed from heavy-duty, corrosion-resistant steel, the apparatus ensures durability and reliability under repeated testing conditions.
- Equipped with a blow counter and hammer release mechanism, the apparatus facilitates precise control and repeatability of the impact application, enhancing the accuracy of test results.

- Sieve should be ordered separately.

STANDARDS

BS 812-112

TECHNICAL SPECIFICATIONS

- Hammer Weight: 13.5 to 14.0 kg
- Hammer Drop Height: 380 mm
- Impact Cup Dimensions: Ø 102 mm x 50 mm
- Cylindrical Measure: Ø 75 mm x 50 mm
- Tamping Rod: Ø 16 mm x 600 mm

EQUIPPED WITH

- Blow Counter
- Hammer Lock/Release Mechanism

SUPPLIED WITH

- Cylindrical measure (Ø 75 mm x 50 mm)
- Tamping Rod (Ø 16 x 600 mm)

ORDERING INFORMATION

Item Name	Item Code
AGGREGATE IMPACT VALUE (AIV)	R220X00BH