

AGGREGATE

Aggregate Impact Value (AIV) Test Machine



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.

Related Standards

BS 812:112

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Los Angeles Abrasion Machine

PAG-400



Methylene Blue Test Set

PAG-403



Sand Equivalent Test Set

PAG-404

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