AGGREGATE > ABRASION RESISTANCE

DORRY ABRASION TESTING MACHINE (BOHME)

Code : R199



- The Dorry Abrasion Tester – Böhme is used to evaluate the abrasion resistance of aggregates, concrete slabs, natural stones, and paving units under standardized conditions.
- The apparatus comprises a horizontally positioned steel disc with a 750 mm diameter, providing a defined test track for the abrasive material.
- During testing, a specimen is subjected to a vertical load of 294 N while the disc rotates at 30 revolutions per minute, simulating real-world wear scenarios.
- A specified quantity of standard abrasive material is distributed on the disc surface, and the specimen undergoes a set number of cycles to assess wear resistance.
- The machine features an automatic digital counter that ceases operation upon reaching the predetermined number of revolutions, ensuring precise and repeatable results.
- Test outcomes are determined by measuring the volume loss of the specimen, providing critical data for quality control and material performance assessment.
- Abrasive Powder should be ordered separately.

STANDARDS

EN 1338 • EN 1339 • EN 1340 • EN 13748 • EN 13892-3 • EN 14157

TECHNICAL SPECIFICATIONS

- Horizontal Abrasion Disc Diameter: 750 mm

  Rotation Speed: 30 rpm

  Applied Load: 294 N

  Power Supply: 220 - 240 V / 50 or 60 Hz

EQUIPPED WITH

- Automatic digital counter
- Specimen holder
- Beam-loading device

ORDERING INFORMATION

Item Name	Item Code
STANDARD ABRASIVE for R199 - 1 kg	R199P001H
BÖHME ABRASION TESTER [60 Hz]	R199X00EK
BÖHME ABRASION TESTER [50 Hz]	R199X00ET