

DORRY ABRASION TESTING MACHINE (BOHME) (R199)

Category: Aggregate



Product Code: R199

Category: AGGREGATE

Sub-Category: ABRASION RESISTANCE

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- 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 R199xxxxx – 1 kg	R199P001H
BÖHME ABRASION TESTER [60 Hz]	R199X00EK
BÖHME ABRASION TESTER [50 Hz]	R199X00ET

Keywords: Böhme abrasion tester, Dorry abrasion tester, aggregate abrasion resistance, EN 1338, EN 14157, DIN 52108, concrete slab testing, paving stone durability, material wear testing, ALFA Testing Equipment