



**Abrasion test**  
Concrete, Screed, Screed mortar, Terrazzo, Natural stone

EN 1338, EN 1339,  
EN 1340, EN 1341,  
EN 1342, EN 13318,  
EN 13812, EN 13748-1,  
EN 13748-2, EN 13892-3,  
DIN 52108

**Ⓐ Abrasion tester „Böhme“**

**Application:**

- A specimen will be submitted by load through grinding. The abrasion will be determined as volume loss or abrasion loss.

**Construction:**

- base with main switch and electrical counter
- grinding wheel made of cast iron
- holding device for specimen
- loading weight adjustable
- steel tube frame- protection device

**Technical dates:**

- diameter of abrasive wheel: approx. 760 mm
  - width of abrasive wheel: approx. 35 mm
  - rotations: 30 rpm.
  - hardness of abrasive wheel: 190...220 HB
  - dimensions: 900 x 870 x 1450 mm
  - weight approx.: 390 kg
  - electric connection: 3 x 400 V / 50 Hz
- Order-No. N1001



**Ⓑ Device to determine the loss of thickness**

consisting of:

- measuring table
- analogous dial gauge and ball-bearing probe with ring shaped surface
- display accuracy: 0.01 mm

Order-No. N1003



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**Natural stone**

**EN 1338, EN 1339,**  
**EN 1340, EN 1341,**  
**EN 1342, EN 13812,**  
**EN 13748-1, EN 13748-2**

**A Abrasion tester**

**Application:**

- A specimen will be submitted by load through grinding. The grinding groove will be measured.

**Construction:**

- table base with extensible drawer to collect the abrasive material
- abrasive wheel made of special steel
- direct drive through geared motor
- adjustable rapid clamping device for specimens
- adjustable counter weight for periodic „Re-calibration“
- electric control in housing

**Technical dates:**

- diameter of abrasive wheel: 200 mm
  - width of abrasive wheel: 70 mm
  - hardness of abrasive wheel: 225 +/- 20 HB
  - rotations: 75 rpm.
  - counter weight / press force: 14 kg
  - volume of storage hopper: 6.5 ltr.
  - abrasive material: 2.5 l/min
  - specimen thickness: 65 – 100 mm
  - specimen width: 100 mm
  - specimen height: 150 mm
  - dimensions: 720 x 550 x 1000 mm
  - weight approx.: 150 kg
  - electric connection: 3 x 400 V / 50 Hz
- Order-No. N1030

**Abrasive material**

- corund F80
  - packing unit 25 kg / 50 kg
- Order-No. N1004



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