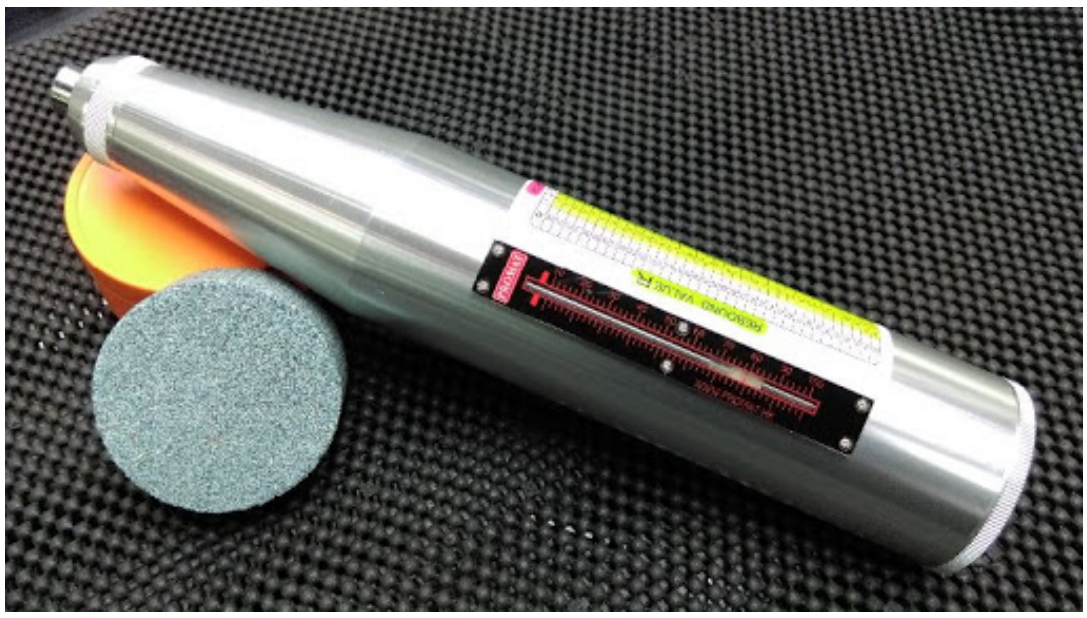
PROMAT

Concrete Test Hammer PC-024



PC-024 Concrete Test Hammer

Economical, practical and easy-to-use

PC-024 is a concrete test hammer, also called a concrete rebound hammer or Swiss hammer, used for non-destructive measurements of surface hardness and compression strength. Suitable for use with concrete, rock and building materials, this manufacturer-calibrated manual rebound hammer is economical, practical and easy to use.

The quality of concrete is judged mainly on the basis of compressive strength, since compressive strength is directly responsible for the structural behavior and durability of concrete constructions. The compressive strength is designated by a sequence of letters and numbers. For example, "B 25" is considered normal concrete with a compressive strength of 220 kg / cm^2 or 3100 psi. There are many intermediate values up to the highest strength class of "B 55." Thus, using this concrete hardness tester, you can quickly, easily and accurately classify concrete strength.

For psi concrete measurement, download the chart to convert rebound value to psi. Optional test anvil to verify accuracy listed under accessories.

Specifications

Test range	10 ... 60 MPa or 100 ... 600 kg/cm^2 or 1450 ... 8702 psi
Impact energy	2.207 J or N-m / 1.6278 ft-lb
Impact stroke	75 ± 0
Spring rigidity	785 J or N-m / 578.99 ft-lb
Average rebound value (for calibration)	80 ± 2
Radiusof spherical tip	25 ± 1 mm / 0.99 ± 0.04 in
Adhesion of the measurement tip	0.65 ... 0.15 N
Rebound value range	0 to 100 (without dimensions)
Conversion tables	On back of instrument and in user manual; to convert rebound values indicated to kg/cm^2 and MPa (with introduction of impact angle)
Weight	Approx. 1kg / 2.21 lbs
Dimensions	Approx. 66 x 280 mm / 2.6 x 11.02 in

- Employs mechanical rebound test method - no digital components
- Kg/cm^2, psi, and MPa conversion tables on back of instrument and in user manual
- Manufacturer calibrated - ISO calibration certificate available as an option (see accessories)
- Ideal for use in construction, structural engineering and material strength testing
- Includes two-year warranty against manufacturer defects
- Optional test anvil to verify accuracy listed under accessories

Specifications

Test range	10 ... 60 MPa or 100 ... 600 kg/cm² or 1450 ... 8702 psi
Impact energy	2.207 J or N-m / 1.6278 ft-lb
Impact stroke	75 ± 0.3 mm / 2.95 ± 0.012 in
Spring rigidity	785 J or N-m / 578.99 ft-lb
Average rebound value (for calibration)	80 ± 2
Radiusof spherical tip	25 ± 1 mm / 0.99 ± 0.04 in
Adhesion of the measurement tip	0.65 ... 0.15 N
Rebound value range	0 to 100 (without dimensions)
Conversion tables	On back of instrument and in user manual; to convert rebound values indicated to kg/cm² and MPa (with introduction of impact angle)
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