

Manual Rebound Hammer & Low Impact Manual Rebound Hammer



Test Well. Build Well.



For the quick and easy determination of the strength of concrete.

Product Information

W-M-250 Manual Test Hammer

The W-M-250 Manual Test Hammer is the traditional instrument used for the non-destructive testing of hardened concrete. This easy-to-use instrument provides a quick and simple test for obtaining an immediate indication of concrete strength in various parts of a structure. The minimum verifiable strength is 1400 PSI (10 MPa) to approximately 9000 PSI (62 MPa). All concrete test hammers measure the surface hardness of the material they are testing; this is then correlated to concrete compressive strength.

The manual concrete test hammer, aka rebound hammer, schmidt hammer, swiss hammer, sclerometer, is the most widely used non destructive instrument for compressive strength determination. However, it typically has the largest coefficient of variation; therefore its result should be verified with another non destructive test such as the V-Meter MK III.

W-M-255 Low Impact Manual Test Hammer

The W-M-255 Low Impact Manual Test Hammer is the instrument used for the non-destructive testing of hardened concrete for thin wall thicknesses. The unit is also used on rock cores. It's low impact energy does not damage brittle specimens. Again the minimum verifiable strength is 1400 PSI (10 MPa) to approximately 9000 PSI (62 MPa). All concrete test hammers measure the surface hardness of the material they are testing; this is then correlated to concrete compressive strength.

The Low Impact Test Hammer has a number of specialized applications. It is typically used for thin concrete specimens (between 50mm (2") and 100mm (4") thick) such as sidewalks, bridgedecks and some driveways. The unit can be used on plaster and mortar as well to verify consistency. The Test Hammer is also used on brittle rock cores where a larger impact will damage the specimen. Finally, it is also suitable for paper and film rolls where the larger impact energy of a standard hammer will damage the surface of the material being tested. Paper and Film testing are a significant application for the Low Impact Manual Test hammer.

Features & Benefits

Easy to use manual calculation of the mean rebound number.

All James Test Hammers conform to:

ASTM C-805	USA
BS-1881-202	Great Britain
ISO/DIS 8045	International
EN 12 504-2	Europe
ENV 206	Europe
NFP 18-417	France
B 15-225	Belgium
JGJ/T 23-2001	China
JJG 817-1993	China

Strength

Locators

Ultrasonics

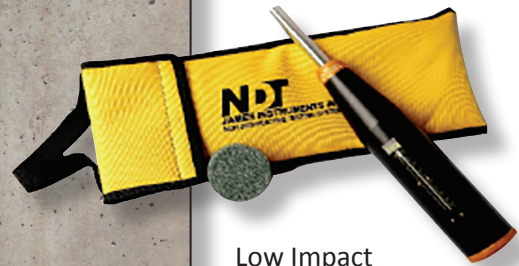
Corrosion

Moisture

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Low Impact
Manual Rebound Hammer

Specifications

Manual Test Hammers W-M-250 & W-M-255

Weight	2 lbs. (09 kg)
Size	10.5" (267mm) with plunger retracted
Shipping Weight	6 lbs. (2.7kg)
Carrying Case Dimensions	15.5 x 11.5" x 2.5" (394 x 292 x 64mm)
Impact Energy W-M-250	2.2 Nm
Impact Energy W-M-255	0.735 Nm

Test Anvil for Calibrating Test Hammers

It is recommended that calibration of the rebound hammers be checked regularly usually after about 2000 strokes. The James Calibration Anvil (W-C-7312) has been designed for just that purpose.



Sales Numbers

- W-M-250** Manual Rebound Hammer
- W-M-255** Low Impact Manual Rebound Hammer
- W-C-7312** James Calibration Anvil

www.NDTjames.com

email: info@NDTjames.com

800-426-6500 • 773-463-6565

3727 N. Kedzie Ave., Chicago, IL 60618-4545, USA

www.NDTjames.eu

email: europe@NDTjames.eu

+31 (0)548 659032

Windmolen 22, 7609 NN Almelo, The Netherlands

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