Calibration Anvil

LT-C0091 | Reference anvil for concrete rebound hammers

Hardened steel • Rebound checks • Verification before and after testing



Ø15 × 23 cm

DIMENSIONS

16 kg

WEIGHT

EN 12504-2 • ASTM C805 / C805M • Instrument checks on a reference surface

Photographs and Components

Upper guide, inspection opening, steel body and carrying handle

LT-C0091 is a reference anvil used to check the rebound performance of concrete test hammers. Readings taken on the hardened steel surface are compared with the reference range specified by the hammer manufacturer.



UPPER GUIDE

Upper opening for positioning the hammer. Keep the impact direction perpendicular to the reference surface.

CARRYING HANDLE

The side handle assists positioning within the work area. Allow for the 16 kg weight when moving the unit.

STEEL BODY

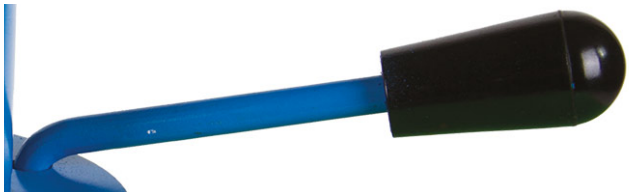
The heavy, rigid body supports a stable check arrangement. Position the anvil on a firm surface.

SIDE OPENING

The side opening exposes the interior region. Check surface condition and cleanliness before use.



Upper guide and side inspection opening



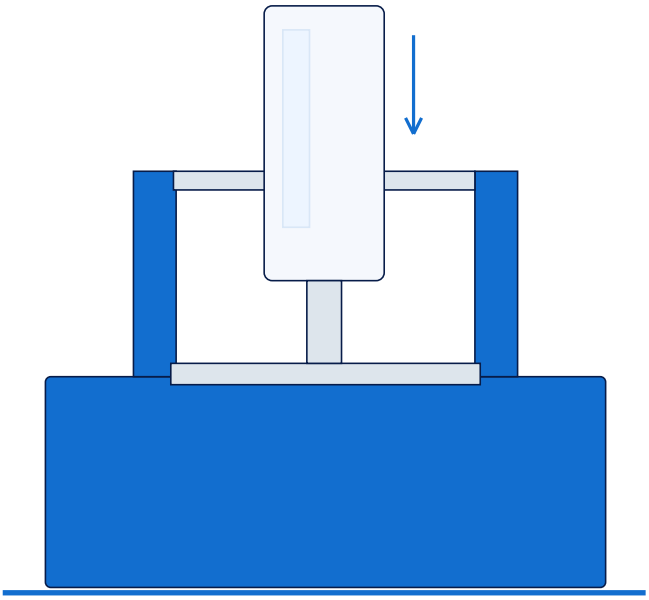
Side carrying handle and grip

LT-C0091

Rebound Verification Principle

Position the anvil • Align the hammer • Record readings • Compare with reference

HAMMER AND REFERENCE ANVIL • SCHEMATIC



HARDENED STEEL REFERENCE IMPACT SURFACE

REBOUND VALUE: READ ON THE HAMMER

SCHEMATIC VIEW • NOT TO SCALE

Position and Inspect

Place the anvil on a firm, level, vibration-free surface. Check that the impact surface is clean.

Apply the Impact

Hold the hammer perpendicular to the reference surface. Apply checks to the manufacturer's instructions.

Record and Compare

Record the readings. Compare results with the reference range for the particular hammer.

An anvil check assesses the operating condition of the rebound hammer. A rebound reading on the anvil is not a concrete compressive strength result. Evaluate out-of-range readings according to the hammer maintenance and service procedure.

Reference Range and Records

The hammer model and manufacturer's instructions determine the acceptance range. Select the number of impacts and evaluation procedure from the same instructions.

Record the hammer ID, check date, anvil ID and readings. Keep these checks with the instrument history to support comparison between measurement series.

Before and After Testing

Complete an anvil check before the concrete measurement series. Compare the readings taken afterwards with the initial record.

Out-of-range readings or significant changes may indicate a need for cleaning and mechanical inspection. Anvil verification does not replace traceable calibration or service adjustment when required.

Specifications and Verification Setup

LT-C0091 • Physical features and rebound verification details

Feature	Value / Description
Product Code	LT-C0091
Product Name	Calibration Anvil
Dimensions	Ø15 × 23 cm
Weight	16 kg
Reference Surface	Hardened steel
Application	Concrete rebound hammer performance check
Check Reading	Hammer rebound value
Comparison Basis	Hammer manufacturer’s reference range
Impact Position	Perpendicular to reference surface
Check Timing	Before / after a concrete measurement series
Concrete Test References	EN 12504-2; ASTM C805 / C805M
Historical Reference	ASTM D5873 — rock rebound; withdrawn 2023

Use the Reference Range for the Hammer

Assess readings against the range specified for the hammer being checked. Distinguish anvil verification from a concrete strength result or an independent calibration certificate.

Rebound Hammer Verification Workflow

01
Position
Place the anvil on a stable surface; inspect it.

02
Apply Impact
Align the hammer and follow its instructions.

03
Record Readings
Record hammer identification and rebound values.

04
Compare
Assess operating condition against the stated range.

Product Page | liyatest.com.tr/en/urun/calibration-anvil/