

SPRING-OPERATED IMPACT TEST APPARATUS

("IMPACT HAMMERS")



Single energy and adjustable energy spring hammers for impact tests to demonstrate the level of robustness according to **IEC, EN, UL, VDE, CSA** and further national standards worldwide, detailed description is shown in **IEC 60068-2-75 / 1997-08**,

Release mechanism with constructional improvements, however, release pressure standardized 10₋₃ N. Other pressures are available.

Includes ISO 17025 Accredited Calibration Certificate, calibrated IN SCOPE for "Impact Hammers"...*ED&D Exclusive!*

STANDARD OUTFIT:

- 1 Body, including release mechanism and striking element guide, mass 1250g, outside diameter 50 mm.
 - 1 Striking element, with cocking knob and with hammerhead, face of polyamide, spherical segment shape with a radius of 10 mm, mass 250g, length approx. 315 mm.
 - 1 Release cone, mass 60g.
 - 1 Helical compression spring, mass approx. 9 g.
- Total length cocked approx. 350 mm, total mass approx. 1570g.

- High-precision manufactured in the USA.
- ED&D is the *only* manufacturer of this device in North America. ED&D is the world's only manufacturer of this device to have ISO 17025 Accreditation **in Scope**.
- In addition ED&D is the world's *only* manufacturer of this device to have ISO 17025 Accreditation **in Scope** of the calibration device for this device.



ED&D, Inc.

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PRODUCT SAFETY SOLUTIONS™

Units are supplied ready for operation, including **ISO/IEC 17025 Accredited** (and under Scope) Calibration certificate - - with calibration of impact energy by means of a calibration device according to **IEC 60068-2-75 / 1997-08 Annex B** and concerning release pressure. [Measurement data and uncertainty data is available]. Calibration device also listed under our Scope!

ED&D is the world's *only* manufacturer of this device that is ISO accredited. Additionally, we are one of the only firms in the world that are utilizing the required calibration device, in the proper manner (secured to solid metal table, which is secured to the solid concrete floor = immovable). See photo



SINGLE IMPACT HAMMER MODELS

Impact Energy	Tolerance	Model No.
0.20 J	±0.02J	5110-0.2J
0.35J	±0.03J	5110-0.35J
0.50J	±0.04J	5110-0.5J
0.70J	±0.05J	5110-0.7J
1.0J	±0.05J	5110-1.0J
2.0J	±0.10J	5110-2.0J



2J HAMMER MODEL 5110-2.0J

The 2 joule hammers are different than the other models. Built per the requirements of IEC 60068-2-75 for 2 J energy value. The impact radius is 25mm, the impact head is made of steel, mass is 0.5kg, other dimensions per the requirement.

Rockwell hardness per ISO 1052

ALL IMPACT HAMMER UNITS COME IN A PADDED CASE

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UNIVERSAL / ADJUSTABLE SPRING HAMMER



As described above, but with all five impact energies 0.20J, 0.35J, 0.50J, 0.70J, 1.0J to be selected by means of a disk with knurled edge. Tolerances as scheduled above, supplied with ISO 17025 Accredited calibration certificate concerning the five impact energies and the release pressure. Padded case also included.

MODEL F22.50

ED&D spring operated impact test apparatuses with other impact energies, e.g. 2J (F22.20), other masses of the striking element, e.g. 500g (F22.20), other release forces, e.g. 20 N, and other hammerheads, e.g. made of steel with $r = 25 \text{ mm}$ (F 22.20):

on special request

Hammers are also provided with a convenient custom padded carrying case.

UNITS IN STOCK READY TO SHIP!

ED&D is ISO/IEC 17025 Accredited with Impact Hammer calibrations UNDER SCOPE
 We are accredited by an ILAC Member - - which means results are internationally accepted



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