

|E|D|&|D|

Simulates mechanical impact to the
surface of enclosures of electrical
appliances and components

SPRING OPERATED IMPACT HAMMER



SATISFIES IEC, UL, CSA, VDE, & OTHER INTERNATIONAL SAFETY STANDARDS

- Complete Impact Test Apparatus (also known as the Impact Hammer).
- For conducting impact testing in accordance with IEC, UL, CSA and other international standards including : IEC601, UL2601, CSA601, IEC1010, UL3101, UL3111, CSA1010, and IEC335.
- Built and calibrated in strict accordance with IEC817.
- Models available with fixed force settings of 0.20, 0.35, 0.50, 0.70, and 1.0 J (IEC601, IEC1010, and IEC335 require the 0.50 J model). Adjustable setting model also available.

SPRING OPERATED IMPACT TEST APPARATUS (IMPACT TEST HAMMERS)



(Single Impact and Adjustable Models shown - - case not pictured)

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.

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.

Supplied ready for operation, including ED&D certificate concerning 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 available].

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

UNIVERSAL SPRING HAMMER

As described above, but with the 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 ED&D 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 mm (F22.20):

on special request

Hammers are also provided with a convenient custom padded carrying case. **UNITS IN STOCK.**

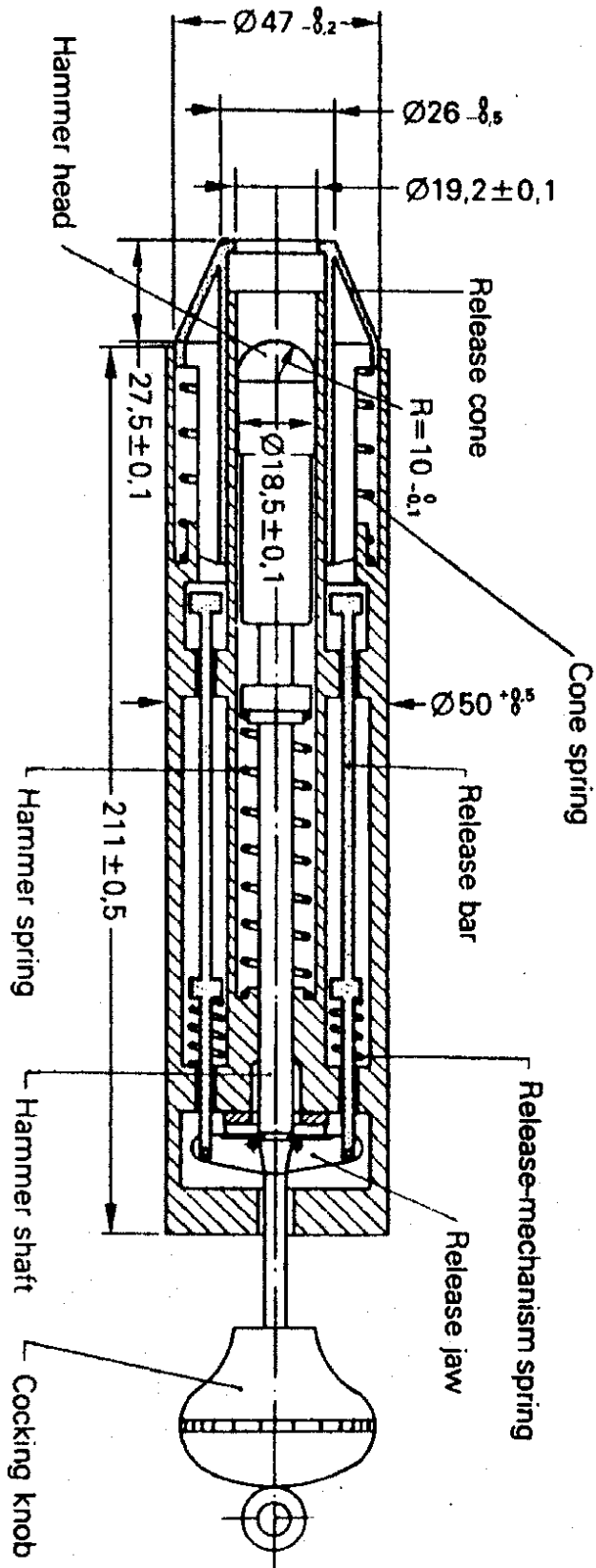


Figure E.1 – Spring hammer test apparatus