

## Mechanical strength

### PTL Spring-operated Impact-test Apparatuses

**Universal Impact-test Hammer F 22.50** with 0.20 J, 0.35 J, 0.50 J, 0.70 J and 1.00 J, five selectable impact energies, for impact tests to demonstrate the level of robustness

according **IEC, EN, VDE** and further national standards, detailed description shown in **IEC** to **60068-2-75:1997-08**, release mechanism with constructional improvements, however, release force standardized 10 N.

#### Standard Outfit:

- 1 body, including release mechanism and striking element guide, mass 1250 g, outside diameter 50 mm,
- 1 striking element, with cocking knob and with hammer head, face of polyamide, spherical segment shape with a radius of 10 mm, mass 250 g, length approx. 315 mm,
- 1 release cone, mass 60 g,
- 1 helical compression spring, mass 9 g,
- 1 disk with knurled edge to select the impact energy,



total length cocked approx. 350 mm, total mass approx. 1 570 g,

supplied in case of plastics, ready for operation, including PTL work certificate concerning calibration of the five impact energies by means of a calibration device according to IEC **60068-2-75:1997-08** Annex B and concerning release force,

#### Universal Impact-test Hammer

Article No.:

**F 22.50**

#### Alternatively:

#### Impact-test Hammer F 22.1X as Special Type,

as described above, however with only one fixed impact energy.

Impact energy:	Tolerance:	Article No.:
0,14 J	± 0,014 J	<b>F 22.10</b>
0,20 J	± 0,02 J	<b>F 22.11</b>
0,35 J	± 0,035 J	<b>F 22.15</b>
0,50 J	± 0,05 J	<b>F 22.16</b>
0,70 J	± 0,07 J	<b>F 22.17</b>



1,00 J

$\pm 0,1$  J

**F 22.18**

**Special Type:**

F 22.20, as described above, however as Special Type with one fixed impact energy 2.0 J, tolerance of impact energy  $\pm 0.1$  J, striking element with spherical segment shaped striking piece of iron, radius 25 mm, total mass of striking element 500 g, total mass of apparatus 3 630 g,



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