

PTL - Pendulum Impact-test Apparatus 28

to test the mechanical strength with impact energies of 0,14 J up to 1,0 J

according to **IEC 60068-2-75** :1997-08 § 4.2 Tab. 1 and Tab. 2, similar Annex D,
 Striking element Ø 18,5 mm, equivalent mass 0,25 kg, according to Tab. 1
 as well as **IEC 60068-2-75** :2014-09 Ed. 2.0,
 Striking element Ø 20 mm, equivalent mass 0,20 kg, as alternatives for historical
 consistency purposes



Standard outfit:

- 1 tubular pendulum arm of steel, external diameter 9 mm, wall thickness 0,5 mm, pendulum length 1 000 mm ± 1 mm effective,
- 1 striking element Ø 18,5 mm, equivalent mass 0,25 kg, spherical segment shaped polyamide insert R 10 mm, exchangeable with
- 1 striking element Ø 20 mm, equivalent mass 0,2 kg, half spherical shaped polyamide insert R 10 mm,
- 1 base frame, height 1 270 mm, width 200 mm, with bores for screws for mounting on a wall,
- 1 extension arm, vertically adjustable, with horizontally adjustable pendulum pivot,
- 1 extension arm, vertically adjustable, with release mechanism for the pendulum, scale for height of fall horizontally adjustable,
- 1 Mounting Fixture according to **IEC 60068-2-75** :1997-08 Annex D Fig. D.3, with steel block 175 mm x 210 mm x 35 mm, mass 10 kg, turn able around its vertical axis, sheet of plywood 175 mm x 175 mm x 8 mm.

Design:

Base frame papyrus-white structure varnished, steel parts black-oxide-finished or made of stainless steel.

Article No. F 40.28

	Striking element Ø 18,5 / 0,25 kg						Striking element Ø 20 / 0,2 kg				
Energy [J]	0,14	0,2	0,35	0,5	0,7	1	0,15	0,2	0,3	0,4	0,5
Height of fall	56	80	140	200	280	400	75	100	150	200	250

Accessory:

Mounting Block

similar to **IEC 60068-2-75** :1997-08 Annex D Fig. D.4,

for testing flush-type specimens, made of beech 125 mm x 125 mm x 50 mm, with through bore diameter 65 mm, on plywood sheet 175 mm x 175 mm x 8 mm.



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Page **F40/1**

Firmensitz / DOMICILE:

Industriestrasse 15
 DE - 95346 Stadtsteinach

Geschäftsführer / PRESIDENT:

Jürgen Grabenhorst VDE / VDI
 REG.: Amtsgericht Bayreuth, HRB 1096

USt.-Id. Nr. / VAT No.:

DE 811392275

Telefon / TELEPHONE:

+49 (0 92 25) 9 86-0

Telefax / TELEFAX:

+49 (0 92 25) 9 86-40

email: info@ptl-test.de

http://www.ptl-test.de