PEEL FIXTURES

ID Card 90 Degree Peel Fixture ISO IEC 10373

Roller-guided 90° peel fixture for ID card adhesion to ISO/IEC 10373-1



OVERVIEW

A 90° peel fixture for testing the adhesive strength of layers on identification cards to ISO/IEC 10373-1 and ISO/IEC 7810. The card is guided between rollers spaced 1 mm apart, keeping the peel angle at 90° while the peeled layer is pulled by an upper grip. Versions with 6, 2 or 4 rollers suit standard and thicker specimens.

KEY FEATURES

- 90° peel geometry to ISO/IEC 10373-1
- Rollers Ø 10 mm with 1 mm gap for standard cards
- Articulated joints on 6-roller version for angle alignment
- 4-roller version with 14 mm gap for thicker specimens
- Stainless steel rollers on standard versions
- Rated for a maximum load of 2 kN

TECHNICAL SPECIFICATIONS

Max. load	2 kN
Test type	90° peel
Rollers	6 or 2 x Ø 10 mm (1 mm gap) or 4 x Ø 6 mm (14 mm gap)
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others on request
Body material	Steel, nickel-plated or anodized aluminum, by version
Temperature range	0 to +70 °C; other ranges on request
Weight	2.7 kg, 1.09 kg or 0.94 kg, by version
Scope of supply	1 fixture; upper grip ordered separately

AVAILABLE VERSIONS

6 rollers Ø 10 mm	1 mm gap, articulated joints, stainless rollers, 2.7 kg
2 rollers Ø 10 mm	1 mm gap, stainless rollers, 1.09 kg
4 rollers Ø 6 mm	14 mm gap for thicker specimens, aluminum body, 0.94 kg

APPLICATIONS

- ID and access cards
- Payment and smart cards
- Laminated card overlays
- Electroplated plastic parts

STANDARDS ISO/IEC 10373-1, ISO/IEC 7810

Ordering & customization: Specify roller configuration, coupling and the upper grip to be used for the peeled layer.

Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-PL-070

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DIMENSIONAL DRAWINGS

FIG. 1

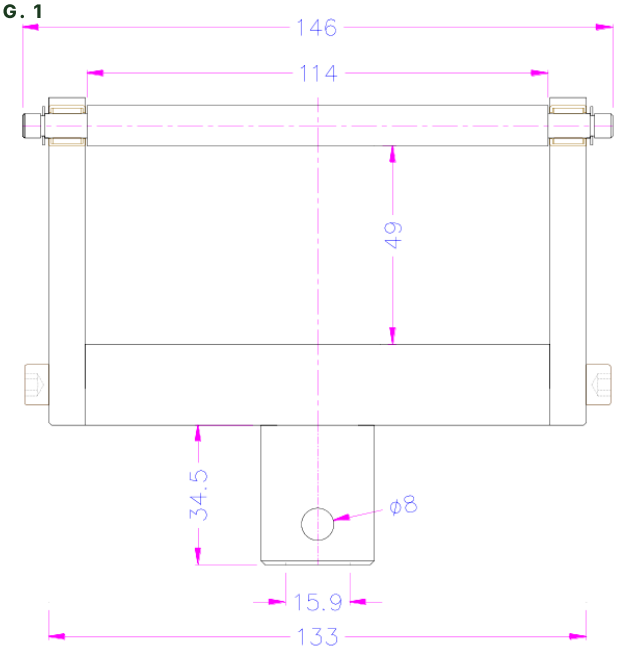


FIG. 2

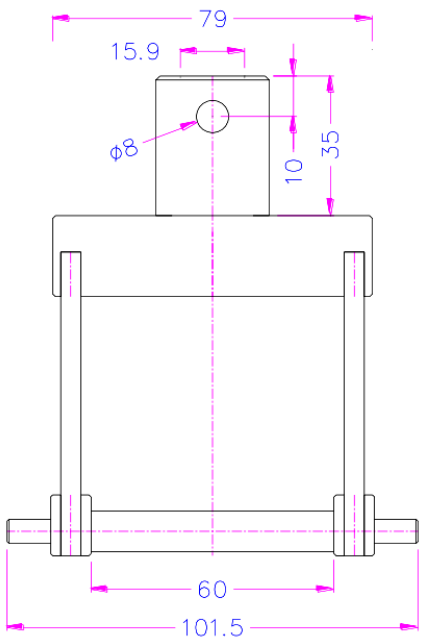


FIG. 3

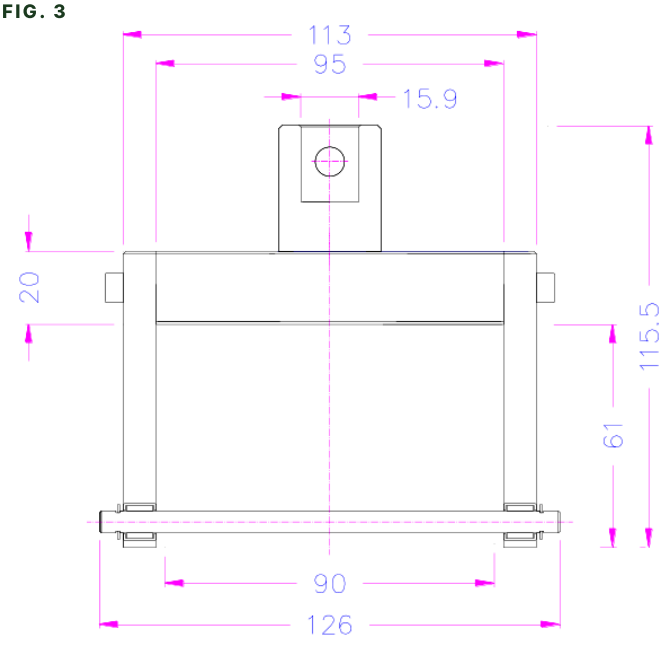
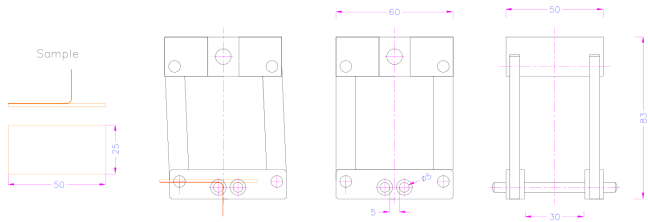


FIG. 4

Customized solutions:

Electroplated coatings; testing of electroplated plastic articles; determination of peel strength.



Dimensions in mm. Drawings are representative of the product family and may show optional versions or accessories; dimensions are for reference only and may change without notice. Certified dimensional drawings and 3D models are available on request.