PEEL FIXTURES

Floating Roller Peel Fixture

10 kN floating roller peel fixture for adhesive bonds to ASTM D3167 and EN 1464



OVERVIEW

A fixture for the floating roller peel test of adhesive bonds between a flexible and a rigid adherend. The rigid adherend runs between a set of rollers that float with the specimen, while the flexible adherend is pulled by a lower grip and peeled over the rollers at a controlled radius. It is rated for 10 kN and available in ASTM and EN/ISO geometries.

KEY FEATURES

- Floating roller geometry for consistent peel radius
- Rated for a maximum load of 10 kN
- ASTM version with 25.4 mm (1 in) rollers
- EN/ISO version with Ø 25 mm, 30 mm wide rollers
- Nickel-plated steel body for corrosion resistance
- Lightweight fixture of approx. 0.6–0.7 kg

TECHNICAL SPECIFICATIONS

Max. load	10 kN
Test type	Floating roller peel
Roller size	Ø 25.4 × 25.4 mm (1 × 1 in) or Ø 25 x 30 mm
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others via adapter
Body material	Steel, nickel-plated
Temperature range	0 to +70 °C; other ranges on request
Weight	0.68 kg (ASTM) or 0.60 kg (EN/ISO)
Scope of supply	1 fixture; lower grip ordered separately

AVAILABLE VERSIONS

ASTM D3167 version	Rollers Ø 25.4 mm, 25.4 mm wide
DIN/EN/ISO version	Rollers Ø 25 mm, 30 mm wide; DIN 53289, EN 1464, EN 2243-2, ISO 4578

APPLICATIONS

- Structural adhesives
- Aerospace bonded joints
- Metal-to-metal bonds
- Adhesive qualification

STANDARDS ASTM D3167, DIN 53289, EN 1464, ISO 4578, EN 2243-2

Ordering & customization: Specify the standard (ASTM or EN/ISO roller geometry), coupling and lower grip for the flexible adherend.

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-080

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DIMENSIONAL DRAWINGS

FIG. 1

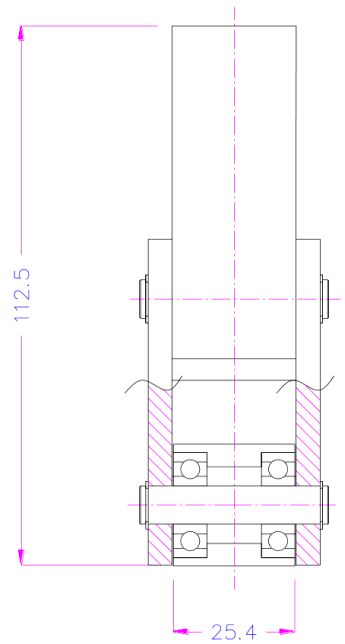


FIG. 2

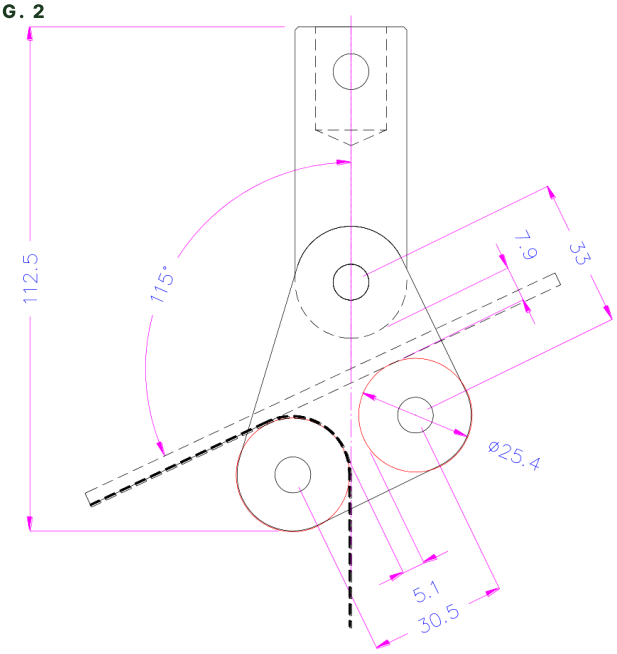


FIG. 3

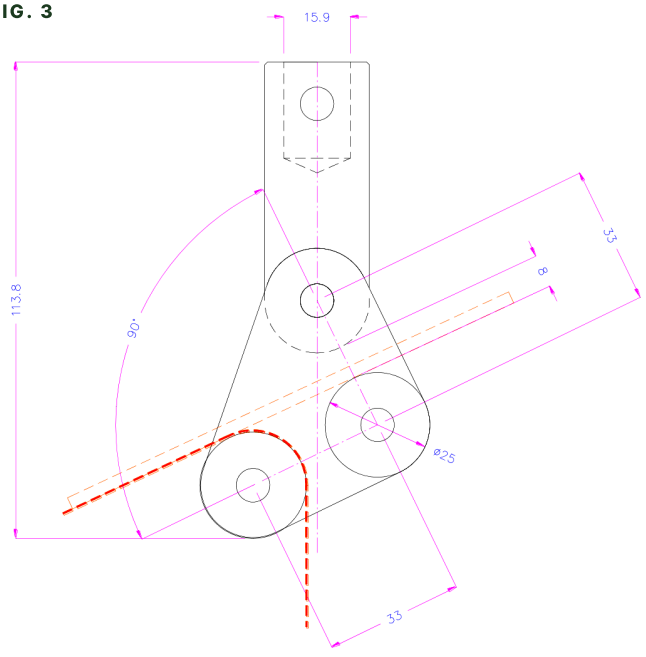
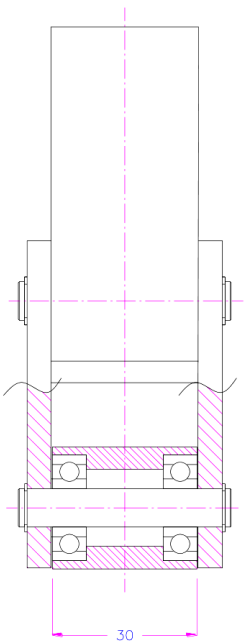


FIG. 4



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.