PEEL FIXTURES

# 90 Degree Adhesive Peel Grip DIN 40802

Six-roller 90° peel fixture for flexible films bonded to rigid substrates



## OVERVIEW

A 90° peel fixture for measuring the adhesion strength of a flexible film to a rigid substrate, similar to DIN 40802-1, DIN 53278 and DIN 53494. Six ball-bearing stainless steel rollers guide the substrate plate so it moves freely while the film is peeled at 90° by a separate grip. Roller spacing is adjustable for substrates up to 7 mm thick.

## KEY FEATURES

- Six stainless steel rollers on ball bearings
- Adjustable roller gap 0–7 mm for rigid substrate
- Fixed 0–2 mm gap for the flexible film
- Rated for a maximum load of 2 kN
- Optional stainless steel specimen plate, 200 × 20 × 2 mm
- Nickel-plated steel body for corrosion resistance

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Max. load** | 2 kN |
| **Test type** | 90° peel |
| **Rollers** | 6 x Ø 12 mm x 25.4 mm, stainless, ball bearings |
| **Substrate gap** | 0–7 mm, adjustable |
| **Film gap** | 0–2 mm, fixed |
| **Coupling** | Female clevis, Ø 15.9 mm (5/8 in) pin; others on request |
| **Body material** | Steel, nickel-plated |
| **Temperature range** | 0 to +70 °C; other ranges on request |
| **Weight** | 1.31 kg (fixture); 0.05 kg (specimen plate) |

## AVAILABLE VERSIONS

| | |
|---|---|
| **Fixture** | Without specimen plate |
| **Specimen plate** | Stainless steel, 200 × 20 × 2 mm |

## APPLICATIONS

- Printed circuit laminates
- Metallized and electroplated plastics
- Film-to-metal bonds
- Flexible circuits

**STANDARDS** DIN 40802-1, DIN 53278, DIN 53494

**Ordering & customization:** Specify coupling, whether specimen plates are needed, and the grip used to clamp the flexible film.

**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-120

# 90 Degree Adhesive Peel Grip DIN 40802

DIMENSIONAL DRAWINGS

FIG. 1

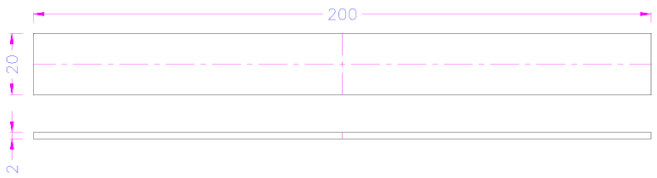



FIG. 2

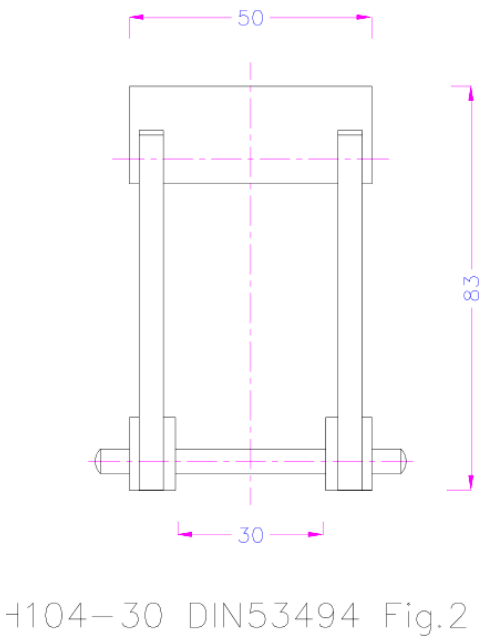



FIG. 3

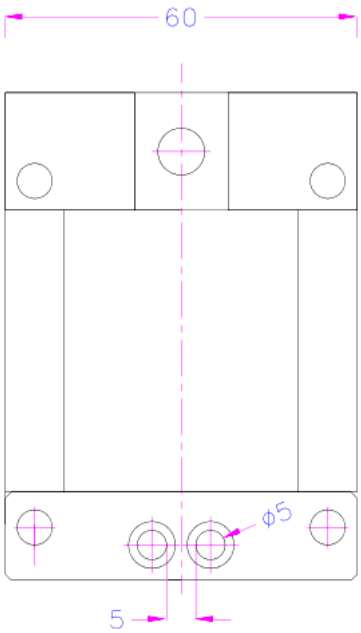
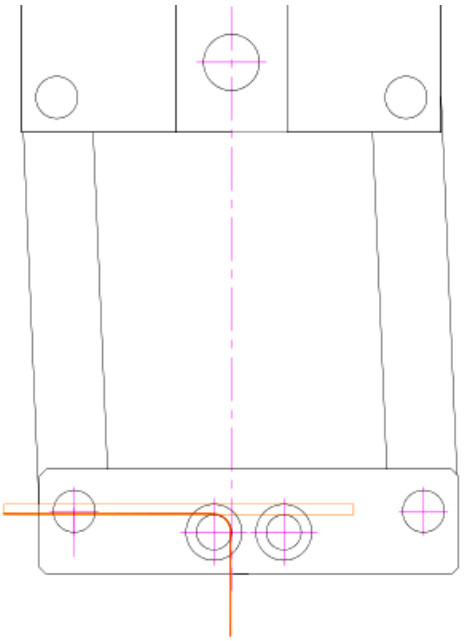



FIG. 4



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.