PEEL FIXTURES

# Climbing Drum Peel Fixture

Climbing drum peel fixture for sandwich panels and bonded laminates up to 10 kN



## OVERVIEW

A climbing drum fixture for measuring the peel resistance of adhesive bonds between a flexible facing and a rigid core or adherend. The flexible facing is clamped to a flanged drum which, pulled by loading straps, rolls up the specimen and peels the facing away. Versions with 102 mm and 100 mm drums meet ASTM D1781 and EN 2243-3 / DIN 53295.

## KEY FEATURES

- Flanged drum with flexible loading straps
- Rated for a maximum load of 10 kN
- 102 mm (4 in) drum to ASTM D1781
- 100 mm drum to EN 2243-3 and DIN 53295
- Lightweight aluminum drum with steel straps and fittings
- Optional adjustable table to start the test

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Max. load** | 10 kN |
| **Test type** | Climbing drum peel |
| **Drum diameter** | 102 mm (4 in) or 100 mm |
| **Specimen size** | 25 or 76 mm wide x min. 254–305 mm (ASTM); 75 × 300 mm (EN) |
| **Min. machine travel** | 1200 mm |
| **Coupling** | Female clevis Ø 15.9 mm (5/8 in) or Ø 20 mm pin; others on request |
| **Material** | Aluminum drum, steel components |
| **Temperature range** | 0 to +70 °C; other ranges on request |
| **Weight** | 3.4 kg drum; 4.35 kg total with adapter |

## AVAILABLE VERSIONS

| | |
|---|---|
| **ASTM D1781 version** | 102 mm drum; laminates 25 mm wide, sandwich 76 mm wide |
| **EN 2243-3 / DIN 53295 version** | 100 mm drum; specimen 75 × 300 mm |
| **Adjustable table** | Accessory to help start the test |
| **Quick-release version** | Drum clamp with quick-release lever |

## APPLICATIONS

- Honeycomb sandwich panels
- Aerospace bonded structures
- Metal-faced laminates
- Adhesive qualification

**STANDARDS** ASTM D1781, EN 2243-3, DIN 53295

**Ordering & customization:** Specify standard (drum diameter), coupling and the upper grip for the specimen; confirm machine travel of at least 1200 mm.

**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-090

# Climbing Drum Peel Fixture

DIMENSIONAL DRAWINGS

FIG. 1

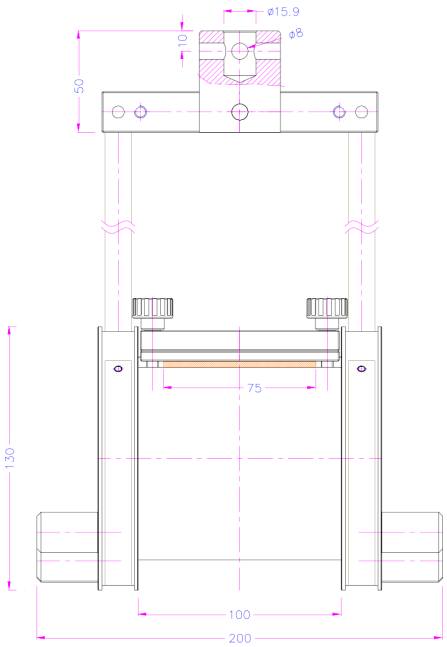



FIG. 2

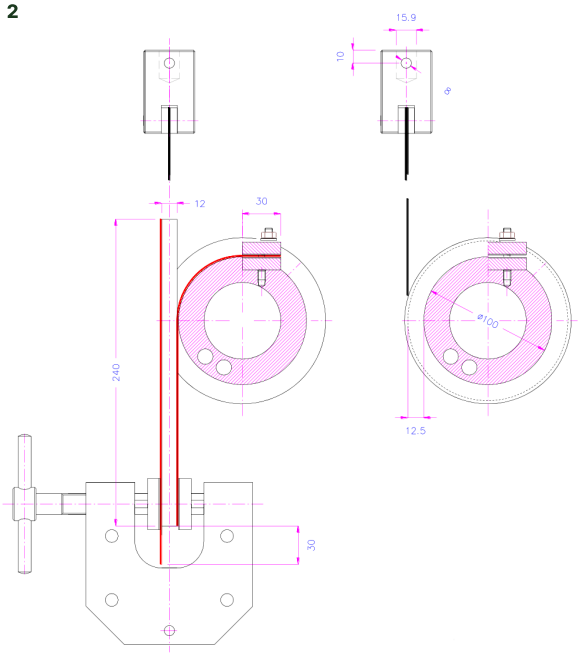



FIG. 3

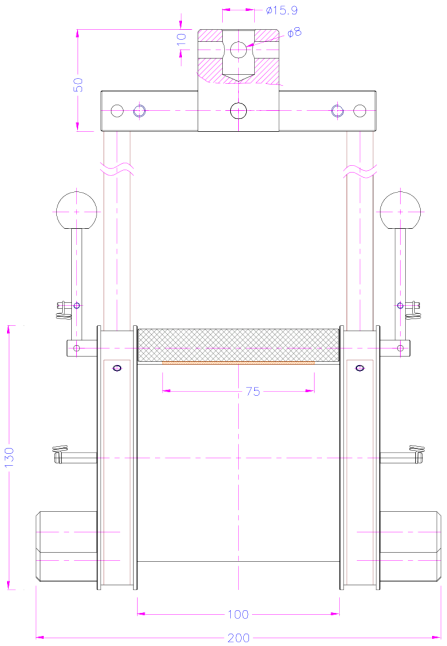
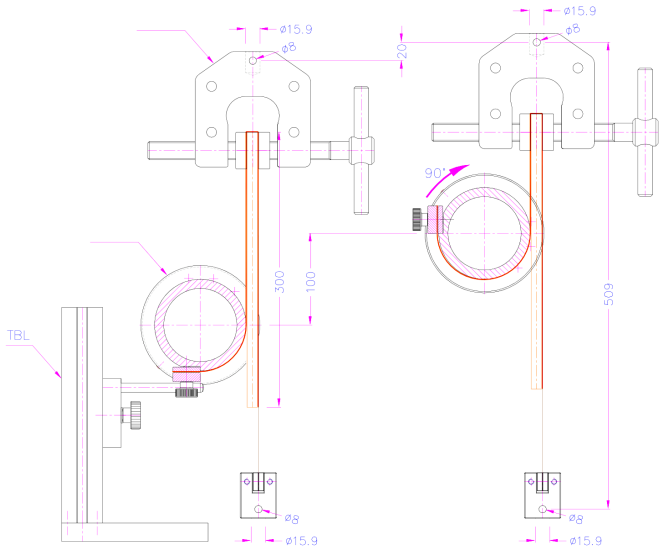



FIG. 4




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.