STANDARDS TEST FIXTURE

# FRP Angle Break Strength Fixture

Angle break fixture for fiber-reinforced polymer strips used in building restoration



## OVERVIEW

Angle break strength test fixture for fiber-reinforced polymer (FRP) strips used in structural strengthening and building restoration. The strip is bent around an interchangeable 30 mm upper roller, and its ends are held in lower wedge grips on universal joint adapters that set the required test angle. The testing machine pulls the strip over the roller to measure strength at the bend.

## KEY FEATURES

- Interchangeable 30 mm upper roller for the bend radius
- Lower wedge grips on universal joints adjust to the test angle
- Pyramid (serrated) jaws, 30 mm wide, opening 0–10 mm
- Rated to 20 kN tensile load
- Durable nickel-plated steel construction for corrosion resistance
- Female clevis coupling Ø 20 mm

## TECHNICAL SPECIFICATIONS

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|---|---|
| **Max. load** | 20 kN |
| **Test type** | Angle break strength, tension over roller |
| **Upper roller** | 30 mm, interchangeable |
| **Jaws** | Pyramid (serrated), 30 mm wide |
| **Jaw opening** | 0–10 mm |
| **Material** | Steel, nickel-plated |
| **Coupling** | Female clevis, Ø 20 mm pin |
| **Temperature range** | Ambient |

## APPLICATIONS

- FRP strengthening strips
- CFRP and GFRP laminates
- Building restoration materials
- Civil engineering laboratories

**Ordering & customization:** Specify FRP strip width and thickness, roller size and machine coupling.

**Drawings available on request**
Contact us for dimensional drawings or 3D models of this product.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-ST-850