SHEAR FIXTURES

Symmetric Shear Fixture EN 12090

Symmetric shear fixture for sandwich core and insulation materials



OVERVIEW

A symmetric-design shear fixture for determining the shear behavior of sandwich core and thermal insulation materials to EN 12090, Fig. 2b. Two specimens are bonded between carrier plates and loaded symmetrically, avoiding bending moments in the test. The anodized aluminum construction keeps the fixture light, with a 10 kN capacity for carrier plates up to 300 mm high.

KEY FEATURES

- Conforms to EN 12090, Fig. 2b symmetric arrangement
- Symmetric loading eliminates bending moments in the specimen
- Accepts carrier plates up to 300 mm high
- Lightweight anodized aluminum construction for easy handling
- Female clevis Ø 15.9 mm or Ø 31.8 mm

TECHNICAL SPECIFICATIONS

Test type	Shear, symmetric double-specimen
Max. load	10 kN
Carrier plate height	Max. 300 mm
Coupling	Female clevis Ø 15.9 mm or Ø 31.8 mm; others via adapter
Material	Aluminum, anodized
Temperature range	Ambient
Scope	Fixture; carrier plates available

APPLICATIONS

- Sandwich core materials
- Thermal insulation boards
- Foam cores
- Building products

STANDARDS EN 12090

Ordering & customization: Specify specimen and carrier plate dimensions and the machine coupling (Ø 15.9 mm or Ø 31.8 mm).

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-SF-090