SHEAR FIXTURES

Tile Adhesive Shear Fixture EN 12003

Compression shear fixture for tile adhesives per EN 1324 Fig. 2 and ANSI A118.1



OVERVIEW

A shear test fixture for tile adhesives to EN 1324 Fig. 2, ANSI A118.1, NF EN 12003 and ISO 13007-2 Fig. 9. The bonded specimen is clamped in the fixture with a 12–45 mm jaw opening and compressed by the upper platen until the adhesive fails in shear. A special version is available for testing from -40 to +100 °C.

KEY FEATURES

- Conforms to EN 1324, ANSI A118.1, EN 12003, ISO 13007-2
- Jaw opening of 12–45 mm for various tile thicknesses
- Rated to 20 kN maximum test load
- Rigid nickel-plated steel body, 13.15 kg
- Special version for -40 to +100 °C testing

TECHNICAL SPECIFICATIONS

Test type	Shear, compression mode
Max. load	20 kN
Jaw opening	12–45 mm
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others on request
Material	Steel, nickel-plated
Temperature range	0 … +70 °C; -40 … +100 °C version
Weight	13.15 kg
Accessory	Upper compression platen Ø 56 mm (not included)

AVAILABLE VERSIONS

Standard version	0 … +70 °C
Temperature version	-40 … +100 °C

APPLICATIONS

- Ceramic tile adhesives
- Cementitious mortars
- Dispersion adhesives
- Building materials testing

STANDARDS EN 1324, ANSI A118.1, EN 12003, ISO 13007-2

Ordering & customization: Specify specimen size, test temperature range and the machine coupling; order the upper compression platen separately.

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-SF-220

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DIMENSIONAL DRAWINGS

FIG. 1

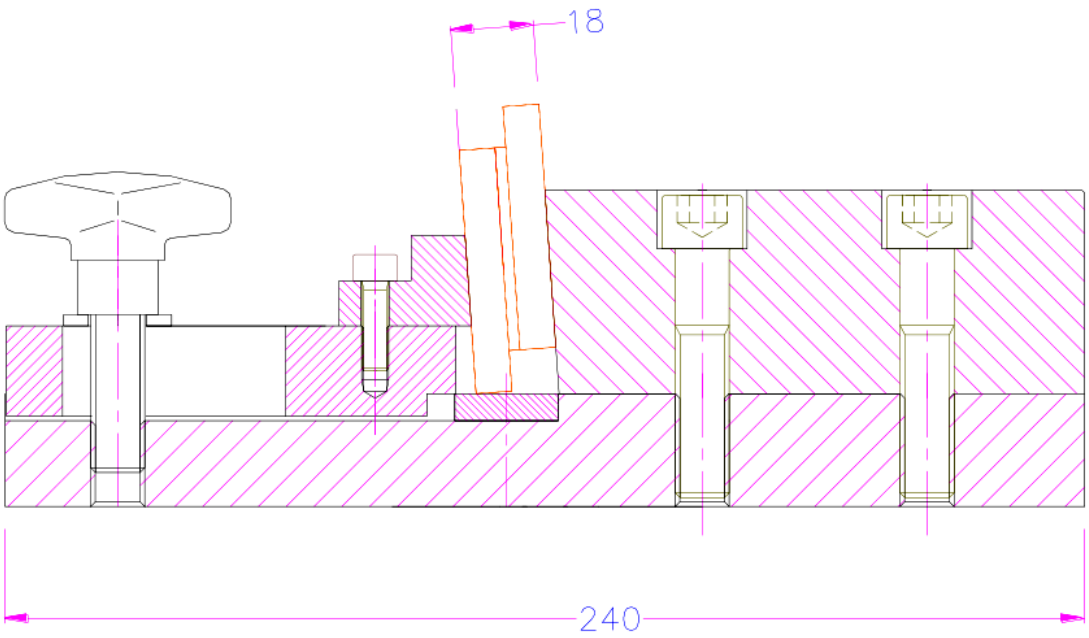


FIG. 2

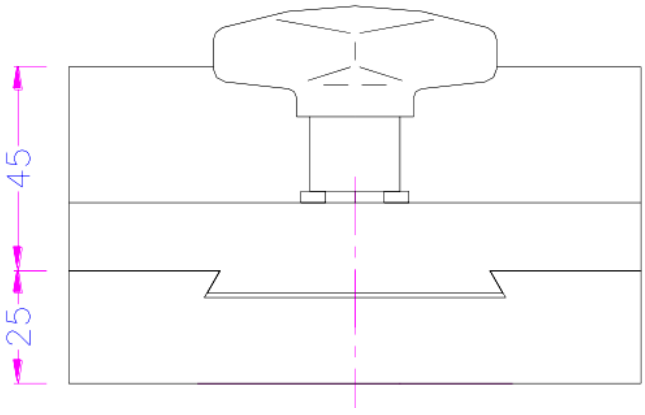
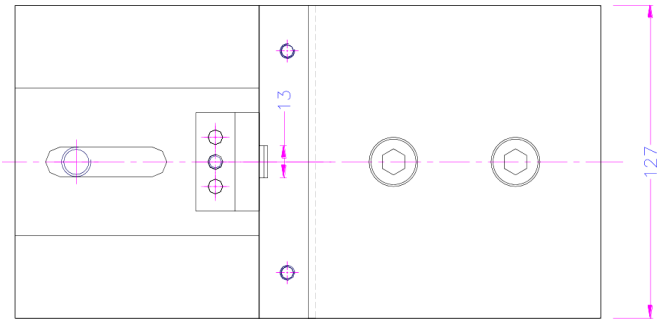


FIG. 3



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.