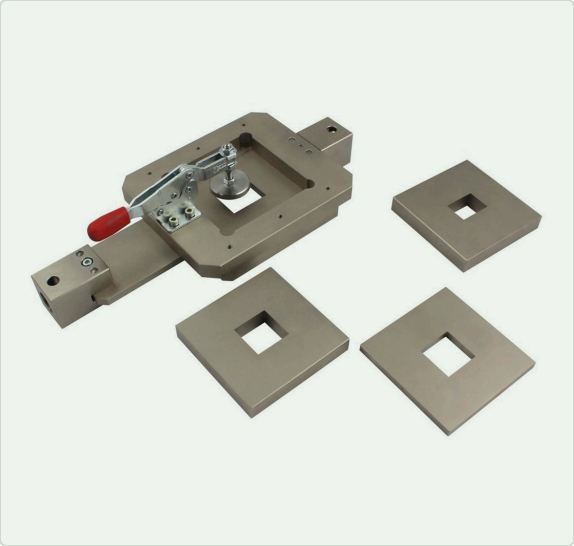
SHEAR FIXTURES

Adhesive Shear Strength Fixture ISO 13445

Block-shear fixture for adhesive bonds between rigid substrates



OVERVIEW

A block-shear fixture for testing adhesive bonds between rigid substrates to ASTM D4501, ISO 13445 and GOST R 57728. The bonded block specimen sits in an interchangeable insert and is sheared by a loading tool parallel to the bond line. Inserts in several sizes and thicknesses adapt the fixture to the specimen.

KEY FEATURES

- Conforms to ASTM D4501, ISO 13445 and GOST R 57728
- Rated to 20 kN maximum test load
- Interchangeable inserts for different block sizes
- Hardened, nickel-plated steel construction for long service life
- Special 10 kN version with 80 × 80 mm insert

TECHNICAL SPECIFICATIONS

Test type	Block shear of adhesive bonds
Max. load	20 kN
Inserts	26 × 26 mm (6 or 13 mm thick), 25 × 18 mm (13 mm thick)
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others on request
Material	Steel, hardened, nickel-plated
Temperature range	0 … +70 °C (others on request)
Weight	3 kg (without insert)
Scope of delivery	Fixture without insert

AVAILABLE VERSIONS

Insert 26 × 26 mm	6 mm thick
Insert 26 × 26 mm	13 mm thick
Insert 25 × 18 mm	13 mm thick
MIL-P-25690 version	Insert 26 × 26 mm, 10 mm thick
Special version, 10 kN	Insert 80 × 80 mm, 8 mm thick; coupling with 2 cross holes

APPLICATIONS

- Structural adhesives
- Bonded metals and plastics
- Wood adhesives
- Adhesive development labs

STANDARDS ASTM D4501, ISO 13445, GOST R 57728

Ordering & customization: Specify specimen block size and thickness so the correct insert is supplied, plus the machine coupling.

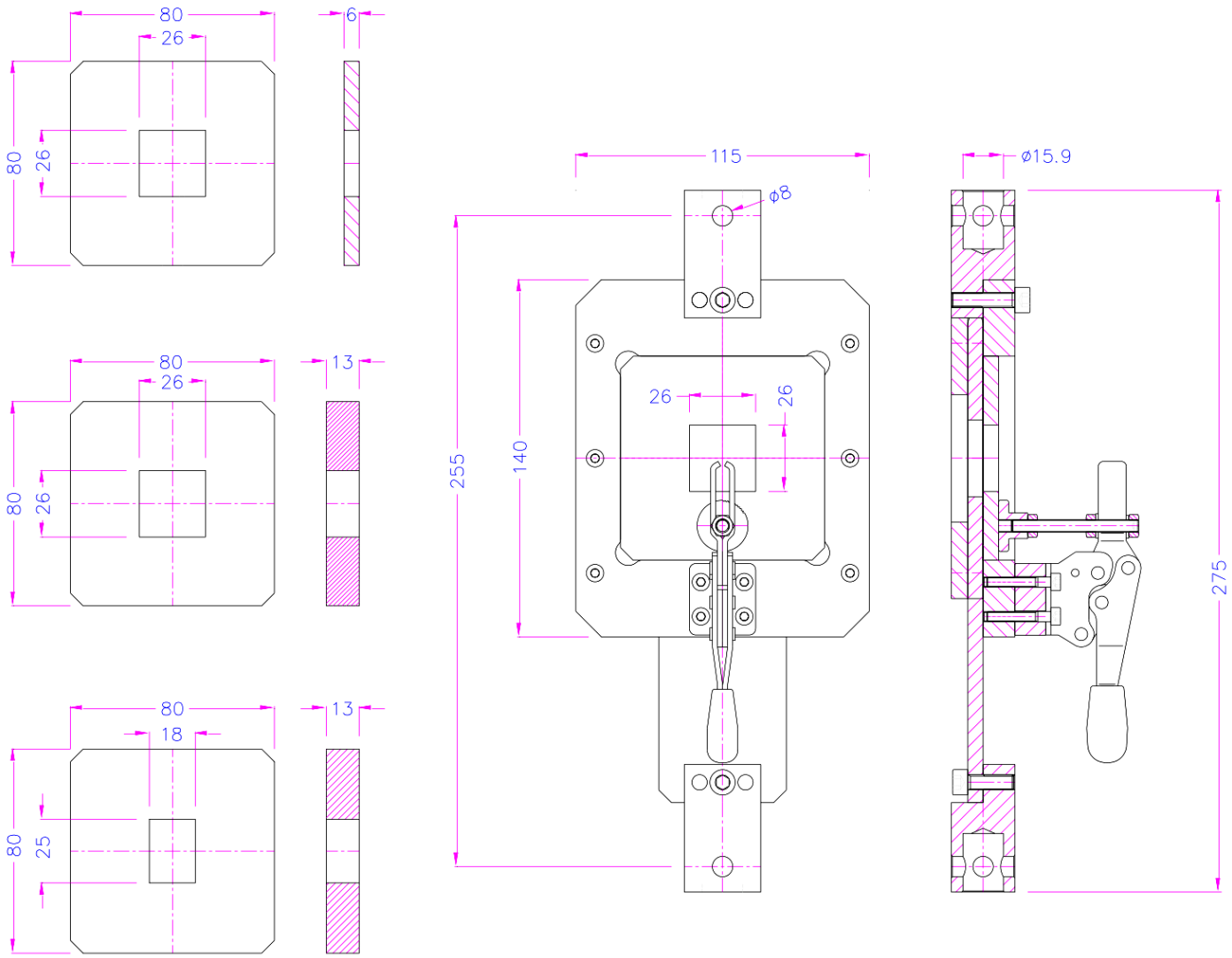
Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

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-170

Adhesive Shear Strength Fixture ISO 13445

DIMENSIONAL DRAWINGS

FIG. 1



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.