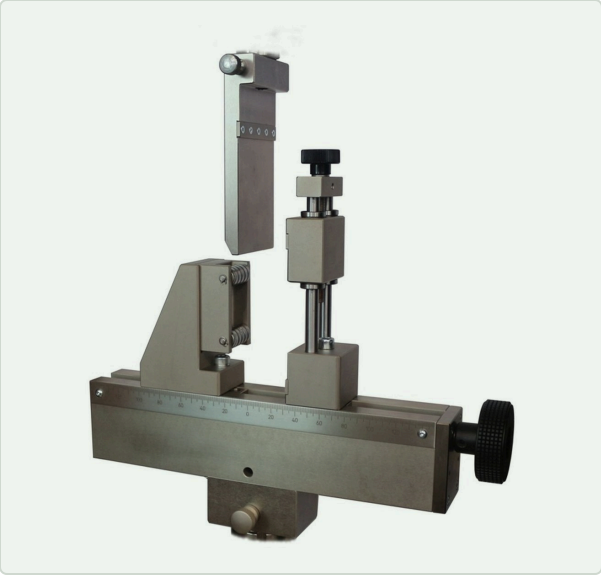
SHEAR FIXTURES

Thermal Barrier Profile Shear Fixture EN 14024

Shear fixture for thermally broken metal profiles per EN 14024 Fig. 5



OVERVIEW

A test fixture for determining the shear strength and elasticity constant of metal profiles with thermal barrier to DIN EN 14024, Fig. 5. The profile section is held so that the two metal shells are displaced relative to each other, loading the insulating bar in longitudinal shear. Used to qualify thermally broken window, door and facade profiles.

KEY FEATURES

- Conforms to DIN EN 14024, Fig. 5
- Determines shear strength and elasticity constant
- Rated to 10 kN maximum test load
- Corrosion-resistant construction made of nickel-coated steel
- Ø 30 mm female clevis coupling

TECHNICAL SPECIFICATIONS

Test type	Longitudinal shear of thermal barrier profiles
Max. load	10 kN
Specimens	Metal profiles with thermal barrier
Coupling	Female clevis, Ø 30 mm pin
Material	Steel, nickel-coated
Temperature range	Ambient (other ranges on request)
Specimen length	Per EN 14024

APPLICATIONS

- Window and door profiles
- Facade systems
- Thermally broken aluminum
- Polyamide insulating bars

STANDARDS EN 14024

Ordering & customization: Specify profile cross-section and specimen length, test temperature and the 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-SF-100