SHEAR FIXTURES

Sapphire Glue Strength Shear Fixture

Shear fixture for the glue strength of bonded sapphire parts



OVERVIEW

A special shear fixture for measuring the glue strength of bonded sapphire parts, such as cover windows and optical components. The bonded assembly is held in a rigid rectangular housing with an inspection window, and the shear load is applied across the glue line. The nickel-plated steel fixture is rated to 10 kN.

KEY FEATURES

- Designed for shear testing of bonded sapphire components
- Rigid rectangular housing with inspection window
- Rated to 10 kN maximum test load
- Corrosion-resistant construction made of nickel-plated steel
- Ø 25 mm male clevis coupling

TECHNICAL SPECIFICATIONS

Test type	Shear of glue bonds
Max. load	10 kN
Specimens	Bonded sapphire parts
Coupling	Male clevis, Ø 25 mm pin hole
Material	Steel, nickel-plated
Temperature range	Ambient (other ranges on request)

APPLICATIONS

- Sapphire cover glass
- Optical components
- Consumer electronics
- Adhesive qualification

Ordering & customization: Specify part geometry and bond area, 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-300