SHEAR FIXTURES

Dental Adhesion Shear Fixture ISO TS 11405

Shear fixture for adhesion to tooth structure per ISO/TS 11405



OVERVIEW

A shear test fixture for measuring adhesion to tooth structure to ISO/TS 11405. The embedded tooth specimen sits in a cylindrical cage holder, and a pointed pin with 10 mm diameter and 30° tip angle shears the bonded material from the tooth surface. It is used to compare dental adhesives and bonding procedures.

KEY FEATURES

- Built for ISO/TS 11405 adhesion testing
- Shear pin Ø 10 mm with 30° angle
- Cage-type holder for embedded tooth specimens
- Compact design for small, low-force machines
- Accessory pins and adapters supplied with the fixture

TECHNICAL SPECIFICATIONS

Test type	Shear bond strength to tooth structure
Max. load	On request
Shear pin	Ø 10 mm, 30° angle
Specimen holder	Cylindrical cage holder
Coupling	Clevis pin coupling — other sizes via adapters
Material	Steel
Temperature range	Ambient

APPLICATIONS

- Dental adhesives
- Bonding agents
- Dental restorative materials
- Dental research

STANDARDS ISO/TS 11405

Ordering & customization: Specify specimen embedding size, expected max. load 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-080