STANDARDS TEST FIXTURE

Dental Restorative Bond Shear Fixture

Shear bond fixture for dental restorative materials on tooth structure, similar to ISO 29022



OVERVIEW

Shear test fixture for determining the adhesive bond strength between direct dental restorative materials and tooth structure, similar to ISO 29022. The bonded specimen is held while a shear insert loads the restorative cylinder at the bond interface. Two inserts are supplied: a notched edge with R1.6 mm and a flat 2 × 10 mm edge.

KEY FEATURES

- Designed for dental shear bond tests similar to ISO 29022
- Notched shear insert with R1.6 mm cutting edge
- Flat shear insert with 2 × 10 mm cutting edge
- Rated for loads up to 5 kN
- Stainless steel construction for wet and clinical specimens
- Standard 20 mm clevis coupling for direct machine mounting

TECHNICAL SPECIFICATIONS

Max. load	5 kN
Test type	Shear bond strength
Standard	Similar to ISO 29022
Shear inserts	Notched R1.6 mm; flat 2 × 10 mm
Coupling	Female clevis, Ø 20 mm pin
Material	Stainless steel
Temperature range	On request

APPLICATIONS

- Dental adhesive development
- Restorative material testing
- Dental school research
- Bond strength QC

STANDARDS ISO 29022

Ordering & customization: Specify specimen mounting dimensions 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-ST-190