SHEAR FIXTURES

Tooth Sample Shear Fixture

Shear fixture with interchangeable inserts for tooth samples



OVERVIEW

A shear test fixture for tooth samples. The specimen is held in a rectangular insert inside a compact steel holder, and knurled screws on both sides clamp it in place while the shear load is applied. Interchangeable rectangular inserts of 10 × 10 mm and 5 × 5 mm adapt the fixture to the sample, and a version for round tooth samples is available.

KEY FEATURES

- Compact steel holder designed for small tooth samples
- Interchangeable 10 × 10 mm and 5 × 5 mm inserts
- Knurled side screws for secure clamping
- Version for round tooth samples available
- Corrosion-resistant construction made of nickel-plated steel

TECHNICAL SPECIFICATIONS

Test type	Shear of tooth samples
Max. load	On request
Inserts	Rectangular 10 × 10 mm and 5 × 5 mm
Clamping	Knurled side screws
Coupling	Clevis pin coupling — other sizes via adapters
Material	Steel, nickel-plated
Temperature range	Ambient

AVAILABLE VERSIONS

Insert 10 × 10 mm	Rectangular samples
Insert 5 × 5 mm	Rectangular samples
Round sample version	For round tooth samples

APPLICATIONS

- Human and bovine teeth
- Dental adhesives
- Enamel and dentin bonding
- Dental research

Ordering & customization: Specify sample shape and 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-330