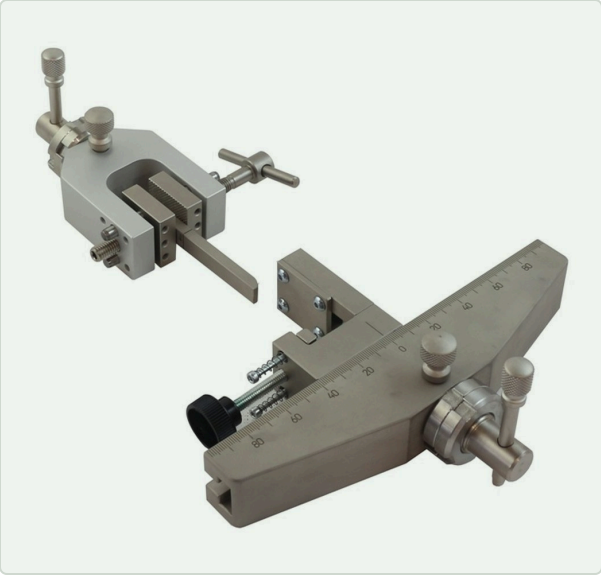
SHEAR FIXTURES

Dental Crown Shear Bond Fixture ISO 10477

Shear bond fixture for polymer-based crown and veneering materials



OVERVIEW

A shear bond strength fixture for polymer-based crown and veneering materials to ISO 10477. The bonded specimen is clamped in a holder on a graduated slide, and a hardened shearing blade in an adjustable holder loads the bond interface. The 1 kN capacity suits the low forces of dental bond testing on small universal testing machines.

KEY FEATURES

- Conforms to ISO 10477 shear bond testing
- 1 kN capacity for dental bond strength
- Shearing punch made of hardened, nickel-plated steel
- Graduated slide for precise blade-to-interface alignment
- Screw-adjustable blade holder for fine height setting

TECHNICAL SPECIFICATIONS

Test type	Shear bond strength
Max. load	1 kN
Punch	Steel, nickel-plated, hardened
Specimen holder	Clamp on graduated slide
Coupling	Male adapter, Ø 16 mm pin hole
Temperature range	Ambient
Specimen	Per ISO 10477

APPLICATIONS

- Dental crown materials
- Veneering composites
- Dental laboratories
- Dental materials research

STANDARDS ISO 10477

Ordering & customization: Specify specimen geometry per ISO 10477 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-060