STANDARDS TEST FIXTURE

Advanced Ceramic Joint Shear Fixture

Shear strength fixture for joints in advanced ceramics to ASTM C1469



OVERVIEW

Shear strength test fixture for joints in advanced ceramics according to ASTM C1469. The bonded or brazed joint specimen is supported so that a compressive load produces shear across the joint plane. The standard version is for ambient temperature; a high-temperature version withstands up to +1200 °C for tests in a furnace. Rated for 2.5 kN.

KEY FEATURES

- Designed for ceramic joint shear tests to ASTM C1469
- Ambient-temperature version for standard laboratory testing
- High-temperature version withstands up to +1200 °C
- Rated for loads up to 2.5 kN
- Precise specimen support keeps the shear plane at the joint
- Suitable for brazed, bonded and diffusion-joined ceramics

TECHNICAL SPECIFICATIONS

Max. load	2.5 kN
Test type	Shear, compression-loaded
Standard	ASTM C1469
Specimen	Advanced ceramic joint specimens
Temperature range	Ambient; high-temperature version up to +1200 °C
Coupling	On request
Material	On request

AVAILABLE VERSIONS

Ambient version	For tests at room temperature
High-temperature version	Withstands up to +1200 °C

APPLICATIONS

- Technical ceramics R&D
- Ceramic-to-ceramic joints
- Ceramic-metal brazing
- Aerospace and energy materials

STANDARDS ASTM C1469

Ordering & customization: Specify test temperature, specimen dimensions and the machine or furnace load train connection.

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-220