SHEAR FIXTURES

Spinal Implant Compression-Shear Fixture

Angled compression-shear fixture for intervertebral body fusion devices per ASTM F2077



OVERVIEW

A compression-shear fixture for testing intervertebral body fusion devices to ASTM F2077. An inclined loading block applies combined compression and shear to the implant, which sits on a lower block mounted on a graduated sliding base for exact alignment. The fixture is made of hardened stainless steel and suits both static and dynamic implant testing.

KEY FEATURES

- Built for ASTM F2077 compression-shear testing
- Inclined loading block produces combined compression and shear
- Graduated sliding base for exact implant alignment
- Hardened stainless steel construction for implant test environments
- Ø 20 mm female clevis or M14 thread

TECHNICAL SPECIFICATIONS

Test type	Compression-shear of intervertebral fusion devices
Max. load	50 kN
Loading	Inclined block, combined compression and shear
Alignment	Graduated sliding base
Coupling	Female clevis Ø 20 mm pin, or M14 thread
Material	Stainless steel, hardened
Temperature range	Ambient

AVAILABLE VERSIONS

Ø 20 mm clevis version	Female clevis, Ø 20 mm pin
M14 thread version	M14 × 40 mm thread connection

APPLICATIONS

- Spinal fusion cages
- Intervertebral body fusion devices
- Orthopedic implants
- Medical device testing

STANDARDS ASTM F2077

Ordering & customization: Specify implant size and footprint, static or dynamic testing 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-280