STANDARDS TEST FIXTURE

Polymer Composite Compression Fixture GOST 33519

Compression fixture for polymer composite strip specimens to GOST 33519



OVERVIEW

Compression test fixture for polymer composites according to GOST 33519. Flat strip specimens are clamped between two pairs of steel blocks tightened by side bolts, which support the specimen and introduce compressive load through the clamped ends. A short unsupported gauge section between the blocks fails in compression without buckling. Robust steel construction for high-modulus laminates.

KEY FEATURES

- Test arrangement designed to GOST 33519 requirements
- Bolt-clamped steel blocks grip the specimen ends
- Short unsupported gauge length prevents buckling
- Guided upper and lower halves keep loading axial
- Suitable for flat strip laminate specimens
- Robust steel construction for high-strength composites

TECHNICAL SPECIFICATIONS

Test type	Compression, polymer composites
Specimen	Flat strip specimens
Clamping	Side bolts on steel blocks
Material	Steel
Max. load	On request
Coupling	On request
Temperature range	Ambient

APPLICATIONS

- Carbon fiber laminates
- Glass fiber composites
- Aerospace composite qualification
- Composite materials R&D

STANDARDS GOST 33519

Ordering & customization: Specify specimen dimensions, expected maximum load and whether the fixture is used between compression platens or with a 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-840