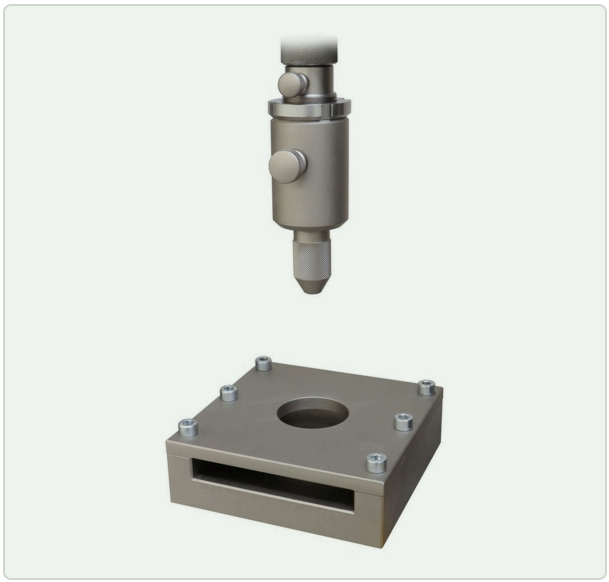
STANDARDS TEST FIXTURE

Composite Fastener Pull-Through Fixture Method B

Fastener pull-through fixture for fiber-reinforced composites to ASTM D7332 Method B



OVERVIEW

Fixture for measuring the fastener pull-through resistance of fiber-reinforced polymer matrix composites according to ASTM D7332, Method B. The specimen and fastener are assembled in the fixture and the testing machine pulls the fastener through the laminate. Offered as a 20 kN version for M6 fasteners and a 10 kN special version.

KEY FEATURES

- Designed for fastener pull-through tests to ASTM D7332 Method B
- Standard version rated for 20 kN with M6 fasteners
- Special 10 kN version for lighter laminates
- Hardened, nickel-plated steel construction for long service life
- Male clevis coupling, Ø 25 mm pin hole, on the 20 kN version
- Fixture geometry adaptable to other fastener sizes on request

TECHNICAL SPECIFICATIONS

Max. load	20 kN (standard) / 10 kN (special version)
Test type	Fastener pull-through
Standard	ASTM D7332 Method B
Fastener size	M6
Coupling	Male clevis, Ø 25 mm pin hole; others via adapter
Material	Steel, hardened, nickel-plated
Temperature range	0 … +70 °C; other ranges on request

AVAILABLE VERSIONS

20 kN version	For M6 fasteners, male clevis Ø 25 mm pin hole
10 kN special version	Similar to ASTM D7332 Method B, hardened nickel-plated steel

APPLICATIONS

- Aerospace composite joints
- Fastener system qualification
- Composite panel development
- Materials research laboratories

STANDARDS ASTM D7332

Ordering & customization: Specify fastener size, specimen thickness, required capacity 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-ST-250