PUNCTURE FIXTURES

Textile Elasticity Fixture ISO 20932-2

Ring clamp and hemispherical probe for multiaxial elasticity tests on fabrics to ISO 20932-2



OVERVIEW

A test fixture for determining the multiaxial elasticity of textile fabrics according to ISO 20932-2, Figures 2 and 3. The fabric is clamped in a ring holder mounted on a column stand and deformed by a hemispherical probe driven by the testing machine. Force and extension during deformation describe the stretch and recovery behavior of knitted and elastic fabrics.

KEY FEATURES

- Configured to ISO 20932-2, Figures 2 and 3
- Ring clamp holds the fabric with uniform edge restraint
- Hemispherical probe produces multiaxial fabric deformation
- Column stand gives clearance for probe travel below the ring
- Clamping screws allow quick specimen changes
- Pin coupling connects the upper probe to the machine

TECHNICAL SPECIFICATIONS

Test type	Multiaxial elasticity (probe push-through)
Standard	ISO 20932-2, Fig. 2 and 3
Specimen	Fabric, clamped in ring holder
Probe	Hemispherical
Max. load	On request
Coupling	Clevis pin coupling - other sizes via adapters
Material	Steel / aluminum (as pictured)

APPLICATIONS

- Knitted fabrics
- Elastic textiles
- Sportswear and medical textiles
- Nets and meshes

STANDARDS ISO 20932-2

Ordering & customization: Specify fabric type, required load range and the machine coupling for probe and base.

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-PF-010