SHEAR FIXTURES

O-Ring Composite Shear Fixture

Special shear fixture for ring-shaped composite samples 70–170 mm



OVERVIEW

A special shear fixture for ring-shaped composite samples similar to O-rings, with diameters from 70 to 170 mm. Two quarter-circle steel blocks with stepped seats hold the ring at the matching radius, and the upper block shears the ring section as the machine applies load. Rated to 50 kN.

KEY FEATURES

- Accepts ring-shaped samples 70–170 mm in diameter
- Stepped seats locate rings at matching radius
- Rated to 50 kN maximum test load
- Nickel-plated steel upper and lower blocks
- Clevis pin connection on both halves

TECHNICAL SPECIFICATIONS

Test type	Shear of ring-shaped samples
Max. load	50 kN
Sample diameter	70–170 mm
Coupling	Clevis pin coupling — other sizes via adapters
Material	Steel, nickel-plated
Temperature range	Ambient (other ranges on request)

APPLICATIONS

- Composite rings
- Filament-wound parts
- Seals and gaskets
- Custom component testing

Ordering & customization: Specify ring diameter and cross-section, expected max. load 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-270