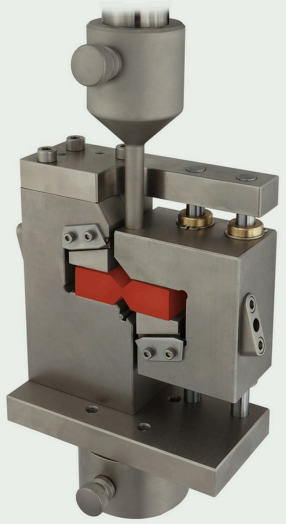
SHEAR FIXTURES

V-Notched Beam Shear Fixture

Iosipescu V-notched beam shear fixture for composites per ASTM D5379



OVERVIEW

A V-notched beam shear fixture for determining the shear properties of composite materials by the Iosipescu method to ASTM D5379. The double-notched specimen is clamped in a fixed and a sliding half, and the compression probe displaces the sliding half to create a uniform shear zone between the notches. Probe and jaws are included.

KEY FEATURES

- Conforms to ASTM D5379 (Iosipescu method)
- Rated to 50 kN maximum test load
- Specimen opening 18–19.5 mm (max. 23 mm)
- Compression probe and specimen jaws included in delivery
- Usable from -10 to +80 °C

TECHNICAL SPECIFICATIONS

Test type	V-notched beam shear
Max. load	50 kN
Opening	18–19.5 mm (max. 23 mm)
Coupling	Female clevis, Ø 31.8 mm (1-1/4 in) pin; others on request
Material	Steel, nickel-plated
Temperature range	-10 … +80 °C (others on request)
Weight	10 kg
Scope of delivery	Fixture incl. compression probe and jaws

APPLICATIONS

- Fiber-reinforced composites
- Composite laminates
- Aerospace materials qualification
- Composite R&D

STANDARDS ASTM D5379

Ordering & customization: Specify specimen thickness, test temperature and the machine coupling.

Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

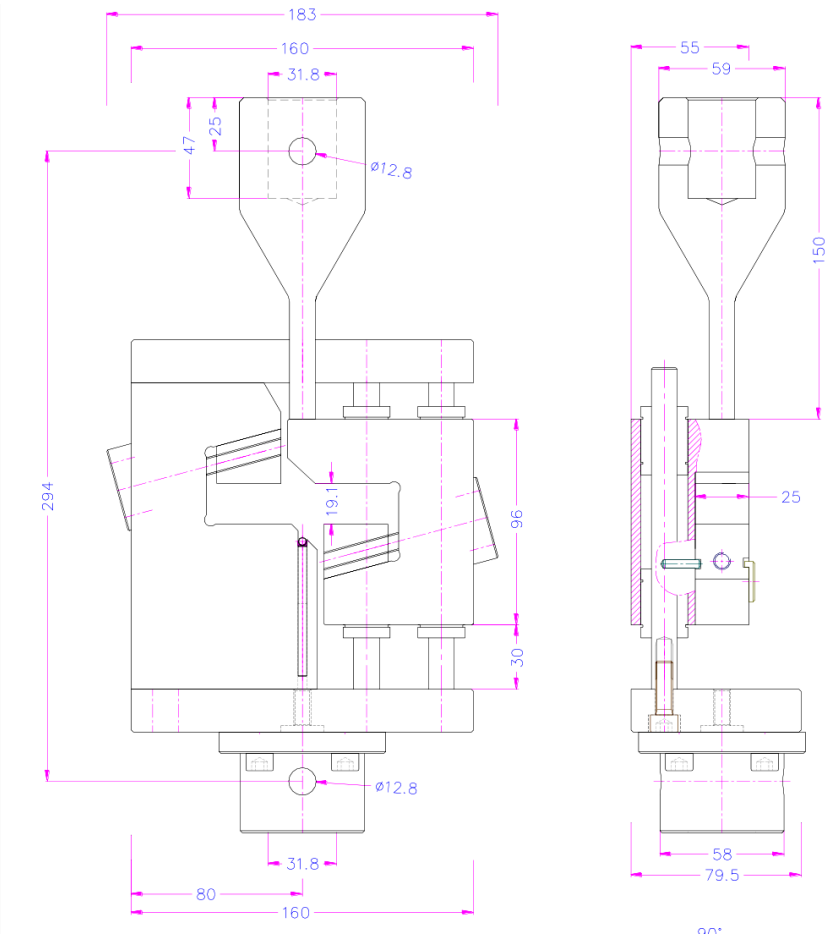
Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-SF-230

V-Notched Beam Shear Fixture

DIMENSIONAL DRAWINGS

FIG. 1

Max. force capacity:	50 kN
Opening:	18 mm - 19.5 mm (max. 23 mm)
Standard coupling:	Further couplings on request
Weight:	10 kg
Material:	Steel, nickel-plated
Temperature range:	-10 … +80°C Further temperature ranges on request
Scope of delivery:	1 fixture incl. compression probe and jaws



Dimensions in mm. Drawings are representative of the product family and may show optional versions or accessories; dimensions are for reference only and may change without notice. Certified dimensional drawings and 3D models are available on request.