SHEAR FIXTURES

Amsler Double Shear Fixture

Amsler-type double shear fixture for aluminum alloy rod per ASTM B769



OVERVIEW

An Amsler-type fixture for double-shear testing of aluminum alloy specimens to ASTM B769. A round specimen is held in hardened cutting dies and sheared across two planes by a central punch. Replaceable dies and punches keep the cutting edges sharp, and a 100 kN version is available for higher-strength material.

KEY FEATURES

- Conforms to ASTM B769 double shear testing
- Hardened, nickel-plated steel dies and punch
- Replaceable cutting dies Ø 25.4 × 13.5 mm
- Accepts round specimens of 10 mm diameter
- 100 kN version for higher-strength alloys

TECHNICAL SPECIFICATIONS

Test type	Double shear of round specimens
Max. load	100 kN (heavy version); standard version on request
Specimen diameter	10 mm
Cutting dies	Ø 25.4 mm x 13.5 mm high, 10 mm bore
Coupling	Male clevis, Ø 31.8 mm (1-1/4 in) pin hole; 100 kN version: male Ø 50 mm
Material	Steel, hardened, nickel-plated
Temperature range	Ambient

AVAILABLE VERSIONS

Standard fixture	10 mm specimens, male clevis Ø 31.8 mm
100 kN fixture	Male Ø 50 mm coupling
Cutting dies	Replacement set, Ø 25.4 × 13.5 mm
Punch	Replacement punch

APPLICATIONS

- Aluminum alloy rod and bar
- Rivet wire
- Aerospace alloys
- Mill quality control

STANDARDS ASTM B769

Ordering & customization: Specify specimen diameter, required capacity, and the machine coupling; order spare dies and punches as needed.

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-020