PUNCTURE FIXTURES

Sheet Metal Ball Punch Fixture ISO 8490

Miniature ball punch deformation fixture for thin metallic sheets and foils



OVERVIEW

A miniature fixture for ball punch deformation tests on thin metallic sheet and foil, based on ASTM E643 and ISO 8490. The specimen is clamped between the two halves of a compact stainless steel die body with four screws, and a slender punch deforms it until fracture. The 50 N rating suits very thin foils and small samples.

KEY FEATURES

- Based on ASTM E643 and ISO 8490 test principle
- Compact two-part die clamped by four screws
- Slender punch sized for small foil specimens
- 50 N capacity matched to thin foils
- Stainless steel construction for die body and punch
- Female clevis coupling for Ø 15.9 mm (5/8 in) pin

TECHNICAL SPECIFICATIONS

Max. load	50 N
Test type	Ball punch / cupping deformation
Specimen	Thin metallic sheet and foil
Clamping	Two-part die, 4 screws
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin
Material	Stainless steel
Dimensions	On request

APPLICATIONS

- Metal foils
- Battery and electronics foils
- Thin sheet formability
- Materials research

STANDARDS ASTM E643, ISO 8490

Ordering & customization: Specify specimen thickness and size, punch geometry 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-PF-230