SHEAR FIXTURES

Plastic-Metal Assembly Adhesion Fixture ISO 19095-3

Tensile fixture for adhesion of plastic-metal assemblies per ISO 19095-3



OVERVIEW

A tensile test fixture for the adhesion properties of plastic-metal assemblies to ISO 19095-3, Fig. 1. The molded specimen is clamped in an upper grip with lever-operated rollers and held in a lower specimen holder on an articulating joint, so the bonded interface is loaded without bending. Rated to 150 kN for strong direct-joined assemblies.

KEY FEATURES

- Conforms to ISO 19095-3, Fig. 1
- Rated to 150 kN maximum test load
- Lever-operated upper grip for fast specimen loading
- Articulating lower holder aligns the specimen
- Corrosion-resistant construction made of nickel-plated steel

TECHNICAL SPECIFICATIONS

Test type	Tensile adhesion of plastic-metal assemblies
Max. load	150 kN
Specimen	Per ISO 19095-3, Fig. 1
Coupling	Male clevis, Ø 50 mm pin hole
Material	Steel, nickel-plated
Temperature range	Ambient (other ranges on request)

APPLICATIONS

- Plastic-metal hybrid parts
- Insert-molded components
- Automotive lightweight parts
- Electronics housings

STANDARDS ISO 19095-3

Ordering & customization: Specify specimen 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-SF-290