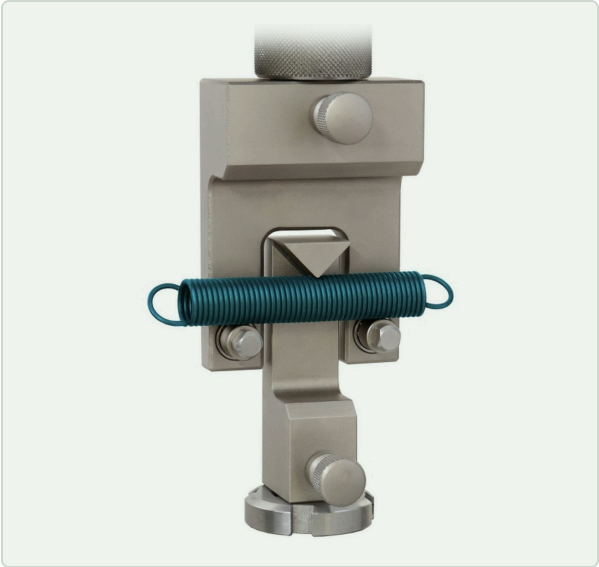
STANDARDS TEST FIXTURE

Electrical Varnish Helical Coil Bond Fixture

Helical coil bond strength fixture for electrical insulating varnishes to ASTM D2519



OVERVIEW

Bond strength test fixture for electrical insulating varnishes applied to a helical coil according to ASTM D2519. The varnished coil specimen is placed on the rollers of the top fixture and below the hardened V-block of the bottom fixture, and the testing machine loads it in bending until it breaks. Rated for 500 N.

KEY FEATURES

- Designed for helical coil bond tests according to ASTM D2519
- Top fixture with rollers supports the coil specimen
- Hardened, nickel-plated V-block loads the specimen
- Rated for loads up to 500 N
- Compact nickel-plated steel body, 0.8 kg
- Standard 15.9 mm clevis coupling for direct machine mounting

TECHNICAL SPECIFICATIONS

Max. load	500 N
Test type	Bond strength, flexural break
Standard	ASTM D2519
Specimen	Varnished helical coils
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others on request
Body	Steel, nickel-plated
V-block	Steel, hardened, nickel-plated
Temperature range	0 … +70 °C; other ranges on request
Weight	0.8 kg

APPLICATIONS

- Electrical insulating varnishes
- Motor and transformer windings
- Magnet wire coatings
- Insulation materials laboratories

STANDARDS ASTM D2519

Ordering & customization: Specify 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-ST-590

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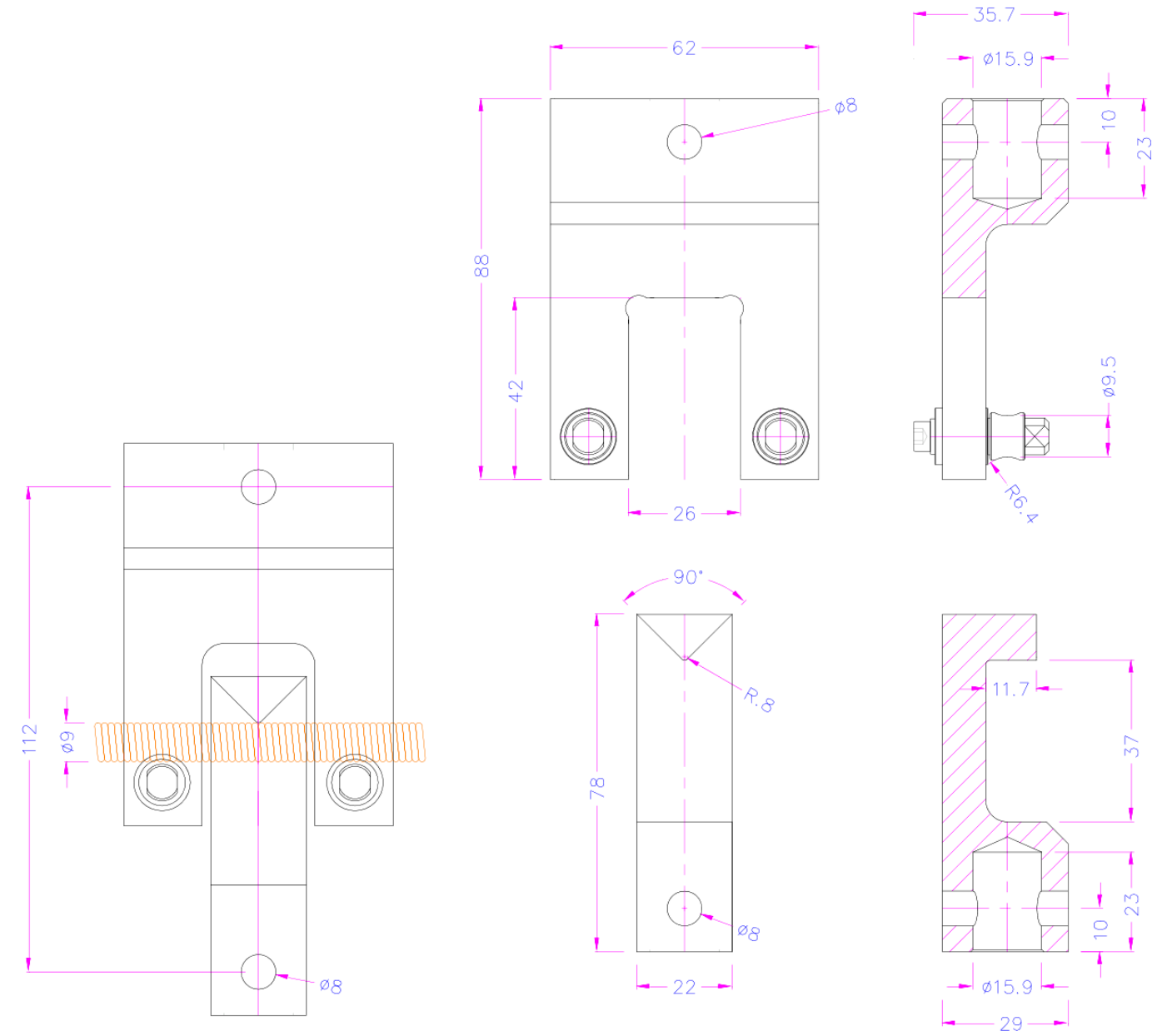
DIMENSIONAL DRAWINGS

FIG. 1



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.