SHOULDER & BUTTON HEAD GRIPS

Plating Embrittlement Shoulder Grip

Shoulder grip with notched-specimen inserts for hydrogen embrittlement testing to ASTM F519



OVERVIEW

Special shoulder grip for evaluating hydrogen embrittlement caused by plating, coating and cleaning processes to ASTM F519. Notched round specimens of type 1a.2 are held at their shoulders in hardened inserts and loaded in sustained tension. The set includes two insert holders and three inserts with an 8.5 mm bore and 0.76 mm radius.

KEY FEATURES

- For ASTM F519 type 1a.2 notched round specimens
- Inserts with 8.5 mm bore and 0.76 mm seat radius
- Suited to sustained-load and incremental step-load embrittlement tests
- Two insert holders and three inserts included
- Rated to 10 kN with female clevis coupling

TECHNICAL SPECIFICATIONS

Max. load	10 kN
Test type	Plating / coating hydrogen embrittlement
Specimen	ASTM F519 type 1a.2, shoulder-head round
Insert bore	Ø 8.5 mm, seat radius 0.76 mm
Coupling	Female clevis, Ø 40 mm pin; others via adapter
Material	Steel, hardened, nickel-coated
Scope of delivery	2 insert holders, 3 inserts

APPLICATIONS

- Electroplating and coating shops
- Aerospace fastener qualification
- Process control of cleaning baths
- High-strength steel parts

STANDARDS ASTM F519

Ordering & customization: Specify the ASTM F519 specimen type, the number of spare inserts and the coupling of your testing machine.

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-SH-180