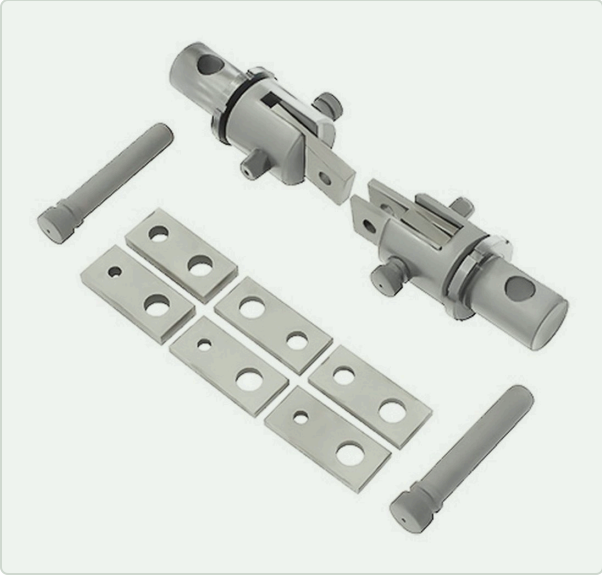
SHEAR FIXTURES

Bolt and Pin Shear Platens

Clevis-mounted shear platens for single and double shear of bolts and pins



OVERVIEW

A simple shear fixture for testing bolts and pins. The specimen passes through the holes of steel shear platens mounted in two opposing clevis holders, and is sheared as the machine pulls the holders apart. Interchangeable platens with different hole sizes and a spacer platen adapt the setup to the fastener diameter.

KEY FEATURES

- Shear testing of bolts and pins in tension mode
- Interchangeable shear platens with different hole sizes
- Spacer platen included for setting the shear gap
- Opposing clevis holders with pin connection
- Simple, robust design for routine fastener tests

TECHNICAL SPECIFICATIONS

Test type	Shear of bolts and pins
Max. load	On request
Shear platens	Interchangeable, hole sizes on request
Scope	Holders, shear platens, 1 spacer platen
Coupling	Female clevis, Ø 60 mm pin
Material	Steel
Temperature range	Ambient

APPLICATIONS

- Bolts and pins
- Fastener incoming inspection
- Aerospace hardware
- Mechanical engineering labs

STANDARDS QVA-Z10-37-04

Ordering & customization: Specify bolt or pin diameter, single or double shear, expected max. load and 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-SF-200

Bolt and Pin Shear Platens

DIMENSIONAL DRAWINGS

FIG. 1

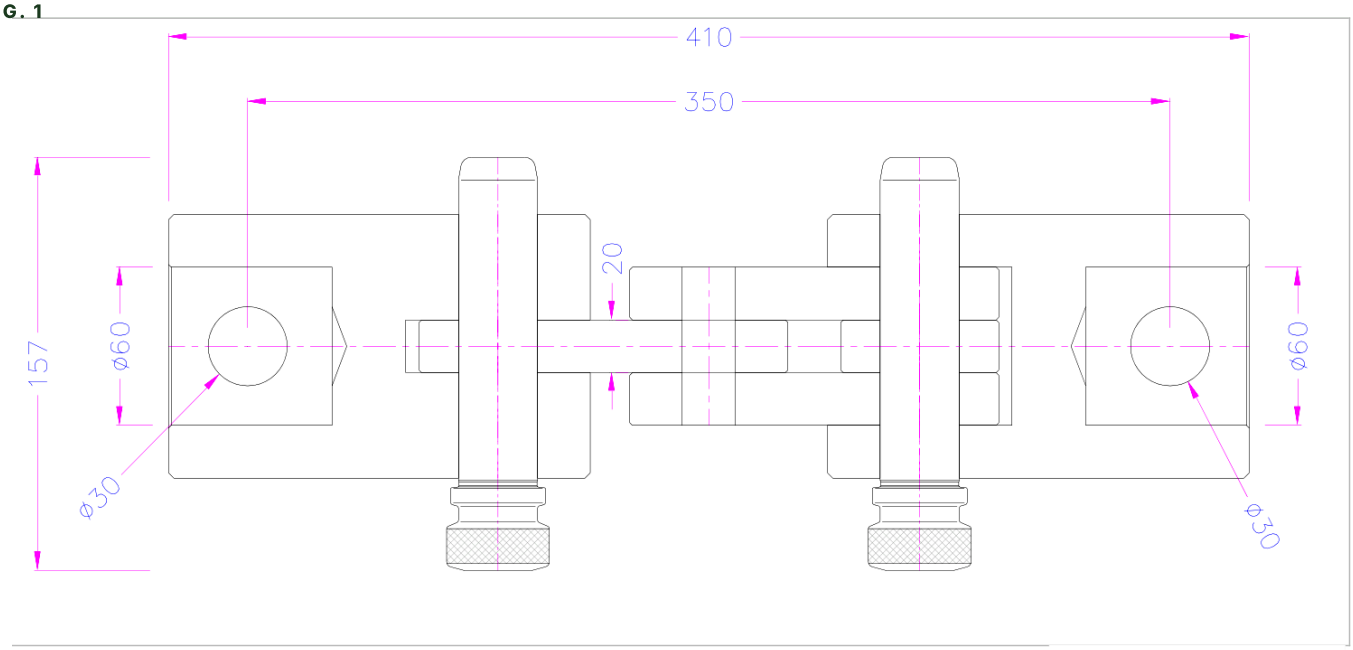
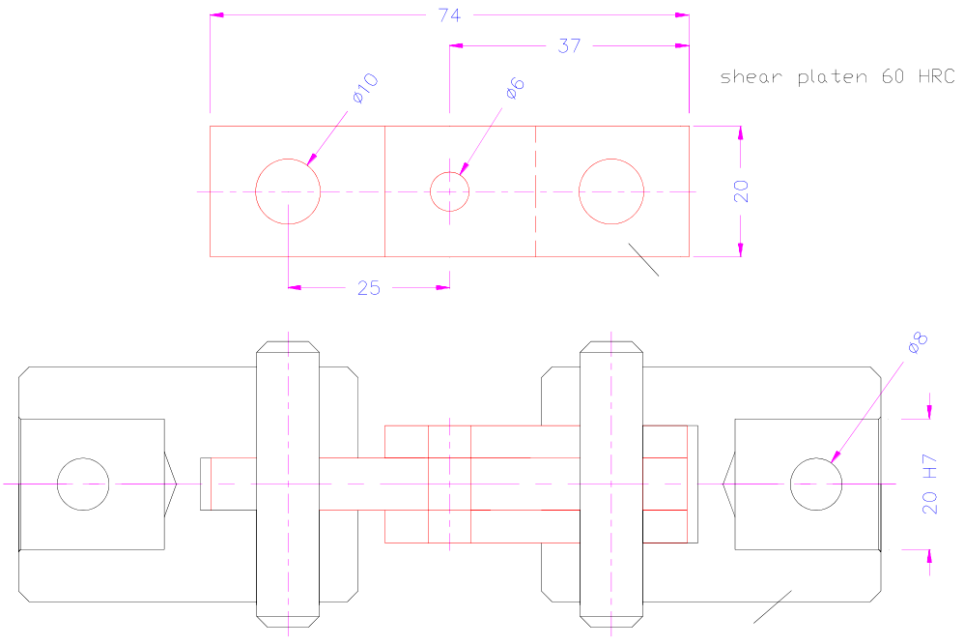


FIG. 2



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.