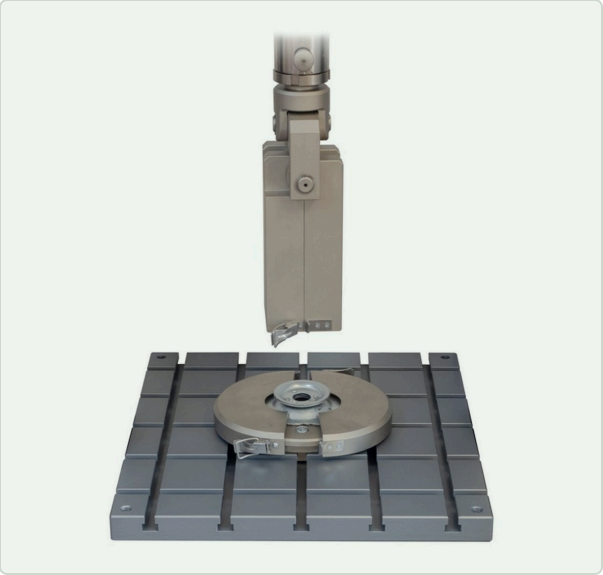
SHOULDER & BUTTON HEAD GRIPS

Welded Car Part Shoulder Grip

Special split shoulder grip and base fixture for tensile testing welded automotive parts



OVERVIEW

Special shoulder grip for tensile testing of welded automotive components. A split upper chuck with latch closure holds one part of the welded assembly, while the mating part is located in a split ring holder on a T-slot base plate. Pulling the two apart tests the strength of the weld under realistic loading.

KEY FEATURES

- Split upper chuck with latches for fast part loading
- Split ring holder locates the mating part on the base
- T-slot base plate for positioning on the machine table
- Upper grip on a universal joint for self-alignment
- Hardened, nickel-coated steel for heavy-duty use
- Holders adaptable to customer part geometry on request

TECHNICAL SPECIFICATIONS

Test type	Tensile test of welded car parts
Upper grip	Split shoulder chuck with latch closure
Lower fixture	Split ring holder on T-slot base plate
Max. load	On request
Material	Steel, hardened, nickel-coated
Coupling	Male clevis, Ø 35 mm with Ø 13 mm pin hole
Operation	Manual

APPLICATIONS

- Automotive body and chassis parts
- Weld nut and stud assemblies
- Weld process validation
- Tier-1 part quality testing

Ordering & customization: Provide a drawing or sample of the welded part, the expected maximum load 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-120