



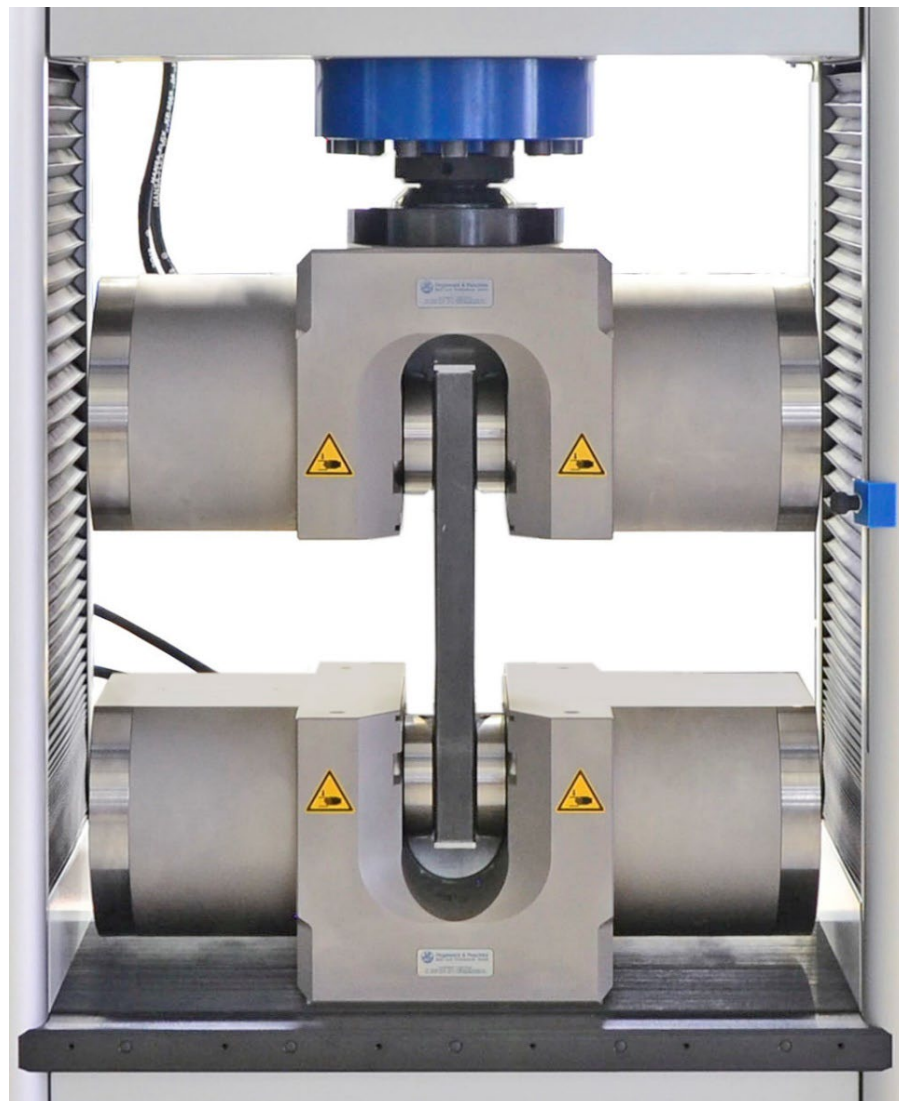
# Hegewald & Peschke

Meß- und Prüftechnik GmbH

## Product information

# Hydraulic grips 600 kN

double- or single-sided with manually adjustable clamp counter bearing



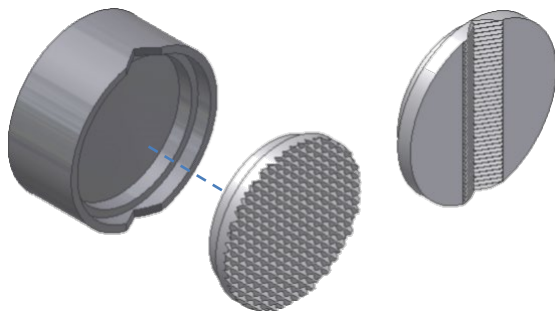
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### Fields of application:

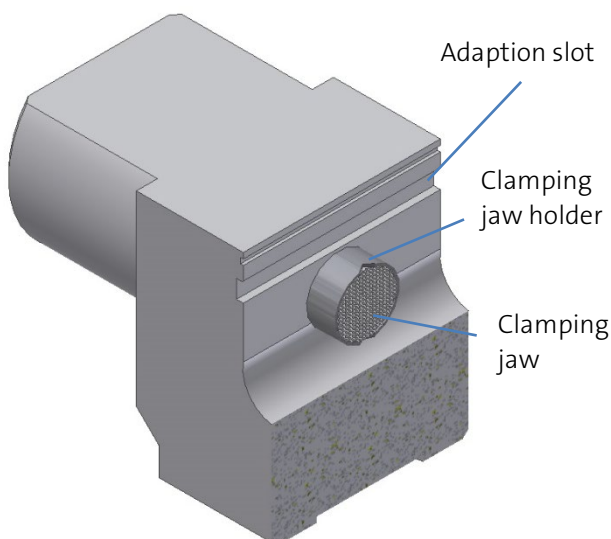
- Tensile test on flat and round specimens, e.g. according to EN ISO 6892-1
- Compression and bending tests can be realized via optional connections in the base body
- Shear tests
- Specimen materials: metallic and non-metallic materials, composites

### Features and advantages:

- Available as synchronized version for symmetrical clamping (*Art. no. 600.21*) or with manually adjustable clamping counter bearing for symmetrical and asymmetrical clamping (*Art. no. 600.20*)
- Choice of standard version or model for clamping short specimens
- Modular clamping system consisting of jaw holder and clamping jaw  
→ Lower wear and spare parts costs



Hydraulic grip with clamping:

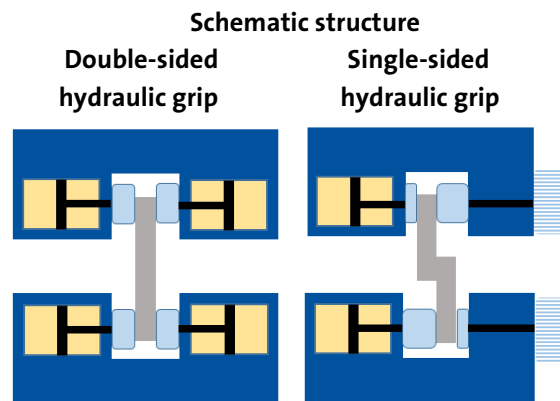


### Single-sided closing hydraulic grips:

- Suitable for non-centric clamping, e.g. of bonded or welded specimens

### Double-sided closing hydraulic grips:

- Mechanical synchronization control for shorter test times
- Reproducible clamping pressure
  - Constant over the entire test duration
  - Proportionally increasing to the tensile force



### Overview of hydraulic grips 600 kN

Design	Single-sided closing		Double-sided closing	
<b>Minimum specimen clamping length</b>	115 mm	100 mm	115 mm	100 mm
<b>Article number</b>	600.20	600.20/10	600.21	600.21/10



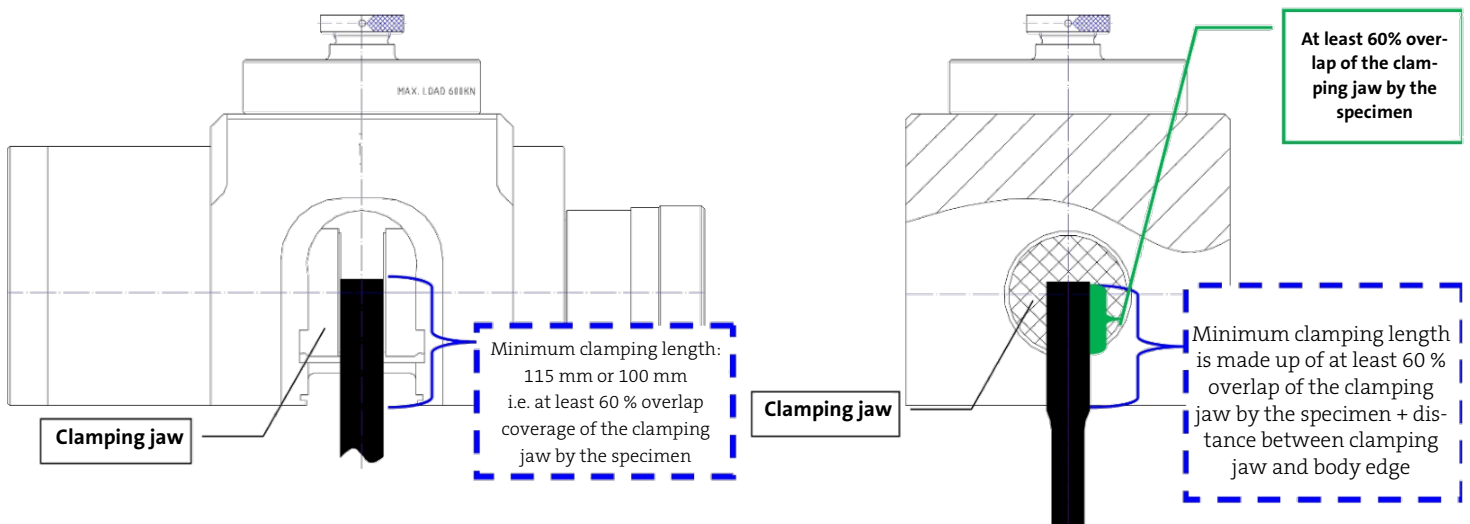
## Technical data:

<b>Capacity</b>	600 kN
<b>Clamping pressure/ clamping force max.</b>	500 bar/ 1000 kN
<b>Temperature range</b>	Room temperature
<b>Specimen dimensions</b>	Flat specimens thickness 0 - 100 mm, width up to 110 mm Round specimens 8 - 60 mm
<b>Minimum clamping length</b>	600.20 & 600.21: 115 mm 600.20/10 & 600.21/10: 100 mm
<b>Connection / machine type</b>	LK184-8xM16-IG / series inspekt 600
<b>Dimensions / design</b>	Height 270 mm, width 656 mm, depth 300 mm / nickel-plated
<b>Weight</b>	240 kg each grip (single-sided closing model) 270 kg each grip (double-sided closing model)
<b>Scope of delivery</b>	1 pair of hydraulic grips 600 kN without jaws
<b>Required accessories</b>	1 adapter set Clamping jaw holders Clamping jaws for flat specimens (plain or with profile) Clamping jaws for round specimens (with profile) Hydraulic power unit Computer control for semi-automatic hydraulic power unit
<b>Optional accessories</b>	Specimen depth control stop Coupling elements and specimen clamping aids on request

### Minimum clamping length:

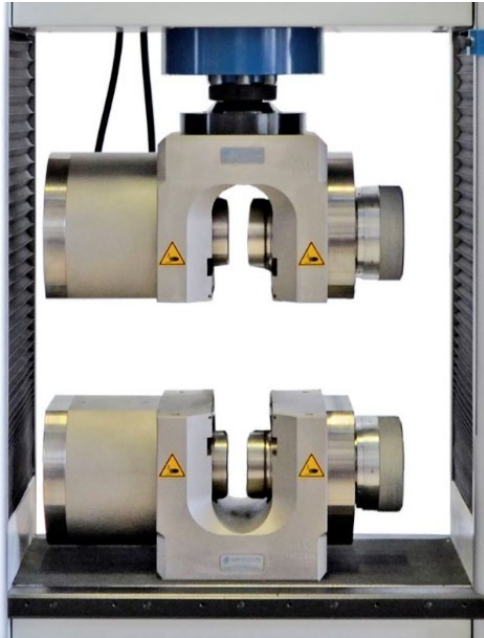
Standard model (600.20 or 600.21): 115 mm

Model for clamping short specimens  
(600.20/10 or 600.21/10): 100 mm

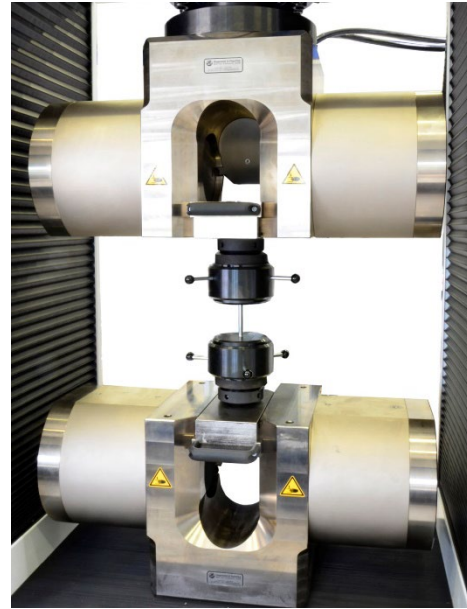


### Application examples

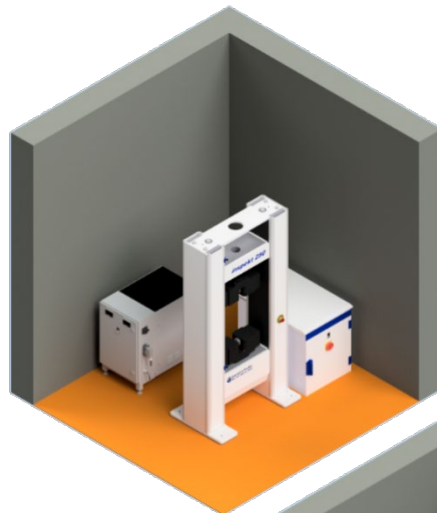
Single-sided closing hydraulic grips with manually adjustable counter bearing:



Double-sided hydraulic grip with adaptation of additional tools via coupling slide:



### Hydraulic aggregates:



### Functionality:

- Individual opening and closing of the clamping devices in inching mode via the manual control of the testing machine (RMC7)
- Automatic switch-off when the pre-pressure is reached
- Automatic start-up of the main pressure at the start of the test
- Various operating modes:
  - Single clamping
  - Retensioning at pressure threshold
  - Continuous clamping (option)
  - Force-proportional clamping (option)