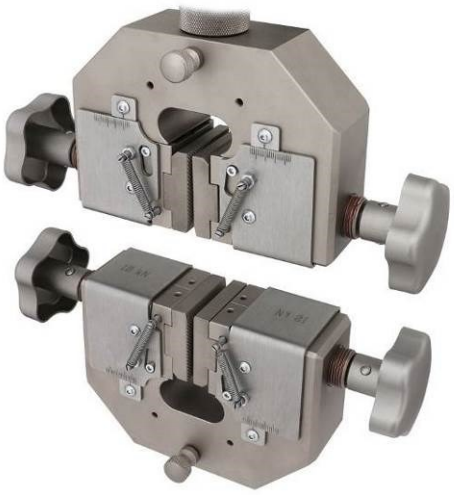
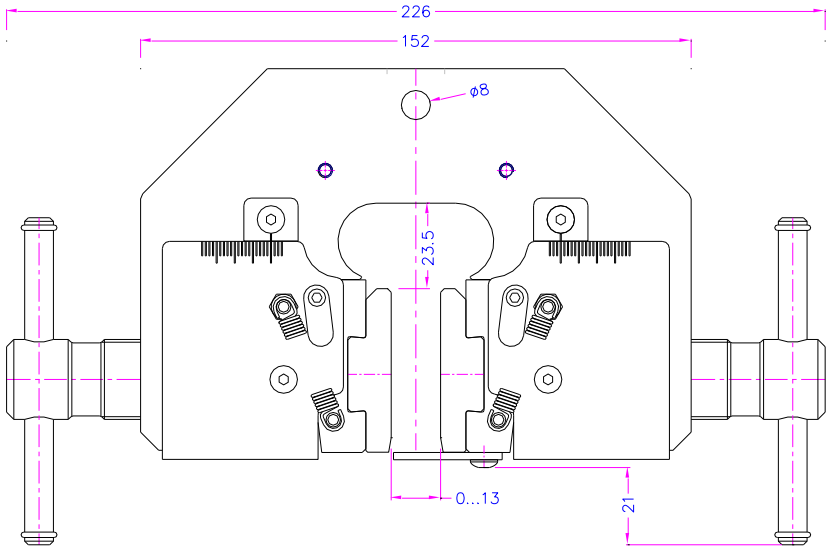
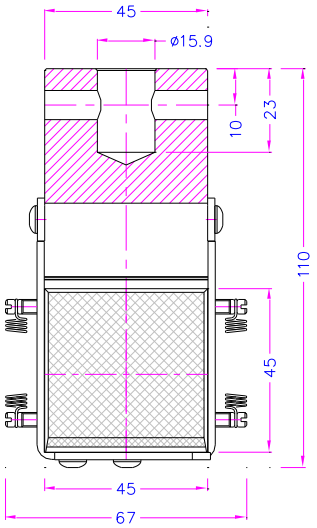
SCREW ACTION WEDGE GRIP

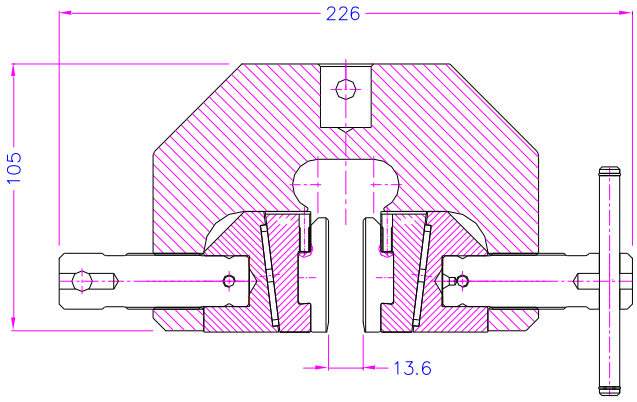
A combination of a screw action with a wedge grip brings the advantages of both principles to bear.
The specimen is pre-tensioned by the screw movement.
Under tensile load the clamping force increases due to the wedge effect.
Perfect for testing difficult materials.
Asymmetric clamping for shear tests possible.

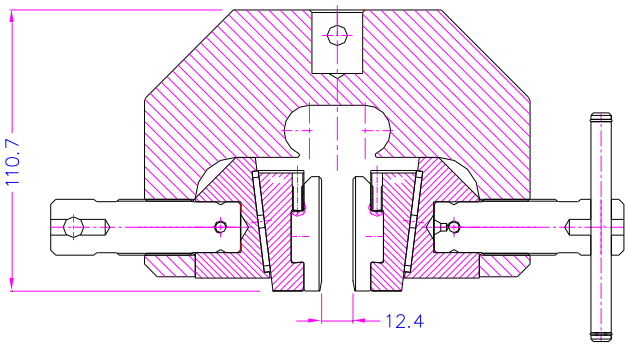


Item no.:	**THS127-10**
Max. load:	10 kN
Coupling:	Af159. Further couplings on request
Opening:	See page 3
Body:	Steel, nickel-plated
Jaws:	Steel, hardened, nickel-plated
Temperature range:	-70°C … +180°C Further temperature ranges on request
Weight:	5.2 kg per grip incl. jaws
Scope of supply:	1 pair of grips without jaws



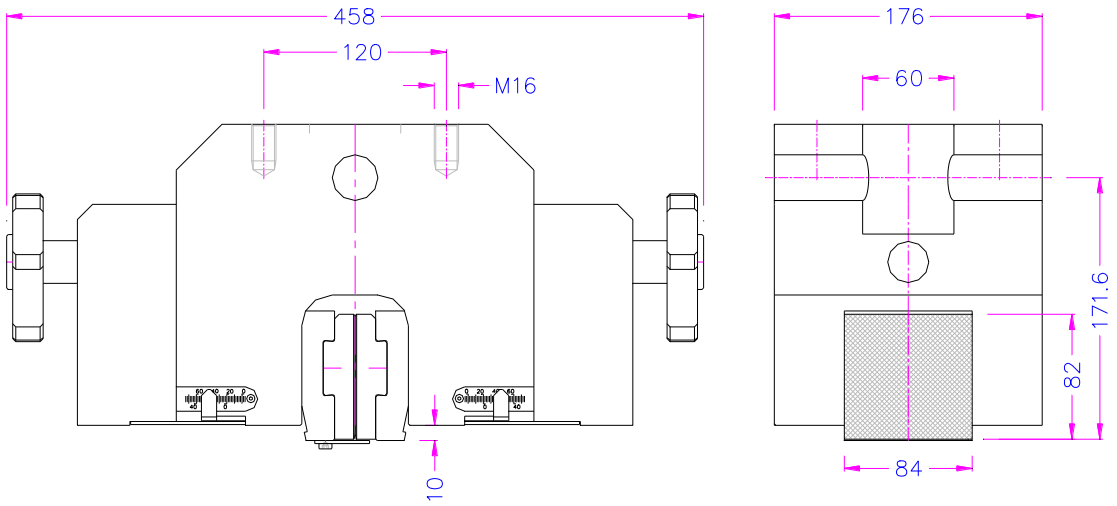




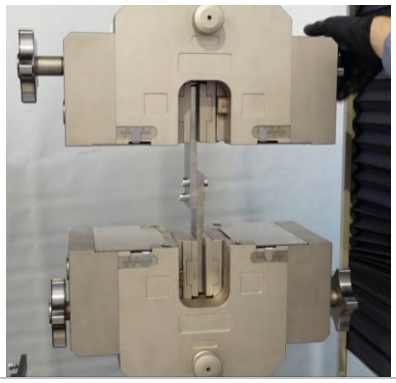


Item no.:	THS127-250
Max. load:	250 kN
Coupling:	Af60. Further couplings on request
Opening:	See page 3
Body:	Steel, nickel-plated
Jaws:	Steel, hardened, nickel-plated
Temperature range:	-70°C … +180°C Further temperature ranges on request
Weight:	76.6 kg per grip incl. jaws
Scope of supply:	1 pair of grips without jaws

With a main shaft, both jaws are moved symmetrically at the same time and pre-tension the test specimen.
If necessary, the connection can be disengaged to enable asymmetrical clamping, e.g. for shear tests.



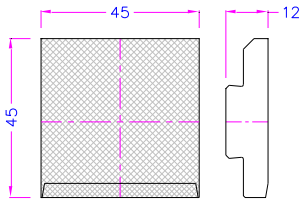
Video



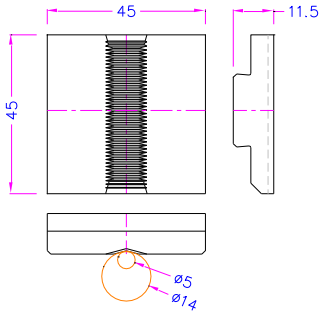
https://youtu.be/hQIfz0JNbtg

Jaws for THS127-10 Scope of delivery: 1 set = 4 jaws

Item no.:	Surface:	Clamping surface HxW:	Opening:
THS127-10-EBP13	Pyramid (serrated) jaws	45 x 45 mm	0 – 13 mm
THS127-10-EBV14	V-jaws	45 mm clamping height	5 – 14 mm

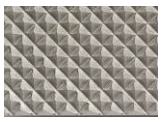


THS127–10–EBP13 >> 0–13mm



THS127–10–EBV14 >> D5–14mm

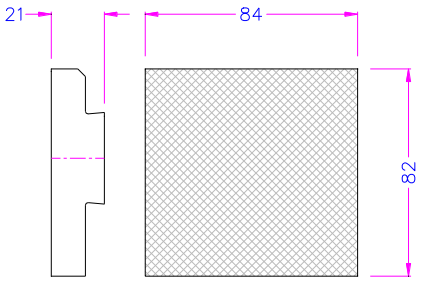
Pyramid jaws
- For flat samples
- Pyramids 1.2 mm x 45°
- Hardened steel 58 HRC
- Nickel-plated



V-jaws
- For round samples
- Tooth pitch 1.2 mm
- Hardened steel 58 HRC
- Nickel-plated

Jaws for THS127-250 Scope of delivery: 1 set = 4 jaws

Item no.:	Surface:	Clamping surface HxW:	Opening:
THS127-250-EBP32	Pyramid (serrated) jaws	82 x 84 mm	0 – 32 mm



29.06.2026OI