Pneumatic Grip

TA149 – 2.2kN

TA149 Pneumatic Grip
2.2 kN

Symmetric clamping action. Dual-action for self-centring of the specimen which allows its quick and easy loading.

Each grip is supplied with a specimen alignment device, which can be mounted directly on the jaws.

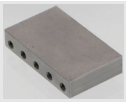
Ordering Information
TA149 are supplied in pairs
Can also be ordered as single grip (0.5 pair)
Jaws need to be ordered separately



TA149

TA149 + TA205-4-1/8“ (optional)

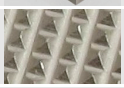
Item number	TA149
Clamping force	2.2 kN / 7 bar - max 5 kN / 16 bar
Stroke	6 mm
Temperature range	0°C … +70°C (Further temperature ranges on request (max. +180°C)
Body	Aluminium, anodized
Pneumatic connection	Internal thread coupling 1/8“
Weight	1.21kg each grip (without jaws)



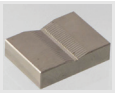
Blank jaws
- Suitable for own further treatments
- Steel-blanks without coating



Rubber-coated jaws
- 1 mm rubber coating (NBR)
- Nickel-plated



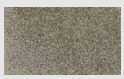
Pyramid (serrated) jaws
- Pyramids 1.2x45
- Hardened steel 58HRC
- Nickel-plated



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



Wave jaws
- For flexible materials
- Wave 5 mm
- Hardened steel 58HRC
- Nickel-plated



Diamond-coated jaws
- Clamping surface coated with synthetic diamonds
- Nickel-plated

Jaws for TA149: Scope of delivery 1 set = 4 jaws

Item No.	Surface	Clamping surface H x W	Opening w/ TA149-Z6 rod	Opening w/ TA149-Z11 rod	Weight per pair
TA149-B	Blank jaws	30 x 50mm	0 – 7mm*	4 – 11 mm*	0.22 kg
TA149-BG	Rubber-coated jaws	30 x 50mm	0 – 5mm*	2 – 9 mm*	0.22 kg
TA149-BP	Pyramid (serrated) jaws	30 x 50mm	0 – 7mm*	4 – 11 mm*	0.22 kg
TA149-BV	V-jaws	Height 30 mm	4 – 7mm Ø*	7 – 11 mm Ø*	0.18 kg
TA149-BW	Wave jaws	30 x 50mm	0 – 7mm*	4 – 11 mm*	0.20 kg
TA149-BD	Diamond-coated jaws	30 x 50mm	0 – 7mm*	4 – 11 mm*	0.22 kg

* Jaws with other dimensions and surface coatings are also available on request

* TA149-Z6 and TA149-Z11 rods are included in the price of the grips

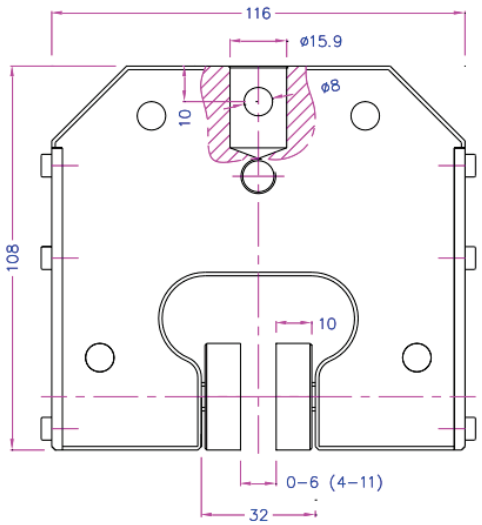
Insert Jaws for TA149: Scope of delivery 1 set = 4 jaws
For a quick insert jaw change, a carrier is needed (TA149-GT)

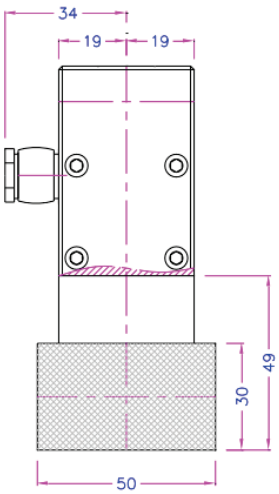
Item No.	Surface	Clamping surface H x W	Opening w/ TA149-Z6 rod	Opening w/ TA149-Z11 rod	Weight per pair
TA149-GT	Carrier				0.12 kg
TA149-EB	Blank insert jaws	30 x 50mm	0 – 4mm	4 – 9 mm	0.14 kg
TA149-EBG	Rubber insert jaws	30 x 50mm	0 – 2 mm	2 – 7 mm	0.14 kg
TA149-BP	Pyramid (serrated) jaws	30 x 50mm	0 – 4mm	4 – 9 mm	0.13 kg
TA149-BV	V-jaws	Height 30 mm	3 – 4mm Ø	4 – 9 mm Ø	0.13 kg
TA149-BW	Wave jaws	30 x 50mm	0 – 4mm	4 – 9 mm	0.12 kg
TA149-BD	Diamond-coated jaws	30 x 50mm	0 – 4mm	4 – 9 mm	0.14 kg

* TA149-Z6 and TA149-Z11 rods are included in the price of the grips

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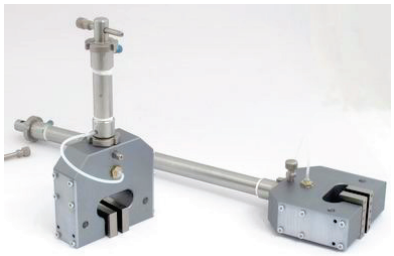


TH149–Z6 0–6 mm



TH149–Z11 4–11 mm

Examples for Customized Solutions



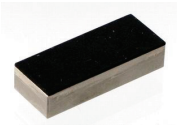
TA149+V+2R



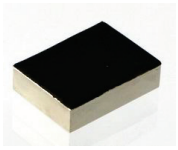
TA149+V+2R



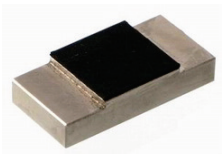
TAS521-158-300 Pull rod 300 mm long



TA149-BG20x50
Height 20 mm x Width 50 mm



TA149-BG30x40
Height 30 mm x Width 40mm



TA149-BG25x25
Height x Width 25 mm



TA149-BP30x25-0.7x45
Height 30mm x Width 200 mm – small pyramids 0.7x45



TH149-BWC
Wave jaws with cooling hole ASTM-D4073 and ASTM-D5147