

## TH149 Pneumatic grip 2.4 kN

Symmetric clamping. 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

TH149 are supplied in pairs, but can also be ordered as single grip (0.5 pair).  
Jaw faces need to be ordered separately.



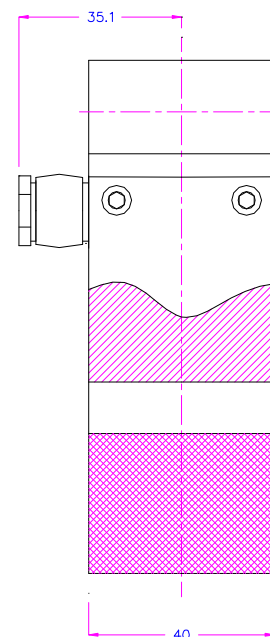
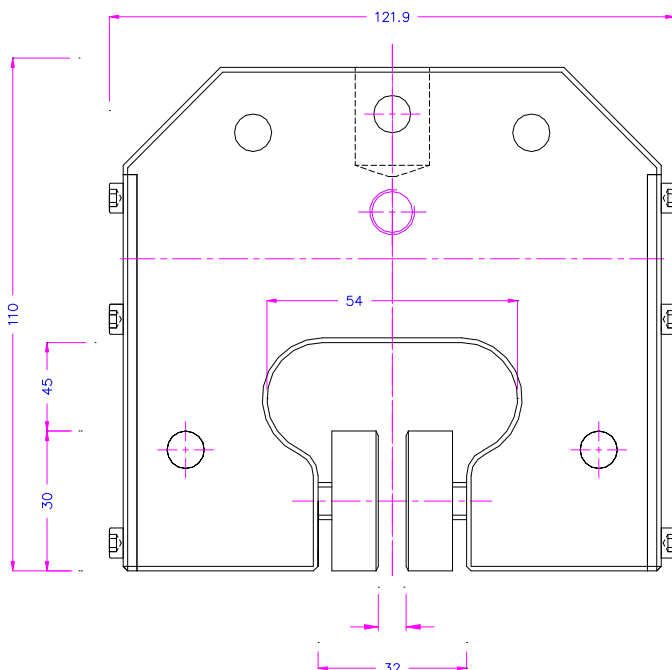
Item number	TH149
Clamping force	2.4 kN at 7bar
Temperature range	0°C - +70°C Other temperature ranges on request
Body	Aluminium
Pneumatic connection	Internal thread coupling 1/8"
Weight	1.21kg each grip (without jaws)

### Jaws for TH149: Scope of delivery 1 set = 4 jaws

Item No.	Surface	Clamping surface H x W	Opening	Weight per pair
TH149-B	Blank jaws	30 x 50mm	0 – 7mm*	0.22kg
TH149-BG	Rubber jaws	30 x 50mm	0 – 5mm*	0.22kg
TH149-BP	Pyramid jaws	30 x 50mm	0 – 7mm*	0.22kg
TH149-BV	V-jaws	30 x 40mm	4 – 7mm Ø*	0.18kg
TH149-BW	Wave jaws	30 x 50mm	0 – 7mm*	0.20kg
TH149-BD	Diamond jaws	30 x 50mm	0 – 7mm*	0.22kg

\* Other opening widths (up to 12 mm) and jaw faces with differing dimensions and surface coatings are also available on request

	<b>Blank jaws</b> • Suitable for own further treatments • Steel-blanks without coating
	<b>Rubber jaws</b> • 1 mm rubber coating (NBR) • Nickel-plated
	<b>Pyramid jaws</b> • Pyramids 1.2x45 • Hardened steel 58HRC • Nickel-plated
	<b>V-jaws</b> • For all kinds of round samples • Tooth pitch 1.2 mm • Hardened steel 58HRC • Nickel-plated
	<b>Wave jaws</b> • For flexible materials • Wave 5 mm • Hardened steel 58HRC • Nickel-plated
	<b>Diamond jaws</b> • Clamping surface coated with synthetic diamonds • Nickel-plated

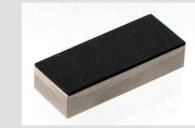


## Examples for special requirements solutions



TH149+V+2R

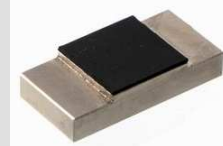
TH149+V+2R



TH149-BG20x50  
Height 20 mm x Width 50 mm



TH149-BG30x40  
Height 30 mm x Width 40mm



TH149-BG25x25  
Height x Width 25 mm



TH149-BP30x25-0.7x45  
Height 30mm x Width 200 mm – small pyramids 0.7x45



TH149-GT  
Inset jaws carrier



TH149-EBP  
Pyramid inset jaws

## Accessories:



### TH205-1 Foot pedals

None locking: The jaws of the grip open by pressing the foot pedal and close after removing the foot from the pedal.

Scope of delivery: 1 pair of foot switches including tubes and fittings



### TH205-2 Foot pedals

With locking function: The jaws of the grip open by pressing the foot pedal and remain opened after removing the foot from the pedal. The jaws close by pressing the pedal one more time.

Scope of delivery: 1 pair of foot switches including tubes and fittings



### TH205-.+PR Pressure regulator

Optional for TH205-1 or TH205-2

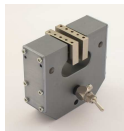
To adjust air pressure: 1-10 bar



### TH205-3 Hand switches

With locking function: The jaws of the grip close by pulling the handle and remain closed. The jaws open by pushing the handle back.

Scope of delivery: 1 unit of hand switches including tubes and fittings



### TH205-4 Hand switches

With locking function (see TH205-3)

The hand switches are directly mounted at the grips. 3/2 directional valve

Scope of supply: 2 hand switches including tubes and fittings



### TH216 Compressor for laboratories, oil-lubricated

Max pressure 16 bar, 230V, noise level: 38dB(A)/1m

Displacement 5 l/min, tank size 3.1 litre (0.82 gallon)

Dimensions: 340x290x340 mm (L x W x H); weight 16 kg

Different voltages available on request