

# Hand Installation Pincers (HIP)

HIP 4000 | 619, HIP 4000 | 620



Simple and space efficient installation of Low Profile Reusable Clamps 268

## Benefits

- **Reliable installation:** using specifically engineered Oetiker hand tools
- **Economic solution:** cost effective tool for low volume serial production
- **Low overhead:** reliable installation without expensive infrastructure
- **Ergonomic grips and center handle:** safe and user-friendly clamp closure



Pincer for Low Profile Reuseable Clamps 268  
HIP 4000 | 619



Pincer for Low Profile Reuseable Clamps 268  
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## TECHNICAL DATA OVERVIEW

### Pincer for Low Profile Reuseable Clamps 268

Model No.	HIP 4000   619
Item No.	14100619

#### Dimensions:

Length	325 mm
Width	61 mm
Height	24 mm
Weight	650 g
Jaw width	9.6 mm
Closing gap	10.7 mm
Opening gap	28.5 mm
Applicable Clamps	PG268 Ø22.5 - 31.0 mm

### Pincer for Low Profile Reuseable Clamps 268

Model No.	HIP 4000   620
Item No.	14100620

#### Dimensions:

Length	335 mm
Width	51 mm
Height	24 mm
Weight	650 g
Jaw width	9.6 mm
Closing gap	13.7 mm
Opening gap	34.9 mm
Applicable Clamps	PG268 Ø31.1 - 41.0 mm

APPLICABLE

Product Group	Size (mm)	Closing Force Max. (N)	Diameter Reduction (mm)	Assembly tools:	
				Pincer for Reuseable Low Profile Clamps 268 HIP 4000   619	Pincer for Reuseable Low Profile Clamps 268 HIP 4000   620
268	22.5 – 31.0	3500	3.8	14100619	-
268	31.1 – 41.0	4500	6.2	-	14100620

**Compound Action Tools**

The compound action mechanism increases the mechanical advantage as the handles are closed, thus providing for higher clamping forces when needed most.

A center handle attached to one of the two handles is used to reduce the wide handle span at the beginning of the tool stroke, and folds away conveniently as the handles are brought together.

**Pincer for Reusable Low Profile Clamps 268**

Jaws are specifically designed to engage with the hook geometry of the Reusable Low Profile Clamps 268.

The ability to manually generate over 4000 N of closing force allows the user to take full advantage of the high radial loads which can be achieved with the Reusable Low Profile Clamps 268.

## INSTRUCTION GUIDE

Refer to respective clamp Technical Data Sheets for clamp sizing and further assembly details.

### Assembly Instructions



Center handle effectively increases the hand spread for easier handling at beginning of stroke

**Note:** To avoid over-stretching of the clamp, the jaws should only be closed until the load retaining hook is engaged.



**1.** Adjust the pincer jaws so that they can fully cover the tensing hooks of the open clamp.



**2.** Position the pincer jaws onto the tensing hooks of the clamp.



**3.** Close the pincer jaws to reduce the clamp diameter until the internal cavity of the tensing hook on the overlapping band fully engages in the load retaining hook.



**4.** The tool can be removed once the pincer jaws are open.

## INSTRUCTION GUIDE

### Disassembly Instructions



For disassembly, we recommend using a commonly available water pump plier.



**1.** Adjust the jaws so that they are completely closed when the handles are closed.



**2.** Position the plier jaws onto the release hooks.



**3.** Close the pliers until the load retaining hook disengages. In general, the band end leaps up automatically and the clamp remains disengaged. Release and remove the pliers.



**4.** In cases where the band end does not leap up automatically, lift the band end carefully in a radial direction. Release and remove the pliers.