

# Pneumatic Pincer

## Oetiker ME

Recommended for Oetiker Clamps and Rings

### Benefits

- High process reliability
- Reliable assembly
- Customizable heads
- Easy handling
- Broad applicability



**High process reliability:** release mechanism designed to prevent misoperation

**Reliable assembly:** complete pincer system ensures efficient & uniform assembly

**Easy handling:** lightweight and ergonomic design for one-handed operation

**Broad applicability:** full range of pincer heads for compatibility to all standard clamps

**Customizable heads:** different pincer head designs according to application

## FEATURES



## Oetiker ME

## TECHNICAL DATA OVERVIEW

| Pincer type | Weight  |
|-------------|---------|
| HO 2000 ME  | 0.90 kg |
| HO 3000 ME  | 1.00 kg |
| HO 4000 ME  | 1.10 kg |
| HO 5000 ME  | 1.65 kg |
| HO 7000 ME  | 1.90 kg |

Working pressure: 5 to 6 bar.

The working pressure is in direct relation to the closing force.

The higher the inlet pressure, the higher the closing force.

Compressed air connection: Internal thread G ¼

## PRODUCT DESCRIPTION

This high-quality, complete pincer system ensures the uniform assembly of Oetiker clamps. The selection of the correct pincer body and head is determined by the type of Oetiker clamp to be assembled, the optimum closing force and the air supply pressure that is available.

To obtain the optimum closing force, please refer to the technical information for the product being assembled and take into account the availability of special pincer heads.

## SCOPE OF SUPPLY

### Pneumatic Pincer Oetiker ME

- Oetiker ME with pincer head
- Compressed air connection set (incl. filter/water separator)
- Operating instruction

### Optional

Pistol Grip Retrofit Kit for Oetiker Pneumatic Pincers  
HO 2000 / 3000 / 4000 / 5000 ME



|                                                       | Individual order No. |
|-------------------------------------------------------|----------------------|
| Pistol Grip Retrofit Kit<br>HO 2000/ HO 3000/ HO 4000 | 13901300             |
| Pistol Grip Retrofit Kit<br>HO 5000                   | 13901448             |

**Oetiker ME without pincer heads**

|            | Pincer complete | Pincer complete with pistol grip |
|------------|-----------------|----------------------------------|
| HO 2000 ME | <b>13900226</b> | <b>13901301</b>                  |
| HO 3000 ME | <b>13900227</b> | <b>13901302</b>                  |
| HO 4000 ME | <b>13900228</b> | <b>13901303</b>                  |
| HO 5000 ME | <b>13900229</b> | <b>13901451</b>                  |
| HO 7000 ME | <b>13900230</b> | –                                |

**Oetiker ME with pincer heads**

|                     |                 |                 |                 |                 |                 |                 |                 |                 |
|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Jaw width (mm)      | 5.5             | 7.5             | 7.5             | 10.2            | 10.2            | 10.5            | 10.5            | 14.5            |
| Open gap (mm)       | 8.6             | 11.6            | 13.2            | 13.2            | 16.2            | 13.7            | 16.6            | 16.6            |
| For ear width* (mm) | </= 7           | 8.0             | 10.0            | 10.0            | 13.0            | 10.0            | 13.0            | 13.0            |
| Item No.            | <b>13900158</b> | <b>13900154</b> | <b>13900150</b> | <b>13900138</b> | <b>13900142</b> | <b>13900113</b> | <b>13900114</b> | <b>13900543</b> |
| Replacement-jaw kit | <b>13900166</b> | <b>13900167</b> | <b>13900168</b> | <b>13900163</b> | <b>13900170</b> | <b>13900164</b> | <b>13900165</b> | <b>13900545</b> |

**HO 2000 ME**

|                                  |                 |                 |                 |                 |   |   |   |   |
|----------------------------------|-----------------|-----------------|-----------------|-----------------|---|---|---|---|
| Pincer complete                  | <b>13900173</b> | <b>13900174</b> | <b>13900176</b> | <b>13900182</b> | – | – | – | – |
| Pincer complete with pistol grip | <b>13900930</b> | <b>13900931</b> | <b>13900932</b> | <b>13900934</b> | – | – | – | – |

**HO 3000 ME**

|                                  |   |                 |                 |                 |                 |                 |   |   |
|----------------------------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|---|---|
| Pincer complete                  | – | <b>13900175</b> | <b>13900177</b> | <b>13900183</b> | <b>13900185</b> | –               | – | – |
| Pincer complete with pistol grip | – | <b>13900935</b> | <b>13900936</b> | <b>13900938</b> | <b>13900939</b> | <b>13901302</b> | – | – |

**HO 4000 ME**

|                                  |   |   |   |                 |                 |   |   |   |
|----------------------------------|---|---|---|-----------------|-----------------|---|---|---|
| Pincer complete                  | – | – | – | <b>13900184</b> | <b>13900186</b> | – | – | – |
| Pincer complete with pistol grip | – | – | – | <b>13900940</b> | <b>13900941</b> | – | – | – |

**HO 5000 ME**

|                                  |   |   |   |   |   |                 |                 |                 |
|----------------------------------|---|---|---|---|---|-----------------|-----------------|-----------------|
| Pincer complete                  | – | – | – | – | – | <b>13900161</b> | <b>13900162</b> | <b>13900548</b> |
| Pincer complete with pistol grip | – | – | – | – | – | <b>13901449</b> | <b>13901450</b> | –               |

**HO 7000 ME**

|                 |   |   |   |   |   |                 |                 |                 |
|-----------------|---|---|---|---|---|-----------------|-----------------|-----------------|
| Pincer complete | – | – | – | – | – | <b>13900171</b> | <b>13900172</b> | <b>13900546</b> |
|-----------------|---|---|---|---|---|-----------------|-----------------|-----------------|

Replacement jaw kit = left and right pincer jaws complete with all necessary parts. The jaw width must be at least 0.5 mm wider than the band used for the clamps to be installed. The opening gap should be wide enough for the largest ear.

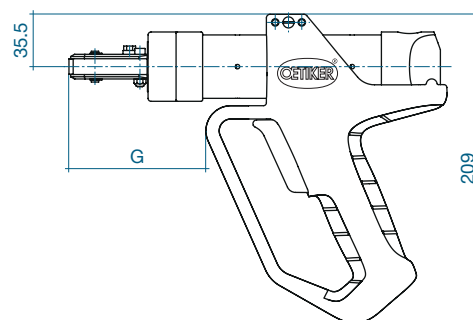
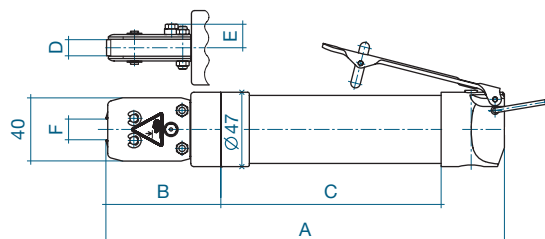
Rights to make technical changes in the interests of further development reserved.

\*measured inside

## TECHNICAL DATA

### HO 2000 ME, HO 3000 ME, HO 4000 ME

### Pincer complete with pistol grip



#### Pincer heads

|                     |         |     |      |      |      |
|---------------------|---------|-----|------|------|------|
| Jaw width D (mm)    | 5.5     | 7.5 | 7.5  | 10.2 | 10.2 |
| For ear width* (mm) | </= 7.0 | 8.0 | 10.0 | 10.0 | 13.0 |

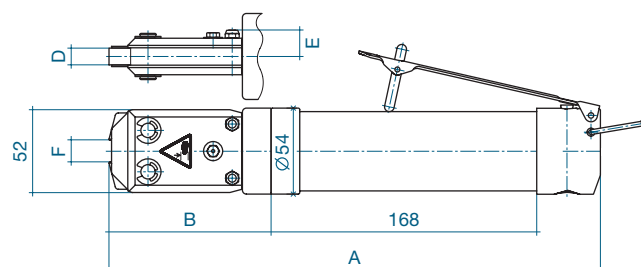
#### Type of pincer

|                            |        |       |       |       |       |       |
|----------------------------|--------|-------|-------|-------|-------|-------|
| HO 2000 ME                 | A (mm) | 214.0 | 213.0 | 213.0 | 213.0 | –     |
|                            | B (mm) | 74.0  | 73.0  | 73.0  | 73.0  | –     |
|                            | C (mm) | 101.0 | 101.0 | 101.0 | 101.0 | –     |
|                            | D (mm) | 5.5   | 7.5   | 7.5   | 10.2  | –     |
|                            | E (mm) | 12.3  | 13.3  | 13.3  | 14.9  | –     |
|                            | F (mm) | 8.6   | 11.6  | 13.2  | 13.2  | –     |
| Pistol Grip for HO 2000 ME | G (mm) | 55.0  | 54.0  | 54.0  | 54.0  | –     |
| HO 3000 ME                 | A (mm) | –     | 252.0 | 252.0 | 252.0 | 257.0 |
|                            | B (mm) | –     | 73.0  | 73.0  | 73.0  | 78.0  |
|                            | C (mm) | –     | 140.0 | 140.0 | 140.0 | 140.0 |
|                            | D (mm) | –     | 7.5   | 7.5   | 10.2  | 10.2  |
|                            | E (mm) | –     | 13.3  | 13.3  | 14.9  | 14.9  |
|                            | F (mm) | –     | 11.6  | 13.2  | 13.2  | 16.2  |
| Pistol Grip for HO 3000 ME | G (mm) | –     | 93.0  | 93.0  | 93.0  | 98.0  |
| HO 4000 ME                 | A (mm) | –     | –     | 291.0 | 291.0 | 296.0 |
|                            | B (mm) | –     | –     | 73.0  | 73.0  | 78.0  |
|                            | C (mm) | –     | –     | 179.0 | 179.0 | 179.0 |
|                            | D (mm) | –     | –     | 7.5   | 10.2  | 10.2  |
|                            | E (mm) | –     | –     | 13.3  | 14.9  | 14.9  |
|                            | F (mm) | –     | –     | 13.2  | 13.2  | 16.2  |
| Pistol Grip for HO 4000 ME | G (mm) | –     | –     | –     | 132.0 | 137.0 |

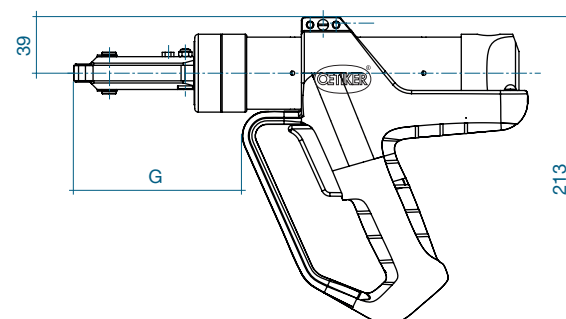
\*measured inside

## TECHNICAL DATA

### HO 5000 ME



### Pincer complete with pistol grip



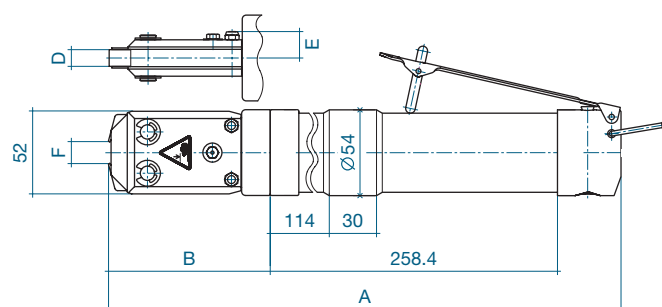
#### Pincer heads

|                     |      |      |      |
|---------------------|------|------|------|
| Jaw width D (mm)    | 10.5 | 10.5 | 14.5 |
| For ear width* (mm) | 10.0 | 13.0 | 13.0 |

#### Type of pincer

|             |        |       |       |       |
|-------------|--------|-------|-------|-------|
| HO 5000 ME  | A (mm) | 309.0 | 314.0 | 314.0 |
|             | B (mm) | 102.0 | 107.0 | 107.0 |
|             | E (mm) | 16.6  | 16.6  | 18.6  |
|             | F (mm) | 13.7  | 16.6  | 16.6  |
| Pistol grip | G (mm) | 117.0 | 122.0 | 122.0 |

### HO 7000 ME



#### Pincer heads

|                     |      |      |      |
|---------------------|------|------|------|
| Jaw width D (mm)    | 10.5 | 10.5 | 14.5 |
| For ear width* (mm) | 10.0 | 13.0 | 13.0 |

#### Type of pincer

|            |        |       |       |       |
|------------|--------|-------|-------|-------|
| HO 7000 ME | A (mm) | 400.0 | 405.0 | 405.0 |
|            | B (mm) | 102.0 | 107.0 | 107.0 |
|            | E (mm) | 16.6  | 16.6  | 18.6  |
|            | F (mm) | 13.7  | 16.6  | 16.6  |

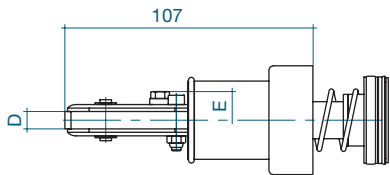
\*measured inside

## SPECIAL PINCER HEADS FOR OETIKER ME – INSTALLATION OF OETIKER EAR CLAMPS

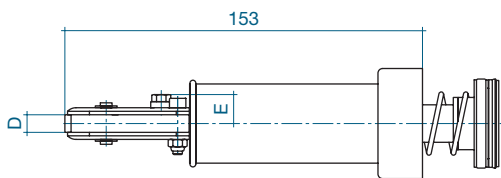
### Pincer head with extended holders

Different extensions allow to reach areas where access is restricted. Compatible with pincer types HO 2000 to HO 4000.

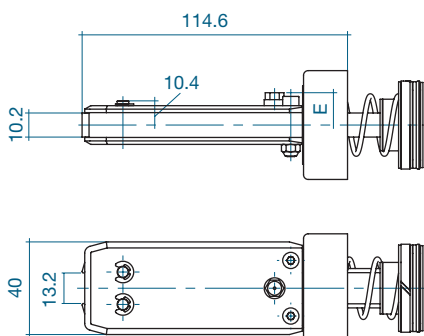
#### Extension 34.5 mm



#### Extension 80 mm



#### Extension 42 mm, narrow



### Selection of pincer heads

The jaw width must be at least 0.5 mm wider than the band used for the clamps to be installed. The opening gap should be wide enough for the largest ear.

#### Pincer heads

|                     |          |      |      |
|---------------------|----------|------|------|
| Jaw width D (mm)    | 5.5      | 7.5  | 10.2 |
| Open gap (mm)       | 8.6      | 13.2 | 13.2 |
| Height E (mm)       | 11.0     | 12.0 | 14.0 |
| For ear width* (mm) | $\leq 7$ | 10.0 | 10.0 |

#### Type of pincer (34.5 mm)

|                            |                 |                 |                 |
|----------------------------|-----------------|-----------------|-----------------|
| HO ME Pincer head complete | <b>13900272</b> | <b>13900274</b> | <b>13900276</b> |
| Replacement-jaw kit        | <b>13900166</b> | <b>13900168</b> | <b>13900163</b> |

#### Type of pincer (80 mm)

|                            |                 |                 |                 |
|----------------------------|-----------------|-----------------|-----------------|
| HO ME Pincer head complete | <b>13900278</b> | <b>13900280</b> | <b>13900282</b> |
| Replacement-jaw kit        | <b>13900166</b> | <b>13900168</b> | <b>13900163</b> |

#### Pincer heads

|                     |      |
|---------------------|------|
| Jaw width D (mm)    | 10.2 |
| Open gap (mm)       | 13.2 |
| Height E (mm)       | 14.0 |
| For ear width* (mm) | 10.0 |

#### Type of pincer

|                            |                 |
|----------------------------|-----------------|
| HO ME Pincer head complete | <b>13900801</b> |
| Replacement-jaw kit        | <b>13900163</b> |

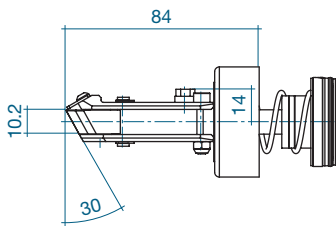
\* measured inside

**Pneumatic Pincer Oetiker ME**

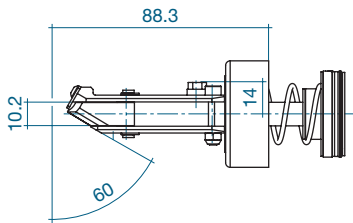
**Pincer head with with angled jaws**

Specially for installing ear clamps where access is restricted.  
Suitable for ear clamps with 7 mm and 9 mm band widths.  
Compatible with pincer types HO 2000 to HO 4000.

**Jaws angled at 30°**



**Jaws angled at 60°**



**Pincer heads (30° and 60°)**

|                     |      |
|---------------------|------|
| Jaw width (mm)      | 10.2 |
| Open gap (mm)       | 13.2 |
| For ear width* (mm) | 10.0 |

**Type of pincer (30°)**

|                            |                 |
|----------------------------|-----------------|
| HO ME Pincer head complete | <b>13900706</b> |
| Replacement-jaw kit        | <b>13900708</b> |

**Type of pincer (60°)**

|                            |                 |
|----------------------------|-----------------|
| HO ME Pincer head complete | <b>13900694</b> |
| Replacement-jaw kit        | <b>13900695</b> |

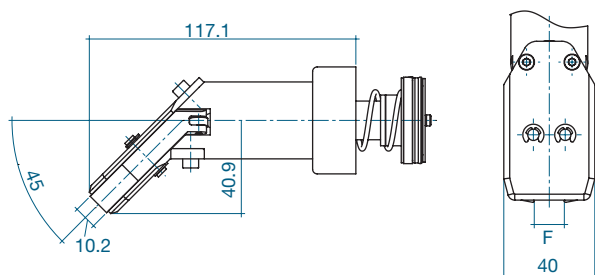
\* measured inside



## SPECIAL Pincer HEADS FOR OETIKER ME – INSTALLATION OF OETIKER EAR CLAMPS

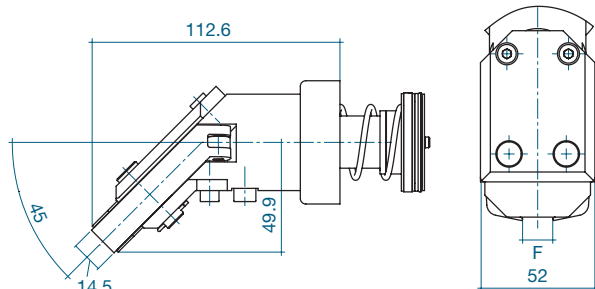
### Jaws angled at 45°

Compatible with pincer types HO 2000 to HO 4000.



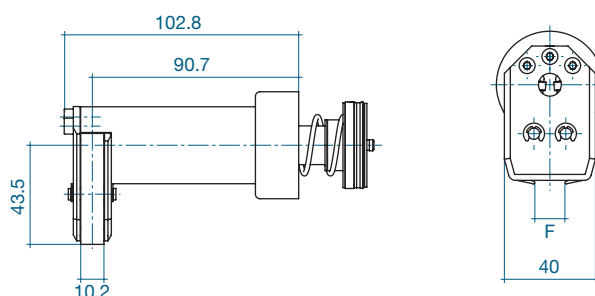
### Jaws angled at 45°

Compatible with pincer types HO 5000 and HO 7000.



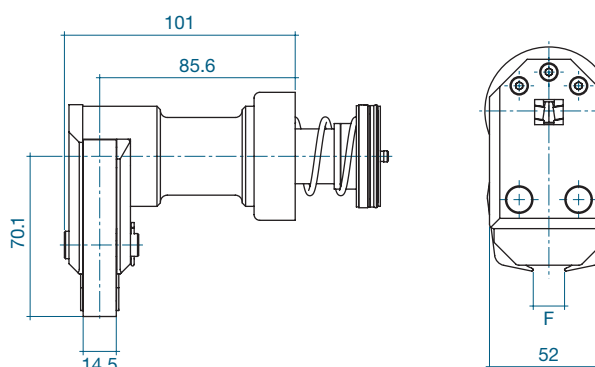
### Jaws angled at 90°

Compatible with pincer types HO 2000 to HO 4000.



### Jaws angled at 90°

Compatible with pincer types HO 5000 and HO 7000.



### Pincer heads 45°

|                     |      |      |
|---------------------|------|------|
| Jaw width (mm)      | 10.2 | 10.2 |
| Open gap F (mm)     | 13.2 | 16.2 |
| For ear width* (mm) | 10.0 | 13.0 |

### Type of pincer

|                            |                 |                 |
|----------------------------|-----------------|-----------------|
| HO ME Pincer head complete | <b>13901271</b> | <b>13900775</b> |
| Replacement-jaw kit        | <b>13900777</b> | <b>13900777</b> |

### Pincer heads 45°

|                     |      |      |
|---------------------|------|------|
| Jaw width (mm)      | 14.5 | 14.5 |
| Open gap F (mm)     | 13.7 | 16.6 |
| For ear width* (mm) | 10.0 | 13.0 |

### Type of pincer

|                            |                 |                 |
|----------------------------|-----------------|-----------------|
| HO ME Pincer head complete | <b>13900784</b> | <b>13900782</b> |
| Replacement-jaw kit        | <b>13900785</b> | <b>13900785</b> |

### Pincer heads 90°

|                     |      |      |
|---------------------|------|------|
| Jaw width (mm)      | 10.2 | 10.2 |
| Open gap F (mm)     | 13.2 | 16.2 |
| For ear width* (mm) | 10.0 | 13.0 |

### Type of pincer

|                            |                 |                 |
|----------------------------|-----------------|-----------------|
| HO ME Pincer head complete | <b>13900781</b> | <b>13900778</b> |
| Replacement-jaw kit        | <b>13900780</b> | <b>13900780</b> |

### Pincer heads 90°

|                     |      |      |
|---------------------|------|------|
| Jaw width (mm)      | 14.5 | 14.5 |
| Open gap F (mm)     | 13.7 | 16.6 |
| For ear width* (mm) | 10.0 | 13.0 |

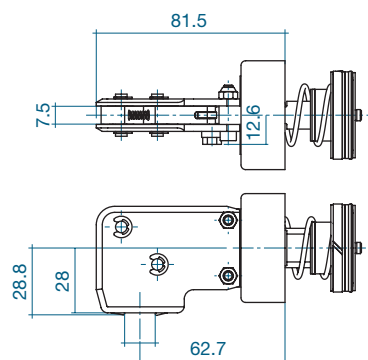
### Type of pincer

|                            |                 |                 |
|----------------------------|-----------------|-----------------|
| HO ME Pincer head complete | <b>13900788</b> | <b>13900786</b> |
| Replacement-jaw kit        | <b>13900789</b> | <b>13900789</b> |

\* measured inside

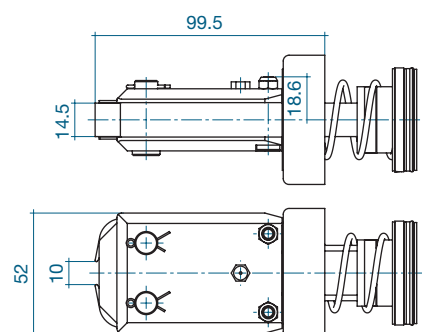
### 90° lengthwise

Compatible with pincer types HO 2000 to HO 4000.



### Pincer Head for 1-Ear Clamp with stud

Pincer head for installation of 1-Ear Clamp with stud, band width 14 mm. Compatible with pincer types HO 5000 and HO 7000.



### Pincer heads 90° lengthwise

|                     |      |      |
|---------------------|------|------|
| Jaw width (mm)      | 7.5  | 7.5  |
| Open gap F (mm)     | 13.2 | 16.2 |
| For ear width* (mm) | 10.0 | 13.0 |

### Type of pincer

|                            |                 |                 |
|----------------------------|-----------------|-----------------|
| HO ME Pincer head complete | <b>13901280</b> | <b>13901282</b> |
| Replacement-jaw kit        | <b>13901284</b> | <b>13901284</b> |

### Pincer heads

|                     |       |
|---------------------|-------|
| Jaw width (mm)      | 14.5  |
| Open gap (mm)       | 10.0  |
| For ear width* (mm) | ≤ 5.5 |

### Type of pincer

|                            |                 |
|----------------------------|-----------------|
| HO ME Pincer head complete | <b>13900773</b> |
| Replacement-jaw kit        | <b>13900771</b> |

\* measured inside

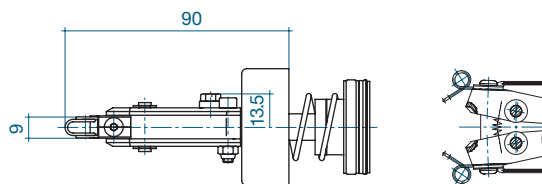
## SPECIAL Pincer HEADS FOR OETIKER ME – INSTALLATION OF OETIKER STEPLESS® LOW PROFILE CLAMPS

All Oetiker StepLess® Low Profile Clamps have unique head requirements and are specific to the product group designation and type.

When using Oetiker ME pneumatic pincers, it is essential to use a throttle valve for adjusting the closing speed.

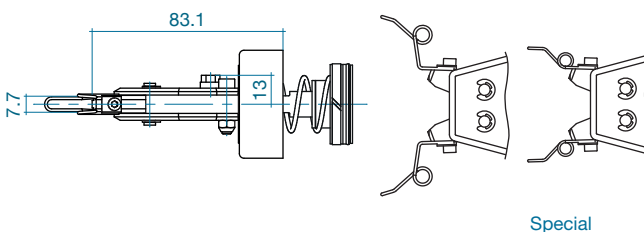
### Pincer heads for installing reusable StepLess® Low Profile Clamps – Product Group 168 (RWV)

The hold-down springs fitted to both jaws make closure easier and improve handling. Compatible with pincer types HO 2000 to HO 4000.



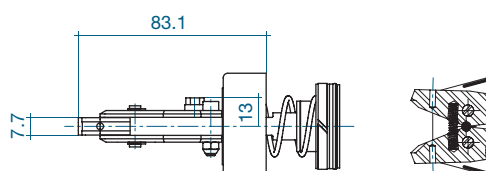
### Pincer heads for installing StepLess® Low Profile Clamps – Product Group 168

The optional hold-down springs improve handling, especially for production-line applications. Can be used for standard clamps from 40 mm (or approx. 19.5 mm for special types). Can be used for clamps 7 mm, 9 mm and 10 mm wide. Compatible with pincer types HO 3000 and HO 4000.



### Pincer heads for installing StepLess® Low Profile Clamps with tolerance compensation – Product Group 168

The optional hold-down springs improve handling, especially for production-line applications. Can be used for standard clamps from 40 mm (or approx. 19.5 mm for special types). Can be used for clamps 7 mm, 9 mm and 10 mm wide. Compatible with pincer types HO 3000 and HO 4000.



Oetiker recommends the use of appropriate calibration equipment and techniques to ensure that the closing force is achieved.

#### Pincer heads

|                |     |
|----------------|-----|
| Jaw width (mm) | 9.0 |
|----------------|-----|

#### Type of pincer

|                                                |                 |
|------------------------------------------------|-----------------|
| HO ME Pincer head complete                     | <b>13900257</b> |
| Replacement-jaw kit                            | <b>13900295</b> |
| Spring accessory                               | <b>13900302</b> |
| Calibration adaptor                            | <b>13900862</b> |
| One-way flow control valve (plug DN6)          | <b>13900636</b> |
| One-way flow control valve (adaptor for NPT 1) | <b>13900637</b> |

#### Pincer heads

|                |          |         |
|----------------|----------|---------|
| Jaw width (mm) | Standard | Special |
|                | 7.7      | 7.7     |

#### Type of pincer

|                                                |                 |                 |
|------------------------------------------------|-----------------|-----------------|
| HO ME Pincer head complete                     | <b>13900664</b> | <b>13900666</b> |
| Replacement-jaw kit                            | <b>13900673</b> | <b>13900673</b> |
| Spring accessory                               | <b>13900675</b> | <b>13900676</b> |
| Calibration adaptor                            | <b>13900862</b> | <b>13900862</b> |
| One-way flow control valve (plug DN6)          | <b>13900636</b> | <b>13900636</b> |
| One-way flow control valve (adaptor for NPT 1) | <b>13900637</b> | <b>13900637</b> |

#### Pincer heads

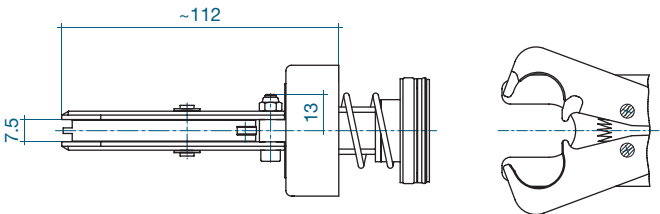
|                |      |
|----------------|------|
| Jaw width (mm) | RT 8 |
|                | 7.7  |

#### Type of pincer

|                            |                 |
|----------------------------|-----------------|
| HO ME Pincer head complete | <b>13900670</b> |
| Replacement-jaw kit        | <b>13900673</b> |
| Calibration adaptor        | <b>13900862</b> |

Pneumatic Pincer Oetiker ME

**Pincer head for installing Clamps ER – Product Group 194**  
Compatible with pincer types HO 2000 – 4000.



**Pincer heads**

|                |     |
|----------------|-----|
| Jaw width (mm) | 7.5 |
|----------------|-----|

**Type of pincer**

|       |            |
|-------|------------|
| HO ME | On request |
|-------|------------|