# Hand Installation Pincers (HIP)

## HIP 2000 | 496, HIP 2000 | 497, HIP 2000 | 498, HIP 2000 | 499

OETIKER®
Reliable Connections

Recommended for the installation of Genuine Oetiker Ear Clamps

**Benefits**

- Top sealing performance
- Quick and easy installation
- Wide bi-material ergonomic soft grips
- Dynamic new handle designs
- Designed by Oetiker for closing Oetiker clamps
- Tool Durability - Designed and Assembled in USA


Compound Action Pincer - Standard Jaws - Straight Handles
HIP 2000 | 496


Compound Action Pincer - Standard Jaws - Curved Handles
HIP 2000 | 497


Compound Action Pincer - Side Jaws - Straight Handles
HIP 2000 | 498


Compound Action Pincer - Side Jaws - Curved Handles
HIP 2000 | 499

| |
|---|
| **Compound action tools:** provide high closing forces + require less hand strength for a safe and simple closure + superior quality design + one tool covers a wide range of ear clamps |
| **Side jaw pincers:** permit access to install clamps where the standard jaw configuration is limited |
| **Wide bi-material grips:** distribute hand pressure + lessen risk of repetitive motion injury |
| **Conventional straight handles:** line up easily with the clamp and application configuration |
| **Curved handles:** more ergonomic + fit the palm better + advantageous for smaller hands |

Reliable Connections


Standard Jaws: HIP 2000 | 496 & HIP 2000 | 497


Side Jaw: HIP 2000 | 498 & HIP 2000 | 499

## TECHNICAL DATA OVERVIEW

| **Compound Action Pincer - Standard Jaws - Straight Handles** | |
|---|---|
| Model No. | HIP 2000 \| 496 |
| Item No. | 14100496 |
| | |
| Dimenions: | |
| Length | 230.00 mm |
| Width | 58.0 mm |
| Height | 23.0 mm |
| Weight | 315 g |
| Jaw width | 19.0 mm |
| Opening gap | 19.5 mm |
| Max. ear width | 13.0 mm |
| Reference jaw force | 2000 N |

| **Compound Action Pincer - Side Jaws - Straight Handles** | | |
|---|---|---|
| Model No. | HIP 2000 \| 498 | |
| Item No. | 14100498 | |
| | | |
| Dimenions: | | |
| Length | 230.00 mm | |
| Width | 58.0 mm | |
| Height | 23.0 mm | |
| Weight | 315 g | |
| Jaw width | 12.4 mm | |
| Opening gap | Top 21.6 mm | Side 16.3 mm |
| Max. ear width | 13.0 mm | |
| Reference jaw force | 2000 N | |

| **Compound Action Pincer - Standard Jaws - Curved Handles** | |
|---|---|
| Model No. | HIP 2000 \| 497 |
| Item No. | 14100497 |
| | |
| Dimenions: | |
| Length | 232.00 mm |
| Width | 63.0 mm |
| Height | 23.0 mm |
| Weight | 315 g |
| Jaw width | 19.0 mm |
| Opening gap | 18.4 mm |
| Max. ear width | 13.0 mm |
| Reference jaw force | 2000 N |

| **Compound Action Pincer - Side Jaws - Curved Handles** | | |
|---|---|---|
| Model No. | HIP 2000 \| 499 | |
| Item No. | 14100499 | |
| | | |
| Dimenions: | | |
| Length | 230.00 mm | |
| Width | 63.0 mm | |
| Height | 23.0 mm | |
| Weight | 315 g | |
| Jaw width | 12.4 mm | |
| Opening gap | Top 20.3 mm | Side 15.4 mm |
| Max. ear width | 13.0 mm | |
| Reference jaw force | 2000 N | |

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## APPLICABLE CLAMPS

| Material Dimensions (mm) | Size (mm) | Closing Force Max. (N) |
|---|---|---|
| **153** | | |
| – | 3.3–11.0 | 1400 |
| – | 11.3–20.7 | 2300 |
| – | 21.0–30.7 | 2800 |
| **154** | | |
| – | 3.3–11.8 | 1500 |
| – | 12.0–20.7 | 2500 |
| **101** | | |
| – | 4.1–20.0 | 2500 |
| **151** | | |
| – | 4.1–20.0 | 2200 |
| **105** | | |
| – | 10.5–17.0 | 1200 |
| – | 18.5–116.0 | 2000 |
| **155** | | |
| – | 10.5–17.0 | 1200 |
| – | 18.5–116.0 | 2000 |
| **123** | | |
| 7 x 0.8 | 18.0–120.5 | 2400 |
| 7 x 0.8 | 30.0–120.5 | 2400 |
| **193** | | |
| 7 x 0.6 | 18.0–120.5 | 2800 |
| 7 x 0.6 | 30.0–120.5 | 2800 |
| **117** | | |
| 7 x 0.6 | 11.9–17.8 | 1100 |
| **167** | | |
| 5 x 0.5 | 6.5–11.8 | 1000 |
| 5 x 0.5 | 18.5–100.0 | 1700 |
| 7 x 0.6 | 11.9–17.5 | 2100 |
| 7 x 0.6 | 17.8–120.5 | 2400 |
| 7 x 0.8 | 30.9–120.5 | 2800 |
| 9 x 0.6 | 21.0–120.5 | 2800 |
| **109** | | |
| 7 x 0.8 | 29.5–122.0 | 1400 |
| 9 x 0.8 | 29.5–122.0 | 1800 |
| **113** | | |
| 7 x 0.6 | 30.0–116.0 | 1400 |
| 9 x 0.6 | 72.0–132.0 | 2200 |
| **159** | | |
| 7 x 0.8 | 25.0–50.0 | 2400 |
| 7 x 0.8 | 40.0–110.0 | 2400 |
| **163** | | |
| 7 x 0.6 | 30.0–50.0 | 1800 |
| 7 x 0.6 | 56.0–116.0 | 2400 |
| 9 x 0.6 | 72.0–132.0 | 2800 |

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## DESCRIPTION

Oetiker Hand Installation Pincers (HIP) have been designed especially for Industry and Trade applications, as well as Automotive service and repair, for pinching Oetiker ear clamps quickly and easily.

They are designed to produce the highest possible radial loads and uniformity around the circumference of the application, for the best hand installed clamp sealing performance.

Wide bi-material grips distribute hand pressure and lessen the risk of repetitive motion injury.
Conventional straight handles line up easily with the clamp and application configuration. Curved handles are more ergonomic, fit the palm better and are advantageous for smaller hands.

Compound action pincers are especially designed for professional use where higher volumes of clamps are closed. The higher mechanical advantage allows the installer to apply up to 30% lower hand forces, providing comfort and reduced fatigue and risk of strain injury.

The dual purpose combo side jaw design is designed for tight space constraints. It permits access to install clamps where the standard jaw configuration is limited. The narrower jaw design requires greater accuracy and precision when closing wide band ear clamps.

## CLOSING FORCE COMPARISON CHART

As the clamp is pinched, the mechanical advantage of the compound action tools quickly increases. Benefit to user: less applied force needed to pinch clamps. Pinching is easier and quicker.