

# Hand Installation Pincers (HIP)

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

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



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	
Dimensions:		
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	
Dimensions:		
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	
Dimensions:		
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	
Dimensions:		
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	

APPLICABLE CLAMPS

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

## 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.

