## **Reliable Connections**

# for Medical Systems





Biopharmaceutical Manufacturing, Medical Devices and Health & Safety Devices





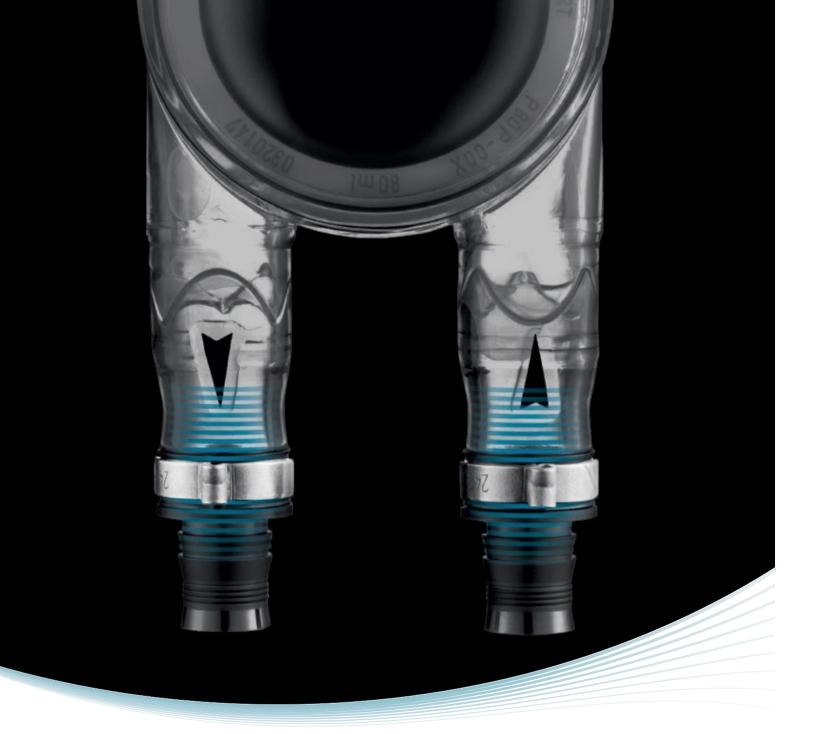
Oetiker Connections and Assembly Solutions for

# Medical Systems

As medical applications become more complex, sterile tools and proper functioning medical devices can be lifesaving. Oetiker provides customers with the peace of mind that their mission-critical medical components are clean, safe to touch, easy to install and offer system integrity, ensuring consistent performance from manufacturer to patient.

As a global leader in high-value connecting solutions for industrial segments, our expertise in high-quality clamps, rings, and assembly tools supports customers in a variety of medical applications such as Biopharma Manufacturing, Medical Devices and Health & Safety Devices. We are the trusted, long-term partner for Medical companies worldwide.





## PRODUCT USE

Our products have shown through years of industry use that they can physically withstand standard sterilization processes (like autoclave, gamma, X ray).\*

#### \*All customers are responsible for evaluating this fit for use for their applications.

## MEDICAL CONNECTIONS



#### StepLess® Ear Clamps **Dual Slide 167**

Stainless steel

11.9 – 30.8 mm

DualSlide Technology: to mitigate friction during closing

Degreased: to reduce particulates

Double bagged: to reduce risk of contamination



#### StepLess® Ear Clamps 167

Stainless steel

6.5 - 120.5 mm

Narrow band: concentrates transmission of clamping force

360° StepLess®: uniform compression and surface pressure



#### **Multi Crimp Rings** 150

Stainless steel (spiral welded)

5.0 – 50.0 mm

Full material cross-section over 360°: constant pressure applied uniformly around the circumference

Smooth: no abrasion or laceration risk



#### StepLess® Ear Clamps 193

Stainless steel

18.0 - 120.5 mm

Narrow band: concentrates transmission of clamping force

360° StepLess®: uniform compression and surface pressure



#### Clamps ER 194

Stainless steel

4.8 - 25.0 mm

Compact: lightweight, miniature sizes

Low installed height: minimum space requirement

Solid closure: fast and simple installation, safe connection for low pressure applications



#### 1-Ear Clamps 153

Stainless steel

3.3 – 30.7 mm

Compact one-piece clamp: for robust, secure connections, miniature sizes

Clamp ear: fast and simple installation



# 1-Ear Clamps with insert

Stainless steel

Compact one-piece clamp: for robust, secure connections, miniature sizes

Clamp ear: fast and simple installation

Pre-shaped insert: effective and powerful



2.9 – 30.0 mm

all-round seal

Please **contact** an Oetiker representative for a complete range of product options.



#### MEDICAL GRADE

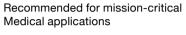
Oetiker Medical Grade Assembly Tools are specifically designed to be cleanroomsafe. Tools are paint-free to eliminate particulates and use medical grade lubricants to minimize the risk of contamination.

## **ASSEMBLY TOOLS**



#### **Electronically Controlled Pneumatic Pincers**

For high-volume assembly of Ear Clamps and Low Profile Clamps.



Securing traceability and repeatability



#### For your cleanroom environment

#### **Electronically Controlled Medical Grade Pneumatic Pincers**



**Recommended for mission-critical Medical** applications in a cleanroom.

Treated with medical grade grease for aseptic processing, certified by NSF H1 leading to limitation of introduction of particulates

Securing traceability and repeatability



## **Cordless Pincers and Cordless Crimpers**

For Ear Clamps **Oetiker Cordless Pincer CP 10** 

For Multi Crimp Rings **Oetiker Cordless Crimper CC 20** 

Efficient, uniform and repeatable assembly Lightweight and ergonomic design



#### **Hand Installation Tools**

**Manual Assembly Tools for installation** of Oetiker products.

Quick and easy installation

Exponential gain of mechanical advantage

Secure grip and comfort

Reduced fatigue and risk of repetitive injury



#### **Accessories | Cutters**

#### **Hand Clamp Cutters**

Specially designed to remove Oetiker Ear Clamps up to 7.00 mm wide x 0.6 mm band thickness to 9.0 mm wide x 0.8 mm band thickness



#### **Pro Spec Hand Tube Cutter**

Replaceable V-Shaped Blade for straight cuts Blade safely stores in jaws when locked Ergonomic curved handles

Thumb actuated blade & handle lock



## **Test Equipment**

#### High accuracy - especially suitable for mechanical tools.

Ensures uniform, reproducible process

Adjust and verify the applied closing force



Please contact an Oetiker representative for a complete range of product options.

# 360° solution approach

# Driving innovation



Oetiker helps customers drive innovation through all phases of development by utilizing our 360° solution approach. Pioneering reliable fastening components for over 80 years, we design, test and deliver high quality connecting and assembly solutions that are simpler, smarter and stronger than ever before.









