

# Reliable Connections for Medical Systems



Biopharmaceutical Manufacturing  
Medical Devices  
Health & Safety Devices



Reliable Connections

# Global Medical Customer Support

For all Phases of Development

## 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.

### Advanced Engineering

- Consultative engineering
- Dedicated localized support
- Rapid prototyping and machining

### Early Development

- Technical design analysis
- Custom medical grade solutions
- Tailor-made prototypes
- Functional testing

### Systems Integration

- Advanced testing & validation
- Assembly solution engineering
- Tailored assembly tools
- Pre-production support

### Production

- Global quality assurance
- Worldwide production
- On-site technical support
- Commissioning & maintenance
- Special packaging
- Special Labeling

### Support & Maintenance

- Tool training and assistance
- Assembly validation
- Maintenance and calibration
- Tool and software upgrades
- Notice of change



# GLOBAL FOOTPRINT AND LONG-TERM COMMITMENT

With 14 manufacturing facilities worldwide producing more than 2 billion connections per year in over 30 countries, Oetiker is the trusted, global, long-term partner for world leading Medical companies.

## MEDICAL CONNECTIONS



### StepLess® Ear Clamp 167

Stainless steel  
6.5 – 120.5 mm  
Narrow band: concentrates transmission of clamping force  
360° StepLess®: uniform compression and surface pressure



### Multi Crimp Ring 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 154

Stainless steel  
2.9 – 30.0 mm  
Compact one-piece clamp: for robust, secure connections, miniature sizes  
Clamp ear: fast and simple installation  
Pre-shaped insert: effective and powerful all-round seal

Please [contact](#) an Oetiker representative for a complete range of product options.



# PEACE OF MIND FROM RELIABLE CONNECTIONS

Assembly tool and maintenance support are managed through dedicated in-house service teams, ensuring medical connections are installed properly every time.

## ASSEMBLY TOOLS



### Electronically Controlled Pneumatic Pincers

**Recommended for mission-critical Medical applications**

**Securing traceability and repeatability**

Oetiker HO pincers wo/w pistol grip Medical version now available: treated with medical grade grease for aseptic processing, certified by NSF H1 leading to limitation of introduction of particulates



### 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



### 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



### 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 quality

Adjust and verify the applied closing force

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# 360° solution approach

## Drives innovation

Oetiker helps customers drive innovation through all phases of development by utilizing our 360° solution approach. Pioneering reliable fastening components for over 75 years, we design, test and deliver high quality connecting and assembly solutions that are simpler, smarter and stronger than ever before.

