

Reliable Connections for Home Appliances



Coffee Machine
Washing Machine
Dishwasher
Steam Equipment
Refrigerator



Reliable Connections

Home Appliances

Home Appliances require reliable, high quality and leak-proof hose connections. Oetiker provides customers with the peace of mind that their connecting components are easy to install while ensuring consistent performance.

As a global leader in high-value connecting solutions for industrial segments, our expertise in high quality clamps, rings and assembly tools support customers in a variety of appliance systems, such as coffee machine, washing machine and steam equipment applications. We are the trusted, long-term partner for industrial companies worldwide.

Global Customer Support

For all Phases of Development

Advanced Engineering

- Consultative engineering
- Dedicated localized support
- Rapid prototyping and machining
- CAD modeling & 3D printing

Early Development

- Technical design analysis
- Custom-build 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

Support & Maintenance

- Tool training and assistance
- Assembly validation
- Maintenance and calibration
- Tool and software upgrades

GLOBAL FOOTPRINT AND LONG-TERM COMMITMENT

With 13 manufacturing facilities worldwide and a local presence in over 30 countries, producing more than 2 billion connections per year, more than 60 million connections are created to serve appliance applications. Oetiker is the trusted, global, long-term partner of the world's leading Industrial Application companies.

HOME APPLIANCE CONNECTIONS



StepLess® Ear Clamps Light Fit 123

High strength steel
Zinc-magnesium coated

18.0 – 65.0 mm

Lighter band dimension: to save material

Enhanced band strength: with closed tongue guidance

360° StepLess®: uniform compression and surface pressure



StepLess® Ear Clamps 123 & 193

123 high strength steel
193 stainless steel

18.0 – 120.5 mm

360° StepLess®: uniform compression and surface pressure

Closed interlock: high radial loads, smooth outer contour

Security hook: prevents unintended opening during transport



StepLess® Ear Clamps 117 & 167

117 zinc plated
167 stainless steel

6.5 – 120.5 mm

Narrow band: concentrates transmission of clamping force, less weight

360° StepLess®: high radial loads, smooth outer contour



Worm Drive Clamps 126 & 177

126 plated and stainless steel
177 stainless steel

8.0 – 390.0 mm (DIN3017 standard)
10.0 – 178.0 mm (SAE TYPE "F")

Durable: enhanced surface pressure thanks to curled, blurr-free edges (optimized band exceeds DIN 3017 standard)

Conforms to SAE J1508 Type "F": perforated band, large clamping range



1-Ear Clamps with Mechanical Interlock 105 & 155

105 zinc plated
155 stainless steel

10.5 – 116.0 mm

Clamp ear: fast and simple installation

Visible deformation: provides evidence for proper closure



Multi Crimp Rings 150

150 stainless steel (spirally welded)
150 aluminum (puzzle lock design)

5.0 – 50.0 mm
24.5 – 120.0 mm

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

Nominal diameter up to 120 mm: suitable for universal applications, in particular for thermoplastic components

Low installed height: minimum space requirement, no imbalance on rotating parts

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 home appliance connections are installed properly every time during production.



ASSEMBLY TOOLS



Hand Installation Pincers (HIP)

Key advantages of Compound Action Pincers

- Easier to close
- Requires less hand force
- Top sealing performance



Electronically Controlled Pneumatic Pincers

- Oetiker ELK
- Oetiker HO EL/ELT
- Oetiker HO ME - pistol grip optional

Process reliability, electronic monitoring of all specified parameters - 100% documentation

Force or stroke-priority action, either with or without - initial holding feature

Single, sequential or controlled operation

Complete integration into automated systems

Efficient, verified assembly



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 7.0 mm wide x 0.6 mm band thickness to 9.0 mm wide x 0.8 mm band thickness "No-Crimp™" Jaws, for cutting only Protective hand grip The easiest and safest method of ear clamp removal

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.

