Clamps and Rings*

Fully-stepless, stepless clamps can be removed repeatedly without loss of pressure. Spring clamps do not need to be sized to the hose diameter, they can be sized for a specific needs.

<table>
<thead>
<tr>
<th>item no.</th>
<th>size ref.</th>
<th>clamp range</th>
<th>backlash</th>
</tr>
</thead>
<tbody>
<tr>
<td>17800171</td>
<td>20</td>
<td>25.0 - 40.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800172</td>
<td>25</td>
<td>25.0 - 50.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800173</td>
<td>30</td>
<td>25.0 - 60.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800174</td>
<td>35</td>
<td>25.0 - 80.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800175</td>
<td>40</td>
<td>25.0 - 90.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800176</td>
<td>45</td>
<td>25.0 - 100.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800177</td>
<td>50</td>
<td>25.0 - 110.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800178</td>
<td>55</td>
<td>25.0 - 120.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800179</td>
<td>60</td>
<td>25.0 - 130.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800180</td>
<td>65</td>
<td>25.0 - 140.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800181</td>
<td>70</td>
<td>25.0 - 150.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800182</td>
<td>75</td>
<td>25.0 - 160.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800183</td>
<td>80</td>
<td>25.0 - 170.0 mm</td>
<td>5.0/1.0</td>
</tr>
<tr>
<td>17800184</td>
<td>85</td>
<td>25.0 - 180.0 mm</td>
<td>5.0/1.0</td>
</tr>
</tbody>
</table>

Features:
- Stepless® Spring Clamps are specifically developed to permanently stop cold water flow or leaks with black EPDM or soft PVC bellows, ducts, filters or dust bags and many other applications.
- No tools are needed for assembly, disassembly or reassembly.
- They have a unique, stepless design, the first stepless spring clamp was invented by OETIKER in 1982.
- They can be used for emergency on-the-spot repairs.
- A variety of separate items meet CV joints, bellows, ducts, filters or dust bags and many other applications.
- Do-It-Yourself Clamps can be used for emergency on-the-spot repairs. They are available in 3 sizes: 20 mm, 25 mm and 30 mm.
- Steppless® Ear Clamps are versatile and can be used for a wide range of applications including marine, at home and industrial use.
- Special Products* are available upon request.

*Further information about the hose (vibration proof).

Coulplings

Quick Action Couplings SV:
Non-interchangeable and heavy duty ranges also available.
Full flow. Safely swing to connect. Connects easily and quickly with no force required and no loss of pressure in the system. Fast and safe connection due to two-stage uncoupling.

Hinged Steel Belts and Conveyor Chains*

Chains and sprockets for a wide variety of applications in industry and agriculture.
Non-interchangeable and heavy duty ranges also available. Slotted – customer-specific production.

Sandblasting and Surface Technique*

Equipment (OEM) applications. EPDM rubber is well suited for industrial use or Original Equipment Manufacturer (OEM) applications.

Special Products*

Small assortments when quantity warrants.

OETIKER Spring Clamp Rack

17800178

Clamps for Maintenance, Repair and Operations

OETIKER products are manufactured by its own technology for over 60 years.

OETIKER Inc.

Oetiker Clamps are available worldwide in over 40 countries. Numerous companies in line with ISO/TS 16949 and sold OETIKER products are manufactured by its own technology for over 60 years.

OETIKER has been developing connecting technology for over 60 years. Further information about the hose (vibration proof).

www.oetiker.com
**OETIKER 2-Ear Clamp Kits**

Product lines: 101 & 151

| Features                                                                 | 2-Ear Clamp Kits                          
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• provisions an internal wedge to lock and a spring action in the clamps, providing expansion and contraction during overheating or vibrating conditions for proper installation and ease both &quot;ears&quot; spring action in the clamp, permitting expansion and contraction during overheating or vibrating conditions for proper installation.</td>
<td></td>
</tr>
<tr>
<td>• stainless steel UNS S30400 or DIN 1.4301</td>
<td></td>
</tr>
<tr>
<td>• zinc plated carbon steel SAE 1008/1010 or DIN 1.0338</td>
<td></td>
</tr>
</tbody>
</table>

Standards Series Stepless Ear Clamps were performed for demanding applications where lighter, thin-walled hose or tubing is being used.

**Material**

• Stainless steel band UNS S30400 or DIN 1.4301
• Zinc plated carbon steel SAE 1008/1010 or DIN 1.0338

**Installation**

Where access to ear is difficult, use OETIKER’s Side Jaw Pincers.

**Removal**

Where access to ear is difficult, use OETIKER’s Side Jaw Pincers.

**Stepless® Ear Clamp Kits**

Product Line: 167

| Features                                                                 | Stepless® Ear Clamp Kits                   
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• unique stepless tongue in groove design comes to a smooth, rounded clamp size range width / thickness</td>
<td></td>
</tr>
<tr>
<td>• separate catalogs on request</td>
<td></td>
</tr>
<tr>
<td>• stainless steel and components</td>
<td></td>
</tr>
<tr>
<td>• narrow band for concentrated seal compression</td>
<td></td>
</tr>
<tr>
<td>• smooth edged bandsteel prevents damage to hose</td>
<td></td>
</tr>
</tbody>
</table>

**Material**

• Stainless steel band and components
• Stainless steel 18500060 with Standard Jaw Pincers
• Stainless steel 1850075 with Side Jaw Pincers

**Installation**

Where access to ear is difficult, use OETIKER’s Side Jaw Pincers.

**Removal**

Where access to ear is difficult, use OETIKER’s Side Jaw Pincers.

**OETIKER Band clamp Kits**

Product Line: 174

| Features                                                                 | Band clamp Kits                          
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• spring level for concentric and compression</td>
<td></td>
</tr>
<tr>
<td>• smooth stepped (friction) power design is base</td>
<td></td>
</tr>
<tr>
<td>• light weight, strong low clearance design</td>
<td></td>
</tr>
<tr>
<td>• OETIKER Professional Service Clamps are available in a variety of styles, such as for hose repair or hose repair clamping applications,</td>
<td></td>
</tr>
<tr>
<td>• expert clamps on request</td>
<td></td>
</tr>
</tbody>
</table>

**Material**

• Stainless steel and components
• Stainless steel 18500060 with Standard Jaw Pincers
• Stainless steel 1850075 with Side Jaw Pincers

**Installation**

Instructions are included with kits.

**Removal**

Instructions are included with kits.
Installation Removal

The 2-ear clamps have a larger clamp range than the 1-ear clamps. The closed “ear” geometry provides an inherent retained load and a smooth edge prevents damage to hose.

Material

- Stainless steel UNS S30400 or DIN 1.4301
- Zinc plated carbon steel SAE 1008/1010 or DIN 1.0338

Installation

Where access to ear is difficult, use Jaw Pincers.

Removal

Give each ear a firm squeeze with OETIKER Pincers. Press tab / lock the Jaw Pincers. If tab / lock is not present, it is necessary to tamp each ear.

2-Ear Clamp Kits

Product Group 101 & 151

OETIKER

2-Ear Clamp Kits

Item No. Qty.

18500006 5

18500008 5

18500044 1

18500046 1

18500049 1

Standard Series

Stainless steel band UNS S30400 or DIN 1.4301

Zinc plated carbon steel SAE 1008/1010 or DIN 1.0338

Typical applications

- Low Profile or Heavy Duty clamping applications.
- In tight, off or pattern clamping assemblies.

The unique stepless tongue-in-groove design ensures a smooth inner band circumference and uniform compression for a 360° seal.

Standard Series Stepless Ear Clamps were perfected for demanding applications where lighter, thin-walled hose or tubing is being used.

Features

- One-piece design offers quick and easy installation
- For air and fluid media lines
- Light weight, strong low clearance design
- Smooth edged band steel prevents damage to hose
- Narrow band for concentrated seal compression
- Separate catalogs on request
- Oetiker Stepless Series Clamps are available in a variety of styles, such as for Low Profile or Heavy Duty clamping applications.
- Separate catalogs on request

OETIKER® Bandclamp Kits

Product Group 174

Screw Lock Clamp

Ratchet Lock Clamp

Emergency Bandclamp Kits

Ear Element Clamp

Nut & Spring Element Kits

Emergency Bandclamp Kits

Beverage Kits

Screw / Spring Element Kits

Ear Element Kits (heavy duty)

Perf. Bandsteel – 9 mm 17400048 5 m / 16 ft

Perf. Bandsteel – 7 mm 17400051 3.3 m / 10 ft

Perf. Bandsteel – 10 mm 17400066 5 m / 16 ft

Ratchet Lock – large dia. 17400064 1

Ratchet Lock – small dia. 17400063 5

Ratchet Locks – large dia. 17400064 5

Ratchet Locks – small dia. 17400063 5

Ratchet Lock Clamp Kits

Item No. Qty.

18500020 5

Standard Series

Stainless steel band and components

- Stainless steel band UNS S30400 or DIN 1.4301
- Stainless steel band UNS S30400 or DIN 1.4301

Typical applications

- Tire Service – attach separate locking element to appropriate length of bandsteel
- Car bodywork – to secure panel in place for paint work
- Clamps on rail so that hose / tubing is protected
- Separate catalogs on request
- Oetiker Stepless Series Clamps are available in a variety of styles, such as for Low Profile or Heavy Duty clamping applications.
- Separate catalogs on request

OETIKER Stepless® Ear Clamp Kits

Product Group 167

Item No. Qty.

18500040 5

18500046 5

18500050 5

18500056 5

18500057 5

Standard Series

Stainless steel band UNS S30400 or DIN 1.4301

Zinc plated carbon steel SAE 1008/1010 or DIN 1.0338

Typical applications

- Permits bandsteel to be reused.
- Once bandsteel has been applied, it must not be reused.
- Clamp has been applied, it must not be reused.
- OETIKER Pincers.
- Jaw Pincers
- Do-It-Yourself – attach separate locking element to appropriate length of bandsteel
- Car bodywork – to secure panel in place for paint work
- Clamps on rail so that hose / tubing is protected
- Separate catalogs on request
- Oetiker Stepless Series Clamps are available in a variety of styles, such as for Low Profile or Heavy Duty clamping applications.
- Separate catalogs on request
Installation

- Use OETIKER® Bandclamp to secure hose or tubing to a flange or other structural element.
- Fasten both bands with a pair of OETIKER® Bandclamp Pincers or Jaw Pincers.
- Avoid over-tightening to prevent damage to hose or tubing.
- Ensure proper seal by checking for leaks before and after application.
- 

Removal

- Remove hose or tubing from flange or structural element.
- Use OETIKER® Bandclamp Removal Tool or Jaw Pincers to gently slacken the bands.
- Gently pull bands in opposite directions to release the hose or tubing.
- 

Materials

- OETIKER® Bandclamps are available in stainless steel or carbon steel, depending on the application.
- 

OETIKER® Bandclamp Kits

- Item No. Qty.
- OETIKER® Bandclamp 174
- Screw Lock Clamp
- Band Lock Clamp
- Emergency Bandclamp
- C-V Joint Replacement Kits
- Ear Shower Kits (heavy duty)
- Ear Shower Kits (large ear)
- Screw & Spring Element Kits
- OETIKER® Bandclamp Kits

Rights to make technical changes in the interests of further development reserved 08901341
OETIKER Clamps for Maintenance, Repair and Operations

Clamps and Rings*

Small, hard to reach vessels can be repaired or cleaned if necessary. Small, quick-acting clamps can be used to replace hose clamps and do not require the pressurizing of the system to be made.

When a clamp is tightened, it uniformly distributes the pressure force. As a result, a tight, permanent seal is achieved, preventing leaks.

Types

- Single-ear clamps (1-Ear)
- Two-ear clamps (2-Ear)
- Stepless® Ear Clamps

Features

- Simple and straightforward installation.
- Quick Action Couplings SV:®

Coupplings

- Spring Coupling-S:®: Cone type with spring action
- Screw Coupling-S:®: Screw type with spring action

Hinged Steel Bands and Conveyor Chains*

- Screw Band Steel

Formed and Stamped Parts*

- Flat, round, or square bands
- O-ring bands
- Fasteners

Sandblasting and Surface Technique*

- Sandblasted steel, stainless steel, or other materials
- Suitable for surface finishing after sandblasting
- Suitable for internal finishing after sandblasting

Special Products*

- Custom clamps
- Custom hose clamps
- Custom hose clamps for industrial use

Surface Technique*

- Sandblasting
- Deburring
- Polishing

Clamp Kits for MRO

OETIKER has a variety of clamp kits available for emergency on-the-spot repairs, or steps on the clamp's inner circumference.

OETIKER Clip Kits come in various standard contents. Custom assortments available upon request.

Further information about OETIKER’s range of clamping products, including surface finishing and other unique applications.

OETIKER offers a variety of hose clamps and rings and clamping systems that can be used for emergency on-the-spot repairs, or for the repair and maintenance of hoses, fittings, and other components.

OETIKER's range of hose clamps and rings is designed to meet the needs of a wide range of industries, from automotive and aerospace to construction and manufacturing.

For more information or to request a quote, please contact OETIKER at info@oetiker.com or visit our website at www.oetiker.com.
Clamps and Rings*

OETIKER ring clamps are precision-made stainless steel or brass components. They can be inserted into hoses and tubes using an OETIKER stepless® spring clamp. Rings increase the holding capacity of hoses and tubes. Ring clamps are used in many different industries, reflecting their high performance.

Couplings

OETIKER Swing Couplings are designed to couple and uncouple hoses quickly. The clamp is designed to form a continuous seal with the hose material and provide a durable, leak-free connection without damaging the hose material. The clamp can be easily swung into place, and the hose is automatically tensioned and held until it is firmly seated. Swing Couplings are available in different sizes to match specific application requirements.

Hinged Steel Belts and Conveyor Chains*

Hinged steel belts and conveyor chains are manufactured using high-quality materials that can withstand high loads and temperatures. They are used in various industries such as food processing, pharmaceuticals, and manufacturing to convey products efficiently. The belts and chains are designed to maintain a strong uniform seal to prevent leakage.

Features

- Stepped tongue and groove avoids uneven compression
- 360° compression assures a uniform seal
- Stainless steel belt holds the hose firmly in place
- Clamps are available in various stainless steel grades
- Belts and chains are corrosion-resistant
- Suitable for high-speed applications
- Easy to clean and maintain

Specifications

- Belts: Available in various widths and thicknesses
- Chains: Available in different pitches and widths
- Belts and chains are designed for specific load capacities
- Belts and chains are compatible with a variety of materials

Material

- Stainless steel, polyethylene, rubber

OETIKER Clamps and Rings are manufactured using high-quality materials and are suitable for various applications. They are designed to provide a strong, leak-proof seal while ensuring the integrity of the hose or tube material.

*Further information about OETIKER Clamps and Rings can be found on our website: www.oetiker.com

OETIKER Clamps are designed for maintenance, repair, and operations. They are available in a wide range of sizes and materials, ensuring a perfect fit for any application. OETIKER provides comprehensive support and service to ensure the optimal performance of their products.