

1. Description



Adjustable Quick Lock Band Clamps provide a versatile and rapid clamping solution using continuous stainless steel banding combined with separate quick-release/quick-lock fastener mechanisms (typically lever-action or over-center latches). This system allows users to create custom-diameter clamps on-site that can be quickly opened and closed without tools once initially installed. Ideal for applications requiring frequent access, temporary installations, or rapid assembly/disassembly, these clamps offer good strength and the inherent durability of stainless steel.

2. Key Features

- **Custom Sizing:** Enables creation of clamps for specific diameters by cutting banding to length.
- **Quick Release/Locking:** Lever-action or over-center latch mechanism allows for fast opening and closing without tools after initial setup.
- **Adjustable Tension:** Initial tension can often be fine-tuned via threaded components within the latch mechanism.
- **Stainless Steel Construction:** Banding and latch components typically made from stainless steel for durability and corrosion resistance.
- **Reusable:** Designed for repeated opening and closing cycles.
- **On-Site Assembly:** Allows creation of clamps as needed, suitable for custom fitting.
- **Tool-Free Operation (Post-Installation):** Ideal for applications requiring quick access or frequent adjustments.

3. Applications

- Ideal for applications requiring secure clamping with the need for quick access or frequent removal/reinstallation:
- **Filter Housings:** Securing lids on industrial filter units.
- **Container Lids:** Fastening lids on drums, vessels, or containers.
- **Removable Equipment Covers:** Holding protective covers or shrouds in place.
- **Ducting Connections:** Temporary or frequently accessed joints in ventilation or material handling systems.
- **Cable Bundling:** Securing bundles that may need future modification.
- **Temporary Fixturing:** Holding items in place during assembly or maintenance.
- **Marine Applications:** Securing removable items where corrosion resistance is needed.

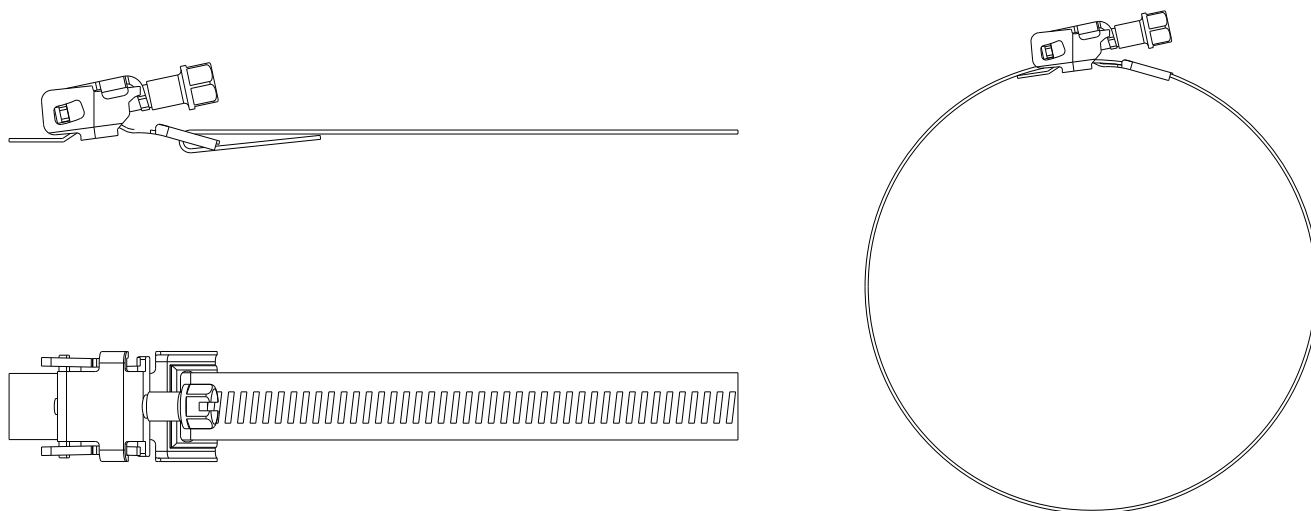
4. Technical Data

- **System Components:**
 - **Stainless Steel Banding:** Supplied in rolls.
 - Material: Typically Stainless Steel Type 201, Type 304 (SS304 / UNS S30400).
 - Widths: 9.0mm, 12.0mm.
 - Thickness: 0.6mm.
 - **Quick Lock Fastener Mechanisms:** Separate latch units.
 - Type: Over-center Lever Latch, Draw Latch, or similar quick-release mechanism. Include a threaded component (e.g., hook bolt, eye bolt) for tension adjustment.
 - Material: Stainless Steel (e.g., 304). Include non-metallic components on handle/lever.
 - Adjustment Feature: Often includes a threaded hook or eye for fine-tuning tension.
- **Clamp Diameter Range:** Virtually unlimited; determined by the length of banding cut.
- **Holding Strength:** 350~500MPa.
- **Operating Temperature Range:** -80°C to +300°C.
- **Resistance:** Good resistance to corrosion (grade-dependent), UV radiation, and weathering.

5. Installation Guidance

- **Measure & Cut Banding:** Determine the required clamp circumference. Cut the stainless steel banding from the roll using appropriate shears. Allow sufficient extra length for attachment to both ends of the latch mechanism (consult manufacturer recommendations).
- **Attach Band to Latch (Fixed Side):** Securely attach one end of the cut banding to the fixed anchor point or body of the quick lock latch mechanism. The method will vary by latch design (e.g., folding band back and crimping, using provided slots/fasteners).
- **Attach Band to Latch (Adjustable Side):** Attach the other end of the banding to the adjustable part of the latch (e.g., the threaded hook bolt or eye). Ensure the band is securely fastened.
- **Position Clamp:** Wrap the assembled band and latch around the object to be clamped.
- **Engage Latch:** Hook the movable part of the latch (e.g., the lever with hook) onto the catch point on the fixed latch body.
- **Initial Tension Adjustment:** If the latch includes a threaded adjustment (like a hook bolt), use wrenches or pliers to adjust the thread length before fully closing the lever. This sets the initial clamping force. Adjust until the desired tension is achieved when the lever is closed.
- **Close Latch:** Firmly push the lever down until it snaps into the locked (over-center) position. This applies the final tension.
- **Operation:** To open, simply lift the lever to release the tension. To close, re-engage the hook/catch and push the lever down.

6. Specifications



Code	Thickness	Quantity	Material
GK09B	Band - 9.0 X 0.6 MM	30 Meters	SS430/304
GK12B	Band - 12.0 X 0.6 MM	30 Meters	SS430/304
GK09H	Clamp - 9.0 MM	50 PCS	SS430/304
GK12H	Clamp - 12.0 MM	50 PCS	SS430/304

7. Associated Products

- **Stainless Steel Banding Rolls:** The primary band component.
- **Quick Lock Fastener Mechanisms:** Separate latch units compatible with the banding width.
- **Banding Cutting Tool:** Shears suitable for cutting stainless steel banding.
- **Hand Tools:** Wrenches or pliers may be needed for initial tension adjustment on the threaded part of the latch. No specialized banding tensioning tools are typically required for the latch operation itself.

Disclaimer: The information provided in this datasheet is intended as a general guide for adjustable quick lock band clamp systems. Performance depends on component quality, correct assembly, proper initial tensioning, and suitability for the specific application conditions. Holding strength may be lower than permanent clamp types (e.g., T-Bolt). Users must evaluate the system's suitability for their requirements and consult manufacturer-specific data. Manufacturer reserves the right to change specifications without notice.