The BAND-IT® BOSS™ OILFIELD SERVICES Tool has been optimized for application of BAND-IT® BAND-FAST®, coils and seals made with Zeron® 100 and other materials.

Zeron® 100 is a registered trademark of Rolled Alloys, Inc.
Safety Guidelines

Read this manual to help understand the intent and operation of this tool prior to installing BAND-IT clamps.

- Always wear safety glasses and appropriate gloves when operating this tool.
- Keep hands away from clamp while installing.
- Care should be taken to ensure fingers are not under the clamp being applied.
- Never use this product for anything other than its original intended purpose.
- Tool must be used by persons properly trained.
- Pay attention to the rules and regulations for preventions of accident which are valid for the work place.
- Check tool regularly for broken or worn parts. Do not operate a tool with broken or worn parts.
- Never modify the tool. Modification can result in severe bodily injury.

IMPORTANT:
- Always use the recommended clamping product with this tool.
- Always disconnect from air sources before performing any maintenance.

The BT1000 tool is to be used with BAND-IT ¾” (19 MM) Band and Seal only. Accordingly, BAND–IT–IDEX, Inc. makes no representations with respect to the compatibility of this tool when used with non-BAND-IT or any other incompatible product.
Warranty Conditions and Liability

Warranty:

This product is sold "as is" without Warranty.


For additional information visit online at:

www.band-it-idx.com

Save these instructions for future use.
Tool overview

- Tool hanger
- Low friction reversible slide plate insert
- Heavy duty case
- Metric hex key set

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Installation

Compressed Air
Joining required: quick –disconnect coupling (female) for ¼” hose
Recommended air pressure: 95 PSI working 105 PSI max.

Maintenance

Depending on the working conditions and the use of the tool, the following maintenance has to be made periodically:

1. Air Unit:
   • Checking the air-pressure daily
   • Checking oil-level daily
   • The water separator must be emptied before it is full
   • The filter has to be cleaned
   • Check the function and proper adjustment of the lubricator daily (approximately 1-2 drops/min.)

2. Cleaning:
   If impact of dirt and dust is considerable, the feed wheel must be cleaned regularly using a steel wire brush.

3. Lubrication
   The worm gear is filled with MOLYKOTE BR 2 PLUS. Use the same type of grease after repair.
   When being exchanged, all valve parts and other movable parts have to be greased with grease of type Mobilus EP2 or with equivalent product.
   The diaphragm must always be rubbed with TALCUM before being installed.
1. Feeding the band (strap)
Feed the band through the seal, around the parts/object to be strapped and again through the seal. The band end is then bent. The operator then tensions the loose loop manually making sure that the bent end is adjacent to the object to be strapped.

Always wear safety glasses

Always wear protective gloves when handling band/strap

2. Inserting the tool
The upper band is held with the left hand; the right hand lifts the air motor and insert the tool from the right to the left and from the rear to the front. The air motor is then released.
3. Tensioning the band/strap
Press down the tension valve lever. The lever is caught completely and the band is tensioned until the air motor stalls. If the cycle has to be interrupted, the catch has to be released to the left.

4. Sealing the band
The sealing valve lever is pressed down until the seal is notched and the upper band sealed; the tensioning process is interrupted (tension released) automatically.
5. **Releasing the tool**
The tool can now be released from the strapping without any further action after completing the strapping cycle. By lifting the air motor, the band end is removed from the tool.

6. **Tension adjustment**
The tension can be adjusted by adjusting the throttle screw. The air supply is reduced by turning the screw clockwise, hence reducing the tension.

The throttle screw is located at the rear end of the air motor.

Note: The tool tension speed has been factory set to maximum.
7. Joint inspection

Following illustration shows a proper joint

![Joint Illustration]

Sharp edged or deformed joints which do not appear as shown have to be removed from the load and replaced immediately. The tensile strength of these joints is insufficient and they could cause serious injury.
### Troubleshooting Guide

<table>
<thead>
<tr>
<th>Observed Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gripper slipping.</td>
<td>Gap between tensioning wheel and slide plate too</td>
<td>Adjust the gripper gap adjustment screw to set gap to .003”-.004”.</td>
</tr>
<tr>
<td></td>
<td>large.</td>
<td><strong>Important:</strong> Never let the tensioning wheel touch the slide plate.</td>
</tr>
<tr>
<td>Gripper slipping.</td>
<td>Clogged tensioning wheel.</td>
<td>Clean the wheel as needed. If knurls are worn to the point of slipping, replace.</td>
</tr>
<tr>
<td>Gripper slipping.</td>
<td>Worn slide plate.</td>
<td>Remove the slide plate and turn over to expose unused side. If both sides are worn, replace.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Important:</strong> Only replace with <strong>BAND-IT</strong> part number XE4819.</td>
</tr>
<tr>
<td>Stalled or sluggish cut-off.</td>
<td>Low air pressure.</td>
<td>Turn up air pressure.</td>
</tr>
<tr>
<td>Stalled or sluggish cut-off,</td>
<td>Worn jaws or cutter.</td>
<td>Replace worn components.</td>
</tr>
<tr>
<td>and / or partially formed lock.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Gripper gap adjustment screw and lock nut**

**Reversible Slide plate.**
Only replace with **BAND-IT** part number XE4819

**Do not apply any lubricant or cleaner to the tensioning wheel. Liquids will cause shavings to stick to the wheel and shorten gripper life.**
### Spare Parts List

<table>
<thead>
<tr>
<th>Part number</th>
<th>Qty.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XE4819</td>
<td>1</td>
<td>Insert</td>
</tr>
<tr>
<td>A481104</td>
<td>2</td>
<td>Cutting jaws</td>
</tr>
<tr>
<td>A481108</td>
<td>2</td>
<td>Cutting knife</td>
</tr>
<tr>
<td>A481127</td>
<td>1</td>
<td>Cutter</td>
</tr>
<tr>
<td>A481128</td>
<td>1</td>
<td>Cutter jack</td>
</tr>
<tr>
<td>A481210</td>
<td>1</td>
<td>Tension body</td>
</tr>
<tr>
<td>A481221</td>
<td>1</td>
<td>Tensioning wheel</td>
</tr>
</tbody>
</table>