

BAND-IT[®]

**OPERATION MANUAL
BT1000 BOSS[™] TOOL**



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.

Thank you for purchasing **BAND-IT[®]** products.

Save these instructions for future use.

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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 3/4" (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 .

www.band-it-idex.com/en/Technology%20%26%20Resources/Warranty.html



For additional information visit online at:

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BT1000 BOSS™ Tool Manual

Tool overview



Tool hanger

Low friction reversible slide
plate insert



Metric hex key set

Heavy duty case

BT1000 BOSS™ Tool Manual**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.

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BT1000 BOSS™ Tool Manual**Operation****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.



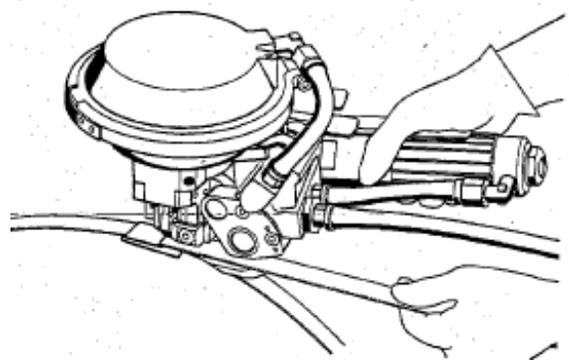
**Always wear
safety glasses**



**Always wear
protective gloves
when handling
band/ strap**

2. Inserting the tool

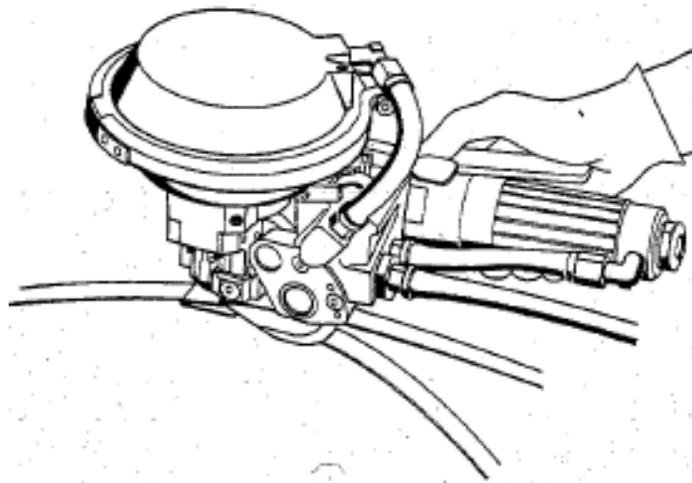
The upper band is held with the left hand; the right hand lifts the air motor and insert the tool from the right to the left and from the rear to the front. The air motor is then released.



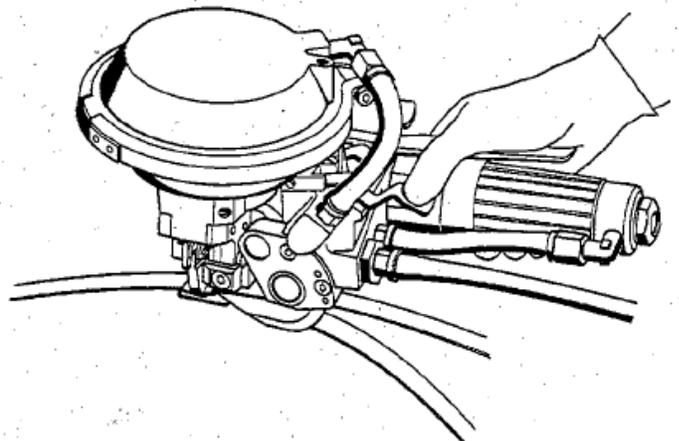
BT1000 BOSS™ Tool Manual**Operation****3. Tensioning the band/strap**

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.

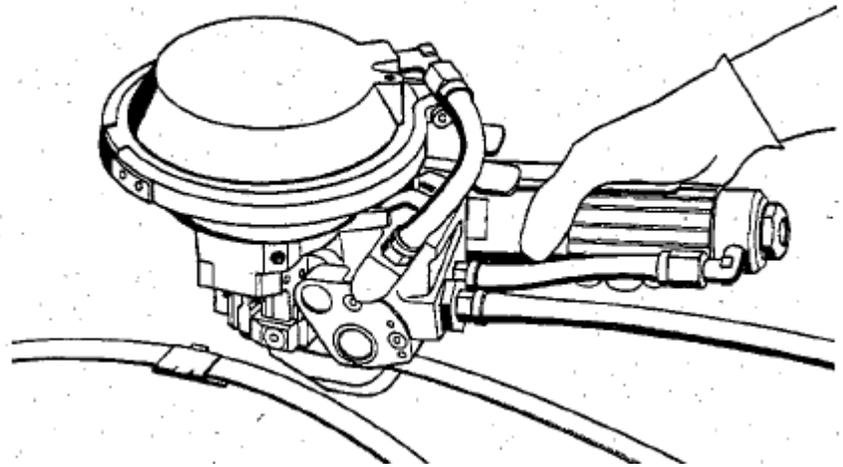
**4. Sealing the band**

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.



BT1000 BOSS[™] Tool Manual**Operation****5. Releasing the tool**

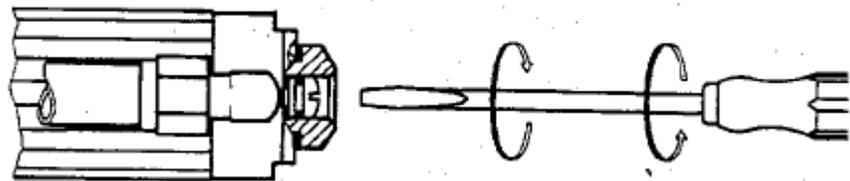
The tool can now be released from the strapping without any further action after completing the strapping cycle. By lifting the air motor, the band end is removed from the tool.

**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.

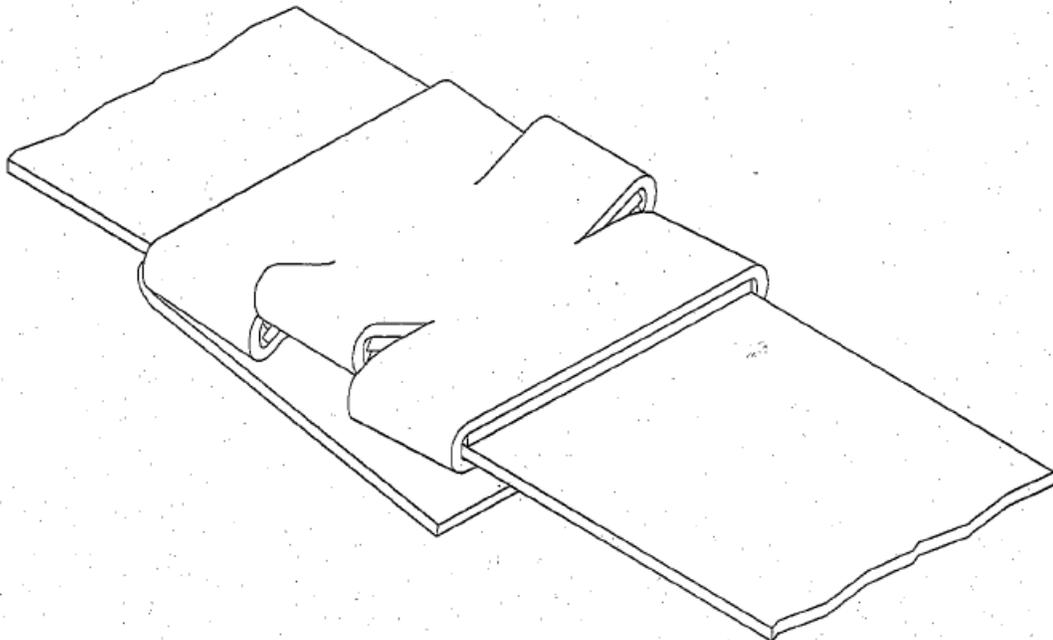
The throttle screw is located at the rear end of the air motor.

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



BT1000 BOSS™ Tool Manual**Operation****7. Joint inspection**

Following illustration shows a proper joint



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.

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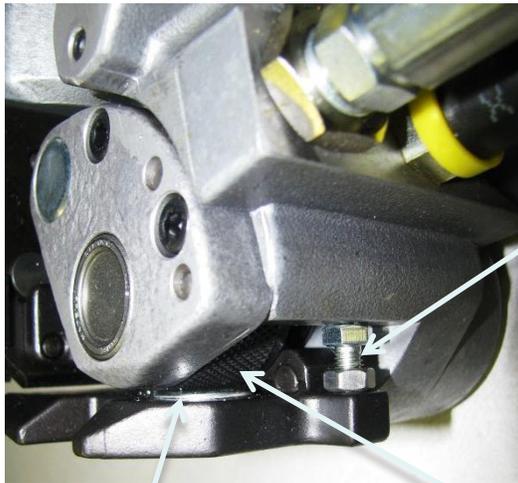
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Troubleshooting Guide

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



Gripper gap adjustment screw and lock nut



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

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

BT1000 BOSS™ Tool Manual**Spare Parts List**

Part number	Qty.	Description
XE4819	1	Insert
A481104	2	Cutting jaws
A481108	2	Cutting knife
A481127	1	Cutter
A481128	1	Cutter jack
A481210	1	Tension body
A481221	1	Tensioning wheel

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