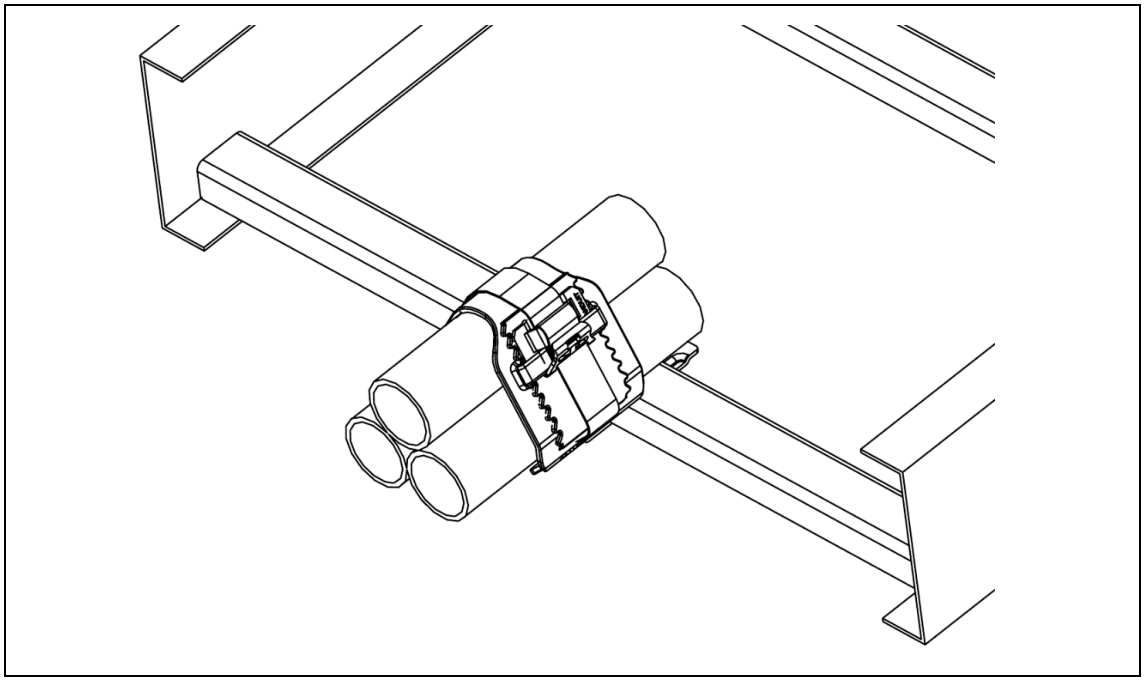
MS75 BUCKLE STRAP CABLE CLEAT

1007728
Rev. AB [06-2024]

INSTALLATION INSTRUCTIONS

© Panduit Corp. 2024





TO REDUCE THE RISK OF INJURY, USER MUST READ INSTALLATION INSTRUCTIONS BEFORE ATTEMPTING TO INSTALL

NOTE: ***In the interest of higher quality and value, Panduit products are continually being improved and updated. Consequently, pictures may vary from the enclosed product.***

NOTE: ***Updates to these Installation Instructions may be available. Check www.panduit.com for the latest version of this manual.***

Email:
techsupport@panduit.com

EU Email:
emeatoolservicecenter
@panduit.com

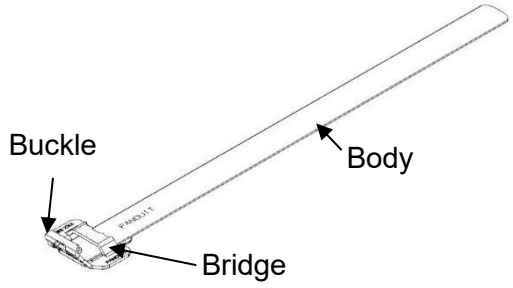
www.panduit.com

Panduit Corp.
USA Technical Support
Tel: 800-777-3300

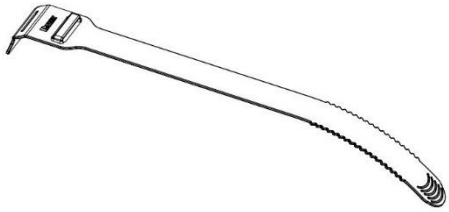
Panduit Europe • EMEA Service Center
Tel: +31 546 580 452 • Fax: +31 546 580 441

Items in Instructions

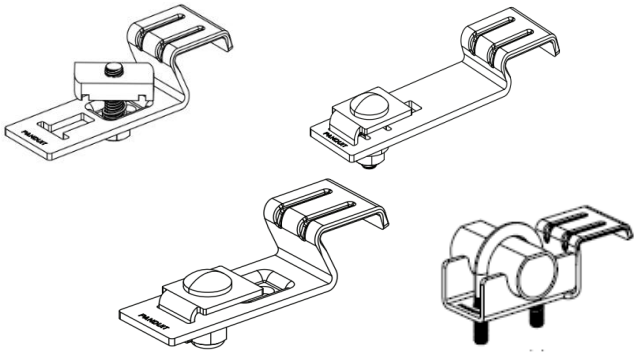
MS##W75T30 Strap Cleat



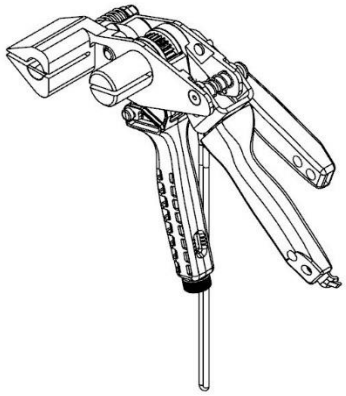
Individual Cushion Sleeve

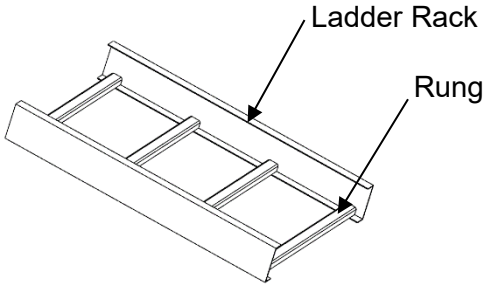


Uniclip Mounting Bracket

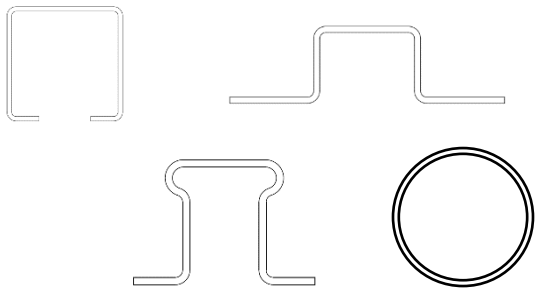


BT2HTI Installation Tool



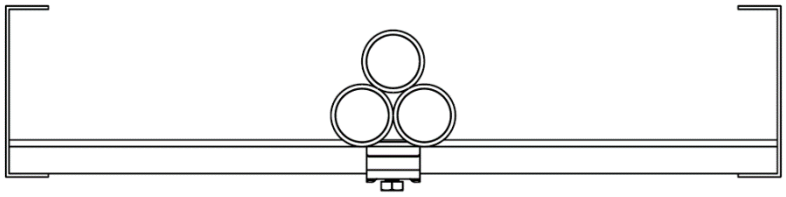


Ladder Rung Cross Section



Installation also requires a 5/16” screwdriver (or equivalent) and scissors or shears.

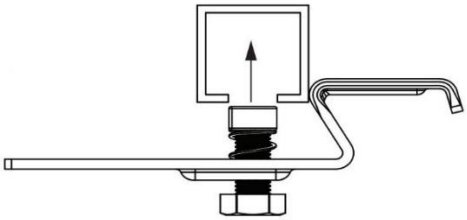
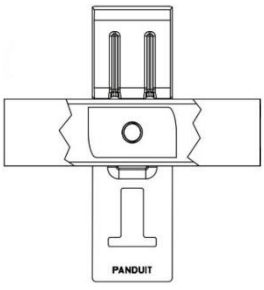
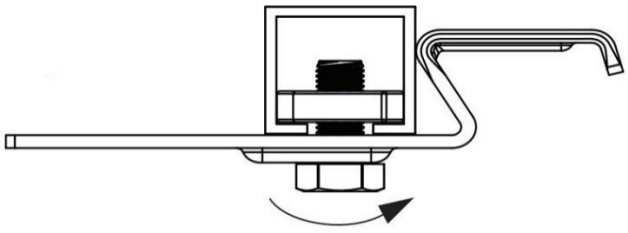
BRACKET PLACEMENT



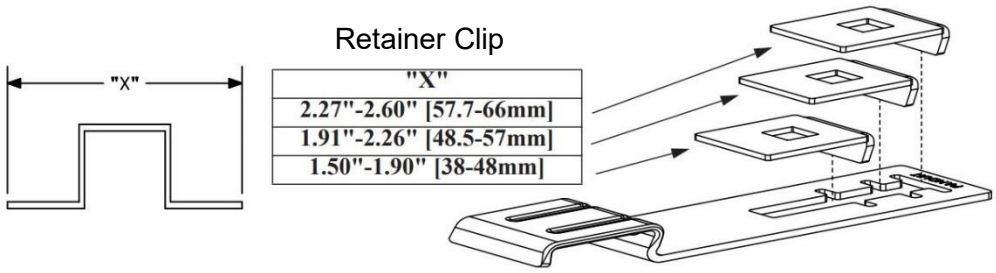
All brackets should be placed in the center of the cable bundle as shown above. If brackets are installed before cable is pulled, consult engineering drawings for the given project.

UCSQ1 AND UCSQ2 BRACKETS FOR STRUT – TYPE LADDER RUNG SYSTEMS

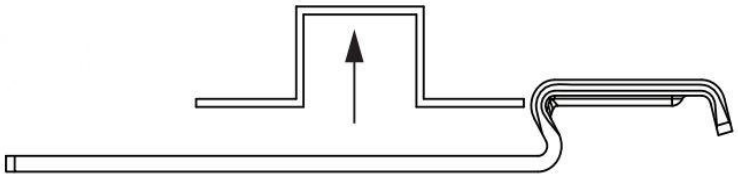
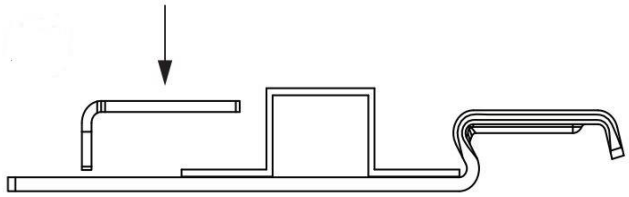
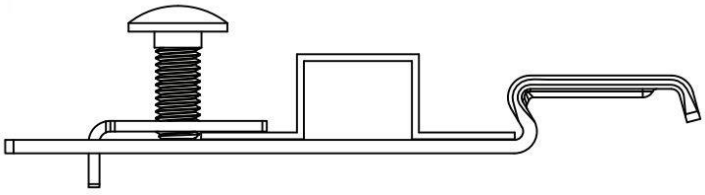
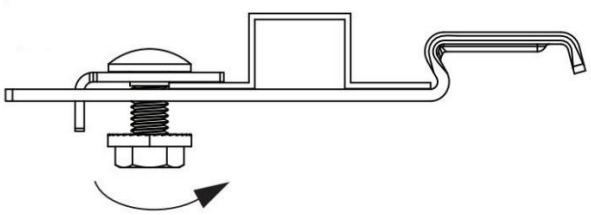
UCSQ1-V316, UCSQ1-VC, UCSQ1-28-V316, UCSQ2-V316, UCSQ2-VC,

Step	Picture	Description
1		Align and insert channel nut through bottom opening of the ladder rung.
2		Position bracket assembly perpendicular to the ladder rung.
3		Thread channel nut, rotating it 90 degrees to grasp the channel edges, and continue threading until resistance is felt. Torque bolt to a recommended 75 lbs·in [8.5 N·m]. See page 7 for further instruction.

UCTH1 BRACKETS FOR TOP HAT LADDER RUNG SYSTEMS

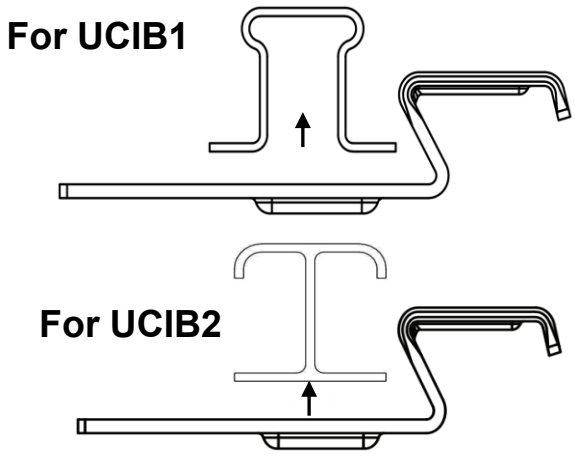
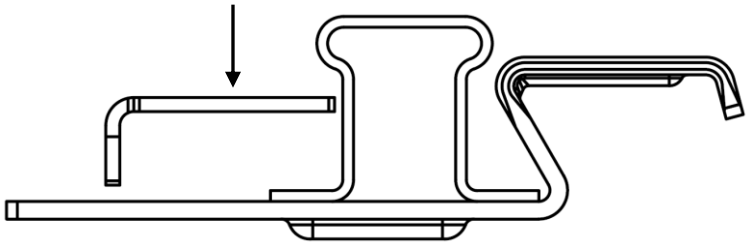
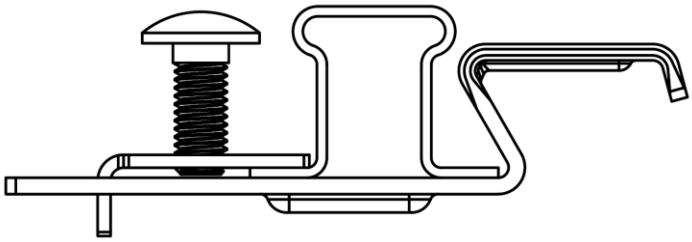
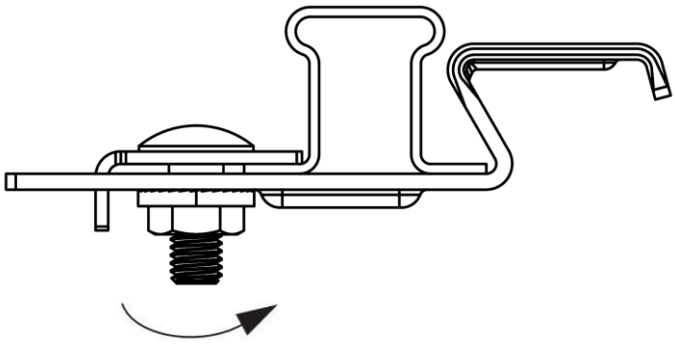


UCTH1-V316, UCTH1-VC

1		Position bracket under ladder rung.
2		Insert retainer clip into correct bracket slot, as specified by dimension "X".
3		Insert bolt through retainer clip and bracket.
4		Thread nut and torque to a recommended 75 lbs·in [8.5 N·m]. See page 7 for further instruction.

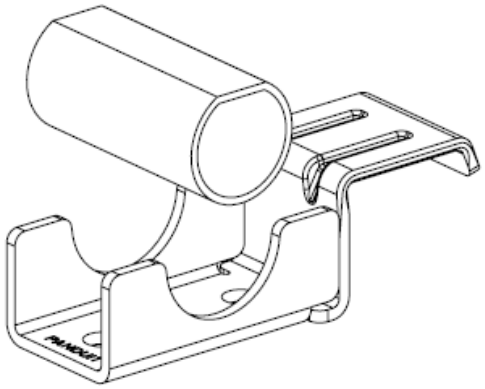
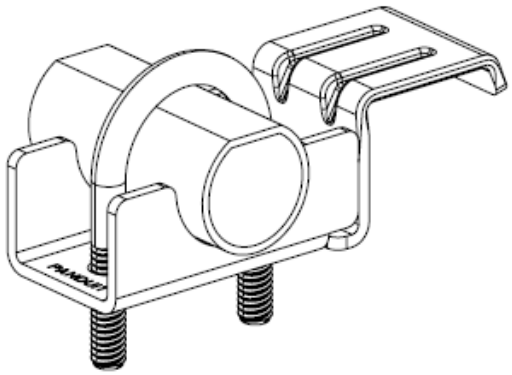
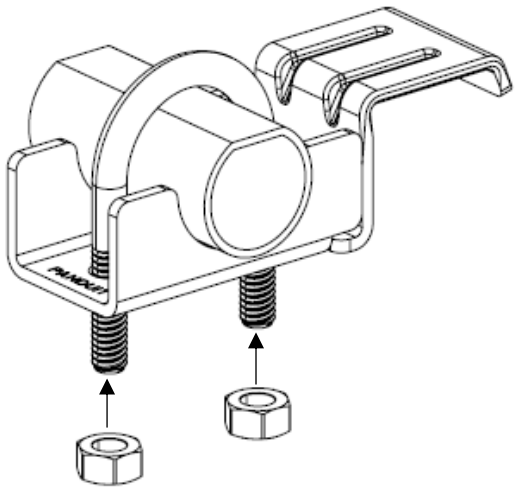
UCIB1 AND UCIB2 BRACKETS FOR I-BEAM LADDER RUNG SYSTEMS

UCIB1-V316, UCIB1-VC, UCIB2-V316, UCIB2-VC

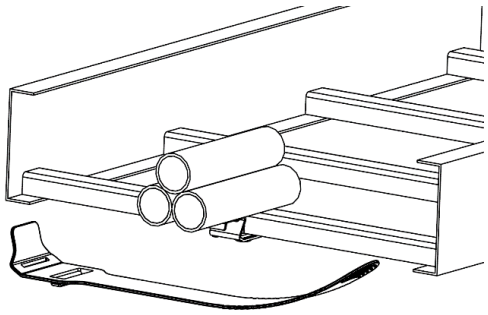
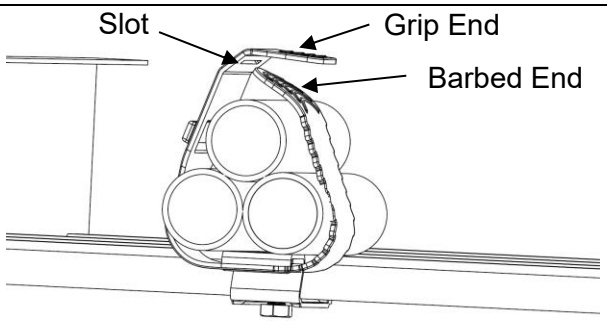
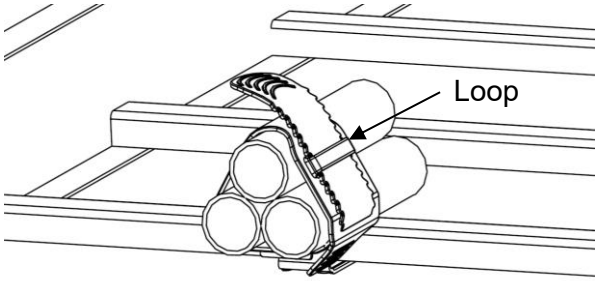
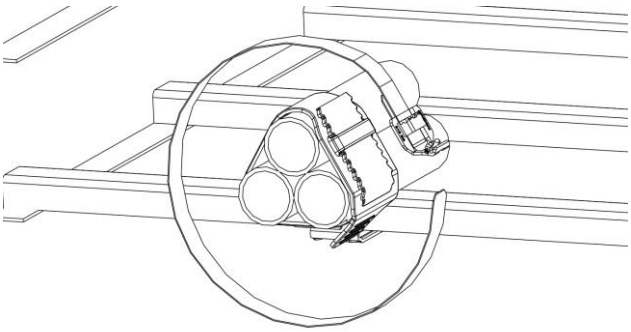
1		Match bracket type to appropriate ladder rung as shown in the diagram. Position bracket under the rung.
2		Place retainer clip in the bracket slot.
3		Insert bolt through the retainer clip and bracket.
4		Thread nuts and torque to a recommended 75 lbs·in [8.5 N·m]. See page 7 for further instructions.

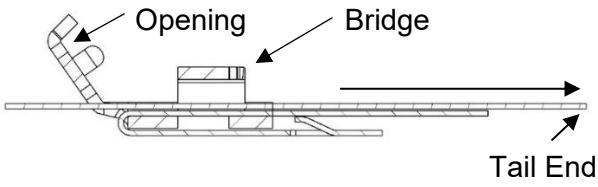
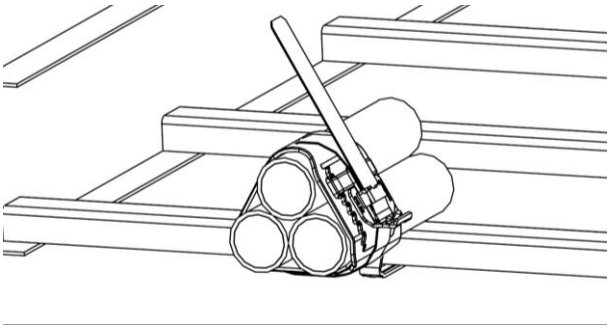
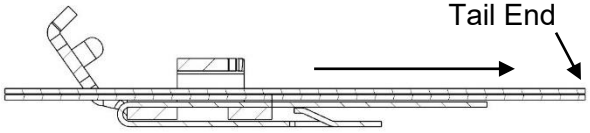
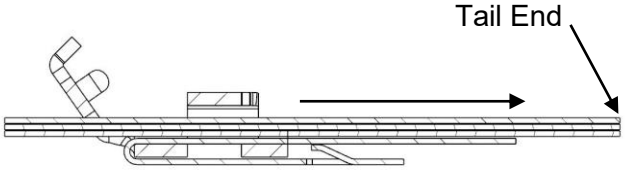
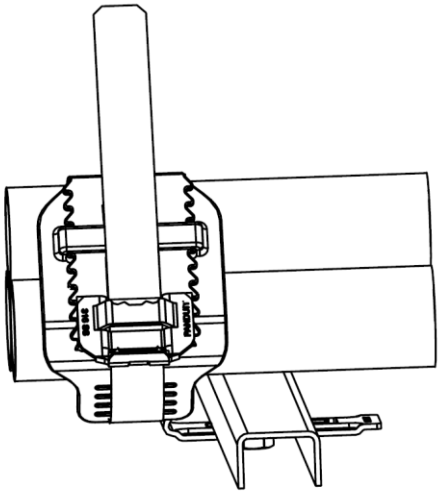
UCRND1 BRACKETS FOR ROUND LADDER RUNG SYSTEMS

UCRND1-V316, UCRND1-VC

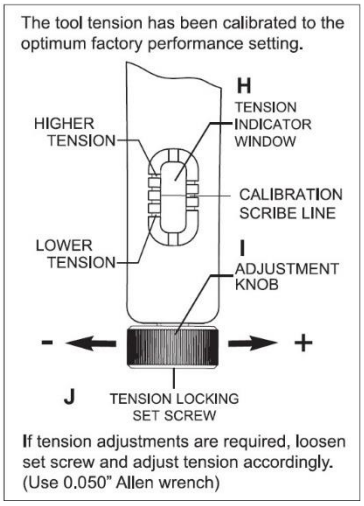
Step	Picture	Description
1		Align bracket with the underside of the ladder rung.
2		Position bracket as shown and add U-bolt.
3		Thread nuts and torque to a recommended 25 lbs·in [2.8 N·m]. See page 7 for further instructions.

INDIVIDUAL CUSHION SLEEVE INSTALLATION AND BUCKLE STRAP CLEAT THREADING

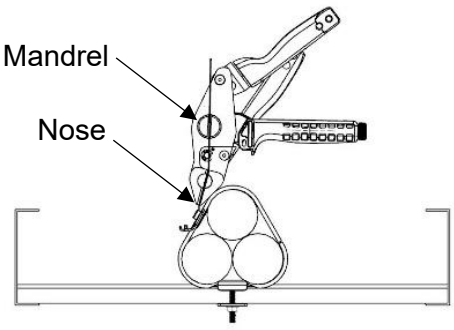
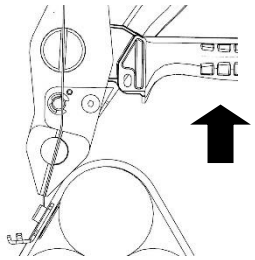
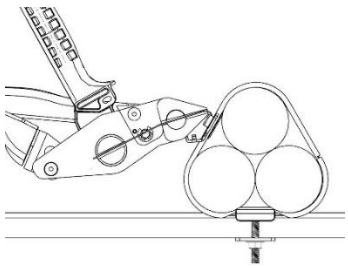
Step	Picture	Description
1		Position cushion sleeve under cable or cable bundle. Individual cushion sleeve shown for reference, but cushion sleeve roll can also be cut to suit bundle circumference and used in a similar manner.
2		Wrap cushion sleeve around cable or cable bundle. Insert barbed end of cushion sleeve into cushion sleeve slot. Secure the cushion sleeve tightly around the bundle by holding the grip end and pulling the barbed end.
3		Feed barbed end of the cushion sleeve through the loop. Optional: Cut off excess barbed end with scissors or shears.
4		Encircle the cable bundle with the buckle strap cleat. Thread the end of the body through the opening and underneath the bridge of the buckle. Push the body through to the other side.

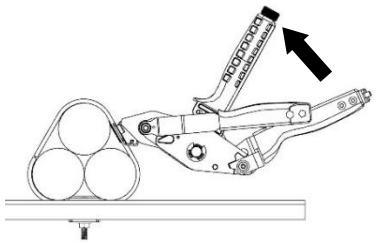
5		The body should go through the buckle as shown.
6		Position the buckle at the top of the cable or at 45 degrees of the cable bundle as shown. It does not matter what side of the cable bundle the buckle sits on. The body should sit in the center of the cushion sleeve. Pull the body tight.
7a		Repeat Step 5 and 6 to make a double loop.
7b (If specified)		Reposition the tie as shown in step 6 and pull body tight. Repeat step 5 and 6 to make a triple loop.
8		Before installation with the tool, ensure body is centered on the cushion sleeve, and the cleat body is wrapped around the bracket. Pull the body's tail to remove as much slack as possible.

BT2HTI INSTALLATION

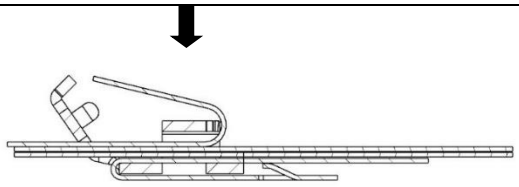
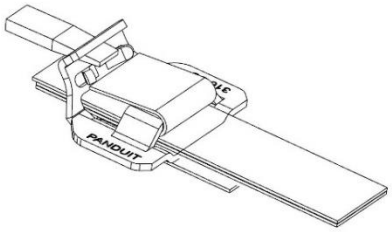
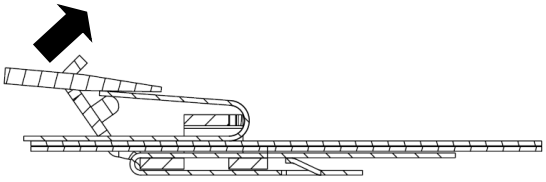
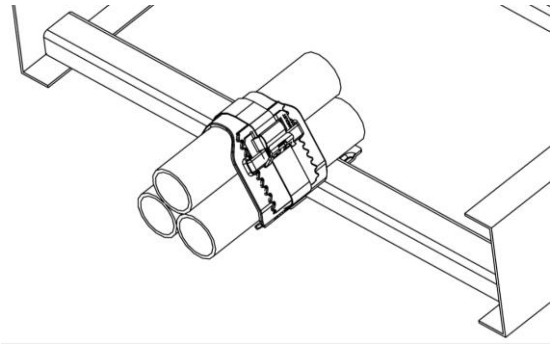


Note: If using detent feature, ensure tension set screw has been set to directed scribe line shown above. Further adjustments may be required after initial installations.

Step	Picture	Description
1		Become familiar with pages 10 and 11 if this is the first use of the tool. When ready, rotate the mandrel by squeezing the front handle repeatedly until lined up with the slot in the nose. From the side, slide the tool so the body material fits in the slot of the nose and mandrel.
2		Slide the nose of the tool to the bridge of the buckle of the strap cleat. Ensure the body is fully seated within the nose and mandrel. Tension body by squeezing the front handle. Repeat until the bodies conform to the shape of the bundle and ensure the buckle does not move.
3		Rotate tool until it touches the buckle. If there are room constraints, rotate the tool as much as possible.

4		While the tool is bent forward, rotate cutter handle towards the cable bundle until the body is cut. The removed piece may be recycled. To avoid losing tension, the tool should then be removed without bending the body.

FINISHING INSTALLATION

Step	Picture	Description
1		Press down on the cutoff end of strap body. The cutoff body should be below the tab opening in the buckle.
2		Insert a 5/16” screwdriver (or equivalent) inside the tab opening of the buckle. The screwdriver must be on top of the cutoff body.
3		Ensure the screwdriver tip remains on top of the cutoff body throughout the buckle tab rotation.
4		Installation is complete.

INTRODUCTION

The BT2HTI Tool installs Panduit buckle strap cleats. Body thickness of the buckle strap cleat is ¾" (19mm) wide by 0.03" (.76 mm).

Note: This tool is not intended for other uses such as cutting or tensioning other types of fastening devices.



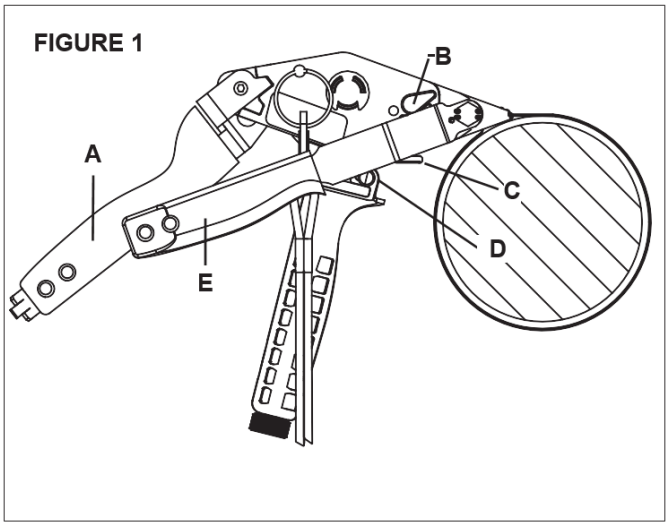


FIGURE 1

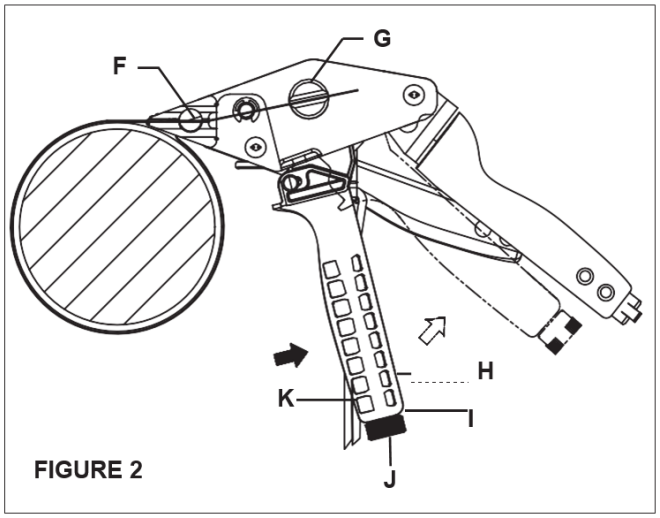


FIGURE 2

TOOL FEATURES

A. Rear Handle

B.* Tension Pawl Release - Knob pointing towards the front of tool for pawl engagement and to rear of tool for disengagement.

C.* Anti-Backup Pawl Release - Lever up against tool for pawl engagement and pulled down to disengage pawl.

D.* Detent Lock Pins - For controlled tension, pull both pins forward. For manual tension, push both pins backward.

E. Cutter Handle - Cuts tie when body is tensioned properly.

F. Cutter Blade

G. Tensioning Mandrel

H.* Tension Indicator Window - Located on the back of front handle.

I.* Adjustment Knob - Adjust tension of strap application.

J. Tension Locking Set Screw

K. Front Handle - With ratchet controlled tensioning.

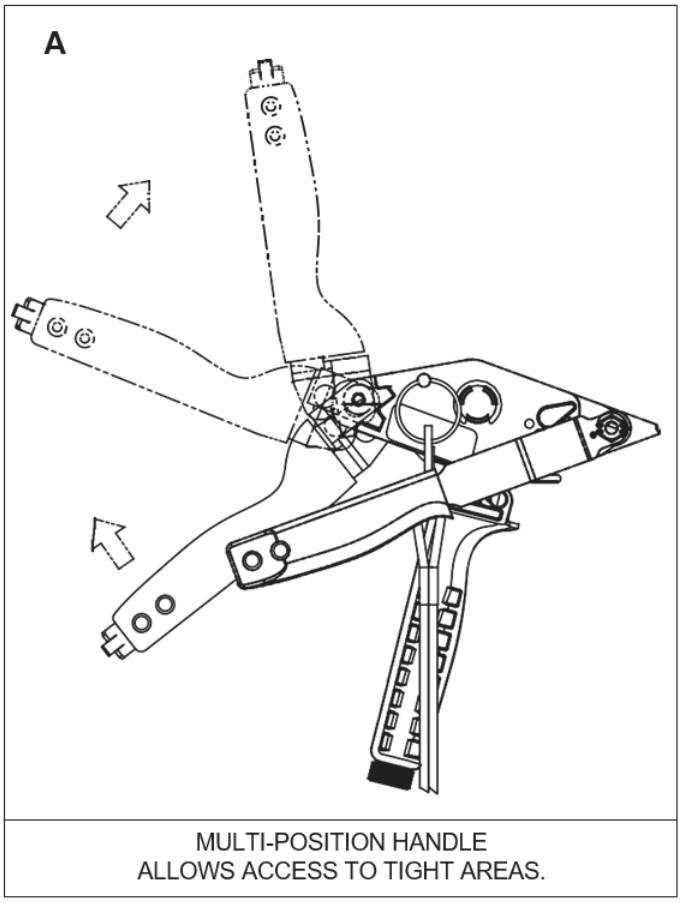
*** See Page 11 for Feature Detail**

TOOL OPERATION

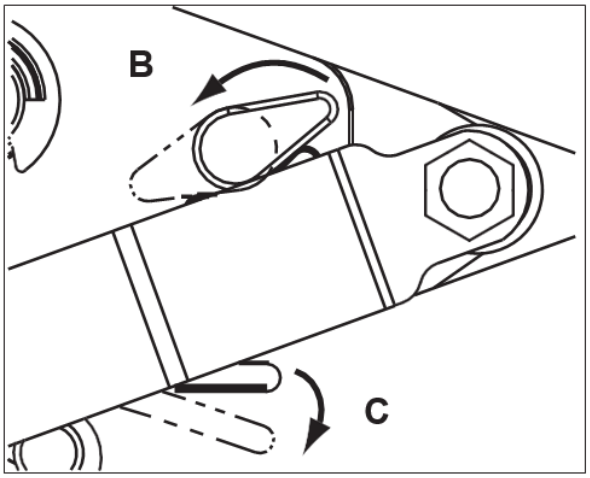
See Page 8.

TOOL MAINTENANCE

TO INHIBIT CORROSION AND MAINTAIN PERFORMANCE OF THE TOOL, KEEP THE METAL SURFACES COATED WITH A LIGHT OIL (WD-40® OR EQUIVALENT). After every 5,000 cuts (or when experiencing a significant increase in cutting force), use a WD-40 aerosol to blow the dirt and debris off of the blade and blade housing area.

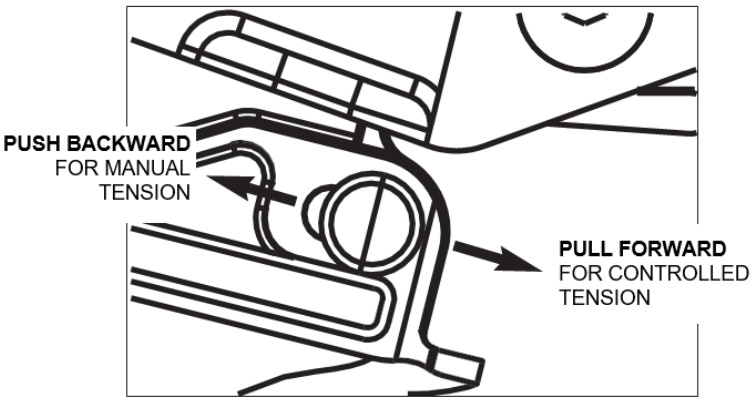


MULTI-POSITION HANDLE
ALLOWS ACCESS TO TIGHT AREAS.

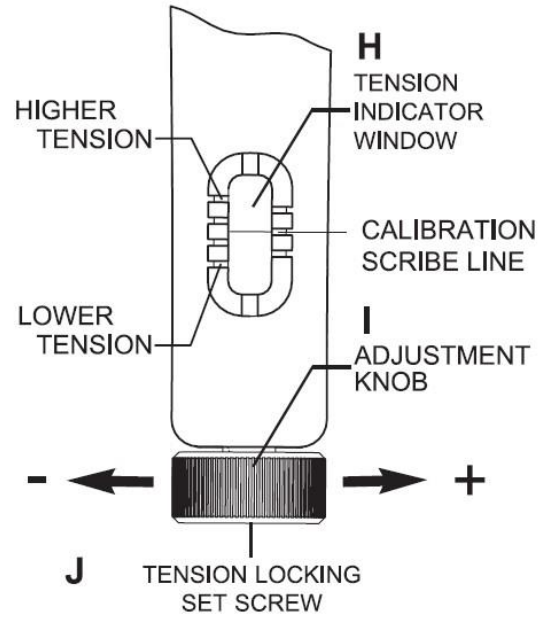


TROUBLESHOOTING

TO RELEASE AND REMOVE STRAP FROM TOOL BEFORE CUTTING, DISENGAGE BOTH KNOB AND LEVER.



The tool tension has been calibrated to the optimum factory performance setting.



If tension adjustments are required, loosen set screw and adjust tension accordingly. (Use 0.050" Allen wrench)