



RW319
Rev. AC [10-2025]

Aluminum Trefoil Cable Cleat

Cable Cleat for the Protection and Support
Of Cables in Trefoil Arrangement

INSTALLATION INSTRUCTIONS

CCALTR Family of Cable Cleats

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**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 this Installation Instructions may be available. Check www.panduit.com for the latest version of this manual.*

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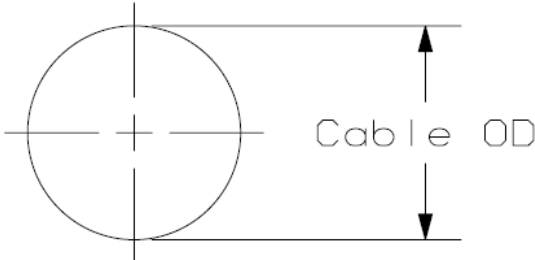
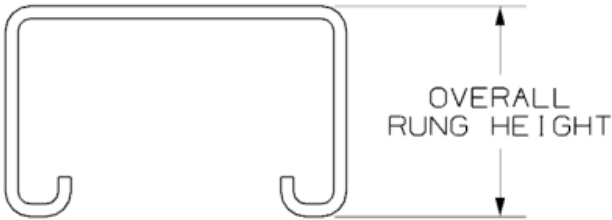
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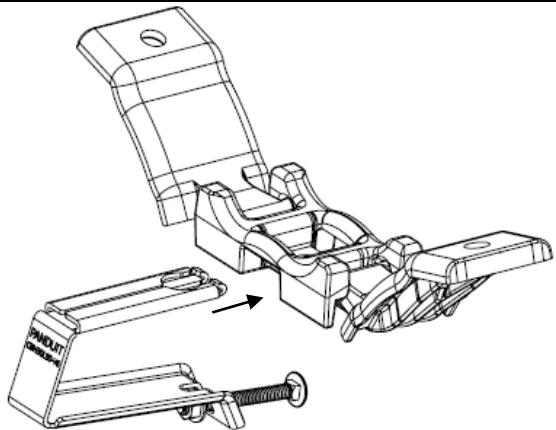
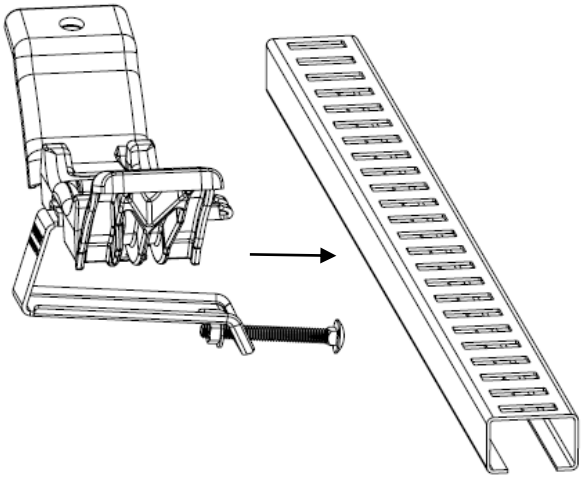
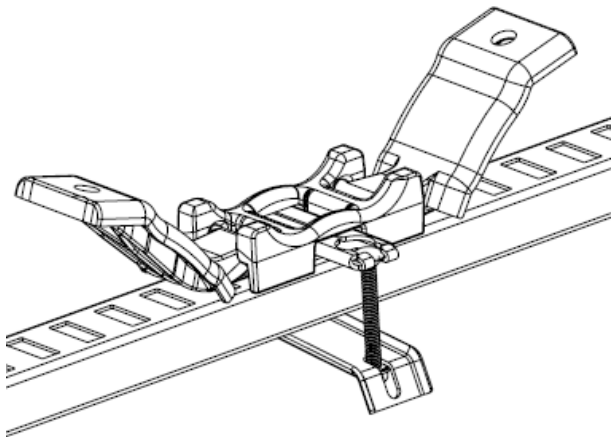
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Preparing for Order

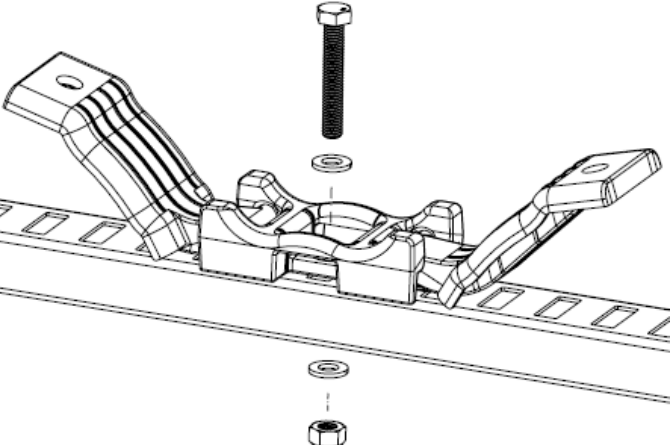
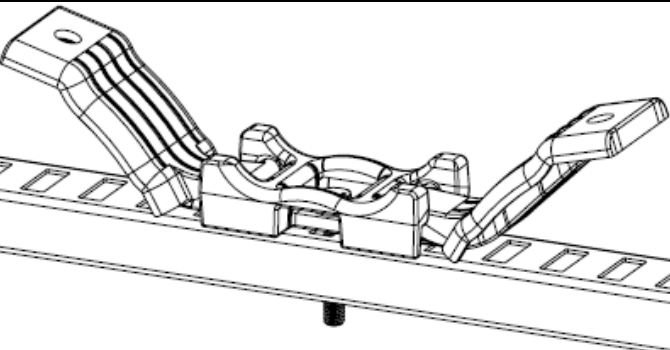
Step	Picture	Description
1	 Contact Us	Contact Panduit Sales for assistance with Cleat and hardware selection.
2		Measure actual diameter of the cables. Select a cleat part number based on the actual diameter of the cables.
3		Measure height of the ladder rung. If using a bracket, reference chart below. If using a bolt, procure M8 or 5/16" hex bolts, washers, and nylon locknuts with sufficient length to pass through the ladder rung.

Rung Height	Bracket Family Number
12mm (.47") or less	CBH15L50
12mm (.47") to 17mm (.67")	CBH20L50
17mm (.67") to 22mm (.87")	CBH25L50
22mm (.87") to 27mm (1.06")	CBH30L50

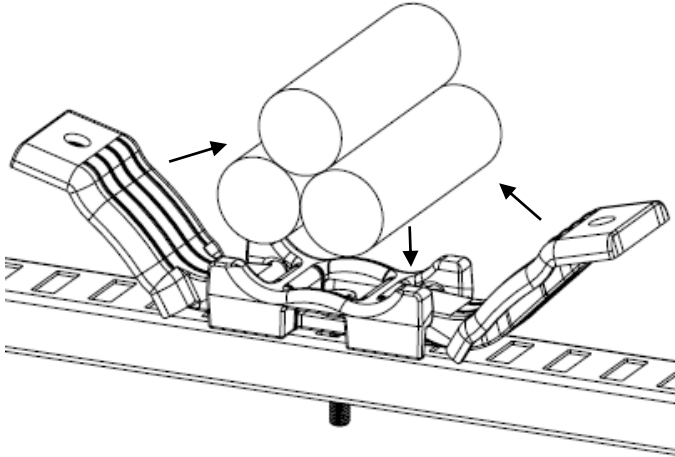
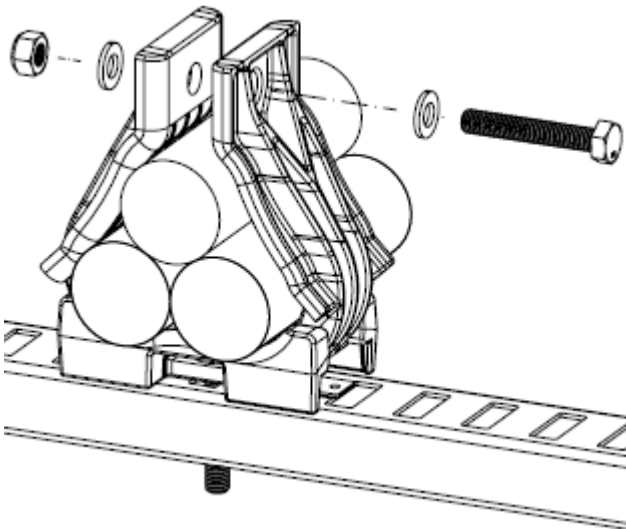
Mounting Method 1: Bracket

Step	Picture	Description
1		Insert bracket into slot in bottom portion of the cleat.
2		Slide the cleat over the rung until centered, with bracket encompassing the rung.
3		Rotate M6 swing bolt until the carriage head rests within the matching opening in the top of the bracket. Tighten to 70 in-lbs [7.9Nm]. Skip to “Securing the Cable” section.

Mounting Method 2: Bolt

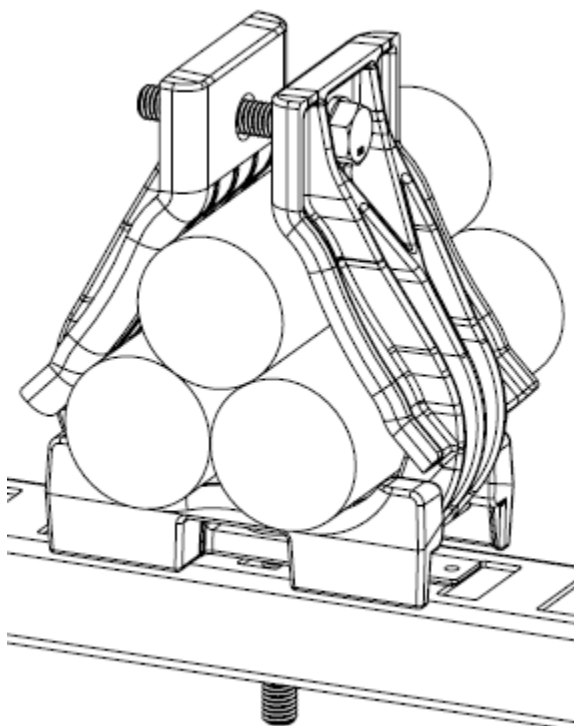
Step	Picture	Description
1		Measure height of ladder rung. Procure M8 bolts with appropriate length to pass through both the cleat and ladder rack. Stainless or Zn-Al coated steel fasteners are recommended.
2		Position the cleat over the appropriate hole in the rung.
3		Assemble securing bolt through the hole in the bottom of the cleat. Tighten to 60 in-lbs [6.8Nm]. Continue to “Securing the Cables” section.

Securing the Cables

Step	Picture	Description
1		Ensure sides are open and place cables in the opening in a trefoil configuration. Close sides around the cables. The center bolt installation is shown. Securing cable procedures are the same regardless of cleat mounting method.
2		Assemble included clamping bolt through the flange. Tighten to 60 in-lbs [6.8Nm].

Galling can occur when threading stainless steel fasteners. The heat caused by friction causes the layers of oxide to cold weld together. If this occurs, threading or removing the fasteners will be very difficult to impossible. Lubricant should be applied to the threads of the bolt in order to reduce the possibility of galling. Lubricating threads will lower the torque requirements by approximately 25% depending on type of lubricant used.

END



Completed product.