

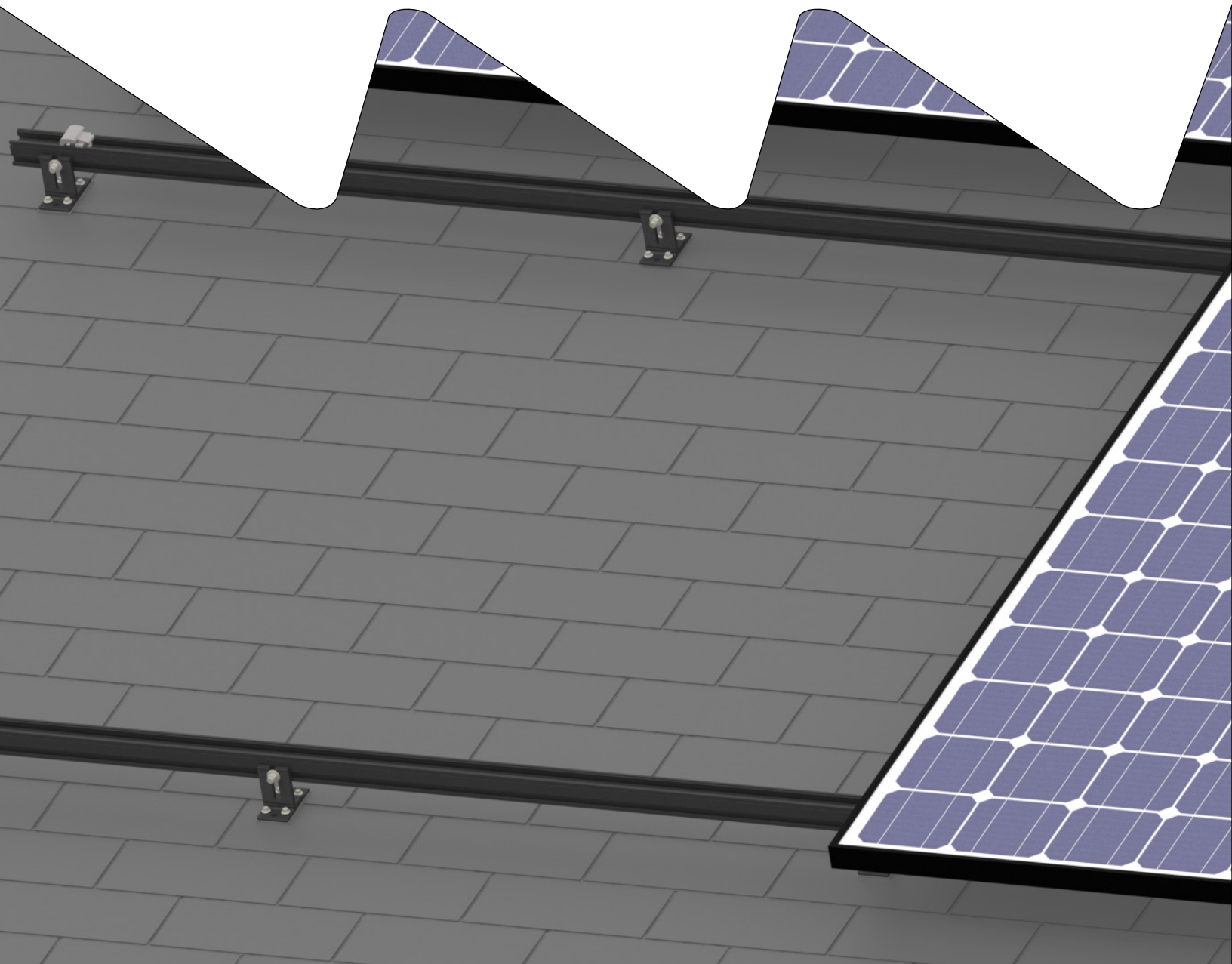


Connecting Strength

K2 Multi Mount



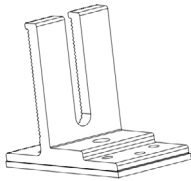
QUICK GUIDE





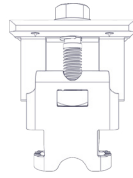
Components

1 4000282/4000284



K2 Multi Mount

2 4000135/4000145



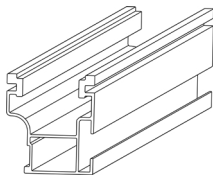
K2 Cross Clamp

3 4000310



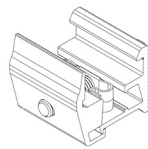
DR #14 x 3" x 5/16 Hex Head Screw

4 Multiple PNs



CrossRail

5 4000769/4000770

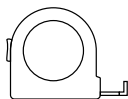


K2 Rail Runner Kit

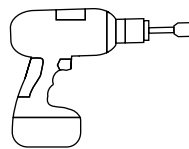
Tools Overview



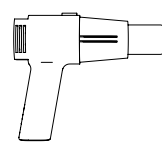
Chalk Line
≥ 3.0 m



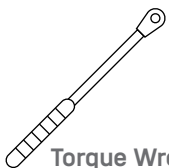
Tape Measure
≥ 6.0 m



Drill



Heat Gun



Torque Wrench
6 - 35 Nm
(4.5 - 22.2 lb-ft)



13mm Socket



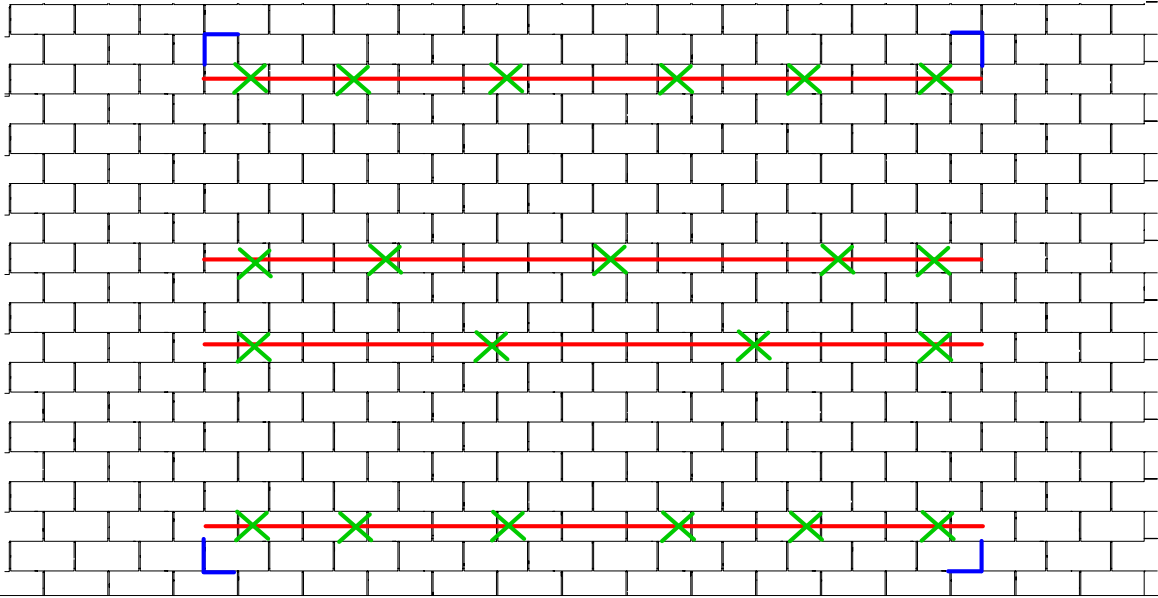
5/16" Nut Driver

Assembly

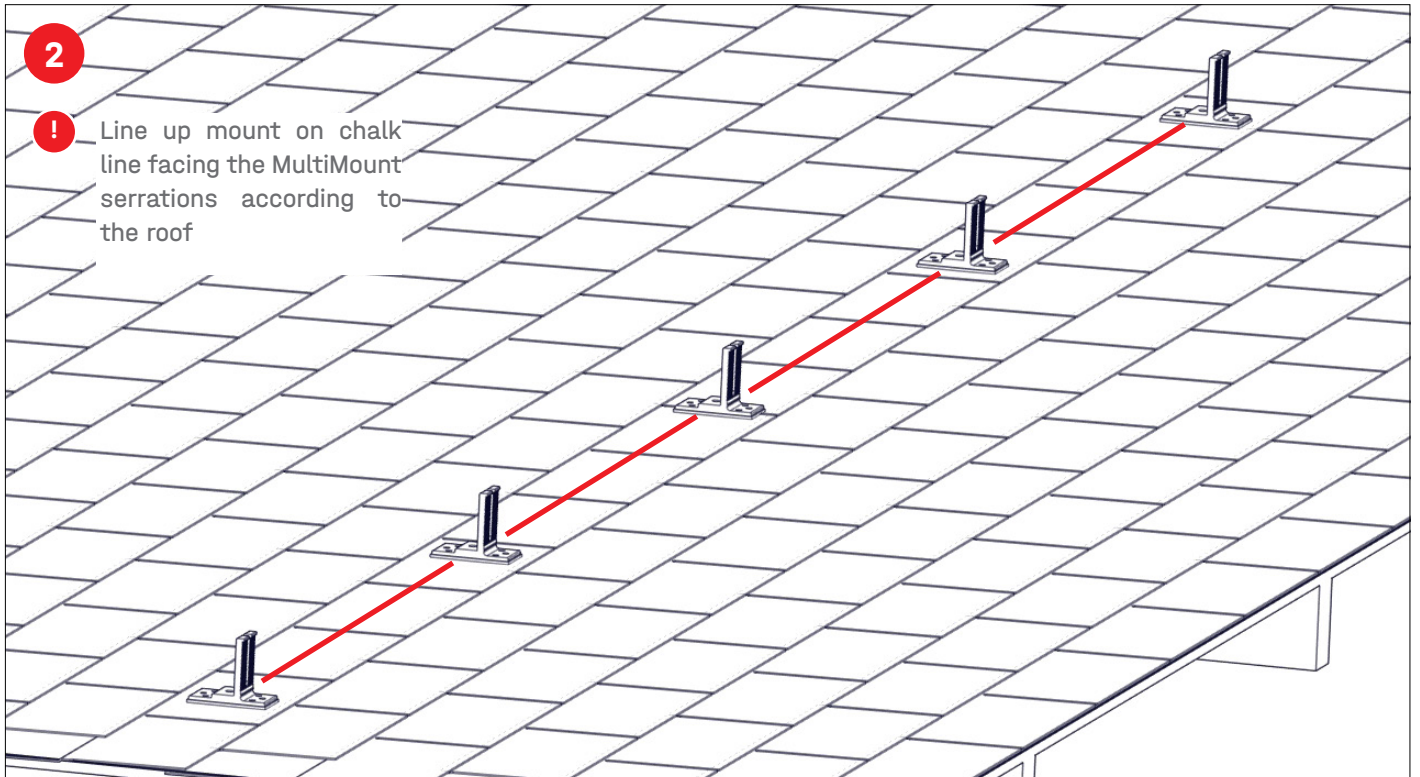


Option 1: Installing with T-Bolts

- 1** Corner out and mark array on roof. Snap chalk lines for rail location within shingle course. (Refer to module manufacturer frame clamping zones). Mark mounting locations over rafters and chalk lines – within shingle course. Refer to engineering letters for allowable mount spacing. It is best practice to stager mounts.



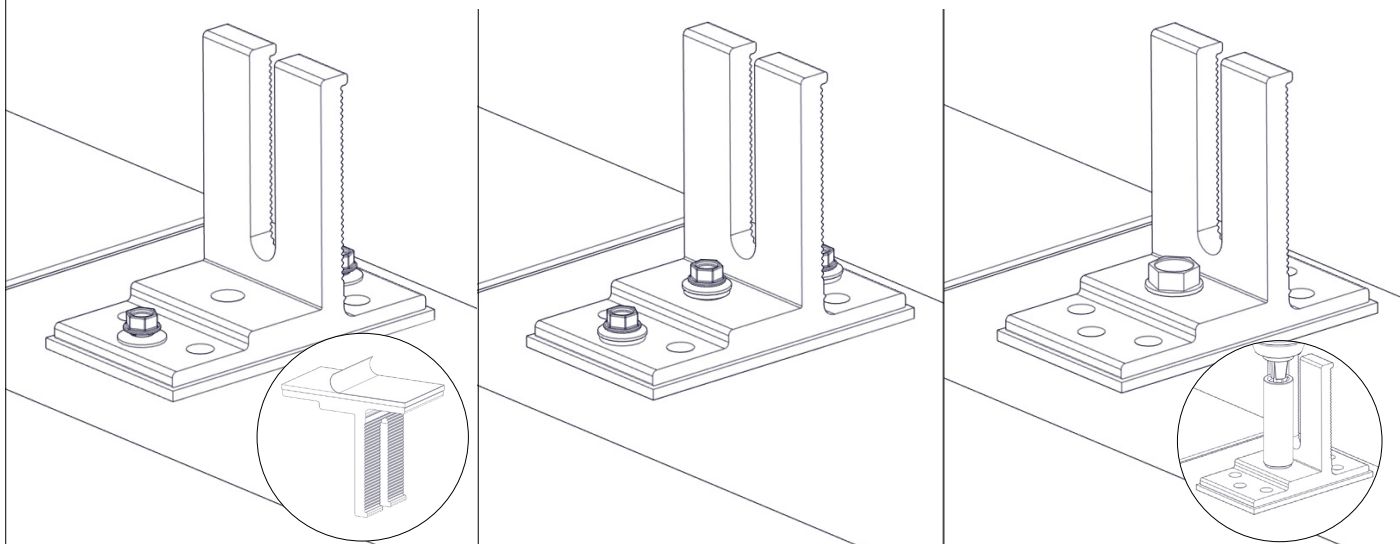
- 2** Line up mount on chalk line facing the MultiMount serrations according to the roof



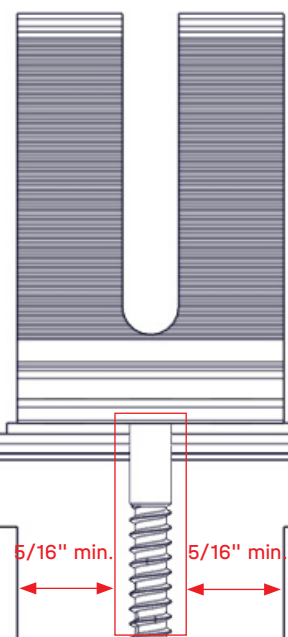
Part B: Mount Placement and Installation for Rafter Connection

! Disclaimer: To maintain flashing performance, avoid installation when the roof and/or butyl temperature is below 22F or above 176F. K2 EverSeal must be installed on a dry surface.

- 1** Locate the rafter and clean roofing surface for mount placement. Peel back protective paper from butyl and stick down mount on a single shingle course with the center hole lining up over the rafter. Position all mounts in the same direction with the long side towards the ridge. Drive chosen lag screws into the rafter until the conical washer stops rotating, providing a positive seal. Do not over-torque. It should be tightened until the conical washer stops rotating. For rafter attach there are three different configurations to ensure a proper installation of the mount.



- 2** **!** The distance from the edge of the rafter and the wood screws must be at least 5/16" from the edge.



Note: Minimum Edge Distance = 1.5D Where D is the diameter of the screw.

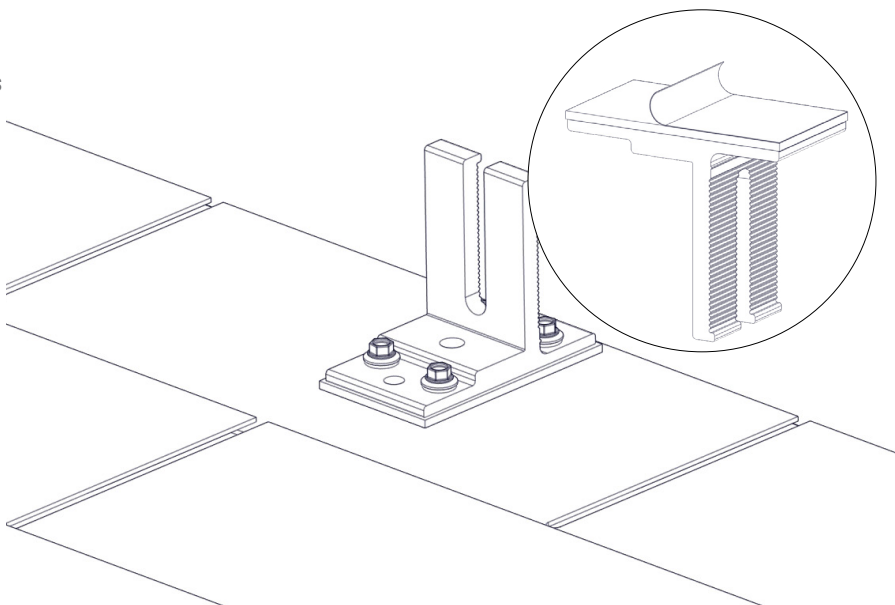
Note: The screw should hit the area that is marked by the red box

Part C: Mount Placement and Installation for Deck Connection

! To maintain flashing performance, avoid installation when the temperature of the roof and/or butyl is below 22F or above 176F. K2 EverSeal must be installed on a dry surface.

1

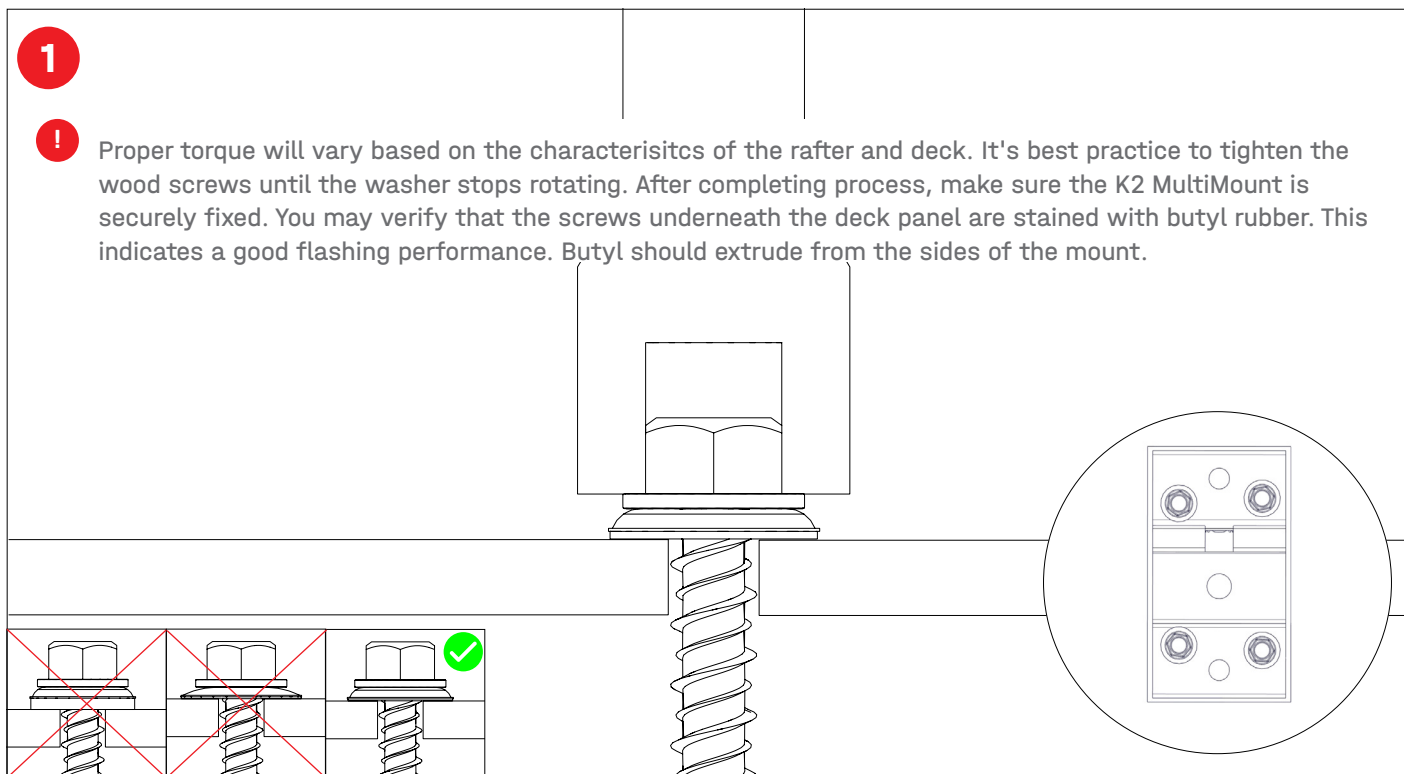
! For deck attachments, follow steps in B2, but only use "4000310 - #14 x 3in x 0.3125in Hex Head Screw". When possible, always attach mounts to the rafter and only use deck attached as a secondary option when rafters are not within mounting zones for the array. Follow K2 engineered calculations and span charts for deck attachments and number of screws to be used (between 4 and 6). Ensure that the mount faces toward the ridge of the roof. When deck attaching check for positive engagement into plywood and avoid plywood seams. It should be tightened until the conical washer stops rotating. For deck use only 4 screws.



Part D: Ensuring Proper Installation

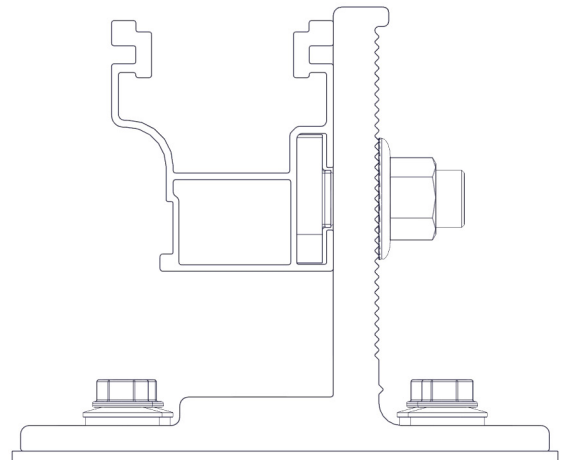
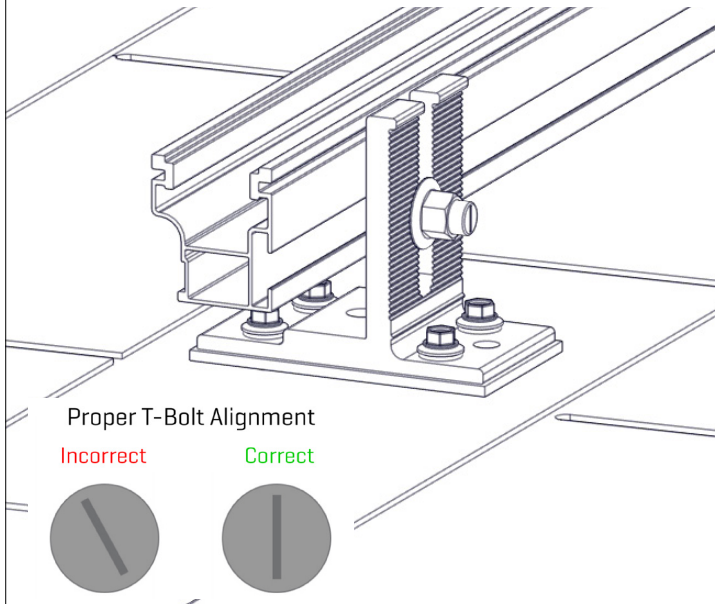
1

! Proper torque will vary based on the characteristics of the rafter and deck. It's best practice to tighten the wood screws until the washer stops rotating. After completing process, make sure the K2 MultiMount is securely fixed. You may verify that the screws underneath the deck panel are stained with butyl rubber. This indicates a good flashing performance. Butyl should extrude from the sides of the mount.





- 2** Position and install rail on back side of K2 MultiMount towards the ridge, as shown in the image. Insert T-Bolt through slot and into side channel of CrossRail. Turn the T-Bolt clockwise ensuring that the mark at the end of the shaft is vertical, indicating proper alignment. Tighten to 25.8 ft-lbs (35 Nm).

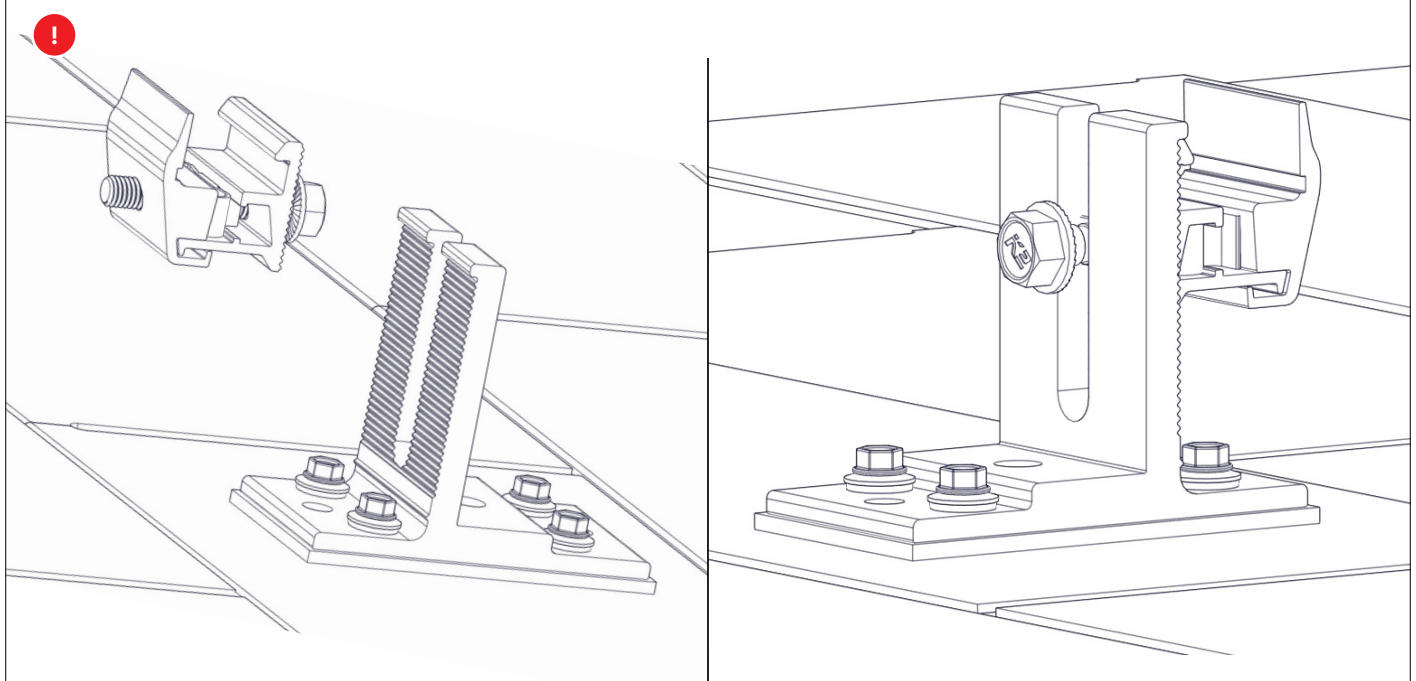


Assembly

Option 2: Installing with Rail Runner (No T-Bolts)

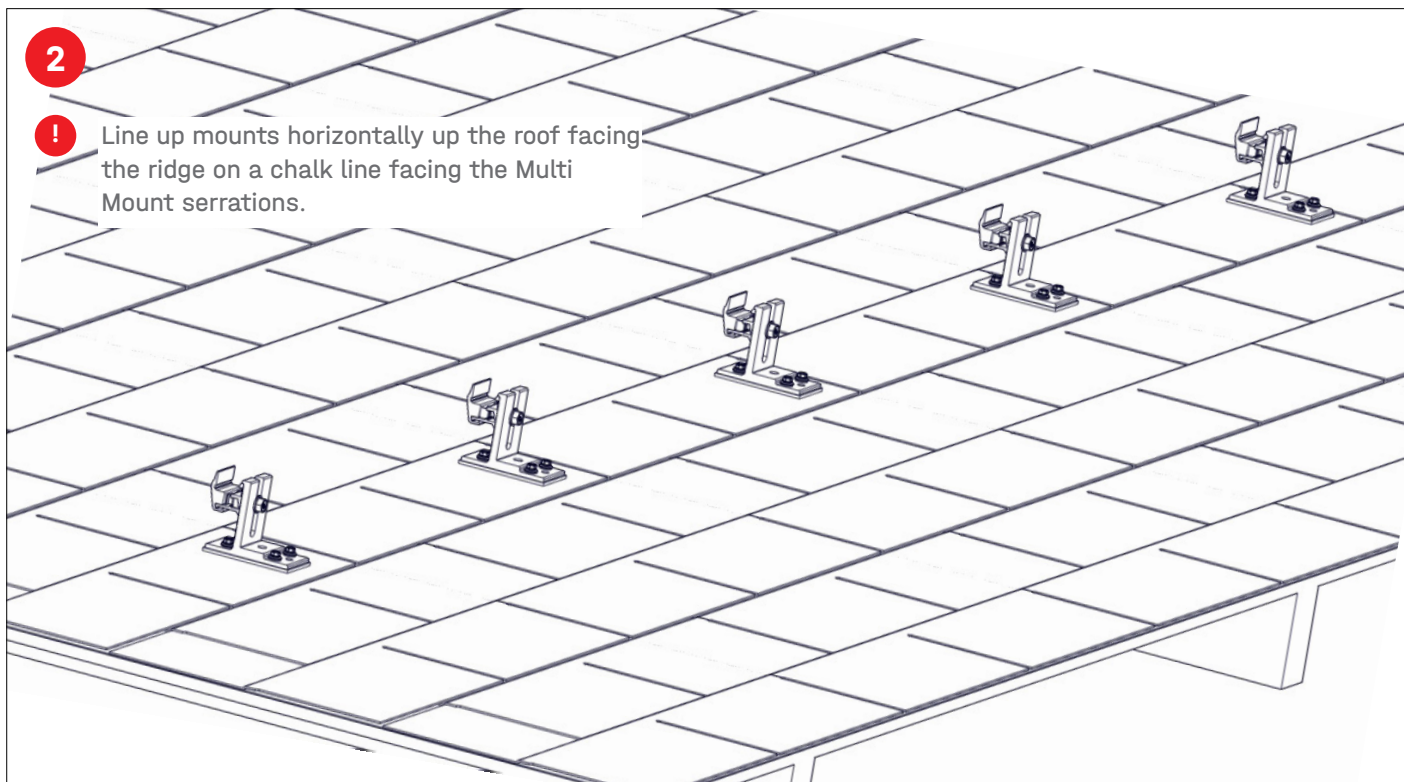
- !** Installation of the Rail Runner onto the Multi Mount, requires the Multi Mount to be installed up the roof facing the ridge.

- 1** Once you attach the Multi Mount, Kit take your Rail Runner and compress it and mount it.



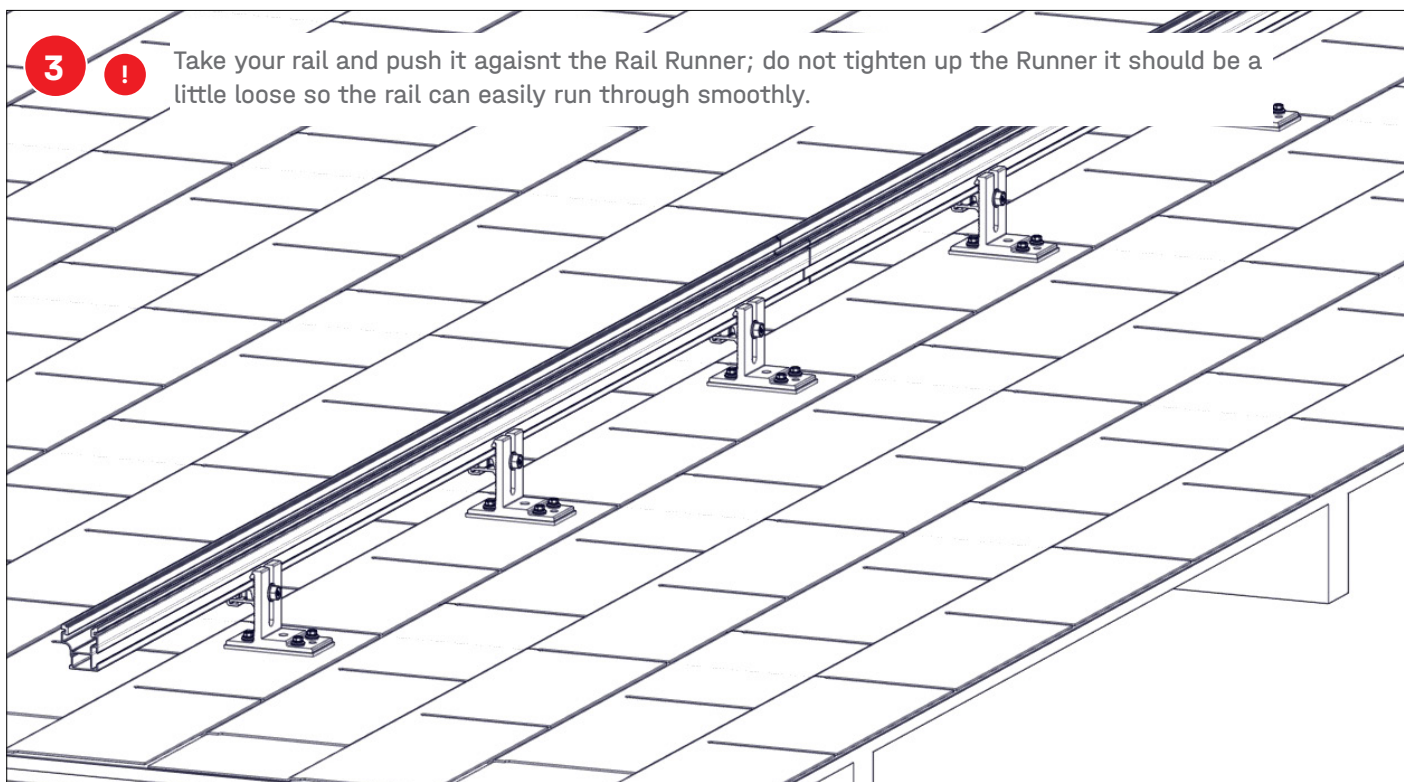
2

! Line up mounts horizontally up the roof facing the ridge on a chalk line facing the Multi Mount serrations.



3

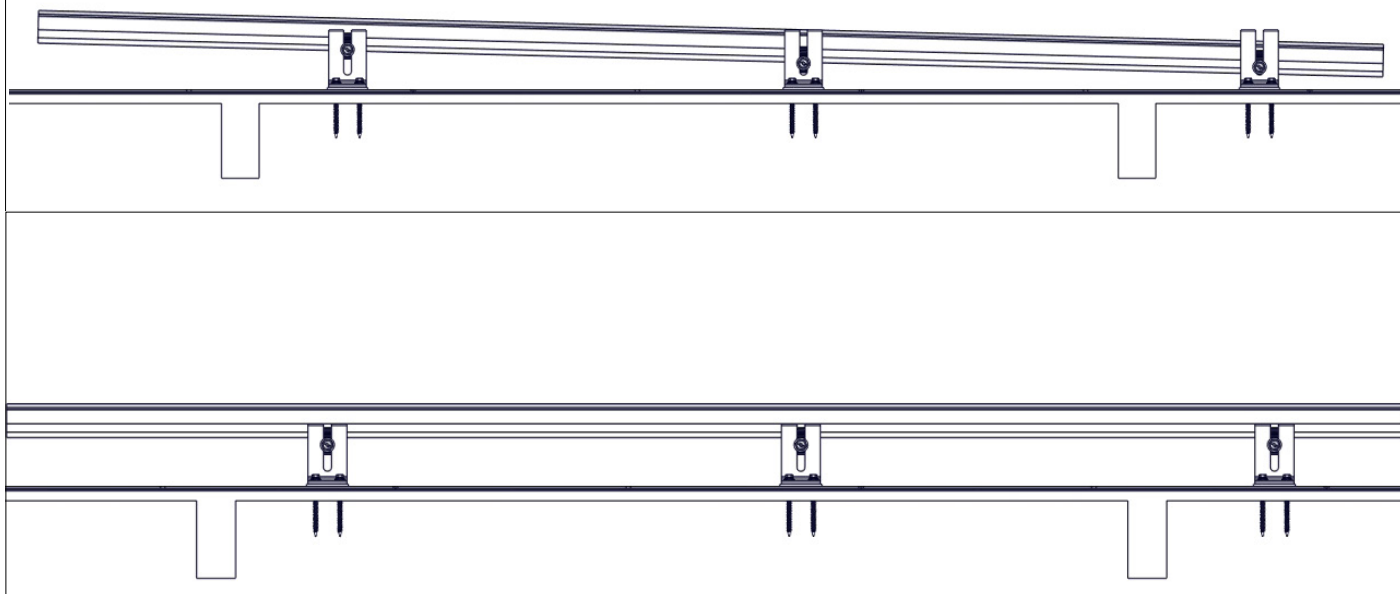
! Take your rail and push it against the Rail Runner; do not tighten up the Runner it should be a little loose so the rail can easily run through smoothly.



4



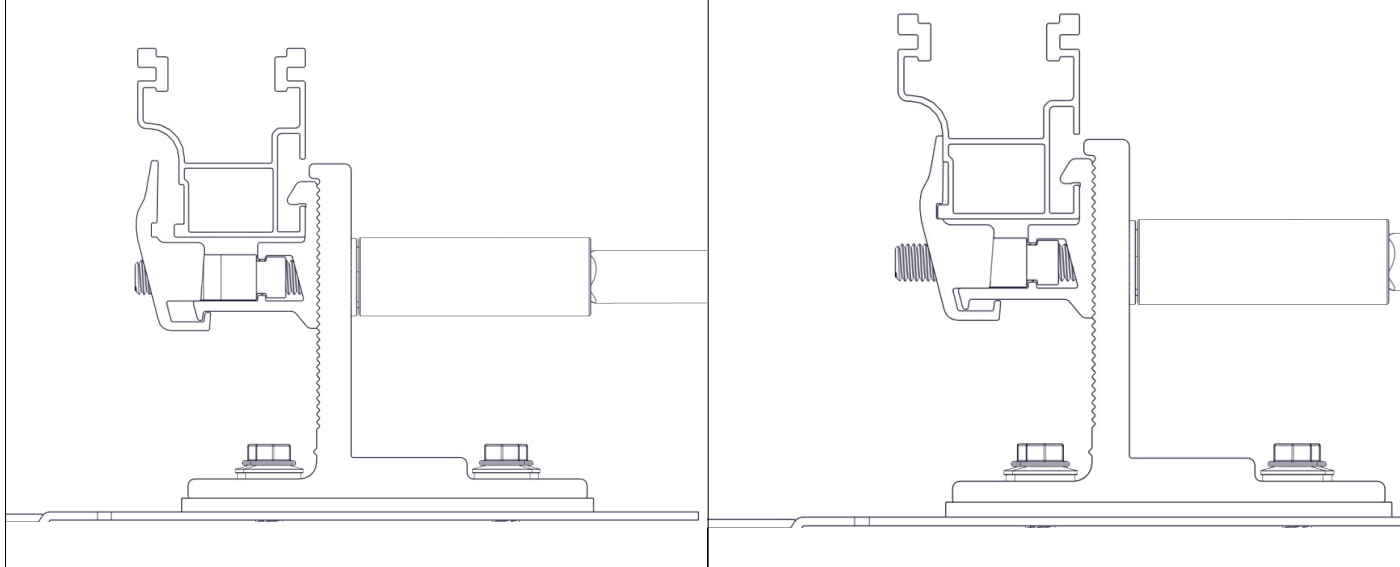
With the rail mounted inside the Rail Runner, adjust to your desired height and fasten.

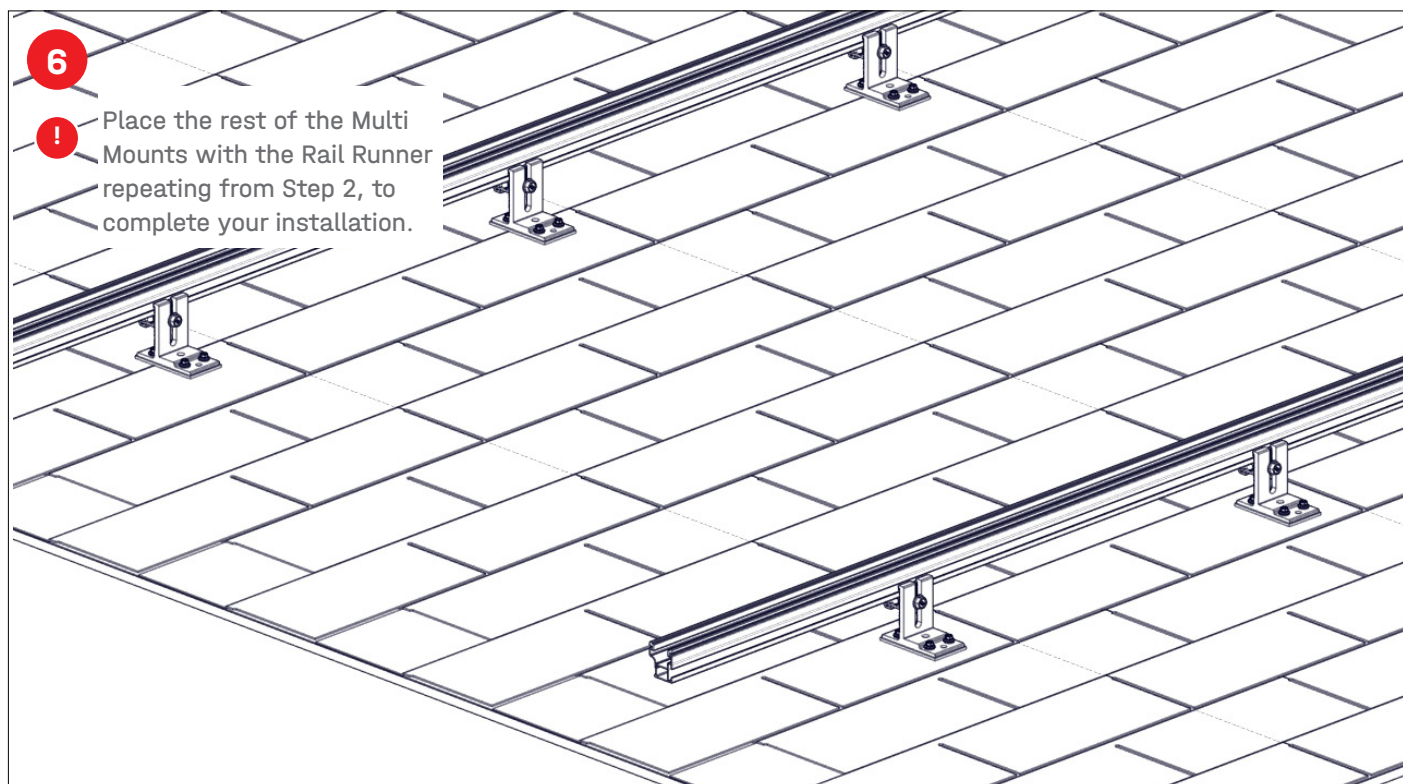


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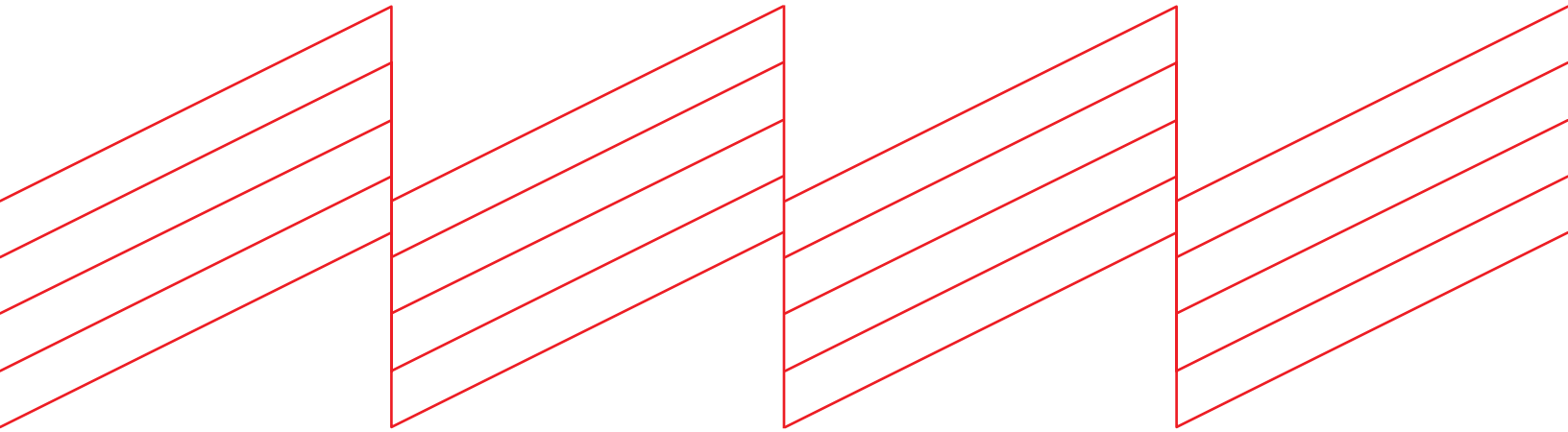
Torque the Rail Runner bolt to 12ft-lbs [16.27 Nm]. The Rail Runner is designed to support your rail and provide maximum engagement.







Connecting Strength



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