

Lab Surface Reinforcement Bars

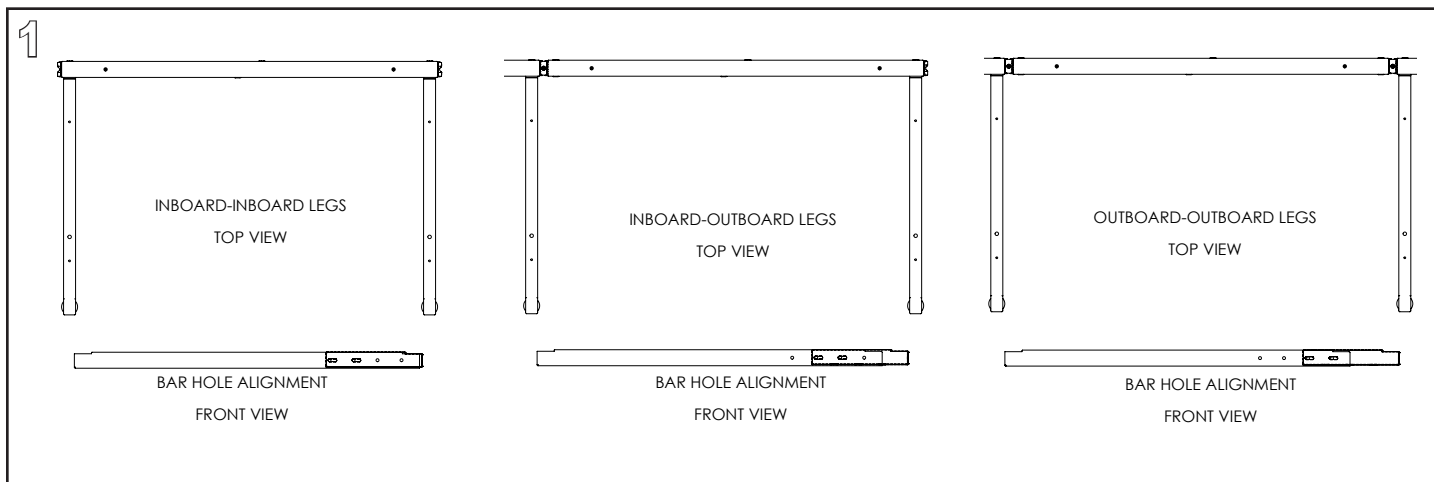
Product Numbers

- LUSRxx

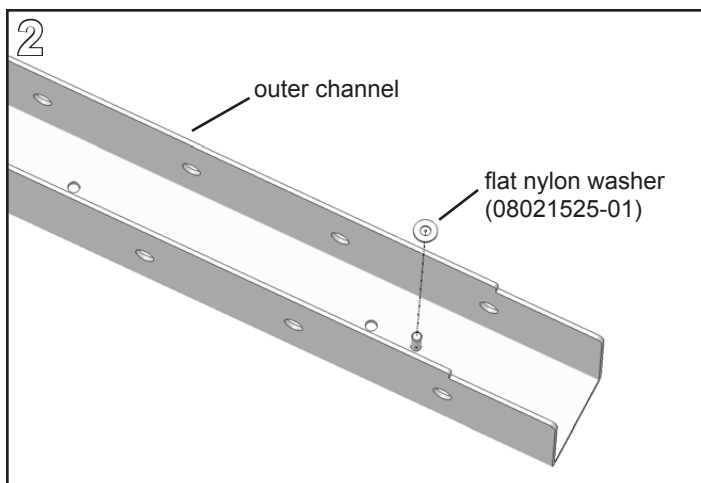
Required Tools

- (2) 5mm Allen Wrenches
- Torque Wrench with 5mm Bit
- 3/8" Nut Driver

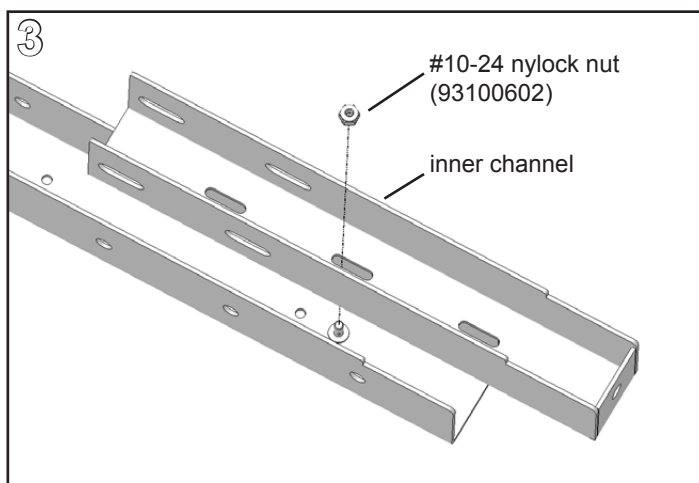
Hardware Pack: LUSRHP (p/n 09071503-01)



Determine leg configuration at location where Reinforcement Bars are to be installed. Note the required position of the slots in the inner channel relative to the holes in the outer channel shown in the corresponding "Bar Hole Alignment" views (the inboard-inboard configuration is shown throughout the remaining steps of these instructions).

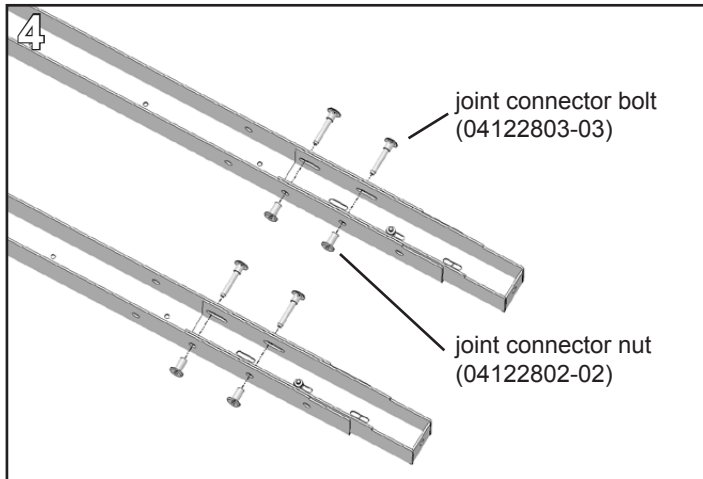


Place a nylon washer on the PEM stud on the outer channel of each reinforcement bar.

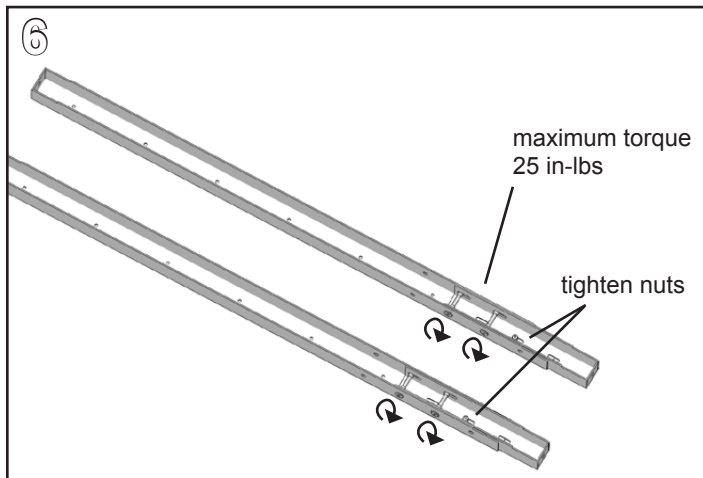


Position the Reinforcement Bar inner channels on the inside of the outer channels as indicated in step 1. The PEM studs will align with one of the slots in the bottom of the inner channel. Loosely fasten with a #10-24 nylock nut.

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Insert a joint connector bolt and nut through the outer channel holes and through the appropriate inner channel slot location. Do not fully tighten.

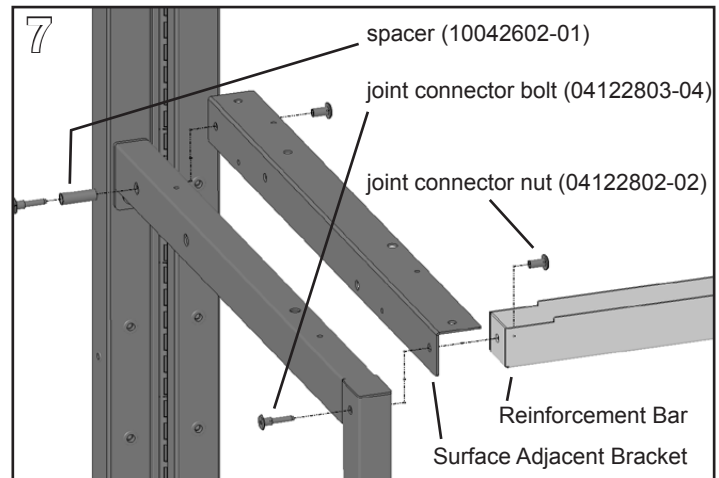


Tighten connections at the bar joints to a maximum torque of 25 in-lbs. using a **Torque Wrench with 5mm Bit**. Then fully tighten the nut on the PEM stud in each of the channels with a **3/8" Nut Driver**.

5 Reinforcement Bar Length Setting

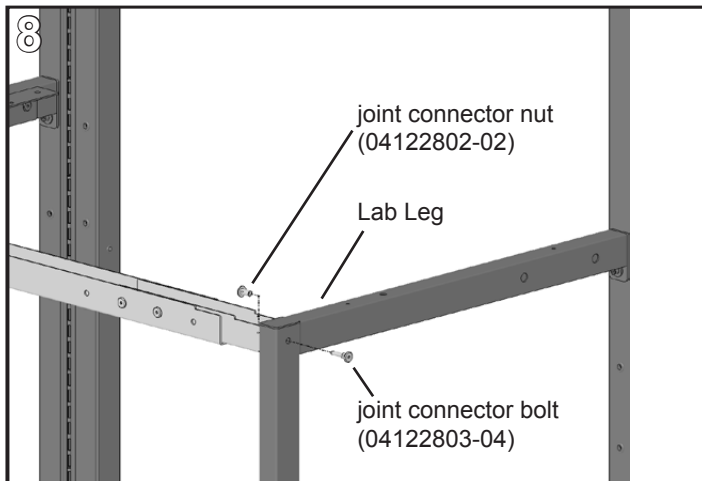
| End-to-End Length | | | |
|-------------------|----------------------|-----------------------|------------------------|
| Surface Width | Inboard-Inboard Legs | Inboard-Outboard Legs | Outboard-Outboard Legs |
| 48" | 43-1/2" | 46-3/8" | 49-5/16" |
| 60" | 55-1/2" | 58-3/8" | 61-5/16" |
| 72" | 67-1/2" | 70-3/8" | 73-5/16" |

Based on the configurations shown in step 1 and the surface width to be mounted over the bars, slide the inner channel in or out of the outer channel until the end-to-end length of the Reinforcement Bar assemblies meet the dimension listed in the table above.

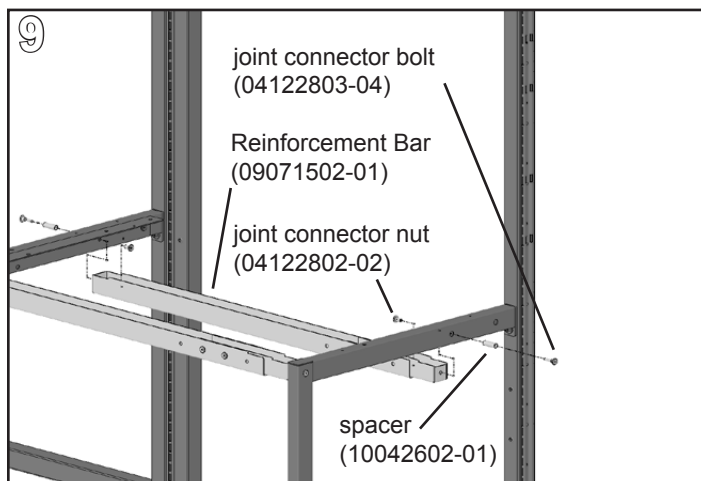


If using in conjunction with a Surface Adjacent Bracket, align the end of the Reinforcement bar with the front hole of the bracket. Insert a joint connector nut through the holes and then fasten to the Lab Leg with joint connector bolt. For 30" and deeper Lab Legs, also secure the back of the Adjacent Bracket by inserting a spacer through the rear Lab Leg hole and securing with a joint connector bolt and nut.

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Attach the other end of the Reinforcement Bar to the second Lab Leg with a joint connector bolt and nut. Fully tighten both connector bolts in legs using two **5mm Allen Wrenches**.



Insert the other Reinforcement Bar assembly between the Lab Legs (bring up from below if using an Adjacent Bracket) 19-7/8" back from the front Reinforcement Bar. Insert spacers through the Lab Leg holes and then fasten with joint connector nuts and bolts. Fully tighten both connector bolts in legs using two **5mm Allen Wrenches**.