



Stair Riser Connector

For 7-Step

Installation Instructions



Canadian Version

Model 2611

Contents:



1x Stair Riser Connector



4x 1/4" carriage bolt



4x 1/4" flat washer



4x 1/4" lock washer



4x 1/4" hex nut



1x 3/8" hex bolt



2x 3/8" flat washer



1x 3/8" lock washer



1x 3/8" hex nut

CAUTION Before beginning work, read and follow DETAILED instructions below or from www.peakproducts.com. Building codes may vary. Always understand and comply with your local building codes. Important: For stairs up to 4' wide, use two risers. For stairs over 4' wide, space risers not more than 2' apart. For all stairs, treads may overhang the end risers by 6".

WARNING No representation or warranty is given that your particular application of these products complies with relevant building codes. Therefore consult with professionals and local building officials before beginning work: (i) to ensure compliance with relevant building codes for your application; (ii) to identify appropriate safety gear that is to be used during installation such as a safety harness when working above ground; (iii) to ensure that the work area is free from utilities, services and hazards; and, (iv) to clarify any instructions or warnings that may not be clear. It is the responsibility of the installer to evaluate the conditions and determine the appropriate hardware and procedure. Failure to do so could result in personal injury, damage to the product, or other damage. Work in a safe manner wearing protective gear such as gloves, eyewear, headwear, footwear and clothing. When using tools always comply with operation manuals and instructions. Metal and other materials may have sharp edges and could fragment or splinter during or as a result of handling or cutting. Do not use these products in connection with any substance that is or may be harmful or corrosive to the products. Inspect and maintain these products on a regular basis.

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Tools and Materials Needed

All applications:

Hammer	Drill bits for metal: 5/16", 7/16"	1/4" Flat washer
Measuring tape	9/16" Hex Driver Bit	1/4" Hex nut
Level	Wrench: 7/16", 9/16"	2x6 Stair treads
Drill	#10 x 1 1/2" Wood screws	4x4 Posts
Drill bits for wood: 9/32", 5/16"	1/4" x 2" Lag bolts	2x4 Bracing
	16d x 3 1/2" Common nails	

Attaching to wood surfaces:

3/8" x 3 1/2" min. lag bolts

Attaching to concrete surfaces:

Hammer drill
Drill bit for concrete: 3/8"
3/8" x 3" Concrete anchors

1

Stair Riser Connector

Stair Riser

parallel

Stand risers upside down and end-to-end on a flat surface. Slide Connector over the joint area, and then move horizontally as needed to ensure Connector is fully seated in the right direction on the risers.

2

A

B

C

Step

Top plate

A: Use three clamps (i, ii, iii) to secure Connector and risers at each joint.
B: Turn the assembly right way up, then use a 7/16" drill bit for steel to drill a hole through the step at the pre-drilled location on the top plate.
C: Fasten step to top plate using 3/8" bolt, nut and washers.

3

A

B

A: Use a 5/16" drill bit for steel to drill eight holes through each square slot on the Connector.
B: Secure Connector to risers using four 1/4" bolts, nuts, washers, and spring washers.
C: Repeat steps 1-3 for all Connectors and risers.

4

9"

Determine the location of all risers and make sure top tread support is 9" down from upper deck surface (7 1/2" once tread is installed). Then for each riser, mark the three fastener locations on the deck rim and lower deck surface.

5

For **SPF wood applications**, drill 9/32" pilot holes at the three fastener locations and attach riser using 3/8" x 3 1/2" min. lag bolts (not provided).
For **concrete applications**, use 3/8" x 2 1/2" min. wedge anchors (not provided) and follow manufacturers' installation instructions.

6

Measure and cut 4x4 wood post (not provided) to fit between Connector and lower deck surface. Then secure 4x4 wood post to Peak 4x4 Bolt Down with eight 1/4" x 2" lag bolts (not provided), or Peak 4x4 Post Holder using four 16d x 3 1/2" common nails (not provided).

7

A: Secure 4x4 wood post to Connector using four #10 x 1 1/2" screws (not provided).
B: For Peak Bolt Down only:
For **SPF wood applications**, secure to lower deck using four 3/8" x 3 1/2" lag bolts (not provided).
For **concrete applications**, use four 3/8" concrete anchors (not provided) and follow manufacturers' installation instructions. Concrete strength must be 20 MPa (3000 psi) minimum.

8

1"-2"

1"-2"

Measure and cut 2x4 wood braces (not provided). Use #10x2-1/2" screws (not provided) to secure wood braces (two screws at each connection).

9

Drill 5/16" holes through 2x6 treads (not provided) at required locations, then fasten 2x6 treads to risers using 1/4" x 2" carriage bolts, nuts and washers (not provided).