

Inline stair post & UAB

Set the brackets first. Use a straightedge to position the posts.

UABB = universal angle bracket bottom. All measurements are in inches. Measure from the top of the 2¼-inch post body, excluding the welded flange.

SIDE VIEW / POSITION POSTS BEFORE FASTENING

Bottom inline post

UABB rests directly on top of straightedge.

Fasten base to tread after positioning.

2x4 or long level

Rest it along the tread nosings.

Upper post

28½"

Schematic only - not to scale

1 Pre-install the UABBs on the inline posts

Before mounting the bottom or middle inline posts, fit their UABBs. Measure down to the **top of each backing plate**: **27¼"** on the bottom inline post; **27¼" uphill / 28" downhill** on a middle inline post. See page 2.

2 Set the brackets on the upper post

Lay a straight 2x4 or long level along the stair tread nosings and extend it to the upper post. Fit the bottom UAB where the **top of the straightedge meets the post**, so the bracket rests on it. Measure **28½" up from the top of the bottom bracket backing plate to the bottom of the top bracket backing plate**. Fit the top UAB.

3 Position and fasten the bottom inline post

Keep the same straightedge in place. Move the bottom inline post on its tread until the **pre-installed UABB sits directly on top of the straightedge**. This sets the post position. Screw the post base down into the tread.

4 Position a middle inline post, if required

Use the same straightedge and repeat step 3 for each middle inline post. Position it near the top-rail joint, with its pre-installed UABBs resting on the straightedge, then screw its base down into the tread.

Fit the rails & finish

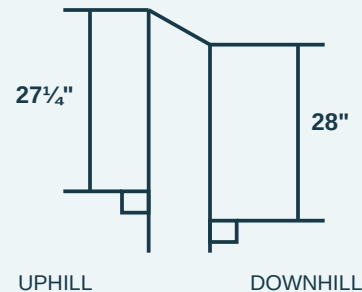
Complete the post positioning on page 1 before fitting the rails.

Middle inline post: pre-install both UABBs

Measure vertically from the top of the post body on each side to the **top edge of that side's UABB backing plate**. Exclude the welded flange.

Uphill side: 27 $\frac{1}{4}$ "

Downhill side: 28"



5 Prepare the top rail

For a single rail, measure from inside the upper post's top UAB to **2" past the bottom inline post**. Cut the rail to fit.

For a longer run, tap the two-piece splice **3" into the first top rail** and secure it with a screw. Tap the second rail onto the splice until the ends meet, then secure it with a screw. Trim both outer ends to fit, keeping the joint near the middle inline post.

6 Install the top rail

Fit the top rail into the upper post's top UAB and onto the bottom inline post. For longer runs, fit it into the grooves in the inline posts and fasten it to the middle post.

7 Install the bottom rails

For glass, reinsert the plastic inserts before fitting the bottom rails. Measure between the UABBs, cut each bottom rail to fit, and secure it in the brackets. Fit a support leg under the centre of each bottom rail section.

8 Finish the railing

Tap the end cap into the top rail at the bottom of the stairs. Install the pickets or glass. Keep spacing between pickets to a maximum of **3 15/16"**.

Railing height reference: The original guide specifies 34-36", measured vertically from the stair tread nosing to the top of the top rail.