

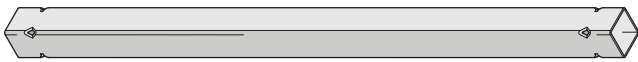
TWISTLOK™ BRIDGING

STRATCO TWISTLOK™ BRIDGING INSTALLATION GUIDE

COMPONENTS

Bridging Struts

Intermediate Bridging Strut - Spaces purlins parallel to one another at an equal distance apart.



Bridging (Single End) - Supports girts by connecting to fascia bridging.



Bridging (Single End Notched) - Acts as Intermediate Bridging, with end plate for connecting to an expansion joint strut.

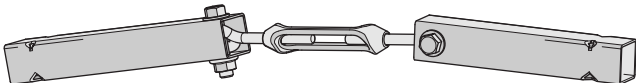


Bridging (Double End) - Joining member used in expansion joints.



Adjustable Ridge Bridging

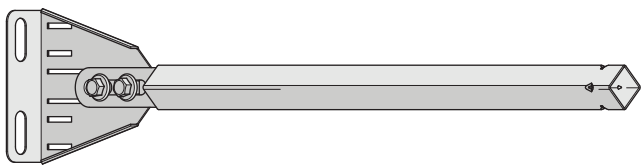
Connects ridge purlins. Adjustable for straightening.



Adjustable Bridging

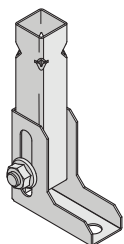
The Adjustable Bridging Assembly can be fixed to purlins with either a square Twistlok™ hole, standard bridging holes with Locking Clip, or standard bridging holes with purlin bolts.

Adjusts to allow purlins to be straightened.



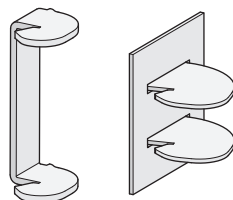
Girt Foot

Connects girts to slab. Adjustable for straightening girts.



Locking Clips

Used with the Adjustable Bridging for a boltless connection to purlins.



INTERMEDIATE BRIDGING

Twistlok™ components can be individually installed from any point in the bridging run. Slide one end of the Intermediate Bridging Strut through the purlin. Then slide the other end of the strut through the next purlin.

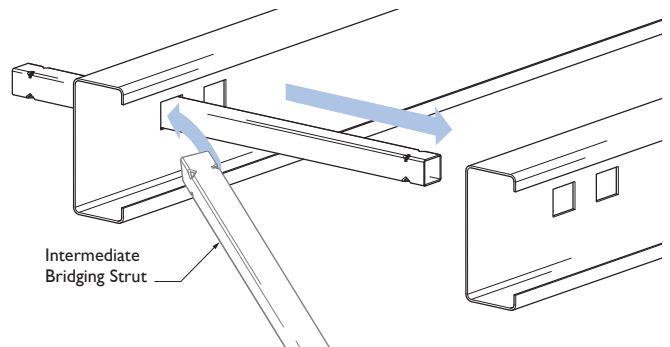


Figure I.0

Line up the slots in the strut with the square purlin holes. Use a 30mm spanner to rotate the strut 45 degrees. This will lock the strut into the purlins.

Note - When locking the strut in-place, ensure the 'V' grooves are facing the vertical sides of the purlin hole. The 'Y' shaped grooves must be facing the horizontal sides (Figure I.1).

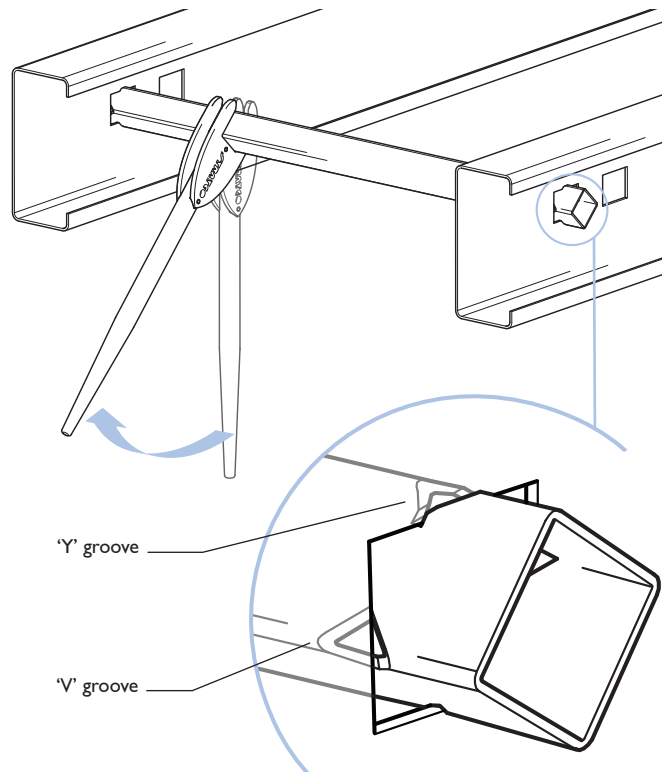


Figure I.1

ADJUSTABLE FASCIA BRIDGING

TWISTLOK HOLE WITH LOCKING CLIP

Fit the Twistlok™ Locking Clip through the Twistlok™ purlin hole.

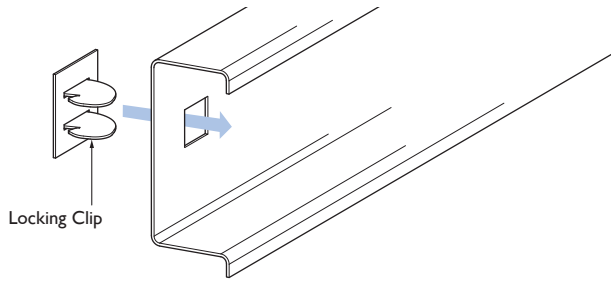


Figure 2.0

Fit the Purlin Bracket into the Locking Clip. The Locking Clip tabs feed through the corresponding slots in the Purlin Bracket.

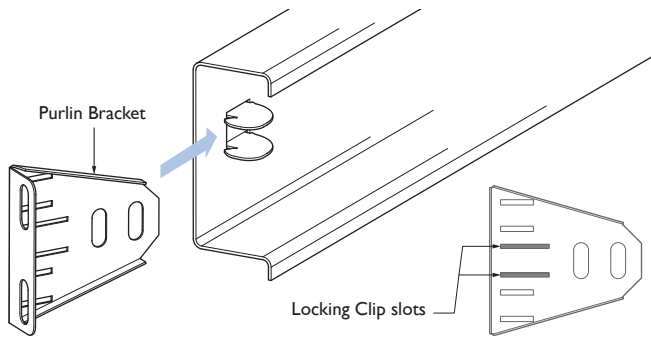


Figure 2.1

Rotate the Purlin Bracket to lock it in-place.

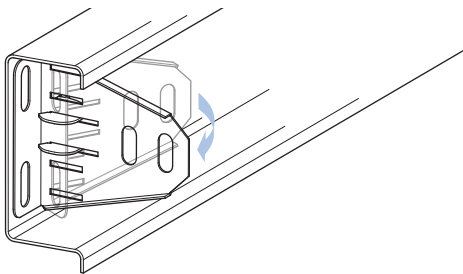


Figure 2.2

Feed the open end of the Bridging (Single End) into the purlin. Use a 30mm spanner to rotate the strut so that it locks into the purlin (Figure 1.1).

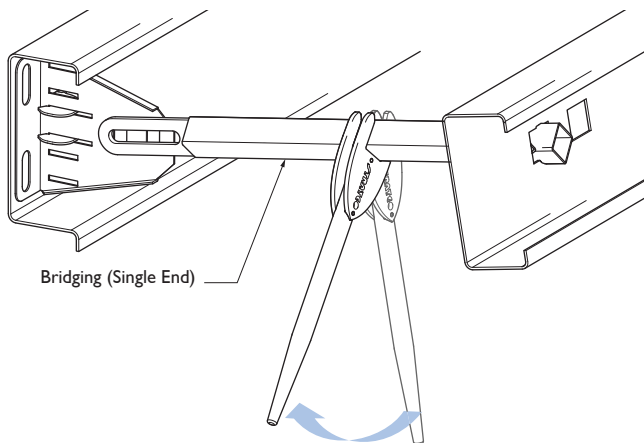


Figure 2.3

Fasten the Bridging to the Purlin Bracket using two M12 Purlin Bolts through vertical slots in the Purlin Bracket. Align purlins and lock in place.

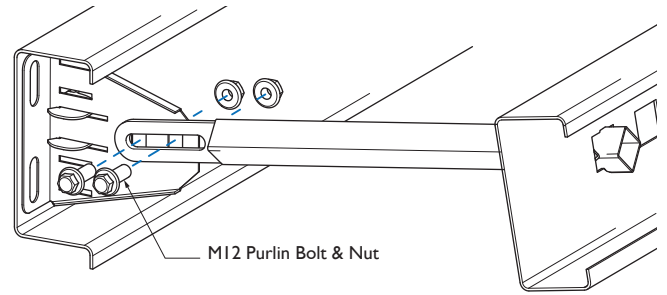


Figure 2.4

STANDARD BRIDGING HOLES WITH LOCKING CLIP

Fit the Conventional Locking Clip through the purlin holes. Fit the Purlin Bracket to the Locking Clip. The Locking Clip tabs feed through the corresponding slots in the Purlin Bracket.

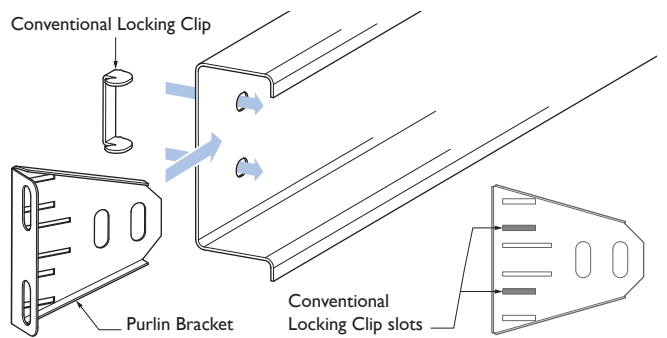


Figure 2.5

Rotate the Purlin Bracket to lock it in-place.

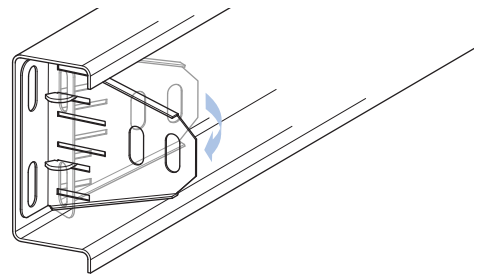


Figure 2.6

Feed the Bridging (Single End) into the purlin and lock in-place (Figure 1.1). Fasten the Strut to the Purlin Bracket using two M12 Purlin Bolts.

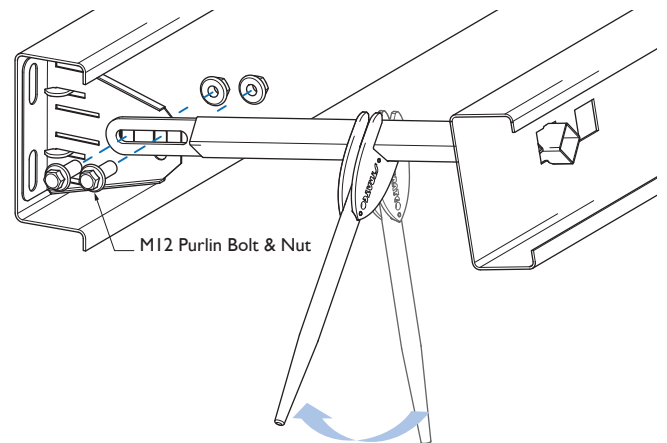


Figure 2.7

STANDARD BRIDGING HOLES WITH PURLIN BOLTS

Feed the Bridging (Single End) into the purlin and lock in-place (Figure 1.1). Fasten the Purlin Bracket to the purlin using two M12 Purlin Bolts. Tighten the two M12 Purlin Bolts connecting the strut and Purlin Bracket.

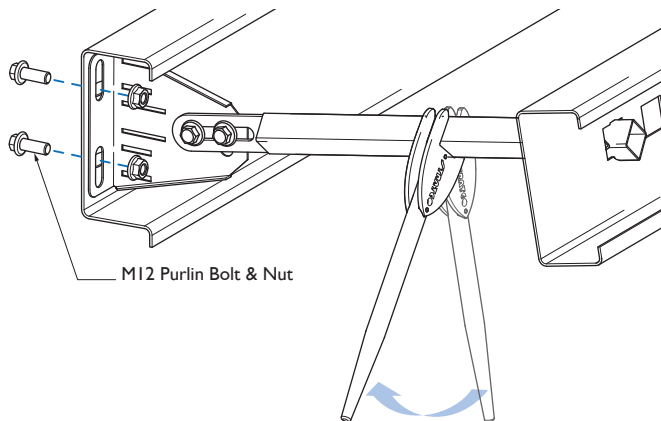


Figure 2.8

GIRT HANGER

Feed the Girt Hanger into the girt and lock in-place (Figure 1.1). Connect the Girt Hanger to the Purlin Bracket using the existing M12 Purlin Bolt.

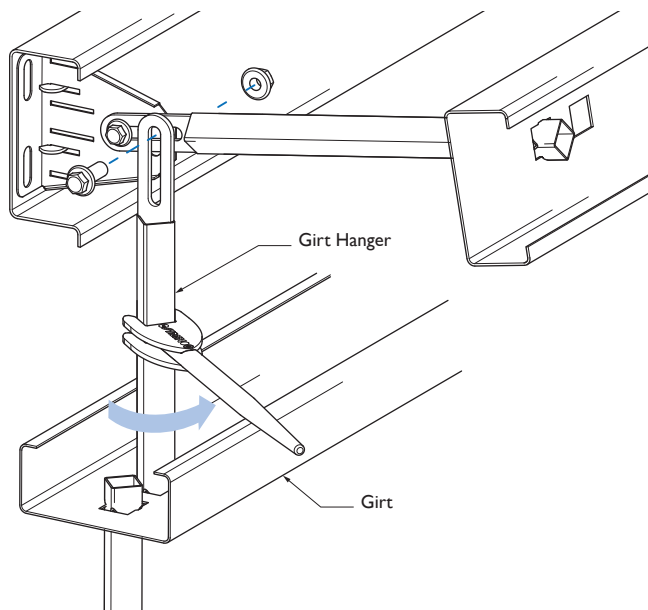


Figure 3.0

ADJUSTABLE RIDGE BRIDGING

Feed one of the Ridge Bridging Strut ends through one of the ridge purlins.

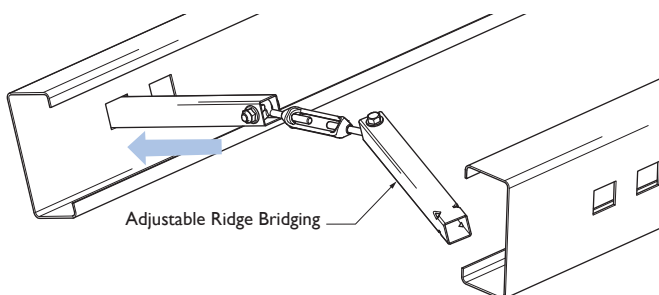


Figure 4.0

Feed the remaining Bridging Strut into the opposing ridge purlin. Use a 30mm spanner to rotate the Twistlok™ struts so that they lock into the purlins (Figure 1.1).

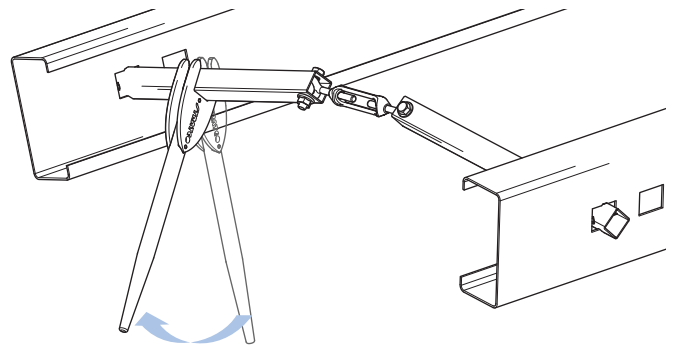


Figure 4.1

Rotate the turnbuckle in or out to adjust purlins.

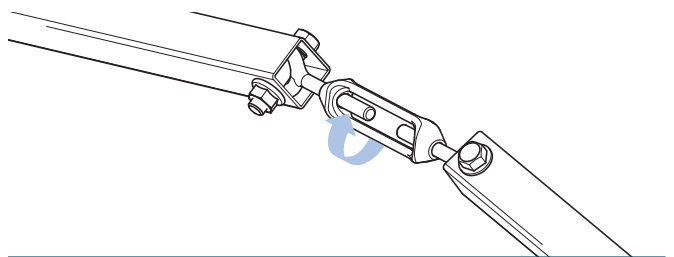


Figure 4.2

GIRT FOOT

Fit the Girt Foot Strut into the girt and lock in place (Figure 1.1).

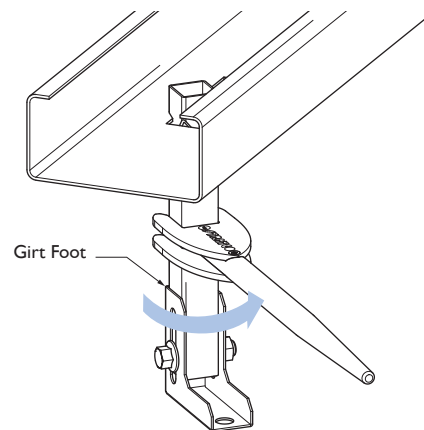


Figure 5.0

Drill a hole into the slab and secure the Girt Foot Bracket in place with a masonry anchor. Slide the Strut up or down to adjust the girt to the correct height. Tighten the bolt to secure in-place.

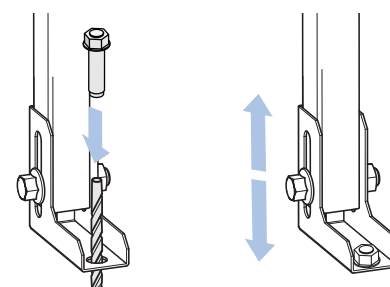


Figure 5.1

EXPANSION JOINT

Feed both of the Bridging (Single End Notched) into the purlins and lock in place as per Figure 1.1.

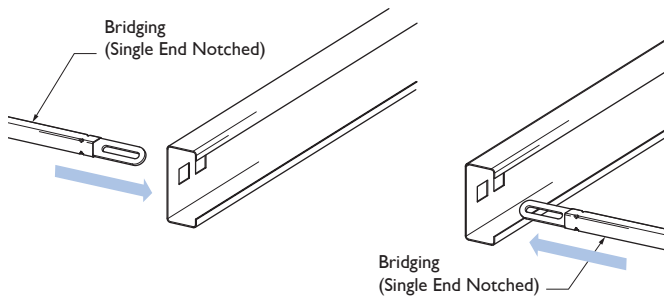


Figure 6.0

Fasten the Bridging (Double End) to the Bridging (Single End Notched) using two M12 Purlin Bolts. Align the purlins and lock in place.

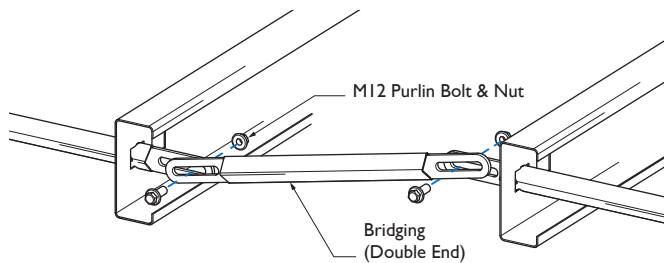


Figure 6.1

WHY USE TWISTLOK™?

Our innovative Twistlok™ design ensures installation times are reduced and with fewer components required. The Twistlok™ system can be used in a wide range of applications.

Adjustable Bridging Assemblies can be connected to purlins with either bolts or locking clips. Adjustable Bridging Assemblies are compatible with both Twistlok™ punching holes and conventional punching holes.

All components of the Twistlok™ system are independent from each other. Components can be separately installed from any point and in any order. Each component can be removed separately without needing to remove other components.



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