QUICK & EASY BRIDGING, WE’LL BRING THE
How To.

STRATCO TWISTLOK™
INNOVATIVE PURLIN & BRIDGING SYSTEM

FASCIA CLIP
LOCKING PIN

ADJUSTABLE FASCIA BRIDGING
Feed the bridging assembly through the fascia purlin.

Feed the remaining bridging strut into the opposing ridge purlin.
Line up the slots in the strut with the square purlin holes. Use a 30mm spanner to rotate each strut 45 degrees, as per ‘Figure 1.1’ of ‘Intermediate Bridging’.

Rotate the turnbuckle in or out to adjust purlins.

FIGURE 3.0
FIGURE 3.1
FIGURE 3.2

Insert the locking pin into the fascia clip holes.

FIGURE 2.1

Use a 30mm spanner to rotate the Twistlok strut so that it locks into the purlin, as per ‘Figure 1.1’ of ‘Intermediate Bridging’.

Tighten the fascia clip bolt.

FIGURE 2.3

FIGURE 2.4

Drill a hole into the slab and secure girt foot bracket in place with masonry anchor.

Adjust girt to correct height. Tighten bolt to secure in place.

FIGURE 2.0

ADJUSTABLE RIDGE BRIDGING
Feed one end of the bridging assembly through ridge purlin.

GIRT FOOT
Slide the girt foot strut through the purlin. Use a 30mm spanner to rotate the strut 45 degrees, as per ‘Figure 1.1’ of ‘Intermediate Bridging’.

Rotate the locking pin anti-clockwise until it snaps in place.

FIGURE 2.2
SAVE 30% OF YOUR INSTALLATION TIME

Stratco Twistlok Bridging is the faster, innovative way to install bridging on your steel purlins. The simpler Twistlok design reduces your installation time by up to 30% and requires fewer different components to complete the high quality bridging system that you desire for your project.

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. Stratco have specially designed a unique Twistlok Spanner that easily engages with the Twistlok struts to enable fast and accurate installation. Alternatively a standard 30mm spanner can also be used.

COMPONENTS - CONVENTIONAL TO STRATCO TWISTLOK EQUIVALENT

INTERMEDIATE BRIDGING
Keeps purlins at equal distance apart and parallel.

ADJUSTABLE FASCIA BRIDGING
Adjusts to allow fascia purlins to be straightened.

ADJUSTABLE RIDGE BRIDGING
Adjusts to allow ridge purlins to be straightened.

GIRT FOOT
Allows girt straightening and adjustment.

Twistlok components are pre-assembled and ready to use, resulting in a quicker and easier installation. Strut length is variable depending on specific requirements of each structure.

BENEFITS OF STRATCO TWISTLOK BRIDGING

- Patent pending system designed and engineered by Stratco, increasing efficiency and saving up to 30% in erection time
- Strong and no protruding components - risk of damage on-site or in transport is virtually eliminated
- Can start installation anywhere - not just at ridge or fascia
- Multiple runs can be done in any sequence without moving the EWP
- Fast installation – no need to try and swing hook-type struts
- Less volume taken up per strut, so a whole run can fit in the EWP with the installer
- Innovative tube based design provides the option to run services through the voids (reduces drilling of holes in purlins or use of hangers)
- Can be cut and welded to the structure if there are changes on-site
- Can be re-ground if purlin misalignment occurs - you can get on with the job rather than waiting for new components
- Only one bolt to be tightened in fascia assembly and girt foot
- Fascia purlins have no intermediate bolt heads exposed, effectively providing a flush finish
**TESTIMONIALS**

Customers who have used Stratco Twistlok have been impressed by the ease of use and time savings:

“I would like to take the opportunity and thank Stratco for choosing our company to trial the new Bridging System.

Brown Steel could see the benefits not only in cost saving but ease of use. The versatility of being able to start in any position on the roof is a benefit as we cannot always start where required with conventional bridging systems.

The speed the system can be installed is also a huge factor and cost saving, as projects can be delivered quicker which in turn means the overall program is being bettered.

Brown Steel would recommend and will continue backing this system.

Well Done Stratco!!!”

Andrew Clem, Structural Fabricator

“The new Twistlok Bridging system made the completion of our mezzanine project quick and easy. Due to the close spacings of the C-purlins, conventional hook-locked bridging would be difficult & slow to install.

Twistlok allowed efficient use of our time on-site. It’s a great product!”

Steven Peluso, Structural Engineering

“We at HMV Structural were lucky enough to use the new Stratco bridging System.

We found the new system user friendly, less cumbersome and most importantly we were able to install the bridging process at any start point.

It saves time over using a traditional bridging system. Similarly, to take a bay or two out again is easier.

This new system is terrific to use.”

Lyndon Valente, Structural Fabricator

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**INSTALLATION**

**INTERMEDIATE BRIDGING**

Slide one end of the intermediate bridging strut through the purlin. Then slide the other end of the strut through the next purlin.

Line up the slots in the strut with the square purlin holes. Use the specially designed Twistlok Spanner (or a standard 30mm spanner) to rotate the strut 45 degrees. This will lock the strut into the purlin.

**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.

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**COMPONENTS / CONVENTIONAL TO STRATCO TWISTLOK EQUIVALENT**

- **GIRT FOOT**
  - Allows girt straightening and adjustment.

- **INTERMEDIATE BRIDGING**
  - Keeps purlins at equal distance apart and parallel.

- **ADJUSTABLE RIDGE BRIDGING**
  - Adjusts to allow ridge purlins to be straightened.

**BENEFITS OF STRATCO TWISTLOK BRIDGING**

- Patent pending system designed and engineered by Stratco, increasing efficiency and saving up to 30% in erection time
- Strong and no protruding components - risk of damage on-site or in transport is virtually eliminated
- Can start installation anywhere - not just at ridge or fascia
- Multiple runs can be done in any sequence without moving the EWP
- Fast installation - no need to try and swing hook-type struts
- Less volume taken up per strut, so a whole run can fit in the EWP with the installer
- Innovative tube based design provides the option to run services through the voids (reduces drilling of holes in purlins or use of hangers)
- Can be cut and welded to the structure if there are changes on-site
- Can be re-ground if purlin misalignment occurs - you can get on with the job rather than waiting for new components
- Only one bolt to be tightened in fascia assembly and girt foot
- Fascia purlins have no intermediate bolt heads exposed, effectively providing a flush finish

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**INTERMEDIATE BRIDGING**

Slide one end of the intermediate bridging strut through the purlin. Then slide the other end of the strut through the next purlin.

**TWISTLOK SPANNER**

**ADJUSTABLE FASCIA BRIDGING**

Adjusts to allow fascia purlins to be straightened.

Twistlok components are pre-assembled and ready to use, resulting in a quicker and easier installation.

Strut length is variable depending on specific requirements of each structure.

**FIGURE 1.0**

**FIGURE 1.1**
**INSTALLATION cont...**

**ADJUSTABLE FASCIA BRIDGING**
Feed the bridging assembly through the fascia purlin.

- **FIGURE 2.0**

Insert the locking pin into the fascia clip holes.

- **FIGURE 2.1**

Rotate the locking pin anti-clockwise until it snaps in place.

- **FIGURE 2.2**

Use a 30mm spanner to rotate the Twistlok strut so that it locks into the purlin, as per ‘Figure 1.1’ of ‘Intermediate Bridging’. Tighten the fascia clip bolt.

- **FIGURE 2.3**

- **FIGURE 2.4**

**ADJUSTABLE RIDGE BRIDGING**
Feed one end of the bridging assembly through ridge purlin.

- **FIGURE 3.0**

Feed the remaining bridging strut into the opposing ridge purlin. Line up the slots in the strut with the square purlin holes. Use a 30mm spanner to rotate each strut 45 degrees, as per ‘Figure 1.1’ of ‘Intermediate Bridging’.

- **FIGURE 3.1**

Rotate the turnbuckle in or out to adjust purlins.

- **FIGURE 3.2**

**GIRT FOOT**
Slide the girt foot strut through the purlin. Use a 30mm spanner to rotate the strut 45 degrees, as per ‘Figure 1.1’ of ‘Intermediate Bridging’.

- **FIGURE 2.5**

Drill a hole into the slab and secure girt foot bracket in place with masonry anchor.

- **FIGURE 2.6**

Adjust girt to correct height. Tighten bolt to secure in place.