

### Colston Bassett Village Store

A beautiful solution to ensure maximum light and space within a roof bracing application. Specialist custom brackets were employed to finish the striking design.



We pride ourselves on offering bespoke stainless steel design, manufacture and installation solutions second to none.

The SBS-450 tie bar system is one of many products we have to offer. Made from high tensile materials resulting in extra strength, it has tapered lock nut design feature that hides bar threads, giving a clean cosmetic appearance.

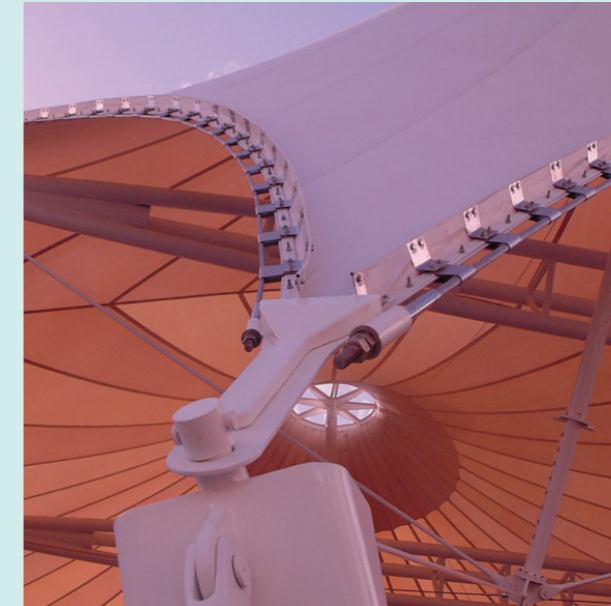


Fork, Taper Lock Nut and Clevis Pin

Available in sizes M10 to M39 and manufactured from Duplex Stainless Steel.

### Merry Hill Shopping Centre, Birmingham

An interesting and aesthetic fabric atrium, constructed with telescopic masts, supported by a system of tie bars.



The SBS-450 tie bar system consists of a bar with a left hand and right hand threaded fork at each end.

Once installed the bar can be rotated to expand or contract the fork's pin centres. Special spanner flats can be added to the tie bars to help with rotation. The forks are locked into position by tightening the tapered locking nuts using a 'C' pin spanner. The special tapered locking nuts also hide excessive bar threads.

The forks benefit from 'Double Headed' clevis pins which are fastened into position using a standard 'Allen' key.

### Also available

A range of 316 grade stainless steel tie bars are available, polished or finished to customer requirements.



SBS-450 forks and pins are manufactured from Duplex grade stainless steel. This offers high resistance to corrosion and superior mechanical properties over marine grade 316 (EN10088 1.4401).

The SBS-450 tie bar itself is manufactured from high quality stainless steel grade 316 with rolled threads to BS3643. Available in thread sizes M10 to M39.

All components are UK produced using the latest CNC technology and are finished to a N4 standard (240 grit satin). Bar lengths are available up to 6 metres. Lengths exceeding 6 metres can be catered for by using a bar coupler.

### Biddulph Bridge, Stoke-on-Trent

This installation perfectly demonstrates our tie bar system and cable balustrade infills. High tensile SBS-450 tie bars with custom connection plates were used to stunning effect.



### Richard Dunn Swimming Pool, Bradford

A challenging installation featuring aerial rigging to replace suspension cables. Our team worked through four nights to complete the project, ensuring the pool stayed open.



### We also deliver solutions in structural cable assemblies

With modern developments in construction technology demanding light, but sturdy structures, we have developed elegant yet reliable systems. To see more, or discuss any projects, don't hesitate to get in touch.

Call 01302 714513 | Email [sales@s3i.co.uk](mailto:sales@s3i.co.uk) | Visit [www.s3i.co.uk](http://www.s3i.co.uk)



## Structural tie bar systems for any number of solutions

