

Technical Data Sheet

Product Designation	: SCB16 Shear Tie Connector
Type	: Scaffold Restraint Brackets
Material	: Mild Steel
Finish	: Bright Zinc Plated (thickness 3~5 Microns)



A medium to heavy duty scaffold restraint bracket used for raking or punching of scaffolding tubes off of a solid base material. It consists of a back plate 8mm thick, 50mm box section 5mm thick and a drop forged fitting. It has hole centres at 150mm designed to spread the load through the base material or across multiple brick courses.

4 Hole and 6 Hole versions available please specify when ordering.

Load Data

Recommended **Tensile** load is 10.0kN in concrete class C20/25.

Recommended **Shear** load is 6.3kN in concrete class C20/25.

When used with 4 no M12x75 Concrete Screw Bolts with embedment of 60mm.

NB - Shear load data is partially based on the slip rating of a single drop forged coupler. If check fittings are used then shear strength on a single bracket is increased to 13.0kN.

Suitability tests should be performed for any other base material or where the strength is unknown.

Recommended loads are limited by suitability of base material and structure.

Quality Assurance

The drop forged fitting has been manufactured and tested according to BS1139 – EN74. It has been accepted as Class A/B for behaviour under load. The brackets are batch tested and MPI inspected for ultimate performance. The weld strength has been tested in excess of 40kN.