

## T Brackets



# Delta



☎ 0151 678 7997  
✉ [sales@deltagb.com](mailto:sales@deltagb.com)

# Technical Data Sheet

**Product Designation** : SCB4/ SCB23, Twin 6mm Hole Bracket  
**Type** : M16 Scaffold Adaptor Bracket  
**Material** : Mild Steel  
**Finish** : Bright Zinc Plated (thickness 3~5 Microns)  
**Load Class (TG20)** : Light or Standard Duty, depending on fixings & structure



A steel bracket drilled with two 6mm holes, used for connecting to steel beams, cladding sheets and timber in conjunction with a variety of fixing types.

## SCB04 - Scaffold Adaptor Bracket.

### MAXIMUM Recommended Tensile Loads kN

When used with FIXING TYPE	BASE MATERIAL						
	C20/25 Conc. 30 N/mm <sup>2</sup>	Eng. Brick 70 N/mm <sup>2</sup>	Fletton 20 N/mm <sup>2</sup>	Butterfly 20 N/mm <sup>2</sup>	C16 Eng. Timber	Z35 Steel 3mm thick	Z35 Steel >5mm
Two M6x50 Coach Screw in 10mm plug	3.5	3.5	3.5	3.5	X	X	X
Two M6x50 Coach Screw only	X	X	X	X	2.0	X	X
Two BMS 4H57 masonry screws	3.5	3.5	3.5	3.5	X	X	X
Two DS Self drilling screws	X	X	X	X	X	3.5	6.1
Two M6 HT Bolt/ nut/ sq washer	X	X	X	X	6.1	3.5	6.1

Load Class According to TG20	Light	Standard	Heavy
------------------------------	-------	----------	-------

The information given herein is formulated in accordance with the guidance given in TG4/11.

This includes set figures for Light, Standard & Heavy Duty Loads, with the appropriate safety factors

Figures given above are maximum allowable loads, given for the exact application with the named fixing.

Preliminary tests must be carried out to ascertain allowable loads before the use of the bracket and/or fixing in any other application.

*NB - Recommended loads are limited by strength & suitability of base material and structure.*

## Quality Assurance

The brackets are batch tested and MPI inspected for ultimate performance. The weld strength has been tested in excess of 40kN.

## **Technical Data Sheet**

<b>Product Designation</b>	: SCB08 – Six - 6.0mm Hole Bracket
<b>Type</b>	: M16 Scaffold Adaptor Bracket
<b>Material</b>	: Mild Steel
<b>Finish</b>	: Bright Zinc Plated (thickness 3~5 Microns)
<b>Load Class (TG20)</b>	: Light to Standard Duty, depending on Substrate



A mild steel bracket, with an M16 female thread reception, used to make connections to Timber or Steel. With six - 6.0mm holes at 70mm centres, they can be fixed with chipboard screws, woodscrews, coach screws, self-drilling screws or even riveted or bolted directly to or through the structure.

### **Load Capability**

The MAXIMUM allowable TENSILE load on the bracket is 10kN.

SHEAR loads are NOT allowed.

The load capability of this product is normally limited by the loads achieved by the fixings and/or base structure but in any event should not exceed the 10kN specified above.

Preliminary tests may be required to calculate the allowable load of the fixings.

### **Quality Assurance**

The brackets are batch tested and MPI inspected for ultimate performance. The weld strength has been tested in excess of 50kN.

# Technical Data Sheet

<b>Product Designation</b>	: SCB9 Twin 8.0mm Hole Bracket
<b>Type</b>	: M16 Scaffold Adaptor Bracket
<b>Material</b>	: Mild Steel
<b>Finish</b>	: Bright Zinc Plated (thickness 3~5 Microns)
<b>Load Class (TG20)</b>	: Light to Standard Duty, depending on Substrate



A bracket used for M16 ring bolt connections to Concrete, Masonry, Timber or Steel. Drilled with two 8mm holes at 70mm centres, they can be fixed with 6mm Concrete Screw Bolts, nylon plug & coach screw, self-drill screws, with threaded studs or sockets set in resin, with bars or bolts, nuts washers etc passed right through the structure.

## SCB9 Twin 8.0mm Hole Bracket.

### MAXIMUM Recommended Tensile Loads kN

	BASE MATERIAL						
	C20/25 Conc. 30 N/mm <sup>2</sup>	Eng. Brick 70 N/mm <sup>2</sup>	Fletton 20 N/mm <sup>2</sup>	Butterfly 20 N/mm <sup>2</sup>	C16 Eng. Timber	Z35 Steel 3mm thick	Z35 Steel >5mm
<b>When used with FIXING TYPE</b>							
Two M6 CSB Masonry Screws	6.1	6.1	6.1	3.5	X	X	X
Two DS Self Drilling screws	X	X	X	X	X	3.5	6.1
Two M8 Coach Screws, 10mm plug	2.6	2.6	2.6	1.5	X	X	X
Two M8 Coach Screws	X	X	X	X	3.5	X	X

Load Class According to TG20	Light	Standard	Heavy
------------------------------	-------	----------	-------

The information given herein is formulated in accordance with the guidance given in TG4/11. This includes set figures for Light, Standard & Heavy Duty Loads, with the appropriate safety factors. Figures given above are maximum allowable loads, given for the exact application with the named fixing. Preliminary tests must be carried out to ascertain allowable loads before the use of the bracket and/or fixing in any other application. NB - Recommended loads are limited by strength & suitability of base material and structure.

## Quality Assurance

The brackets are batch tested and MPI inspected for ultimate performance. The weld strength has been tested in excess of 40kN.



# Technical Data Sheet

<b>Product Designation</b>	: SCB7 Twin 14.0mm Hole Bracket
<b>Type</b>	: M16 Scaffold Adaptor Bracket
<b>Material</b>	: Mild Steel
<b>Finish</b>	: Bright Zinc Plated (thickness 3~5 Microns)
<b>Load Class (TG20)</b>	: Light to Standard Duty, depending on Substrate



A twin 14.0mm hole bracket used for connecting to Concrete, Masonry and Steel in conjunction with a variety of fixing types. Traditionally fixed with two 12mm CSB Masonry Screw Bolts but can also be fixed with conventional nylon plug & coach screw, with threaded studs or sockets set in resin or with bars or bolts, nuts washers etc passed right through the structure. Designed with hole centres of 75mm to spread the load over two courses of brickwork or to align with mortar joints.

## SCB7 Twin 14.0 Hole Bracket.

### MAXIMUM Recommended Tensile Loads kN

When used with FIXING TYPE	BASE MATERIAL						
	C20/25 Conc. 30 N/mm <sup>2</sup>	Eng. Brick 70 N/mm <sup>2</sup>	Fletton 20 N/mm <sup>2</sup>	Butterfly 20 N/mm <sup>2</sup>	C16 Eng. Timber	Z35 Steel 3mm thick	Z35 Steel >5mm
Two 12x80 Coach Screw in 14mm plug	6.1	6.1	3.5	3.5	X	X	X
Two 12x80 Coach Screw only	X	X	X	X	6.1	X	X
Two 12mm CSB Masonry Screws	6.1	6.1	6.1	3.5	X	X	X
Resin Socket with M12 HT Setscrew	6.1	6.1	6.1	3.5	X	X	X
M12 HT Bolt/ Nut/ Square Washer	X	X	X	X	6.1	3.5	6.1
Two M8 Box Bolt Anchors	X	X	X	X	X	6.1	6.1

Load Class According to TG20	Light	Standard	Heavy
------------------------------	-------	----------	-------

The information given herein is formulated in accordance with the guidance given in TG4/11.

This includes set figures for Light, Standard & Heavy Duty Loads, with the appropriate safety factors

Figures given above are maximum allowable loads, given for the exact application with the named fixing.

Preliminary tests must be carried out to ascertain allowable loads before the use of the bracket and/or fixing in any other application.

*NB - Recommended loads are limited by strength & suitability of base material and structure.*

## Quality Assurance

The brackets are batch tested and MPI inspected for ultimate performance. The weld strength has been tested in excess of 40kN.

# Technical Data Sheet

<b>Product Designation</b>	: SCB4T Purlin Rail Cladding Bracket
<b>Type</b>	: M16 Scaffold Adaptor Bracket
<b>Material</b>	: Mild Steel
<b>Finish</b>	: Bright Zinc Plated (thickness 3~5 Microns)
<b>Load Class (TG20)</b>	: Light or Standard Duty, depending on fixings & structure



A steel bracket drilled with three 6mm holes, reduced in size & specially designed to fit between the profile of cladding faced buildings. Use DS screws to attach the bracket through the cladding sheet and pick up on the purlin rails behind.

## SCB4T Purlin Rail Cladding Bracket

### MAXIMUM Recommended Tensile Loads kN

	BASE MATERIAL						
	C20/25 Conc.	Eng. Brick	Fletton	Butterfly	C16 Eng.	Z35 Steel	Z35 Steel
<b>When used with FIXING TYPE</b>	30 N/mm <sup>2</sup>	70 N/mm <sup>2</sup>	20 N/mm <sup>2</sup>	20 N/mm <sup>2</sup>	Timber	3mm thick	>5mm
Two DSHS Self drilling screws	X	X	X	X	X	3.5	6.1
One DSHS Self drilling screw	X	X	X	X	X	3.5	X

Load Class According to TG20	Light	Standard	Heavy
------------------------------	-------	----------	-------

The information given herein is formulated in accordance with the guidance given in TG4/11.

This includes set figures for Light, Standard & Heavy Duty Loads, with the appropriate safety factors

Figures given above are maximum allowable loads, given for the exact application with the named fixing.

Preliminary tests must be carried out to ascertain allowable loads **before the use of the bracket and/or fixing in any other application.**

*NB - Recommended loads are limited by strength & suitability of base material and structure.*

## Quality Assurance

The brackets are batch tested and MPI inspected for ultimate performance. The weld strength has been tested in excess of 40kN.

# Technical Data Sheet

Product Designation	: SCB10 Twin 14.0 Hole Bracket (XL)
Type	: M16 Scaffold Adaptor Bracket
Material	: Mild Steel
Finish	: Bright Zinc Plated (thickness 3~5 Microns)
Load Class (TG20)	: Standard to Heavy Duty, depending on Substrate



An extra thick, extra long (XL) two-hole bracket used for Concrete and Masonry connections in conjunction with 12mm Concrete Screw Bolts. Can also be fixed with conventional nylon plug & coach screw, with threaded studs or sockets set in resin or with bars or bolts, nuts washers etc passed right through the structure. Designed with hole centres of 150mm to spread the load over three courses of brickwork or to align with mortar joints.

## SCB10 Twin 14.0 Hole Bracket.

### MAXIMUM Recommended Tensile Loads kN

	BASE MATERIAL						
	C20/25 Conc. 30 N/mm <sup>2</sup>	Eng. Brick 70 N/mm <sup>2</sup>	Fletton 20 N/mm <sup>2</sup>	Butterfly 20 N/mm <sup>2</sup>	C16 Eng. Timber	Z35 Steel 3mm thick	Z35 Steel >5mm
When used with FIXING TYPE							
Two 12x80 Coach Screw in 14mm plug	6.1	6.1	3.5	3.5	X	X	X
Two 12x80 Coach Screw only	X	X	X	X	6.1	X	X
Two 12mm CSB Masonry Screws	12.2	12.2	6.1	3.5	X	X	X
Resin Socket with M12 HT Setscrew	12.2	12.2	6.1	3.5	X	X	X
M12 HT Bolt/ Nut/ Square Washer	X	X	X	X	6.1	3.5	6.1
Two M8 Box Bolt Anchors	X	X	X	X	X	6.1	6.1

Load Class According to TG20	Light	Standard	Heavy
------------------------------	-------	----------	-------

The information given herein is formulated in accordance with the guidance given in TG4/11.

This includes set figures for Light, Standard & Heavy Duty Loads, with the appropriate safety factors

Figures given above are maximum allowable loads, given for the exact application with the named fixing.

Preliminary tests must be carried out to ascertain allowable loads before the use of the bracket and/or fixing in any other application.

### Quality Assurance

The brackets are batch tested and MPI inspected for ultimate performance. The weld strength has been tested in excess of 40kN.