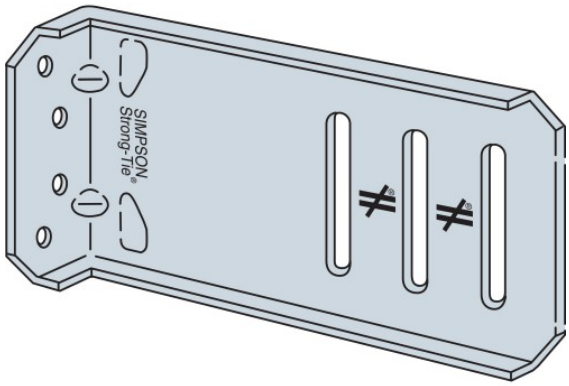
Technical data sheet

SCB
Movement Clip Connector

The SCB movement-clip connector is a time saving, high performance connection for over sail applications that simplifies design and detailing as well as reduces installation and materials costs. Titen® concrete screws which eliminate the need to design this anchorage.

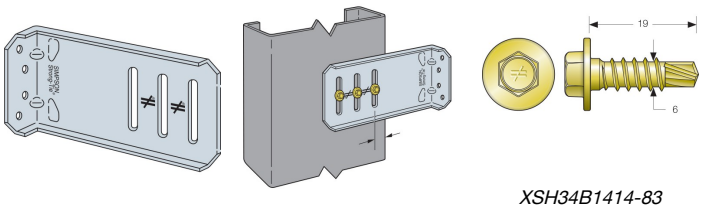


Features

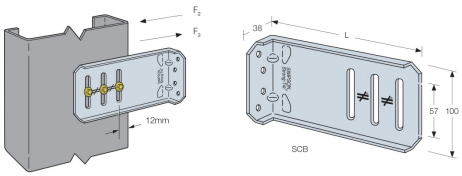
Benefits

For designs that have typically required two parts to accommodate large over sail structures, the SCB can take their place, thereby reducing installation costs.

- The connector is manufactured in five different lengths to accommodate the variety of over sail configuration and steel stud sizes.
- Provides a full 25mm of both upward and downward movement.
- Manufactured from 1.4mm pre-galvanised steel.
- Supplied with Ø6mm shouldered screws (XSH34B1414-83).



XSH34B1414-83
Shoudered Screw
(included)



Technical Data

Characteristic Load

References	Dimensions and drill holes [mm]		Fasteners qty	Characteristic Capacities [kN]					
	L	Thickness		0.9 mm Stud		1.2 mm Stud		1.4 mm Studs	
				$R_{2,k}$	$R_{3,k}$	$R_{2,k}$	$R_{3,k}$	$R_{2,k}$	$R_{3,k}$
SCB43.5-KT	89	1.4	2 - Ø6	3.7	3.7	4.3	4.9	5.4	6.9
SCB45.5-KT	140	1.4	3 - Ø6	4.8	4.8	6.4	7.1	7.0	9.0
SCB47.5-KT	191	1.4	3 - Ø6	4.8	4.8	6.4	7.1	7.0	9.0
SCB49.5-KT	241	1.4	3 - Ø6	4.8	4.8	6.4	7.1	7.0	9.0
SCB411.5-KT	292	1.4	3 - Ø6	4.8	4.8	6.4	7.1	7.0	9.0

Anchorage Loads

Anchorage Type	Qty	Anchorage Load F_2 (kN)
Self Drilling Screws (XSH34B1414-83)	2 - Ø6	5.7
	3 - Ø6	8.0
	4 - Ø6	9.0
Titen Screws (TNT25134H)	2 - Ø6	2.7
	3 - Ø6	3.2
	4 - Ø6	3.6

1. Tested in accordance with ICC ES-261.
2. When SCB connector is used with 2 shouldered screws, the screws may be installed in any 2 slots.
3. Loads are based on clips installed with (4) Ø6mm screws in the anchor leg. For other anchorage installations, the capacity of the connection will be the minimum of the tabulated value and the anchorage loads in the table.

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