

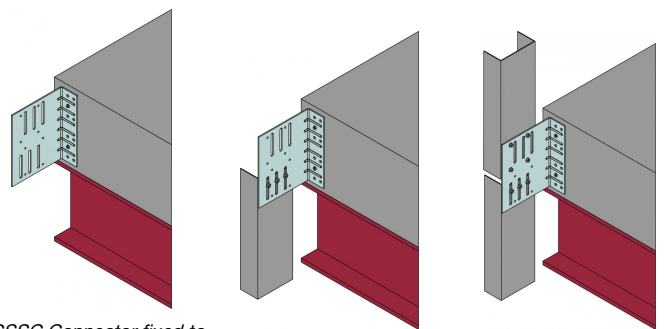
## LGSSC Light Gauge Steel Splicing Clip

The LGSSC is a Universal Oversail Splice Bracket designed to connect light gauge steel studs to the primary structure in continuous walling installations. The LGSSC provides a secure connection to the floor slab whilst allowing for up to 50mm of vertical adjustment between butt jointed light gauge steel studs.

### Features

#### Features

- Suitable for use on oncrete or steel primary structures
- Accomodates up to 50mm movement between butt joint of Light Gauge Studs
- Suitable for light gauge studs thickness of 1.2mm to 1.6mm and widths 100mm to 150mm.
- Performance values for  $F_1$  and  $F_3$  load directions, when connected to concrete or steel RSJ.
- Maximum RSJ material thickness 12.5mm
- 50mm fastener edge distance required when fixed to concrete structures.

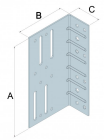


*LGSSC Connector fixed to Primary Structure*

## LGSSC Light Gauge Steel Splicing Clip

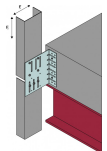
### Technical Data

#### Product Dimensions



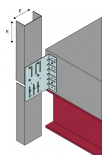
References	Product Dimensions [mm]				Holes Flange B		Holes Flange C	
	A	B	C	t	Ø4.1	Slots Ø6.5x50	Ø6	Hexagonal
LGSSC90	175	90	43	2.5	8	4	8	2
LGSSC140	175	140	43	2.5	8	6	8	2
LGSSC190	175	190	43	2.5	12	6	8	2
LGSSC240	175	240	43	2.5	12	6	8	2
LGSSC290	175	290	43	2.5	12	6	8	2

#### Product Capacities - 1.2mm Studs - Concrete Support



References	Fasteners Concrete Support						Characteristic Capacities [kN] - 1.2mm Studs - Fixing to Concrete	
	Flange B (Upper Stud)		Flange B (Lower Stud)		Flange C		R <sub>1,k</sub>	R <sub>3,k</sub>
	Qty	Type <sup>(1)</sup>	Qty	Type <sup>(2)</sup>	Qty	Type <sup>(3)</sup>		
LGSSC90	4	X1S	2	XLSH	2	TNT	9.6	17.4
LGSSC140	4	X1S	3	XLSH	2	TNT	9.6	17.4
LGSSC190	6	X1S	3	XLSH	2	TNT	9.6	17.4
LGSSC240	6	X1S	3	XLSH	2	TNT	9.6	17.4
LGSSC290	6	X1S	3	XLSH	2	TNT	9.6	17.4

#### Product Capacities - 1.2mm Studs - Steel Support

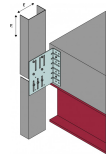


References	Fasteners Steel Support						Characteristic Capacities [kN] - 1.2mm Studs - Fixing to Steel	
	Flange B (Upper Stud)		Flange B (Lower Stud)		Flange C		R <sub>1,k</sub>	R <sub>3,k</sub>
	Qty	Type <sup>(1)</sup>	Qty	Type <sup>(2)</sup>	Qty	Type <sup>(4)</sup>		
LGSSC90	4	X1S	2	XLSH	8	XLQ	30.4	23.6
LGSSC140	4	X1S	3	XLSH	8	XLQ	30.4	23.6
LGSSC190	6	X1S	3	XLSH	8	XLQ	30.4	35.4
LGSSC240	6	X1S	3	XLSH	8	XLQ	30.4	35.4
LGSSC290	6	X1S	3	XLSH	8	XLQ	30.4	35.4

# Technical data sheet

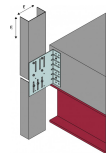


## LGSSC Light Gauge Steel Splicing Clip



### Product Capacities - 1.6mm Studs - Concrete Support

References	Fasteners Concrete Support						Characteristic Capacities [kN] - 1.6mm Studs - Fixing to Concrete	
	Flange B (Upper Stud)		Flange B (Lower Stud)		Flange C		R <sub>1,k</sub>	R <sub>3,k</sub>
	Qty	Type <sup>(1)</sup>	Qty	Type <sup>(2)</sup>	Qty	Type <sup>(3)</sup>		
LGSSC90	4	X1S	2	XLSH	2	TNT	9.6	17.4
LGSSC140	4	X1S	3	XLSH	2	TNT	9.6	17.4
LGSSC190	6	X1S	3	XLSH	2	TNT	9.6	17.4
LGSSC240	6	X1S	3	XLSH	2	TNT	9.6	17.4
LGSSC290	6	X1S	3	XLSH	2	TNT	9.6	17.4



### Product Capacities - 1.6mm Studs - Steel Support

References	Fasteners Steel Support						Characteristic Capacities [kN] - 1.6mm Studs - Fixing to Steel	
	Flange B (Upper Stud)		Flange B (Lower Stud)		Flange C		R <sub>1,k</sub>	R <sub>3,k</sub>
	Qty	Type <sup>(1)</sup>	Qty	Type <sup>(2)</sup>	Qty	Type <sup>(4)</sup>		
LGSSC90	4	X1S	2	XLSH	8	XLQ	30.4	34.8
LGSSC140	4	X1S	3	XLSH	8	XLQ	30.4	34.8
LGSSC190	6	X1S	3	XLSH	8	XLQ	30.4	52.2
LGSSC240	6	X1S	3	XLSH	8	XLQ	30.4	52.2
LGSSC290	6	X1S	3	XLSH	8	XLQ	30.4	52.2

- (1) X1S1214 Screws used to secure the upper stud to the connector
- (2) XLSH34B1414 Screws used to secure the lower stud to the connector
- (3) TTN25134H Concrete Screws used to secure the connector the concrete floor slab
- (4) XLQ114B1224 Screws used to secure the connector the Steel Beam

## Installation

### Installation Sequence

#### 1) Connect to Primary Structure

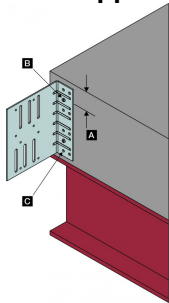
Secure connector to primary structure with specified fasteners (2 No. TNT through hexagonal holes for concrete support [B] or 8 No XLQ through round holes for steel support [C]) . When connecting to a concrete support a minimum fastener edge distance of 50mm is required [A]

#### 2) Install Lower Stud

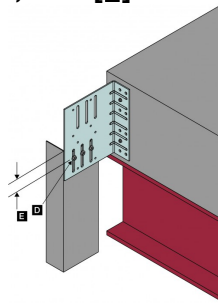
Secure lower stud with specified number of XLSH screws into the movement slots [D]. Screws are to be fixed centrally within the movement slots, allowing a vertical movement of the lower stud. A minimum end distance of 12.5mm is required [E].

#### 3) Install Upper Stud

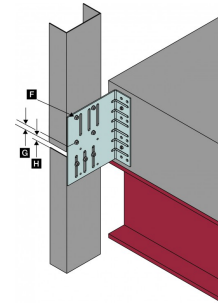
Secure upper stud with specified number of X1S screws through the round holes [F], ensuring that the lower screws are a minimum of 12.5mm from the bottom end of steel stud [G]. Minimum gap between upper and lower studs is 12,5mm [H]



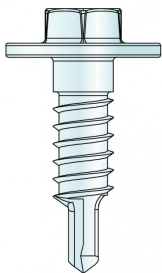
1) Connect to Primary Structure



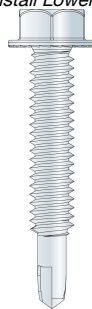
2) Install Lower Stud



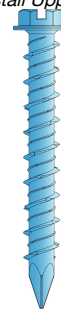
3) Install Upper Stud



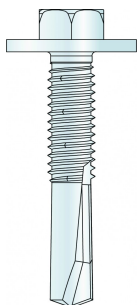
XLSH - Lower Stud to LGSSC



X1S - Upper Stud to LGSSC



TNT- LGSSC to Concrete Structure



XLH - LGSSC to Steel Structure

LGSSC

**Light Gauge Steel Splicing Clip**

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