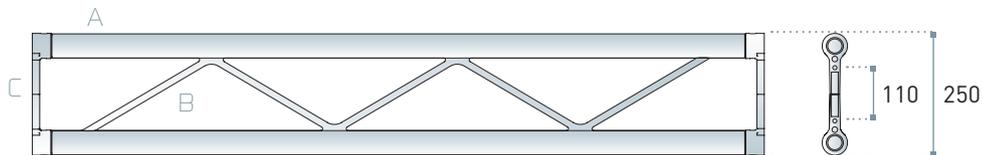




## FX25SA ANTI-TORSION

Flat section aluminium truss with 25 cm long sides. This is the smallest of our flat, end-plated trusses. Internal diagonal braces are made using 14 mm extruded aluminium, which helps to keep the visual profile of the truss to a minimum. Also suitable for use in tight spaces.



Chords A: extruded tube  $\varnothing$  50x1,5 mm  
EN AW 6005 T6

Diagonals B: extruded tube  $\varnothing$  14x1,5 mm  
EN AW 6060 T6

Ends C: aluminium casting plate  
EN AC 42200 T6

Connection systems

FXFC: quick-fit kit

FXSM8: bolt connection kit

### LINEAR ELEMENTS

code	cm	kg
FX25S012M5	25x5x12.5	0.8
FX25S025	25x5x25	1.0
FX25S050	25x5x50	1.5
FX25S100	25x5x100	2.2
FX25S150	25x5x150	3.0
FX25S200	25x5x200	3.9
FX25S250	25x25x250	4.6
FX25S300	25x5x300	5.4
FX25S350	25x5x350	6.2
FX25S400	25x5x400	7.0

### CORNERS AND FITTINGS

code	cm	kg
FX25ACS	25x12.5x5	1.7
FX25K2	25x5x5	1.2
FX25K4	25x25x5	3.3
FX25L2045P	50x50x5	2.0
FX25L2045V	50x50x25	3.0
FX25L2060P	50x50x5	2.7
FX25L2060V	50x50x25	3.3
FX25L2090P	50x50x5	1.7
FX25L2090V	50x50x25	1.8
FX25L2120P	50x50x5	1.7
FX25L2120V	50x50x25	1.9
FX25L2135P	50x50x5	2.1
FX25L2135V	50x50x25	1.9
FX25L3LP	50x50x50	2.5
FX25L3LV	50x50x50	2.7
FX25L3RP	50x50x50	2.7
FX25L3RV	50x50x50	2.7
FX25T3NP	50x50x5	2.1
FX25T3NV	25x50x50	2.1
FX25T4NP	50x50x50	3.0
FX25T4NV	50x50x50	2.7
FX25X4NP	50x50x55	2.1
FX25X4NV	50x50x25	2.4
FX25ACL	25x25x5	4.1



FX255A

LOAD TABLE / SPIGOT CONNECTION

	UNIF. DISTRIBUTED LOAD			THIRD POINT LOAD			QUARTER POINT LOAD			FIFTH POINT LOAD					
	point load kg/m	full load kg	central deflection mm	point load kg	full load kg	central deflection mm	point load kg	full load kg	central deflection mm	point load kg	full load kg	central deflection mm			
1	269	269	0	269	269	0	135	269	0	90	269	0	67	269	0
2	134	267	1	261	261	1	134	267	0	89	267	1	67	267	1
3	45	136	2	79	79	1	51	102	2	36	109	2	28	113	2
4	13	52	2	31	31	1	20	39	2	14	42	2	11	43	2
5	4	21	2	13	13	1	8	16	2	6	17	2	4	18	2
6	1	6	2	5	5	1	2	5	2	2	6	2	1	5	2

CANTILEVER LOAD TABLE / SPIGOT CONNECTION

SPAN m	UNIFORMLY DISTRIBUTED LOAD			CENTRE POINT LOAD	
	q am.- kg/m	q am.- kg	defl.- mm	F am. - kg	defl.- mm
1	134	134	1	130	1
2	64	127	4	84	7
3	19	56	6	23	7
4	5	18	6	7	6
5	1	4	6	1	5

AXIAL LOAD TABLE

H m	AXIAL LOAD
	N am. Kg
2	193
3	85
4	48

Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9). When calculating the allowable loads it is assumed that the load is suspended from the bottom chord and the truss is supported from the top chord at each end.

The values shown in the table are the allowable static loads that can be applied to the truss. This is the live load or the payload. The self weight of the truss has been taken into account when calculating the values in the table.

It should be noted that this are idealised loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

# FX25SA SYSTEM

To further enhance the standard products, LITEC offers a wide range of corners, connections and accessories useful for many different applications and needs. "Quick connect" or "nult & bolt connect". End-plated trusses allow to use two different systems of connection. The quick-fit system is certainly the most wide-spread and mainly used when the structure is frequently assembled and dismantled. In case of permanent installations, on the other hand, a more economical bolt connection system may be used. Our plate is made in such a way that bolts may be completely inserted so that there are no edges or external protuberances which could damage canvases or other fabrics or which might simply be unaesthetic on certain structures.

## FX25SA / CONNECTIONS



**KSG**  
Litetruss aluminium  
spigot, set of 10



**KCP**    **KSP**  
R-spring,    Steel pin,  
set of 100    set of 10



**K370**  
Half truss spigot + 1  
steel pin + 1 R-spring  
(not for Dado)



**KSF**  
Threaded pin, set of 12



**KCFS**  
Kit for vert. connec incl.  
bolts, spigots  
and accessories



**QXFC**  
Quick connection set

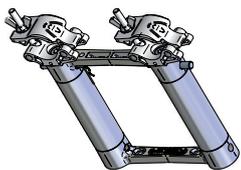


**FXKFC**  
2 special steel half  
spigot with screw

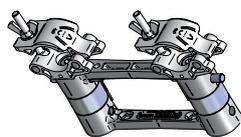


**FXSM10w**  
Bolt connection set

## FX25SA / ACCESSORIES



**FX25SACL**  
ST 25 cm. flat - Clamp  
module long



**FX25SACS**  
ST 25 cm. flat - Clamp  
module short



**FP25**  
Universal 25 cm truss  
floor plate



**TZ30K01**  
Assembly tool for half-spigot  
in 25&29 cm side truss



## FX25SA / CORNERS & FITTINGS

### FX25SL2045P

ST 25 cm. flat - 2 way  
45° corner horizontal



### FX25SL2090V

ST 25 cm. flat - 2 way  
90° corner vertical



### FX25SL3LP

ST 25 cm. flat - 3 way  
corner left horizontal



### FX25ST3NV

ST 25 cm. flat - 3 way  
tee vertical

### FX25SL2045V

ST 25 cm. flat - 2 way  
45° corner vertical



### FX25SL2120P

ST 25 cm. flat - 2 way  
120° corner horizontal



### FX25SL3LV

ST 25 cm. flat - 3 way  
corner left vertical



### FX25ST4NP

ST 25 cm. flat - 4 way  
tee horizontal

### FX25SL2060P

ST 25 cm. flat - 2 way  
60° corner horizontal



### FX25SL2120V

ST 25 cm. flat - 2 way  
120° corner vertical



### FX25SL3RP

ST 25 cm. flat - 3 way  
corner right horizontal



### FX25ST4NV

ST 25 cm. flat - 4 way  
tee vertical

### FX25SL2060V

ST 25 cm. flat - 2 way  
60° corner vertical



### FX25SL2135P

ST 25 cm. flat - 2 way  
135° corner horizontal



### FX25SL3RV

ST 25 cm. flat - 3 way  
corner right vertical



### FX30SX4NP

ST 29 cm. flat - 4 way  
cross horizontal

### FX25SL2090P

ST 25 cm. flat - 2 way  
90° corner horizontal



### FX25SL2135V

ST 25 cm. flat - 2 way  
135° corner vertical



### FX25ST3NP

ST 25 cm. flat - 3 way  
tee horizontal



### FX30SX4NV

ST 29 cm. flat - 4 way  
cross vertical

**DADO SYSTEM** DADO, the solution for all 90° corners and crosses. Managing corners and crosses is one of the biggest problems structure installers and hirers have to face. DADO is the answer. It is devised around a six-faced die-cast cube and may be put together in multifarious ways leaving the user complete freedom. The connection between DADO and the trusses is the quick-fit type, with special steel half spigots. Their assembly and alignment is made easy with an assembly template.



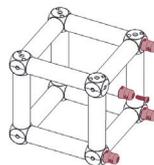
### FX25K2

DADO 4 way flat corner (2 nodules)  
K2 is the DADO version for flat section.

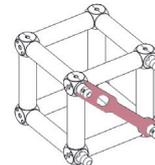


### FX25K4

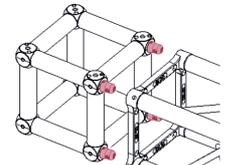
DADO 6 way flat corner (4 nodules)  
K4 is the DADO version for square and flat section structures.



**COUPLER ASSEMBLY**  
Before joining a truss to a Dado, the half-spigots must be inserted on the face to be connected. The spigots should be connected to a Dado with M10 screws. Do not tighten the screws yet.



**BLOCKING THE SPIGOTS**  
Next, using the supplied tool, tighten the screws two by two on the diagonals of the same face. Use of tool TZ30K01 (or TZ40K01 or QX40K8) is essential for maintaining the position of the spigots.



**CONNECTING TO THE TRUSS** Connecting Dado to a truss is straightforward and intuitive. You will need both the conical pins and safety split-pins. NOTE: the conical pins must be hammered hard into the connectors.