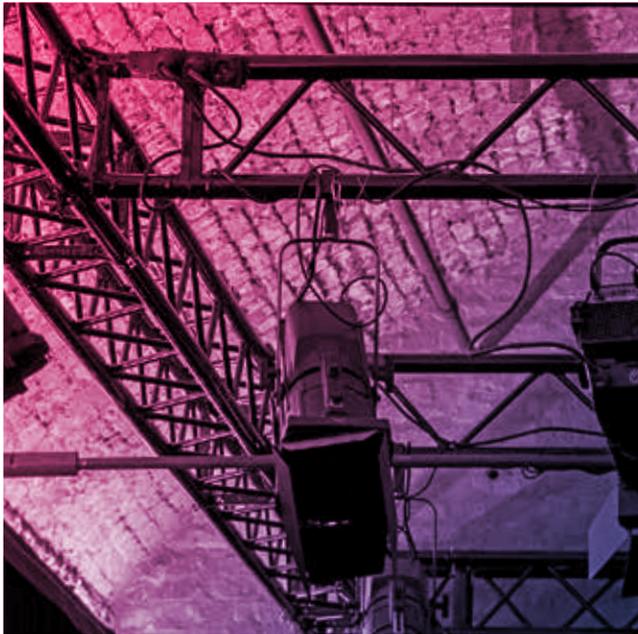
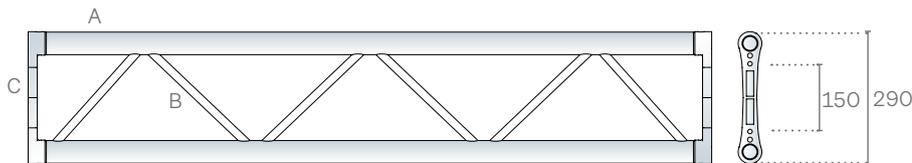


FX30SA

Anti-torsion



Flat section aluminium truss with 29 cm long sides. The most widely used of the flat, end-plated trusses. Ideal for use in reticular/grid structures and also perfectly suited for use alongside similar components supporting lightweight installations.



Corners and fittings

code	cm	kg
FX30C2	29 x 5 x 5	1.3
FX30C4	29 x 29 x 5	3.3
FU30K2	29 x 5 x 5	1.4
FU30K4	29 x 29 x 5	3.7
FX30SAL2060P	50 x 50 x 5	3.8
FX30SAL2060V	50 x 50 x 29	3.0
FX30SAL2090P	50 x 50 x 5	2.5
FX30SAL2090V	50 x 50 x 29	2.8
FX30SAL2120P	50 x 50 x 5	2.6
FX30SAL2120V	50 x 50 x 29	2.9
FX30SAL2135P	50 x 50 x 5	2.7
FX30SAL2135V	50 x 50 x 29	2.9
FX30SAL3LP	50 x 50 x 50	3.8
FX30SAL3LV	50 x 50 x 50	3.8
FX30SAL3RP	50 x 50 x 50	3.8
FX30SAL3RV	50 x 50 x 50	3.7
FX30SAT3NP	50 x 50 x 5	2.9
FX30SAT3NV	50 x 50 x 29	4.2
FX30SAT4NP	50 x 50 x 50	3.0
FX30SAT4NV	50 x 50 x 50	4.2
FX30SAX4NP	50 x 50 x 5	3.4
FX30SAX4NV	50 x 50 x 29	3.9
FX30SAAACL	29 x 21 x 5	2.4
FX30SAAACS	29 x 10.5 x 5	2.1

Chords A

Extruded tube Ø 50 x 2 mm
EN AW – 6082 T6

Diagonals B

Extruded tube Ø 18 x 2 mm
EN AW – 6082 T6

Ends C

Aluminium casting plate
EN AC – 42200 KT6

Connection systems

QXFC: quick-fit kit
QXSM10: bolt connection kit

Linear elements

code	cm	kg
FX30SA010M5	29 x 5 x 10.5	1.3
FX30SA021	29 x 5 x 21	1.5
FX30SA025	29 x 5 x 25	1.6
FX30SA050	29 x 5 x 50	1.8
FX30SA100	29 x 5 x 100	2.7
FX30SA150	29 x 5 x 150	3.7
FX30SA200	29 x 5 x 200	4.7
FX30SA250	29 x 5 x 250	5.8
FX30SA300	29 x 5 x 300	6.7
FX30SA350	29 x 5 x 350	7.7
FX30SA400	29 x 5 x 400	8.7



Load table / Spigot connection

SPAN	Unif. distributed load			Centre point load			Third point load			Quarter point load			Fifth point load		
	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection
m	kg/m	kg	mm	kg	kg	mm	kg	kg	mm	kg	kg	mm	kg	kg	mm
1	935	935	0	804	804	0	437	874	0	298	895	0	227	906	0
2	332	664	1	332	332	1	249	498	1	166	498	1	138	553	1
3	103	309	2	155	155	1	116	232	2	77	232	2	64	258	2
4	33	131	2	65	65	2	49	98	2	33	98	2	27	109	2
5	13	63	2	31	31	2	23	47	2	16	47	2	13	52	2
6	5	31	2	16	16	2	12	24	2	8	24	2	7	26	2

Axial load table

Axial load	
H m	kg
2	251
3	111
4	63

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.

FX30SA 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.

Connections

					
KSG Litetruss aluminium spigot, set of 10	KCP R-spring, set of 100	KSP Steel pin, 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	QXSM10 Bolt connection set for 30-40 series	QXCFC 4 special steel half spigots with screws for Light Duty Dado	QUKFC 4 special steel half spigots with screws for Heavy Duty Dado		

Accessories

				
FX30SAACL ST 29 cm. flat - Clamp module long	FX30SAACS ST 29 cm. flat - Clamp module short	FP30 Universal 29 cm truss floor plate (30 x 30 cm)	FP30M Universal 29 cm truss large floor plate (50 x 50 cm)	TZ30C01 Assembly tool for half-spigot in 25 & 29cm side trusses with Light Duty Dado
				
TZ30K01 Assembly tool for half-spigot in 25 & 29 cm side trusses with Heavy Duty Dado	CL2D50 Transport clip. Plastic casting for truss stacking. Fits 48 - 51 mm tube			

Dados, Corners & fittings



FX30SAL2060P
ST 29 cm. flat - 2 way 60°
corner horizontal



FX30SAL2060V
ST 29 cm. flat - 2 way 60°
corner vertical



FX30SAL2090P
ST 29 cm. flat - 2 way 90°
corner horizontal



FX30SAL2090V
ST 29 cm. flat - 2 way 90°
corner vertical



FX30SAL2120P
ST 29 cm. flat - 2 way 120°
corner horizontal



FX30SAL2120V
ST 29 cm. flat - 2 way 120°
corner vertical



FX30SAL2135P
ST 29 cm. flat - 2 way 135°
corner horizontal



FX30SAL2135V
ST 29 cm. flat - 2 way 135°
corner vertical



FX30SAL3LP
ST 29 cm. flat - 3 way corner
left horizontal



FX30SAL3LV
ST 29 cm. flat - 3 way corner
left vertical



FX30SAL3RP
ST 29 cm. flat - 3 way corner
right horizontal



FX30SAL3RV
ST 29 cm. flat - 3 way corner
right vertical



FX30SAL3LV
ST 29 cm. flat - 3 way tee
horizontal



FX30SAL3RV
ST 29 cm. flat - 3 way tee
vertical



FX30SAT3NP
ST 29 cm. flat - 4 way tee
horizontal



FX30SAT3NV
ST 29 cm. flat - 4 way tee
vertical



FX30SAT4NP
ST 29 cm. flat - 4 way cross
horizontal



FX30SAT4NV
ST 29 cm. flat - 4 way cross
vertical



FX30SAX4NP
ST 25 cm. flat - 4 way cross
horizontal



FX30SAX4NV
ST 25 cm. flat - 4 way cross
vertical

Light duty Dado



FX30C2
DADO 4 way flat
corner (2 nodules) C2 is the
DADO version for flat section



FX30C4
DADO 6 way flat
corner (4 nodules)
C4 is the DADO version
for square and flat section
structures

Heavy duty Dado



FU30K2
DADO 4 way flat corner
(2 nodules) K2 is the HD DADO
version for flat version



FU30K4
DADO 6 way flat corner
(4 nodules) K4 is the HD DADO
version for square and flat
section structures