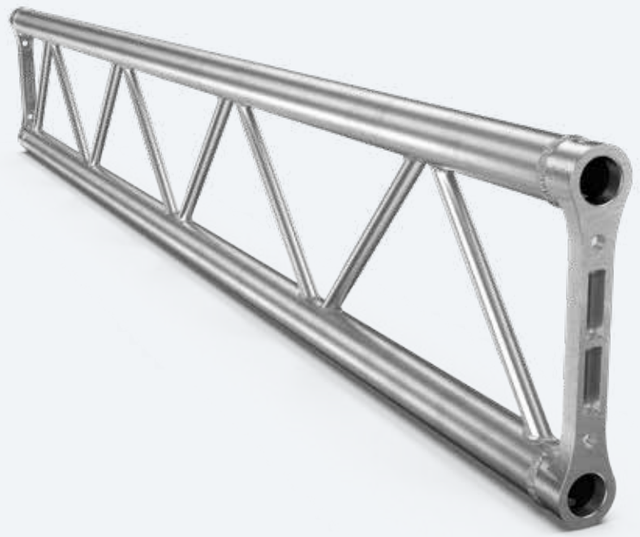
END PLATED TRUSS

FX30SA



Flat truss with 29 cm side dimension

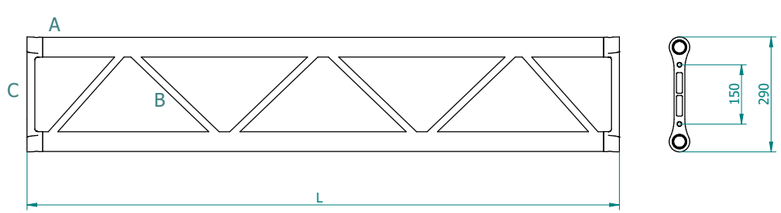
This is the most commonly used model among flat, end-plated trusses. It is ideal for use in reticular or grid-based structures and integrates perfectly with the QX30SA model when used with the appropriate accessories.

Main tubes: Ø50 × 2 mm aluminium
Diagonals: Ø18 × 2 mm aluminium

LINEAR ELEMENTS

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

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 50 × 2 mm EN AW – 6082 T6	Extruded tube Ø 18 × 2 mm EN AW – 6082 T6	Aluminium casting plate EN AC – 42200 KT6	QXFC: quick-fit kit QXSM10: bolt connection kit



Load table / Spigot connection

	Unif. distributed load			Centre point load			Third point load			Quarter point load			Fifth point load		
span	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

span	Axial load
[m]	[kg/m]
2	251
3	111
4	63

Load table has been prepared in accordance with EN 1999-1-1. 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 the 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.

Connections

End Plated Truss **FX30SA**

End-plated trusses are compatible with two connection options: the **spigotted connection**, which is the preferred solution for temporary setups and the most widely used by professionals, and the common **nut and bolt system**. Load data in the tables of this catalogue refer to the spigot connection. **The bolted connection reduces performance**. Please contact our Technical Office for guidance.



KSG

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)



KSFH

Threaded pin, set of 12



KSFHZ1

Stainless steel pin with self-locking nut and rubber damper. Recommended for permanent installations. Set of 12.



KCFS

Kit for vert. connection 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

Complements

A range of complementary elements is available as standard to help you interface your FX30SA in the best possible way.



FX30SAACL

ST 29 cm flat - Clamp module long

FX30SAACS

ST 29 cm flat - Clamp module short



FP30

FX30/TX30/QX30/TH30/QH30 universal floor plate



FP30M

FX30/TX30/QX30/TH30/QH30 universal floor plate (large 50×50 cm)

Dado, the multi-way box

The Litec Dado system is designed for interconnecting flat and square trusses. Its coupling concept allows the creation of 90° angles in any direction, while maintaining the outer dimensions of the truss and ensuring visual continuity. Each truss has its own dedicated Dado model. Each version includes **Light-Duty** models with die-cast nodes, as well as **Heavy-Duty** models featuring CNC-machined solid aluminium nodes.

Light-Duty Dado



Code	W × D × H (cm)	Kg
FX30C2	29 × 5 × 5	1.3

4 way box corner (2 nodules) is the Dado version designed for connecting flat trusses. Particularly suitable for creating grids. Light-Duty version



Code	W × D × H (cm)	Kg
FX30C4	29 × 29 × 5	3.3

4 way box corner (4 nodules) is suitable for square-section trusses and intersections between square and flat trusses. Light-Duty version with welded diagonals.

Heavy-Duty Dado



Code	W × D × H (cm)	Kg
FU30K2	29 × 29 × 5	1.4

4 way box corner (2 nodules) is the Dado version designed for connecting flat trusses. Particularly suitable for creating grids. Heavy-Duty version.



Code	W × D × H (cm)	Kg
FU30K4	29 × 29 × 5	3.7

4 way box corner (4 nodules) is suitable for square-section trusses and intersections between square and flat trusses. Heavy-Duty version with welded diagonal.

Corners

A wide range of corner elements is available for the FX30SA System. Standard corners come in various opening angles. Here we present the most commonly used angles. Other solutions are available on request.



Code	W × D × H (cm)	Kg
FX30SAL2060P	100 × 100 × 5	3.8

ST 29 cm flat - 2 way 60° corner



Code	W × D × H (cm)	Kg
FX30SAL2090P	50 × 50 × 5	2.5

ST 29 cm flat - 2 way 90° corner horizontal



Code	W × D × H (cm)	Kg
FX25SAL2120P	50 × 50 × 5	2.6

ST 29 cm flat - 2 way 120° corner horizontal



Code	W × D × H (cm)	Kg
FX25SAL2135P	50 × 50 × 5	2.7

ST 29 cm flat - 2 way 135° corner horizontal



Code	W × D × H (cm)	Kg
FX30SAT3NP	50 × 50 × 5	2.9

ST 29 cm flat - 3 way tee horizontal



Code	W × D × H (cm)	Kg
FX30SAX4NP	50 × 50 × 5	3.4

ST 29 cm flat - 4 way cross horizontal



Code	W × D × H (cm)	Kg
FX30SAL3RP	50 × 50 × 50	3.8

ST 29 cm flat - 3 way corner right vertical



Code	W × D × H (cm)	Kg
FX30SAL3LP	50 × 50 × 50	3.8

ST 29 cm flat - 3 way corner right horizontal



Code	W × D × H (cm)	Kg
FX30SAL2060V	50 × 50 × 29	3.0

ST 29 cm flat - 2 way 60° corner vertical



Code	W × D × H (cm)	Kg
FX25SAL2090V	50 × 50 × 29	2.8

ST 29 cm flat - 2 way 90° corner vertical



Code	W × D × H (cm)	Kg
FX30SAL2120V	50 × 50 × 29	2.9

ST 29 cm flat - 2 way 120° corner vertical



Code	W × D × H (cm)	Kg
FX30SAL2135V	50 × 50 × 29	2.9

ST 29 cm flat - 2 way 135° corner vertical



Code	W × D × H (cm)	Kg
FX30SAL3LV	50 × 50 × 50	3.8

ST 29 cm flat - 3 way tee horizontal



Code	W × D × H (cm)	Kg
FX30SAL3RV	50 × 50 × 50	3.8

ST 29 cm flat - 3 way tee vertical



Code	W × D × H (cm)	Kg
FX30SAT3NV	50 × 50 × 29	4.2

ST 29 cm flat - 4 way tee vertical



Code	W × D × H (cm)	Kg
FX30SAT4NV	50 × 50 × 50	4.2

ST 29 cm flat - 4 way cross vertical



Code	W × D × H (cm)	Kg
FX30SAT4NP	50 × 50 × 29	3.0

ST 29 cm flat - 4 way cross horizontal



Code	W × D × H (cm)	Kg
FX30SAX4NV	50 × 50 × 29	3.9

ST 29 cm flat - 4 way cross vertical