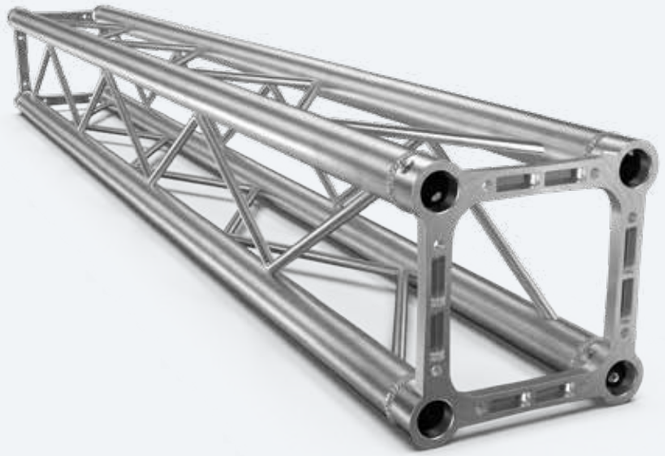
END PLATED TRUSS
QX25SA

Anti-torsion



Square truss with 25 cm sides

This is the square version of the lightest professional truss, yet it still provides a reasonable loading capacity and span.
It is ideal for exhibition setups, banner supports, and scenic structures.

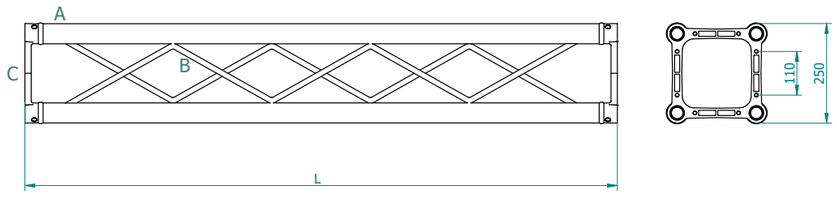
The slim diagonals are made from a single bent profile, reducing the visual impact of the structure, making it ideal for applications that require a low-profile appearance.

Main tubes: Ø50.8 × 1.6 mm aluminium
Diagonals: Ø14 × 1.5 mm aluminium

LINEAR ELEMENTS

Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
QX25SA012M5	25 × 25 × 12.5	2.5	QX25SA200	25 × 25 × 200	8.4
QX25SA025	25 × 25 × 25	2.8	QX25SA250	25 × 25 × 250	10.0
QX25SA050	25 × 25 × 50	3.5	QX25SA300	25 × 25 × 300	11.6
QX25SA100	25 × 25 × 100	5.2	QX25SA350	25 × 25 × 350	13.3
QX25SA150	25 × 25 × 150	6.8	QX25SA400	25 × 25 × 400	14.9

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 50.8 × 1.6 mm EN AW - 6082 T6	Extruded tube Ø 14 × 1.5 mm EN AW – 6082 T6	Aluminium casting plate EN AC – 42200 T6	QXFC: quick-fit kit QXSM8: bolt connection kit



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	501	501	0	501	501	0	251	501	0	167	501	0	125	501	0
2	248	497	1	497	497	1	248	497	1	166	497	1	124	497	1
3	164	492	2	492	492	4	246	492	3	164	492	3	123	492	3
4	122	488	6	488	488	9	244	488	8	163	488	7	122	488	7
5	97	483	11	483	483	18	242	483	15	161	483	14	121	403	14
6	80	478	20	466	466	30	239	478	26	159	478	25	120	478	23
7	68	474	37	404	404	42	237	474	42	158	474	39	118	474	37
8	59	469	47	354	354	55	235	469	62	156	469	58	117	469	56
9	52	465	66	315	315	71	226	453	86	155	465	82	116	465	79
10	46	460	91	282	282	89	204	407	108	142	425	105	115	460	108
11	41	456	121	253	253	109	185	369	133	127	380	127	106	422	134
12	38	451	158	228	228	131	168	336	160	114	342	152	95	380	160
13	32	412	187	206	206	155	154	307	190	103	309	179	86	343	188
14	27	374	218	187	187	181	104	280	222	93	280	208	78	311	219

Cantilever load table / Spigot connection

span	Unif. distributed load			Centre point load	
[m]	[kg/m]	[kg]	mm	[kg]	mm
0.5	501	251	0	251	0
1	248	248	0	248	1
1.5	164	246	1	246	4
2	122	244	3	244	9
2.5	97	242	7	242	18
3	80	239	12	231	29

Axial load table

span		
[m]	[kg/m]	
1.0	7376	6973
2.0	7144	5380
3.0	6742	3432
4.0	6143	2193
6.0	4526	
10.0	2165	

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 **QX25SA**



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



QXSM8

Bolt connection set (for 25 series only)



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 QX25SA in the best possible way.



FP25

FX25/TX25/QX25 universal floor plate



FP25M

FX25/TX25/QX25 universal floor plate (large 50×50 cm)



C025

Bar hook for 25 cm series



C025WB

25 cm wall bracket W/half coupler



QX25SAACL

ST 25 cm square clamp module long



QX25SAACS

ST 25 cm square clamp module short

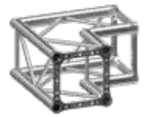


TZ30C01

Assembly universal tool for half-spigot for Dado 25&29 cm.

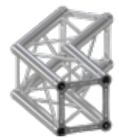
Corners

A wide range or corner elements is available for the QX25SA 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
QX25SAL2090	50 × 50 × 25	4.3

ST 25 cm square - 2 way 90° corner



Code	W × D × H (cm)	Kg
QX25SAL2135	50 × 50 × 25	4.7

ST 25 cm square - 2 way 135° corner



Code	W × D × H (cm)	Kg
QX25SAL3	50 × 50 × 50	5.9

ST 25 cm square - 3 way corner



Code	W × D × H (cm)	Kg
QX25SAT3	50 × 50 × 50	5.5

ST 25 cm square - 3 way tee



Code	W × D × H (cm)	Kg
QX25SAT4	50 × 50 × 50	6.9

ST 25 cm square - 4 way tee



Code	W × D × H (cm)	Kg
QX25SAX4	50 × 50 × 25	6.6

ST 25 cm square - 4 way cross



Code	W × D × H (cm)	Kg
QX25SAX5	50 × 50 × 50	8.0

ST 25 cm square - 5 way cross



Code	W × D × H (cm)	Kg
QX25SAX6	50 × 50 × 50	9.0

ST 25 cm square - 6 way cross

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
FX25C4	25 × 25 × 5	2.1

The 6-way box corner (4 nodules) is the Dado version designed to connect QX25 series trusses with intersections in up to 4 directions of flat 25 truss. Light-Duty version.



Code	W × D × H (cm)	Kg
QX25C8	25 × 25 × 25	7.0

The Dado 6-way box corner (8 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX25 series. Light-Duty version.

Heavy-Duty Dado



Code	W × D × H (cm)	Kg
FU25K4	25 × 25 × 5	3.4

The Dado 6-way box corner (6 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX25 series. Heavy-Duty version with welded diagonal.



Code	W × D × H (cm)	Kg
QU25K8	25 × 25 × 25	8.4

The Dado 6-way box corner (8 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX25 series. Heavy-Duty version with welded diagonals.

Compact bases

End Plated Truss **QX25SA**



This section covers the range of compact bases and ballast-carrying solutions.
The **Support Base** is a steel plate designed to improve base levelling on the ground and to accommodate ballast. It is the ideal complement to the **compact base** series, which can be assembled **without tools**, simply by interlocking the two ground profiles. The weight of the tower itself acts as a stabilisingelement for the connection.
The **BFB version** features profiles specifically designed to house standard concrete plates used as ballast.

Ballast Support Base QU2530SBB



- Outdoor Levelling & Ballast Support
- Outdoor solution for levelling bases and ballast support
- Easy and fast mounting
- Compatible with standard **QU25/QU30 tool-less bases**
- Provision for bolted connection
- Provision for ratchet belt

Tool-less Base LT QU2530BF



- Lightweight, compact solution for indoor use.
- Compatible with all standard **25/30 square trusses**

Tool-less Base LT QU2552BFB



- Lightweight, compact solution for indoor use.
- Compatible with all standard **25/30/40-QL40/QL52 square trusses**
- Self-adjusting design

Tool-less Base LT QU2552BFB



- Lightweight, compact solution for indoor use.
- Compatible with all standard **25/30/40-QL40/QL52 square trusses**
- Self-adjusting design
- Designed to accommodate standard concrete blocks
- (50 ×50 ×5 cm, approx. 18 kg each), not supplied by LITEC



The use of these bases must always be considered within a safety context, including indoor applications.
Any structure installed on these bases must be assessed by qualified personnel for the relevant declaration of correct installation.