

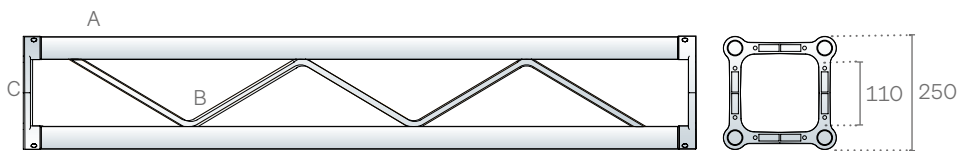
QX25SA

Anti-torsion



Square section aluminium truss with 25 cm long sides.

It is the lightest professional structure, yet it is able to guarantee a reasonable loading capacity and span. The internal 14 mm diameter diagonal components are flush which decreases the aesthetic impact of this truss, which may therefore also be used in small areas.



Corners and fittings

code	cm	kg
FX25C4	25 x 25 x 5	3.3
QX25C8	25 x 25 x 25	7.0
FU25K4	25 x 25 x 5	3.4
QU25K8	25 x 25 x 25	8.4
QX25SAL2045	100 x 100 x 25	6.8
QX25SAL2060	100 x 100 x 25	7.2
QX25SAL2090	50 x 50 x 25	4.3
QX25SAL2120	50 x 50 x 25	4.4
QX25SAL2135	50 x 50 x 25	4.7
QX25SAL2ADJ	50 x 50 x 25	5.9
QX25SAL3	50 x 50 x 25	5.9
QX25SAT3	50 x 50 x 50	5.3
QX25SAT4	50 x 50 x 50	6.9
QX25SAX4	50 x 50 x 25	6.6
QX25SAX5	50 x 50 x 50	8.0
QX25SAX6	50 x 50 x 50	9.0
QX25SAACL	25 x 25 x 25	3.5
QX25SAACS	25 x 12.5 x 25	3.4
QX25SAACSC	25 x 12.5 x 25	3.4

Chords A

Extruded tube \varnothing 50.8 x 1.6 mm
EN AW – 6060 T66

Diagonals B

Extruded tube \varnothing 14 x 1.5 mm
EN AW – 6060 T6

Ends C

Aluminium casting plate
EN AC – 42200 KT6

Connection systems

QXFC: quick-fit kit
QXSM8: bolt connection kit

Linear elements

code	cm	kg
QX25SA012M5	25 x 25 x 12.5	2.5
QX25SA025	25 x 25 x 25	2.8
QX25SA050	25 x 25 x 50	3.5
QX25SA100	25 x 25 x 100	5.2
QX25SA150	25 x 25 x 150	6.8
QX25SA200	25 x 25 x 200	8.4
QX25SA250	25 x 25 x 250	10.0
QX25SA300	25 x 25 x 300	11.6
QX25SA350	25 x 25 x 350	13.3
QX25SA400	25 x 25 x 400	14.9



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		
	kg/m	kg	mm	kg	kg	mm
0.5	501	251	0	251	251	0
1	248	248	0	248	248	1
1.5	164	246	1	246	246	4
2	122	244	3	244	244	9
2.5	97	242	7	242	242	18
3	80	239	12	231	231	29

Axial load table

SPAN		
	kg	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 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 is idealised loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

QX25SA 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	KCF5 Kit for vert. connec incl. bolts, spigots and accessories
QXFC Quick connection set for Q Series	QXSM8 Bolt connection set for 25 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

QX25SAACL ST 25 cm square Clamp module long	QX25SAACS ST 25 cm square Clamp module short	TZ30C01 Assembly tool half-spigot in 25&29cm side trusses with Light Duty Dado	TZ30K01 Assembly tool for half-spigot in 25&29cm side trusses with Heavy Duty Dado	CL2D50 Transport clip. Plastic casting for truss stacking. Fits 48 - 51 mm tube	
FP25 Universal 25 cm truss floor plate (25 x 25 cm)	FP25M Universal 25 cm truss floor plate (50 x 50 cm)	C025WB 25 cm WALL BRACKET with Coupler	C025 Bar hook for 25 cm truss		

Dados, Corners & fittings



QX25SAL2045
ST 25 cm. square
2 way 45° corner



QX25SAL2060
ST 25 cm. square
2 way 60° corner



QX25SAL2090
ST 25 cm. square
2 way 90° corner



QX25SAL2120
ST 25 cm. square 2 ways
120° corner, ext. vertex



QX25SAL2135
ST 25 cm. square 2 way 135°
corner, int. vertex



QX25SAL3
ST 25 cm. square
3 way corner



QX25SAT3
ST 25 cm. square
3 way tee



QX25SAT4
ST 25 cm. square
4 way tee



QX25SAX4
ST 25 cm. square
4 way cross



QX25SAX5
ST 25 cm. square
5 way cross



QX25SAX6
ST 25 cm. square
6 way cross

Light duty Dado



FX25C4
DADO 6 way flat corner (4
nodules) C4 is the DADO
version for square and flat
section structures.



QX25C8
DADO 6 way box corner (8
nodules) C8 is the DADO
version for square section
structures



FU25K4
DADO 6 way flat corner (4
nodules) K4 is the HD DADO
version for square and flat
section structures



QU25K8
DADO 6 way box corner (8
nodules) K8 is the DADO
version for square section
structures

Heavy duty Dado