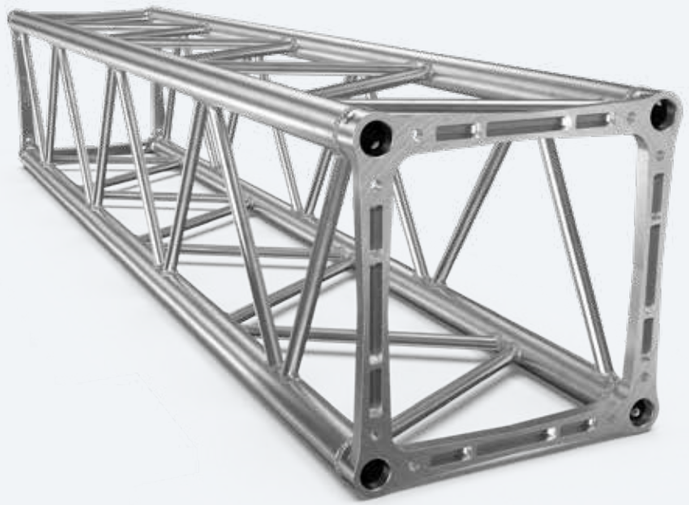
END PLATED TRUSS
QX40SA

Anti-torsion



Square truss with 40 cm sides

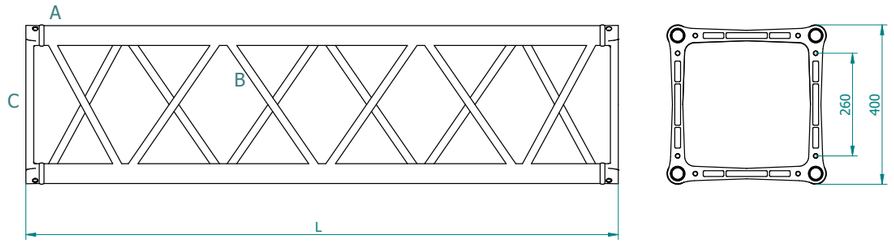
Thanks to its larger size and anti-torsion design, this truss offers increased load capacity and longer spans compared to all smaller models in the range. Commonly used for exhibition areas and in all applications where higher performance and solid load-bearing capabilities are required. Its robust anti-torsion design also makes it an excellent choice for use as a tower truss.

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
QU40ADP010	40 × 40 × 10	4.4	QX40SA200	40 × 40 × 200	16.6
QX40SA025	40 × 40 × 25	5.0	QX40SA250	40 × 40 × 250	19.9
QX40SA050	40 × 40 × 50	6.7	QX40SA300	40 × 40 × 300	23.2
QX40SA100	40 × 40 × 100	10.0	QX40SA350	40 × 40 × 350	26.5
QX40SA150	40 × 40 × 150	13.2	QX40SA400	40 × 40 × 400	29.8

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 T6	QXFC: quick-fit kit QXSM10: 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	3065	3065	0	2865	2865	0	1532	3065	0	1022	3065	0	766	3065	0
2	1529	3058	1	2054	2054	1	1268	2537	1	953	2859	1	765	3058	1
3	1017	3052	4	1578	1578	3	1024	2047	4	797	2392	4	663	2651	4
4	761	3043	10	1273	1273	7	852	1703	8	680	2041	8	551	2205	9
5	494	2472	16	1063	1063	11	726	1452	13	584	1753	14	457	1827	14
6	346	2076	23	909	909	16	630	1260	19	492	1476	21	389	1554	21
7	255	1784	31	792	792	23	555	1110	27	424	1271	28	337	1349	2
8	195	1560	41	699	699	30	495	989	36	371	1113	37	297	1188	38
9	154	1383	53	624	624	39	445	890	46	329	987	48	265	1059	49
10	123	1235	65	562	562	48	403	806	58	295	884	59	238	952	61
11	101	1110	79	510	510	59	368	735	71	266	798	72	216	862	74
12	84	1005	94	465	465	71	337	674	86	242	726	86	196	786	89
13	70	916	110	426	426	84	310	620	102	221	663	101	180	720	105
14	60	838	127	392	392	98	286	572	119	203	608	118	165	662	122
15	51	770	146	362	362	114	265	530	138	187	560	136	153	610	14
16	44	709	166	335	335	131	246	492	159	172	517	155	141	564	161
17	39	655	188	310	310	149	229	458	180	159	478	176	131	523	182
18	34	606	211	288	288	168	213	427	203	148	443	197	121	486	205

Cantilever load table / Spigot connection

span	Unif. distributed load			Centre point load	
[m]	[kg/m]	[kg]	mm	[kg]	mm
1	1427	1427	1	1024	1
2	508	1016	4	634	7
3	258	773	10	451	16
4	154	616	20	347	29
5	101	506	32	278	46
6	71	424	48	230	67

Axial load table

span	Unif. distributed load
[m]	[kg/m]
3	6949
6	5330
9	3069
12	1791

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 **QX40SA**



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 **KSP**

R-spring, set of 100 — 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 QX40SA in the best possible way.



FP40

QX40/QH40 floor plate
(40 x 40 cm)



C029-40

Ceiling support for 29-40 truss series



QU3040H050

29-40 Special Truss L=050
with hoist support



CBT3040

2 points Bridle Hook
for 29 / 40 cm truss



CBQ3040

4 points Bridle Hook
for 29 / 40 cm truss



QX40SAACSC

St 29 cm square clamp module (short)



Q40SL2ADJ

Adjustable angle 0-180°



C040

Bar hook for 40 cm. truss series



C040WB

40 cm wall bracket w/half couplers



SASSL-C406

Support for transport & stacking of 2 x series 40 trusses



SASSL-C409

Universal trolley for transport of series 30 & 40 trusses



QU40K8A021

Adapter for Dado QU40K8. With a usable length of 21 cm, it compensates the size difference between the Dado and a standard 50 cm corner



TZ40C01

Assembly tool for half-spigot for Light-Duty Dado 29/40 cm.

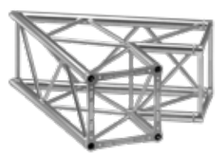


TZ40K01

Assembly tool for half-spigot for Heavy-Duty Dado 29/40 cm.

Corners

A wide range or corner elements is available for the QX40SA 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
QX40SAL2060	100 × 100 × 40	11.2

ST 40 cm square - 2 way 60° corner



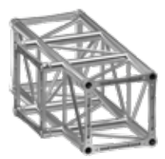
Code	W × D × H (cm)	Kg
QX40SAL2090	50 × 50 × 40	7.6

ST 40 cm square - 2 way 90° corner



Code	W × D × H (cm)	Kg
QX40SAL2120	50 × 50 × 40	7.7

ST 40 cm square - 2 way 120° corner



Code	W × D × H (cm)	Kg
QX40SAT3	100 × 50 × 40	12.0

ST 40 cm square - 3 way tee



Code	W × D × H (cm)	Kg
QX40SAT4	100 × 50 × 50	14.3

ST 40 cm square - 4 way tee



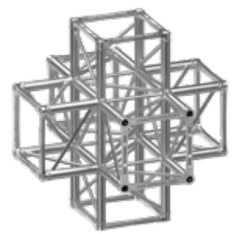
Code	W × D × H (cm)	Kg
QX40SAX4	100 × 100 × 40	16

ST 40 cm square - 4 way cross



Code	W × D × H (cm)	Kg
QX40SAX5	100 × 100 × 50	18.5

ST 40 cm square - 5 way cross



Code	W × D × H (cm)	Kg
QX40SAX6	100 × 100 × 100	22.0

ST 40 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
FX40C4	40 × 40 × 5	4.2

The Dado 6-way box corner (4 nodules) is the Dado version designed to connect QX40SA. Light-Duty version with welded diagonal.



Code	W × D × H (cm)	Kg
QX40C8	40 × 40 × 40	12.3

The Dado 6-way box corner (8 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX40SA series. Light-Duty version with welded diagonals.

Heavy-Duty Dado



Code	W × D × H (cm)	Kg
FU40K4	40 × 40 × 5	4.7

The Dado 6-way box corner (6 nodules) is the simplest and most scalable solution to connect QX40SA. Heavy-Duty version with welded diagonal.



Code	W × D × H (cm)	Kg
QU40K8	40 × 40 × 40	12.8

The Dado 6-way box corner (8 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX40SA series. Heavy-duty version with welded diagonals.

Compact bases

End Plated Truss **QX40SA**



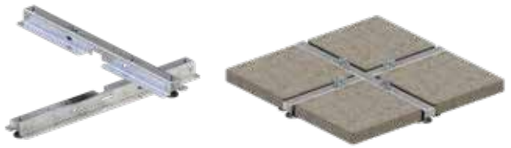
This section covers the range of compact bases and ballast-carrying solutions.
This compact base series is assembled without tools by simply interlocking the two ground profiles.
The tower's own weight stabilises the connection.
The **BFB version** features profiles specifically designed to house standard concrete plates used as ballast.

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.