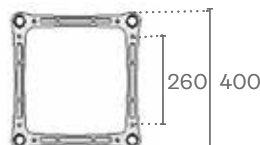
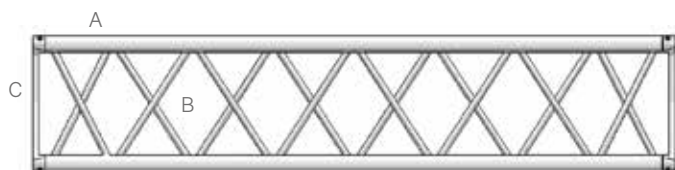


# QX40SA

## Anti-torsion



Square section aluminium truss twist-resistant version with 29 cm long sides. It substitutes the model QX30S, from which it keeps the excellent size, weight, cost and performance characteristics. It is made of 6082 alloy extruded components, with high load-bearing and twisting strength. It is a constitutive element of Unitower, Towerlift 3, and Flyintower 6-300 and Flyintower 7.5-500.



### Corners and fittings

**Chords A**  
extruded tube  $\varnothing 50 \times 2$  mm  
EN AW-6082 T6

**Diagonals B**  
extruded tube  $\varnothing 20 \times 2$  mm  
EN AW-6082 T6

**Ends C**  
aluminium casting plate  
EN AC-42200 T6

**Connection systems**  
QXFC: quick-fit kit  
QXSM10: bolt connection kit

### Linear elements

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

code	cm	kg
FX40C4	40 x 40 x 5	4.3
QX40C8	40 x 40 x 40	12.3
FU40K4	40 x 40 x 5	4.7
QU40K8	40 x 40 x 40	12.6
QX40SAL2ADJ	50 x 50 x 40	9.0
QX40SAL2045	150 x 150 x 40	10.9
QX40SAL2060	100 x 100 x 40	11.2
QX40SAL2090	50 x 50 x 40	7.6
QX40SAL2120	50 x 50 x 40	7.7
QX40SAL2135	50 x 50 x 40	7.9
QX40SAL3	50 x 50 x 50	9.8
QX40SAT3	100 x 50 x 40	12.0
QX40SAT4	50 x 100 x 50	14.3
QX40SAX4	100 x 100 x 40	16.0
QX40SAX5	100 x 100 x 50	18.5
QX40SAX6	100 x 100 x 100	22.0
QX30SAACS	29 x 10.5 x 29	4.2
QX30SAACSC	29 x 12.4 x 29	5.2



### 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	
	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	kg
m	
3	6949
6	5330
9	3069
12	1791

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.

# QX40SA System










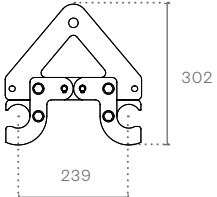
To further enhance the standard products, LITEC offers a wide range of corners, connections and accessories useful for many different applications and needs. "Quick connect" or "nult & bolt connect". End-plated trusses allow to use two different systems of connection. The quick-fit system is certainly 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

					
<b>KSG</b> Litetruss aluminium spigot, set of 10	<b>KCP</b> R-spring, set of 100	<b>KSP</b> Steel pin, set of 10	<b>K370</b> Half truss spigot + 1 steel pin + 1 R-spring (not for Dado)	<b>KSF</b> Threaded pin, set of 12	<b>KCF5</b> Kit for vert. connec incl. bolts, spigots and accessories
					
<b>QXFC</b> Quick connection set for Q Series	<b>QXSM10</b> Bolt connection set for 30 - 40 series	<b>QXCFC</b> 4 special steel half spigots with screws for Light Duty Dado	<b>QUKFC</b> 4 special steel half spigots with screws for Heavy Duty Dado		

## Accessories

				
<b>QX40SAACSC</b> ST 40 cm. square Clamp module Towerlift/Varitower	<b>CO40</b> Bar hook for 40 cm. truss	<b>FP40</b> Universal 40 cm. truss floor plate (40x40 cm)	<b>FP30M</b> Universal truss large floor plate (50x50 cm)	<b>QU3040H050</b> 30-40 Special Truss L=050 with hoist support
				
<b>TZ40K01</b> Assembly tool for half-spigot in 40 cm side trusses with Heavy Duty Dado	<b>TZ40C01</b> Assembly tool for half-spigot in 40 cm side trusses with Light Duty Dado	<b>CBQ3040</b> 4 points Bridle Hook for 29/40 cm. truss	<b>CBT3040</b> 2 points Bridle Hook for 29/40 cm. truss	



**CS029-40**  
Ceiling support for 30-40 truss series - silver



**CL2D50**  
Transport clip. Plastic casting for truss stacking. Fits 48 - 51 mm tube

## Dados, Corners & fittings



**QX40SAL2045**  
ST 40 cm. square 2 way 45° corner



**QX40SAL2060**  
ST 40 cm. square 2 way 60° corner



**QX40SAL2090**  
ST 40 cm. square 2 way 90° corner



**QX40SAL2120**  
ST 40 cm. square 2 ways 120° corner, ext. vertex



**QX40SAL2135**  
ST 40 cm. square 2 way 135° corner, int. vertex



**QX40SAL3**  
ST 40 cm. square 3 way corner



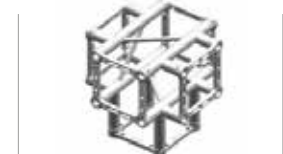
**QX40SAT3**  
ST 40 cm. square 3 way tee



**QX40SAT4**  
ST 40 cm. square 4 way tee



**QX40SAX4**  
ST 40 cm. square 4 way cross



**QX40SAX5**  
ST 40 cm. square 5 way cross



**QX40SAX6**  
ST 40 cm. square 6 way cross



**Q40SL2ADJ**  
Adjustable 2 way corner

## Light duty Dado



**FX40C4**  
DADO 6 way flat corner (4 nodules)  
C4 is the DADO version for square and flat section structures



**QX40C8**  
DADO 6 way box corner (8 nodules)  
C8 is the DADO version for square and flat section structures



**FU40K4**  
DADO 6 way flat corner (4 nodules).  
K4 is the HD DADO version for square and flat section structures.



**QU40K8**  
Dado 6 way box corner (8 nodules).  
K8 is the HD DADO version for square and flat section structures.