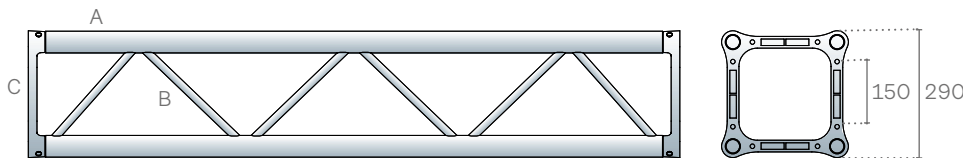


# QX30SA

## 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

code	cm	kg
FX30C4	29 x 29 x 5	3.3
QX30C8	29 x 29 x 29	9.0
FU30K4	29 x 29 x 5	3.7
QU30K8	29 x 29 x 29	9.5
QX30SAL2045	100 x 100 x 29	8.5
QX30SAL2060	100 x 100 x 29	9.2
QX30SAL2090	50 x 50 x 29	5.9
QX30SAL2120	50 x 50 x 29	6.9
QX30SAL2135	50 x 50 x 29	6.3
QX30SAL3	50 x 50 x 50	8.2
QX30SAT3	50 x 50 x 29	7.3
QX30SAT4	50 x 50 x 50	9.7
QX30SAX4	50 x 50 x 29	8.2
QX30SAX5	50 x 50 x 50	9.9
QX30SAX6	50 x 50 x 50	11.2
QX30SAACL	29 x 21 x 29	4.5
QX30SAACS	29 x 10.5 x 29	4.2
QX30SAACSC	29 x 12.4 x 29	5.2

**Chords A**  
Extruded tube Ø 50 x 2 mm  
EN AW – 6082 T6

**Diagonals B**  
Extruded tube Ø 18 x 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
QU30ADPO10M5	29 x 29 x 10.5	2.9
QU30ADPO19M5	29 x 29 x 19.5	3.6
QU30ADPO21	29 x 29 x 21	3.4
QX30SA025	29 x 29 x 25	3.6
QX30SA029	29 x 29 x 29	3.8
QX30SA050	29 x 29 x 50	4.8
QX30SA100	29 x 29 x 100	7.1
QX30SA150	29 x 29 x 150	9.5
QX30SA200	29 x 29 x 200	11.8
QX30SA250	29 x 29 x 250	14.1
QX30SA300	29 x 29 x 300	16.5
QX30SA350	29 x 29 x 350	18.8
QX30SA400	29 x 29 x 400	21.2



### 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	2484	2484	0.3	2484	2484	0.4	1242	2484	0.4	828	2484	0.3	621	2484	0.3
2	1239	2478	2	1981	1981	3	1239	2478	3	826	2478	3	620	2478	3
3	824	2473	7	1386	1386	6	988	1976	8	720	2161	8	586	2344	8
4	550	2200	15	1057	1057	12	768	1536	14	542	1625	14	445	1779	15
5	350	1750	24	850	850	18	624	1248	23	433	1298	22	357	1427	23
6	241	1448	34	708	708	27	523	1046	33	359	1077	32	297	1187	34
7	176	1231	46	605	605	37	449	898	46	306	917	44	253	1013	46
8	133	1067	60	526	526	48	392	783	60	265	796	57	220	880	60
9	104	939	76	463	463	61	346	692	77	233	700	72	194	776	76
10	83	834	94	413	413	76	309	618	95	208	623	89	173	691	94
11	68	748	114	371	371	92	278	556	115	186	559	108	155	621	114
12	56	676	135	335	335	110	252	504	138	168	505	129	140	561	136
13	47	613	159	304	304	130	230	459	162	153	458	151	127	510	160
14	40	559	184	278	278	151	210	420	188	139	418	176	116	465	185
15	34	511	212	254	254	174	193	386	217	127	382	202	107	426	213
16	29	469	241	233	233	199	177	355	247	117	351	230	98	392	243
17	25	431	272	214	214	226	164	327	280	107	322	260	90	360	274
18	22	396	305	197	197	255	151	302	314	99	297	292	83	332	308

### Cantilever load table / Spigot connection

SPAN	Unif. distributed load			Centre point load	
	kg/m	kg	mm	kg	mm
1	1239	1239	1	990	3
2	491	982	8	528	12
3	227	681	19	354	26
4	128	512	35	262	47
5	81	405	55	206	73
6	55	330	79	167	105

### Axial load table

SPAN	kg
3	6367
6	3215
9	1502
12	862

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.

# QX30SA 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> Litectruss 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>KCFS</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>QX30SAACS</b> ST 29 cm. square Clamp module short	<b>QX30SAACSC</b> ST 29 cm. square Clamp for Towerlift/Varitower	<b>QX30SAACL</b> 29 cm square-clamp module-long	<b>CBT3040</b> 2 points Bridle Hook for 29/40 cm. truss	
				
<b>FP30</b> Universal 29 cm truss floor plate (30 x 30 cm)	<b>FP30M</b> Universal 29 cm truss large floor plate (50 x 50 cm)	<b>CBQ3040</b> 4 points Bridle Hook for 29/40 cm. truss	<b>C030</b> Bar hook for 29 cm. truss	



**TZ30K01**  
 Assembly tool for half-spigot in 25&29cm side trusses with Heavy Duty Dado



**TZ30C01**  
 Assembly tool for half-spigot in 25&29cm side trusses with Light Dado



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



**QU30TR**  
 Lighting support



**QU30TRC**  
 Lighting support - diameter 100 cm



**QU3040H050**  
 30-40 Special Truss L=050 with hoist support



**XT-290-PC**  
 Clip for cladding trusses with felt or other lightweight materials



**CO30WB**  
 29 cm wall bracket W/half couplers



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

## Dados, Corners & fittings



**QX30SAL2045**  
 ST 29 cm. square 2 way 45° corner



**QX30SAL2060**  
 ST 29 cm. square 2 way 60° corner



**QX30SAL2090**  
 ST 29 cm. square 2 way 90° corner



**QX30SAL2120**  
 ST 29 cm. square 2 ways 120° corner, ext. vertex



**QX30SAL2135**  
 ST 29 cm. square 2 way 135° corner, int. vertex



**QX30SAL3**  
 ST 29 cm. square 3 way corner



**QX30SAT3**  
 ST 29 cm. square 3 way tee



**QX30SAT4**  
 ST 29 cm. square 4 way tee



**QX30SAX4**  
 ST 29 cm. square 4 way cross



**QX30SAX5**  
 ST 29 cm. square 5 way cross



**QX30SAX6**  
 ST 29 cm. square 6 way cross



**QX30SAX8**  
 ST 29 cm. square 8 way horizontal cross



**Q30SL2ADJ**  
 Adjustable 2 way corner



**QU30BHH**  
 Truss Hinge 29 cm square

## Light duty Dado



**FX30C4**  
 DADO 6 way flat corner (4 nodules) C4 is the DADO version for square and flat section structures



**QX30C8**  
 DADO 6 way box corner (8 nodules) C8 is the DADO version for square section structures



**FU30K4**  
 DADO 6 way flat corner (4 nodules) K4 is the HD DADO version for square and flat section structures



**QU30K8**  
 Dado 6 way box corner (8 nodules) K8 is the DADO version for square section structures