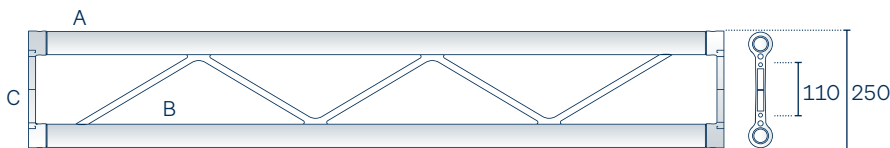


# FX25SA

## Anti-torsion



Flat section aluminium truss with 25 cm long sides. This is the smallest of our flat, end-plated trusses. Internal diagonal braces are made using 14 mm extruded aluminium, which helps to keep the visual profile of the truss to a minimum. Also suitable for use in tight spaces.



### Corners and fittings

code	cm	kg
FX25C2	25 x 5 x 5	1.2
FX25C4	25 x 25 x 5	3.3
FU25K2	25 x 5 x 5	1.3
FU25K4	25 x 25 x 5	3.4
FX25SAACS	25 x 12.5 x 5	1.7
FX25SAL2045P	50 x 50 x 5	2.0
FX25SAL2045V	50 x 50 x 25	3.0
FX25SAL2060P	50 x 50 x 5	2.7
FX25SAL2060V	50 x 50 x 25	3.3
FX25SAL2090P	50 x 50 x 5	1.7
FX25SAL2090V	50 x 50 x 25	1.8
FX25SAL2120P	50 x 50 x 5	1.7
FX25SAL2120V	50 x 50 x 25	1.9
FX25SAL2135P	50 x 50 x 5	2.1
FX25SAL2135V	50 x 50 x 25	1.9
FX25SAL3LP	50 x 50 x 50	2.5
FX25SAL3LV	50 x 50 x 50	2.7
FX25SAL3RP	50 x 50 x 50	2.7
FX25SAL3RV	50 x 50 x 50	2.7
FX25SAT3NP	50 x 50 x 5	2.1
FX25SAT3NV	25 x 50 x 50	2.1
FX25SAT4NP	50 x 50 x 50	3.0
FX25SAT4NV	50 x 50 x 50	2.7
FX25SAX4NP	50 x 50 x 55	2.1
FX25SAX4NV	50 x 50 x 25	2.4
FX25SAAACL	25 x 25 x 5	4.1

### 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

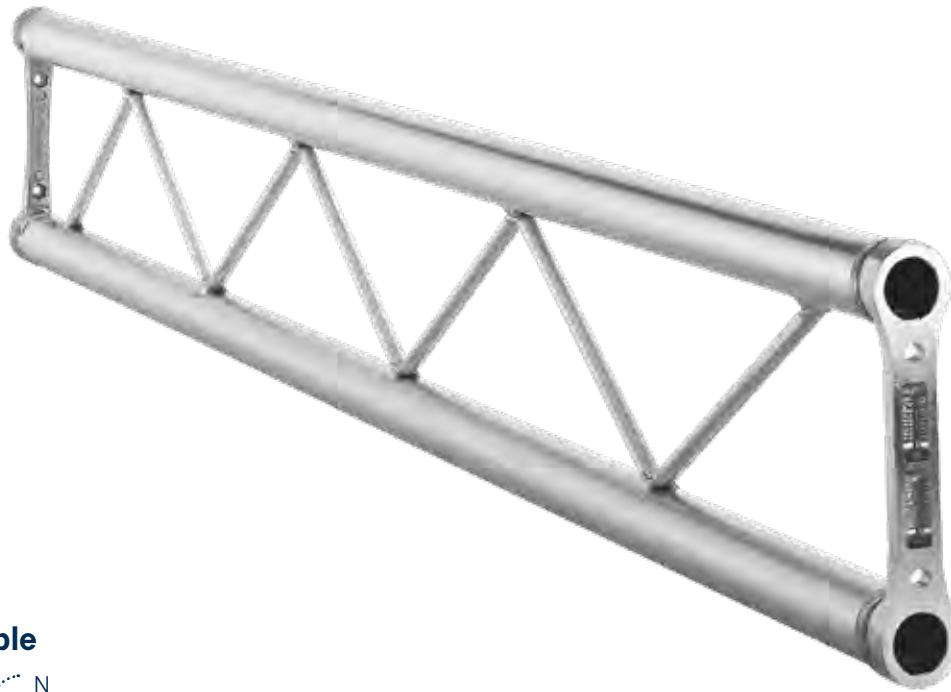
Aluminium casting plate  
EN AC – 42200 KT6

### Connection systems

QXFC: quick-fit kit  
QXSM8: bolt connection kit

### Linear elements

code	cm	kg
FX25SA012M5	25 x 5 x 12.5	0.8
FX25SA025	25 x 5 x 25	1.0
FX25SA050	25 x 5 x 50	1.5
FX25SA100	25 x 5 x 100	2.3
FX25SA150	25 x 5 x 150	3.0
FX25SA200	25 x 5 x 200	3.9
FX25SA250	25 x 5 x 250	4.6
FX25SA300	25 x 5 x 300	5.4
FX25SA350	25 x 5 x 350	6.2
FX25SA400	25 x 5 x 400	7.0



### Axial load table



H m	Awt kg
2	193
3	85
4	48

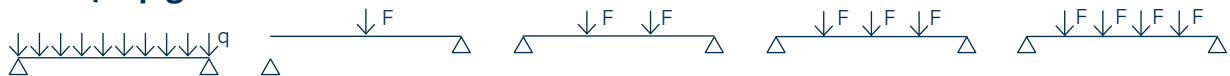
Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9). When calculating the allowable loads it is assumed that the load is suspended from the bottom chord and the truss is supported from the top chord at each end.

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.

### Load table / Spigot connection



SPAN m	Unif. distributed load			Centre point load			Third point load			Quarter point load			Fifth point load		
	Point load kg/m	Full load kg	Central deflection mm	Point load kg	Full load kg	Central deflection mm	Point load kg	Full load kg	Central deflection mm	Point load kg	Full load kg	Central deflection mm	Point load kg	Full load kg	Central deflection mm
1	248	248	0	248	248	0	124	248	0	83	248	0	62	248	0
2	123	246	1	237	237	1	123	246	1	82	246	1	61	246	1
3	81	244	2	126	126	2	94	189	3	63	189	2	52	210	2
4	27	109	3	54	54	2	41	82	3	27	82	3	23	91	3
5	11	53	3	26	26	2	20	40	3	13	40	3	11	44	3
6	4	26	3	13	13	2	10	20	3	7	20	3	5	22	3

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 steucture is frequently assembled and dismantled. In case of permanent installations, on the order hand, a more aconomical 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**  
Extruded tube Ø 50.8x1.6 mm  
EN AW - 6060 T66



**KCP**  
R-spring,  
set of 100



**K370**  
Half truss spigot + 1 steel pin  
+ 1 R-spring (not for Dado)



**KSFH**  
Threaded pin, set of 12



**KCFS**  
Kit for vert. connec incl.  
bolts, spigots and accessories



**QXFC**  
Quick connection set



**QUKFC**  
4 special steel half pigots with  
screws for Heavy Duty Dado  
set of 100



**QXSM8**  
Bolt connection set for 25  
series



**QXCFC**  
4 special steel half spigots with  
screws for Light Duty Dado

## Accessories



**FX25SAACL**  
ST 25 cm. flat - Clamp module  
long



**FX25SAACS**  
ST 25 cm. flat - Clamp module  
short



**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 Duty Dado



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



**FP25**  
Universal 25 cm truss floor  
plate (25x25 cm)



**FP25M**  
Universal 25 cm truss floor  
plate (50x50 cm)

# Dados, Corners & fittings



**FX25SAL2045P**  
ST 25 cm. flat - 2 way 45°  
corner horizontal



**FX25SAL2045V**  
ST 25 cm. flat - 2 way 45°  
corner vertical



**FX25SAL2060P**  
ST 25 cm. flat - 2 way 60°  
corner horizontal



**FX25SAL2060V**  
ST 25 cm. flat - 2 way 60°  
corner vertical



**FX25SAL2090P**  
ST 25 cm. flat - 2 way 90°  
corner horizontal



**FX25SAL2090V**  
ST 25 cm. flat - 2 way 90°  
corner vertical



**FX25SAL2120P**  
ST 25 cm. flat - 2 way 120°  
corner horizontal



**FX25SAL2120V**  
ST 25 cm. flat - 2 way 120°  
corner vertical



**FX25SAL2135P**  
ST 25 cm. flat - 2 way 135°  
corner horizontal



**FX25SAL2135V**  
ST 25 cm. flat - 2 way 135°  
corner vertical



**FX25SAL3LP**  
ST 25 cm. flat - 3 way corner  
left horizontal



**FX25SAL3RP**  
ST 25 cm. flat - 3 way corner  
left vertical



**FX25SAL3LV**  
ST 25 cm. flat - 3 way corner  
right horizontal



**FX25SAL3RV**  
ST 25 cm. flat - 3 way corner  
right vertical



**FX25SAT3NP**  
ST 25 cm. flat - 3 way tee  
horizontal



**FX25SAT3NV**  
ST 25 cm. flat - 3 way tee  
vertical



**FX25SAT4NP**  
ST 25 cm. flat - 4 way tee  
horizontal



**FX25SAT4NV**  
ST 25 cm. flat - 4 way tee  
vertical



**FX25SAX4NP**  
ST 29 cm. flat - 4 way cross  
horizontal



**FX25SAX4NV**  
ST 29 cm. flat - 4 way cross  
vertical

## Light duty Dado



**FX25C2**  
DADO 4 way flat corner (2  
nodules) C2 is the DADO  
version for flat section



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

## Heavy duty Dado



**FU25K2**  
DADO 4 way flat corner  
(2 nodules) K2 is the HD DADO  
version for flat version



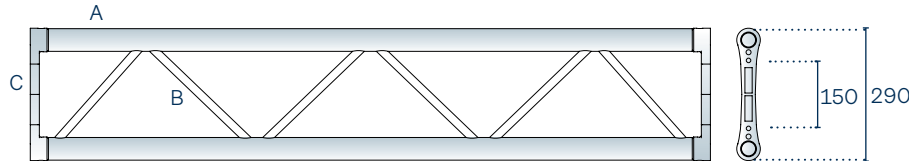
**FU25K4**  
DADO 6 way flat corner  
(4 nodules) K4 is the HD DADO  
version for square and flat  
section structures

# FX30SA

## Anti-torsion



Flat section aluminium truss with 29 cm long sides. The most widely used of the flat, end-plated trusses. Ideal for use in reticular/grid structures and also perfectly suited for use alongside similar components supporting lightweight installations.



### Corners and fittings

code	cm	kg
FX30C2	29 x 5 x 5	1.3
FX30C4	29 x 29 x 5	3.3
FU30K2	29 x 5 x 5	1.4
FU30K4	29 x 29 x 5	3.7
FX30SAL2060P	50 x 50 x 5	3.8
FX30SAL2060V	50 x 50 x 29	3.0
FX30SAL2090P	50 x 50 x 5	2.5
FX30SAL2090V	50 x 50 x 29	2.8
FX30SAL2120P	50 x 50 x 5	2.6
FX30SAL2120V	50 x 50 x 29	2.9
FX30SAL2135P	50 x 50 x 5	2.7
FX30SAL2135V	50 x 50 x 29	2.9
FX30SAL3LP	50 x 50 x 50	3.8
FX30SAL3LV	50 x 50 x 50	3.8
FX30SAL3RP	50 x 50 x 50	3.8
FX30SAL3RV	50 x 50 x 50	3.7
FX30SAT3NP	50 x 50 x 5	2.9
FX30SAT3NV	50 x 50 x 29	4.2
FX30SAT4NP	50 x 50 x 50	3.0
FX30SAT4NV	50 x 50 x 50	4.2
FX30SAX4NP	50 x 50 x 5	3.4
FX30SAX4NV	50 x 50 x 29	3.9
FX30SAACL	29 x 21 x 5	2.4
FX30SAACS	29 x 10.5 x 5	2.1

### Chords A

Extruded tube  $\varnothing$  50 x 2 mm  
EN AW – 6082 T6

### Diagonals B

Extruded tube  $\varnothing$  18 x 2 mm  
EN AW – 6082 T6

### Ends C

Aluminium casting plate  
EN AC – 42200 KT6

### Connection systems

QXFC: quick-fit kit  
QXSM10: bolt connection kit

### Linear elements

code	cm	kg
FX30SA010M5	29 x 5 x 10.5	1.3
FX30SA021	29 x 5 x 21	1.5
FX30SA025	29 x 5 x 25	1.6
FX30SA050	29 x 5 x 50	1.8
FX30SA100	29 x 5 x 100	2.7
FX30SA150	29 x 5 x 150	3.7
FX30SA200	29 x 5 x 200	4.7
FX30SA250	29 x 5 x 250	5.8
FX30SA300	29 x 5 x 300	6.7
FX30SA350	29 x 5 x 350	7.7
FX30SA400	29 x 5 x 400	8.7



### Axial load table



Axial load	
H m	kg
2	251
3	111
4	63

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.

### 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	935	935	0	804	804	0	437	874	0	298	895	0	227	906	0
2	332	664	1	332	332	1	249	498	1	166	498	1	138	553	1
3	103	309	2	155	155	1	116	232	2	77	232	2	64	258	2
4	33	131	2	65	65	2	49	98	2	33	98	2	27	109	2
5	13	63	2	31	31	2	23	47	2	16	47	2	13	52	2
6	5	31	2	16	16	2	12	24	2	8	24	2	7	26	2

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**  
Litecstruss 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

**KCFS**  
Kit for vert. connec 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

## Accessories



**FX30SAACL**  
ST 29 cm. flat - Clamp module  
long



**FX30SAACS**  
ST 29 cm. flat - Clamp module  
short



**FP30**  
Universal 29 cm truss floor  
plate (30 x 30 cm)



**FP30M**  
Universal 29 cm truss large  
floor plate (50 x 50 cm)



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



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



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

# Dados, Corners & fittings



**FX30SAL2060P**  
ST 29 cm. flat - 2 way 60°  
corner horizontal



**FX30SAL2060V**  
ST 29 cm. flat - 2 way 60°  
corner vertical



**FX30SAL2090P**  
ST 29 cm. flat - 2 way 90°  
corner horizontal



**FX30SAL2090V**  
ST 29 cm. flat - 2 way 90°  
corner vertical



**FX30SAL2120P**  
ST 29 cm. flat - 2 way 120°  
corner horizontal



**FX30SAL2120V**  
ST 29 cm. flat - 2 way 120°  
corner vertical



**FX30SAL2135P**  
ST 29 cm. flat - 2 way 135°  
corner horizontal



**FX30SAL2135V**  
ST 29 cm. flat - 2 way 135°  
corner vertical



**FX30SAL3LP**  
ST 29 cm. flat - 3 way corner  
left horizontal



**FX30SAL3LV**  
ST 29 cm. flat - 3 way corner  
left vertical



**FX30SAL3RP**  
ST 29 cm. flat - 3 way corner  
right horizontal



**FX30SAL3RV**  
ST 29 cm. flat - 3 way corner  
right vertical



**FX30SAL3LV**  
ST 29 cm. flat - 3 way tee  
horizontal



**FX30SAL3RV**  
ST 29 cm. flat - 3 way tee  
vertical



**FX30SAT3NP**  
ST 29 cm. flat - 4 way tee  
horizontal



**FX30SAT3NV**  
ST 29 cm. flat - 4 way tee  
vertical



**FX30SAT4NP**  
ST 29 cm. flat - 4 way cross  
horizontal



**FX30SAT4NV**  
ST 29 cm. flat - 4 way cross  
vertical



**FX30SAX4NP**  
ST 25 cm. flat - 4 way cross  
horizontal



**FX30SAX4NV**  
ST 25 cm. flat - 4 way cross  
vertical

## Light duty Dado



**FX30C2**  
DADO 4 way flat  
corner (2 nodules) C2 is the  
DADO version for flat section



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

## Heavy duty Dado



**FU30K2**  
DADO 4 way flat corner  
(2 nodules) K2 is the HD DADO  
version for flat version

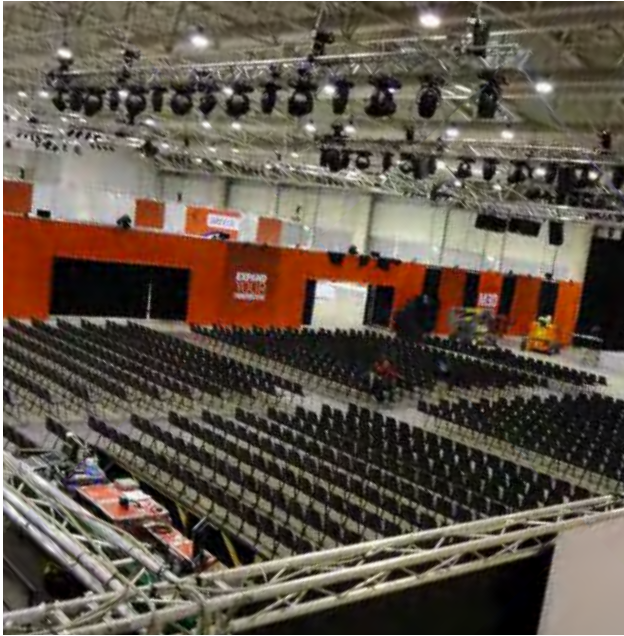


**FU30K4**  
DADO 6 way flat corner  
(4 nodules) K4 is the HD DADO  
version for square and flat  
section structures

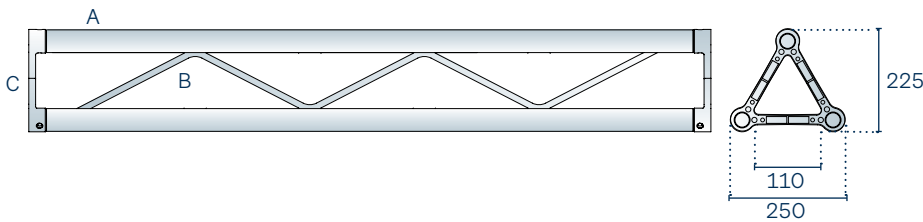


# TX25SA

Anti-torsion



Triangular section aluminium truss with 25 cm long sides. This is the triangular version of 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
TX25SAL2045	100 x 100 x 22.5	6.8
TX25SAL2060	100 x 100 x 22.5	7.2
TX25SAL2090	50 x 50 x 22.5	4.3
TX25SAL2090I	50 x 50 x 25	3.0
TX25SAL2090E	50 x 50 x 25	3.0
TX25SAL2120	50 x 50 x 22.5	3.0
TX25SAL2135	50 x 50 x 22.5	3.1
TX25SAL3L	50 x 50 x 50	4.2
TX25SAL3LU	50 x 50 x 50	4.1
TX25SAL3R	50 x 50 x 50	4.2
TX25SAL3RU	50 x 50 x 50	4.1
TX25SAT3	50 x 50 x 22.5	3.4
TX25SAT3F	50 x 25 x 50	3.6
TX25SAT3FU	50 x 25 x 50	3.5
TX25SAT4	50 x 50 x 50	4.8
TX25SAT4RU	50 x 50 x 50	4.9
TX25SAL3LU	50 x 50 x 50	4.9
TX25SAX4	50 x 50 x 22.5	4.0
TX25SAX5	50 x 50 x 50	6.1
TX25SAX5NU	50 x 50 x 50	6.1

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

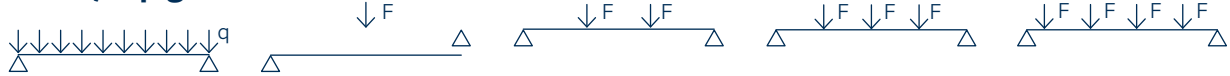
Connection systems  
QXFC: quick-fit kit  
QXSM8: bolt connection kit

## Linear elements

code	cm	kg
TX25SA012M5	25 x 22.5 x 12.5	1.3
TX25SA025	25 x 22.5 x 25	1.6
TX25SA050	25 x 22.5 x 50	2.2
TX25SA100	25 x 22.5 x 100	3.6
TX25SA150	25 x 22.5 x 150	4.8
TX25SA200	25 x 22.5 x 200	5.8
TX25SA250	25 x 22.5 x 250	7.0
TX25SA300	25 x 22.5 x 300	8.1
TX25SA350	25 x 22.5 x 350	9.5
TX25SA400	25 x 22.5 x 400	10.6



### 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	433	433	0	433	433	0	217	433	0	144	433	0	108	433	0
2	214	429	1	429	429	2	214	429	2	143	429	2	107	429	1
3	142	425	4	411	411	6	212	425	6	142	425	5	106	425	5
4	105	421	10	314	314	12	210	421	13	140	421	12	105	421	12
5	83	417	19	253	253	19	183	366	23	128	383	22	104	417	23
6	69	412	33	209	209	27	153	306	34	104	313	32	87	348	34
7	50	530	46	175	175	38	130	261	47	88	263	44	73	292	46
8	37	299	60	149	149	50	112	224	62	75	224	58	62	249	61
9	29	258	77	129	129	63	97	193	78	64	193	73	54	215	77
10	22	224	95	112	112	79	84	168	97	56	168	91	47	187	95
11	18	196	115	98	98	97	73	147	117	49	147	111	41	163	116
12	14	172	138	86	86	117	64	129	140	43	129	132	36	143	138
13	12	151	162	75	75	139	56	113	165	38	113	156	31	125	163
14	9	132	189	66	66	164	49	99	192	33	99	183	27	110	190

### Cantilever load table / Spigot connection



SPAN	Unif. distributed load			Centre point load		
	kg/m	kg	mm	kg	kg	mm
0.5	433	217	0	217	217	0
1.0	214	214	1	214	214	2
1.5	142	212	2	204	204	6
2.0	105	210	6	156	156	11
2.5	83	208	12	125	125	18
3.0	65	195	19	103	103	26

### Axial load table

SPAN		
	kg	kg
1.0	5675	5235
2.0	5420	3528
3.0	4986	1963
4.0	4323	1180
6.0	2770	
9.0	1407	

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-analyse the truss for the loading conditions which prevail for the application being considered.

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)



**KSFH**  
Threaded pin, set of 12

**KCFS**  
Kit for vert. connec incl.  
bolts, spigots and accessories



**QXFC**  
Quick connection set



**QXSM8**  
Bolt connection set  
for 25 series

## Accessories



**FP25**  
Universal 25 cm truss floor  
plate (25 x 25 cm)



**FP25M**  
Universal 25 cm truss floor  
plate (50 x 50 cm)



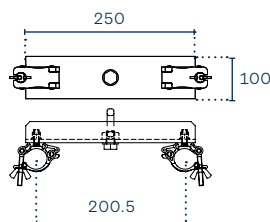
**C025WB**  
25 cm WALL BRACKET  
with Coupler



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



**C025**  
BAR HOOK for 25 cm truss



# Dados, Corners & fittings



**TX25SAL2045**  
ST 25 cm. triangular  
2 way 45° corner



**TX25SAL2060**  
ST 25 cm. triangular  
2 way 60° corner



**TX25SAL2090**  
ST 25 cm. triangular  
2 way 90° corner



**TX25SAL2090E**  
ST 25 cm. triangular  
2 ways 90° corner, ext. vertex



**TX25SAL2090I**  
ST 25 cm. triangular 2 way 90°  
corner, int. vertex



**TX25SAL2120**  
ST 25 cm. triangular  
2 way 120° corner



**TX25SAL2135**  
ST 25 cm. triangular  
2 way 135° corner



**TX25SAL3L**  
ST 25 cm. triangular  
3 way corner left



**TX25SAL3R**  
ST 25 cm. triangular  
3 way corner right



**TX25SAT3**  
ST 25 cm. triangular  
3 way tee



**TX25SAT4**  
ST 25 cm. triangular  
4 way tee



**TX25SAX4**  
ST 25 cm. triangular  
4 way cross



**TX25SAX5**  
ST 25 cm. triangular  
5 way cross



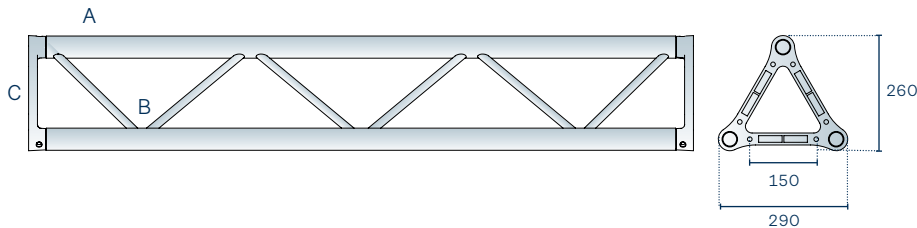
**TX25SAX6**  
ST 25 cm. triangular  
6 way cross

# TX30SA

## Anti-torsion



Triangular section aluminium truss with 29 cm long sides. This is the most popular version of all our triangular trusses. It is manufactured using 6082 aluminium alloy extruded components, with a high load-bearing capacity and twist-resistant strength. The diagonal chords have been re-configured and their diameter changed to improve the aesthetic appearance and increase the overall strength of the truss.



### Corners and fittings

code	cm	kg
TX30SAL2045	100 x 100 x 26	6.9
TX30SAL2045I	100 x 100 x 29	6.9
TX30SAL2060	100 x 100 x 26	7.0
TX30SAL2060I	100 x 100 x 29	7.1
TX30SAL2090	50 x 50 x 26	4.4
TX30SAL2090I	50 x 50 x 29	4.5
TX30SAL2120	50 x 50 x 26	4.6
TX30SAL2120I	50 x 50 x 29	4.9
TX30SAL2135	50 x 50 x 26	4.9
TX30SAL2135I	50 x 50 x 29	5.0
TX30SAL3L	50 x 50 x 50	6.5
TX30SAL3LU	50 x 50 x 50	6.3
TX30SAL3R	50 x 50 x 50	6.4
TX30SAL3RU	50 x 50 x 50	6.3
TX30SAT3	50 x 50 x 26	5.5
TX30SAT3F	29 x 50 x 50	5.8
TX30SAT3FU	29 x 50 x 50	5.5
TX30SAT4	50 x 50 x 50	7.5
TX30SAT4RU	50 x 50 x 50	7.8
TX30SAT4LU	50 x 50 x 50	7.8
TX30SAX4	50 x 50 x 26	6.2
TX30SAX5	50 x 50 x 50	8.4
TX30SAX5NU	50 x 50 x 50	8.6
TX30SAX6	50 x 50 x 50	9.3

### Chords A

Extruded tube  $\varnothing$  50 x 2 mm  
EN AW – 6082 T6

### Diagonals B

Extruded tube  $\varnothing$  18 x 2 mm  
EN AW – 6082 T6

### Ends C

Aluminium casting plate  
EN AC – 42200 KT6

### Connection systems

QXFC: quick-fit kit  
QXSM10: bolt connection kit

### Linear elements

code	cm	kg
TX30SA010M5	29 x 26 x 10.5	2.3
TX30SA021	29 x 26 x 21	2.6
TX30SA025	29 x 26 x 25	2.7
TX30SA050	29 x 26 x 50	3.7
TX30SA100	29 x 26 x 100	5.4
TX30SA150	29 x 26 x 150	7.2
TX30SA200	29 x 26 x 200	9.0
TX30SA250	29 x 26 x 250	10.7
TX30SA300	29 x 26 x 300	12.5
TX30SA350	29 x 26 x 350	14.2
TX30SA400	29 x 26 x 400	16.0



### 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	1819	1819	0	1461	1461	0	909	1819	1	606	1819	0	455	1819	0
2	781	1563	3	781	781	2	586	1172	3	391	1172	2	326	1302	3
3	345	1034	6	517	517	5	388	776	6	259	776	6	215	862	6
4	192	768	10	384	384	8	288	576	11	192	576	10	160	640	10
5	121	606	16	303	303	13	227	454	17	151	454	15	126	505	16
6	83	497	23	248	248	19	186	372	24	124	372	22	103	414	24
7	60	417	32	209	209	26	156	313	33	104	313	30	87	348	32
8	45	356	42	178	178	34	134	267	43	89	267	40	74	297	42
9	34	308	53	154	154	44	116	231	54	77	231	51	64	257	53
10	27	268	66	134	134	55	101	201	67	67	201	63	56	224	66
11	21	234	79	117	117	67	88	176	81	59	176	76	49	195	80
12	17	205	94	102	102	80	77	154	96	51	154	91	43	171	95
13	14	179	111	90	90	95	67	134	113	45	134	107	37	149	112
14	11	157	129	78	78	111	59	118	131	39	118	124	33	131	129
15	9	136	148	68	68	129	51	102	150	34	102	143	28	114	148
16	7	118	168	59	59	148	44	89	170	30	89	163	25	99	169

### Cantilever load table / Spigot connection



SPAN	Unif. distributed load			Centre point load		
	kg/m	kg	mm	kg	kg	mm
1	727	727	1	420	420	2
2	207	414	7	214	214	9
3	92	275	15	139	139	21
4	50	200	28	101	101	37
5	30	152	44	77	77	57
6	20	119	64	60	60	81

### Axial load table

SPAN	Axial load	
	kg	kg
m		
1.0	6391	5841
2.0	6078	3920
3.0	5527	2299
4.0	4754	1429
6.0	3146	
9.0	1688	

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. The load tables values refer to the use of the truss with the apex down.

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**  
Litruss 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



**QXFC**  
Quick connection set



**QXSM10**  
Bolt connection set  
for 30-40 series

**KCFS**  
Kit for vert. connec incl.  
bolts, spigots and accessories

## Accessories



**FP30**  
Universal 29 cm truss floor  
plate (30 x 30 cm)



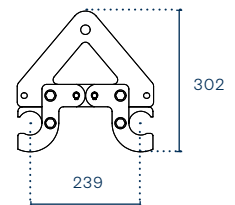
**FP30M**  
Universal 29 cm truss large  
floor plate (50 x 50 cm)



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



**CBT3040**  
2 points Bridle Hook  
for 29/40 cm. truss



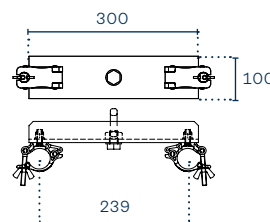
**CL2D50**  
Transport clip. Plastic  
casting for truss stacking.  
Fits 48 - 51 mm tube



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



**CO30**  
Bar hook for 29 cm. truss



# Dados, Corners & fittings



**TX30SAL2045**  
ST 29 cm. triangular  
2 way 45° corner



**TX30SAL2060**  
ST 29 cm. triangular  
2 way 60° corner



**TX30SAL2090**  
ST 29 cm. triangular  
2 way 90° corner



**TX30SAL2090E**  
ST 29 cm. triangular  
2 ways 90° corner, ext. vertex



**TX30SAL2090I**  
ST 29 cm. triangular 2 way  
90° corner, int. vertex



**TX30SAL2120**  
ST 29 cm. triangular  
2 way 120° corner



**TX30SAL2135**  
ST 29 cm. triangular  
2 way 135° corner



**TX30SAL3L**  
ST 29 cm. triangular  
3 way corner left



**TX30SAL3R**  
ST 29 cm. triangular  
3 way corner right



**TX30SAT3**  
ST 29 cm. triangular  
3 way tee



**TX30SAT4**  
ST 29 cm. triangular  
4 way tee



**TX30SAX4**  
ST 29 cm. triangular  
4 way cross



**TX30SAX5**  
ST 29 cm. triangular  
5 way cross



**TX30SAX6**  
ST 29 cm. triangular  
6 way cross



**TU30BHH**  
Truss Hinge 29 cm Triangular



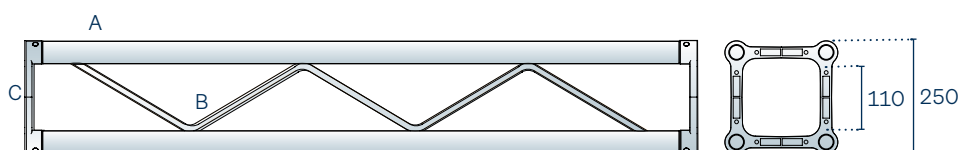
# QX25SA

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.



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

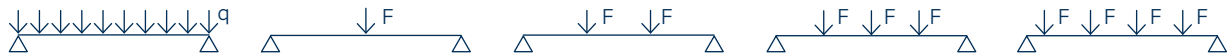
code	cm	kg
QX25SA012M5	25 x 25 x 12.5	2.5
QX25SA025	25 x 25 x 25	2.8
QX25SA050	25 x 25 x 50	3.5
QX25SA100	25 x 25 x 100	5.2
QX25SA150	25 x 25 x 150	6.8
QX25SA200	25 x 25 x 200	8.4
QX25SA250	25 x 25 x 250	10.0
QX25SA300	25 x 25 x 300	11.6
QX25SA350	25 x 25 x 350	13.3
QX25SA400	25 x 25 x 400	14.9

## 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



### 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 are idealised loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

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)



**KSFH**  
Threaded pin, set of 12



**KCFs**  
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



**QP25SAACL**  
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)



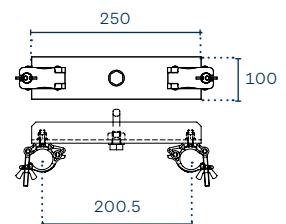
**FP25M**  
Universal 25 cm truss floor plate (50 x 50 cm)



**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

## Heavy duty Dado



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



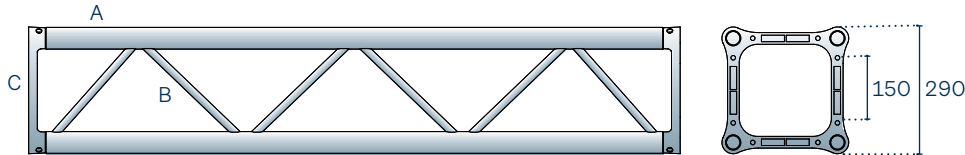
**QU25K8**  
Dado 6 way box corner (8  
nodules) K8 is the DADO  
version for square section  
structures

# 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.



Chords A  
Extruded tube  $\varnothing$  50 x 2 mm  
EN AW – 6082 T6

Diagonals B  
Extruded tube  $\varnothing$  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 40 x 350	18.8
QX30SA400	29 x 40 x 400	21.2

## 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
QX30SAAACL	29 x 21 x 29	4.5
QX30SAAACS	29 x 10.5 x 29	4.2
QX30SAAACSC	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	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



**KSG**  
Litectruss 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

**KCFS**  
Kit for vert. connec incl.  
bolts, spigots and accessories



**QXFC**  
Quick connection set  
for Q Series



**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

## Accessories



**QX30SAACS**  
ST 29 cm. square  
Clamp module short



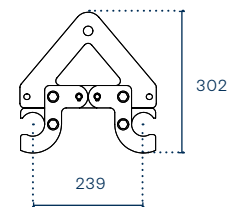
**QX30SAACSC**  
ST 29 cm. square Clamp for  
Towerlift/Varitower



**QX30SAACL**  
29 cm square-clamp  
module-long



**CBT3040**  
2 points Bridle Hook  
for 29/40 cm. truss



**FP30**  
Universal 29 cm truss floor  
plate (30 x 30 cm)



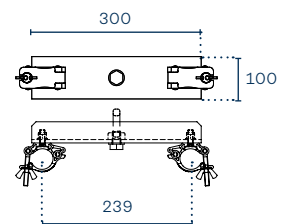
**FP30M**  
Universal 29 cm truss large  
floor plate (50 x 50 cm)



**CBQ3040**  
4 points Bridle Hook  
for 29/40 cm. truss



**C030**  
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



**QU30C8-ADP001**  
 Adapter for Dado QU30K8



**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



**QU30K8-ADP001**  
 Adapter for Dado QU30K8

## Heavy duty Dado

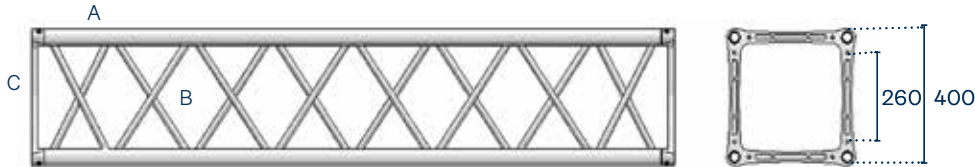


# QX40SA

Anti-torsion



Square section aluminium truss twist-resistant version with 29 cm long sides. It substitutes the model QX40S, 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.



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

Diagonals B  
extruded tube  $\varnothing$  20 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
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

#### Corners and fittings

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 10 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
QX40SAACS	29 x 10.5 x 29	4.2
QX40SAACSC	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	28
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.

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)



**KSFH**  
Threaded pin, set of 12

**KCFS**  
Kit for vert. connec incl.  
bolts, spigots and accessories



**QXFC**  
Quick connection set  
for Q Series



**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

## Accessories



**QX40SAACSC**  
ST 40 cm. square  
Clamp module  
Towerlift/Varitower



**C040**  
Bar hook  
for 40 cm. truss



**FP40**  
Universal 40 cm. truss floor  
plate (40x40 cm)



**FP30M**  
Universal truss large floor  
plate (50x50 cm)



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



**TZ40K01**  
Assembly tool for half-  
spigot in 40 cm side trusses  
with Heavy Duty Dado



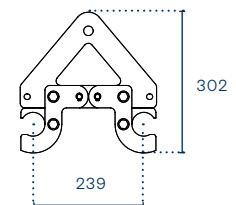
**TZ40C01**  
Assembly tool for  
half-spigot in 40 cm side  
trusses with Light Duty Dado



**CBQ3040**  
4 points Bridle Hook  
for 29/40 cm. truss



**CBT3040**  
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

## Heavy duty Dado



**FU40K4**

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



**QU40K8**

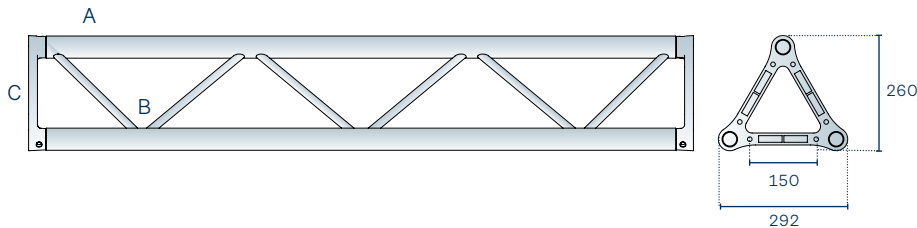
Dado 6 way box corner (8 nodules). K8 is the HD DADO version for square and flat section structures.

# TH30SA

Anti-torsion



The TH30SA triangular truss from LITEC includes this unique end-plate design, thereby making it the right choice for your Light and Medium-duty applications and providing extreme durability for rental applications. The 48 x 3 mm main chords also make it compatible with the most popular scaffolding clamping systems. Constructed from extruded 6082 aluminium alloy, it features high load bearing capacity and twist-resistant strength.



Chords A  
Extruded tube  $\varnothing$  48 x 3 mm  
EN AW – 6082 T6

Diagonals B  
Extruded tube  $\varnothing$  20 x 2 mm  
EN AW – 6082 T6

End C  
Aluminium casting plate  
EN AC – 42200 KT6

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

#### Linear elements

code	cm	kg
TH30SA010M5	29 x 26 x 10.5	2.3
TH30SA021	29 x 26 x 21	2.6
TH30SA025	29 x 26 x 25	2.7
TH30SA050	29 x 26 x 50	3.7
TH30SA100	29 x 26 x 100	5.4
TH30SA150	29 x 26 x 150	7.2
TH30SA200	29 x 26 x 200	9.0
TH30SA250	29 x 26 x 250	10.7
TH30SA300	29 x 26 x 300	12.5
TH30SA350	29 x 26 x 350	14.2
TH30SA400	29 x 26 x 400	16.0

#### Corners and fittings

code	cm	kg
TH30SAL2045	100 x 100 x 26	6.9
TH30SAL2060	100 x 100 x 26	7.0
TH30SAL2090	50 x 50 x 26	4.4
TH30SAL2090E	50 x 50 x 29	4.5
TH30SAL2120	50 x 50 x 26	4.6
TH30SAL3L	50 x 50 x 50	6.5
TH30SA3LU	50 x 50 x 50	6.5
TH30SAL3RU	50 x 50 x 50	6.3
TH30SAT3	50 x 50 x 26	5.5
TH30SAT3F	29 x 50 x 50	5.8
TH30SAT3FU	29 x 50 x 50	5.5
TH30SAT4	50 x 50 x 50	7.5
TH30SAT4FU	50 x 50 x 50	7.8
TH30SAT4LU	50 x 50 x 50	7.8
TH30SAX4	50 x 50 x 26	6.2
TH30SAX5	50 x 50 x 50	8.4
TH30SA5NU	50 x 50 x 50	8.6
TH30SAX6	50 x 50 x 50	9.3



### 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
2	1070	2141	3	1093	1093	2	820	1639	3	547	1640	2	455	1822	3
3	483	1450	6	725	725	5	544	1087	6	362	1087	6	302	1208	6
4	270	1079	10	540	540	8	405	809	11	270	809	10	225	899	10
5	171	855	16	427	427	13	321	641	17	214	641	15	178	712	16
6	117	704	23	352	352	19	264	528	24	176	528	22	147	586	24
7	85	595	32	297	297	26	223	446	32	149	446	30	124	496	32
8	64	511	42	256	256	34	192	384	42	128	384	40	107	426	42
9	50	446	53	223	223	43	167	334	54	111	334	50	93	372	53
10	39	392	65	196	196	54	147	294	67	98	294	62	82	327	66
11	32	348	79	174	174	66	130	261	81	87	261	76	72	290	80
12	26	310	94	155	155	79	116	232	96	77	232	90	65	258	95
13	21	277	111	139	139	93	104	208	113	69	208	107	58	231	112
14	18	248	129	124	124	109	93	186	131	62	186	124	52	207	130
15	15	222	149	111	111	127	83	167	151	56	167	143	46	186	150
16	13	200	170	100	100	146	75	150	173	50	150	164	39	166	171

Load table has been prepared in accordance with din4113 and DIN18800. 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 idealized loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

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**  
Litecstruss 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



**QXFC**  
Quick connection set



**QXSM10**  
Bolt connection set  
for 30-40 series

## Accessories



**FP30**  
Universal 29 cm truss floor  
plate (30 x 30 cm)



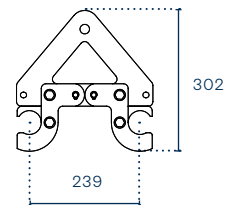
**FP30M**  
Universal 29 cm truss large  
floor plate (50x50 cm)



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



**CBT3040**  
2 points Bridle Hook  
for 29/40 cm truss



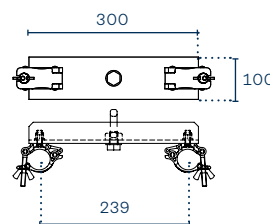
**CL2D50**  
Transport clip. Plastic  
casting for truss stacking.  
Fits 48 - 51 mm tube



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



**CO30**  
Bar hook for 29 cm truss



## Corners & fittings



**TH30SAL2045**  
ST 29 cm triangular  
2 way 45° corner



**TH30SAL2060**  
ST 29 cm triangular  
2 way 60° corner



**TH30SAL2090**  
ST 29 cm triangular  
2 way 90° corner



**TH30SAL2090E**  
ST 29 cm triangular  
2 ways 90° corner, ext. vertex



**TH30SAL2090I**  
ST 29 cm triangular 2 way 90°  
corner, int. vertex



**TH30SAL2120**  
ST 29 cm triangular  
2 way 120° corner



**TH30SAL2135**  
ST 29 cm triangular  
2 way 135° corner



**TH30SAL3L**  
ST 29 cm triangular  
3 way corner left



**TH30SAL3R**  
ST 29 cm triangular  
3 way corner right



**TH30SAT3**  
ST 29 cm triangular  
3 way tee



**TH30SAT4**  
ST 29 cm triangular  
4 way tee



**TH30SAX4**  
ST 29 cm triangular  
4 way cross



**TH30SAX5**  
ST 29 cm triangular  
5 way cross



**TH30SAX6**  
ST 29 cm triangular  
6 way cross



**TU30BHH**  
Truss Hinge 29 cm Triangular



# QH30SA

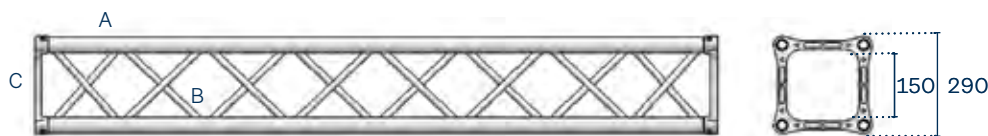
Anti-torsion



Square section heavy duty aluminium truss twist-resistant version with 29 cm long sides.

It substitutes the old Heavy Duty series QD30S and QD30SA.

It is characterized by the introduction of  $\varnothing 48 \times 3$  mm chords and  $\varnothing 20 \times 2$  mm diagonals on all the faces. This truss constitutes Varitower 3-30 and Flyintower 9.5-600.



Chords A  
extruded tube  $\varnothing 48 \times 3$  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
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
QH30SA025	29 x 29 x 25	3.6
QH30SA029	29 x 29 x 29	3.8
QH30SA050	29 x 29 x 50	4.8
QH30SA100	29 x 29 x 100	7.1
QH30SA150	29 x 29 x 150	9.5
QH30SA200	29 x 29 x 200	11.8
QH30SA250	29 x 29 x 250	14.1
QH30SA300	29 x 29 x 300	16.5
QH30SA350	29 x 40 x 350	18.8
QH30SA400	29 x 40 x 400	21.2

## 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
QH30SAL2045	100 x 100 x 29	8.5
QH30SAL2060	100 x 100 x 29	9.2
QH30SAL2090	50 x 50 x 29	5.9
QH30SAL2120	50 x 50 x 29	6.9
QH30SAL2135	50 x 50 x 29	6.3
QH30SAL3	50 x 50 x 50	8.2
QH30SAT3	50 x 50 x 29	7.3
QH30SAT4	50 x 50 x 50	9.7
QH30SAX4	50 x 50 x 29	8.2
QH30SAX5	50 x 50 x 50	9.9
QH30SAX6	50 x 50 x 50	11.2
QH30SAACL	29 x 21 x 29	4.5
QH30SAACS	29 x 10.5 x 29	4.2
QH30SAACSC	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
	kg/m	kg	mm	kg	kg	mm	kg	kg	mm	kg	kg	mm	kg	kg	mm
1	2775	2775	0	2775	2775	0	1387	2775	0	925	2775	0	694	2775	0
2	1384	2768	2	2677	2677	3	1384	2768	2	923	2768	2	692	2768	2
3	920	2760	6	1894	1894	6	1335	2670	7	920	2760	7	690	2760	7
4	688	2753	13	1454	1454	11	1046	2092	14	753	2259	14	614	2454	14
5	492	2462	24	1175	1175	18	855	1709	22	603	1809	22	494	1976	23
6	340	2039	34	982	982	26	720	1439	33	501	1503	32	412	1649	33
7	248	1734	46	840	840	36	619	1239	45	427	1282	43	352	1410	45
8	188	1503	60	732	732	47	542	1083	59	371	1114	57	307	1227	60
9	147	1323	76	646	646	60	480	960	76	327	981	72	271	1083	76
10	118	1176	94	576	576	75	429	859	94	291	874	89	241	966	94
11	96	1056	114	518	518	91	387	774	114	262	785	108	217	869	114
12	79	954	136	469	469	109	351	703	136	237	710	129	197	786	135
13	67	866	159	427	427	129	320	641	161	215	645	151	179	715	159
14	56	790	185	390	390	150	294	587	187	196	589	176	163	654	185
15	48	723	212	357	357	173	270	540	215	180	539	202	150	600	213
16	42	664	241	328	328	198	249	497	246	165	495	230	138	551	242
17	36	611	272	302	302	225	230	459	278	152	456	260	127	508	274
18	31	563	305	278	278	254	213	425	313	140	420	292	117	469	307

### Cantilever load table / Spigot connection

SPAN	Unif. distributed load			Centre point load	
	kg/m	kg	mm	kg	mm
1	1384	1384	1	1337	3
2	663	1327	8	726	11
3	310	930	19	490	26
4	176	704	34	365	46
5	112	559	54	287	73
6	76	457	78	234	104

### Axial load table

SPAN	kg
m	
3	8873
6	4521
9	2112
12	1212

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.

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)



**KSFH**  
Threaded pin, set of 12

**KCFS**  
Kit for vert. connec incl.  
bolts, spigots and accessories



**QXFC**  
Quick connection set  
for Q Series



**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

## Accessories



**QH30SAACS**  
ST 29 cm. square  
Clamp module short



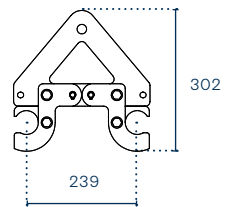
**QH30SAACL**  
ST 29 cm. square Clamp for  
Towerlift/Varitower



**QU30ADP010M5**  
Universal Adapter 29 cm  
square - Length 10.5 cm



**CBT3040**  
2 points Bridle Hook for  
29/40 cm. truss



**QU30ADP021**  
Universal Adapter 29 cm  
square - Length 21 cm



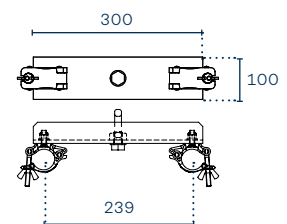
**FP30**  
Universal 29 cm truss floor  
plate (30 x 30 cm)



**FP30M**  
Universal 29 cm truss large  
floor plate (50 x 50 cm)



**C030**  
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 Duty Dado



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



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



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



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



**QU30TR**  
Lighting support



**QU30TRC**  
Lighting support diameter 100 cm



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



**CBQ3040**  
4 points Bridle Hook for 29/40 cm. truss

## Dados, Corners & fittings



**QH30SAL2045**  
HD 29 cm. square 2 way 45° corner



**QH30SAL2060**  
HD 29 cm. square 2 way 60° corner



**QH30SAL2090**  
HD 29 cm. square 2 way 90° corner



**QH30SAL2120**  
HD 29 cm. square 2 ways 120° corner, ext. vertex



**QH30SAL2135**  
HD 29 cm. square 2 way 135° corner, int. vertex



**QH30SAL3**  
HD 29 cm. square 3 way corner



**QH30SAT3**  
HD 29 cm. square 3 way tee



**QH30SAT4**  
HD 29 cm. square 4 way tee



**QH30SAX4**  
HD 29 cm. square 4 way cross



**QH30SAX5**  
HD 29 cm. square 5 way cross



**QH30SAX6**  
HD 29 cm. square 6 way cross



**Q30SL2ADJ**  
Adjustable two way corner



**QU30BHH**  
Truss Hinge 29 cm square

## Heavy duty Dado



**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 HD DADO version for square section structures



**QU30K8-ADP001**  
Adapter for Dado QU30K8

# QH40SA

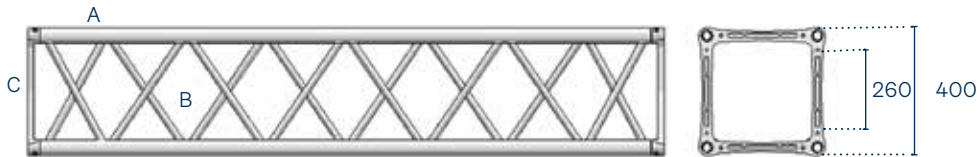
Anti-torsion



Square section heavy duty aluminium truss twist-resistant version with 40 cm long sides.

It replaces the old Heavy Duty series QD40S and QD40SA.

It is characterized by the introduction of  $\varnothing 48 \times 3$  mm chords and  $\varnothing 20 \times 2$  mm diagonals on all the faces. This truss constitutes Varitower 3-40.



Chords A  
extruded tube  $\varnothing 48 \times 3$  mm  
EN AW-6082 T6

Diagonals B  
extruded tube  $\varnothing 22 \times 2$  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
QH40SA025	40 x 40 x 25	5.6
QH40SA050	40 x 40 x 50	7.6
QH40SA100	40 x 40 x 100	11.3
QH40SA150	40 x 40 x 150	14.9
QH40SA200	40 x 40 x 200	18.6
QH40SA250	40 x 40 x 250	22.3
QH40SA300	40 x 40 x 300	26
QH40SA350	40 x 40 x 350	29.6
QH40SA400	40 x 40 x 400	33.3

## Corners and fittings

code	cm	kg
FU40K4	40 x 40 x 5	4.7
QU40K8	40 x 40 x 40	12.6
QH40SAACSC	40 x 14.4 x 40	7.1
QH40SAL2045	150 x 150 x 40	11.6
QH40SAL2060	100 x 100 x 40	17.3
QH40SAL2090	50 x 50 x 40	12.6
QH40SAL2120	50 x 50 x 40	9.2
QH40SAL2135	50 x 50 x 40	9.2
QH40SAL3	50 x 50 x 50	9.5
QH40SAT3	100 x 50 x 40	14.8
QH40SAT4	100 x 50 x 50	17.3
QH40SAX4	100 x 100 x 40	20.1
QH40SAX5	100 x 100 x 50	19.9
QH40SAX6	100 x 100 x 100	27.9



### 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	3650	3650	0	3650	3650	0	1825	3650	0	1217	3650	0	913	3650	0
2	1822	3644	1	2822	2822	1	1736	3471	1	1215	3644	1	911	3644	1
3	1213	3638	4	2180	2180	3	1408	2815	4	1093	3279	4	907	3627	4
4	908	3631	8	1767	1767	7	1176	2353	7	936	2809	8	767	3066	9
5	693	3467	16	1480	1480	11	1006	2013	12	816	2447	14	637	2549	14
6	486	2919	23	1270	1270	16	877	1754	19	691	2073	20	544	2176	21
7	359	2515	31	1110	1110	22	775	1550	26	597	1790	28	474	1894	29
8	276	2206	41	984	984	30	693	1386	35	524	1572	37	418	1674	38
9	218	1960	52	881	881	38	625	1251	46	466	1399	47	374	1496	48
10	176	1761	65	797	797	48	569	1138	58	419	1257	59	338	1350	60
11	145	1590	79	725	725	58	521	1041	71	380	1139	72	307	1228	74
12	120	1445	94	664	664	70	479	958	85	347	1040	86	281	1123	88
13	102	1322	110	612	612	83	443	885	101	318	954	101	258	1033	104
14	87	1215	128	565	565	97	411	821	118	293	879	118	239	954	122
15	75	1122	146	524	524	112	382	765	137	271	814	135	221	885	140
16	65	1039	167	488	488	129	357	714	157	252	755	155	206	823	160
17	57	965	188	455	455	146	334	668	178	234	703	175	192	767	181
18	50	899	211	425	425	165	313	626	201	219	656	197	179	717	204

### Cantilever load table / Spigot connection

SPAN	Unif. distributed load			Centre point load	
	kg/m	kg	mm	kg	mm
1	1822	1822	1	1408	1
2	700	1400	4	880	6
3	358	1074	10	632	16
4	216	862	19	489	29
5	143	714	32	395	46
6	101	605	47	329	68

### Axial load table

SPAN	kg
m	
3	9697
6	7444
9	4316
12	2519

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.

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)



**KSFH**  
Threaded pin, set of 12

**KCFS**  
Kit for vert. connec incl.  
bolts, spigots and accessories



**QXFC**  
Quick connection set  
for Q Series



**QXSM10**  
Bolt connection set  
for 30 - 40 series



**QUKFC**  
4 special steel half spigots with  
screws for Heavy Duty Dado

## Accessories



**QH40SAACSC**  
ST 40 cm. square  
Clamp module  
Towerlift/Varitower



**QU40ADP010**  
Universal Adapter  
29 cm. square  
Length 10 cm



**CO40**  
Bar hook for 40 cm truss



**FP40**  
Universal 40 cm truss floor  
plate (40 x 40 cm)



**FP30M**  
Universal 40 cm truss large  
floor plate (50 x 50 cm)



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



**TZ40K01**  
Assembly tool for half-spigot  
in 40 cm side trusses with  
Heavy Duty Dado



**TZ40C01**  
Assembly tool for half-spigot  
in 40 cm side trusses with  
Light Duty Dado



**CBQ3040**  
4 points Bridle Hook  
for 29/40 cm truss



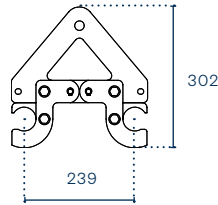
**QU3040H050**  
30-40 Special Truss L=050  
with hoist support



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



**CBT3040**  
2 points Bridle Hook Bar  
29/40 cm. truss



## Dados, Corners & fittings



**QH40SAL2045**  
HD 40 cm. square  
2 way 45° corner



**QH40SAL2060**  
HD 40 cm. square  
2 way 60° corner



**QH40SAL2090**  
HD 40 cm. square  
2 way 90° corner



**QH40SAL2120**  
HD 40 cm. square 2 ways  
120° corner, ext. vertex



**QH40SAL2135**  
HD 40 cm. square 2 way  
135° corner, int. vertex



**QH40SAL3**  
HD 40 cm. square  
3 way corner



**QH40SAT3**  
HD 40 cm. square  
3 way tee



**QH40SAT4**  
HD 40 cm. square  
4 way tee



**QH40SAX4**  
HD 40 cm. square  
4 way cross



**QH40SAX5**  
HD 40 cm. square  
5 way cross



**QH30SAX6**  
HD 29 cm. square  
6 way cross



**Q40SL2ADJ**  
Adjustable 2 way corner

## Heavy duty Dado



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



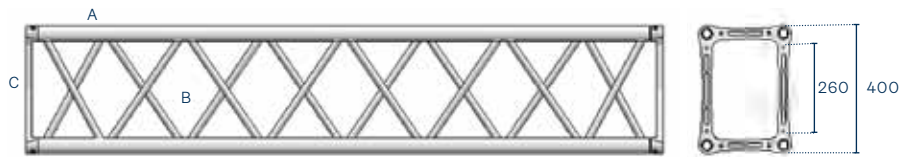
**QU40K8**  
Dado 6 way box corner  
(8 nodules) K8 is the HD DADO  
version for square section  
structures



# RH40SA



RH40SA is on the front line of rectangular truss that meets the needs of your demanding projects, as it has been specifically developed for applications that require heavy-duty performance. A perfect choice for rental companies, it features LITEC's end plated connection system for greater resistance to twisting, decrease in bending and absolute connection compatibility between other trusses throughout the years due to no risk of deformation.



## Chords A

Extruded tube  $\varnothing$  48 x 3 mm  
EN AW – 6082 T6

## Diagonals B

Extruded tube  $\varnothing$  22 x 2 mm  
EN AW – 6082 T6

## End C

Aluminium casting plate  
EN AC – 42200 KT6

## Connection systems

QXFC: quick-fit kit

## Linear elements

code	cm	kg
RH40SA010	40 x 29 x 10	4.4
RH40SA025	40 x 29 x 25	5.6
RH40SA050	40 x 29 x 50	7.6
RH40SA100	40 x 29 x 100	11.3
RH40SA150	40 x 29 x 150	14.9
RH40SA200	40 x 29 x 200	18.6
RH40SA250	40 x 29 x 250	22.3
RH40SA300	40 x 29 x 300	26.0
RH40SA350	40 x 29 x 350	29.6
RH40SA400	40 x 29 x 400	33.3

## Corners and fittings

code	cm	kg
RH40K8	40 x 29 x 29	10.6
RH40K12	40 x 29 x 29	13.0



### 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	3175	3175	0	3043	3043	0	1588	3175	0	1058	3175	0	794	3175	0
2	1584	3168	1	2389	2389	2	1390	2780	2	1012	3036	2	792	3168	2
3	1054	3162	5	1977	1977	5	1191	2382	5	887	2662	5	717	2869	5
4	789	3155	11	1688	1688	9	1044	2088	10	792	2376	10	648	2594	11
5	630	3148	21	1460	1460	16	929	1857	17	715	2146	18	592	2369	19
6	450	2700	32	1236	1236	23	837	1674	27	648	1944	29	524	2094	30
7	329	2302	43	1069	1069	32	761	1522	39	556	1668	40	451	1806	41
8	250	2001	56	939	939	43	680	1359	52	485	1455	52	396	1584	54
9	196	1766	71	835	835	55	608	1216	67	430	1289	66	352	1407	69
10	158	1576	88	750	750	68	549	1097	84	385	1154	82	316	1262	86
11	129	1420	107	679	679	83	499	997	102	347	1042	100	286	1142	104
12	107	1289	127	619	619	100	456	912	123	316	947	119	260	1040	124
13	91	1177	149	567	567	118	419	838	145	289	866	140	238	953	147
14	77	1080	174	522	522	138	387	773	170	265	796	163	219	876	171
15	66	994	199	481	481	159	358	716	196	245	734	188	202	809	197
16	57	919	227	446	446	182	333	665	225	227	680	214	187	749	224
17	50	852	257	414	414	207	310	619	255	210	630	243	174	696	254
18	44	791	289	385	385	234	289	578	287	195	586	273	162	648	286

### Cantilever load table / Spigot connection

SPAN	Unif. distributed load			Centre point load	
	Point load	Full load	Central deflection	Point load	Central deflection
m	kg/m	kg	mm	kg	mm
1	151	151	1	119	2
2	591	118	5	838	9
3	324	971	14	616	23
4	205	820	28	468	42
5	141	704	47	373	66
6	98	586	70	308	96

### Axial load table

m	kg
1	14100
2	11900
3	8850
4	6220
5	4440

Load table has been prepared in accordance with din4113 and DIN18800. 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 idealized loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

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## Connections



**KSG**  
Litecstruss aluminium spigot,  
set of 10



**KCP**  
R-spring,  
set of 10



**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



**QXFC**  
Quick connection set



**QXSM10**  
Bolt connection set  
for 30-40 series



**QUKFC**  
4 special steel half spigots with  
screws for Heavy Duty Dado

## Accessories



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



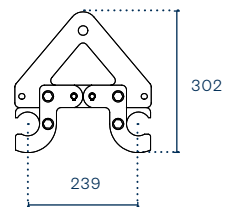
**CBQ3040**  
4 points Bridle Hook  
for 29/40 cm. truss



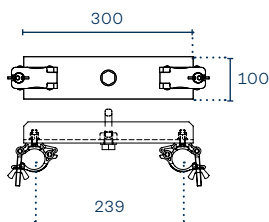
**CL2D50**  
Transport clip. Plastic  
casting for truss stacking.  
Fits 48 - 51 mm tube



**CBT3040**  
2 points Bridle Hook for  
29/40 cm. truss



**C030**  
Bar hook for 29 cm. truss



## Corners & fittings

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**RU40K8**  
Dado 6 way box corner  
(8 nodules)



**RU40K12**  
Dado 6 way box corner  
(12 nodules)