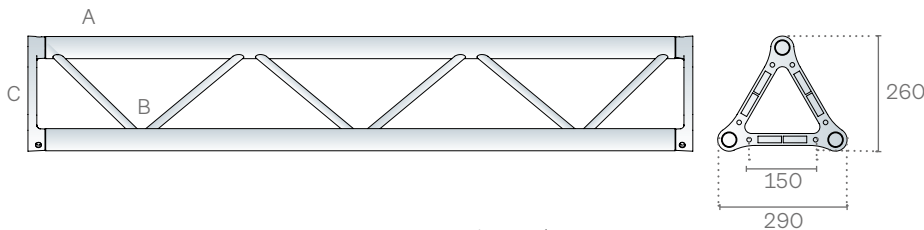


TX30SA

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.



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

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



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	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.





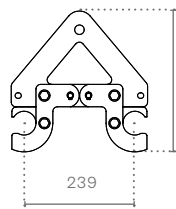



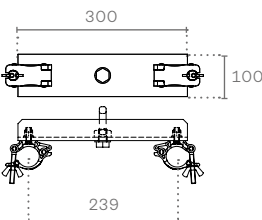
TX30SA System

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

					
<p>KSG Litetruss aluminium spigot, set of 10</p>	<p>KCP R-spring, set of 100</p>	<p>KSP Steel pin, set of 10</p>	<p>K370 Half truss spigot + 1 steel pin + 1 R-spring (not for Dado)</p>	<p>KSF Threaded pin, set of 12</p>	<p>KCFS Kit for vert. connec incl. bolts, spigots and accessories</p>
					
<p>QXFC Quick connection set</p>	<p>QXSM10 Bolt connection set for 30-40 series</p>				

Accessories

				
<p>FP30 Universal 29 cm truss floor plate (30 x 30 cm)</p>	<p>FP30M Universal 29 cm truss large floor plate (50 x 50 cm)</p>	<p>CO30WB 29 cm wall bracket W/half couplers</p>	<p>CBT3040 2 points Bridle Hook for 29/40 cm. truss</p>	
				
<p>CL2D50 Transport clip. Plastic casting for truss stacking. Fits 48 - 51 mm tube</p>	<p>QU3040H050 30-40 Special Truss L=050 with hoist support</p>	<p>CO30 Bar hook for 29 cm. truss</p>		

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