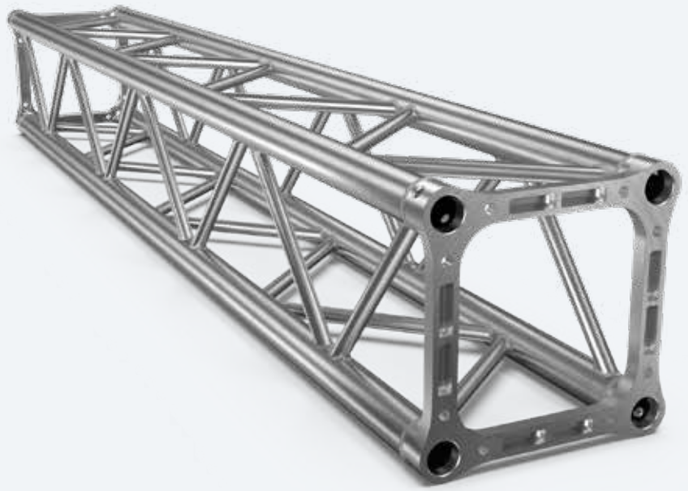
END PLATED TRUSS
QH30SA

Anti-torsion



Square truss with 29 cm sides Heavy-Duty line

Like all trusses in the “H” series, this model has been developed to enhance performance over the corresponding “X” series.

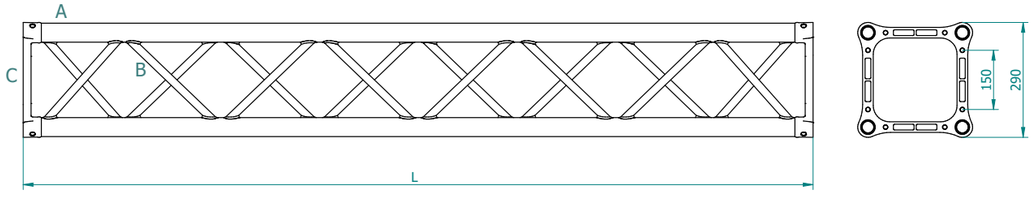
Thanks to its anti-torsion design and increased wall thickness of the main tubes, it maintains the same overall dimensions as the QX30SA model while delivering improved span and load capacity.

Main tubes: Ø48 × 3 mm aluminium
Diagonals: Ø20 × 2 mm aluminium

LINEAR ELEMENTS

Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
QU30ADP010M5	29 × 29 × 10.5	3.2	QH30SA150	29 × 29 × 150	11.7
QU30ADP019M5	29 × 29 × 19.5	3.6	QH30SA200	29 × 29 × 200	14.7
QU30ADP021	29 × 29 × 21	3.7	QH30SA250	29 × 29 × 250	17.7
QH30SA025	29 × 29 × 25	4.1	QH30SA300	29 × 29 × 300	20.8
QH30SA029	29 × 29 × 29	4.4	QH30SA350	29 × 40 × 350	23.9
QH30SA050	29 × 40 × 50	5.7	QH30SA400	29 × 40 × 400	27.0
QH30SA100	29 × 40 × 100	8.7			

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 48 × 3 mm EN AW - 6082 T6	Extruded tube Ø 20 × 2 mm EN AW – 6082 T6	Aluminium casting plate EN AC – 42200 T6	QXFC: quick-fit kit QXSM10: bolt connection kit



Load table / Spigot connection

span	Unif. distributed load			Centre point load			Third point load			Quarter point load			Fifth point load		
	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection
[m]	[kg/m]	[kg]	mm	[kg]	[kg]	mm	[kg]	[kg]	mm	[kg]	[kg]	mm	[kg]	[kg]	mm
1	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	
[m]	[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	Unif. distributed load
[m]	[kg/m]
3	8873
6	4521
9	2112
12	1212

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

The values shown in the table are the allowable static loads that can be applied the the truss. This is the live load or the payload.

The self weight of the truss has been taken into account when calculating the values in the table. It should be noted that this are idealised loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

Connections

End Plated Truss **QH30SA**



End-plated trusses are compatible with two connection options: the **spigotted connection**, which is the preferred solution for temporary setups and the most widely used by professionals, and the common **nut and bolt system**. Load data in the tables of this catalogue refer to the spigot connection. **The bolted connection reduces performance**. Please contact our Technical Office for guidance.



KSG

Aluminium spigot, set of 10



KCP

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



KSFHZ1

Stainless steel pin with self-locking nut and rubber damper. Recommended for permanent installations. Set of 12.



KCFS

Kit for vert. connection incl. bolts, spigots and accessories



QXFC

Quick connection set



QXSM10

Bolt connection set for 30 – 40 series



QXCFC

4 special steel half spigots with screws for Light Duty Dado



QUKFC

4 special steel half spigots with screws for Heavy Duty Dado

Complements

A range of complementary elements is available as standard to help you interface your QH30SA in the best possible way.



QU30ADP-001

7° angled spacer for series 29 square trusses.



QU30ADP-052

5° angled spacer for series 29 square trusses.



QX30SAACS

ST 29 cm. square Clamp module short



QX30SAACL

ST 29 cm. square Clamp module-long



FP30

FX30/TX30/QX30/TH30/QH30 universal floor plate



FP30M

FX30/TX30/QX30/TH30/QH30 universal floor plate (large 50×50 cm)



QU30TR

Lighting support



Q30SL2ADJ

Adjustable angle 0-180°



C030

Bar hook for 29 cm. truss



C030WB

29 cm wall bracket w/ half couplers



C029-40

Ceiling support for 29-40 truss series



CBT3040

2 points Bridle Hook for 29 / 40 cm truss



CBQ3040

4 points Bridle Hook for 29/40 cm. truss



QU30TRC

Lighting support - Diameter 100 cm



SASSL-B815

Support for transport & stacking of 2 x series 29 trusses



SASSL-C225

Support for transport & stacking of 4 x series 29 trusses



SASSL-C409

Universal trolley for transport of series 29 & 40 trusses



QU30K8A021

Adapter for Dado QU30K8. With a usable length of 21 cm, it compensates the size difference between the Dado and a standard 50 cm corner



TZ30K01

Assembly tool for half-spigot for Dado 29 cm. (for Heavy-Duty Dado)

Dado, the multi-way box

The Litec Dado system is designed for interconnecting flat and square trusses. Its coupling concept allows the creation of 90° angles in any direction, while maintaining the outer dimensions of the truss and ensuring visual continuity. Each truss has its own dedicated Dado model. The QH30SA line interfaces exclusively with the **Heavy-Duty** Dado series, featuring CNC-machined solid aluminium nodes.

Heavy-Duty Dado



Code	W × D × H (cm)	Kg
FU30K4	29 × 29 × 5	4.7

The Dado 6-way box corner (6 nodules) is the simplest and most scalable solution to connect QH30SA.
Heavy-Duty version with welded diagonal.



Code	W × D × H (cm)	Kg
QU30K8	29 × 29 × 29	12.8

The Dado 6-way box corner (8 nodules) is the simplest and most scalable solution to create corners with up to 6 directions.
For QH30SA series.
Heavy-duty version with welded diagonals.

Compact bases

This section covers the range of compact bases and ballast-carrying solutions.
The **Support Base** is a steel plate designed to improve base levelling on the ground and to accommodate ballast. It is the ideal complement to the **compact base** series, which can be assembled **without tools**, simply by interlocking the two ground profiles. The weight of the tower itself acts as a stabilising element for the connection.
The **BFB version** features profiles specifically designed to house standard concrete plates used as ballast.

Ballast Support Base QU2530SBB



- Outdoor Levelling & Ballast Support
- Outdoor solution for levelling bases and ballast support
- Easy and fast mounting
- Compatible with standard **QU25/QU30 tool-less bases**
- Provision for bolted connection
- Provision for ratchet belt

Tool-less Base LT QU2530BF



- Lightweight, compact solution for indoor use.
- Compatible with all standard **25/30 square trusses**

Tool-less Base LT QU2552BFB



- Lightweight, compact solution for indoor use.
- Compatible with all standard **25/30/40-QL40/QL52 square trusses**
- Self-adjusting design

Tool-less Base LT QU2552BFB



- Lightweight, compact solution for indoor use.
- Compatible with all standard **25/30/40-QL40/QL52 square trusses**
- Self-adjusting design
- Designed to accommodate standard concrete blocks (50 ×50 ×5 cm, approx. 18 kg each), not supplied by LITEC



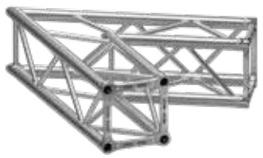
The use of these bases must always be considered within a safety context, including indoor applications.
Any structure installed on these bases must be assessed by qualified personnel for the relevant declaration of correct installation.

Corners

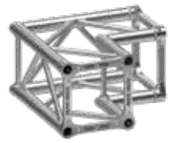
End Plated Truss **QH30SA**



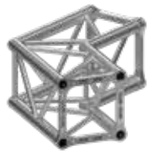
A wide range or corner elements is available for the QH30SA System. Standard corners come in various opening angles. Here we present the most commonly used angles. Other solutions are available on request.



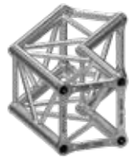
Code	W × D × H (cm)	Kg
QH30SAL2060	100 × 100 × 29	12.1
ST 29 cm square 2 ways 60° corner		



Code	W × D × H (cm)	Kg
QH30SAL2090	50 × 50 × 29	7.1
ST 29 cm square 2 ways 90° corner		



Code	W × D × H (cm)	Kg
QH30SAL2120	50 × 50 × 29	7.9
ST 29 cm square 2 ways 120° ext. vertex		



Code	W × D × H (cm)	Kg
QH30SAL2135	50 × 50 × 29	8.1
ST 29 cm square 2 ways 135° corner, int. vertex		



Code	W × D × H (cm)	Kg
QH30SAL3	50 × 50 × 50	9.7
ST29 cm square 3 way corner		



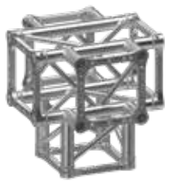
Code	W × D × H (cm)	Kg
QH30SAT3	50 × 50 × 29	8.3
ST29 cm square 3 way tee		



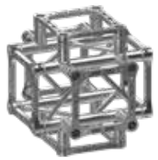
Code	W × D × H (cm)	Kg
QH30SAT4	50 × 50 × 50	11.1
ST29 cm square 4 way tee		



Code	W × D × H (cm)	Kg
QH30SAX4	50 × 50 × 29	9.5
ST 29 cm. square 4 way cross		



Code	W × D × H (cm)	Kg
QH30SAX5	50 × 50 × 50	12.2
ST 29 cm. square 5 way cross		



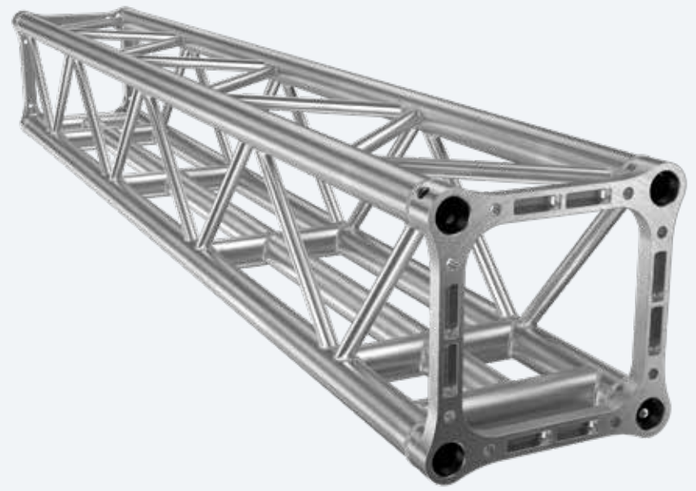
Code	W × D × H (cm)	Kg
QH30SAX6	50 × 50 × 50	13.2
ST 29 cm. square 6 way cross		



Code	W × D × H (cm)	Kg
QU30BHH	100 × 32 × 40	20
Truss Hinge 29 cm square		

END PLATED TRUSS
QH30SAZ





MIDDLE CHORD TRUSS

Square truss with 29 cm sides – Heavy-Duty line with central chord

A special version of the QH30SA line with a 48 mm diameter central chord. Designed for direct central hanging of balanced loads.

The ready-made solution for suspending LED walls, lighting fixtures, and scenic rigs.

Main tubes: Ø48 × 3 mm aluminium
Central Chord: Ø48 × 3 mm aluminium
Diagonals: Ø20 × 2 mm aluminium

Thanks to its distinctive design with a central chord, this truss offers unique load coefficients, available on request from our technical team.

Available in lengths of 100, 150, 200, 250, 300, 350 and 400 cm. Other lengths on request.

Chords A	Diagonals B	Ends C	Central Chord D	Connection systems
Extruded tube Ø 48 × 3 mm EN AW - 6082 T6	Extruded tube Ø 20 × 2 mm EN AW – 6082 T6	Aluminium casting plate EN AC – 42200 T6	Extruded tube Ø 48 × 3 mm EN AW - 6082 T6	QXFC: quick-fit kit QXSM10: bolt connection kit

