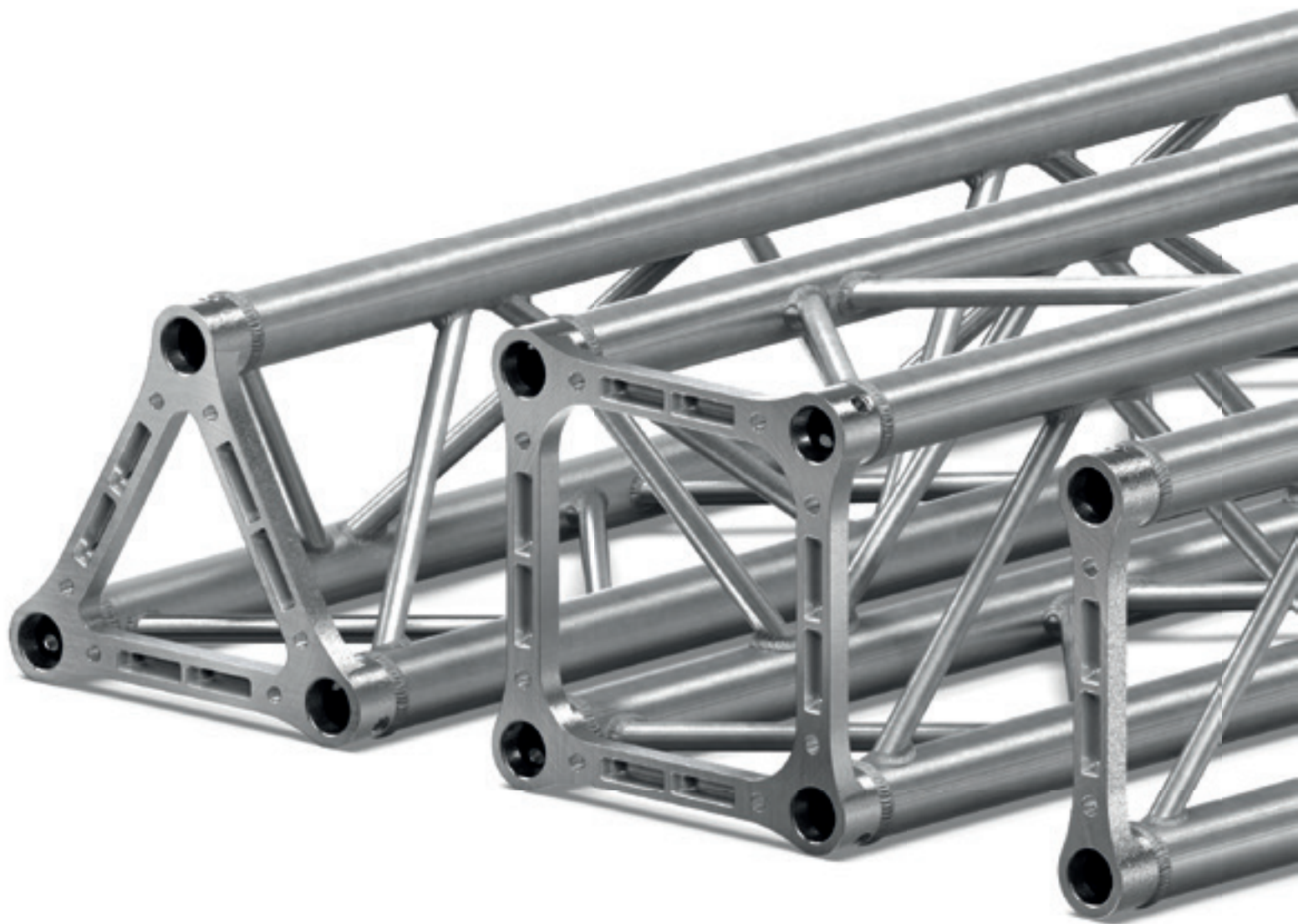
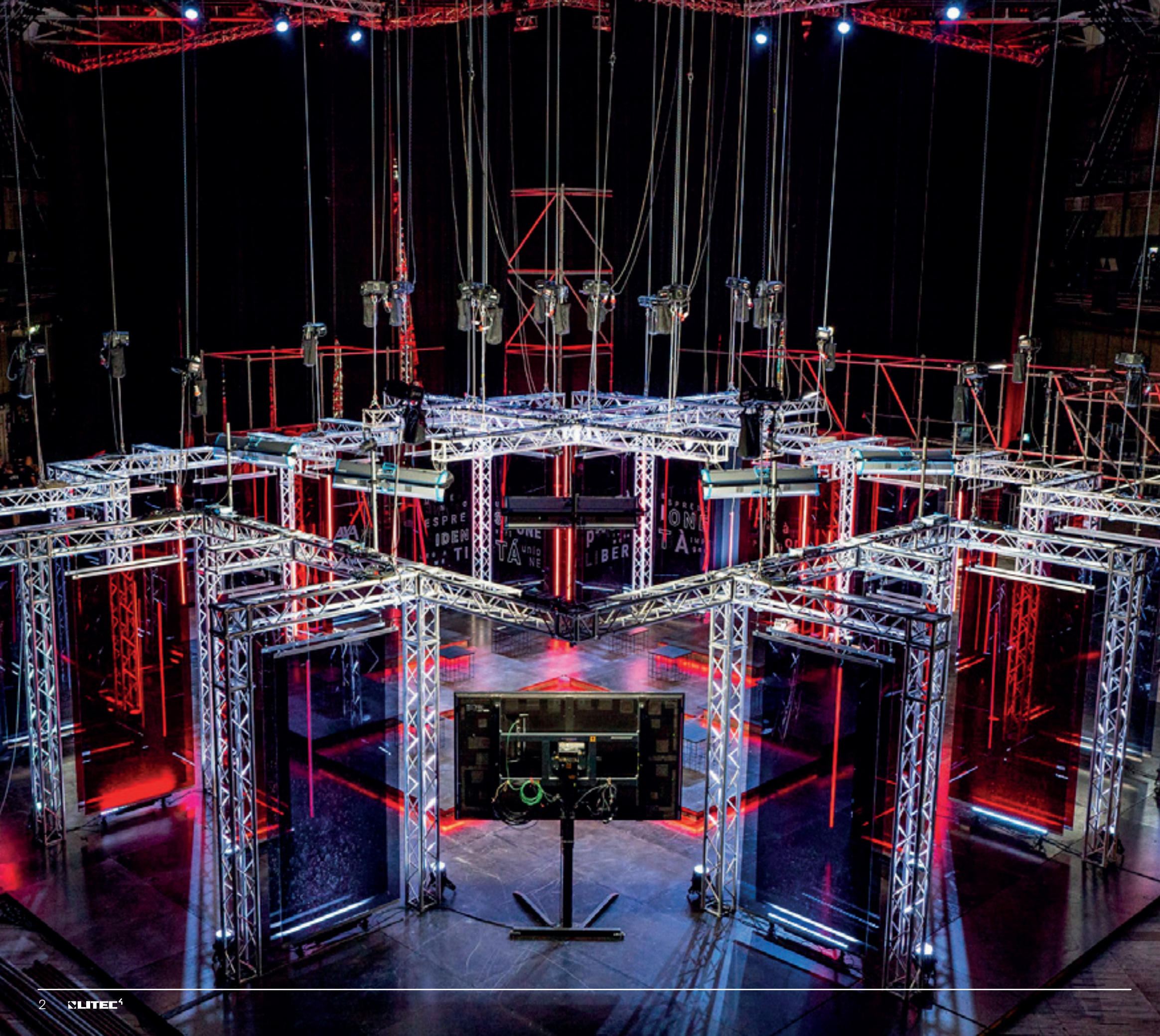




END PLATED Truss	3
FX25SA	8
FX30SA	12
TX25SA	16
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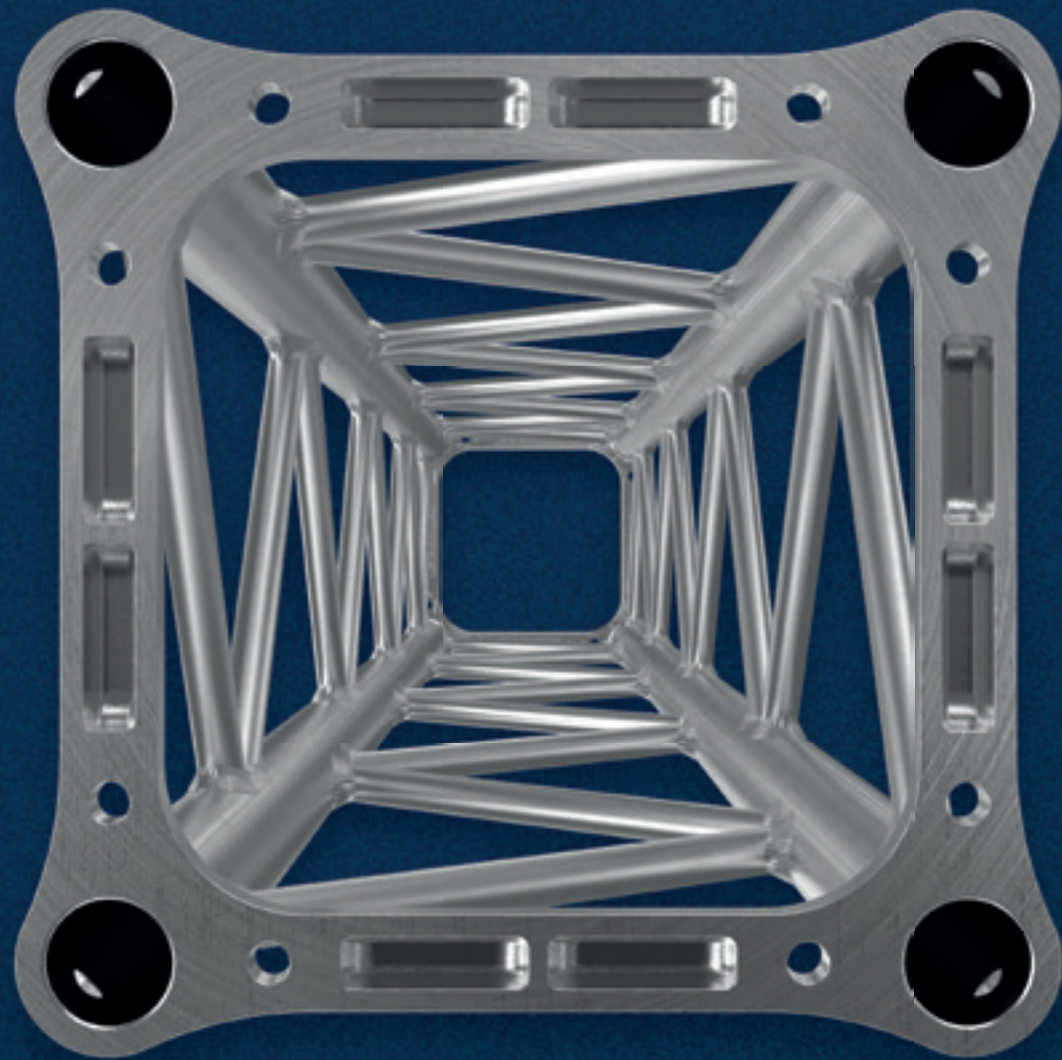


Engineered Trussing Solutions for Event Design

From TV studios to trade shows, from stage wings in theatres to concerts, from advertising banner structures to LED screen portals, and from small setups to large-scale events, aluminium trusses have long been essential for creating temporary and permanent installations.

Their clean design ensures a minimal visual impact in any setting, either blending into the background or standing out when highlighted with lighting.

For over thirty years, **LITEC** has been one of the leading names in the industry, thanks to its product line featuring the iconic plated connection system.



END PLATED

Aluminium Truss

The Power of Design

LITEC and its iconic truss series with die-cast aluminium end plates stand as a distinctive and enduring presence in the world of event structures.

The plate connectors ensure:

- Greater twist resistance
- Minimal eccentricity
- Full compatibility between trusses, even after years of use

LITEC, the Trussworthy Passion

Dual Connection Mode:

The LITEC End Plate offers two connection systems designed for different applications.



The **conical spigot connection** provides the highest structural performance and is the only connection system used for the **official load tables**. It complies with the certified load ratings and represents the industry standard for professional truss applications.



The **bolted connection** is intended for applications where **structural loads are limited** and a completely flush outer profile is required. By integrating the bolts within the end plate, it eliminates external protrusions, making it particularly suitable for architectural installations, museums, exhibitions and other permanent applications where aesthetics or cladding requirements take priority over maximum load capacity.



The Range

FLAT



TRIANGULAR



SQUARE



RECTANGULAR



END PLATED TRUSS

FX25SA



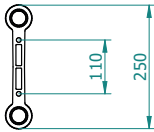
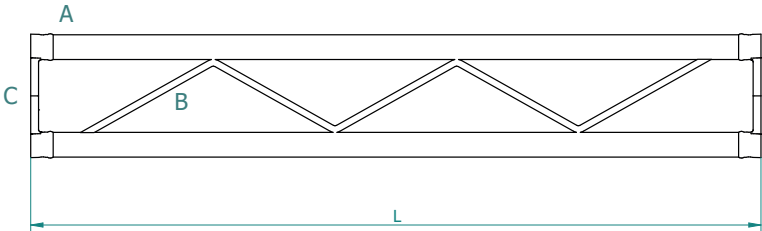
Flat truss with 25 cm side dimension

This is the most compact model in the LITEC Plated series, designed for applications where space and weight are key factors. It features main tubes with a diameter of 50.8 and a wall thickness of 1.6 mm, while the bracing consists of bent tubes measuring 14 mm in diameter.

Main tubes: Ø50.8 × 1.6 mm aluminium
Diagonals: Ø14 × 1.5 mm aluminium

LINEAR ELEMENTS					
Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
FX25SA012M5	25 × 5 × 12.5	0.8	FX25SA200	25 × 5 × 200	3.9
FX25SA025	25 × 5 × 25	1.0	FX25SA250	25 × 5 × 250	4.6
FX25SA050	25 × 5 × 50	1.5	FX25SA300	25 × 5 × 300	5.4
FX25SA100	25 × 5 × 100	2.3	FX25SA350	25 × 5 × 350	6.2
FX25SA150	25 × 5 × 150	3.0	FX25SA400	25 × 5 × 400	7.0

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 50.8 × 1.6 mm EN AW – 6060 T6	Extruded tube Ø 14 × 1.5 mm EN AW – 6060 T6	Aluminium casting plate EN AC – 42200 KT6	QXFC: quick-fit kit QXSM8: 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	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

Axial load table

Axial load	
span	
[m]	[kg/m]
2	193
3	85
4	48

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 **FX25SA**



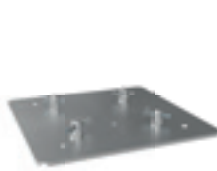
End-plated trusses are compatible with two connection options: the **spigotted connection**, which is the preferred solution for temporary setups and the most widely used by professionals, and the common **nut and bolt system**. Load data in the tables of this catalogue refer to the spigot connection.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

				
KSG	KCP	KSP	K370	KSFH
Aluminium spigot, set of 10	R-spring, set of 100	Steel Pin, set of 10	Half truss spigot + 1 steel pin + 1 R-spring (not for Dado)	Threaded pin, set of 12
				
KCF	QXFC	QXSM8	QXCFC	QUKFC
Kit for vert. connection incl. bolts, spigots and accessories	Quick connection set	Bolt connection set (for 25 series only)	4 special steel half spigots with screws for Light Duty Dado	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 FX25SA in the best possible way.

			
FX25SAACL	FX25SAACS	FP25	FP25M
ST 25 cm flat - Clamp module long	ST 25 cm flat - Clamp module short	FX25/TX25/QX25 universal floor plate	FX25/TX25/QX25 universal floor plate (large 50x50 cm)



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. Each version includes **Light-Duty** models with die-cast nodes, as well as **Heavy-Duty** models featuring CNC-machined solid aluminium nodes.

Light-Duty Dado				Heavy-Duty Dado			
							
FX25C2	FX25C4	FU25K2	FU25K4	FX25C2	FX25C4	FU25K2	FU25K4
4 way box corner (2 nodules) is the Dado version designed for connecting flat trusses. Particularly suitable for creating grids. Light-Duty version	4 way box corner (4 nodules) is suitable for square-section trusses and intersections between square and flat trusses. Light-Duty version.	4 way box corner (2 nodules) is the Dado version designed for connecting flat trusses. Particularly suitable for creating grids. Heavy-Duty version.	4 way box corner (4 nodules) is suitable for square-section trusses and intersections between square and flat trusses. Heavy-Duty version with welded diagonal.	4 way box corner (2 nodules) is the Dado version designed for connecting flat trusses. Particularly suitable for creating grids. Light-Duty version	4 way box corner (4 nodules) is suitable for square-section trusses and intersections between square and flat trusses. Light-Duty version.	4 way box corner (2 nodules) is the Dado version designed for connecting flat trusses. Particularly suitable for creating grids. Heavy-Duty version.	4 way box corner (4 nodules) is suitable for square-section trusses and intersections between square and flat trusses. Heavy-Duty version with welded diagonal.



Corners

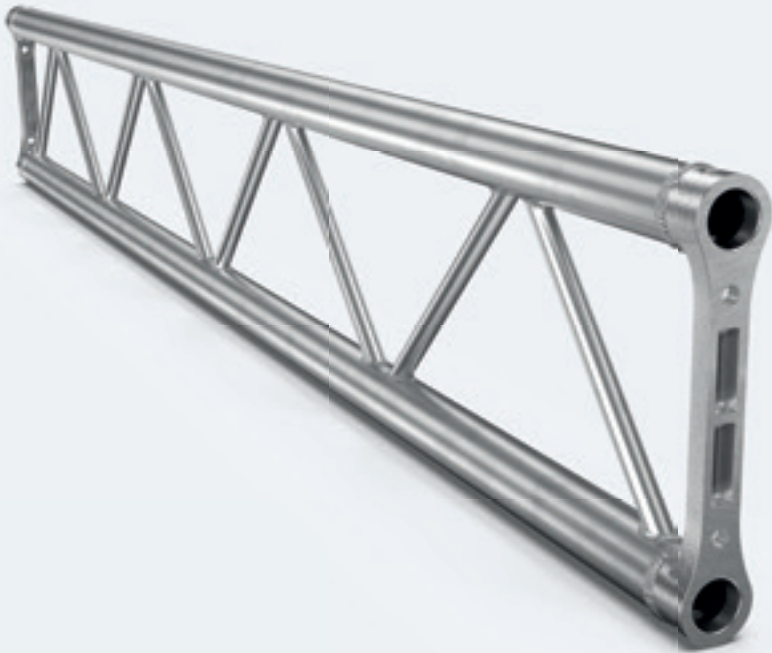
END PLATED TRUSS
FX25SA

A wide range of corner elements is available for the FX25SA System. Standard corners come in various opening angles. Here we present the most commonly used angles. Other solutions are available on request.

			
FX25SAL2045P	FX25SAL2060P	FX25SAL2090P	FX25SAL2120P
ST 25 cm flat - 2 way 45° corner	ST 25 cm flat - 2 way 60° corner horizontal	ST 25 cm flat - 2 way 90° corner horizontal	ST 25 cm flat - 2 way 120° corner horizontal
			
FX25SAL2135P	FX25SAT3NP	FX25SAX4NP	FX25SAL2045V
ST 25 cm flat - 2 way 135° corner horizontal	ST 25 cm flat - 3 way tee horizontal	ST 25 cm flat - 4 way cross horizontal	ST 25 cm flat - 2 way 45° corner vertical
			
FX25SAL2060V	FX25SAL2090V	FX25SAL2120V	FX25SAL2135V
ST 25 cm flat - 2 way 45° corner vertical	ST 25 cm flat - 2 way 90° corner vertical	ST 25 cm flat - 2 way 120° corner vertical	ST 25 cm flat - 2 way 135° corner vertical
			
FX25SAL3LP	FX25SAL3P	FX25SAL3LV	FX25SAL3RV
ST 25 cm flat - 3 way corner left horizontal	ST 25 cm flat - 3 way corner left vertical	ST 25 cm flat - 3 way corner right horizontal	ST 25 cm flat - 3 way corner right vertical
			
FX25SAT3NV	FX25SAT4NP	FX25SAT4NV	FX25SAX4NV
ST 25 cm flat - 3 way tee vertical	ST 25 cm flat - 4 way tee horizontal	ST 25 cm flat - 4 way tee vertical	ST 25 cm flat - 4 way cross vertical

END PLATED TRUSS

FX30SA



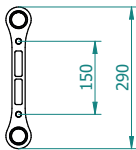
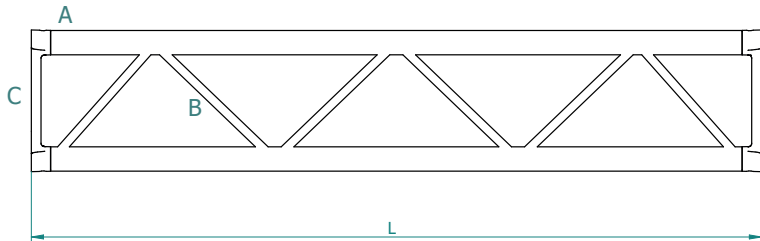
Flat truss with 29 cm side dimension

This is the most commonly used model among flat, end-plated trusses. It is ideal for use in reticular or grid-based structures and integrates perfectly with the QX30SA model when used with the appropriate accessories.

Main tubes: Ø50 × 2 mm aluminium
Diagonals: Ø18 × 2 mm aluminium

LINEAR ELEMENTS					
Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
FX30SA010M5	29 × 5 × 10.5	1.3	FX30SA200	29 × 5 × 200	4.7
FX30SA021	29 × 5 × 21	1.5	FX30SA250	29 × 5 × 250	5.8
FX30SA025	29 × 5 × 25	1.6	FX30SA300	29 × 5 × 300	6.7
FX30SA050	29 × 5 × 50	1.8	FX30SA350	29 × 5 × 350	7.7
FX30SA100	29 × 5 × 100	2.7	FX30SA400	29 × 5 × 400	8.7
FX30SA150	29 × 5 × 150	3.7			

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 50 × 2 mm EN AW – 6082 T6	Extruded tube Ø 18 × 2 mm EN AW – 6082 T6	Aluminium casting plate EN AC – 42200 KT6	QXFC: quick-fit kit QXSM10: bolt connection kit



Load table / Spigot connection

Unif. distributed load



Centre point load



Third point load



Quarter point load



Fifth point load



span	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

Axial load table

Axial load



span	
[m]	[kg/m]
2	251
3	111
4	63

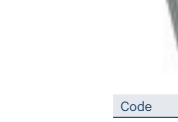
Load table has been prepared in accordance with EN 1999-1-1. When calculating the allowable loads it is assumed that the load is suspended from the bottom chord and the truss is supported from the top chord at each end.
The values shown in the table are the allowable static loads that can be applied 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 **FX30SA**

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 FX30SA in the best possible way.

 FX30SAACL ST 29 cm flat - Clamp module long	 FX30SAACS ST 29 cm flat - Clamp module short	 FP30 FX30/TX30/QX30/TH30/QH30 universal floor plate	 FP30M FX30/TX30/QX30/TH30/QH30 universal floor plate (large 50x50 cm)
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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. Each version includes **Light-Duty** models with die-cast nodes, as well as **Heavy-Duty** models featuring CNC-machined solid aluminium nodes.





Code	W × D × H (cm)	Kg
FX30C2	29 × 5 × 5	1.3

4 way box corner (2 nodules) is the Dado version designed for connecting flat trusses. Particularly suitable for creating grids.
Light-Duty version

Code	W × D × H (cm)	Kg
FX30C4	29 × 29 × 5	3.3

4 way box corner (4 nodules) is suitable for square-section trusses and intersections between square and flat trusses.
Light-Duty version with welded diagonals.





Code	W × D × H (cm)	Kg
FU30K2	29 × 29 × 5	1.4

4 way box corner (2 nodules) is the Dado version designed for connecting flat trusses. Particularly suitable for creating grids.
Heavy-Duty version.

Code	W × D × H (cm)	Kg
FU30K4	29 × 29 × 5	3.7

4 way box corner (4 nodules) is suitable for square-section trusses and intersections between square and flat trusses.
Heavy-Duty version with welded diagonal.

Corners

END PLATED TRUSS **FX30SA**

A wide range of corner elements is available for the FX30SA System. Standard corners come in various opening angles. Here we present the most commonly used angles. Other solutions are available on request.

	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAL2060P</td><td>100 × 100 × 5</td><td>3.8</td></tr></table> ST 29 cm flat - 2 way 60° corner	Code	W × D × H (cm)	Kg	FX30SAL2060P	100 × 100 × 5	3.8
Code	W × D × H (cm)	Kg					
FX30SAL2060P	100 × 100 × 5	3.8					
	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAL2090P</td><td>50 × 50 × 5</td><td>2.5</td></tr></table> ST 29 cm flat - 2 way 90° corner horizontal	Code	W × D × H (cm)	Kg	FX30SAL2090P	50 × 50 × 5	2.5
Code	W × D × H (cm)	Kg					
FX30SAL2090P	50 × 50 × 5	2.5					
	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX25SAL2120P</td><td>50 × 50 × 5</td><td>2.6</td></tr></table> ST 29 cm flat - 2 way 120° corner horizontal	Code	W × D × H (cm)	Kg	FX25SAL2120P	50 × 50 × 5	2.6
Code	W × D × H (cm)	Kg					
FX25SAL2120P	50 × 50 × 5	2.6					
	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX25SAL2135P</td><td>50 × 50 × 5</td><td>2.7</td></tr></table> ST 29 cm flat - 2 way 135° corner horizontal	Code	W × D × H (cm)	Kg	FX25SAL2135P	50 × 50 × 5	2.7
Code	W × D × H (cm)	Kg					
FX25SAL2135P	50 × 50 × 5	2.7					
	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAT3NP</td><td>50 × 50 × 5</td><td>2.9</td></tr></table> ST 29 cm flat - 3 way tee horizontal	Code	W × D × H (cm)	Kg	FX30SAT3NP	50 × 50 × 5	2.9
Code	W × D × H (cm)	Kg					
FX30SAT3NP	50 × 50 × 5	2.9					
	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAX4NP</td><td>50 × 50 × 5</td><td>3.4</td></tr></table> ST 29 cm flat - 4 way cross horizontal	Code	W × D × H (cm)	Kg	FX30SAX4NP	50 × 50 × 5	3.4
Code	W × D × H (cm)	Kg					
FX30SAX4NP	50 × 50 × 5	3.4					
	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAL3RP</td><td>50 × 50 × 50</td><td>3.8</td></tr></table> ST 29 cm flat - 3 way corner right vertical	Code	W × D × H (cm)	Kg	FX30SAL3RP	50 × 50 × 50	3.8
Code	W × D × H (cm)	Kg					
FX30SAL3RP	50 × 50 × 50	3.8					
	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAL3LP</td><td>50 × 50 × 50</td><td>3.8</td></tr></table> ST 29 cm flat - 3 way corner right horizontal	Code	W × D × H (cm)	Kg	FX30SAL3LP	50 × 50 × 50	3.8
Code	W × D × H (cm)	Kg					
FX30SAL3LP	50 × 50 × 50	3.8					

																											
<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAL2060V</td><td>50 × 50 × 29</td><td>3.0</td></tr></table>	Code	W × D × H (cm)	Kg	FX30SAL2060V	50 × 50 × 29	3.0	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX25SAL2090V</td><td>50 × 50 × 29</td><td>2.8</td></tr></table>	Code	W × D × H (cm)	Kg	FX25SAL2090V	50 × 50 × 29	2.8	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAL2120V</td><td>50 × 50 × 29</td><td>2.9</td></tr></table>	Code	W × D × H (cm)	Kg	FX30SAL2120V	50 × 50 × 29	2.9	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAL2135V</td><td>50 × 50 × 29</td><td>2.9</td></tr></table>	Code	W × D × H (cm)	Kg	FX30SAL2135V	50 × 50 × 29	2.9
Code	W × D × H (cm)	Kg																									
FX30SAL2060V	50 × 50 × 29	3.0																									
Code	W × D × H (cm)	Kg																									
FX25SAL2090V	50 × 50 × 29	2.8																									
Code	W × D × H (cm)	Kg																									
FX30SAL2120V	50 × 50 × 29	2.9																									
Code	W × D × H (cm)	Kg																									
FX30SAL2135V	50 × 50 × 29	2.9																									
ST 29 cm flat - 2 way 60° corner vertical	ST 29 cm flat - 2 way 90° corner vertical	ST 29 cm flat - 2 way 120° corner vertical	ST 29 cm flat - 2 way 135° corner vertical																								

																											
<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAL3LV</td><td>50 × 50 × 50</td><td>3.8</td></tr></table>	Code	W × D × H (cm)	Kg	FX30SAL3LV	50 × 50 × 50	3.8	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAL3RV</td><td>50 × 50 × 50</td><td>3.8</td></tr></table>	Code	W × D × H (cm)	Kg	FX30SAL3RV	50 × 50 × 50	3.8	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAT3NV</td><td>50 × 50 × 29</td><td>4.2</td></tr></table>	Code	W × D × H (cm)	Kg	FX30SAT3NV	50 × 50 × 29	4.2	<table><tr><th>Code</th><th>W × D × H (cm)</th><th>Kg</th></tr><tr><td>FX30SAT4NV</td><td>50 × 50 × 50</td><td>4.2</td></tr></table>	Code	W × D × H (cm)	Kg	FX30SAT4NV	50 × 50 × 50	4.2
Code	W × D × H (cm)	Kg																									
FX30SAL3LV	50 × 50 × 50	3.8																									
Code	W × D × H (cm)	Kg																									
FX30SAL3RV	50 × 50 × 50	3.8																									
Code	W × D × H (cm)	Kg																									
FX30SAT3NV	50 × 50 × 29	4.2																									
Code	W × D × H (cm)	Kg																									
FX30SAT4NV	50 × 50 × 50	4.2																									
ST 29 cm flat - 3 way tee horizontal	ST 29 cm flat - 3 way tee vertical	ST 29 cm flat - 4 way tee vertical	ST 29 cm flat - 4 way cross vertical																								



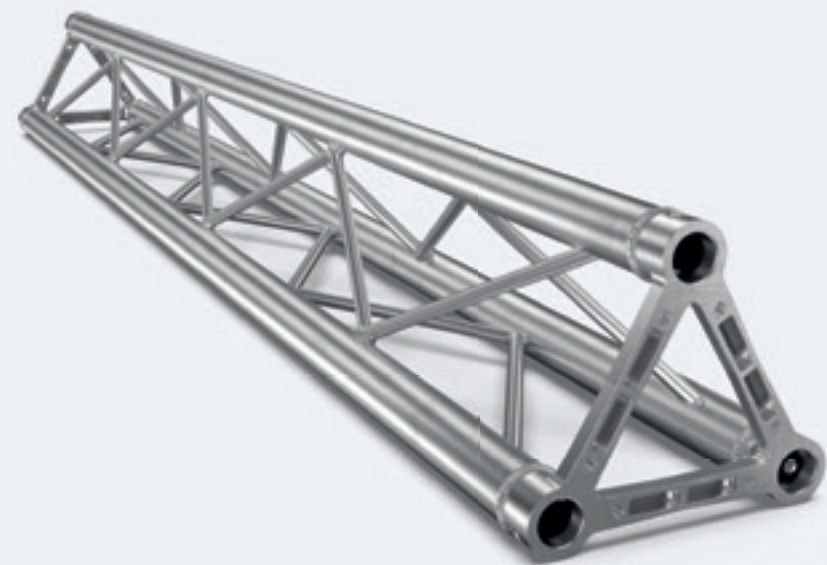
Code	W × D × H (cm)	Kg
FX30SAT4NP	50 × 50 × 29	3.0

ST 29 cm flat - 4 way cross horizontal



Code	W × D × H (cm)	Kg
FX30SAX4NV	50 × 50 × 29	3.9

ST 29 cm flat - 4 way cross vertical



Triangular section aluminium truss with 25 cm sides

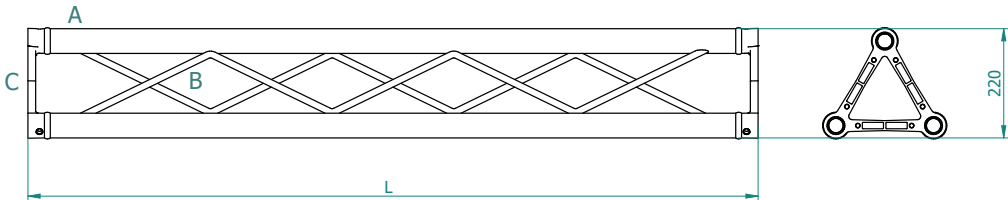
This is the triangular version of the lightest professional truss, yet it still provides a reasonable loading capacity and span.

The slim diagonals are made from a single bent profile, reducing the visual impact of the structure, making it ideal for applications that require a low-profile appearance.

Main tubes: Ø50.8 × 1.6 mm aluminium
Diagonals: Ø14 × 1.5 mm aluminium

LINEAR ELEMENTS					
Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
TX25SA012M5	25 × 22.5 × 12.5	1.3	TX25SA200	25 × 22.5 × 200	5.8
TX25SA025	25 × 22.5 × 25	1.6	TX25SA250	25 × 22.5 × 250	7.0
TX25SA050	25 × 22.5 × 50	2.2	TX25SA300	25 × 22.5 × 300	8.1
TX25SA100	25 × 22.5 × 100	3.6	TX25SA350	25 × 22.5 × 350	9.5
TX25SA150	25 × 22.5 × 150	4.8	TX25SA400	25 × 22.5 × 400	10.6

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 50.8 × 1.6 mm EN AW – 6060 T6	Extruded tube Ø 14 × 1.5 mm EN AW – 6060 T6	Aluminium casting plate EN AC – 42200 KT6	QXFC: quick-fit kit QXSM8: 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	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	350	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	
	Point load	Full load	mm	Point load	mm
[m]	[kg/m]	[kg]	mm	[kg]	mm
1	433	217	0	217	0
2	214	214	1	214	2
3	142	212	2	204	6
4	105	210	6	156	11
5	83	208	12	125	18
6	65	195	19	103	26

Axial load table

span	Axial load	
	Point load	Full load
[m]	[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 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 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



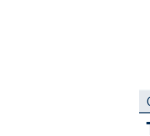
KSP
Steel Pin, set of 10



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



QXSM8
Bolt connection set (for 25 series only)

Complements

A range of complementary elements is available as standard to help you interface your TX25SA in the best possible way.



FP25
FX25/TX25/QX25 universal floor plate



FP25M
FX25/TX25/QX25 universal floor plate (large 50x50 cm)



C025
Bar hook for 25 cm truss



C025WB
25 cm wall bracket W/half couplers

Corners

A wide range of corner elements is available for the TX25SA 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
TX25SAL2045	100 × 100 × 22.5	6.8
ST 25 cm triangular - 2 way 45° corner		



Code	W × D × H (cm)	Kg
TX25SAL2060	100 × 100 × 22.5	7.2
ST 25 cm triangular - 2 way 60° corner horizontal		



Code	W × D × H (cm)	Kg
TX25SAL2090	50 × 50 × 22.5	4.3
ST 25 cm triangular - 2 way 90° corner		



Code	W × D × H (cm)	Kg
TX25SAL2090E	50 × 50 × 25	3.0
ST 25 cm triangular - 2 way 90° corner ext. vertex		



Code	W × D × H (cm)	Kg
TX252090I	50 × 50 × 25	2.9
ST 25 cm triangular - 2 way 90° corner int. vertex		



Code	W × D × H (cm)	Kg
TX25SAL2120	50 × 50 × 22.5	3.0
ST 25 cm triangular - 2 way 120° corner		



Code	W × D × H (cm)	Kg
TX25SAL2135	50 × 50 × 22.5	3.1
ST 25 cm triangular - 2 way 135° corner		



Code	W × D × H (cm)	Kg
TX25SAL3L	50 × 50 × 50	3.8
ST 25 cm triangular - 3 way corner		



Code	W × D × H (cm)	Kg
TX25SAL3R	50 × 50 × 50	4.2
ST 25 cm triangular - 3 way corner		



Code	W × D × H (cm)	Kg
TX25SAL3LU	50 × 50 × 50	4.1
ST 25 cm triangular - 3 way corner		



Code	W × D × H (cm)	Kg
TX25SAL3RU	50 × 50 × 50	4.2
ST 25 cm triangular - 3 way corner		



Code	W × D × H (cm)	Kg
TX25SAT3	50 × 50 × 22.5	4.2
ST 25 cm triangular - 3 way tee horizontal		



Code	W × D × H (cm)	Kg
TX25SAT3F	50 × 50 × 25	3.6
ST 25 cm triangular - 3 way 90° tee		



Code	W × D × H (cm)	Kg
TX25SAT3FU	50 × 50 × 25	3.5
ST 25 cm triangular - 3 way 90° tee		



Code	W × D × H (cm)	Kg
TX25SAT4	50 × 50 × 50	4.8
ST 25 cm triangular - 2 way 90° tee		



Code	W × D × H (cm)	Kg
TX25SAT4LU	50 × 50 × 50	4.9
ST 25 cm triangular - 4 way 90° tee		



Code	W × D × H (cm)	Kg
TX25SAT4RU	50 × 50 × 50	4.9
ST 25 cm triangular - 4 way tee horizontal		



Code	W × D × H (cm)	Kg
TX25SAX4	50 × 50 × 22.5	4.0
ST 25 cm triangular - 4 way cross		

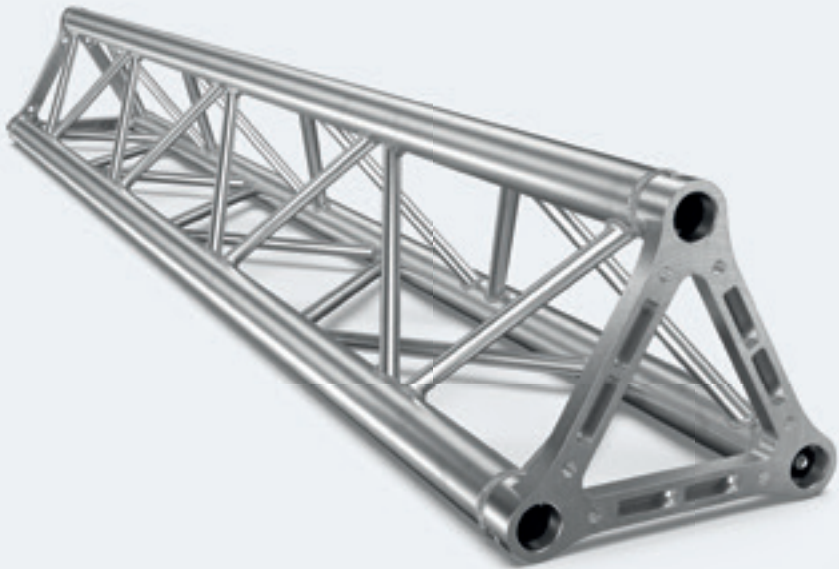


Code	W × D × H (cm)	Kg
TX25SAX5	50 × 50 × 50	6.1
ST 25 cm triangular - 5 way cross		



Code	W × D × H (cm)	Kg
TX25SAX6	50 × 50 × 50	6.1
ST 25 cm triangular - 6 way cross		

The use of a triangular truss within a composite structure depends on the position of the triangle's apex. Multiple corner combinations are possible, and custom solutions not shown in this page can be provided on request.



Triangular section aluminium truss with 29 cm sides

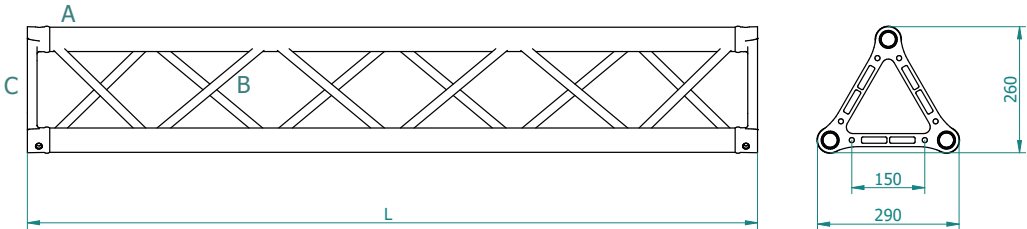
This is the triangular version of the lightest professional truss, yet it still provides a reasonable loading capacity and span.

The slim diagonals are made from a single bent profile, reducing the visual impact of the structure, making it ideal for applications that require a low-profile appearance.

Main tubes: Ø50 × 2 mm aluminium
Diagonals: Ø18 × 2 mm aluminium

LINEAR ELEMENTS				
Code	W × H × D (cm)	kg	Code	W × H × D (cm) kg
TX30SA010M5	29 × 26 × 10.5	2.3	TX30SA200	29 × 26 × 200 9.0
TX30SA021	29 × 26 × 21	2.6	TX30SA250	29 × 26 × 250 10.7
TX30SA025	29 × 26 × 25	2.7	TX30SA300	29 × 26 × 300 12.5
TX30SA050	29 × 26 × 50	3.7	TX30SA350	29 × 26 × 350 14.2
TX30SA100	29 × 26 × 100	5.4	TX30SA400	29 × 26 × 400 16.0
TX30SA150	29 × 26 × 150	7.2		

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 50 × 2 mm EN AW – 6082 T6	Extruded tube Ø 18 × 2 mm EN AW – 6082 T6	Aluminium casting plate EN AC – 42200 KT6	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	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	
	Point load	Full load	mm	Point load	mm
[m]	[kg/m]	[kg]	mm	[kg]	mm
1	727	727	1	420	2
2	207	414	7	214	9
3	92	275	15	139	21
4	50	200	28	101	37
5	30	152	44	77	57
6	20	119	64	60	81

Axial load table

span	Point load	Full load
	[kg]	[kg]
[m]	[kg]	[kg]
1.0	6391	5841
2.0	6078	3920
3.0	5527	2299
4.0	4754	1429
6.0	3146	
9.0	1688	

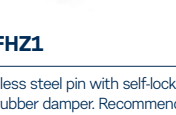
Load table has been prepared in accordance with EN 1999-1-1. When calculating the allowable loads it is assumed that the load is suspended from the bottom chord and the truss is supported from the top chord at each end.

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 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	KCP	KSP	K370	KSFH
Aluminium spigot, set of 10	R-spring, set of 100	Steel Pin, set of 10	Half truss spigot + 1 steel pin + 1 R-spring (not for Dado)	Threaded pin, set of 12
				
				KSFHZ1
				Stainless steel pin with self-locking nut and rubber damper. Recommended for permanent installations. Set of 12.
				
KCFS	QXFC	QXSM10		
Kit for vert. connection incl. bolts, spigots and accessories	Quick connection set	Bolt connection set for 30 – 40 series		

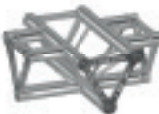
Complements

A range of complementary elements is available as standard to help you interface your TX30SA in the best possible way.

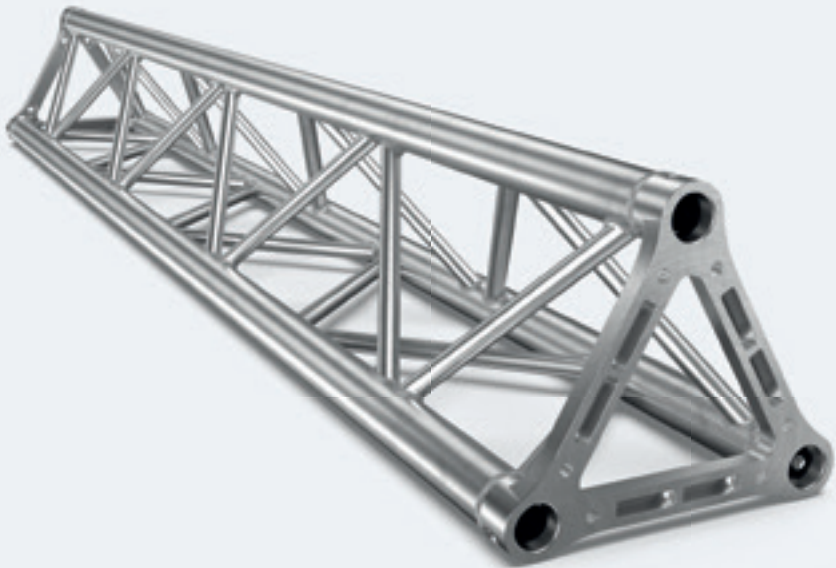
			
FP30	FP30M	QU3040H050	C030
FX30/TX30/QX30/TH30/QH30 universal floor plate	FX30/TX30/QX30/TH30/QH30 universal floor plate (large 50x50 cm)	30-40 Special Truss L=050 with hoist support	Bar Hook for 30 series
			
C030WB	C029-40	CBT3040	
29 cm wall bracket W/half couplers	Ceiling support for 30-40 cm series	Bar hook for 29 cm truss	

Corners

A wide range of corner elements is available for the TX30SA System. Standard corners come in various opening angles. Here we present the most commonly used angles. Other solutions are available on request.

			
TX30SAL2060	TX30SAL2090	TX30SAL2090E	TX30SAL2090I
ST 29 cm triangular - 2 way 60° corner	ST 29 cm triangular - 2 way 90° corner	ST 29 cm triangular - 2 way 90° corner (ext.)	ST 29 cm triangular - 2 way 90° corner (int.)
			
TX30SAL2135E	TX30SAL3R	TX30SAL3L	TX30SAL3LU
ST 29 cm triangular - 2 way 135° corner ext. vertex	ST 29 cm triangular - 3 way corner right	ST 29 cm triangular - 3 way corner left	ST 29 cm triangular - 3 way corner left up
			
TX30SAL3RU	TX30SAT3	TX30SAT3F	TX30SAT4
ST 29 cm triangular - 3 way corner right up	ST 29 cm triangular - 3 way tee	ST 29 cm triangular - 3 way tee F	ST 29 cm triangular - 4 way corner
			
TX30SAX4	TX30SAX5	TX30SAX6	TU30BHH
ST 29 cm triangular - 4 way corner	ST 29 cm triangular - 5 way corner	ST 29 cm triangular - 6 way cross	Truss hinge 29 cm triangular truss

The use of a triangular truss within a composite structure depends on the position of the triangle's apex. Multiple corner combinations are possible, and custom solutions not shown in this page can be provided on request.



Triangular truss with 29 cm sides – Heavy-Duty Line

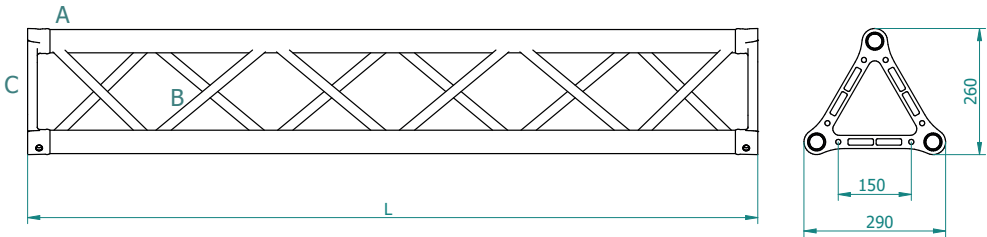
The “H” series trusses are engineered to deliver enhanced performance compared to the corresponding “X” series models.

Featuring an anti-torsion design and thicker main tubes, this truss has a higher overall weight, but also significantly improved load capacity and span performance

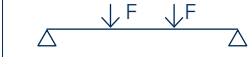
Main tubes: Ø48 × 3 mm aluminium
Diagonals: Ø20 × 2 mm aluminium

LINEAR ELEMENTS					
Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
TH30SA010M5	29 × 26 × 10.5	2.3	TH30SA200	29 × 26 × 200	11.1
TH30SA021	29 × 26 × 21	2.6	TH30SA250	29 × 26 × 250	13.3
TH30SA025	29 × 26 × 25	3.0	TH30SA300	29 × 26 × 300	15.6
TH30SA050	29 × 26 × 50	4.2	TH30SA350	29 × 26 × 350	17.9
TH30SA100	29 × 26 × 100	6.5	TH30SA400	29 × 26 × 400	20.1
TH30SA150	29 × 26 × 150	8.8			

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 KT6	QXFC: quick-fit kit QXSM10: bolt connection kit



Load table / Spigot connection

Unif. distributed load	Centre point load	Third point load	Quarter point load	Fifth point load
				

span	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 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 **TH30SA**



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



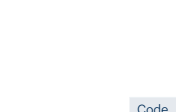
KSP
Steel Pin, set of 10



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 for Q Series



QXSM10
Bolt connection set for 30 – 40 series

Complements

A range of complementary elements is available as standard to help you interface your TX30SA in the best possible way.



FP30
FX30/TX30/QX30/TH30/QH30 universal floor plate



FP30M
FX30/TX30/QX30/TH30/QH30 universal floor plate (large 50x50 cm)



QU3040H050
29-40 Special Truss L=050 with hoist support



C030
Bar Hook for 29 cm truss



C030WB
29 cm wall bracket W/half couplers



C029-40
Ceiling support for 29-30 cm truss



CBT3040
2 points Bridle Hook for 29-40 cm truss

Corners

END PLATED TRUSS **TH30SA**

The TH30SA line includes only the two most basic corners as standard. However, additional corners - similar to those in the TX30SA series or with different angles - can be made on request.



Code	W × D × H (cm)	Kg
TH30SAL2090	50 × 50 × 26	5.4
ST 29 cm triangular - 2 way 90° corner		



Code	W × D × H (cm)	Kg
TH30SAT3	50 × 50 × 26	6.4
ST 29 cm triangular - 3 way tee		

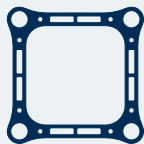


Code	W × D × H (cm)	Kg
TU30BHH	100 × 37 × 32	16.8
Truss hinge 29 cm triangular truss		

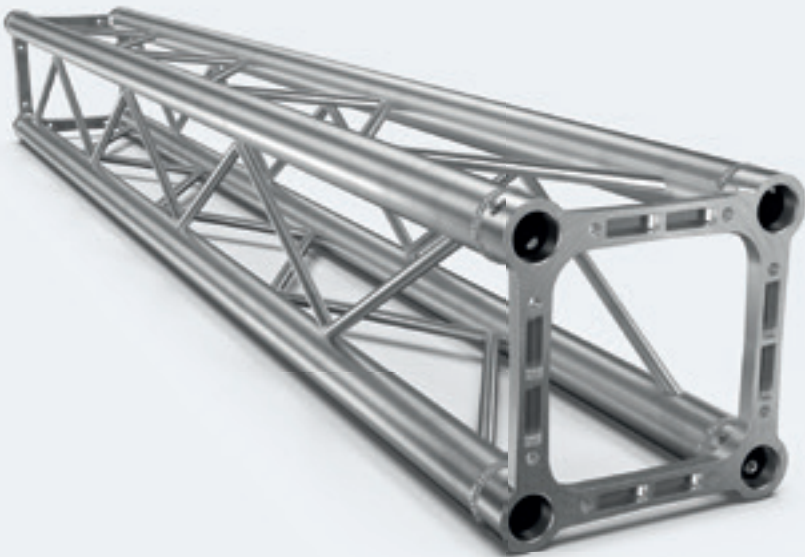
The use of a triangular truss within a composite structure depends on the position of the triangle apex. Multiple corner combinations are possible, and custom solutions not shown in this page can be provided on request.



END PLATED TRUSS
QX25SA



Anti-torsion



Square truss with 25 cm sides

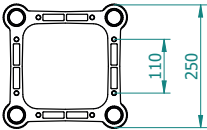
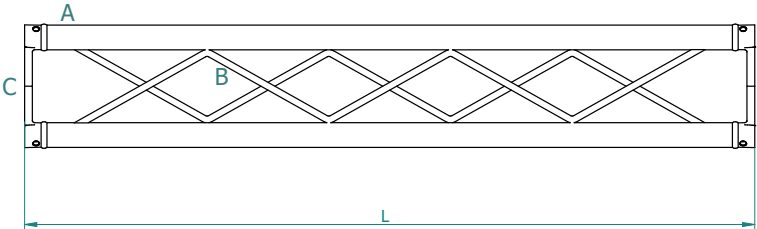
This is the square version of the lightest professional truss, yet it still provides a reasonable loading capacity and span. It is ideal for exhibition setups, banner supports, and scenic structures.

The slim diagonals are made from a single bent profile, reducing the visual impact of the structure, making it ideal for applications that require a low-profile appearance.

Main tubes: Ø50.8 × 1.6 mm aluminium
Diagonals: Ø14 × 1.5 mm aluminium

LINEAR ELEMENTS				
Code	W × H × D (cm)	kg	Code	W × H × D (cm)kg
QX25SA012M5	25 × 25 × 12.5	2.5	QX25SA200	25 × 25 × 2008.4
QX25SA025	25 × 25 × 25	2.8	QX25SA250	25 × 25 × 25010.0
QX25SA050	25 × 25 × 50	3.5	QX25SA300	25 × 25 × 30011.6
QX25SA100	25 × 25 × 100	5.2	QX25SA350	25 × 25 × 35013.3
QX25SA150	25 × 25 × 150	6.8	QX25SA400	25 × 25 × 40014.9

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 50.8 × 1.6 mm EN AW - 6082 T6	Extruded tube Ø 14 × 1.5 mm EN AW – 6082 T6	Aluminium casting plate EN AC – 42200 T6	QXFC: quick-fit kit QXSM8: 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	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	
	Point load	Full load	mm	Point load	mm
[m]	[kg/m]	[kg]	mm	[kg]	mm
0.5	501	251	0	251	0
1	248	248	0	248	1
1.5	164	246	1	246	4
2	122	244	3	244	9
2.5	97	242	7	242	18
3	80	239	12	231	29

Axial load table

span	Point load	Full load
[m]	[kg/m]	[kg]
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 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 **QX25SA**

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	KCP	KSP	K370	KSFH	KSFHZ1
Aluminium spigot, set of 10	R-spring, set of 100	Steel Pin, set of 10	Half truss spigot + 1 steel pin + 1 R-spring (not for Dado)	Threaded pin, set of 12	Stainless steel pin with self-locking nut and rubber damper. Recommended for permanent installations. Set of 12.
					
KCFS	QXFC	QXSM8	QXCFC	QUKFC	
Kit for vert. connection incl. bolts, spigots and accessories	Quick connection set	Bolt connection set (for 25 series only)	4 special steel half spigots with screws for Light Duty Dado	4 special steel half spigots with screws for Heavy Duty Dado	

Complements

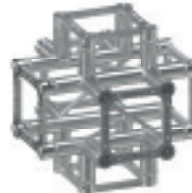
A range of complementary elements is available as standard to help you interface your QX25SA in the best possible way.

			
FP25	FP25M	C025	C025WB
FX25/TX25/QX25 universal floor plate	FX25/TX25/QX25 universal floor plate (large 50x50 cm)	Bar hook for 25 cm series	25 cm wall bracket W/half coupler
			
QX25SAACL	QX25SAACS	TZ30C01	
ST 25 cm square clamp module long	ST 25 cm square clamp module short	Assembly universal tool for half-spigot for Dado 25&29 cm.	

Corners

END PLATED TRUSS **QX25SA**

A wide range or corner elements is available for the QX25SA System. Standard corners come in various opening angles. Here we present the most commonly used angles. Other solutions are available on request.

			
QX25SAL2090	QX25SAL2135	QX25SAL3	QX25SAT3
ST 25 cm square - 2 way 90° corner	ST 25 cm square - 2 way 135° corner	ST 25 cm square - 3 way corner	ST 25 cm square - 3 way tee
			
QX25SAT4	QX25SAX4	QX25SAX5	QX25SAX6
ST 25 cm square - 4 way tee	ST 25 cm square - 4 way cross	ST 25 cm square - 5 way cross	ST 25 cm square - 6 way cross

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. Each version includes **Light-Duty** models with die-cast nodes, as well as **Heavy-Duty** models featuring CNC-machined solid aluminium nodes.

Light-Duty Dado			Heavy-Duty Dado		
					
FX25C4	QX25C8	FU25K4	QU25K8		
The 6-way box corner (4 nodules) is the Dado version designed to connect QX25 series trusses with intersections in up to 4 directions of flat 25 truss. Light-Duty version.	The Dado 6-way box corner (8 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX25 series. Light-Duty version.	The Dado 6-way box corner (6 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX25 series. Heavy-Duty version with welded diagonal.	The Dado 6-way box corner (8 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX25 series. Heavy-Duty version with welded diagonals.		



Compact bases

End Plated Truss **QX25SA**



END PLATED TRUSS
QX25SA

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



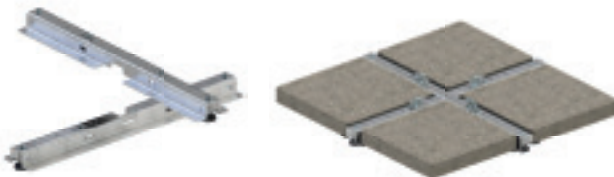
- Lightweight, compact solution for indoor use.
- Compatible with all standard **25/30 square trusses**

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.



Square truss with 29 cm sides

By far the most widely used truss in the LITEC range, thanks to its anti-torsion design and ideal balance of weight, size and load capacity. A true all-rounder, ready for thousand different applications.

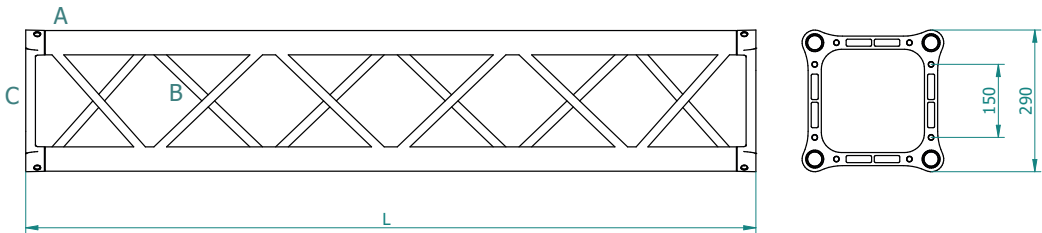
It also serves as the main structural component for:

- Towerlift 3
- Flyintower 6-300
- Flyintower 7.5-500
- Unitower system

Main tubes: Ø50 × 2 mm aluminium
Diagonals: Ø18 × 2 mm aluminium

LINEAR ELEMENTS				
Code	W × H × D (cm)	kg	Code	W × H × D (cm) kg
QU30ADPO10M5	29 × 29 × 10.5	2.9	QX30SA150	29 × 29 × 150 9.5
QU30ADPO19M5	29 × 29 × 19.5	3.6	QX30SA200	29 × 29 × 200 11.8
QU30ADPO21	29 × 29 × 21	3.4	QX30SA250	29 × 29 × 250 14.1
QX30SA025	29 × 29 × 25	3.6	QX30SA300	29 × 29 × 300 16.5
QX30SA029	29 × 29 × 29	3.8	QX30SA350	29 × 40 × 350 18.8
QX30SA050	29 × 40 × 50	4.8	QX30SA400	29 × 40 × 400 21.2
QX30SA100	29 × 40 × 100	7.1		

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 50 x 2 mm EN AW - 6082 T6	Extruded tube Ø 18 x 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	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	
	Point load	Full load	Central deflection	Point load	Central deflection
[m]	[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	Unif. distributed load
[m]	[kg/m]
3	6327
6	3215
9	1502
12	862

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

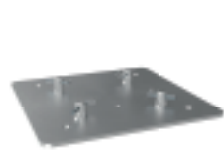
End Plated Truss QX30SA

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	KCP	KSP	K370	KSFH
Aluminium spigot, set of 10	R-spring, set of 100	Steel Pin, set of 10	Half truss spigot + 1 steel pin + 1 R-spring (not for Dado)	Threaded pin, set of 12
				
KCFs	QXFC	QXSM10	QXCFC	QUKFC
Kit for vert. connection incl. bolts, spigots and accessories	Quick connection set	Bolt connection set for 30 – 40 series	4 special steel half spigots with screws for Light Duty Dado	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 QX30SA in the best possible way.

			
FP30	FP30M	QU30TR	Q30SL2ADJ
FX30/TX30/QX30/TH30/QH30 universal floor plate	FX30/TX30/QX30/TH30/QH30 universal floor plate (large 50x50 cm)	Lighting support	Adjustable angle 0-180°
			
C030	C030WB	SASSL-B815	SASSL-C225
Bar hook for 29 cm. truss	29 cm wall bracket w/ half couplers	Support for transport & stacking of 2 x series 30 trusses	Support for transport & stacking of 4 x series 30 trusses
			
C029-40	CBT3040	CBQ3040	TZ30C01 / TZ30K01
Ceiling support for 30-40 truss series	2 points Bridle Hook for 29 / 40 cm truss	4 points Bridle Hook for 29/40 cm. truss	Assembly tool for half-spigot for Dado 25&29 cm. (C01 for Light-Duty, K01 for Heavy-Duty)

END PLATED TRUSS

QX30SA

		
SASSL-C409	QU30TRC	QX30K8A021
Universal trolley for transport of series 30 & 40 trusses	Lighting support - Diameter 100 cm	Adapter for Dado QU30K8

Bumper & Truss ballast

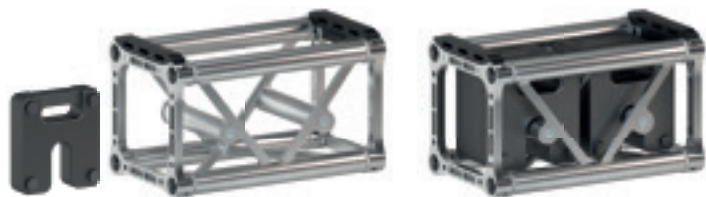
Truss Bumper – Integrated Truss Spacer

- Rubber spacer for truss storage and abrasion protection during transport
- Compatible with all LITEC Q30 series
- Integrated into the truss eliminating the risk of loss
- Slot for ratchet belt
- Provision for RFID insertion
- Allows the truss to slide even with pins inserted
- Protects the finish during transportation



Truss Ballast - Compact Integrated Solution

- Truss module with compact ballast combination, accomodating up to six 14 kg ballast units
- Compatible with all LITEC Q30 series
- Smart solution for ballast handling and transportation
- Stackable and compact design
- Modular system



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. Each version includes **Light-Duty** models with die-cast nodes, as well as **Heavy-Duty** models featuring CNC-machined solid aluminium nodes.

Light-Duty Dado				Heavy-Duty Dado			
							
Code	W × D × H (cm)	Kg		Code	W × D × H (cm)	Kg	
FX30C4	29 × 29 × 5	4.2		QX30C8	29 × 29 × 29	12.3	
The Dado 6-way box corner (4 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. Light-Duty version with welded diagonal.				The Dado 6-way box corner (8 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX30SA series. Light-Duty version with welded diagonals.			
Code	W × D × H (cm)	Kg		Code	W × D × H (cm)	Kg	
FU30K4	29 × 29 × 5	4.7		QU30K8	29 × 29 × 29	12.8	
The Dado 6-way box corner (6 nodules) is the simplest and most scalable solution to connect QX30SA. Heavy-Duty version with welded diagonal.				The Dado 6-way box corner (8 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX30SA series. Heavy-duty version with welded diagonals.			



Corners

End Plated Truss **QX30SA**



A wide range or corner elements is available for the QX30SA System. Standard corners come in various opening angles. Here we present the most commonly used angles. Other solutions are available on request.



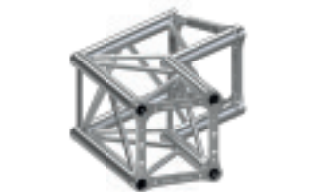
Code	W × D × H (cm)	Kg
QX30SAL2045	100 × 100 × 29	8.5
ST 29 cm square 2 ways 45° corner		



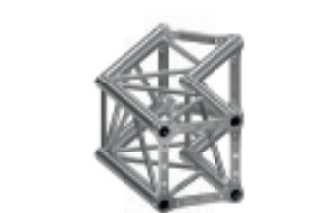
Code	W × D × H (cm)	Kg
QX30SAL2060	100 × 100 × 29	9.2
ST 29 cm square 2 ways 60° corner		



Code	W × D × H (cm)	Kg
QX30SAL2090	50 × 50 × 29	5.9
ST 29 cm square 2 ways 90° corner		



Code	W × D × H (cm)	Kg
QX30SAL2120	50 × 50 × 29	6.9
ST 29 cm square 2 ways 120° ext. vertex		



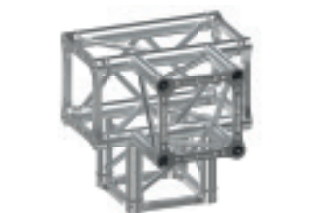
Code	W × D × H (cm)	Kg
QX30SAL2135	50 × 50 × 29	6.3
ST 29 cm square 2 ways 135° corner, int. vertex		



Code	W × D × H (cm)	Kg
QX30SAL3	50 × 50 × 50	8.2
ST 29 cm square 3 way corner		



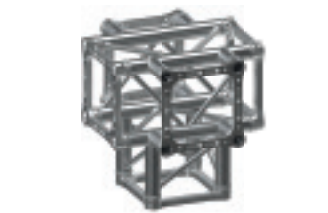
Code	W × D × H (cm)	Kg
QX30SAT3	50 × 50 × 29	7.3
ST 29 cm square 3 way tee		



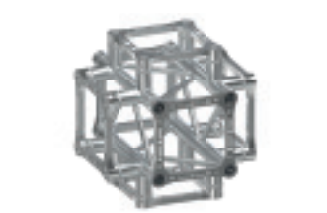
Code	W × D × H (cm)	Kg
QX30SAT4	50 × 50 × 50	9.7
ST 29 cm square 4 way tee		



Code	W × D × H (cm)	Kg
QX30SAX4	50 × 50 × 29	8.2
ST 29 cm square 4 way cross		



Code	W × D × H (cm)	Kg
QX30SAX5	50 × 50 × 50	9.9
ST 29 cm square 5 way cross		



Code	W × D × H (cm)	Kg
QX30SAX6	50 × 50 × 50	11.2
ST 29 cm square 6 way cross		



Code	W × D × H (cm)	Kg
QX30SAX8	100 × 100 × 29	11.2
ST 29 cm square 8 way cross		



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



Code
QU30ADP-001
7° angled spacer for series 30 square trusses.



Code
QU30ADP-052
5° angled spacer for series 30 square trusses



Code
QX30SAACS
ST 29 cm. square - Clamp module short



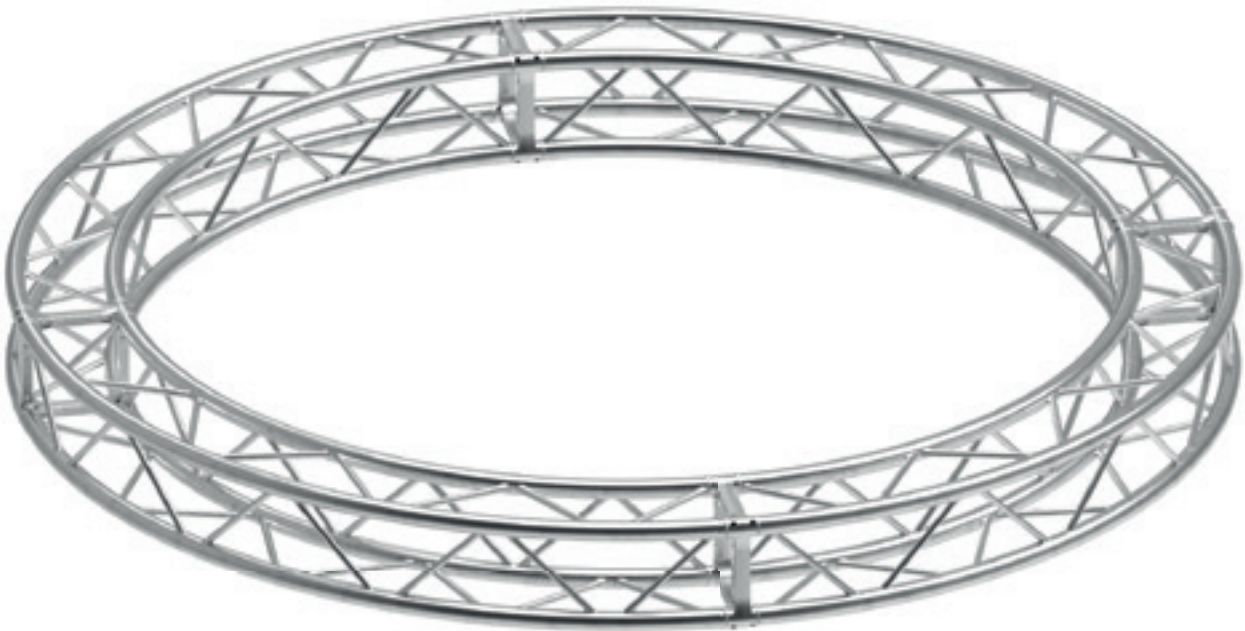
Code
QX30SAACL
ST 29 cm. square - Clamp module long



Curves, Circles & Ellipses

END PLATED TRUSS
QX30SA

The QX30SA truss can be supplied with curved elements to form **circular arcs, complete circles, or ellipses**.



These elements are typically custom-made, and when creating an arc, the following design limits apply:

- Minimum radius:** 1 m (no limit on maximum radius)
- Arc Length:** not exceeding 4 m

Within these parameters, virtually any variation can be produced to bring your vision to life.

For circles of all models in the End Plated Truss series, refer to pages 68 and 69.



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



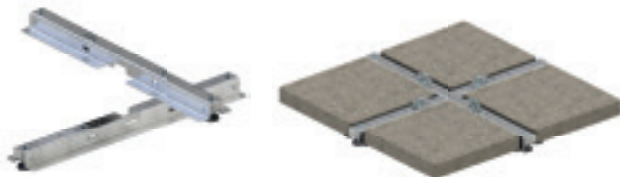
- Lightweight, compact solution for indoor use.
- Compatible with all standard **25/30 square trusses**

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

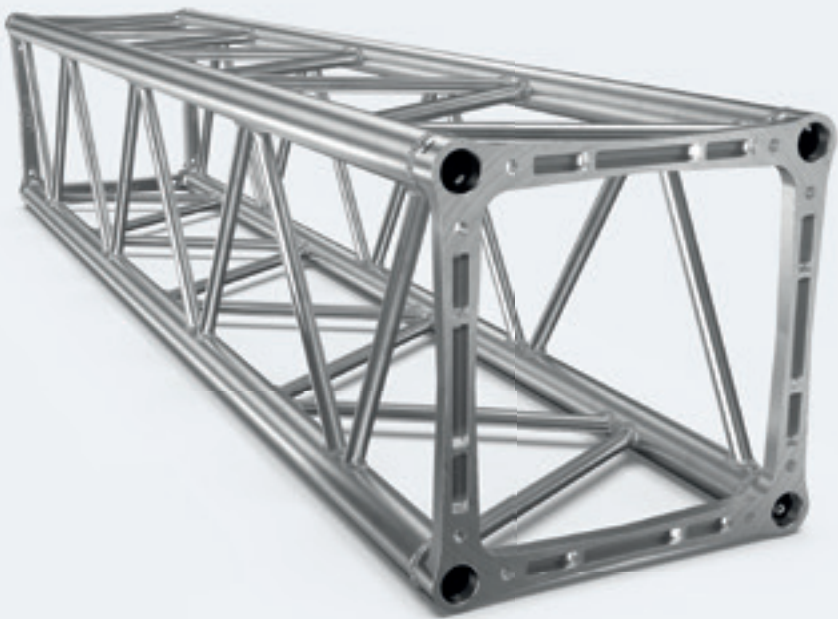
Tool-less Base LT QU2552BFB



- 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.



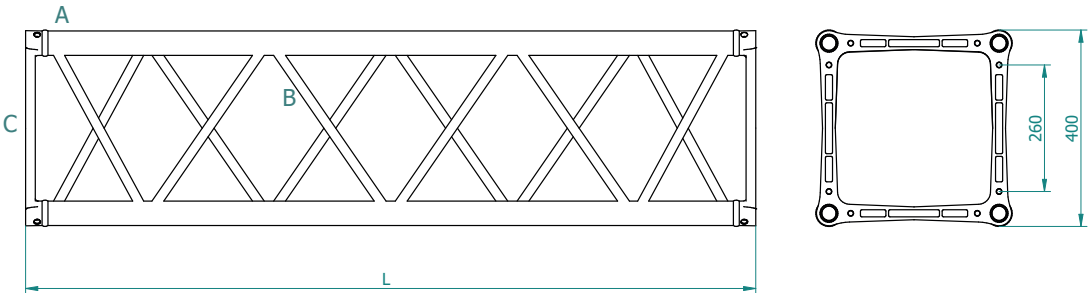
Square truss with 40 cm sides

Thanks to its larger size and anti-torsion design, this truss offers increased load capacity and longer spans compared to all smaller models in the range. Commonly used for exhibition areas and in all applications where higher performance and solid load-bearing capabilities are required. Its robust anti-torsion design also makes it an excellent choice for use as a tower truss.

Main tubes: Ø50 × 2 mm aluminium
Diagonals: Ø18 × 2 mm aluminium

LINEAR ELEMENTS				
Code	W × H × D (cm)	kg	Code	W × H × D (cm)
QU40ADP010	40 × 40 × 10	4.4	QX40SA200	40 × 40 × 200
QX40SA025	40 × 40 × 25	5.0	QX40SA250	40 × 40 × 250
QX40SA050	40 × 40 × 50	6.7	QX40SA300	40 × 40 × 300
QX40SA100	40 × 40 × 100	10.0	QX40SA350	40 × 40 × 350
QX40SA150	40 × 40 × 150	13.2	QX40SA400	40 × 40 × 400

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 50 × 2 mm EN AW - 6082 T6	Extruded tube Ø 18 × 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	3065	3065	0	2865	2865	0	1532	3065	0	1022	3065	0	766	3065	0
2	1529	3058	1	2054	2054	1	1268	2537	1	953	2859	1	765	3058	1
3	1017	3052	4	1578	1578	3	1024	2047	4	797	2392	4	663	2651	4
4	761	3043	10	1273	1273	7	852	1703	8	680	2041	8	551	2205	9
5	494	2472	16	1063	1063	11	726	1452	13	584	1753	14	457	1827	14
6	346	2076	23	909	909	16	630	1260	19	492	1476	21	389	1554	21
7	255	1784	31	792	792	23	555	1110	27	424	1271	28	337	1349	2
8	195	1560	41	699	699	30	495	989	36	371	1113	37	297	1188	38
9	154	1383	53	624	624	39	445	890	46	329	987	48	265	1059	49
10	123	1235	65	562	562	48	403	806	58	295	884	59	238	952	61
11	101	1110	79	510	510	59	368	735	71	266	798	72	216	862	74
12	84	1005	94	465	465	71	337	674	86	242	726	86	196	786	89
13	70	916	110	426	426	84	310	620	102	221	663	101	180	720	105
14	60	838	127	392	392	98	286	572	119	203	608	118	165	662	122
15	51	770	146	362	362	114	265	530	138	187	560	136	153	610	14
16	44	709	166	335	335	131	246	492	159	172	517	155	141	564	161
17	39	655	188	310	310	149	229	458	180	159	478	176	131	523	182
18	34	606	211	288	288	168	213	427	203	148	443	197	121	486	205

Cantilever load table / Spigot connection

span	Unif. distributed load			Centre point load	
	Point load	Full load	mm	Point load	mm
[m]	[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	Unif. distributed load
	Point load
[m]	[kg/m]
3	6949
6	5330
9	3069
12	1791

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 **QX40SA**

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	KCP	KSP	K370	KSFH
Aluminium spigot, set of 10	R-spring, set of 100	Steel Pin, set of 10	Half truss spigot + 1 steel pin + 1 R-spring (not for Dado)	Threaded pin, set of 12
				
KSFHZ1	KCFs	QXFC	QXSM10	QUKFC
Stainless steel pin with self-locking nut and rubber damper. Recommended for permanent installations. Set of 12.	Kit for vert. connection incl. bolts, spigots and accessories	Quick connection set	Bolt connection set for 30 – 40 series	4 special steel half spigots with screws for Heavy Duty Dado
				4 special steel half spigots with screws for Light Duty Dado

Complements

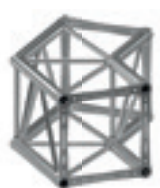
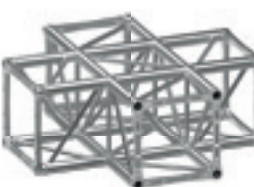
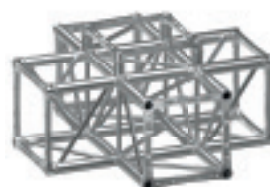
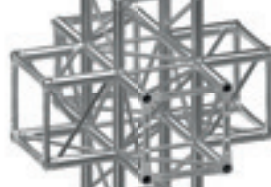
A range of complementary elements is available as standard to help you interface your QX40SA in the best possible way.

				
FP40	C029-40	QU3040H050	CBT3040	CBQ3040
QX40/QH40 floor plate (40 x 40 cm)	Ceiling support for 29-40 truss series	29-40 Special Truss L=050 with hoist support	2 points Bridle Hook for 29 / 40 cm truss	4 points Bridle Hook for 29 / 40 cm truss
				
QX40SAACSC	Q40SL2ADJ	C040	C040WB	SASSL-C406
St 29 cm square clamp module (short)	Adjustable angle 0-180°	Bar hook for 40 cm. truss series	40 cm wall bracket w/half couplers	Support for transport & stacking of 2 x series 40 trusses
				
SASSL-C409	QU40K8A021	TZ40C01	TZ40K01	
Universal trolley for transport of series 30 & 40 trusses	Adapter for Dado QU40K8. With a usable length of 21 cm, it compensates the size difference between the Dado and a standard 50 cm corner	Assembly tool for half-spigot for Light-Duty Dado 29/40 cm.	Assembly tool for half-spigot for Heavy-Duty Dado 29/40 cm.	

Corners

END PLATED TRUSS **QX40SA**

A wide range or corner elements is available for the QX40SA System. Standard corners come in various opening angles. Here we present the most commonly used angles. Other solutions are available on request.

			
QX40SAL2060	QX40SAL2090	QX40SAL2120	QX40SAT3
ST 40 cm square - 2 way 60° corner	ST 40 cm square - 2 way 90° corner	ST 40 cm square - 2 way 120° corner	ST 40 cm square - 3 way tee
			
QX40SAX4	QX40SAX5	QX40SAX6	QX40SAX7
ST 40 cm square - 4 way cross	ST 40 cm square - 5 way cross	ST 40 cm square - 6 way cross	ST 40 cm square - 7 way cross

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. Each version includes **Light-Duty** models with die-cast nodes, as well as **Heavy-Duty** models featuring CNC-machined solid aluminium nodes.

Light-Duty Dado			Heavy-Duty Dado		
					
FX40C4	QX40C8	FU40K4	QU40K8		
40 x 40 x 5	40 x 40 x 40	40 x 40 x 5	40 x 40 x 40		
4.2	12.3	4.7	12.8		
The Dado 6-way box corner (4 nodules) is the Dado version designed to connect QX40SA. Light-Duty version with welded diagonal.			The Dado 6-way box corner (6 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX40SA series. Heavy-Duty version with welded diagonals.		



Compact bases

End Plated Truss **QX40SA**



END PLATED TRUSS
QX40SA

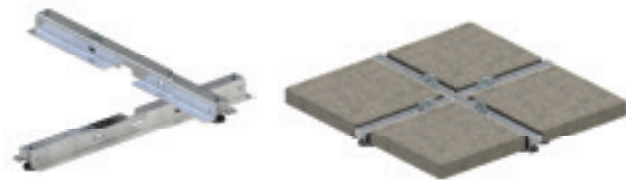
This section covers the range of compact bases and ballast-carrying solutions.
This compact base series is assembled without tools by simply interlocking the two ground profiles.
The tower's own weight stabilises the connection.
The **BFB version** features profiles specifically designed to house standard concrete plates used as ballast.

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

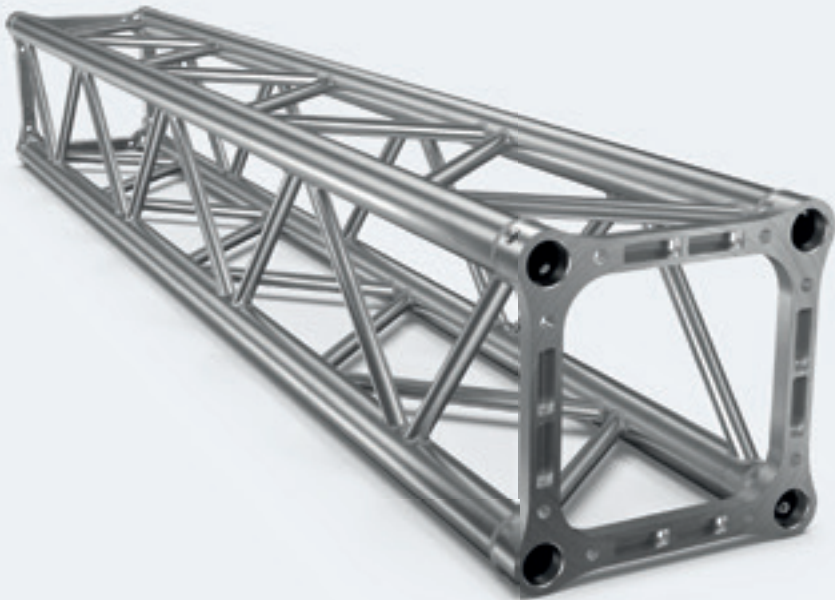
Tool-less Base LT QU2552BFB



- 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.



Square truss with 29 cm sides
Heavy-Duty line

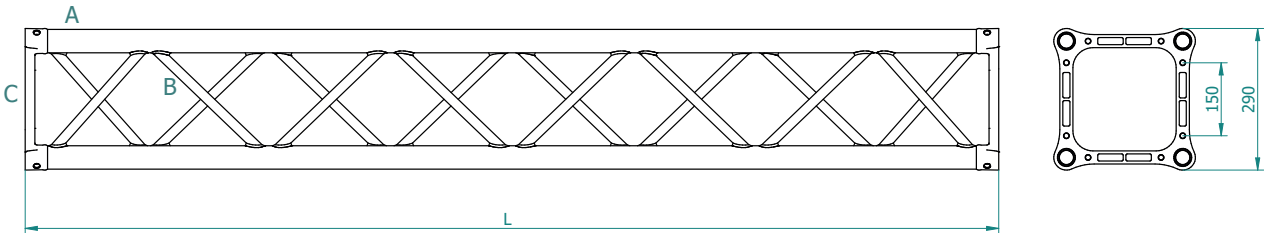
Like all trusses in the “H” series, this model has been developed to enhance performance over the corresponding “X” series.

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)
QU30ADP010M5	29 × 29 × 10.5	3.2	QH30SA150	29 × 29 × 150
QU30ADP019M5	29 × 29 × 19.5	3.6	QH30SA200	29 × 29 × 200
QU30ADP021	29 × 29 × 21	3.7	QH30SA250	29 × 29 × 250
QH30SA025	29 × 29 × 25	4.1	QH30SA300	29 × 29 × 300
QH30SA029	29 × 29 × 29	4.4	QH30SA350	29 × 40 × 350
QH30SA050	29 × 40 × 50	5.7	QH30SA400	29 × 40 × 400
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	
	Point load	Full load	mm	Point load	mm
[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
	Point 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

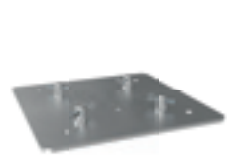
End Plated Truss QH30SA

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	KCP	KSP	K370	KSFH
Aluminium spigot, set of 10	R-spring, set of 100	Steel Pin, set of 10	Half truss spigot + 1 steel pin + 1 R-spring (not for Dado)	Threaded pin, set of 12
				
KCFC	QXFC	QXSM10	QXCFC	QUKFC
Kit for vert. connection incl. bolts, spigots and accessories	Quick connection set	Bolt connection set for 30 – 40 series	4 special steel half spigots with screws for Light Duty Dado	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	QU30ADP-052	QX30SAACS	QX30SAACL
7° angled spacer for series 29 square trusses.	5° angled spacer for series 29 square trusses.	ST 29 cm. square Clamp module short	ST 29 cm. square Clamp module-long
			
FP30	FP30M	QU30TR	Q30SL2ADJ
FX30/TX30/QX30/TH30/QH30 universal floor plate	FX30/TX30/QX30/TH30/QH30 universal floor plate (large 50x50 cm)	Lighting support	Adjustable angle 0-180°

END PLATED TRUSS

QH30SA

			
C030	C030WB	C029-40	CBT3040
Bar hook for 29 cm. truss	29 cm wall bracket w/ half couplers	Ceiling support for 29-40 truss series	2 points Bridle Hook for 29 / 40 cm truss
			
CBQ3040	QU30TRC	SASSL-B815	SASSL-C225
4 points Bridle Hook for 29/40 cm. truss	Lighting support - Diameter 100 cm	Support for transport & stacking of 2 x series 29 trusses	Support for transport & stacking of 4 x series 29 trusses
			
SASSL-C409	QU30K8A021	TZ30K01	
Universal trolley for transport of series 29 & 40 trusses	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	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 nodule) 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 nodule) 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



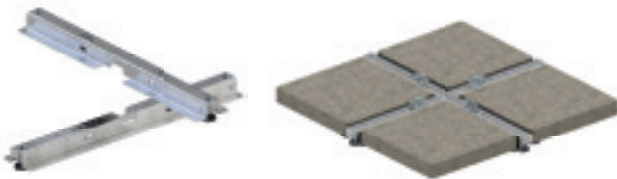
- Lightweight, compact solution for indoor use.
- Compatible with all standard **25/30 square trusses**

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 of 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.



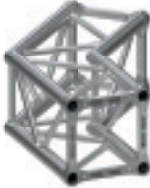
Code	W × D × H (cm)	Kg
QH30SAL2060	100 × 100 × 29	12.1
ST 29 cm square 2 ways 60° corner		



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		



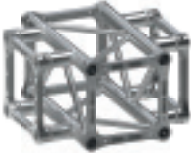
Code	W × D × H (cm)	Kg
QH30SAL3	50 × 50 × 50	9.7
ST29 cm square 3 way corner		



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



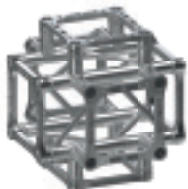
Code	W × D × H (cm)	Kg
QH30SAT4	50 × 50 × 50	11.1
ST29 cm square 4 way tee		



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		



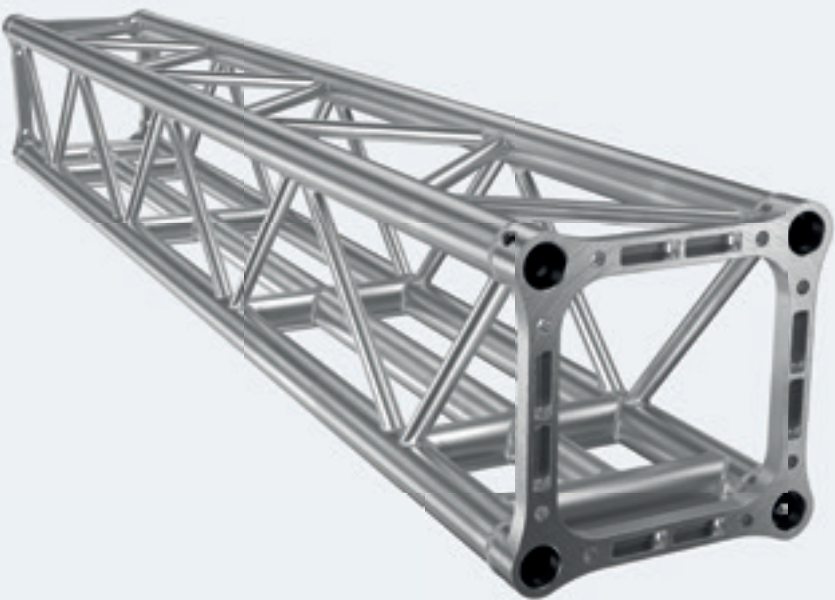
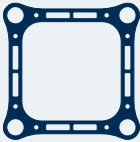
Code	W × D × H (cm)	Kg
QH30SAX6	50 × 50 × 50	13.2
ST 29 cm. square 6 way cross		



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.

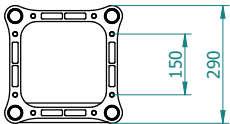
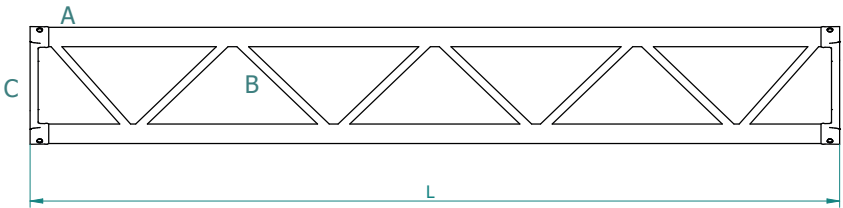
The ready-made solution for suspending LED walls, lighting fixtures, and scenic rigs.

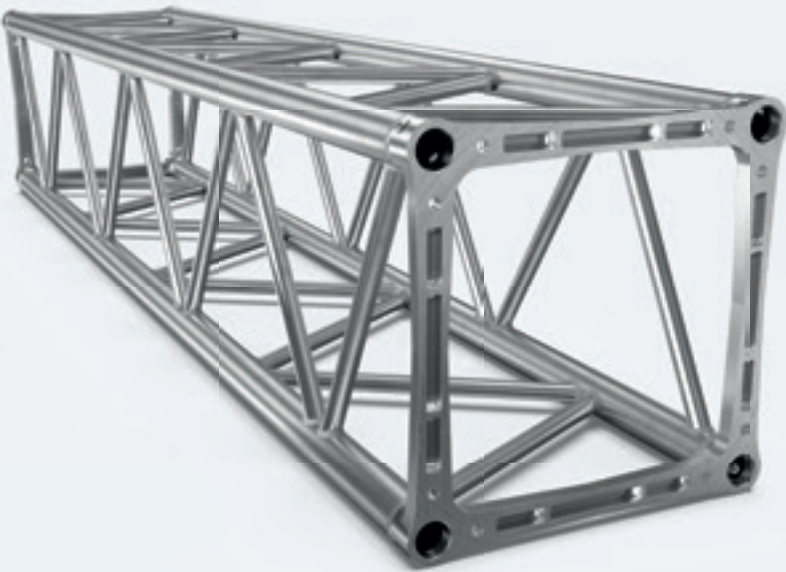
Main tubes: Ø48 × 3 mm aluminium
Central Chord: Ø48 × 3 mm aluminium
Diagonals: Ø20 × 2 mm aluminium

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





Square truss with 40 cm sides

Thanks to its larger size and anti-torsion design, this truss offers increased load capacity and longer spans compared to all smaller models in the range.

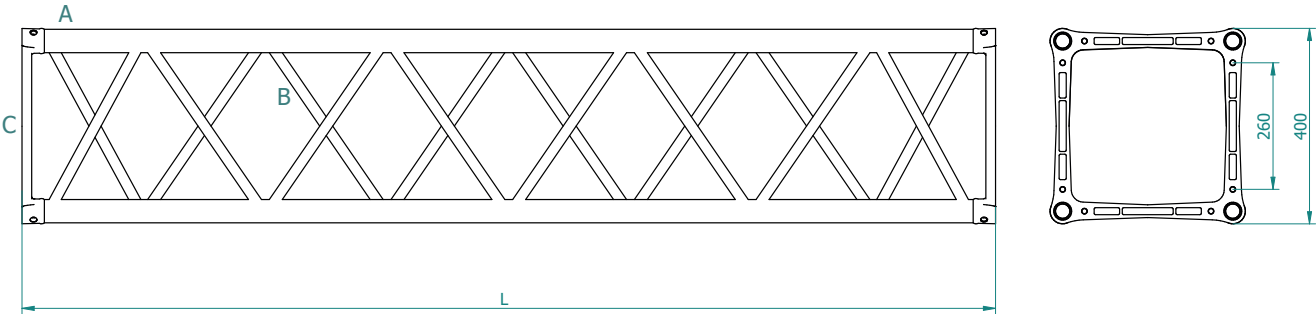
Commonly used for exhibition areas and in all applications where higher performance and solid load-bearing capabilities are required.

Its robust anti-torsion design also makes it an excellent choice for use as a tower truss.

Main tubes: Ø48 × 3 mm aluminium
Diagonals: Ø22 × 2 mm aluminium

LINEAR ELEMENTS				
Code	W × H × D (cm)	kg	Code	W × H × D (cm)
QU40ADP010	40 × 40 × 10	4.5	QH40SA200	40 × 40 × 200
QH40SA025	40 × 40 × 25	5.6	QH40SA250	40 × 40 × 250
QH40SA050	40 × 40 × 50	7.4	QH40SA300	40 × 40 × 300
QH40SA100	40 × 40 × 100	10.5	QH40SA350	40 × 40 × 350
QH40SA150	40 × 40 × 150	14.1	QH40SA400	40 × 40 × 400

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 48 × 3 mm EN AW - 6082 T6	Extruded tube Ø 22 × 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	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

span	Cantilever load table / Spigot connection				
	Unif. distributed load			Centre point load	
					
[m]	[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	Unif. distributed load
	Point load
[m]	[kg/m]
3	9697
6	7444
9	4316
12	2519

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 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 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.

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 QH40SA in the best possible way.



FP40

QX40/QH40 floor plate (40 x 40 cm)



QU3040H050

29-40 Special Truss L=050 with hoist support



CBT3040

2 points Bridle Hook for 29 / 40 cm truss



CBQ3040

4 points Bridle Hook for 29/40 cm. truss



QX30SAACS

ST 29 cm. square Clamp module short



C040WB

40 cm wall bracket w/ half couplers



C029-40

Ceiling support for 29-40 truss series



SASSL-C406

Support for transport & stacking of 2 x series 40 trusses



SASSL-C409

Universal trolley for transport of series 30 & 40 trusses



TZ40K01

Assembly tool for half-spigot for Dado 29/40 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 QH40SA line interfaces exclusively with the Heavy-Duty Dado series,

featuring CNC-machined solid aluminium nodes.

Heavy-Duty Dado



Code	W × D × H (cm)	Kg
FU40K4	40 x 40 x 5	4.7

The Dado 6-way box corner (6 nodules) is the simplest and most scalable solution to connect QX30SA. Heavy-Duty version with welded diagonal.



Code	W × D × H (cm)	Kg
QU40K8	40 x 40 x 40	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 QX30SA series. Heavy-duty version with welded diagonals.



Compact bases

End Plated Truss **QH40SA**



END PLATED TRUSS
QH40SA

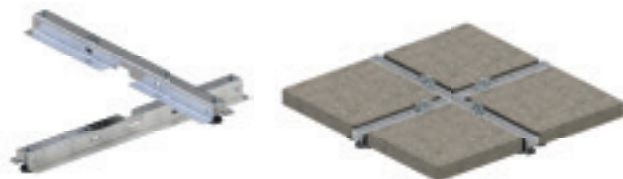
This section covers the range of compact bases and ballast-carrying solutions.
This compact base series is assembled without tools by simply interlocking the two ground profiles.
The tower's own weight stabilises the connection.
The **BFB version** features profiles specifically designed to house standard concrete plates used as ballast.

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 x50 x5 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 **QH40SA**


A wide range or corner elements is available for the QH40SA 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
QH40SAL2045	100 × 100 × 40	17.4
ST 40 cm square 2 ways 45° corner		



Code	W × D × H (cm)	Kg
QH40SAL2060	100 × 100 × 40	12.7
ST 40 cm square 2 ways 60° corner		



Code	W × D × H (cm)	Kg
QH40SAL2090	50 × 50 × 40	9.4
ST 40 cm square 2 ways 90° corner		



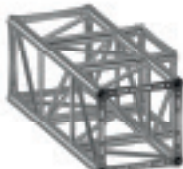
Code	W × D × H (cm)	Kg
QH40SAL2120	50 × 50 × 40	9.3
ST 40 cm square 2 ways 120° ext. vertex		



Code	W × D × H (cm)	Kg
QH40SAL2135	50 × 50 × 40	9.6
ST 40 cm square 2 ways 135° corner, int. vertex		



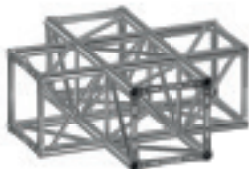
Code	W × D × H (cm)	Kg
QH40SAL3	50 × 50 × 50	11.9
ST 40 cm square 3 way corner		



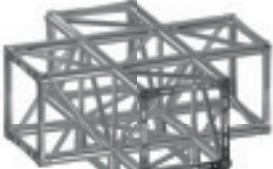
Code	W × D × H (cm)	Kg
QH40SAT3	50 × 50 × 40	15
ST 40 cm square 3 way tee		



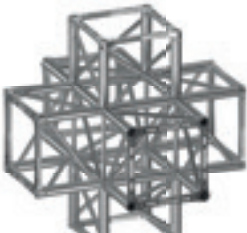
Code	W × D × H (cm)	Kg
QH40SAT4	50 × 50 × 50	17.5
ST 40 cm square 4 way tee		



Code	W × D × H (cm)	Kg
QH40SAX4	100 × 100 × 40	20.4
ST 40 cm square 4 way cross		



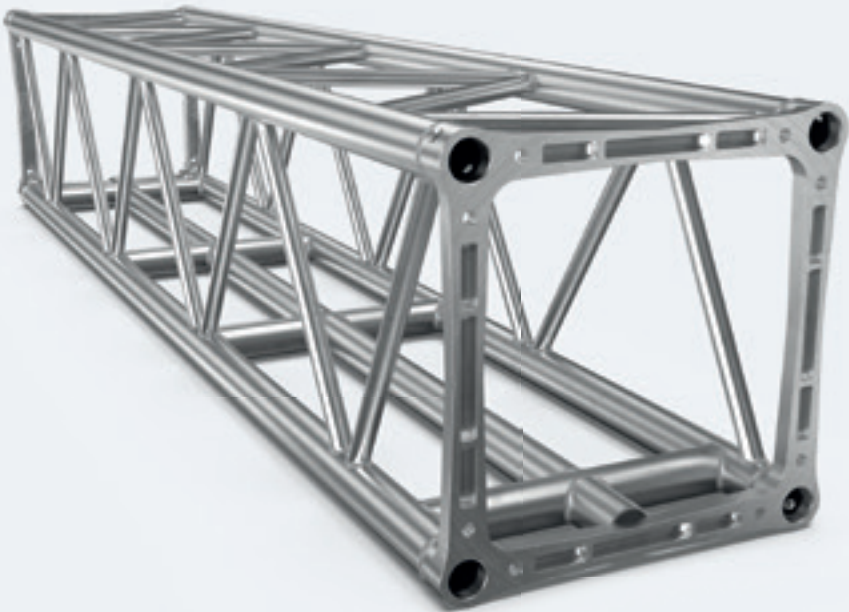
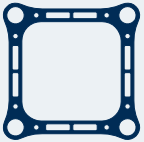
Code	W × D × H (cm)	Kg
QH40SAX5	100 × 100 × 50	22.9
ST 40 cm square 5 way cross		



Code	W × D × H (cm)	Kg
QH40SAX6	100 × 100 × 100	28.3
ST 40 cm. square 6 way cross		



END PLATED TRUSS
QH40SAZ



MIDDLE CHORD TRUSS

Square truss with 40 cm sides – Heavy-Duty line with central chord

A special version of the QH40SA line with a 48 mm diameter central chord. Designed for direct central hanging of balanced loads.

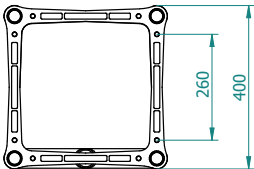
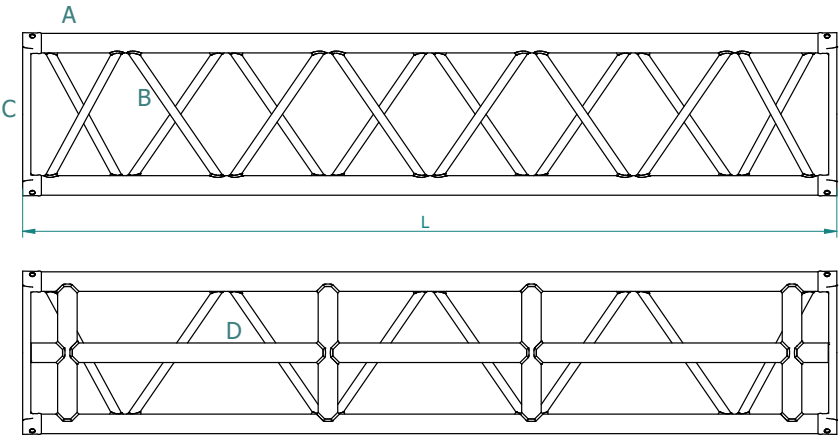
The ready-made solution for suspending LED walls, lighting fixtures, and scenic rigs.

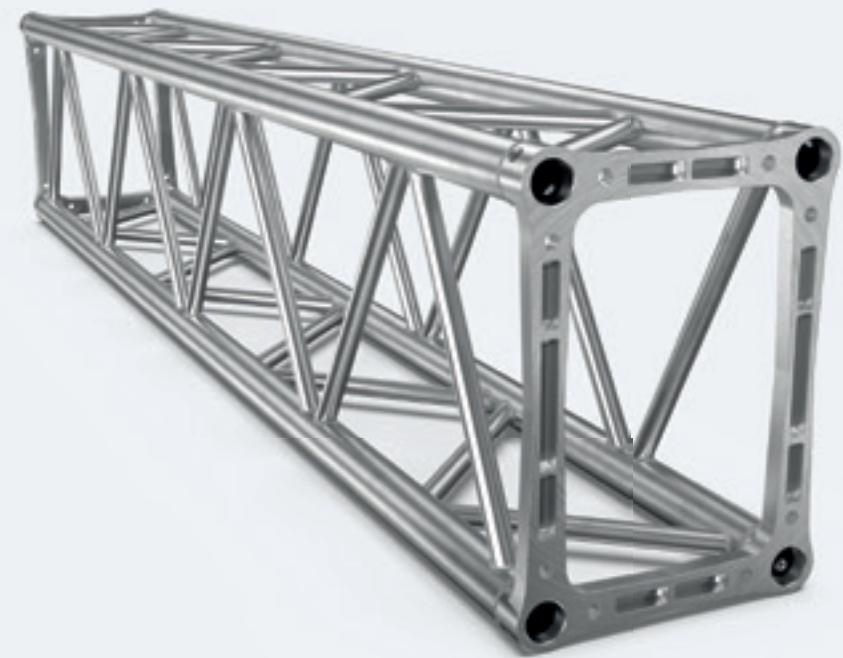
Main tubes: Ø48 × 3 mm aluminium
Central Chord: Ø48×3 mm aluminium
Diagonals: Ø20 × 2 mm aluminium

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





Rectangular truss with
40 × 29 cm sides

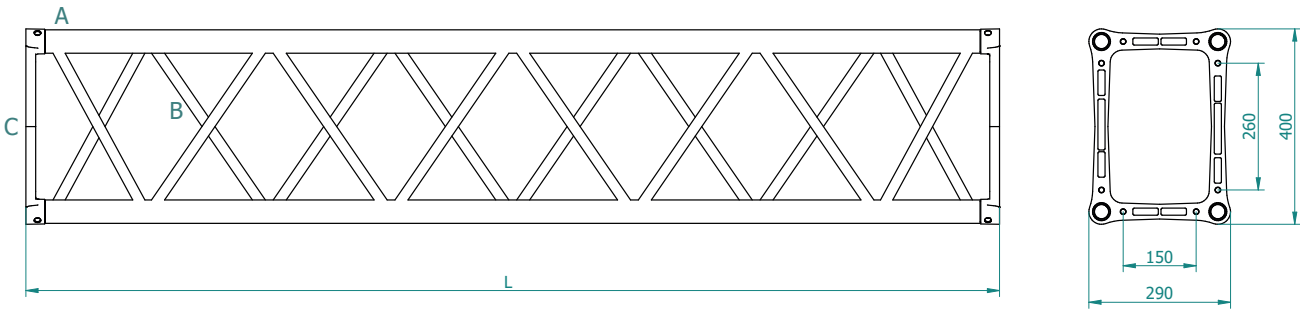
The only plated rectangular truss in the Litec range, designed to maximise load-bearing capacity through its 40 cm main side, while the reduced 29 cm width ensures greater compactness.

The result is a high-performance truss with a smaller footprint compared to the QH40SA model.

Main tubes: Ø48 × 3 mm aluminium
Diagonals: Ø22 × 2 mm aluminium

LINEAR ELEMENTS				
Code	W × H × D (cm)	kg	Code	W × H × D (cm)
RH40DPO10	29 × 40 × 10	4.4	RH40SA200	29 × 40 × 200
RH40SA025	29 × 40 × 25	5.0	RH40SA250	29 × 40 × 250
RH40SA050	29 × 40 × 50	6.7	RH40SA300	29 × 40 × 300
RH40SA100	29 × 40 × 100	10.0	RH40SA350	29 × 40 × 350
RH40SA150	29 × 40 × 150	13.2	RH40SA400	29 × 40 × 400

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 48 × 3 mm EN AW - 6082 T6	Extruded tube Ø 22 × 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	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	mm	Point load	mm
[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

span	Unif. distributed load
	Point load
[m]	[kg/m]
1	14100
2	11900
3	8850
4	6220
5	4440

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.

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	KCP	KSP	K370	KSFH
Aluminium spigot, set of 10	R-spring, set of 100	Steel Pin, set of 10	Half truss spigot + 1 steel pin + 1 R-spring (not for Dado)	Threaded pin, set of 12
				
KCFB	QXFC	QXSM10	QXCFC	QUKFC
Kit for vert. connection incl. bolts, spigots and accessories	Quick connection set	Bolt connection set for 30 – 40 series	4 special steel half spigots with screws for Light Duty Dado	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 RH40SA in the best possible way.

			
QU3040H050	CBT3040	CBQ3040	C030
29-40 Special Truss L=050 with hoist support	2 points Bridle Hook for 29 / 40 cm truss	4 points Bridle Hook for 29/40 cm. truss	Bar hook for 29 cm. truss
			
C030WB	C029-40		
29 cm wall bracket w/ half couplers	Ceiling support for 29-40 truss series		

			
SASSL-B815	SASSL-C225	SASSL-C409	TZ40K01
Support for transport & stacking of 2 x series 29 trusses	Support for transport & stacking of 4 x series 29 trusses	Universal trolley for transport of series 29 & 40 trusses	Assembly tool for half-spigot for Dado 29/40 cm. (For heavy-duty Dado)

Dado, the multi-way box

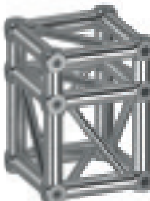
The Litec Dado system is designed for interconnecting flat and square trusses. Its coupling concept allows the creation of 90° angles in any direction, while maintaining the outer dimensions of the truss and ensuring visual continuity. Each truss has its own dedicated Dado model.

Heavy-Duty Dado



Code	W × D × H (cm)	Kg
RU40K8	40 × 29 × 29	10.6

The Dado 8-way box corner (8 nodules) is the dedicated version for RH40SA rectangular truss. Optimized for creating 90°angles in six directions. Compatible with 29 cm trusses on top and bottom sides.



Code	W × D × H (cm)	Kg
RU40K12	40 × 29 × 29	13.0

The Dado 12-way box corner (12 nodules) is the dedicated Heavy-Duty version for RH40SA rectangular truss. Optimized for creating 90°angles in six directions. Compatible with 29 cm trusses in all directions.

The RH40SA line interfaces exclusively with its own Heavy-Duty Dado series , offering two specific Dado solutions, both featuring CNC-machined solid aluminium nodes. The 12-node version ensures compatibility with 29cm side trusses.



END PLATED TRUSS

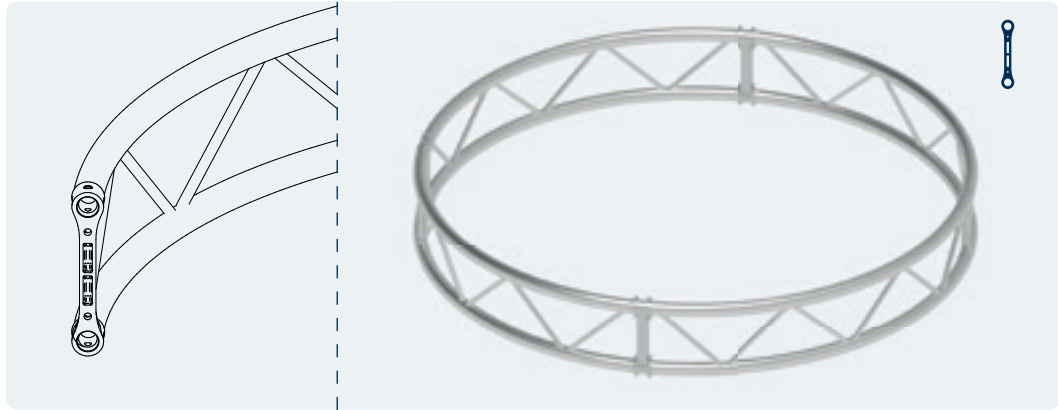
Circles

The execution of circle segments, ellipses, and full circles is a well-established practice at LITEC. The End Plated series includes an extensive range of curved sections, with virtually unlimited customisation options in terms of lengths, diameters, and tailor-made elliptical solutions developed on request.

These elements are typically custom-made, and when designing a circular arc, the only limitations to consider are:

- Minimum radius: 1 m (no limit on maximum radius)
- Arc length: not exceeding 4 m

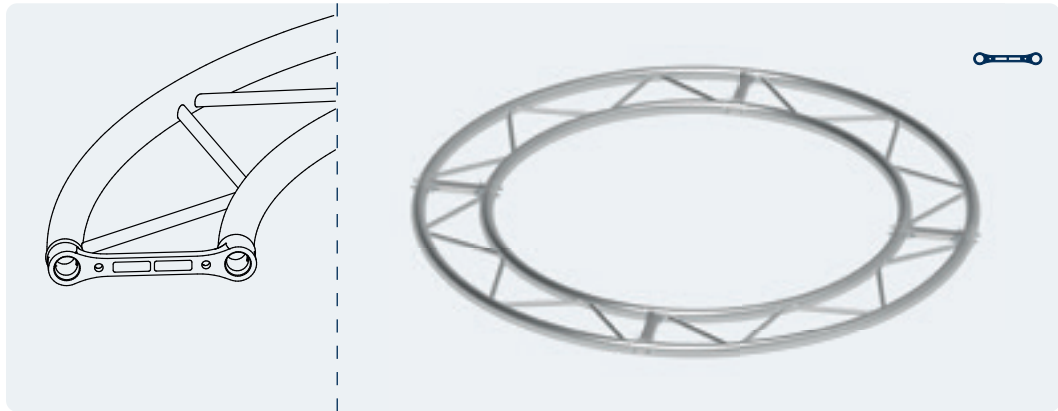
Within these parameters, virtually any variation can be produced to support your project's unique geometry.



FV

Vertical flat truss
Available in:

- FX25SA
- FX30SA



FP

Horizontal flat truss
Available in:

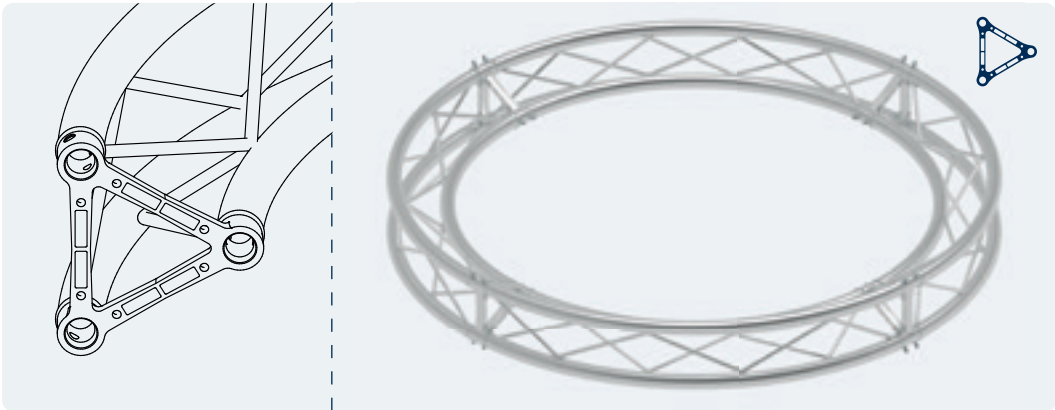
- FX25SA
- FX30SA



T

Triangular truss
with vertex on top
Available in:

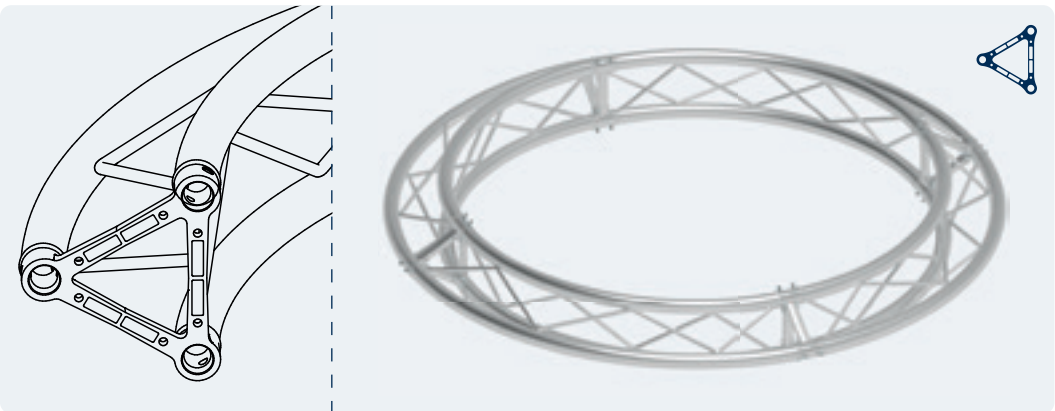
- TX25SA
- TX30SA
- TH30SA



TI

Triangular truss
with internal vertex
Available in:

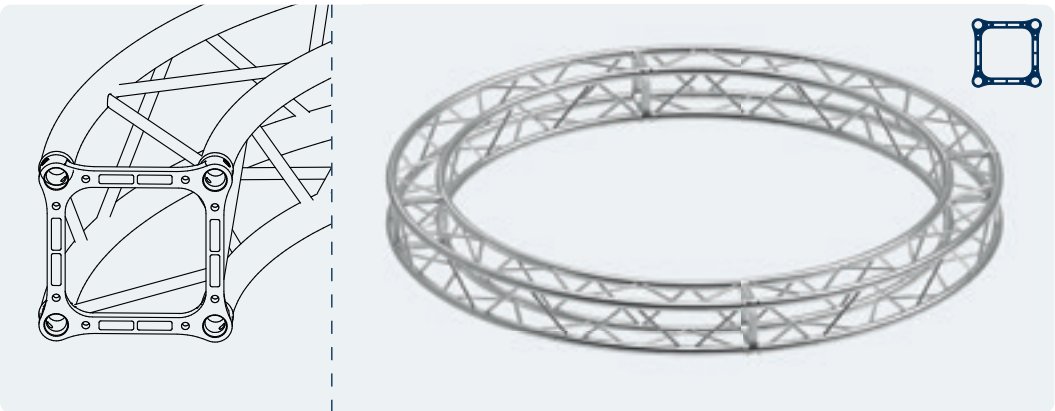
- TX25SA
- TX30SA
- TH30SA



TE

Triangular truss
with external vertex
Available in:

- TX25SA
- TX30SA
- TH30SA



Q

Square truss
Available in:

- QX25SA
- QX30SA
- QX40SA
- QH30SA
- QH40SA



Common Accessories

This section includes a selection of reinforcement arms, extension tubes with various connection types, and a universal wall bracket suitable for mounting any type of truss with main chord Ø48-50 mm

Reinforcement Arms

RAB

Ø50 mm aluminium round tube
W/ conical spigot bush. Custom lengths.



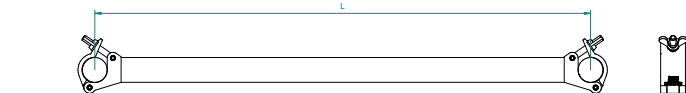
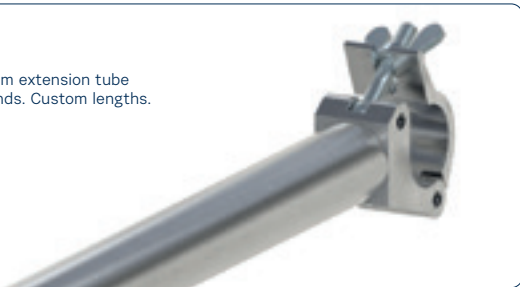
RAT

Ø50 mm aluminium round tube
W/ plastic end caps. Custom lengths.



RAHC

Ø50 mm aluminium extension tube
W/ square fork ends. Custom lengths.



RATHC

Ø50 mm aluminium round tube
W/ one end plastic cap & one end half-clamp.
Custom lengths



RAH_P

Reinforcement arm with Ø50 mm aluminium tube & snap hooks at each end.
Custom lengths.



RAH

Reinforcement arm with Ø50 mm aluminium tube & snap hooks at each end, oriented in reverse positions.
Custom lengths.



RAF

Ø50 mm aluminium extension tube with square fork ends. Custom lengths.



RAFR

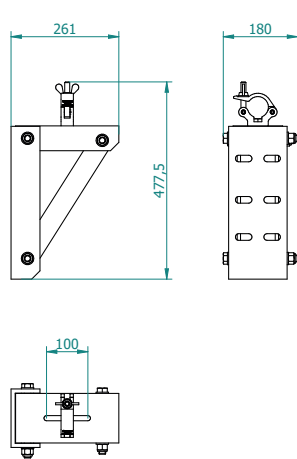
Ø50 mm aluminium extension tube with round fork ends. Custom lengths



Wall-mount bracket

SASSL-B815

Wall-mount bracket with interface clamp



Transport Clips

CL2D50

Transport clip. Plastic casting for truss stacking. Compatible with all flat and square truss series with Ø48 and Ø50 mm tubes. Often used in stacked pairs.





ARMOR SAFETY HELMET

We are delighted to introduce the LITEC Armor Safety Helmet, now available in gray or black and ready to ship! Certified to meet EN397 standards, designed with your safety and comfort in mind.



CODE: LT SHARMG-LO1P
CERTIFICATION: EN 397
WEIGHT: 430g
SIZE: 53-63 mm adjustable
MATERIAL: PP - Polypropylene
COLOR: GREY

- Adaptive fit system 53-63 size – engineered to offer a customised fit for all users.
- GUDO dial adjustment for perfect head-fitting control – the ability to ensure a comfortable and secure fit for maximum comfort and security.
- Ventilation holes and channels for breathable comfort especially in prolonged periods of wear.
- Ring to hook and lateral adjustment divider.
- Sleek webbing suspension system with removable padding for washing and hygiene.
- Equipped with buckle safety release for chin-strap.



CODE: LT SHARMK-LO1P
CERTIFICATION: EN 397
WEIGHT: 430g
SIZE: 53-63 mm adjustable
MATERIAL: PP - Polypropylene
COLOR: BLACK





Area Four Industries Italia S.r.l.

Via Martin Luther King 70, 31032
Casale sul Sile (TV), Italy

T +39 0422 997 300

www.litectruss.com
www.litectruss.it

info@litectruss.com

