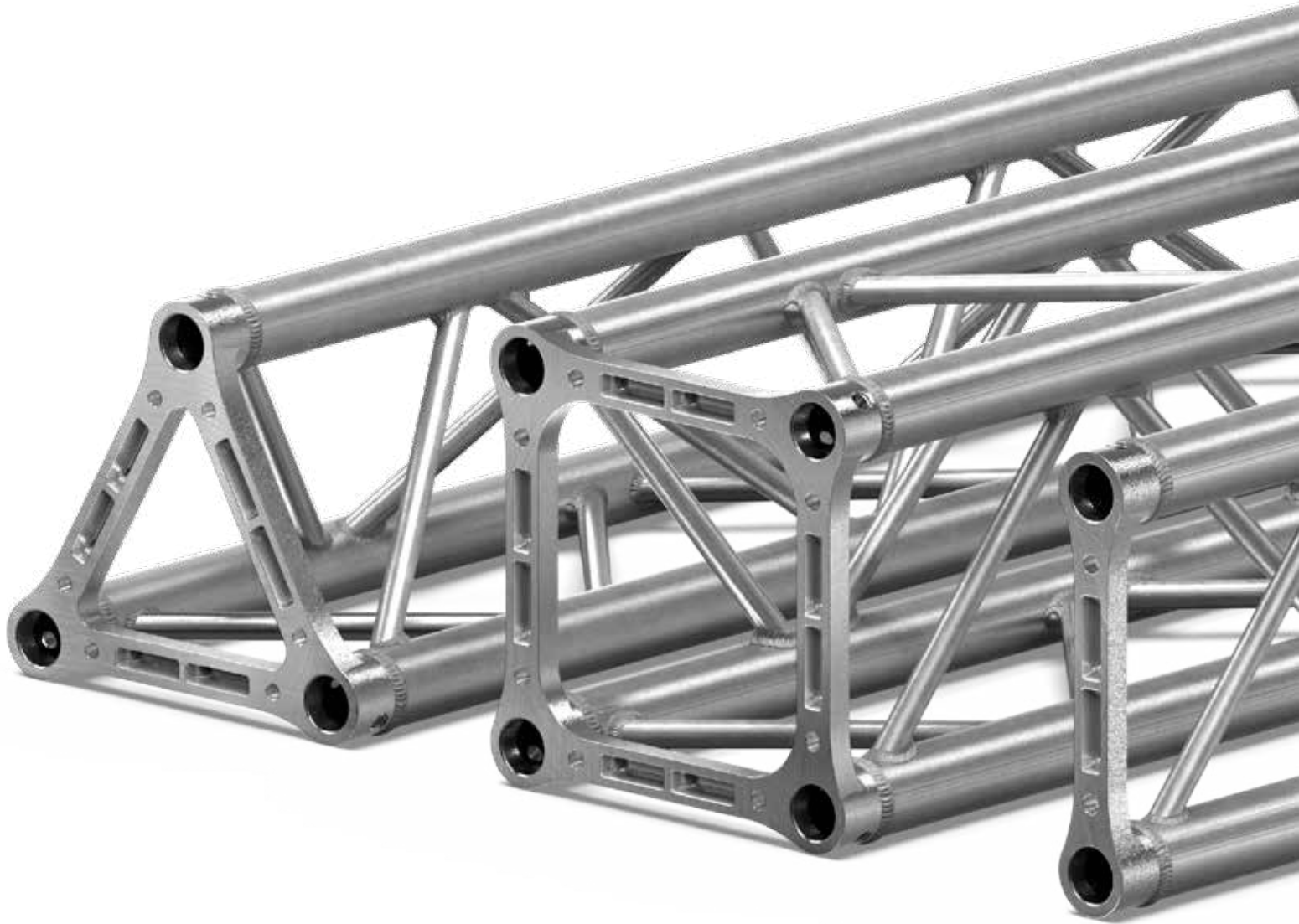
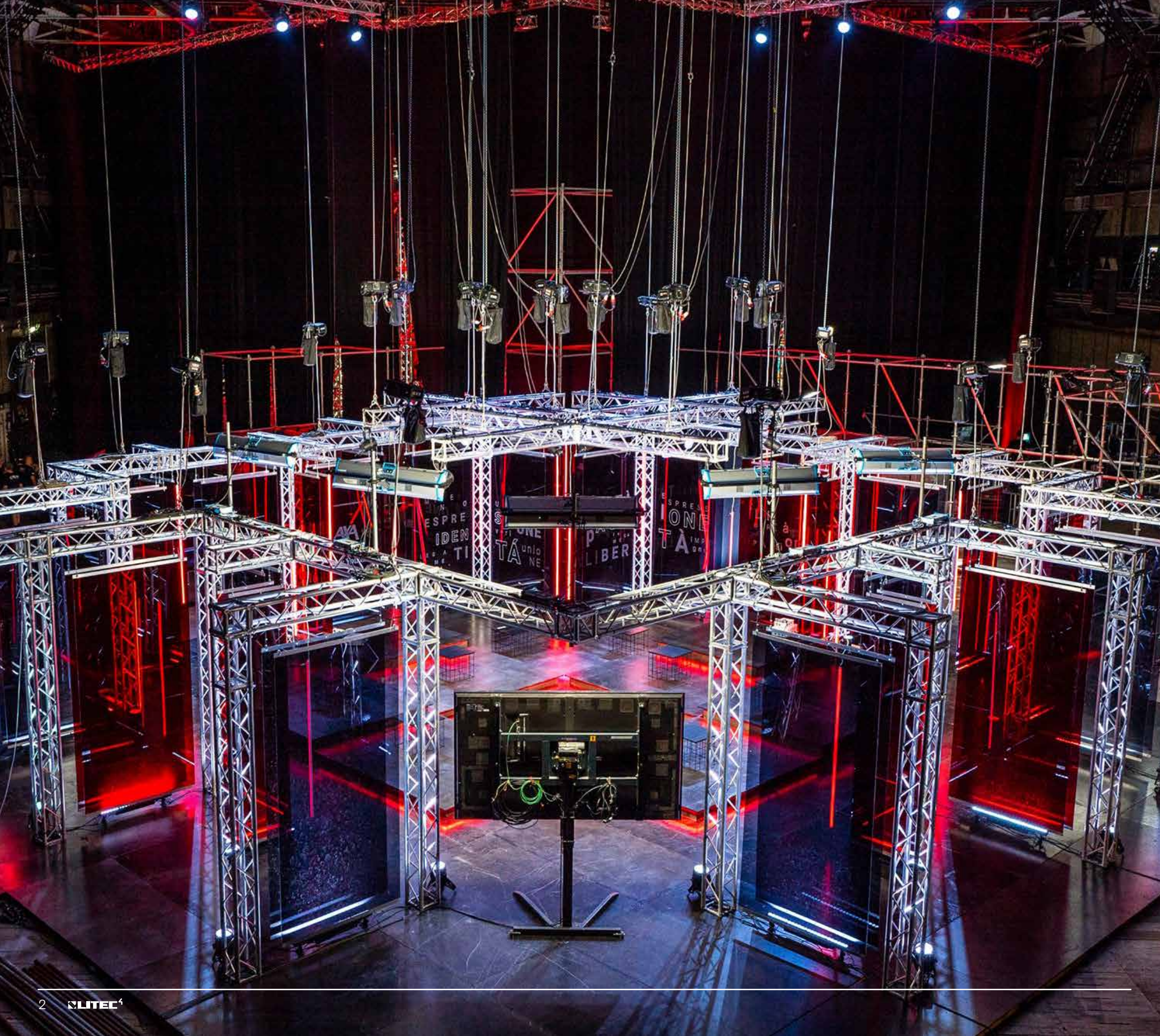




END PLATED Truss	3
FX25SA	8
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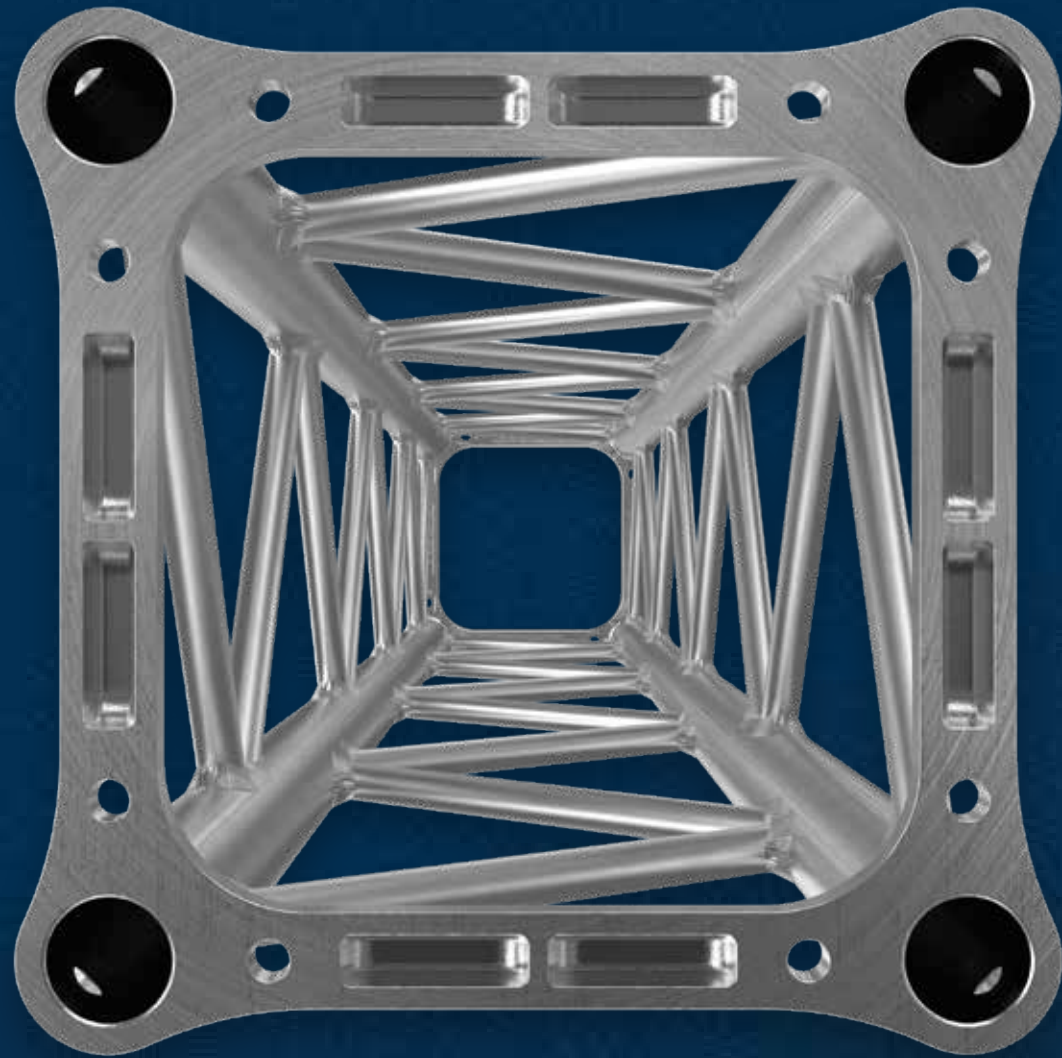


Engineered Trussing Solutions for Event Design

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:

a feature made possible only by the die-cast plate



The double-cone spigot system is the most widely adopted connection system in the aluminium truss market. It allows for fast assembly and guarantees the maximum load-bearing performance of the truss.



The alternative connection between plates is made using nuts and bolts provided in a dedicated assembly kit. Once assembled, the connection is completely concealed, leaving the truss sides clean and free from any external obstructions.



The Range

FLAT



FX25SA



FX30SA

TRIANGULAR



TX25SA



TX30SA



TH30SA

SQUARE



QX25SA



QX30SA



QX40SA



QH30SA



QH30SAZ



QH40SA



QH40SAZ

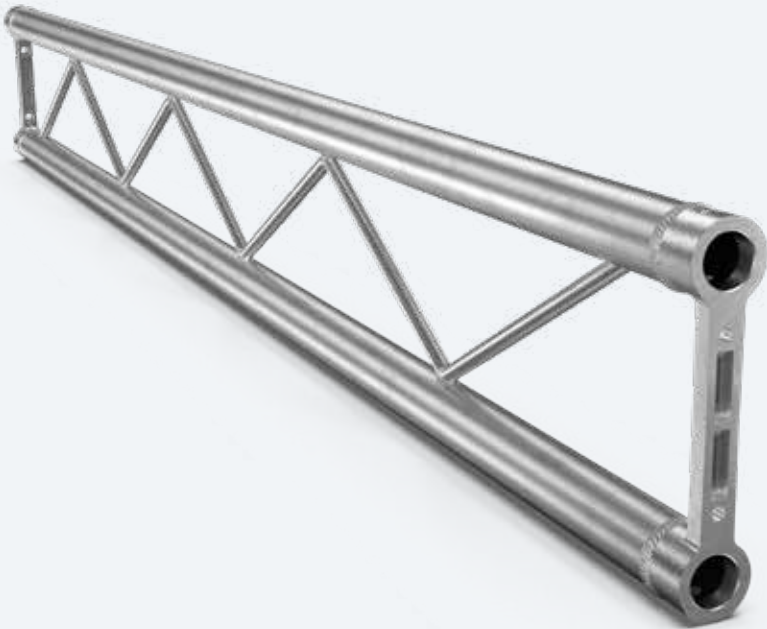
RECTANGULAR



RH40

END PLATED TRUSS

FX25SA



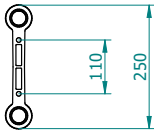
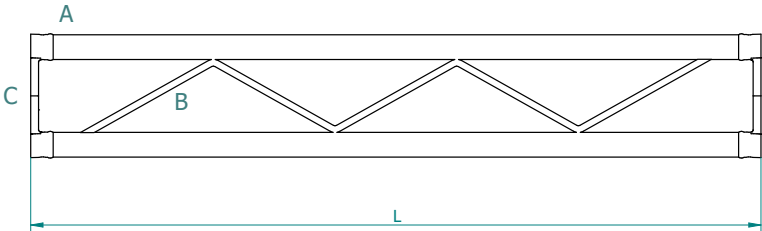
Flat truss with 25 cm side dimension

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

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

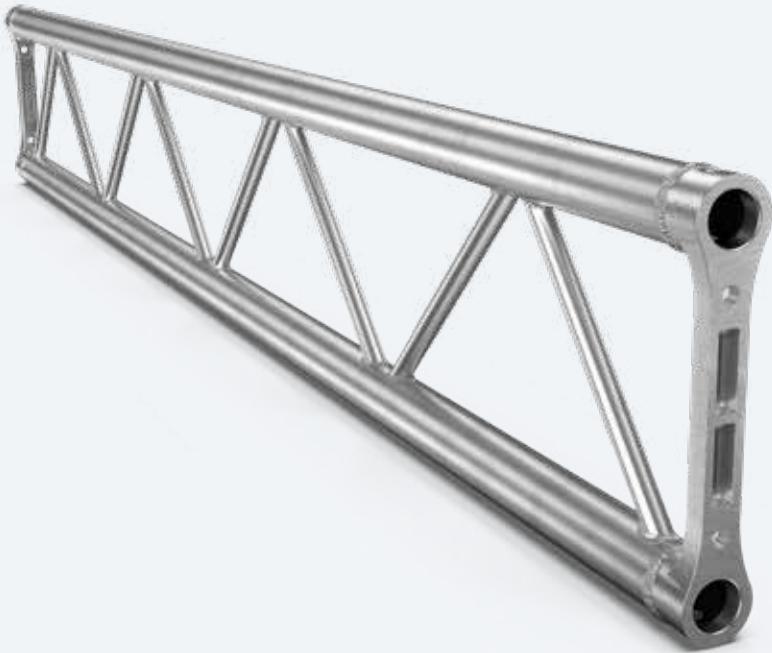
END PLATED TRUSS **FX25SA**

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	FX25SAX6	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



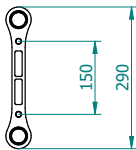
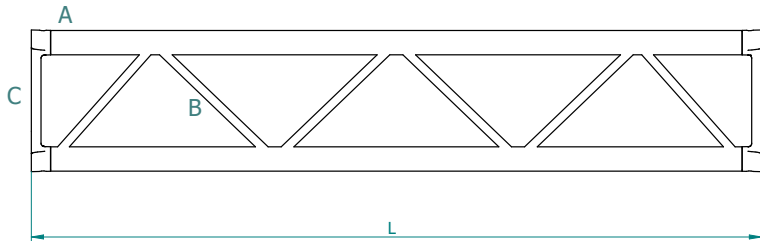
Flat truss with 29 cm side dimension

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.

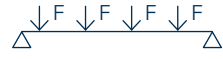
Main tubes: Ø50 × 2 mm aluminium
Diagonals: Ø18 × 2 mm aluminium

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

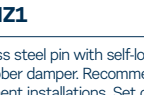
Load table has been prepared in accordance with EN 1999-1-1. When calculating the allowable loads it is assumed that the load is suspended from the bottom chord and the truss is supported from the top chord at each end.
The values shown in the table are the allowable static loads that can be applied 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	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	KSCF	KQFC	KQSM10	KQXCFC
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 Light Duty Dado
				
KQUKFC				
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	FX30SAACS	FP30	FP30M
ST 29 cm flat - Clamp module long	ST 29 cm flat - Clamp module short	FX30/TX30/QX30/TH30/QH30 universal floor plate	FX30/TX30/QX30/TH30/QH30 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		
					
FX30C2	FX30C4		FU30K2	FU30K4	
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 with welded diagonals.		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

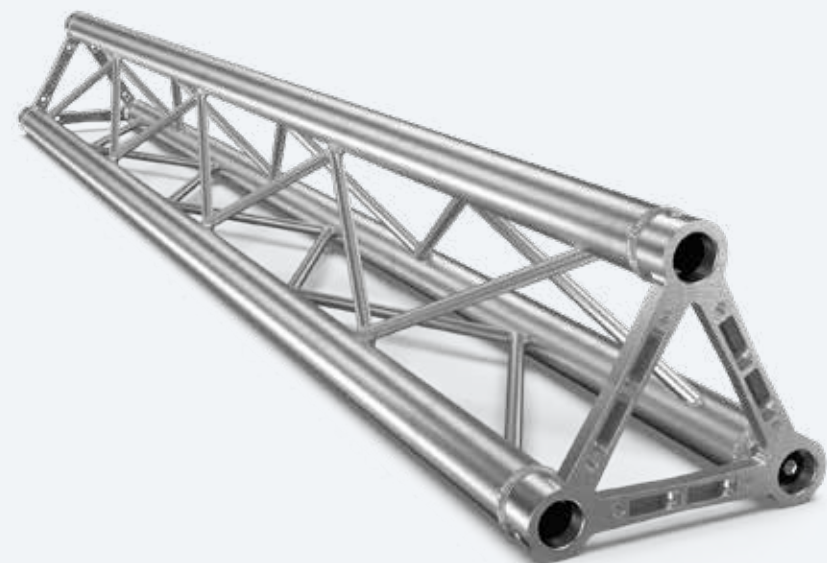
END PLATED TRUSS **FX30SA**

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.

			
FX30SAL2060P	FX30SAL2090P	FX25SAL2120P	FX25SAL2135P
ST 29 cm flat - 2 way 60° corner	ST 29 cm flat - 2 way 90° corner horizontal	ST 29 cm flat - 2 way 120° corner horizontal	ST 29 cm flat - 2 way 135° corner horizontal
			
FX30SAT3NP	FX30SAX4NP	FX30SAL3RP	FX30SAL3LP
ST 29 cm flat - 3 way tee horizontal	ST 29 cm flat - 4 way cross horizontal	ST 29 cm flat - 3 way corner right vertical	ST 29 cm flat - 3 way corner right horizontal

			
FX30SAL2060V	FX25SAL2090V	FX30SAL2120V	FX30SAL2135V
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
			
FX30SAL3LV	FX30SAL3RV	FX30SAT3NV	FX30SAT4NV
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

	
FX30SAT4NP	FX30SAX4NV
ST 29 cm flat - 4 way cross horizontal	ST 29 cm flat - 4 way cross vertical



Triangular section aluminium truss with 25 cm sides

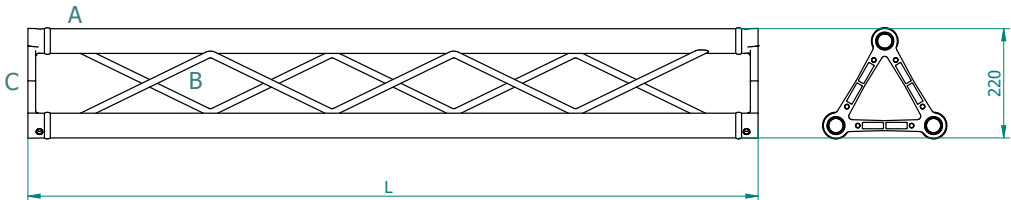
This is the triangular version of the lightest professional truss, yet it still provides a reasonable loading capacity and span.

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	Point load	Full load
	[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		

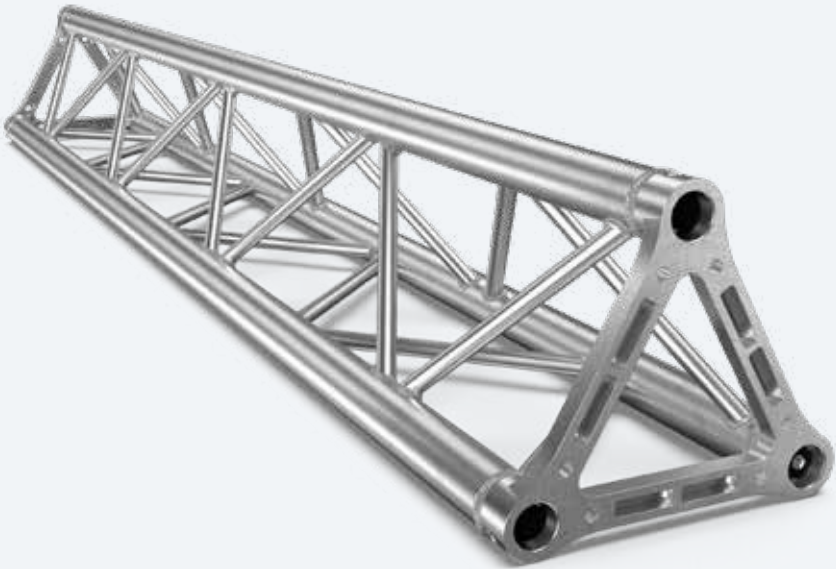


Code	W × D × H (cm)	Kg
TX25SAX5	50 × 50 × 50	6.1
ST 25 cm triangular - 5 way cross		



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

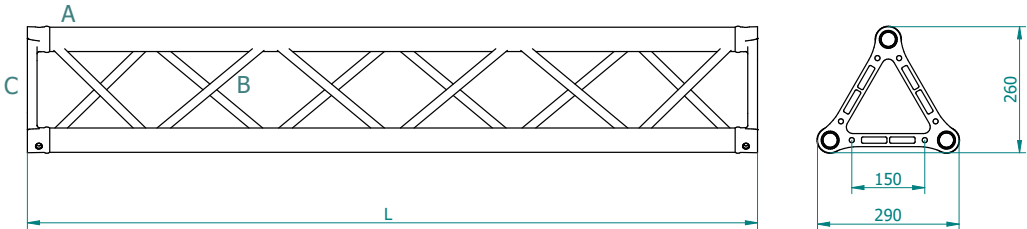
This is the triangular version of the lightest professional truss, yet it still provides a reasonable loading capacity and span.

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 × 2009.0
TX30SA021	29 × 26 × 21	2.6	TX30SA250	29 × 26 × 25010.7
TX30SA025	29 × 26 × 25	2.7	TX30SA300	29 × 26 × 30012.5
TX30SA050	29 × 26 × 50	3.7	TX30SA350	29 × 26 × 35014.2
TX30SA100	29 × 26 × 100	5.4	TX30SA400	29 × 26 × 40016.0
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	Central deflection	Point load	Full load
[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]
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 Truss **TX30SA**



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



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
30-40 Special Truss L=050 with hoist support



C030
Bar Hook for 30 series



C030WB
29 cm wall bracket W/half couplers



C029-40
Ceiling support for 30-40 cm series



CBT3040
Bar hook for 29 cm truss



Corners

END PLATED TRUSS
TX30SA

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.



Code	W × D × H (cm)	Kg
TX30SAL2060	100 × 100 × 26	7.0
ST 29 cm triangular - 2 way 60° corner		



Code	W × D × H (cm)	Kg
TX30SAL2090	50 × 50 × 26	4.4
ST 29 cm triangular - 2 way 90° corner		



Code	W × D × H (cm)	Kg
TX30SAL2090E	50 × 50 × 29	4.5
ST 29 cm triangular - 2 way 90° corner (ext.)		



Code	W × D × H (cm)	Kg
TX30SAL2090I	50 × 50 × 29	4.5
ST 29 cm triangular - 2 way 90° corner (int.)		



Code	W × D × H (cm)	Kg
TX30SAL2135E	50 × 50 × 29	4.9
ST 29 cm triangular - 2 way 135° corner ext. vertex		



Code	W × D × H (cm)	Kg
TX30SAL3R	50 × 50 × 50	6.4
ST 29 cm triangular - 3 way corner right		



Code	W × D × H (cm)	Kg
TX30SAL3L	50 × 50 × 50	6.5
ST 29 cm triangular - 3 way corner left		



Code	W × D × H (cm)	Kg
TX30SAL3LU	50 × 50 × 50	6.3
ST 29 cm triangular - 3 way corner left up		



Code	W × D × H (cm)	Kg
TX30SAL3RU	50 × 50 × 50	6.3
ST 29 cm triangular - 3 way corner right up		



Code	W × D × H (cm)	Kg
TX30SAT3	50 × 50 × 26	5.5
ST 29 cm triangular - 3 way tee		



Code	W × D × H (cm)	Kg
TX30SAT3F	50 × 50 × 29	5.8
ST 29 cm triangular - 3 way tee F		



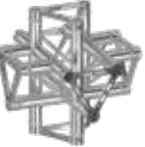
Code	W × D × H (cm)	Kg
TX30SAT4	50 × 50 × 50	7.5
ST 29 cm triangular - 4 way corner		



Code	W × D × H (cm)	Kg
TX30SAX4	50 × 50 × 26	4.1
ST 29 cm triangular - 4 way corner		



Code	W × D × H (cm)	Kg
TX30SAX5	50 × 50 × 50	8.4
ST 29 cm triangular - 5 way corner		

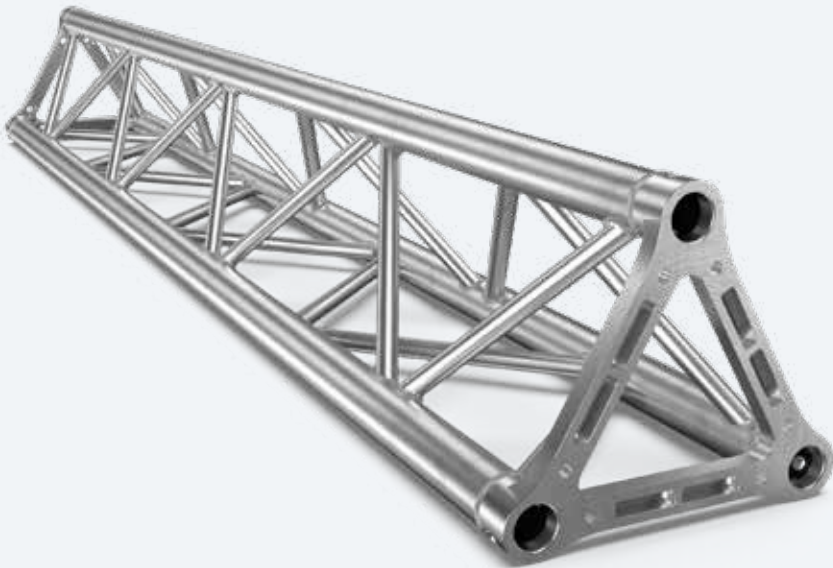


Code	W × D × H (cm)	Kg
TX30SAX6	50 × 50 × 50	9.3
ST 29 cm triangular - 6 way cross		



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'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

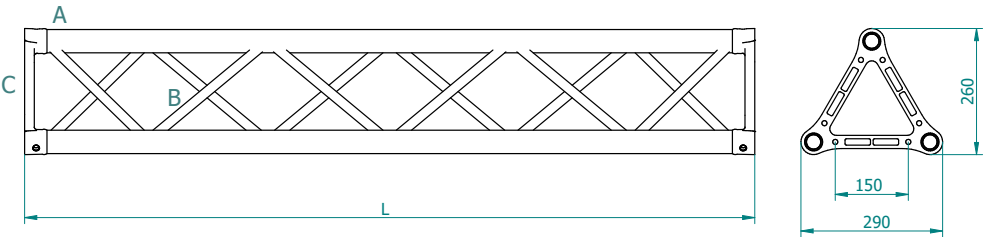
The “H” series trusses are engineered to deliver enhanced performance compared to the corresponding “X” series models.

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

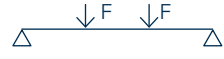
Main tubes: Ø48 × 3 mm aluminium
Diagonals: Ø20 × 2 mm aluminium

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		

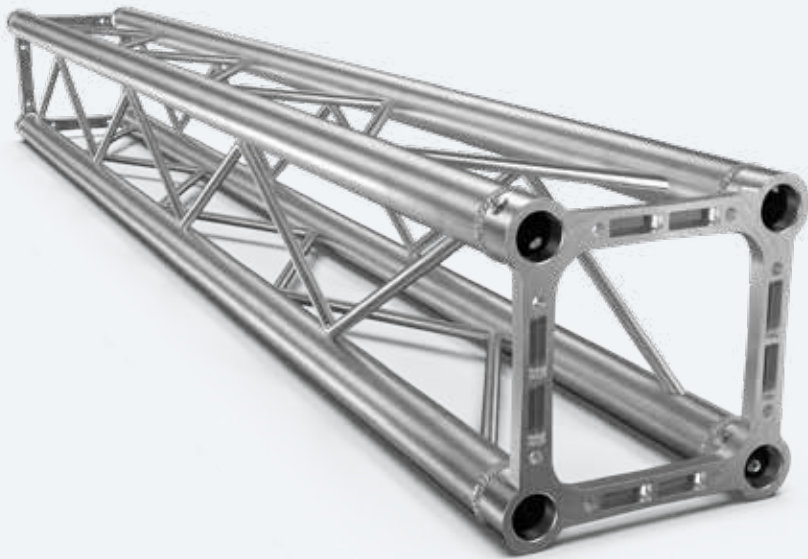


Code	W × D × H (cm)	Kg
TH30SAT3	50 × 50 × 26	6.4
ST 29 cm triangular - 3 way tee		



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.



Square truss with 25 cm sides

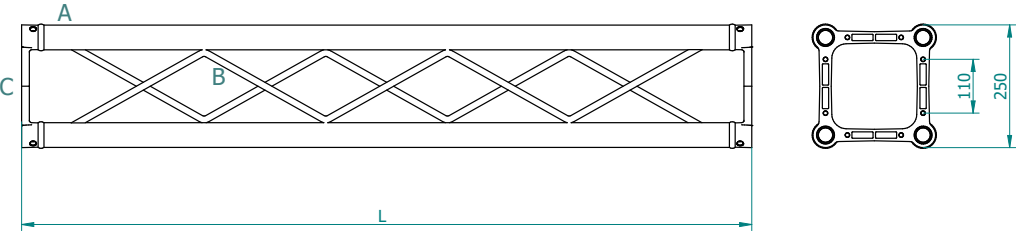
This is the square version of the lightest professional truss, yet it still provides a reasonable loading capacity and span. It is ideal for exhibition setups, banner supports, and scenic structures.

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	483	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

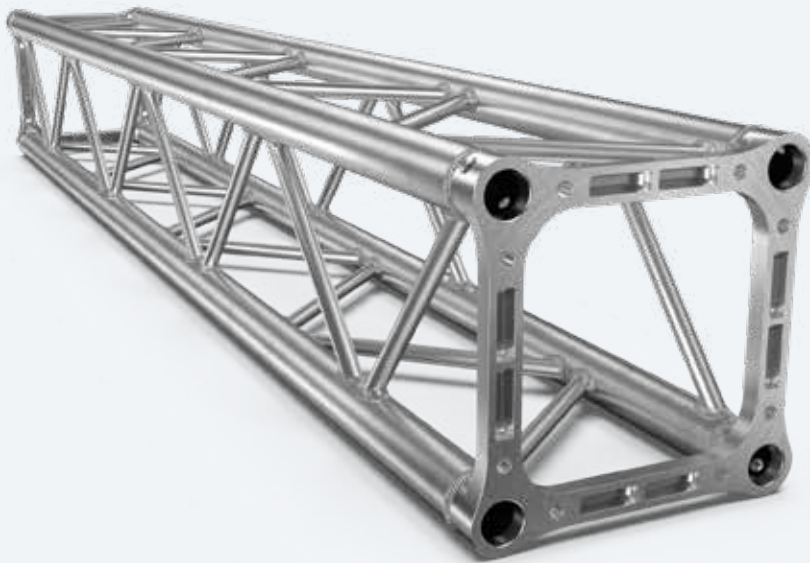
Tool-less Base LT QU2552BFB



- 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.

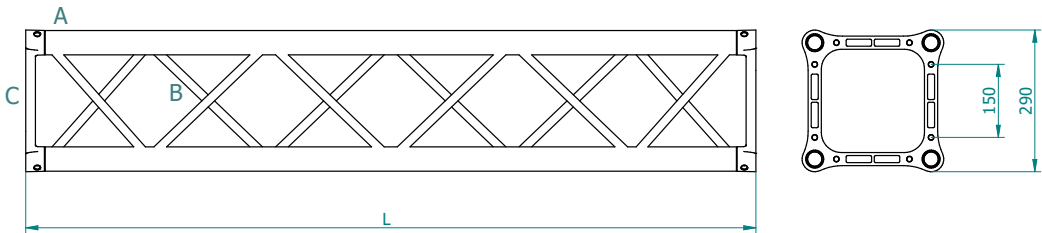
It also serves as the main structural component for:

- 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 × 1509.5
QU30ADPO19M5	29 × 29 × 19.5	3.6	QX30SA200	29 × 29 × 20011.8
QU30ADPO21	29 × 29 × 21	3.4	QX30SA250	29 × 29 × 25014.1
QX30SA025	29 × 29 × 25	3.6	QX30SA300	29 × 29 × 30016.5
QX30SA029	29 × 29 × 29	3.8	QX30SA350	29 × 40 × 35018.8
QX30SA050	29 × 40 × 50	4.8	QX30SA400	29 × 40 × 40021.2
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	mm	Point load	mm
[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

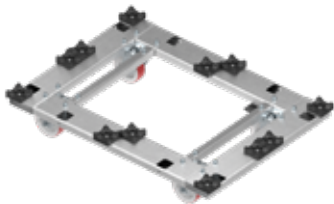
Complements

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

Universal trolley for transport of series 30 & 40 trusses



QU30TRC

Lighting support - Diameter 100 cm



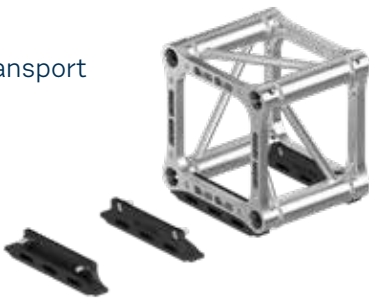
QX30K8A021

Adapter for Dado QU30K8

Bumper & Truss ballast

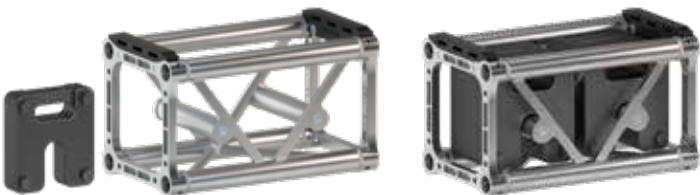
Truss Bumper – Integrated Truss Spacer

- 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

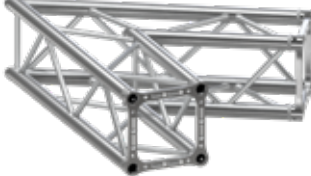
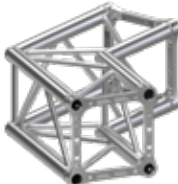
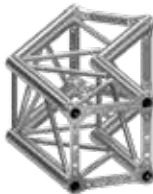
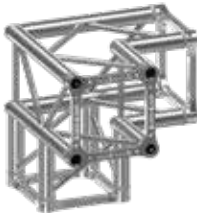
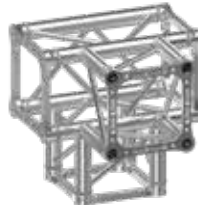
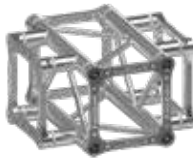
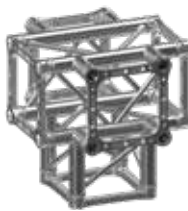
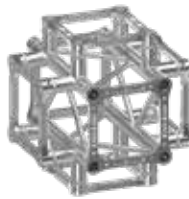


Dado, the multi-way box

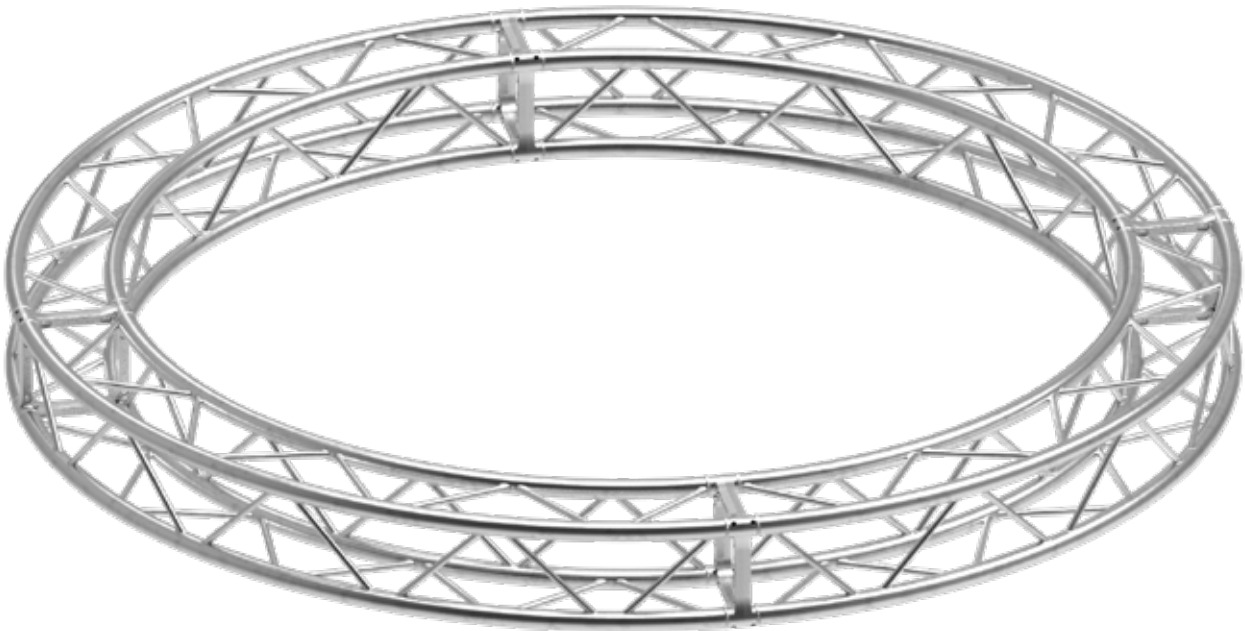
The Litec Dado system is designed for interconnecting flat and square trusses. Its coupling concept allows the creation of 90° angles in any direction, while maintaining the outer dimensions of the truss and ensuring visual continuity. Each truss has its own dedicated Dado model. Each version includes **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		QU30K8	29 × 29 × 29	12.8	
The Dado 6-way box corner (4 nodules) is the simplest and most scalable solution to create corners with up to 6 directions For QX30SA series. Light-Duty version with welded diagonal.				The Dado 6-way box corner (6 nodules) is the simplest and most scalable solution to connect QX30SA. Heavy-Duty version with welded diagonal.			

A wide range of 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.

																																							
<table><tr><td>Code</td><td>W × D × H (cm)</td><td>Kg</td></tr><tr><td>QX30SAL2045</td><td>100 × 100 × 29</td><td>8.5</td></tr><tr><td colspan="3">ST 29 cm square 2 ways 45° corner</td></tr></table>	Code	W × D × H (cm)	Kg	QX30SAL2045	100 × 100 × 29	8.5	ST 29 cm square 2 ways 45° corner			<table><tr><td>Code</td><td>W × D × H (cm)</td><td>Kg</td></tr><tr><td>QX30SAL2060</td><td>100 × 100 × 29</td><td>9.2</td></tr><tr><td colspan="3">ST 29 cm square 2 ways 60° corner</td></tr></table>	Code	W × D × H (cm)	Kg	QX30SAL2060	100 × 100 × 29	9.2	ST 29 cm square 2 ways 60° corner			<table><tr><td>Code</td><td>W × D × H (cm)</td><td>Kg</td></tr><tr><td>QX30SAL2090</td><td>50 × 50 × 29</td><td>5.9</td></tr><tr><td colspan="3">ST 29 cm square 2 ways 90° corner</td></tr></table>	Code	W × D × H (cm)	Kg	QX30SAL2090	50 × 50 × 29	5.9	ST 29 cm square 2 ways 90° corner			<table><tr><td>Code</td><td>W × D × H (cm)</td><td>Kg</td></tr><tr><td>QX30SAL2120</td><td>50 × 50 × 29</td><td>6.9</td></tr><tr><td colspan="3">ST 29 cm square 2 ways 120° ext. vertex</td></tr></table>	Code	W × D × H (cm)	Kg	QX30SAL2120	50 × 50 × 29	6.9	ST 29 cm square 2 ways 120° ext. vertex		
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ST 29 cm. square - Clamp module long																																							

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

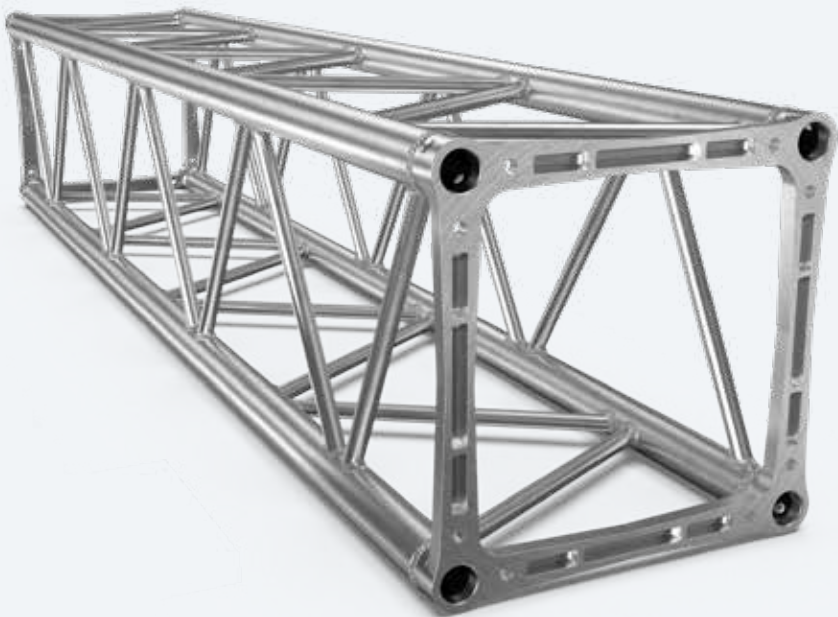
Tool-less Base LT QU2552BFB



- 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.



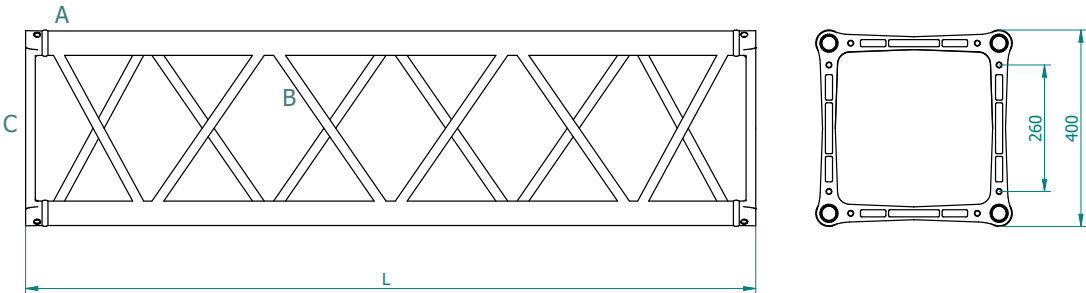
Square truss with 40 cm sides

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)kg
QU40ADP010	40 × 40 × 10	4.4	QX40SA200	40 × 40 × 20016.6
QX40SA025	40 × 40 × 25	5.0	QX40SA250	40 × 40 × 25019.9
QX40SA050	40 × 40 × 50	6.7	QX40SA300	40 × 40 × 30023.2
QX40SA100	40 × 40 × 100	10.0	QX40SA350	40 × 40 × 35026.5
QX40SA150	40 × 40 × 150	13.2	QX40SA400	40 × 40 × 40029.8

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	QCFS	QXFC	QXSM10	QXCFC
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 Light Duty Dado
				
QUKFC				
4 special steel half spigots with screws for Heavy Duty Dado				

Complements

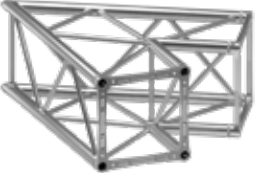
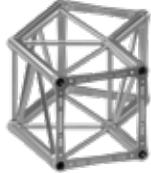
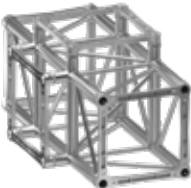
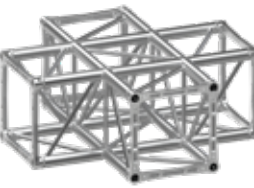
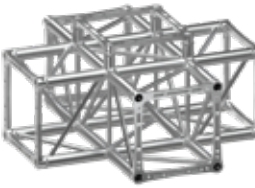
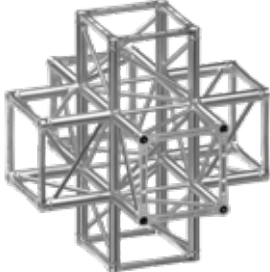
A range of complementary elements is available as standard to help you interface your QX40SA in the best possible way.

				
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
			
QX40SAT4	QX40SAX4	QX40SAX5	QX40SAX6
ST 40 cm square - 4 way tee	ST 40 cm square - 4 way cross	ST 40 cm square - 5 way cross	ST 40 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		
					
FX40C4	QX40C8	FU40K4	QU40K8		
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 (8 nodules) is the simplest and most scalable solution to create corners with up to 6 directions. For QX40SA series. Light-Duty version with welded diagonals.	The Dado 6-way box corner (6 nodules) is the simplest and most scalable solution to connect QX40SA. 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 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

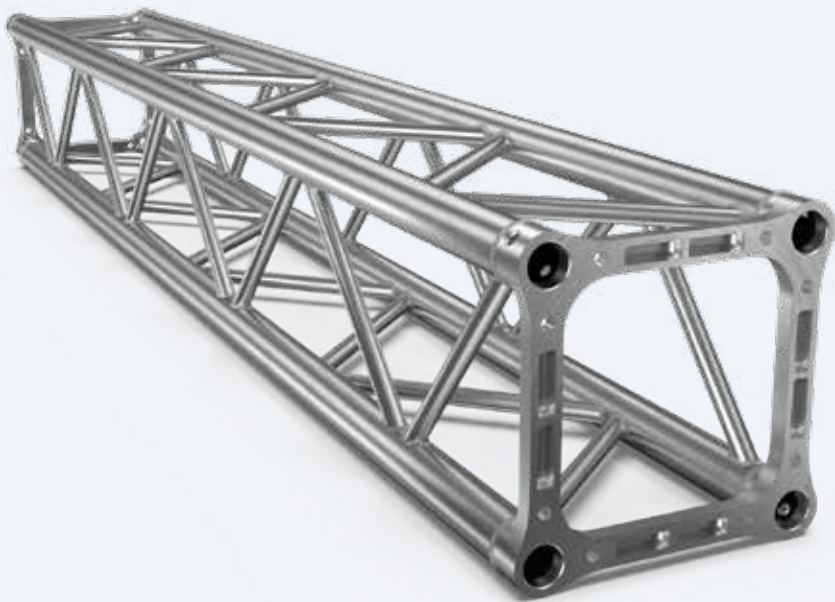
Tool-less Base LT QU2552BFB



- 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

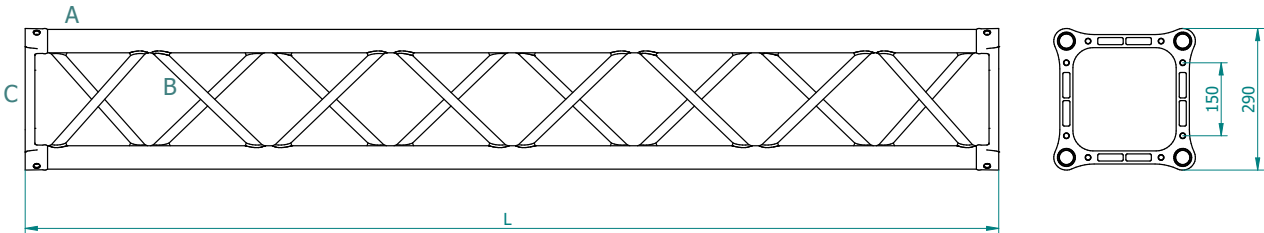
Like all trusses in the “H” series, this model has been developed to enhance performance over the corresponding “X” series.

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	QX30SA150	29 × 29 × 150
QU30ADP019M5	29 × 29 × 19.5	3.6	QX30SA200	29 × 29 × 200
QU30ADP021	29 × 29 × 21	3.7	QX30SA250	29 × 29 × 250
QX30SA025	29 × 29 × 25	4.1	QX30SA300	29 × 29 × 300
QX30SA029	29 × 29 × 29	4.4	QX30SA350	29 × 40 × 350
QX30SA050	29 × 40 × 50	5.7	QX30SA400	29 × 40 × 400
QX30SA100	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

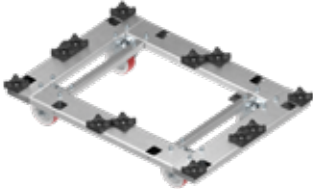
Complements

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 50×50 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 nodules) is the simplest and most scalable solution to connect QH30SA.

Heavy-Duty version with welded diagonal.

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

The Dado 6-way box corner (8 nodules) is the simplest and most scalable solution to create corners with up to 6 directions.

For QH30SA series.

Heavy-duty version with welded diagonals.

Compact bases

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

Ballast Support Base QU2530SBB



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

Tool-less Base LT QU2530BF



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

Tool-less Base LT QU2552BFB



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

Tool-less Base LT QU2552BFB

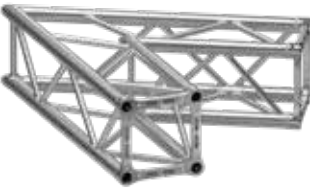


- Lightweight, compact solution for indoor use.
- Compatible with all standard **25/30/40-QL40/QL52 square trusses**
- Self-adjusting design
- Designed to accommodate standard concrete blocks (50 ×50 ×5 cm, approx. 18 kg each), not supplied by LITEC

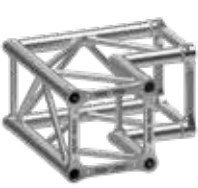


The use of these bases must always be considered within a safety context, including indoor applications. Any structure installed on these bases must be assessed by qualified personnel for the relevant declaration of correct installation.

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.



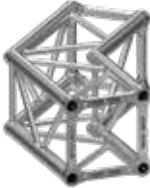
Code	W × D × H (cm)	Kg
QH30SAL2060	100 × 100 × 29	12.1
ST 29 cm square 2 ways 60° corner		



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		



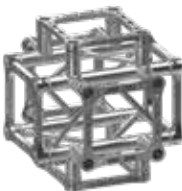
Code	W × D × H (cm)	Kg
QH30SAT4	50 × 50 × 50	11.1
ST29 cm square 4 way tee		



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		

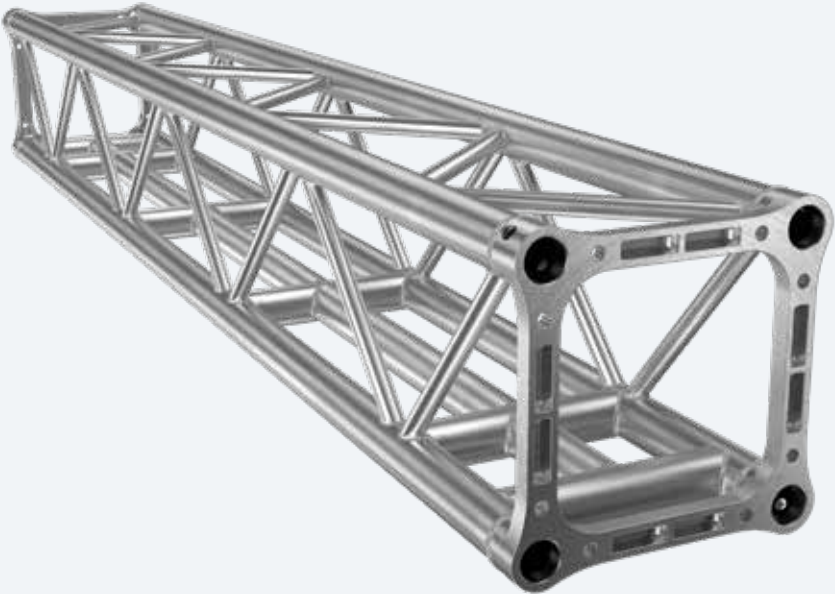
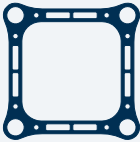


Code	W × D × H (cm)	Kg
QU30BHH	100 × 32 × 40	20
Truss Hinge 29 cm square		



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.

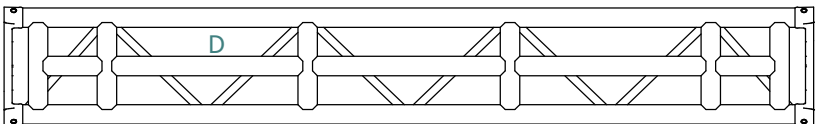
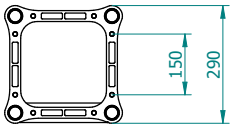
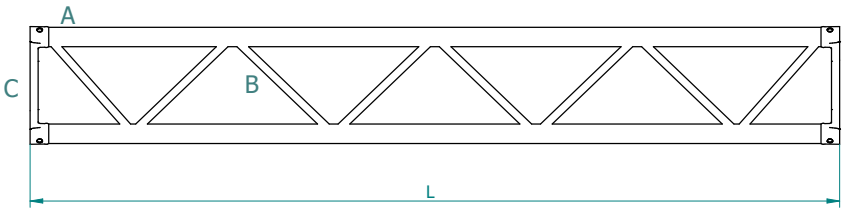
The ready-made solution for suspending LED walls, lighting fixtures, and scenic rigs.

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.

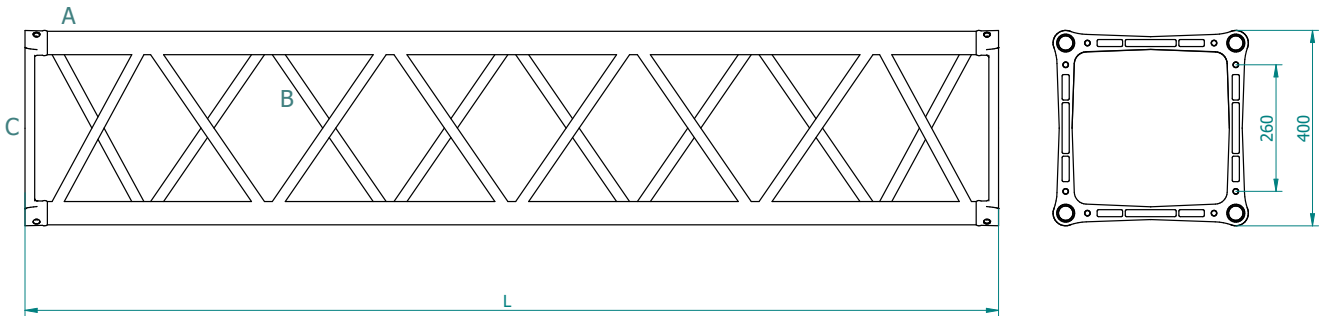
Commonly used for exhibition areas and in all applications where higher performance and solid load-bearing capabilities are required.

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

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

LINEAR ELEMENTS				
Code	W × H × D (cm)	kg	Code	W × H × D (cm) kg
QU40ADP010	40 × 40 × 10	4.5	QH40SA200	40 × 40 × 200 17.2
QH40SA025	40 × 40 × 25	5.6	QH40SA250	40 × 40 × 250 20.7
QH40SA050	40 × 40 × 50	7.4	QH40SA300	40 × 40 × 300 23.8
QH40SA100	40 × 40 × 100	10.5	QH40SA350	40 × 40 × 350 27.5
QH40SA150	40 × 40 × 150	14.1	QH40SA400	40 × 40 × 400 30.8

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 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

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	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 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

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



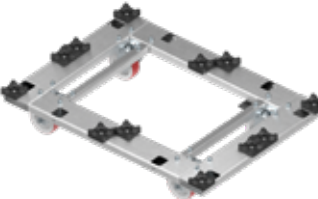
C029-40

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

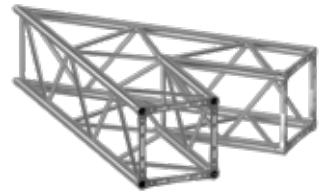


- Lightweight, compact solution for indoor use.
- Compatible with all standard **25/30/40-QL40/QL52 square trusses**
- Self-adjusting design
- Designed to accommodate standard concrete blocks
- (50 x50 x5 cm, approx. 18 kg each), not supplied by LITEC



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.

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		



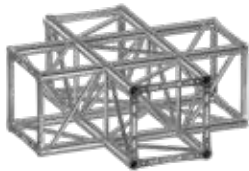
Code	W × D × H (cm)	Kg
QH40SAL3	50 × 50 × 50	11.9
ST 40 cm square 3 way corner		



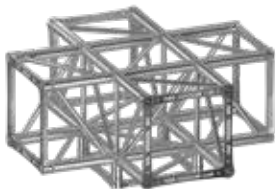
Code	W × D × H (cm)	Kg
QH40SAT3	50 × 50 × 40	15
ST 40 cm square 3 way tee		



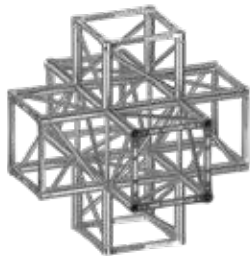
Code	W × D × H (cm)	Kg
QH40SAT4	50 × 50 × 50	17.5
ST 40 cm square 4 way tee		



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		

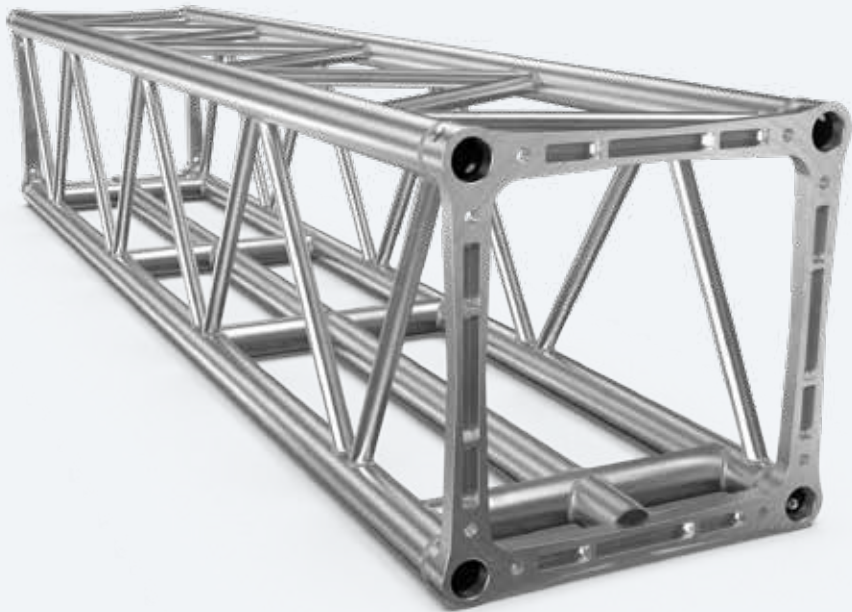
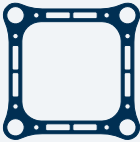


Code	W × D × H (cm)	Kg
QH40SAX6	100 × 100 × 100	28.3
ST 40 cm. square 6 way cross		



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.

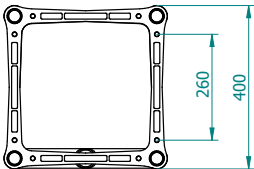
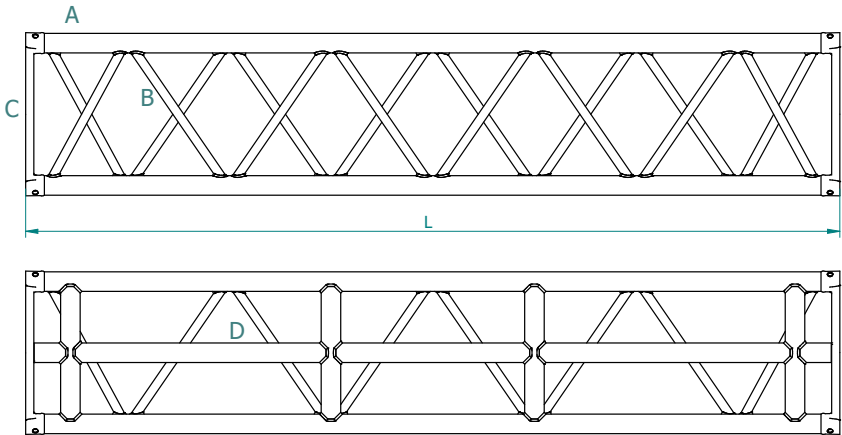
The ready-made solution for suspending LED walls, lighting fixtures, and scenic rigs.

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

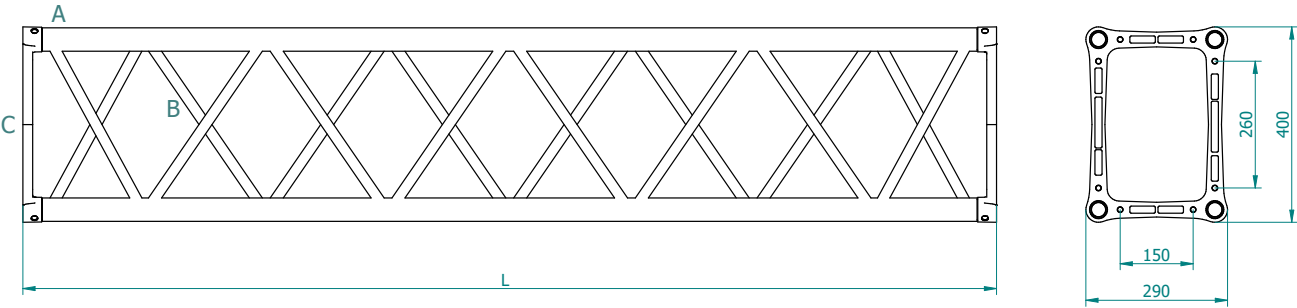
The only plated rectangular truss in the Litec range, designed to maximise load-bearing capacity through its 40 cm main side, while the reduced 29 cm width ensures greater compactness.

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

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

LINEAR ELEMENTS							
Code		W × H × D (cm)	kg	Code		W × H × D (cm)	kg
RH40DP010		29 × 40 × 10	4.4	RH40SA200		29 × 40 × 200	16.6
RH40SA025		29 × 40 × 25	5.0	RH40SA250		29 × 40 × 250	19.9
RH40SA050		29 × 40 × 50	6.7	RH40SA300		29 × 40 × 300	23.2
RH40SA100		29 × 40 × 100	10.0	RH40SA350		29 × 40 × 350	26.5
RH40SA150		29 × 40 × 150	13.2	RH40SA400		29 × 40 × 400	29.8

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	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.

Connections

End Plated Truss **RH40SA**

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.

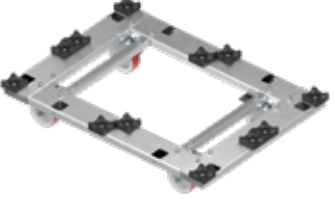
				
KSG	KCP	KSP	K370	KSFH
Aluminium spigot, set of 10	R-spring, set of 100	Steel Pin, set of 10	Half truss spigot + 1 steel pin + 1 R-spring (not for Dado)	Threaded pin, set of 12
				
KCFS	QXFC	QXSM10	QXCFC	QUKFC
Kit for vert. connection incl. bolts, spigots and accessories	Quick connection set	Bolt connection 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 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		

END PLATED TRUSS
RH40SA

			
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

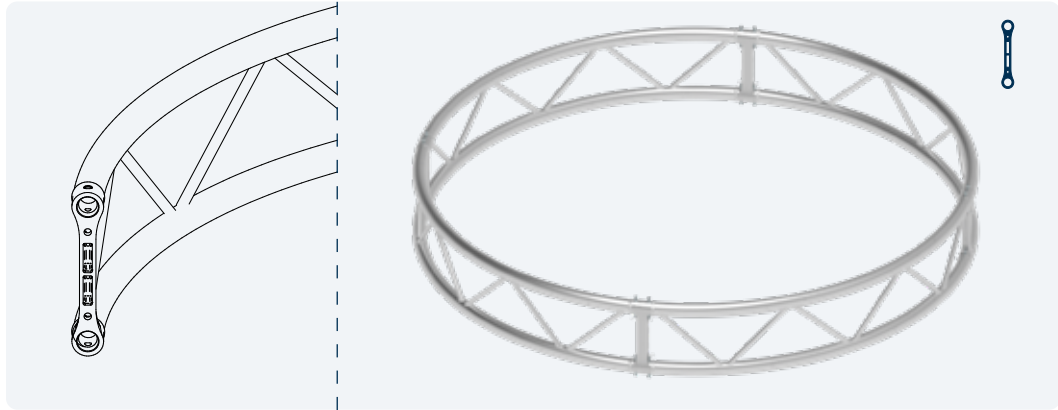
Circles

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

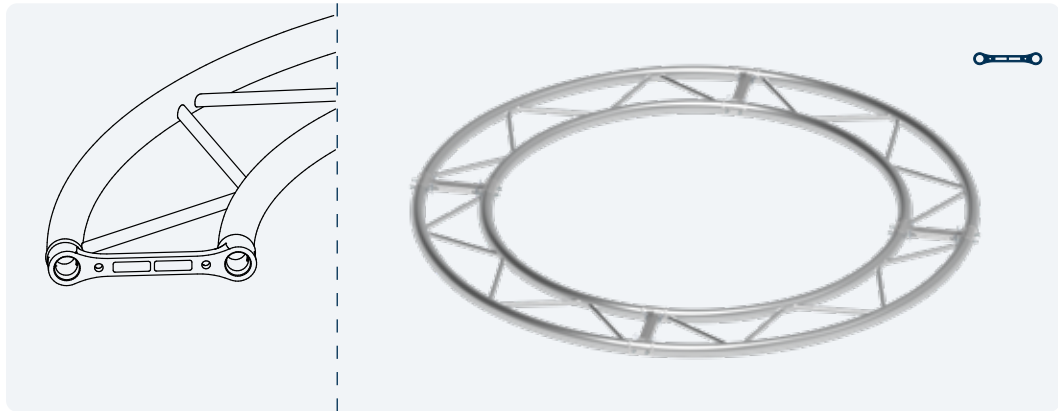
Within these parameters, virtually any variation can be produced to support your project's unique geometry.



FV

Vertical flat truss
Available in:

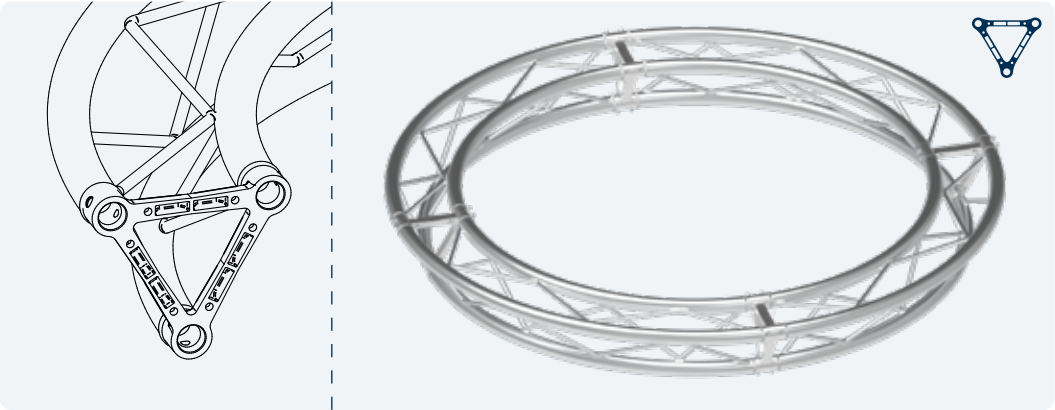
- FX25SA
- FX30SA



FP

Horizontal flat truss
Available in:

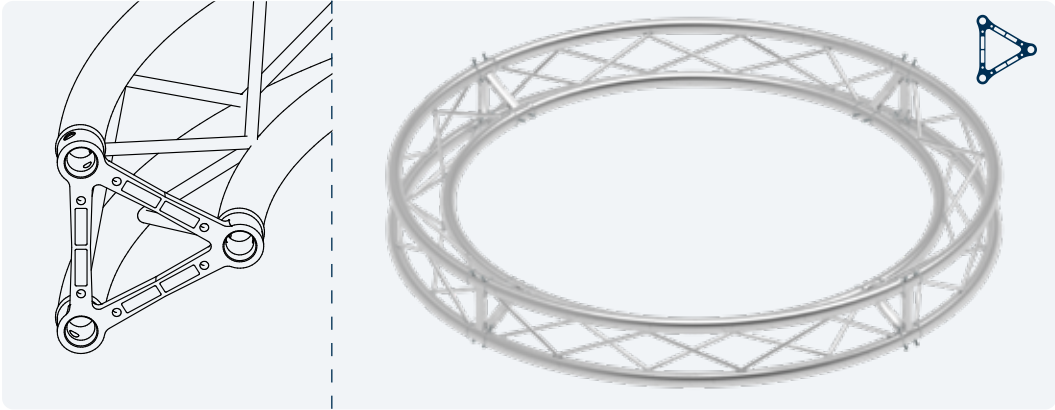
- FX25SA
- FX30SA



T

Triangular truss
with vertex on top
Available in:

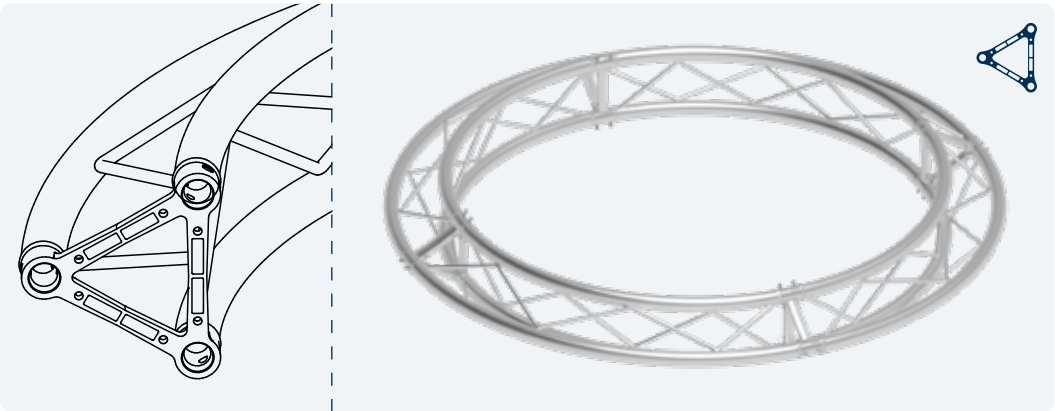
- TX25SA
- TX30SA
- TH30SA



TI

Triangular truss
with internal vertex
Available in:

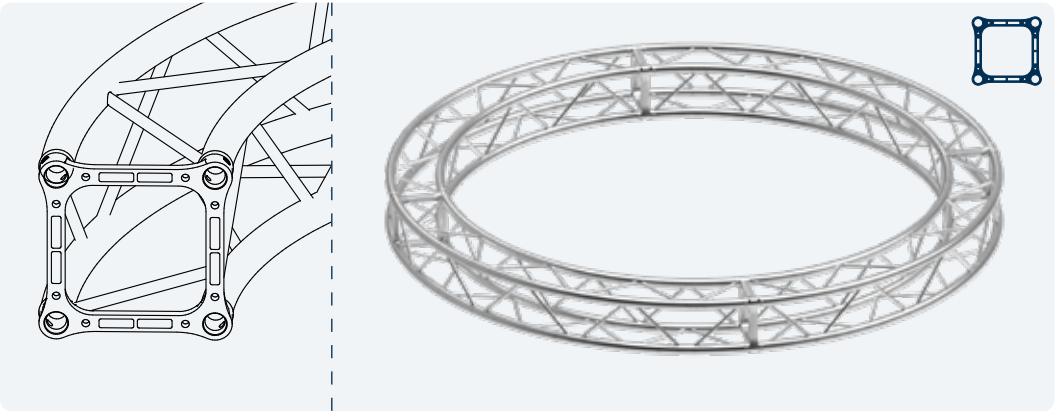
- TX25SA
- TX30SA
- TH30SA



TE

Triangular truss
with external vertex
Available in:

- TX25SA
- TX30SA
- TH30SA



Q

Square truss
Available in:

- QX25SA
- QX30SA
- QX40SA
- QH30SA
- QH40SA



END PLATED TRUSS

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.



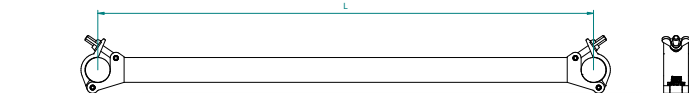
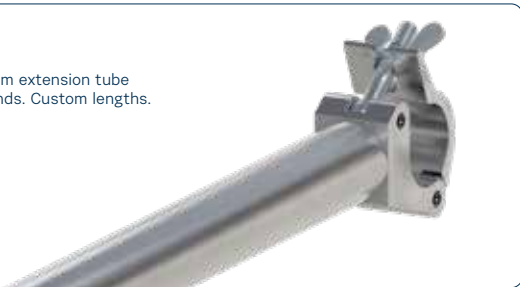
RAT

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



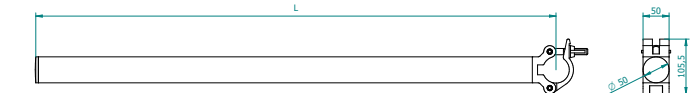
RAHC

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

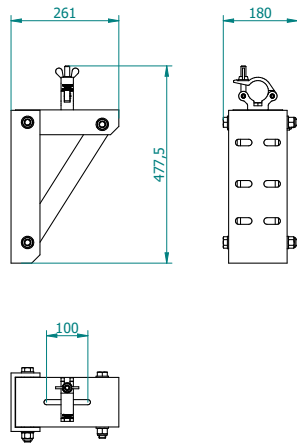
Ø50 mm aluminium extension tube with round fork ends. Custom lengths



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

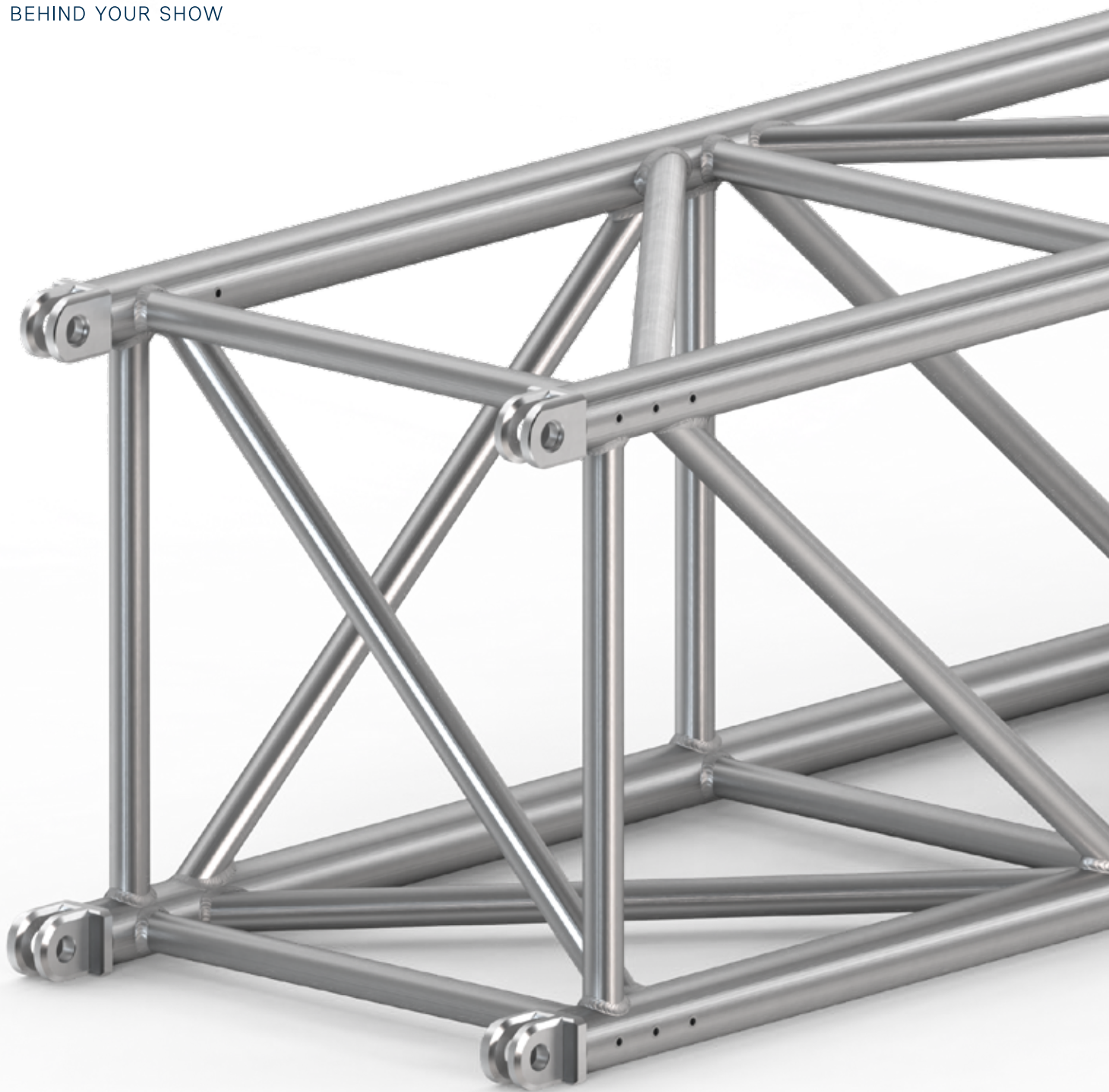
WEIGHT: 430g

SIZE: 53-63 mm adjustable

MATERIAL: PP - Polypropylene

COLOR: BLACK





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FORK TRUSS

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High-Load Aluminium Structures for Demanding Applications

The growing demand for high load aluminium structures with extended spans has led to an expanded range of models featuring fork-end connections.

When your event calls for top-level performance, LITEC provides the most suitable structure for the job.

Designed to deliver strength and long-term durability, these trusses are ideal as structural components in grids, heavy-duty beams, or ground-support towers.

For specific applications such as ground-support towers, delay towers and roofing systems, please refer to the dedicated catalogues listed on the back cover.

FORK Series

Aluminium Truss

Fork Trusses, Engineered for Performance

Fork connections have long been one of the most widely used solutions for joining trusses.

To combine the lightness of aluminium with the high performance of fork connection systems, the forks are secured to the chords using steel spring pins. *(Only the circles with aluminium forks remain welded.)*

This design choice has allowed our engineers to overcome the limitations of welding, making it possible to use different materials.

From the well-known **AW-6082 T6 aluminium**, to the higher-strength **AW-7003 T6 aluminium**, each truss is built with forks made from the most suitable materials, selected according to the function of each component.

Aluminium trusses with fork connections are available in various models, made from different alloys depending on structural requirements.

Each truss is designed according to its specific application, using the most appropriate geometries and materials to ensure maximum performance.

The world of LITEC fork trusses is broad and versatile, reflecting the wide range of structural challenges we face every day. Shapes, materials and solutions are engineered to provide the most effective technical response - always ensuring the right balance of efficiency, performance and reliability.

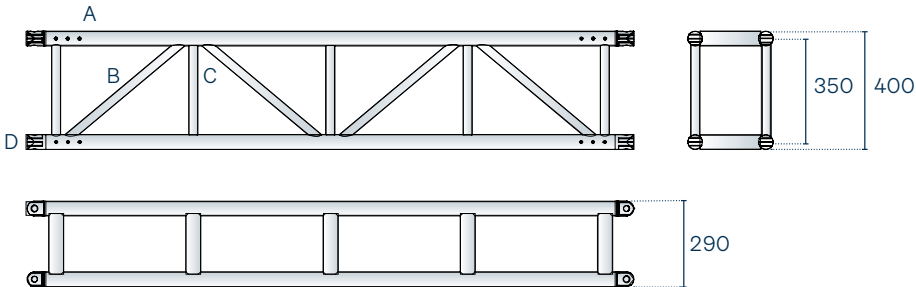


High Load 40 x 29 cm rectangular-section aluminium truss.

It is the most compact truss of the High Load series with a fork connection. Suitable for quite long spans, it keeps an optimum ratio between maximum load and truss deflection. The horizontally-aligned fork ends allow the truss to be used with only minimal accessories to build grid structures.

LINEAR ELEMENTS				
Code	W × H × D (cm)	kg	Code	W × H × D (cm) kg
RF40100	40 × 29 × 100	13.2	RF40300	40 × 29 × 300 20.0
RF40200	40 × 29 × 200	16.8	RF40400	40 × 29 × 400 23.2

Chords A	Diagonals B	Braces C	Ends D	Connection systems
Extruded tube Ø 50 × 3 mm EN AW – 6082 T6	Extruded tube Ø 30 × 3 mm EN AW – 6082 T6	Extruded tube Ø 30 × 3 mm EN AW – 6082 T6	Aluminium Fork Connector EN AW – 6082 T6	KHLP: cylindrical pin + safety R-clip



Load table / Fork 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
3	1928	5785	5	2524	2524	4	1593	3186	4	1222	3665	4	1009	4038	5
4	1257	5029	11	2084	2084	7	1351	2702	8	1059	3176	9	887	3549	9
5	852	4262	18	1770	1770	12	1171	2343	14	932	2797	15	771	3084	16
6	616	3696	28	1537	1537	18	1032	2065	21	832	2496	24	666	2662	24
7	458	3205	38	1356	1356	26	920	1840	30	750	2250	34	585	2340	34
8	353	2822	50	1211	1211	35	830	1659	41	667	2000	45	519	2077	45
9	279	2515	64	1090	1090	45	754	1508	53	595	1786	58	467	1867	58
10	226	2264	80	990	990	57	690	1380	67	537	1610	73	423	1692	73
11	187	2054	98	905	905	70	634	1269	83	487	1462	88	386	1543	89
12	156	1875	117	832	832	85	586	1172	101	445	1336	106	354	1416	107
13	132	1721	138	768	768	101	544	1088	120	409	1227	125	326	1305	127
14	113	1586	160	711	711	119	505	1010	141	377	1131	146	302	1207	149
15	98	1467	185	660	660	138	471	942	164	349	1047	169	280	1120	172
16	85	1361	211	615	615	158	440	881	188	324	972	193	261	1042	197
17	74	1266	239	574	574	180	413	825	215	301	904	218	243	972	223
18	66	1180	268	536	536	204	387	774	243	281	843	246	227	908	252
19	58	1099	299	502	502	230	364	727	273	263	788	275	212	850	282
20	51	1026	331	471	471	257	342	684	305	245	736	306	199	796	314

Cantilever load table / Fork connection

span	Unif. distributed load			Centre point load	
	Point load	Full load	mm	Point load	mm
[m]	[kg/m]	[kg]	mm	[kg]	mm
1	2165	2165	1	1593	1
2	790	1581	4	1035	7
3	413	1238	11	762	18
4	252	1010	22	598	34
5	169	846	36	488	55
6	120	722	55	408	81
7	89	624	77	348	111

Axial load table

span	Axial load
	[kg/m]
[m]	[kg/m]
3	17392
6	8148
9	3852
12	2222
15	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.

The fork connection is secured by a 20 mm steel pin. In specific cases, bolts with nuts or bolts with lifting eyes can be used. A range of adapters with different fork orientations is also available to optimise special configurations.

KHLP 20 mm Cylindrical pin + 3 mm safety R-clip	KHLB M20 screw bolt + spring washer	KHLD M20 screw nut + spring washer	KHLF Threaded female fork connector + spring washer	KHLG M20 Lifting Eye
KHLM Male fork connector complete	KHL180A 180° double fork aluminum connector	KHL180S 180° double fork steel connector	KHL90LA 90° double fork alum. connector, left	KHL90LS 90° double fork steel connector, left
KHL90RA 90° double fork alum. connector, right	KHL90RS 90° double fork steel connector, right			

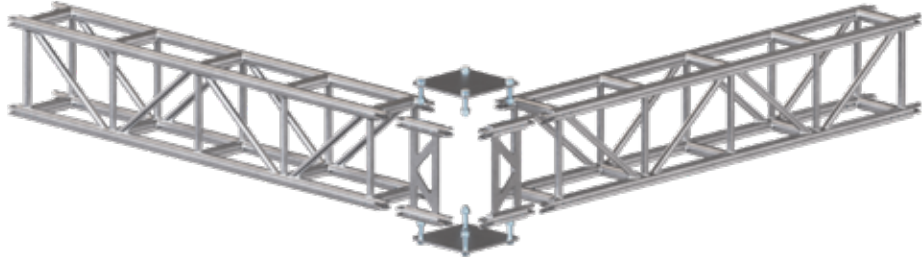
Complements

CBT3040 2 points Bridle Hook for 29/40 cm truss	CBQ3040 4 points Bridle Hook for 29/40 cm truss	CS029-40 Ceiling support for 30-40 truss series – silver	C030 Bar hook for 29 cm. truss
KF30P3030 Plate for 90° corner incl. Bolts	FF40023M9P Heavy Load 40 Gate - 23.9 cm	KF30L2135 Kit for 135° corner	

By using the appropriate complements, angles at various degrees can be achieved.

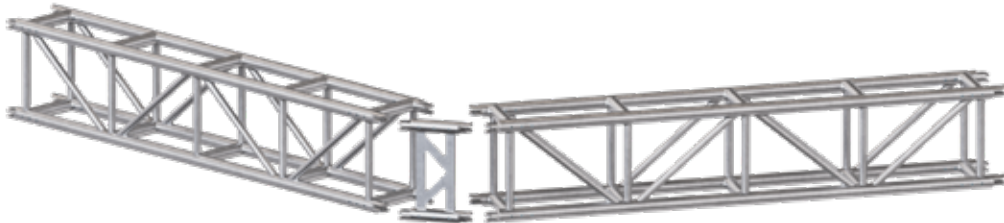
2-Way Corner 90°

KF30P3030



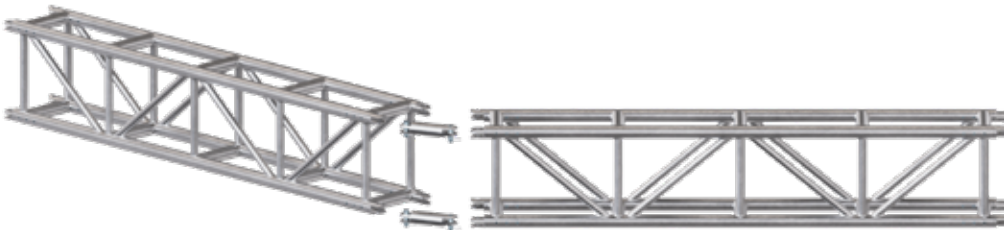
2-Way Corner 120°

FF40023M9P

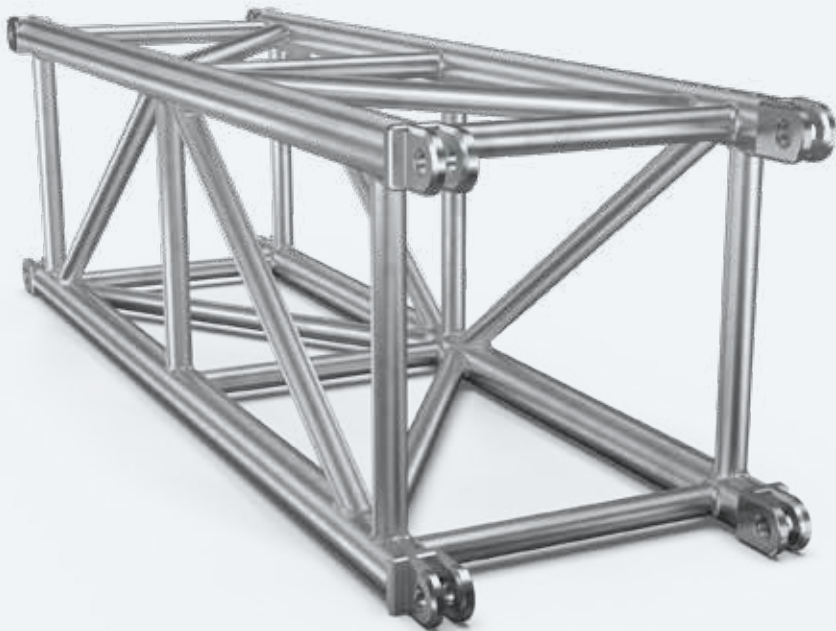


2-Way Corner 135°

KF30L2135



The drawings shown on these pages are intended as examples of possible configurations between trusses and selected accessories. Many other combinations are possible, including the development of custom accessories when required by specific project needs.

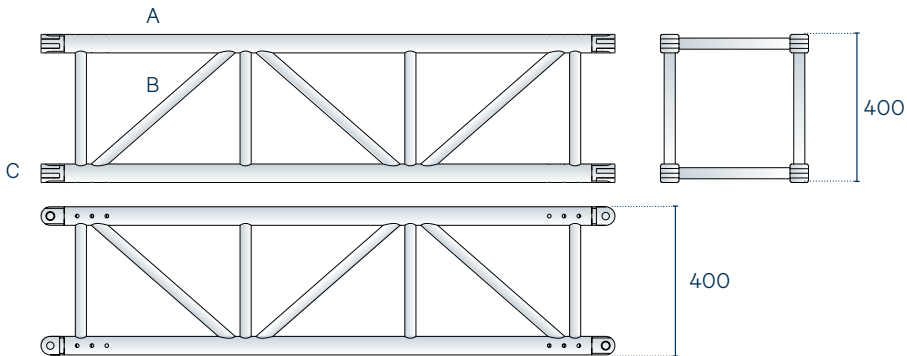


Square section High Load aluminium truss with 40 cm long sides.

It is diagonalized on all faces and is provided with an aluminium fork connection. This guarantees excellent rigidity and elevated resistance in both horizontal and vertical applications despite its reduced section.

LINEAR ELEMENTS					
Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
QL40100A	40 × 40 × 100	14.70	QL40200A	40 × 40 × 200	25.30
QL40130A	40 × 40 × 130	17.50	QL40300A	40 × 40 × 300	36.20

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Extruded tube Ø 30 × 3 mm EN AW – 6082 T6	Aluminium Fork Connector EN AW – 6082 T6	KHLP: cylindrical pin + safety R-clip



Load table / Fork 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
3	1673	5018	3	3238	3238	4	2080	4161	4	1624	4871	4	1255	5018	4
4	1252	5007	8	2643	2643	7	1742	3484	8	1383	4149	9	1154	4615	9
5	999	4995	16	2230	2230	12	1497	2993	13	1206	3618	15	966	3862	15
6	742	4454	25	1926	1926	17	1310	2620	20	1068	3203	23	830	3320	23
7	542	3796	34	1692	1692	25	1163	2326	29	930	2789	32	726	2904	32
8	412	3300	45	1505	1505	33	1044	2088	39	819	2457	42	644	2576	42
9	323	2911	56	1353	1353	42	945	1889	50	728	2183	54	578	2310	54
10	260	2598	70	1227	1227	53	862	1724	63	650	1949	66	522	2087	68
11	213	2340	84	1119	1119	66	791	1582	78	585	1755	80	475	1902	83
12	177	2122	101	1027	1027	79	729	1459	95	531	1592	96	436	1742	100
13	149	1937	118	946	946	94	675	1350	113	484	1453	113	401	1604	118
14	127	1776	137	875	875	111	627	1254	133	444	1332	131	370	1480	138
15	109	1635	158	812	812	129	584	1169	154	409	1226	151	341	1363	159
16	94	1510	180	755	755	148	546	1091	177	378	1133	172	315	1259	181
17	82	1399	203	700	700	168	511	1021	202	350	1049	194	291	1166	205
18	72	1299	228	649	649	189	478	956	229	325	974	218	271	1082	230
19	64	1208	255	604	604	212	449	897	257	302	906	244	252	1006	256
20	56	1125	283	562	562	237	422	843	288	281	844	271	234	937	284

Cantilever load table / Fork 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
0.5	5042	2521	0	2521	0
1.0	2515	2515	1	2081	1
1.5	1619	2429	2	1613	4
2.0	1033	2066	4	1315	7
2.5	720	1799	7	1108	11
3.0	530	1590	11	955	17
3.5	406	1422	15	838	24
4.0	321	1284	21	745	32

Axial load table

span	Axial load	
	Point load	Central deflection
[m]	[kg]	[kg]
2	18054	17392
4	16913	9701
6	14903	5359
8	12244	
10	9631	
12	7507	
14	5898	
16	4696	

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.

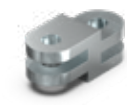
The self weight of the truss has been taken into account when calculating the values in the table. It should be noted that this are idealised loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

Connections

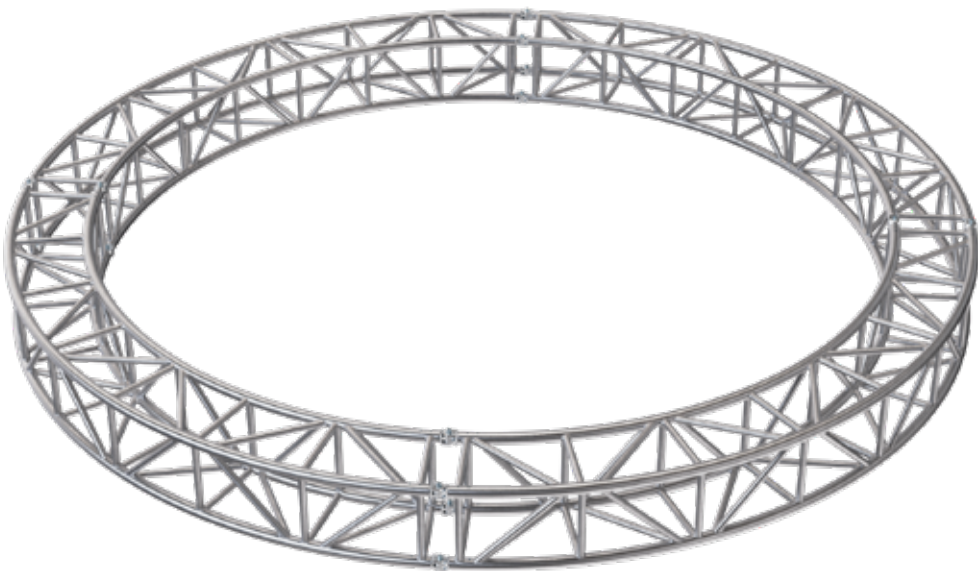
FORK Truss **QL40A**



The fork connection is secured by a 20 mm steel pin. In specific cases, bolts with nuts or bolts with lifting eyes can be used. A range of adapters with different fork orientations is also available to optimise special configurations.

 KHLP 20 mm Cylindrical pin + 3 mm safety R-clip	 KHLB M20 screw bolt + spring washer	 KHLD M20 screw nut + spring washer	 KHLF Threaded female fork connector + spring washer	 KHLG M20 Lifting Eye
 KHLM Male fork connector complete	 KHL180A 180° double fork aluminum connector	 KHL180S 180° double fork steel connector	 KHL90LA 90° double fork alum. connector, left	 KHL90LS 90° double fork steel connector, left
 KHL90RA 90° double fork alum. connector, right	 KHL90RS 90° double fork steel connector, right			

Circles



Custom Curved Structures

Curves, ellipses and circular shapes can be created in any size. As these are generally custom-made, support from our technical department is required for project engineering.

Gates

FORK TRUSS
QL40A

 FL40035P HL 40 cm flat - 35 cm	 FL40049M5P HL 40 cm flat - 49.5 cm	 FL40047HS HL40 cm flat - 47 cm gate w/hoist support	 FL40047PH HL40 cm flat - 47 cm gate w/forks
 QL40X4C - HL40 4 ways compact corner	 QL40X6C - HL4 6 ways compact corner		
 MTC30D - MT30 lower frame w/wheels	 MTC30G - MT30 upper frame w/wheels & eye bolts		

Accessories

 C040 Bar hook for 40 cm. truss	 FP40Z1 Universal 40 cm truss floor plate
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Corner Configurations

FORK Truss **QL40A**

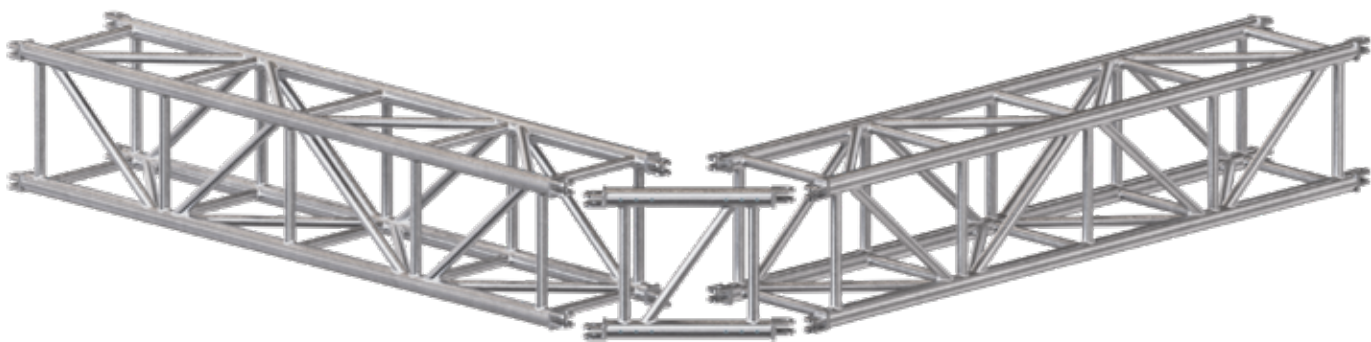


FORK TRUSS
QL40A

By using the appropriate complements, angles at various degrees can be achieved.

2-Way Corner 90°

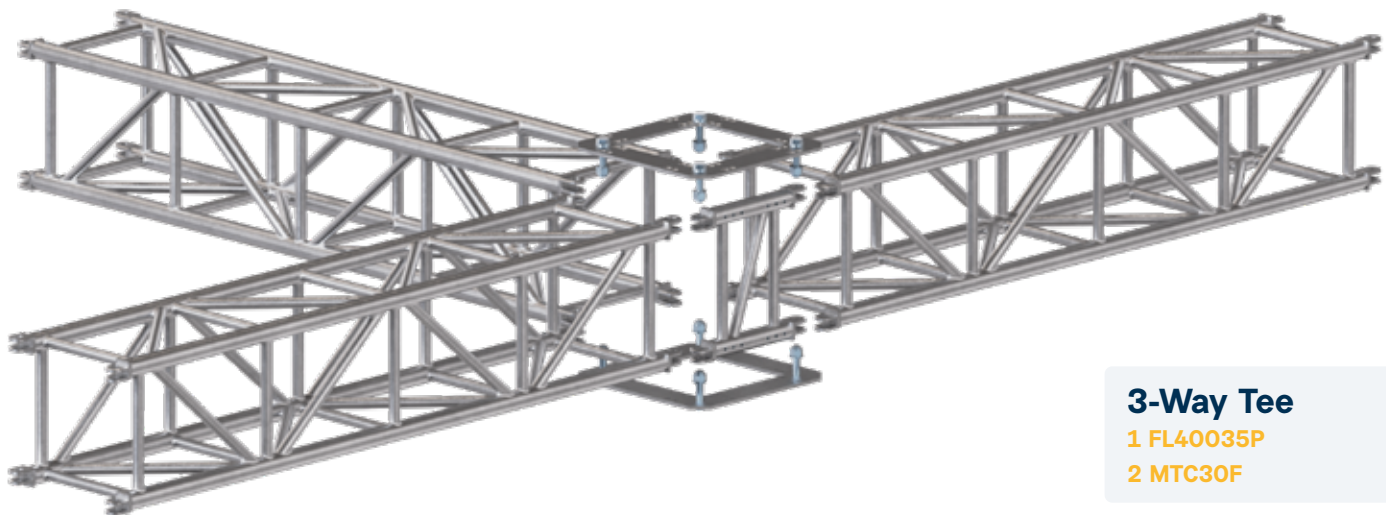
1 FL40049M5P



Sleeve Block on QH30SA

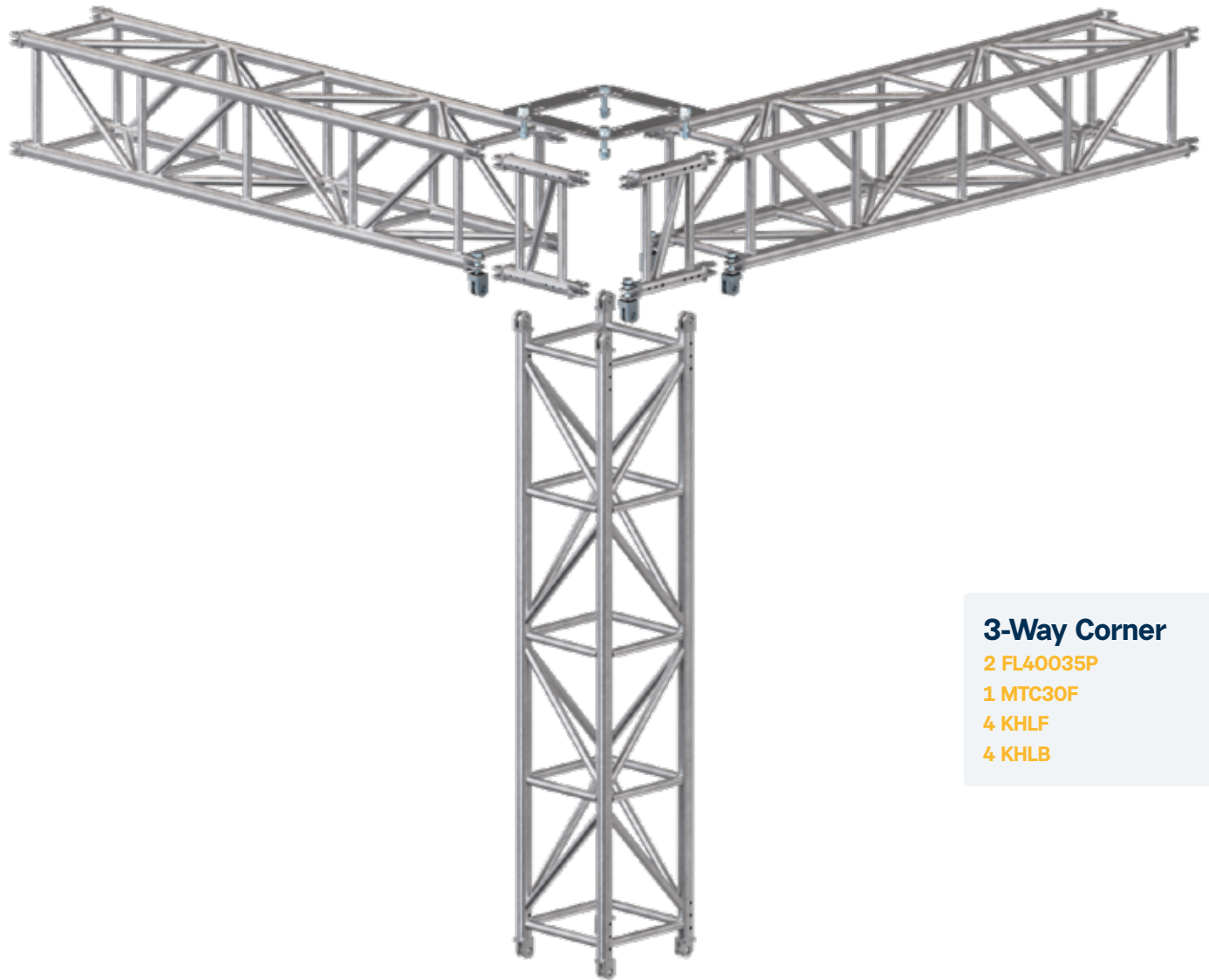
2 FL40035P
2 MTC30D (or MT30G)

The drawings shown on these pages are intended as examples of possible configurations between trusses and selected accessories. Many other combinations are possible, including the development of custom accessories when required by specific project needs.



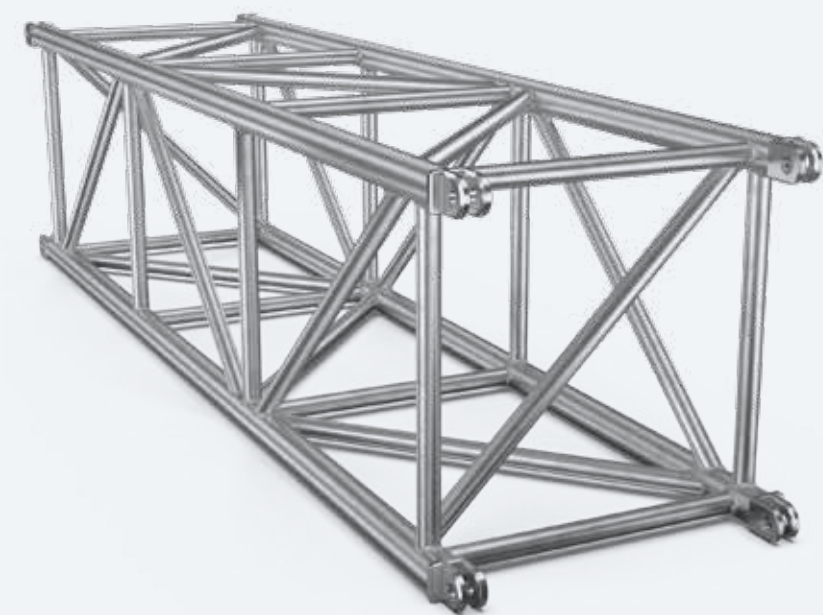
3-Way Tee

1 FL40035P
2 MTC30F



3-Way Corner

2 FL40035P
1 MTC30F
4 KHLF
4 KHLB

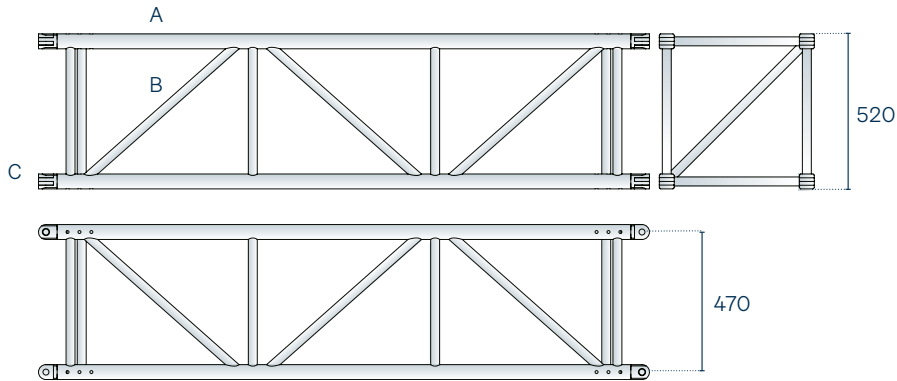


Square-section High-Load aluminium truss with 52 cm sides.

It is diagonalized on all faces and is provided with an aluminium fork connection. It shows great versatility in use both as a tower (Maxitower 52) and as a span.

LINEAR ELEMENTS				
Code	W × H × D (cm)	kg	Code	W × H × D (cm)
QL52050A	52 × 52 × 50	12.30	QL52200A	52 × 52 × 200
QL52100A	52 × 52 × 100	16.70	QL52250A	52 × 52 × 250
QL52130A	52 × 52 × 130	19.20	QL52300A	52 × 52 × 300

Chords A	Diagonals B	Ends C	Connection systems
Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Extruded tube Ø 30 × 3 mm EN AW – 6082 T6	Aluminium Fork Connector EN AW – 6082 T6	KHLP: cylindrical pin + safety R-clip



Load table / Fork 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
3	1432	4296	2	3905	3905	2	2148	4296	2	1432	4296	2	1074	4296	2
4	1071	4285	4	3248	3248	5	2087	4174	5	1428	4285	5	1071	4285	5
5	855	4273	8	2779	2779	8	1820	3641	9	1424	4273	10	1068	4273	9
6	710	4262	13	2426	2426	12	1613	3226	14	1291	3872	15	1055	4219	16
7	607	4250	21	2150	2150	17	1447	2893	20	1169	3507	22	930	3721	22
8	523	4186	31	1927	1927	23	1310	2620	27	1046	3139	30	831	3323	30
9	386	3473	37	1736	1736	30	1196	2391	35	868	2605	35	723	2894	37
10	312	3124	46	1562	1562	37	1098	2196	44	781	2343	44	651	2603	47
11	256	2815	56	1407	1407	45	1014	2028	55	704	2111	53	586	2346	56
12	213	2554	67	1277	1277	54	941	1881	67	638	1915	63	532	2128	67
13	179	2333	78	1166	1166	64	875	1749	80	583	1749	74	486	1944	79
14	153	2139	90	1069	1069	74	802	1604	92	535	1604	86	446	1782	91
15	131	1969	104	984	984	85	738	1476	106	492	1476	99	410	1640	105
16	114	1818	118	909	909	97	682	1364	120	455	1364	113	379	1515	119
17	99	1684	133	842	842	109	631	1263	136	421	1263	127	351	1403	134
18	87	1563	149	781	781	123	586	1172	152	391	1172	142	326	1302	150
19	76	1453	166	727	727	137	545	1090	169	363	1090	159	303	1211	167
20	68	1354	183	677	677	153	508	1015	187	338	1015	176	282	1128	185
21	60	1262	202	631	631	169	473	946	206	315	946	194	263	1052	203
22	54	1178	221	589	589	186	442	883	225	294	883	212	245	981	223

Cantilever load table / Fork 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
0.5	4319	2160	0	2160	0
1.0	2154	2154	0	2154	1
1.5	1432	2148	1	1947	2
2.0	1071	2142	2	1617	5
2.5	855	2137	5	1381	8
3.0	641	1924	7	1204	12
3.5	497	1740	10	1066	17
4.0	396	1586	14	954	23

Axial load table

span	Axial load	
	Point load	Full load
[m]	[kg]	[kg]
3	17713	15145
5	16850	10342
10	12720	
12	10729	
14	8930	
16	7418	
18	6186	
20	5191	

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

FORK Truss **QL52A**

The fork connection is secured by a 20 mm steel pin. In specific cases, bolts with nuts or bolts with lifting eyes can be used. A range of adapters with different fork orientations is also available to optimise special configurations.



KHLP
20 mm Cylindrical pin
+ 3 mm safety R-clip



KHLB
M20 screw bolt
+ spring washer



KHLD
M20 screw nut
+ spring washer



KHLF
Threaded female fork
connector + spring washer



KHLG
M20 Lifting Eye



KHLM
Male fork
connector complete



KHL180A
180° double fork aluminum
connector



KHL180S
180° double fork
steel connector



KHL90LA
90° double fork
alum. connector, left



KHL90LS
90° double fork steel
connector, left

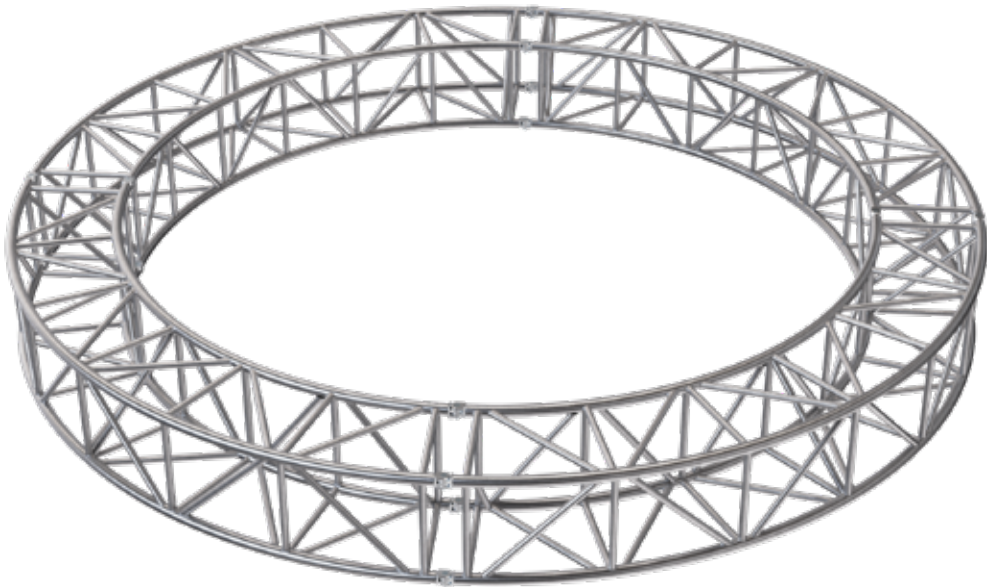


KHL90RA
90° double fork alum.
connector, right



KHL90RS
90° double fork steel
connector, right

Circles



Custom Curved Structures

Curves, ellipses and circular shapes can be created in any size. As these are generally custom-made, support from our technical department is required for project engineering.

Gates

FORK TRUSS
QL52A



FL52047P
HL 52 cm flat - 47 cm



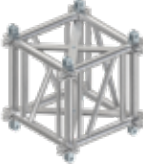
FL52066M5P
HL 52 cm flat - 66.5 cm



FL52047HS
HL52 cm flat - 47 cm gate w/hoist support



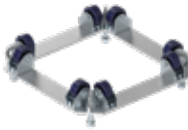
FL52059PH
HL52 cm flat - 59 cm gate w/forks



QL52X6C
HL 52 - 6 ways compact corner



FL52047HSZ1
Hoist support



MTC40G
Upper frame MT40, w/ wheels and eye bolts



MTC40D
Lower frame MT40, w/ wheels



MTC40F
Square frame with bolts

Accessories



C052D
Bar hook for 52 cm truss



FP52Z1
Universal 52 cm truss floor plate



Corner Configurations

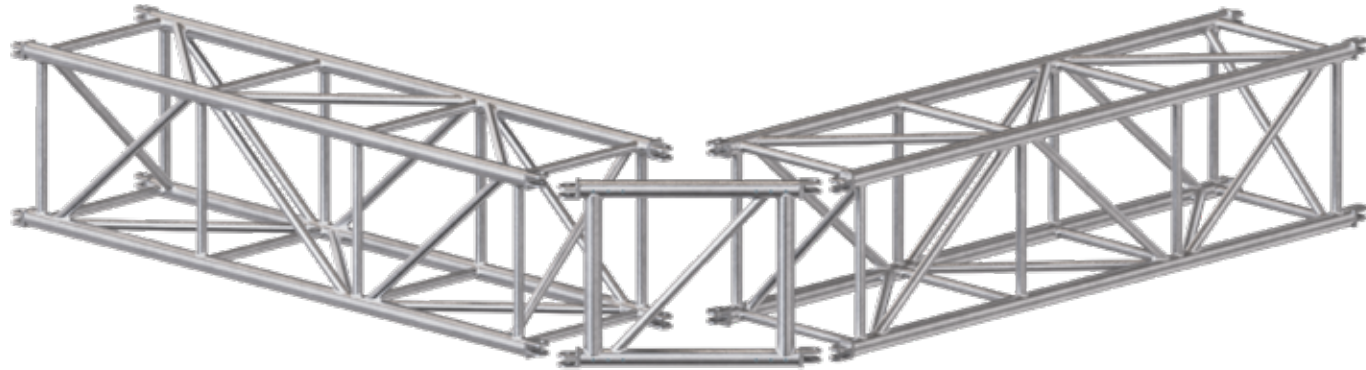
FORK Truss **QL52A**



By using the appropriate complements, angles at various degrees can be achieved.

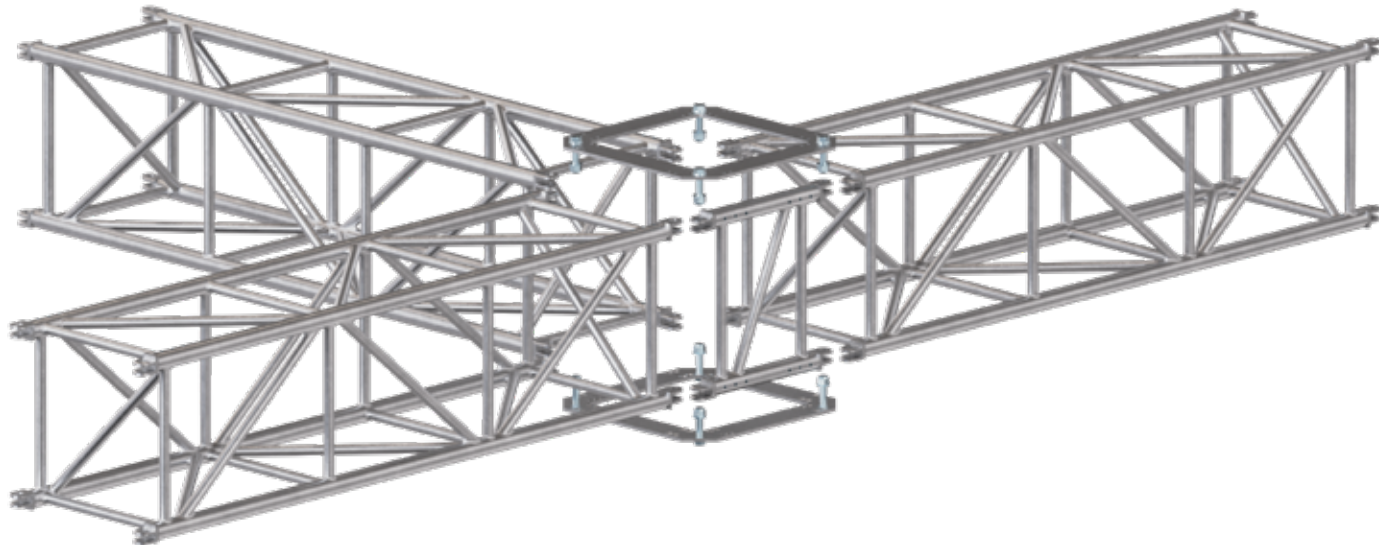
2-Way corner 90°

1 FL52066M5P



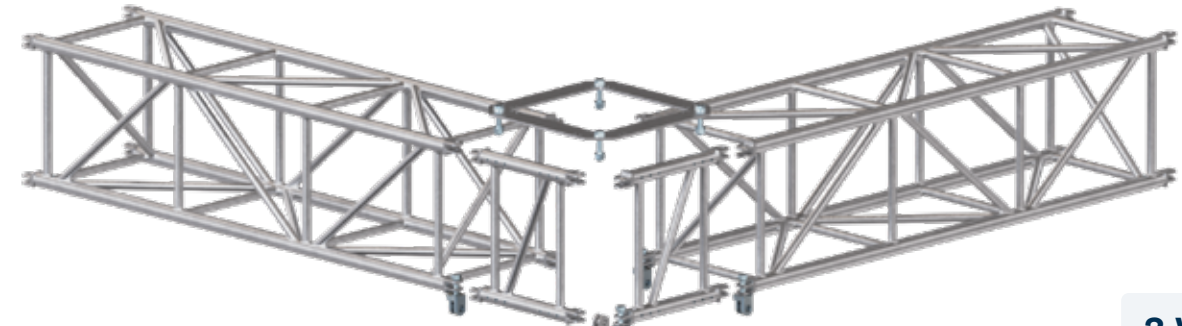
3-Way Tee

1 FL52047P
2 MTC52F



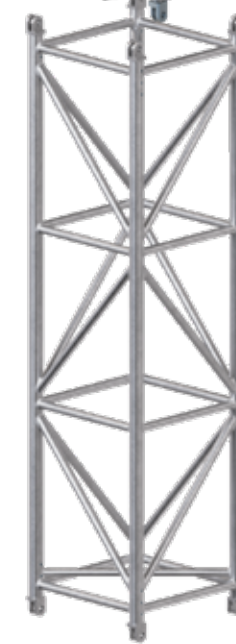
The drawings shown on these pages are intended as examples of possible configurations between trusses and selected accessories. Many other combinations are possible, including the development of custom accessories when required by specific project needs.

FORK TRUSS
QL52A



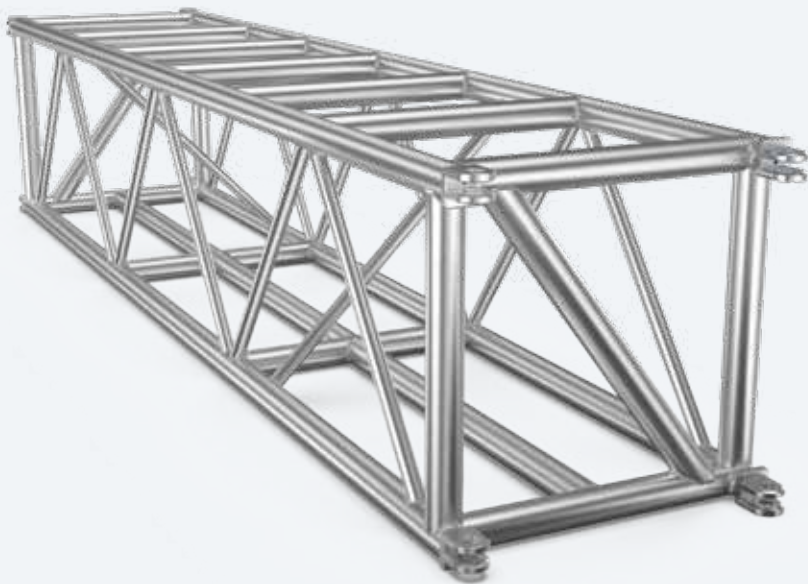
3-Way Corner

2 FL52047P
1 MTC52F
4 KHLF
4 KHLB



Sleeve Block on QL40A

2 FL52047P
2 MTC40D (or MT30G)



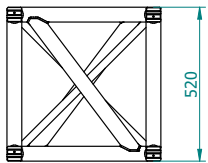
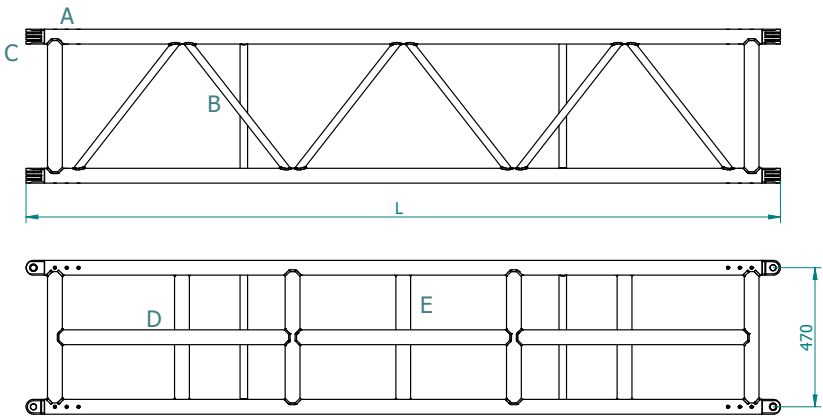
MIDDLE CHORD TRUSS

Square-section High-Load aluminium truss with 52 cm sides.

The addition of the fifth central chord balances the load in applications requiring the support of heavy loads, especially LED walls.

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

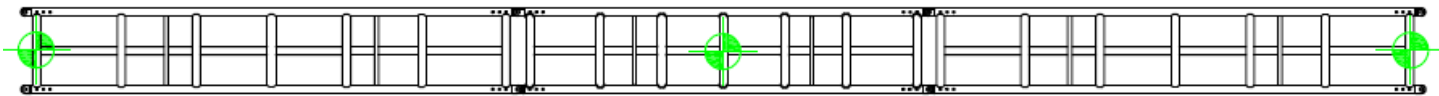
Chords A	Diagonals B	Ends C	Chord D	Diagonals E	Connection systems
Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Extruded tube Ø 30 × 3 mm EN AW – 6082 T6	Aluminium Forks Connector EN AW – 6082 T6	Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	KHLP: cylindrical pin + safety R-clip



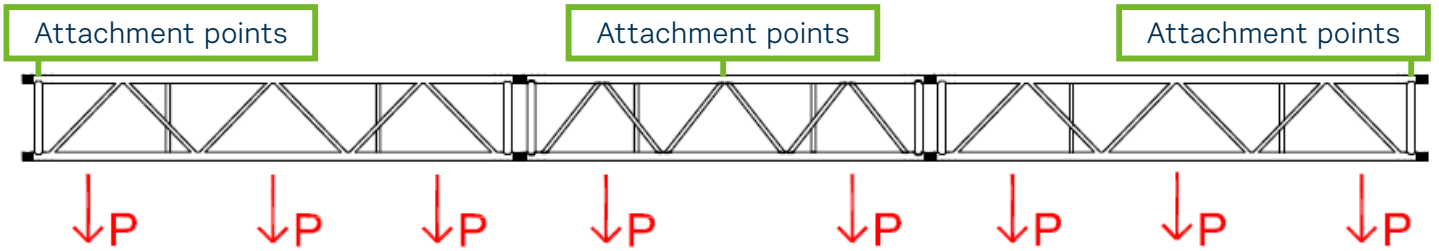
Safety Factor and Dynamic Factor

The use of a truss with an additional central chord allows for a better distribution of the suspended load. As a case study, we report an example where two 3-meter trusses and one 2.5-meter truss in the center were used, with 8 rigging points and 3 chain hoists.

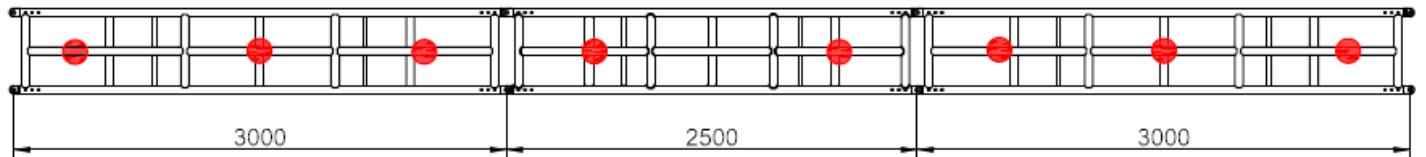
Top view:



Side view:



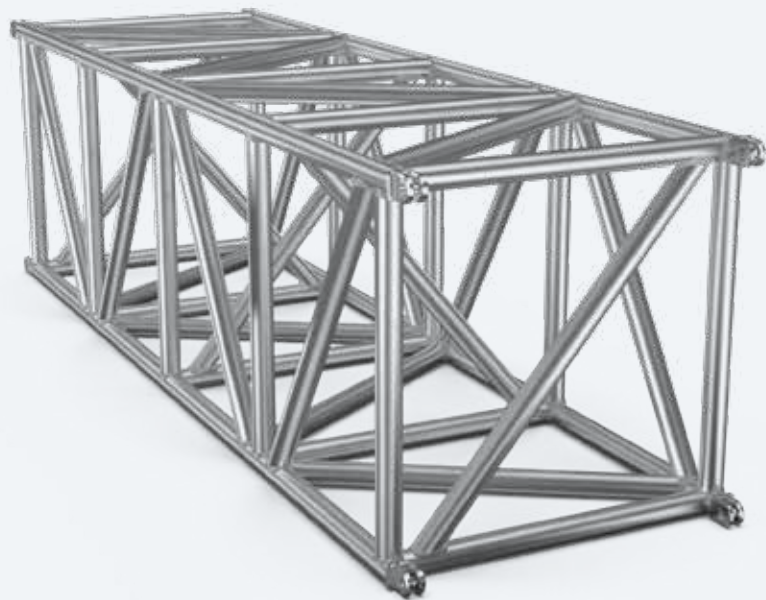
Bottom view:



P = 285 kg (safety and dynamic factor included).
A **safety factor of 1.5** has been applied in accordance with EN 1990-1 (Eurocode) for variable loads.

NOTE. During lifting and lowering operations with electric chain hoists, starting and stopping generate additional dynamic forces, expressed by a dynamic factor. **The dynamic factor varies depending on several parameters.** In this simulation, a **dynamic factor of 1.2** has been applied.

This represents a basic configuration, illustrating the behavior of a structure with defined length and loads. Our technical team is available for consultation regarding applications with different configurations.

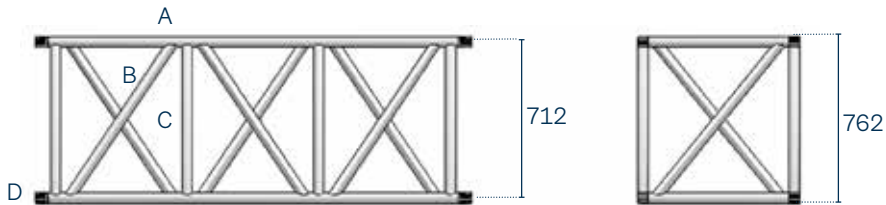


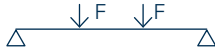
Square section High Load aluminium truss with 76 cm long sides.

It is provided with steel fork connections and Ø 50 x 4 mm chords. Thanks to its elevated moment of inertia and resistance of its connections, it is mainly used in the composition of towers (Maxitower 76).

LINEAR ELEMENTS					
Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
QL76200A	76.2 × 76.2 × 200	56.70	QL76250A	76.2 × 76.2 × 250	68.60

Chords A	Diagonals B	Braces C	Ends D	Connection systems
Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Extruded tube Ø 50 × 3 mm EN AW – 6082 T6	Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Aluminium Forks Connector EN AW – 6082 T6	KHLP: cylindrical pin + safety R-clip



Load table / Fork connection															
span	Unif. distributed load			Centre point load			Third point load			Quarter point load			Fifth point load		
															
[m]	Point load [kg/m]	Full load [kg]	Central deflection mm	Point load [kg]	Full load [kg]	Central deflection mm	Point load [kg]	Full load [kg]	Central deflection mm	Point load [kg]	Full load [kg]	Central deflection mm	Point load [kg]	Full load [kg]	Central deflection mm
5	1141	5705	5	3891	3891	5	2201	4401	5	1701	5104	5	1414	5654	5
6	947	5680	8	3388	3388	8	1972	3945	7	1544	4631	8	1295	5179	9
7	808	5654	12	2994	2994	11	1782	3565	11	1411	4233	12	1193	4771	13
8	704	5628	19	2677	2677	14	1625	3250	15	1298	3894	16	1070	4281	17
9	563	5065	24	2414	2414	19	1490	2981	20	1200	3599	22	968	3870	22
10	451	4506	30	2194	2194	24	1374	2747	25	1112	3337	28	881	3526	28
11	368	4048	36	2005	2005	29	1271	2542	31	1012	3036	34	807	3230	35
12	305	3662	43	1831	1831	35	1180	2360	38	916	2747	41	743	2972	42
13	256	3330	51	1665	1665	41	1099	2197	46	832	2497	48	686	2745	50
14	217	3041	59	1521	1521	48	1025	2050	54	760	2281	56	634	2535	59
15	186	2789	67	1395	1395	56	958	1917	64	697	2092	65	581	2324	68
16	160	2565	77	1283	1283	64	897	1795	74	641	1924	74	534	2138	77
17	139	2364	87	1182	1182	73	841	1683	85	591	1773	83	492	1970	88
18	121	2182	98	1091	1091	82	789	1578	97	546	1637	94	455	1819	98
19	106	2017	109	1009	1009	92	741	1482	109	504	1513	105	420	1681	110
20	93	1866	121	933	933	103	696	1392	123	467	1400	117	389	1555	122
21	82	1727	134	864	864	114	648	1295	136	432	1295	129	360	1439	135
22	73	1598	147	799	799	126	599	1199	150	400	1199	142	333	1332	148
23	64	1479	161	739	739	139	554	1109	164	370	1109	156	308	1232	162
24	57	1367	176	683	683	153	512	1025	179	342	1025	170	285	1139	177
25	50	1261	192	631	631	167	473	946	194	315	946	186	263	1051	193
26	45	1162	208	581	581	183	436	872	211	291	872	202	242	969	209
27	40	1069	225	534	534	199	401	802	228	267	802	218	223	891	226
28	35	980	243	490	490	216	368	735	246	245	735	236	204	817	244
29	31	896	261	448	448	234	336	672	264	224	672	254	187	747	262
30	27	815	280	408	408	253	306	612	284	204	612	274	170	680	282

Cantilever load table / Fork connection					
span	Unif. distributed load			Centre point load	
					
[m]	[kg/m]	[kg]	mm	[kg]	mm
0.5	5808	2904	0	2904	0
1	2891	2891	0	2891	0
1.5	1919	2878	1	2733	1
2.0	1433	2866	1	2263	3
2.5	1141	2853	3	1927	5
3.0	894	2682	4	1675	7
3.5	691	2417	6	1477	10
4.0	549	2194	9	1317	14
4.5	445	2004	12	1186	18
5.0	368	1840	15	1075	22
5.5	308	1696	18	980	28
6.0	261	1569	22	898	33

Axial load table		
span		
	[m]	[kg]
5	16788	13954
10	15087	6692
15	12178	
20	8914	
25	6307	

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

The fork connection is secured by a 20 mm steel pin. In specific cases, bolts with nuts or bolts with lifting eyes can be used. A range of adapters with different fork orientations is also available to optimise special configurations.



KHLP
20 mm Cylindrical pin
+ 3 mm safety R-clip



KHLB
M20 screw bolt
+ spring washer



KHLD
M20 screw nut
+ spring washer



KHLF
Threaded female fork
connector + spring washer



KHLG
M20 Lifting Eye



KHLM
Male fork
connector complete



KHL180A
180° double fork aluminum
connector



KHL180S
180° double fork
steel connector



KHL90LA
90° double fork
alum. connector, left



KHL90LS
90° double fork steel
connector, left



KHL90RA
90° double fork alum.
connector, right



KHL90RS
90° double fork steel
connector, right

Accessories



MTC76F
MT76 frame with bolts



MTC76D
MT76 frame with wheels

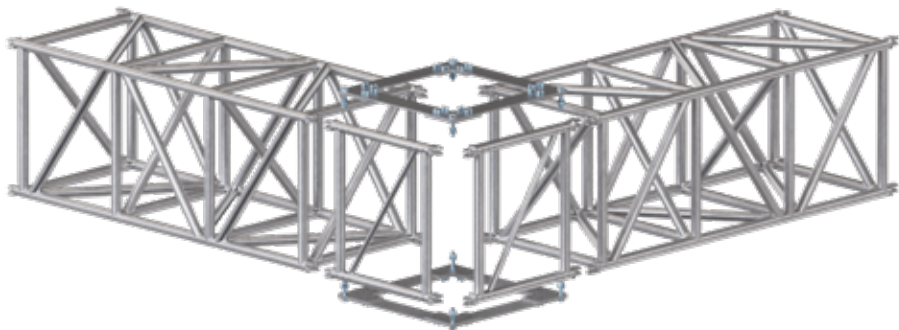


FL76071M2HS
FL76 cm 71.2
+ motor support



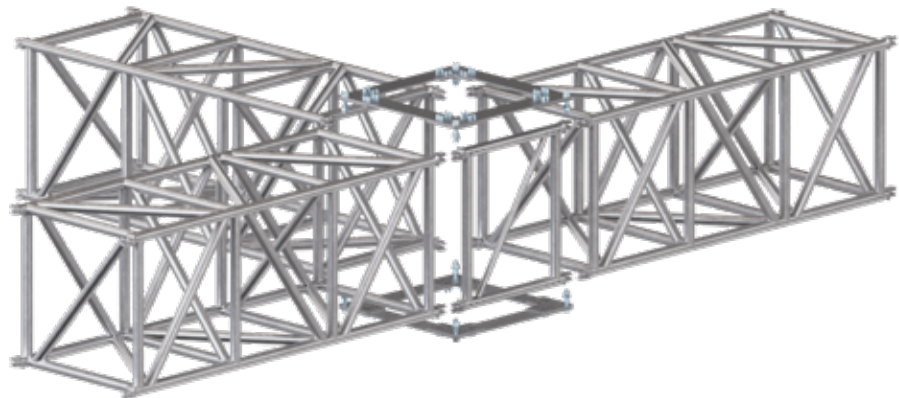
FL76071M2P
Gate - HL76 Flat truss
L = 71.2 cm

Corner Configuration Examples



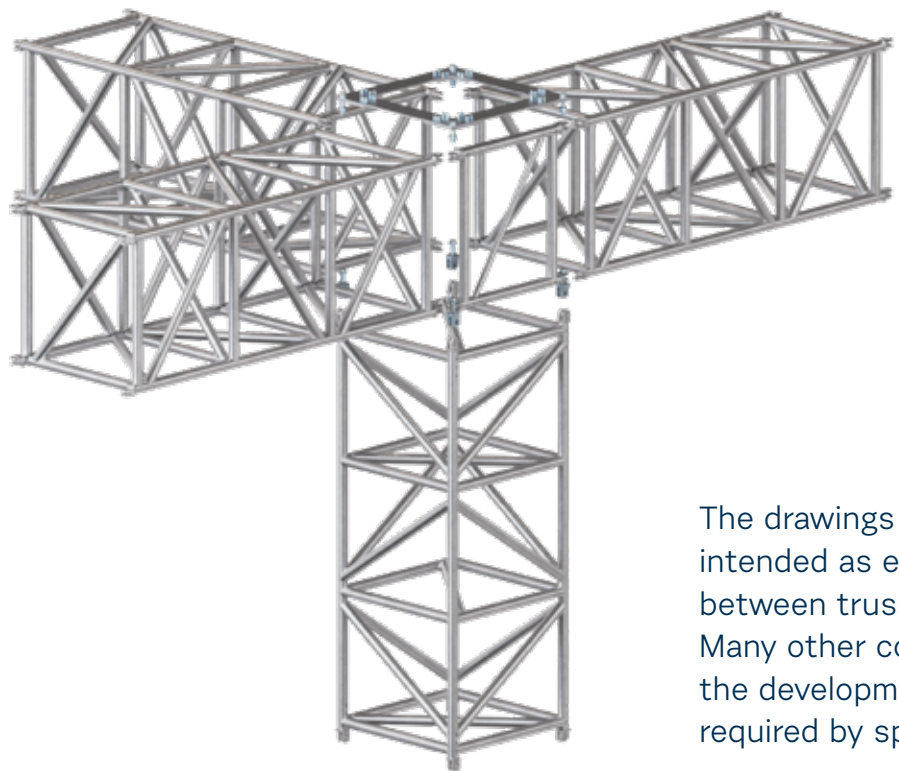
2-Way Corner 90°

- 2 FL76071M2P
- 2 MTC76F



3-Way Tee

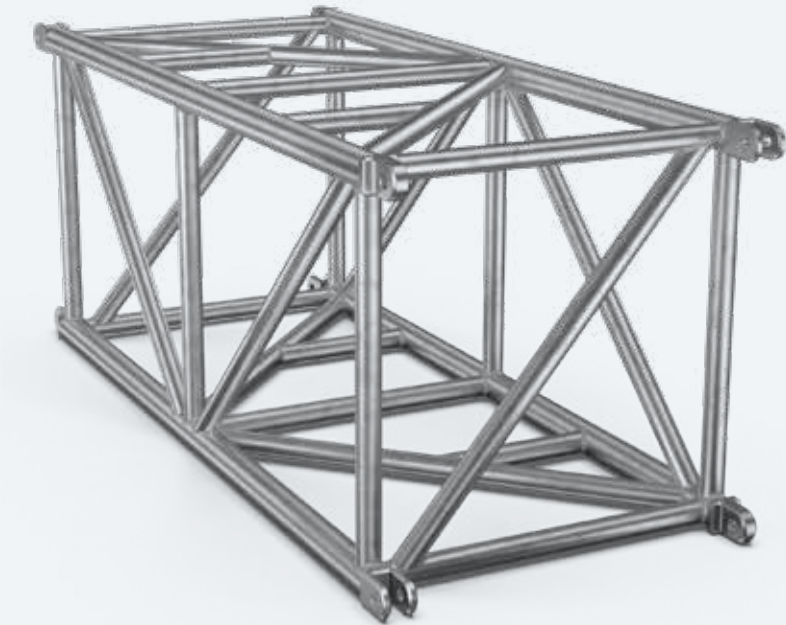
- 1 FL76071M2P
- 2 MTC76C



4-Way Corner

- 1 FL76071M2P
- 1 MTC76C
- 4 KHLF
- 4 KHLB

The drawings shown on these pages are intended as examples of possible configurations between trusses and selected accessories. Many other combinations are possible, including the development of custom accessories when required by specific project needs.



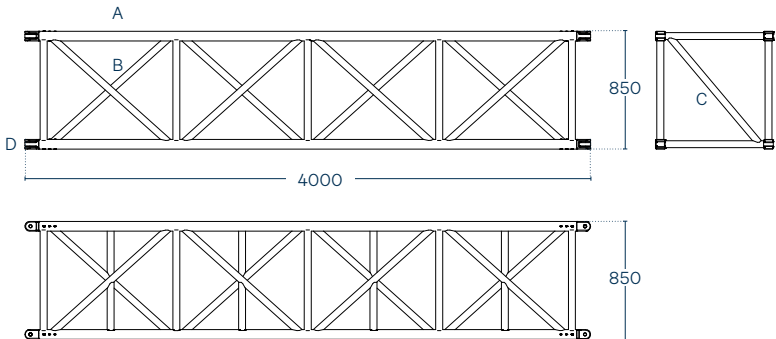
Square section High Load aluminium truss with 85 cm long sides.

It is provided with steel fork connections and Ø 70 x 5 mm chords. Thanks to its elevated moment of inertia and resistance of its connections, it is mainly used in the composition of towers.

For further information, please refer to the LITEC Towers Catalogue, Maxitower MT85 section.

LINEAR ELEMENTS					
Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
QL85200A	85 × 85 × 200	83.6	QL85300AB	85 × 85 × 300	105.2
QL85300A	85 × 85 × 300	105.2			

Chords A	Diagonals B	Braces C	Ends D	Connection systems
Extruded tube Ø 70 × 5 mm EN AW – 6082 T6	Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Steel forks connector EN AW-6082 T6	KHLP: cylindrical pin + safety R-clip



Load table / Fork 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
5	1072	5362	2	5362	5362	3	2681	5362	3	1787	5362	3	1340	5362	2
6	888	5329	4	5329	5329	6	2664	5329	5	1776	5329	4	1332	5329	4
7	757	5296	6	5089	5089	8	2648	5296	8	1765	5296	7	1324	5296	7
8	658	5263	8	4681	4681	12	2631	5263	11	1754	5263	10	1316	5263	10
9	581	5230	12	4329	4329	15	2615	5230	16	1743	5230	15	1307	5230	14
10	520	5197	16	4021	4021	20	2565	5130	22	1732	5197	20	1299	5197	19
11	469	5164	22	3665	3665	24	2413	4826	27	1721	5164	27	1291	5164	26
12	428	5131	28	3366	3366	29	2275	4551	34	1683	5049	35	1283	5131	34
13	392	5098	36	3098	3098	35	2150	4301	41	1549	4647	41	1274	5098	43
14	362	5064	45	2867	2867	41	2036	4072	49	1433	4300	48	1194	4778	51
15	335	5031	55	2643	2643	47	1931	3862	57	1321	3964	55	1101	4405	58
16	306	4890	66	2445	2445	54	1834	3667	67	1222	3667	63	1019	4075	66
17	267	4537	74	2268	2268	61	1701	3403	76	1134	3403	71	945	3781	75
18	234	4219	83	2110	2110	69	1582	3165	85	1055	3165	80	879	3516	84
19	207	3932	93	1966	1966	77	1475	2949	95	983	2949	89	819	3277	94
20	184	3670	103	1835	1835	86	1376	2753	105	918	2753	99	765	3059	104
21	163	3430	114	1715	1715	95	1286	2573	116	858	2573	109	715	2859	115
22	146	3209	125	1605	1605	105	1203	2407	127	802	2407	120	669	2674	126
23	131	3004	137	1502	1502	116	1127	2253	139	751	2253	132	626	2504	138
24	117	2814	150	1407	1407	127	1055	2111	152	704	2111	144	586	2345	150
25	105	2636	163	1318	1318	138	989	1977	165	659	1977	157	549	2197	164
26	95	2470	176	1235	1235	151	926	1852	179	617	1852	170	515	2058	177
27	86	2313	190	1157	1157	164	867	1735	193	578	1735	184	482	1928	191
28	77	2165	205	1083	1083	177	812	1624	208	541	1624	198	451	1804	206
29	70	2025	221	1013	1013	192	759	1519	224	506	1519	213	422	1688	222
30	63	1893	237	946	946	207	710	1419	240	473	1419	229	394	1577	238

Cantilever load table / Fork 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	5494	2747	0	2747	0
1	2730	2730	0	2730	0
1.5	1809	2714	0	2714	1
2.0	1349	2697	1	2697	2
2.5	1072	2681	1	2681	3
3.0	888	2664	2	2664	5
3.5	757	2648	3	2496	8
4.0	658	2631	5	2289	11
4.5	581	2615	7	2111	15
5.0	520	2598	10	1936	19
5.5	469	2582	13	1744	23
6.0	428	2565	17	1583	27

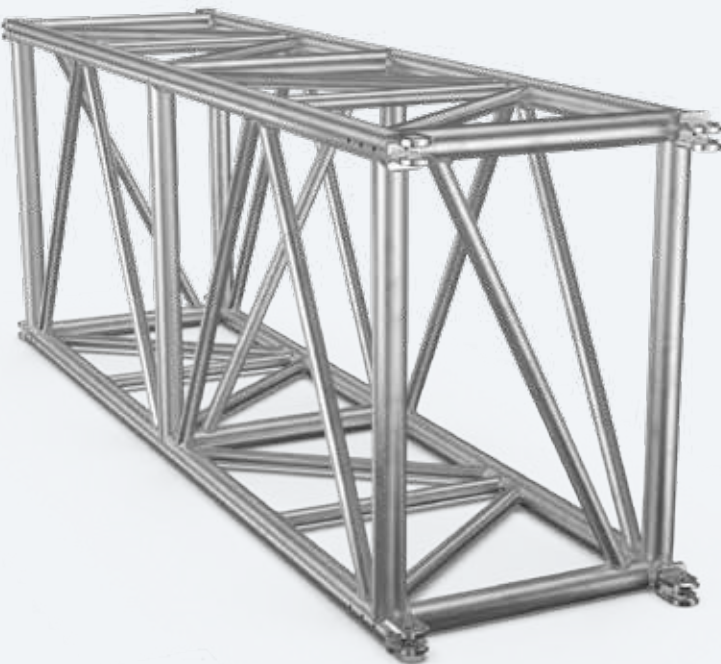
Axial load table

span	Axial load	
	Point load	Full load
[m]	[kg]	[kg]
10	24548	12417
12	23038	9508
14	21323	7358
16	19490	
18	17636	
20	15842	
22	14165	
24	12631	
26	11249	

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.



Rectangular section High Load aluminium truss with 76 x 52 cm long sides.

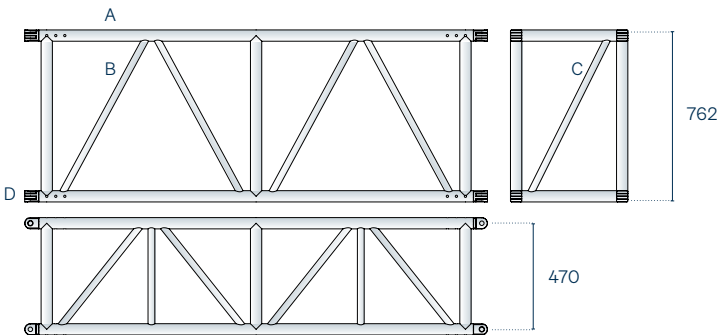
It is diagonalized on all faces and equipped with high-strength steel fork connections. The optimized design of its main components ensures high load capacity on medium-long spans.



HORIZONTAL FORK

LINEAR ELEMENTS		
Code	W × H × D (cm)	kg
RL76100A	52 × 76.2 × 100	29.7
RL76200A	52 × 76.2 × 200	44.1
RL76300A	52 × 76.2 × 305	58.9

Chords A	Diagonals B	Braces C	Ends D	Connection systems
Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Extruded tube Ø 30 × 3 mm EN AW – 6082 T6	Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Steel forks connector 11SMn37	KHLP: Cylindrical pin + safety R-clip



This truss is available in two models: one with horizontal forks and one with vertical forks.

The choice between the two fork orientations is subjective and depends on the user's specific requirements.



VERTICAL FORK

LINEAR ELEMENTS		
Code	W × H × D (cm)	kg
RL76100AZ2	52 × 76.2 × 100	29.7
RL76200AZ3	52 × 76.2 × 200	44.1
RL76300AZ2	52 × 76.2 × 300	58.9

Our technical team can provide support for specific applications.

Load table															
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
3	1910	5729	2	5593	5593	3	2864	5729	3	1910	5729	3	1432	5729	3
4	1428	5711	5	4633	4633	7	2855	5711	7	1904	5711	7	1428	5711	6
5	1139	5693	10	3952	3952	11	2601	5202	13	1898	5693	13	1423	5693	12
6	946	5675	18	3441	3441	17	2299	4597	20	1846	5539	22	1419	5675	21
7	808	5657	28	3043	3043	24	2057	4114	28	1669	5006	32	1314	5258	32
8	705	5639	42	2724	2724	33	1859	3718	38	1492	4476	42	1172	4688	42
9	586	5271	57	2462	2462	43	1694	3387	50	1318	3953	54	1056	4224	55
10	471	4710	70	2242	2242	54	1553	3106	63	1177	3532	66	959	3836	69
11	386	4247	85	2054	2054	66	1432	2864	78	1062	3186	81	877	3508	84
12	322	3859	101	1892	1892	80	1326	2652	95	965	2894	96	804	3216	101
13	271	3528	118	1751	1751	96	1233	2466	113	882	2646	113	735	2940	119
14	232	3241	137	1621	1621	112	1150	2301	133	810	2431	131	675	2701	138
15	199	2991	158	1495	1495	129	1076	2152	155	748	2243	151	623	2492	159
16	173	2769	180	1384	1384	148	1009	2018	179	692	2077	172	577	2307	181
17	151	2571	203	1286	1286	167	948	1896	204	643	1928	194	536	2143	205
18	133	2394	228	1197	1197	189	892	1785	232	598	1795	218	499	1995	230
19	118	2233	255	1116	1116	211	837	1675	260	558	1675	244	465	1861	256
20	104	2086	283	1043	1043	235	782	1565	288	522	1565	271	435	1738	285
21	93	1952	312	976	976	261	732	1464	318	488	1464	299	407	1626	314
22	83	1828	343	914	914	288	686	1371	349	457	1371	329	381	1523	345
23	75	1714	376	857	857	316	643	1285	382	428	1285	361	357	1428	378
24	67	1607	410	804	804	347	603	1205	417	402	1205	394	335	1339	412
25	60	1508	446	754	754	379	565	1131	453	377	1131	429	314	1256	448

Cantilever load table					
span	Unif. distributed load			Centre point load	
	Point load	Full load	Central deflection	Point load	Full load
[m]	[kg/m]	[kg]	mm	[kg]	mm
1.0	2873	2873	0	2873	1
2.0	1428	2855	3	2305	7
3.0	917	2751	10	1707	17
4.0	564	2257	20	1348	32
5.0	380	1902	34	1106	52
6.0	272	1633	52	931	77

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

The fork connection is secured by a 20 mm steel pin. In specific cases, bolts with nuts or bolts with lifting eyes can be used. A range of adapters with different fork orientations is also available to optimise special configurations.

KHLP	KHLB	KHLD	KHLF	KHLG
20 mm Cylindrical pin + 3 mm safety R-clip	M20 screw bolt + spring washer	M20 screw nut + spring washer	Threaded female fork connector + spring washer	M20 Lifting Eye
KHLM	KHL180A	KHL180S	KHL90LA	KHL90LS
Male fork connector complete	180° double fork aluminum connector	180° double fork steel connector	90° double fork alum. connector, left	90° double fork steel connector, left
KHL90RA	KHL90RS			
90° double fork alum. connector, right	90° double fork steel connector, right			

Accessories

FP7652Z1	RL76TTZ1	RL76TTZ2	C052D
RL76 truss floor plate	HL76 Transport trolley for RL76 & QL52 (longitudinal)	HL76 Transport trolley for RL76 & QL52 (transverse)	Bar Hook for 52 cm truss (double view depending on application)

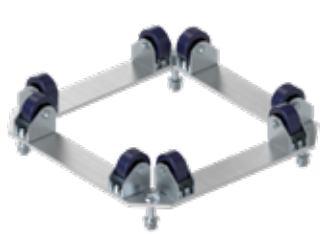
Corner and sleeve blocks can be created either by assembling individual components or by using pre-assembled systems.

There are several variations depending on the fork type, motor supports and, more generally, on the possible combinations with other Litec fork trusses. The illustrations show only some of the possible configurations, our technical team is available to provide further information or to assist with specific project requirements.



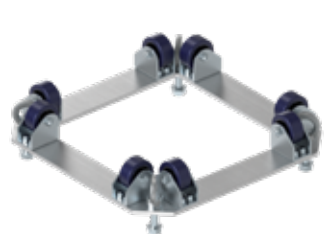
Code	W × D × H (cm)	Kg
MTC40F	58.8 × 58.8 × 10.2	5.8

MT40 square frame with bolts



Code	W × D × H (cm)	Kg
MTC40D	58.8 × 58.8 × 18.7	14.1

MT40 lower frame w/wheels



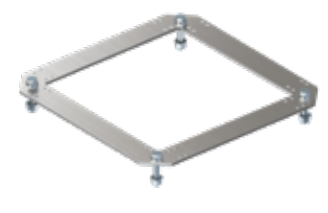
Code	W × D × H (cm)	Kg
MTC40G	58.8 × 58.8 × 15	14.6

MT40 upper frame w/wheels + lifting eyes



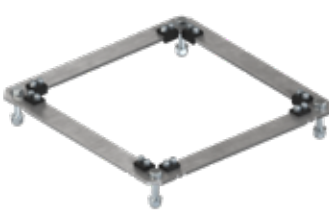
Code	W × D × H (cm)	Kg
FL76CS04C	19 × 19 × 76.2	3.7

HL76 single 4 Way Cross w/rounded forks



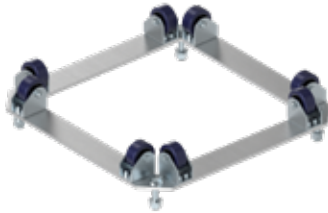
Code	W × D × H (cm)	Kg
MTC52F	70.8 × 70.8 × 10.3	6.9

MT52 Frame + Bolts



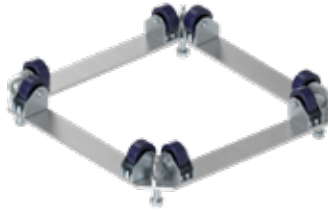
Code	W × D × H (cm)	Kg
MTC52PD	66.8 × 66.8 × 11.2	6.6

MT52 Upper Frame w/sliding blocks



Code	W × D × H (cm)	Kg
MTC52D	70.8 × 70.8 × 18.7	14.4

MT52 lower frame w/wheels



Code	W × D × H (cm)	Kg
MTC52G	70.8 × 70.8 × 17.5	16.4

MT52 upper frame w/wheels + lifting eyes



Code	W × D × H (cm)	Kg
FL76033V	38 × 61 × 76.2	10.3

HL76 L=033 cm reinforcement corner side (vertical forks)



Code	W × D × H (cm)	Kg
FL76047HS	52 × 35 × 76.2	16.6

HL76 L=047 cm corner side w/hoist lifting eye (horizontal forks)



Code	W × D × H (cm)	Kg
FL76059HS	35.5 × 64 × 79.3	17.9

HL76 L=59 cm corner side hoist lifting eye (horizontal forks)



Code	W × D × H (cm)	Kg
FL76047HSZ1	52 × 30 × 76.2	23.7

HL76 L=59 cm corner side hoist lifting eye (horizontal forks)



Code	W × D × H (cm)	Kg
FL76047P	52 × 6 × 76.2	9

RL76 Frame L=47 cm - Horizontal forks



Code	W × D × H (cm)	Kg
FL76059P	64 × 61 × 76.2	9.4

RL76 Frame L=59 cm - Horizontal forks



Code	W × D × H (cm)	Kg
FL76066M5P	71.5 × 61 × 76.2	9.7

RL76 Frame L=66.5 cm - Horizontal forks



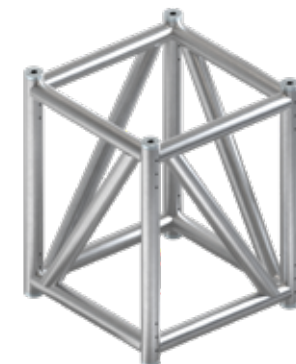
Code	W × D × H (cm)	Kg
FL76059PH	64 × 12.4 × 76.2	13.1

RL76 frame L=59cm - FL/RL76 - 8 Horizontal forks



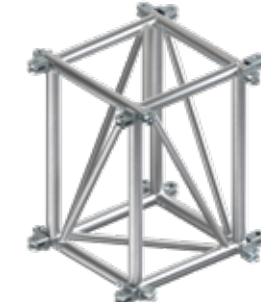
Code	W × D × H (cm)	Kg
RL76R2W	52 × 5 × 66.2	8.4

HL76 Reinforcement module
Corner Block Side



Code	W × D × H (cm)	Kg
RL76R4W	52 × 52 × 66.2	21.5

HL76 4 way Corner Block
reinforcement module



Code	W × D × H (cm)	Kg
RL76X4	66.4 × 66.4 × 76.2	30.9

RL76 4 way Corner



Code	W × D × H (cm)	Kg
RL7652X4	66 × 66 × 77.6	69.6

Multi-standard 4 way Corner - 52/76 cm +
reinforcement arms



Code	W × D × H (cm)	Kg
TLS40-004	66 × 66 × 99.6	96.3

RL76 V40 4 way Sleeve Block w/4
FL76033V reinforcements (fitted for a
QL40A tower)



Code	W × D × H (cm)	Kg
TLS40-003	84 × 66 × 99.6	109.7

RL76 V40 4 way Sleeve Block w/4
FL76033V reinforcements + hoist block
support (fitted for a QL40A tower)



Code	W × D × H (cm)	Kg
TLS40-007	66 × 66 × 99.6	100.8

RL76/QL52 V40 Sleeve Block - 4 ways w/
side reinforcements (fitted for a QL40A
tower)



Code	W × D × H (cm)	Kg
TLS40-006	87 × 66 × 99.6	114.4

RL76/QL52 V40 Sleeve Block - 4 ways w/
side reinforcements & hoist lifting eye
(fitted for a QL40A tower)



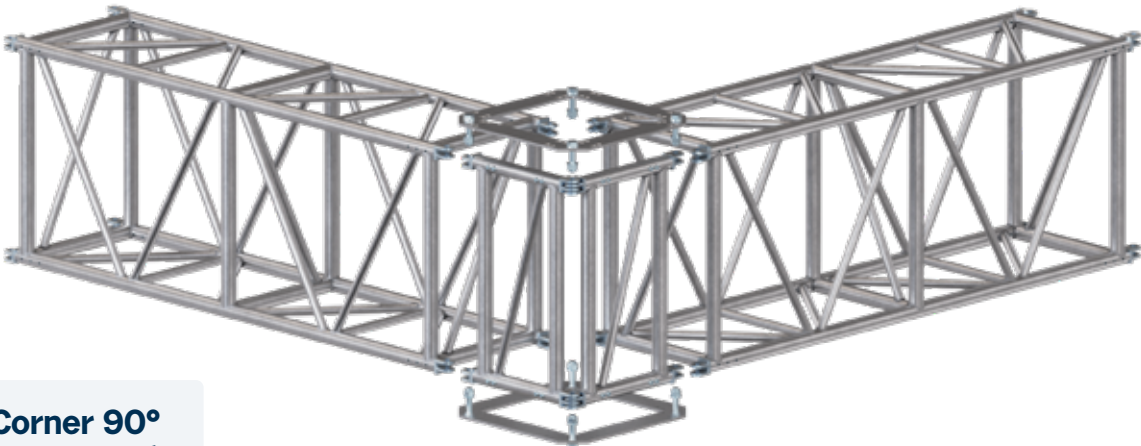
Corner Assemblies

FORK Truss **RL76A**

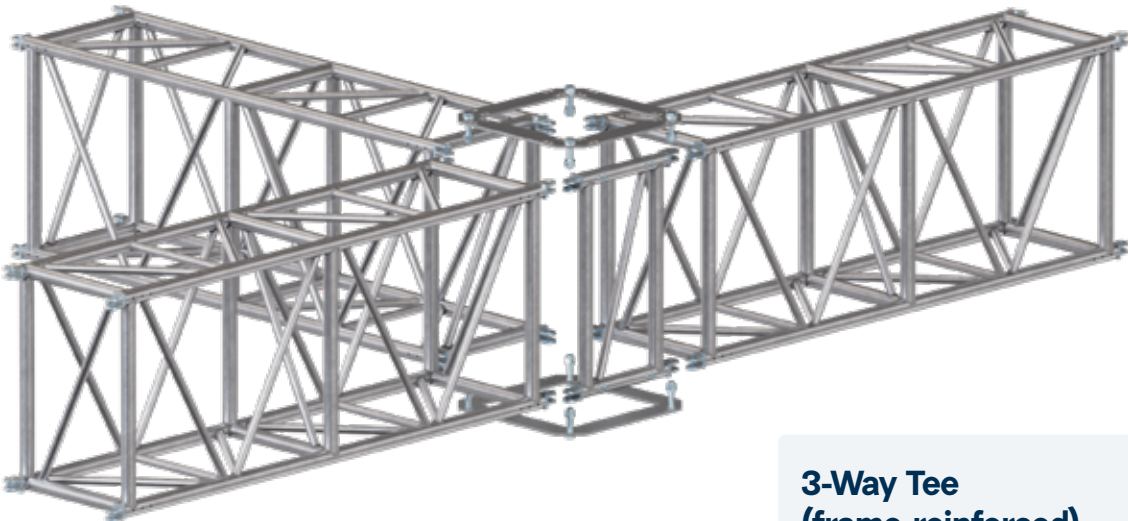


FORK TRUSS
RL76A

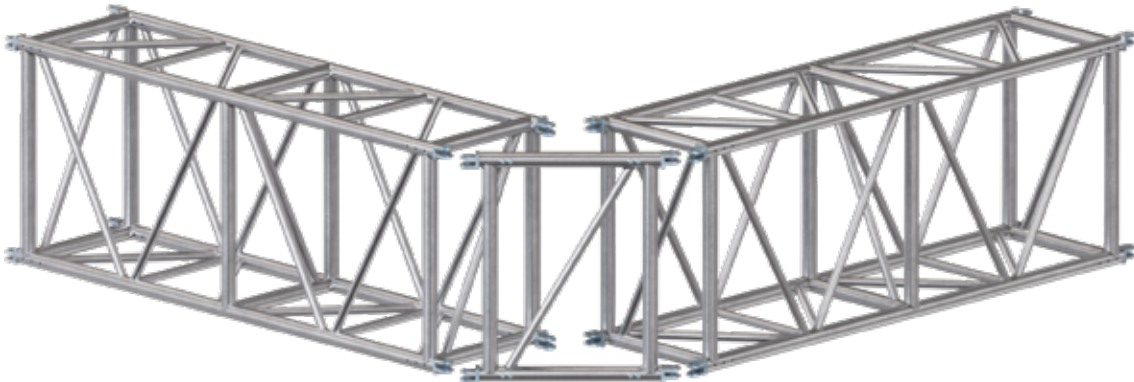
A few gates and frames are all it takes to create corners, T-junctions and multi-way corners



**2-Way Corner 90°
(frame-reinforced)**
2 FL76047P
2 MTC52F

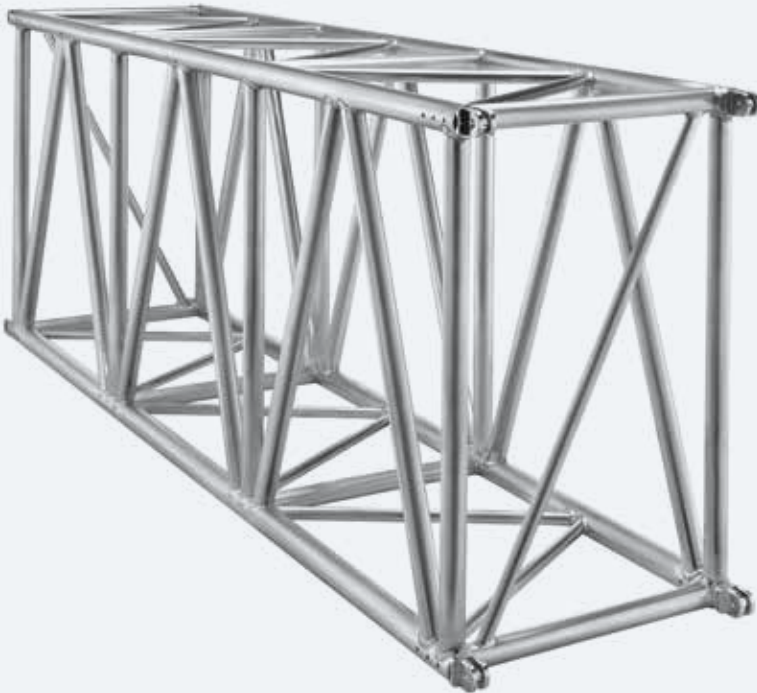


**3-Way Tee
(frame-reinforced)**
1 FL76047P
2MTC52F



**2-Way Corner 90°
(gate-only)**
1 FL76064M5P

The drawings shown on these pages are intended as examples of possible configurations between trusses and selected accessories. Many other combinations are possible, including the development of custom accessories when required by specific project needs.

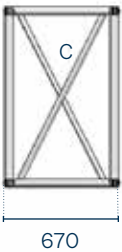
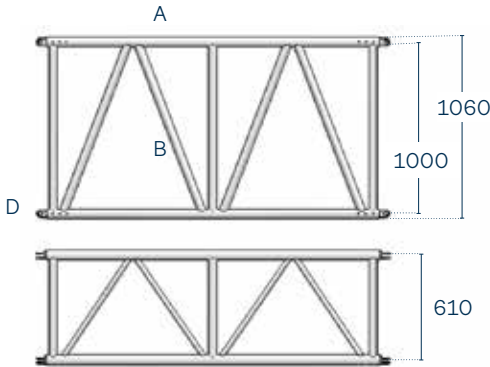


Rectangular section High Load aluminium truss with 105 x 67 cm long sides.

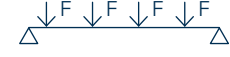
It is intended for uses that require elevated loads on large spans. The steel fork connection bestows sturdiness and wear resistance to the system. It is designed and tested according to the most widespread international standards.

LINEAR ELEMENTS					
Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
RL105100A	106 × 67 × 100	41.5	RL105300A	106 × 67 × 300	83.5
RL105200A	106 × 67 × 200	62.5			

Chords A	Diagonals B	Braces C	Ends D	Connection systems
Extruded tube Ø 60 × 5 mm EN AW – 6082 T6	Extruded tube Ø 50 × 3 mm EN AW – 6082 T6	Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Steel forks connector 11SMnPb37	KHLP: cylindrical pin + safety R-clip



Load table / Fork 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
3	3471	10414	1	9669	9669	1	5207	10414	1	3471	10414	1	2603	10414	1
4	2596	10386	1	8615	8615	2	5009	10018	2	3462	10386	2	2596	10386	2
5	2072	10358	3	7394	7394	3	4619	9238	3	3398	10193	4	2590	10358	3
6	1722	10330	5	6461	6461	5	4273	8546	5	3190	9569	6	2574	10294	6
7	1472	10303	8	5735	5735	7	3841	7683	8	3002	9005	9	2441	9764	9
8	1284	10275	12	5149	5149	9	3484	6969	11	2827	8482	12	2222	8887	12
9	1139	10247	16	4663	4663	12	3184	6368	14	2587	7761	16	2006	8024	16
10	990	9896	22	4255	4255	15	2927	5854	18	2340	7019	20	1826	7303	20
11	819	9005	27	3905	3905	19	2704	5409	22	2132	6395	24	1672	6689	24
12	687	8246	32	3603	3603	23	2509	5019	27	1954	5863	29	1540	6160	29
13	584	7591	38	3342	3342	27	2337	4674	32	1801	5403	34	1425	5698	34
14	501	7020	44	3108	3108	32	2183	4366	37	1667	5000	40	1323	5292	40
15	434	6516	50	2899	2899	37	2045	4090	43	1548	4645	46	1232	4926	46
16	379	6068	57	2711	2711	42	1920	3839	50	1442	4326	52	1151	4603	53
17	333	5666	65	2540	2540	48	1805	3611	57	1346	4039	59	1078	4311	60
18	295	5302	73	2387	2387	54	1704	3408	65	1262	3786	66	1011	4046	68
19	261	4968	81	2244	2244	61	1608	3216	72	1183	3548	74	951	3803	76
20	234	4671	90	2113	2113	68	1519	3038	81	1111	3332	82	895	3580	84
21	209	4392	99	1995	1995	75	1439	2877	90	1047	3140	91	844	3376	93
22	188	4135	109	1884	1884	83	1362	2723	99	986	2957	100	797	3190	102
23	169	3891	119	1779	1779	91	1290	2580	109	930	2791	109	752	3010	112
24	152	3660	129	1681	1681	100	1222	2443	119	877	2631	119	711	2843	122
25	138	3452	139	1589	1589	109	1160	2320	130	828	2483	129	672	2687	133
26	125	3254	150	1503	1503	118	1100	2201	141	781	2344	139	634	2538	143
27	114	3069	162	1421	1421	128	1044	2088	152	737	2210	150	601	2403	155
28	103	2897	173	1343	1343	138	991	1981	164	697	2090	162	568	2272	166
29	94	2730	185	1270	1270	149	940	1880	177	658	1974	173	537	2149	179
30	86	2573	198	1200	1200	160	891	1783	189	621	1863	185	508	2031	191
31	78	2424	210	1133	1133	171	845	1690	203	586	1757	198	480	1919	204
32	71	2283	223	1069	1069	183	801	1602	216	552	1657	210	453	1812	217
33	65	2148	237	1008	1008	196	759	1517	231	520	1561	224	427	1710	231

Cantilever load table / Fork connection

	Unif. distributed load	Centre point load
		
span		
[m]	[kg/m]	[kg]
2	1976	3952
4	734	2936
6	382	2290
8	229	1831
10	148	1479

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

FORK Truss **RL105A**



The fork connection is secured by a 20 mm steel pin. In specific cases, bolts with nuts or bolts with lifting eyes can be used. A range of adapters with different fork orientations is also available to optimise special configurations.



KHLP
20 mm Cylindrical pin
+ 3 mm safety R-clip



KHLB
M20 screw bolt
+ spring washer



KHLD
M20 screw nut
+ spring washer



KHLF
Threaded female fork
connector + spring washer



KHLG
M20 Lifting Eye



KHLM
Male fork
connector complete



KHL180A
180° double fork aluminum
connector



KHL180S
180° double fork
steel connector



KHL90LA
90° double fork
alum. connector, left



KHL90LS
90° double fork steel
connector, left



KHL90RA
90° double fork alum.
connector, right



KHL90RS
90° double fork steel
connector, right



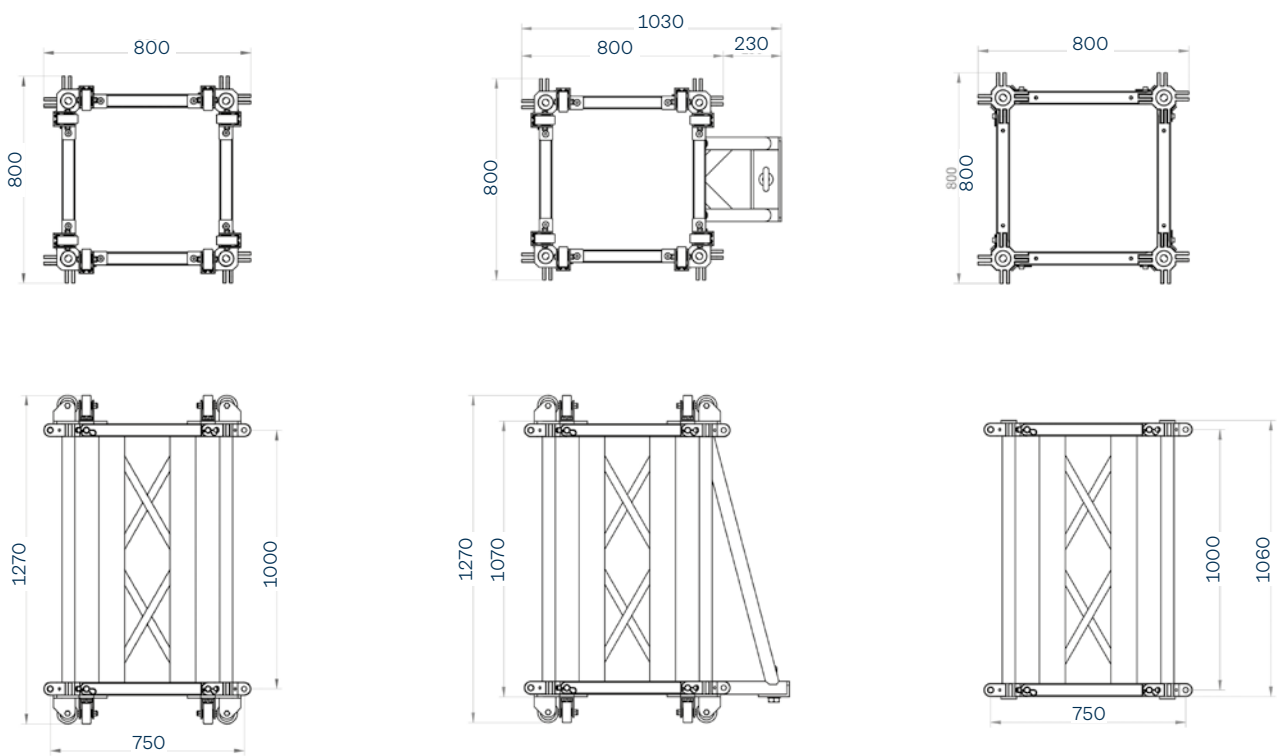
FL105CS04
4-way fork
connection system



Sleeve Blocks & Corners

FORK TRUSS
RL105A

Examples of sleeve blocks configured to slide along a QL52A tower.
The corner shown is a standard 4-way cross.



MTS52R105

Sleeve block for QL52A, assembled with wheels and frames around 4 × FL105CS04C



MTS52R105H

Sleeve block for QL52A, w/ wheels and frames around 4 × FL105CS04C, w/ hoist attachments



RL105x4

Standard 4-way cross, assembled with 4 gates around 4 × FL105CS04C



MyT High Load Trusses

Beyond Standard Truss Design

An unconventional truss. Made from profiles in special aluminium alloys, it differs from all other Litec trusses and from most products in this category by other brands.

Completely weld-free. All elements are bolted, offering three major advantages:

- Allows the use of different aluminium alloys that cannot be welded together.
- No material deformation caused by welding fusion, preserving the original mechanical properties of the aluminium.
- Easy replacement of individual components in case of deformation after accidental impacts.

Available in three models, all with the same overall dimensions (146 x 84 cm H x W). Models differ in load capacity, with an additional foldable version for easier transport and storage.

Can be supplied with a 4-swivel castor block for each truss. Unless otherwise specified, the standard finish is black.

MYT

Standard & Specials

MYT is designed for high load capacities and long spans. Ideal for large ground support structures, roofs, and large portals for sporting events.

Three models available. Sleeve blocks available for Litec **MTS76** and **MTS85** towers, and for new **HiPe steel towers**.

4-way corner supplied as standard for 90°connections. Custom solutions available, including special corners and dedicated sleeve blocks.



LT MTS76R150

Sleeve block suitable for sliding on **Litec MTS76 aluminium towers** and **HiPe steel towers**. Supplied with clamping jaws for the fall arrest devices of the respective towers.



LT MTS85R150

Sleeve block suitable for sliding on **Litec MTS85 aluminium towers**. Supplied with clamping jaws for the fall arrest devices of the tower.



TE TR150M-C4-2

Standard 4-way corner

MyT Foldable Steroid Roofing System on LITEC HiPe Steel Towers



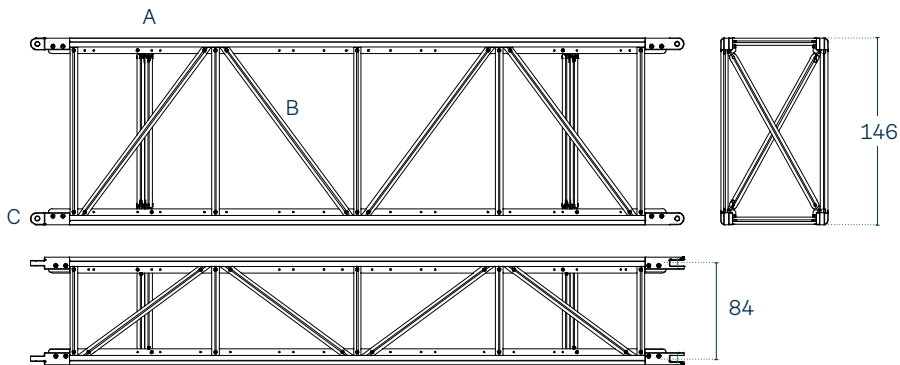


Rectangular truss,
146 × 84 cm section, in
special aluminium alloys

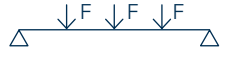
It measures 84 cm in width and 146 cm in height. The flagship model is 500 cm long, with a self-weight of 430 kg. Manufactured from high-performance aluminium alloy EN AW-7003 T6, offering high mechanical properties. Suitable for large-scale entertainment installations and for temporary and semi-permanent structures. At the maximum permitted span, it exhibits no significant bending.

LINEAR ELEMENTS					
Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
TR150M-25M-A	84 × 146 × 250	233.5	TR150M-50M-A	84 × 146 × 500	430

Chords A	Diagonals B	Ends C	Connection systems
Extruded aluminium EN AW – 7003 T6	Extruded aluminium EN AW – 7003 T6	Aluminium forks connector EN AW – 7003 T6	Connection system 11SMnPb37



Load table / Fork 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	5039	10077	0	10076	10076	0	5039	10077	0	3359	10076	0	2519	10075	0
4	2476	9904	0.1	9905	9905	0.2	4953	9906	0.2	3302	9905	0.2	2476	9904	0.2
6	1623	9737	0.5	9734	9734	0.8	4867	9735	0.6	3245	9734	0.6	2433	9733	0.6
8	1196	9566	1.1	9563	9563	1.8	4782	9564	1.5	3188	9563	1.4	2390	9562	1.4
10	939	9388	2.2	9391	9391	3.4	4696	9392	3	3130	9391	2.8	2348	9390	2.7
12	769	9223	3.9	9220	9220	5.9	4611	9221	5.1	3073	9220	4.8	2305	9219	4.6
14	646	9048	6.1	9049	9049	9.4	4525	9050	8.1	3016	9049	7.6	2262	9048	7.3
16	555	8873	9.2	8878	8878	13.9	4439	8879	12	2959	8878	11.3	2219	8877	10.8
18	484	8716	13.1	8594	8594	19.4	4354	8707	17.1	2902	8706	16	2176	8705	15.4
20	427	8542	18	8134	8134	25.7	4268	8536	23.4	2845	8535	21.9	2134	8534	21.1
22	380	8365	24	1589	1589	33.1	4182	8365	31	2788	8364	29.1	2091	8363	28
24	341	8196	31.2	7305	7305	41.7	4097	8194	40.1	2731	8193	37.7	2048	8192	36.3
26	309	8031	39.8	6930	6930	51.4	4007	8014	50.8	2674	8021	47.9	2005	8020	46.2
28	280	7849	49.8	6577	6577	62.4	3819	7637	61.9	2617	7850	59.7	1962	7849	57.6
30	256	7676	61	6244	6244	75	3639	7278	74	2560	7679	73	1919	7678	71
32	234	7503	75	5928	5928	89	3466	6932	88	2503	7508	89	1877	7507	86
34	216	7348	90	5628	5628	104	3300	6599	104	2445	7336	106	2038	8151	103
36	199	7156	107	5327	5327	120	3139	6277	121	2351	7052	124	1791	7164	122
38	185	7011	126	4882	4882	135	2984	5967	139	2245	6734	144	1748	6993	143
40	170	6809	147	4472	4472	151	2834	5668	159	2141	6422	165	1705	6822	166

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.



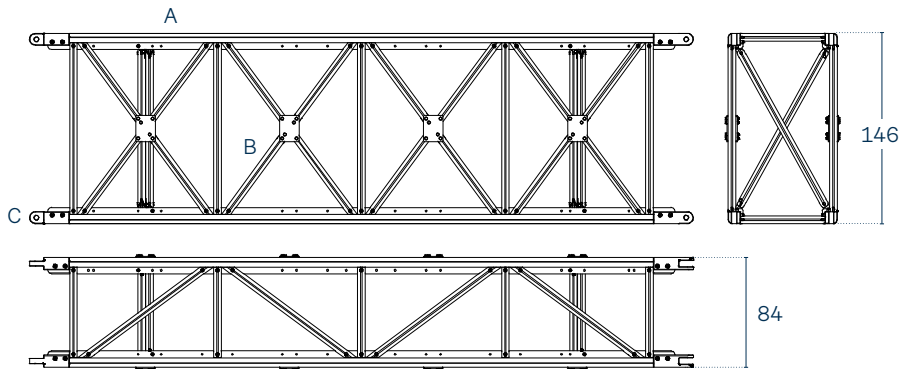
Rectangular truss,
146 × 84 cm section, in
special aluminium alloys
– Steroid version

Manufactured from high-performance aluminium alloy EN AW-7003 T6, offering high mechanical properties. The increased number of diagonals on the vertical faces provides higher performance compared to the Regular version.

Suitable for large-scale entertainment installations and for temporary and semi-permanent structures. At the maximum permitted span, it exhibits no significant bending undergoes virtually no bending.

LINEAR ELEMENTS		
Code	W × H × D (cm)	kg
TR150M-50M-G	84 × 146 × 500	495

Chords A	Diagonals B	Ends C	Connection systems
Extruded aluminium EN AW – 7003 T6	Extruded aluminium EN AW – 7003 T6	Aluminium forks connector EN AW – 7003 T6	Connection system 11SMnPb37



Load table / Fork 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	7671	15341	0	14332	14332	0	7324	14648	0	4938	14811	0	3729	14913	0
4	3792	15168	0	13303	13303	0	6929	13853	0	4720	14159	0	2587	14343	0
6	2499	14995	1	12396	12396	1	6565	13129	1	4514	13537	1	3451	13802	1
8	1853	14832	2	11590	11590	2	6228	12457	2	4319	12956	2	3321	13282	2
10	1466	14659	3	10877	10877	4	5916	11835	4	4136	12406	4	3197	12783	4
12	1207	14485	6	10224	10224	7	5626	11254	6	3961	11886	6	3077	12314	6
14	1022	14312	9	9633	9633	10	5353	10703	9	3795	11386	9	2962	11845	9
16	884	14139	14	9093	9093	14	5097	10194	14	3636	10907	14	2851	11407	14
18	776	13976	20	8594	8594	19	4855	9710	19	3484	10459	19	2745	10979	19
20	690	13802	27	8134	8134	26	4627	9254	25	3339	10017	25	2641	10571	25
22	620	13629	36	7705	7705	33	4410	8820	32	3200	9599	33	2541	10166	33
24	561	13456	47	7305	7305	42	4204	8408	41	3065	9197	42	2444	9779	42
26	511	13282	60	6930	6930	51	4007	8014	51	2936	8808	52	2351	9403	53
28	465	13007	74	6577	6577	62	3819	7638	62	2811	8434	63	2260	9038	64
30	421	12620	90	6244	6244	75	3639	7277	74	2691	8072	76	2170	8683	78
32	382	12232	108	5928	5928	89	3466	6932	88	2574	7723	91	2085	8337	93
34	338	11509	125	5628	5628	104	3300	6598	104	2461	7382	107	2000	8000	109
36	294	10561	141	5327	5327	120	3139	6277	121	2351	7053	124	1917	7672	128
38	255	9682	157	4882	4882	135	2984	5967	139	2245	6733	144	1838	7351	148
40	222	8876	175	4472	4472	151	2834	5669	159	2141	6421	165	1759	7038	170

Cantilever load table / Fork connection

	Unif. distributed load	Centre point load
span		

[m]	[kg/m]	[kg]	mm	[kg]	mm
1	15199	7600	0	7451	0
2	4871	7307	0	6906	0
3	2813	7038	0	6435	1
4	1938	6782	1	6025	2
5	1455	6547	1	5668	3

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.

FORK TRUSS

MyT Folding Steroid

CE

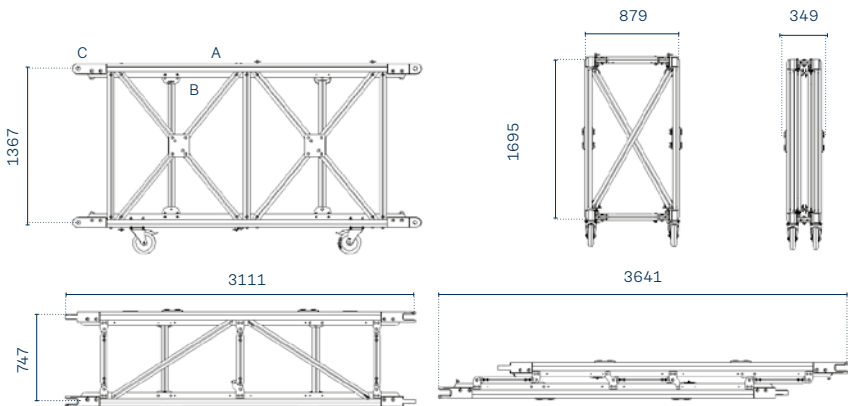


Rectangular truss,
146 × 84 cm section, in
special aluminium alloys –
Steroid Foldable version

Manufactured from high-performance aluminium alloy EN AW-7003 T6, offering high mechanical properties. The increased number of diagonals on the vertical faces provides higher performance compared to the Regular version. This model can be easily folded onto itself by operators, significantly simplifying transport and storage operations. At the maximum permitted span, it exhibits no significant bending.

LINEAR ELEMENTS				
Code	W × H × D (cm)	kg	Code	W × H × D (cm)kg
TF150M-30M-A	84 × 146 × 300	326	TR150-C4	150 × 150 × 136.7995
TF150M-25M-A	84 × 146 × 250	300	TR150-C4-2	150 × 150 × 136.7404
TF150M-20M-A	84 × 146 × 200	230		

Chords A	Diagonals B	Ends C	Connection systems
Extruded aluminium EN AW – 7003 T6	Extruded aluminium EN AW – 7003 T6	Aluminium forks connector EN AW – 7003 T6	Connection system 11SMnPb37



Load table / Fork connection

span	Unif. distributed load			Centre point load			Third point load			Quarter point load			Fifth point load		
	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection
[m]	[kg/m]	[kg]	mm	[kg]	[kg]	mm	[kg]	[kg]	mm	[kg]	[kg]	mm	[kg]	[kg]	mm
2	7671	15341	0	14332	14332	0	7324	14648	0	4938	14811	0	3729	14913	0
4	3792	15168	0	13303	13303	0	6929	13853	0	4720	14159	0	2587	14343	0
6	2499	14995	1	12396	12396	1	6565	13129	1	4514	13537	1	3451	13802	1
8	1853	14832	2	11590	11590	2	6228	12457	2	4319	12956	2	3321	13282	2
10	1466	14659	3	10877	10877	4	5916	11835	4	4136	12406	4	3197	12783	4
12	1207	14485	6	10224	10224	7	5626	11254	6	3961	11886	6	3077	12314	6
14	1022	14312	9	9633	9633	10	5353	10703	9	3795	11386	9	2962	11845	9
16	884	14139	14	9093	9093	14	5097	10194	14	3636	10907	14	2851	11407	14
18	776	13976	20	8594	8594	19	4855	9710	19	3484	10459	19	2745	10979	19
20	690	13802	27	8134	8134	26	4627	9254	25	3339	10017	25	2641	10571	25
22	620	13629	36	7705	7705	33	4410	8820	32	3200	9599	33	2541	10166	33
24	561	13456	47	7305	7305	42	4204	8408	41	3065	9197	42	2444	9779	42
26	511	13282	60	6930	6930	51	4007	8014	51	2936	8808	52	2351	9403	53
28	465	13007	74	6577	6577	62	3819	7638	62	2811	8434	63	2260	9038	64
30	421	12620	90	6244	6244	75	3639	7277	74	2691	8072	76	2170	8683	78
32	382	12232	108	5928	5928	89	3466	6932	88	2574	7723	91	2085	8337	93
34	338	11509	125	5628	5628	104	3300	6598	104	2461	7382	107	2000	8000	109
36	294	10561	141	5327	5327	120	3139	6277	121	2351	7053	124	1917	7672	128
38	255	9682	157	4882	4882	135	2984	5967	139	2245	6733	144	1838	7351	148
40	222	8876	175	4472	4472	151	2834	5669	159	2141	6421	165	1759	7038	170

Cantilever load table / Fork connection

span	Unif. distributed load			Centre point load	
	Point load	Full load	mm	Point load	mm
[m]	[kg/m]	[kg]	mm	[kg]	mm
1	15199	7600	0	7451	0
2	4871	7307	0	6906	0
3	2813	7038	0	6435	1
4	1938	6782	1	6025	2
5	1455	6547	1	5668	3



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.





LIBERA STAR

High Load Trusses

One Star. Infinite Possibilities.

LIBERA is a flat aluminium beam system designed to create load-bearing structures in a wide variety of configurations.

Its modular concept allows the construction of complex shapes with a high degree of flexibility.

The core of the LIBERA system is a **4-way star connector**, interfacing with **FL52**, **FL76** and **FL105** flat trusses to create freely configurable grid structures.

Compact, modular and robust, LIBERA is reliable and easy to transport and store.

LIBERA helps reduce running costs.

The system can also be easily combined with the High Load truss range using forked connections.

Free Your Imagination



LIBERA is a flat aluminium beam system that can easily be used to create and build load-bearing structures in a virtually infinite number of shapes.

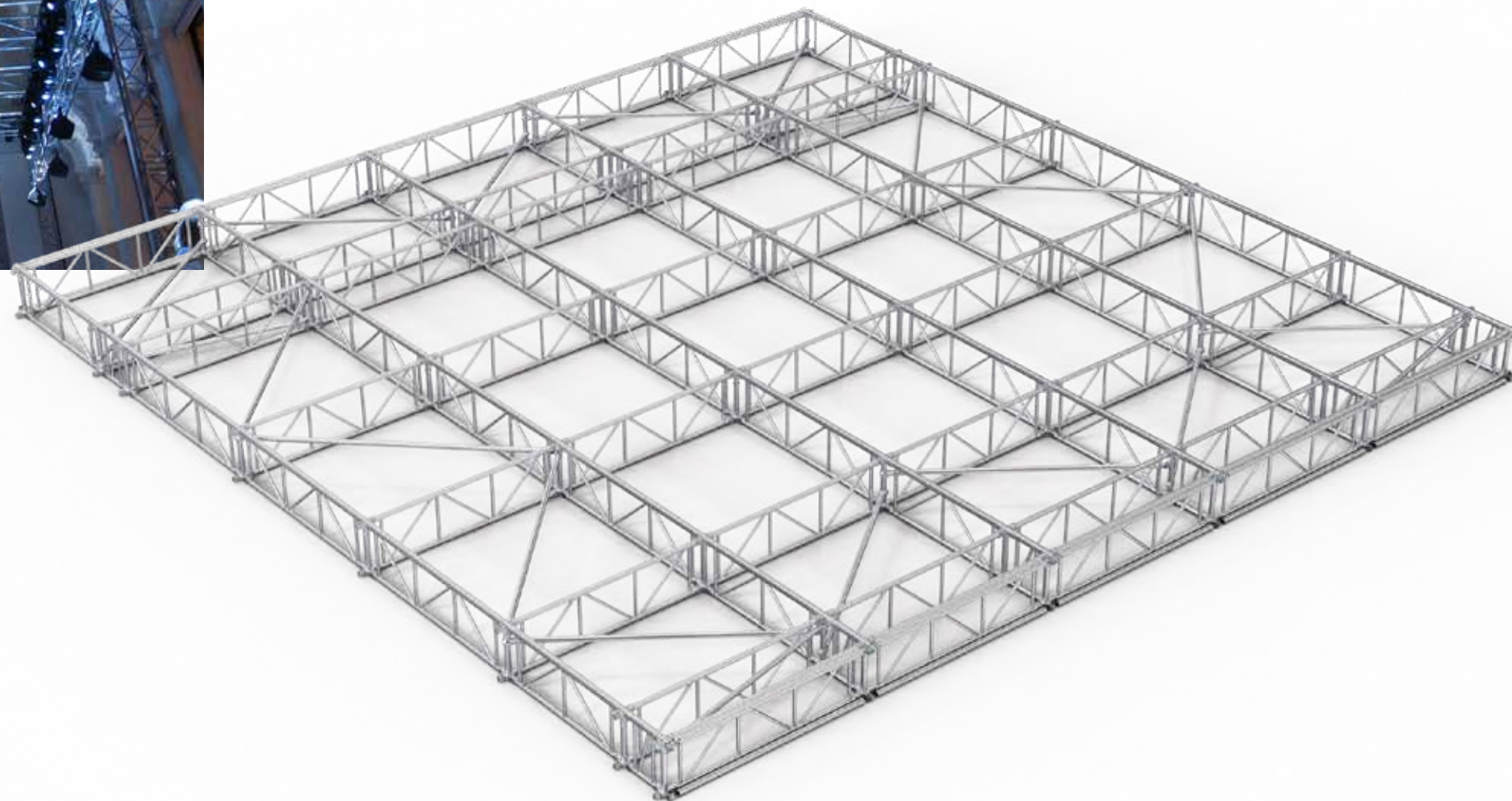
Around the 4-way star connector, grid structures with geometric configurations can be developed to meet specific project requirements.

The modularity of the system also allows the creation of reinforced sections to increase load capacity.

A complete range of bracing arms is available to brace the grid modules, increasing stiffness and preventing structural deformation.

The configuration possibilities of LIBERA are extensive. Our technical department is available to identify the most effective combination between the structure and its wide range of accessories.

In addition, LIBERA is suitable for the development of roofing systems, which are presented in the **Roofing catalogue**.



Alusfera: The Modular Dome

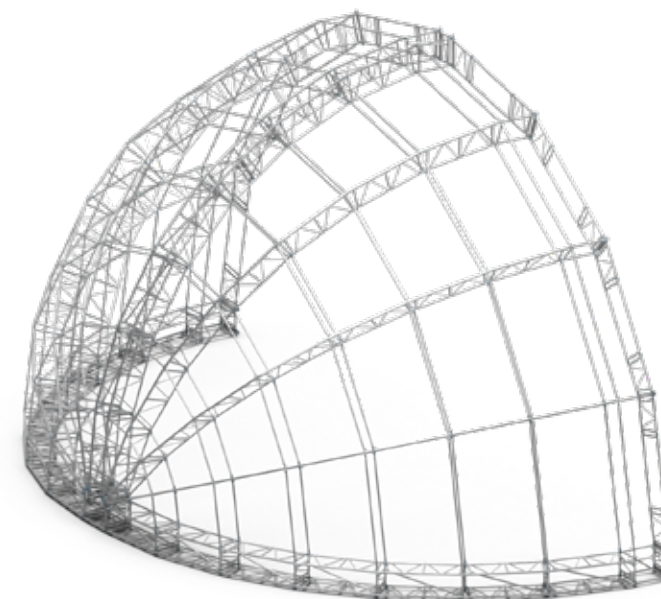


By integrating standard trusses with dedicated elements, and always using the central star connection, dome structures can be created in various sizes, depending on the truss model used.

This configuration places LIBERA in a further dimension, evolving from flat grid systems to highly evocative three-dimensional structures.



Given the specific nature of these structures, especially for outdoor applications, our technical team should be involved from the early stages of the project.





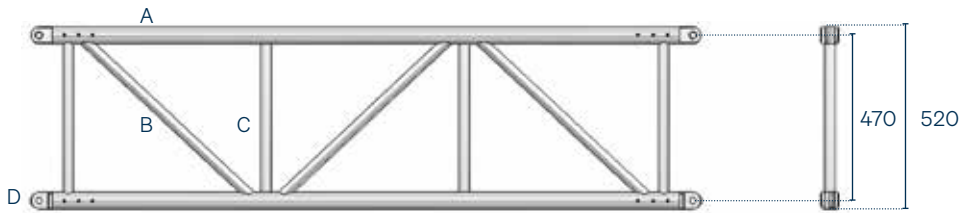
This is the most suitable LIBERA system for fairs and medium-sized installations. The modular grid structure allows the creation of single spans up to 16–18 metres in length, with standard centre-to-centrespacing of 0.5 m, 1 m and 2 m.

- 33 to 186 cm flat trusses
- Available in two versions:
 - standard and with built-in roofing sheet guides
- Ends with aluminium forks
- Curved parts for grid structure end fittings
- Universal four-way connection

LINEAR ELEMENTS				
Code	H (cm)	L (cm)	Code	H (cm) L (cm)
FL52035V	flat section 52	35	FL52035R	flat section 52 35 with guide
FL52086V	flat section 52	86	FL520865R	flat section 52 86 with guide
FL52137V	flat section 52	137	FL521865R	flat section 52 186 with guide
FL52186V	flat section 52	186		

“**R**” codes identify trusses featuring a top chord profile with an integrated track for the sliding of roofing sheets. The connection between trusses is ensured by the **FL52CS04R** Star connector. For the full “**R**” series range, please contact our sales department.

Chords A	Diagonals B	Braces C	Ends D	Connection systems
Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Extruded tube Ø 30 × 3 mm EN AW – 6082 T6	Extruded tube Ø 30 × 3 mm EN AW – 6082 T6	Forks connector EN AW – 6082 T6	FL52C504: four-way connection KHLP: cylindrical pin + safety R-clip KHLM+KHL



Load table

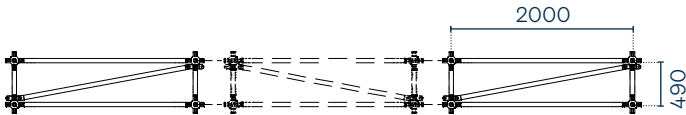
Unif. distributed load	Centre point load	Third point load	Quarter point load	Fifth point load
				

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
5	372	1859	7	930	930	5	697	1395	7	465	1395	6	387	1549	7
6	256	1536	10	768	768	8	576	1152	10	384	1152	9	320	1280	10
7	186	1303	13	651	651	11	489	977	14	326	977	13	271	1086	13
8	141	1126	17	563	563	14	422	845	18	282	845	17	235	939	17
9	110	987	22	494	494	18	370	740	22	247	740	21	206	823	22
10	87	875	27	437	437	22	328	656	28	219	656	26	182	729	27
11	71	781	33	391	391	27	293	586	34	195	586	31	163	651	33
12	58	702	39	351	351	32	263	526	40	175	526	38	146	585	40
13	49	634	46	317	317	38	238	475	47	158	475	44	132	528	47
14	41	574	54	287	287	45	215	431	55	144	431	52	120	479	54
15	35	522	62	261	261	52	196	391	63	130	391	59	109	435	62
16	30	475	71	238	238	59	178	356	72	119	356	68	99	396	71
17	25	433	80	216	216	68	162	325	81	108	325	77	90	361	80
18	22	395	90	197	197	77	148	296	91	99	296	87	82	329	90
19	19	360	100	180	180	86	135	270	102	90	270	97	75	300	101
20	16	327	112	164	164	97	123	245	113	82	245	108	68	273	112
21	14	297	123	149	149	108	111	223	125	74	223	120	62	248	124
22	12	269	136	135	135	120	101	202	138	67	202	132	56	225	137
23	11	243	149	122	122	132	91	183	151	61	183	145	51	203	150
24	9	219	163	109	109	146	82	164	165	55	164	159	46	182	164
25	8	196	178	98	98	160	73	147	180	49	147	173	41	163	178

Cantilever load table

Unif. distributed load	Centre point load
	

span	[kg/m]	[kg]	mm	[kg]	mm
1.0	1156	1156	0	1101	1
1.5	768	1152	1	785	2
2.0	546	1092	2	585	3
2.5	372	930	4	465	5
3.0	256	768	6	384	8
3.5	186	651	8	326	11
4.0	141	563	10	282	14



These load capacity values are only valid if the trusses are connected together every 2 metres (Lo). The load capacity values are only valid for a single line.

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

LIBERA FL52



LIBERA is an open structural system. The distinguishing feature of the system is that it uses standard modular elements connected together in ways that allow varied design and geometry of the finished structure. These two pages show connections and accessories that are helpful in the assembly or set up of your LIBERA FL52 system. The wide range of accessories for LIBERA System include bar hooks, spacers for the construction of arched geometries, complimentary elements for sleeve-blocks and transport trolley systems for flat trusses.



KHLP
20 mm Cylindrical pin
+ 3 mm safety R-clip



KHLB
M20 screw bolt
+ spring washer



KHLD
M20 screw nut
+ spring washer



KHLF
Threaded female fork
connector + spring washer



KHLG
M20 Lifting Eye



KHLM
Male fork
connector complete



KHL180A
180° double fork aluminum
connector



KHL180S
180° double fork
steel connector



KHL90LA
90° double fork
alum. connector, left



KHL90LS
90° double fork steel
connector, left



KHL90RA
90° double fork alum.
connector, right



KHL90RS
90° double fork steel
connector, right



KHL180AL149R
Alusfera spacer connector



Connection Stars



FL52CS02
2-way fork
connection
system



FL52CS03
3-way fork
connection
system



FL52CS04
4-way fork
connection
system



FL52CS04C
4-way fork
connection
system rounded
end



FL52CS04L
4-way fork
connection system
w/foot



FL52CS04R
4-way fork
connection
system w/foot
and vertical fork



Accessories

LIBERA
FL52



C052D
Bar hook for 52 cm truss



FL52033HSZ1
Hoist support



FL52047HSZ1
Hoist support



FL52ST
FL52 Transport trolley system
for 20 pieces



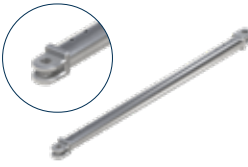
FL52MS
Hoist support



FL52IS40-L
Inclination system
for MT52 tower/Libera 52 - Left



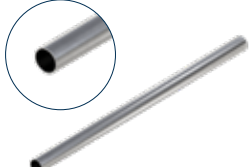
FL52IS40-R
Inclination system
for MT52 tower/Libera 52 - Right



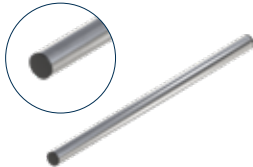
RAF / Reinforced tube w/forks
FL52 Transport trolley system
for 20 pieces



RAH / Diagonal brace w/hooks
RAH014M2P – working length 14.2 cm
RAH049P – working length 49 cm
RAH141M4 – working length 141 cm
RAH158M8 – working length 158 cm
RAH205M9S – working length 205 cm
RAH213M5 – working length 213 cm
RAH223M6 – working length 223 cm
RAH250M6 – working length 250 cm
RAH282M8 – working length 282 cm



RAL / Aluminium pipe
RAL047 – length 47 cm
RAL086 – length 86 cm
RAL100 – length 100 cm
RAL186 – length 186 cm
RAL200 – length 200 cm



RAT / Aluminium pipe w/caps
RAT050 – working length 50 cm
RAT100 – working length 100 cm
RAT150 – working length 150 cm
RAT200 – working length 200 cm
RAT250 – working length 250 cm
RAT300 – working length 300 cm

FORK TRUSS

LIBERA FL76

CE



This LIBERA system is designed for large grids and complex installations, allowing the construction of structures up to 22 metres in length.

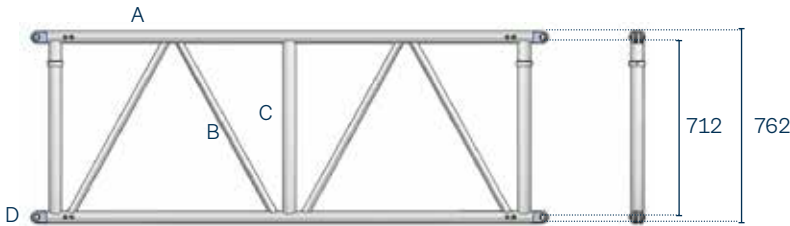
For indoor applications, it is suitable for theatre grid structures, as well as for TV and cinema studios.

- 47 to 200 cm flat trusses
- Available in two versions: standard and with built-in roofing sheet guides
- Ends with aluminium forks
- Curved parts for grid structure end fittings
- Universal four-way connection

LINEAR ELEMENTS					
			*V - standard truss *R - built-in rail for canopy		
Code	H (cm)	L (cm)	Code	H (cm)	L (cm)
FL76047V	flat section 76	47	FL76047R	flat section 76	47 with guide
FL76086V	flat section 76	86	FL76086R	flat section 76	86 with guide
FL76100V	flat section 76	100	FL76100R	flat section 76	100 with guide
FL76186V	flat section 76	186	FL76186R	flat section 76	186 with guide
FL76200V	flat section 76	200	FL76200R	flat section 76	200 with guide
			FL76111RHC	flat section 76	105 curved

“**R**” codes identify trusses featuring a top chord profile with an integrated track for the sliding of roofing sheets. The connection between trusses is ensured by the **FL76CS04R** Star connector. For the full “**R**” series range, please contact our sales department.

Chords A	Diagonals B	Braces C	Ends D	Connection systems
Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Extruded tube Ø 30 × 3 mm EN AW – 6082 T6	Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Forks connector EN AW – 6082 T6	FL52C504: four-way connection KHLP: cylindrical pin + safety R-clip KHLM+KHL



Load table - Type A						
4 WAY STAR CONNECTION						
Unif. distributed load			Centre point load			
						
span	Point load	Full load	Central deflection	Point load	Full load	Central deflection
[m]	[kg/m]	[kg]	mm	[kg]	[kg]	mm
3	818	2453	1	2118	2118	1
4	610	2441	2	1579	1579	2
5	486	2430	4	1253	1253	3
6	344	2067	6	1033	1033	5
7	250	1750	8	875	875	6
8	189	1510	10	755	755	8
9	147	1320	13	660	660	11
10	117	1167	16	583	583	13
11	94	1039	19	519	519	16
12	78	930	23	465	465	19
13	64	836	27	418	418	23
14	54	755	32	377	377	27
15	45	682	37	341	341	31
16	39	617	42	309	309	36
17	33	559	47	279	279	41
18	28	505	53	253	253	46
19	24	456	60	228	228	52
20	21	411	66	206	206	58
21	18	369	73	185	185	65
22	15	330	81	165	165	72
23	13	293	89	147	147	80
24	11	259	97	129	129	88

Cantilever load table - Type A					
Unif. distributed load			Centre point load		
					
span	Point load	Full load	Central deflection	Point load	Central deflection
[m]	[kg/m]	[kg]	mm	[kg]	mm
1.0	1232	1232	0	1232	0
1.5	818	1226	1	1057	1
2.0	610	1221	1	787	2
2.5	486	1215	2	625	3
3.0	344	1031	3	515	5
3.5	249	873	5	436	6
4.0	188	753	6	377	8

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.

Load table - Type A						
MALE / FEMALE FORK CONNECTION						
Unif. distributed load			Centre point load			
						
span	Point load	Full load	Central deflection	Point load	Full load	Central deflection
[m]	[kg/m]	[kg]	mm	[kg]	[kg]	mm
3	462	1387	0	1387	1387	1
4	344	1375	1	1375	1375	2
5	273	1364	2	1253	1253	3
6	225	1352	4	1033	1033	5
7	192	1341	6	875	875	6
8	166	1329	9	755	755	8
9	146	1318	13	660	660	11
10	117	1167	16	583	583	13
11	94	1039	19	519	519	16
12	78	930	23	465	465	19
13	64	836	27	418	418	23
14	54	755	32	377	377	27
15	45	682	37	341	341	31
16	39	617	42	309	309	36
17	33	559	47	279	279	41
18	28	505	53	253	253	46
19	24	456	60	228	228	52
20	21	411	66	206	206	58
21	18	369	73	185	185	65
22	15	330	81	165	165	72
23	13	293	89	147	147	80
24	11	259	97	129	129	88

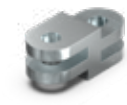
Cantilever load table - Type B					
Unif. distributed load			Centre point load		
					
span	Point load	Full load	Central deflection	Point load	Central deflection
[m]	[kg/m]	[kg]	mm	[kg]	mm
1.0	699	699	0	699	0
1.5	462	693	0	693	1
2.0	344	688	1	688	2
2.5	273	682	1	625	3
3.0	225	676	2	515	5
3.5	192	670	4	436	6
4.0	166	665	5	377	8

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

LIBERA FL76

LIBERA is an open structural system. The distinguishing feature of the system is that it uses standard modular elements connected together in ways that allow varied design and geometry of the finished structure. These two pages show connections and accessories that are helpful in the assembly or set up of your LIBERA FL76 system. The wide range of accessories for LIBERA System include bar hooks, spacers for the construction of arched geometries, complimentary elements for sleeve-blocks and transport trolley systems for flat trusses.

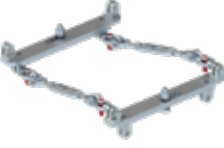
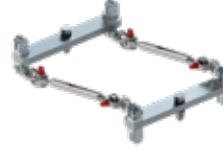
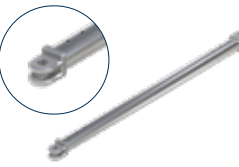
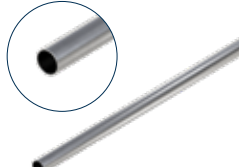
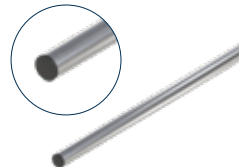
				
KHLP	KHLB	KHLD	KHLF	KHLG
20 mm Cylindrical pin + 3 mm safety R-clip	M20 screw bolt + spring washer	M20 screw nut + spring washer	Threaded female fork connector + spring washer	M20 Lifting Eye
				
KHLM	KHL180A	KHL180S	KHL90LA	KHL90LS
Male fork connector complete	180° double fork aluminum connector	180° double fork steel connector	90° double fork alum. connector, left	90° double fork steel connector, left
				
KHL90RA	KHL90RS	KHL180AL149R		
90° double fork alum. connector, right	90° double fork steel connector, right	Alusfera spacer connector		

Connection Stars

				
FL76CS02	FL76CS03	FL76CS04	FL76CS04C	FL76CS04L
2-way fork connection system	3-way fork connection system	4-way fork connection system	4-way fork connection system rounded end	4-way fork connection system w/foot
				
FL76CS04Z1	FL76CS04Z2	FL76CS04R		
4-way cross special connection	4-way cross special connection	4-way fork connection system w/foot and vertical fork		

Accessories

LIBERA FL76

				
C052D	C066	FL76059HS	FL76047HSV	FL76FP
Bar hook for 52 cm truss	Bar hook for 61 cm. truss	HL 76 cm. gate cm 59 truss - hoist support	HL 76 cm. gate cm 47 truss - hoist support	Stage floor plate
				
FLRS52E-L	FLRS52E-R	FLRS40E-L	FLRS40E-R	
Inclination system for MT52 tower/Libera 76 - Left	Inclination system for MT52 tower/ Libera 76 - Right	Inclination system for MT40 tower/ Libera 76 - Left	Inclination system for MT40 tower/ Libera 76 - Right	
				
RAF / Reinforced tube w/forks	RAH / Diagonal brace w/hooks	RAL / Aluminium pipe	RAT / Aluminium pipe w/caps	
FL52 Transport trolley system for 20 pieces	RAH014M2P – working length 14.2 cm RAH049P – working length 49 cm RAH141M4 – working length 141 cm RAH158M8 – working length 158 cm RAH205M9S – working length 205 cm RAH213M5 – working length 213 cm RAH223M6 – working length 223 cm RAH250M6 – working length 250 cm RAH282M8 – working length 282 cm	RAL047 – length 47 cm RAL086 – length 86 cm RAL100 – length 100 cm RAL186 – length 186 cm RAL200 – length 200 cm	RAT050 – working length 50 cm RAT100 – working length 100 cm RAT150 – working length 150 cm RAT200 – working length 200 cm RAT250 – working length 250 cm RAT300 – working length 300 cm	

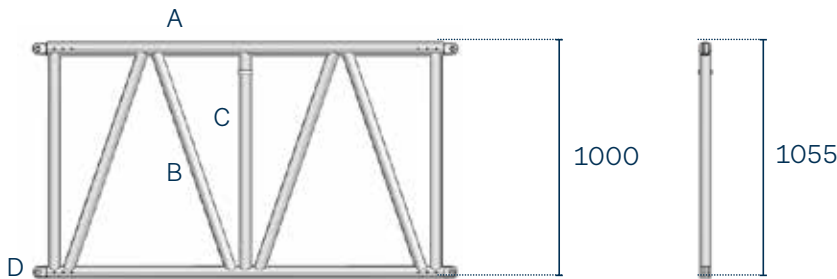


The top of the LIBERA range. Designed for Heavy-Duty applications, with high load capacity and long spans. LIBERA105 is primarily intended for outdoor use and is particularly suitable for roofing systems and large-scale structures.Itallows the construction of spans up to 30 metres in length with high load capacity

- 47 to 186 cm flat trusses
- Available in standard versions
- Ends with aluminium forks
- Universal four-way or male/female pass through connection

LINEAR ELEMENTS					
Code	H (cm)	L (cm)	Code	H (cm)	L (cm)
FL105045V	flat section 105	45	FL105136V	flat section 105	136
FL105086V	flat section 105	86	FL105186V	flat section 105	186

Upper Chords A	Lower Chords A	Diagonals B	Braces C	Ends D	Connection systems
Extruded tube Ø 60 × 5 mm EN AW – 6082 T6	Extruded tube Ø 50 × 5 mm EN AW – 6082 T6	Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Extruded tube Ø 50 × 4 mm EN AW – 6082 T6	Forks connector EN AW – 6082 T6	KHLP: Cylindrical pin + safety R-clip KHLM+KHLF



Load table															
span	Unif. distributed load			Centre point load			Third point load			Quarter point load			Fifth point load		
															
[m]	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
5	499	2493	1	2491	2491	2	1246	2493	2	831	2493	2	623	2493	2
6	413	2477	2	2277	2277	3	1238	2477	3	826	2477	3	619	2477	3
7	351	2460	4	1996	1996	5	1230	2460	5	820	2460	5	615	2460	4
8	306	2444	6	1731	1731	6	1187	2373	7	815	2444	7	611	2444	7
9	270	2428	8	1524	1524	8	1114	2229	10	762	2285	9	607	2428	10
10	241	2412	11	1356	1356	10	1017	2034	12	678	2034	12	656	2260	12
11	218	2396	15	1217	1217	12	913	1826	15	609	1826	14	507	2029	15
12	183	2201	18	1101	1101	14	825	1651	18	550	1651	17	459	1834	18
13	154	201	21	1000	1000	17	750	1501	21	500	1501	20	417	1667	21
14	131	1827	24	914	914	20	685	1370	25	457	1370	23	381	1523	24
15	112	1674	28	837	837	23	628	1256	28	419	1256	26	349	1395	28
16	96	1538	32	769	769	26	577	1154	32	385	1154	30	321	1282	32
17	83	1417	36	708	708	30	531	1063	36	354	1063	34	295	1181	36
18	73	1307	40	653	653	34	490	980	41	327	980	38	272	1089	40
19	64	1207	45	603	603	38	453	905	45	302	905	43	251	1006	45
20	56	1115	50	558	558	42	418	836	51	279	836	48	232	929	50
21	49	1031	55	515	515	47	387	773	56	258	773	53	215	859	55
22	43	953	60	476	476	52	357	714	61	238	714	58	198	794	61
23	38	880	66	440	440	57	330	660	67	220	660	64	183	733	67
24	34	812	72	406	406	63	304	609	73	203	609	70	169	676	73
25	30	748	79	374	374	69	280	561	80	187	561	76	156	623	79
26	26	687	85	344	344	75	258	516	86	172	516	83	143	573	86
27	23	630	92	315	315	82	236	473	93	158	473	90	131	525	93
28	21	576	100	288	288	89	216	432	101	144	432	97	120	480	100
29	18	525	107	262	262	96	197	394	108	131	394	105	109	437	108
30	16	476	115	238	238	104	178	357	116	119	357	112	99	397	116

Cantilever load table					
span	Unif. distributed load			Centre point load	
					
[m]	[kg/m]	[kg]	mm	[kg]	mm
1.0	1270	1270	0	1270	0
2.0	627	1254	0	1129	1
3.0	410	1229	1	859	3
4.0	273	1091	3	630	5
5.0	195	975	5	490	7
5.5	159	875	7	438	9
6.0	131	787	8	393	10

These load capacity values are only valid if the trusses are connected together every 2 metres (L₀)
The load capacity values are only valid for a single line.

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

LIBERA FL105

LIBERA is an open structural system. The distinguishing feature of the system is that it uses standard modular elements connected together in ways that allow varied design and geometry of the finished structure. These two pages show connections and accessories that are helpful in the assembly or set up of your LIBERA FL105 system. The wide range of accessories for LIBERA System include bar hooks, spacers for the construction of arched geometries, complimentary elements for sleeve-blocks and transport trolley systems for flat trusses.

KHLP
20 mm Cylindrical pin
+ 3 mm safety R-clip

KHLB
M20 screw bolt
+ spring washer

KHLD
M20 screw nut
+ spring washer

KHLF
Threaded female fork
connector + spring washer

KHLG
M20 Lifting Eye

KHLM
Male fork
connector complete

KHL180A
180° double fork aluminum
connector

KHL180S
180° double fork
steel connector

KHL90LA
90° double fork
alum. connector, left

KHL90LS
90° double fork steel
connector, left

KHL90RA
90° double fork alum.
connector, right

KHL90RS
90° double fork steel
connector, right

Connection Stars

FL105CS02
2-way fork
connection
system

FL105CS03
3-way fork
connection
system

FL105CS04
4-way fork
connection
system

FL105CS04C
4-way fork
connection
system rounded
end

FL105CS04L
4-way fork
connection
system w/foot

Accessories

LIBERA FL105

C066
Bar hook for 61 cm. truss

FL105059HS
HL 105 cm Gate, 59 cm
truss - hoist support

FL105047HSV
HL 105 cm Gate, 47 cm
truss - hoist support

FL105MSZ1
Hoist support

FL76ST
FL76 transport trolley
system for 20 pieces

FL105MS
Hoist support

RAF / Reinforced tube w/forks
FL52 Transport trolley system
for 20 pieces

RAH / Diagonal brace w/hooks
RAH014M2P – working length 14.2 cm
RAH049P – working length 49 cm
RAH141M4 – working length 141 cm
RAH158M8 – working length 158 cm
RAH205M9S – working length 205 cm
RAH213M5 – working length 213 cm
RAH223M6 – working length 223 cm
RAH250M6 – working length 250 cm
RAH282M8 – working length 282 cm

RAL / Aluminium pipe
RAL047 – length 47 cm
RAL086 – length 86 cm
RAL100 – length 100 cm
RAL186 – length 186 cm
RAL200 – length 200 cm

RAT / Aluminium pipe w/caps
RAT050 – working length 50 cm
RAT100 – working length 100 cm
RAT150 – working length 150 cm
RAT200 – working length 200 cm
RAT250 – working length 250 cm
RAT300 – working length 300 cm



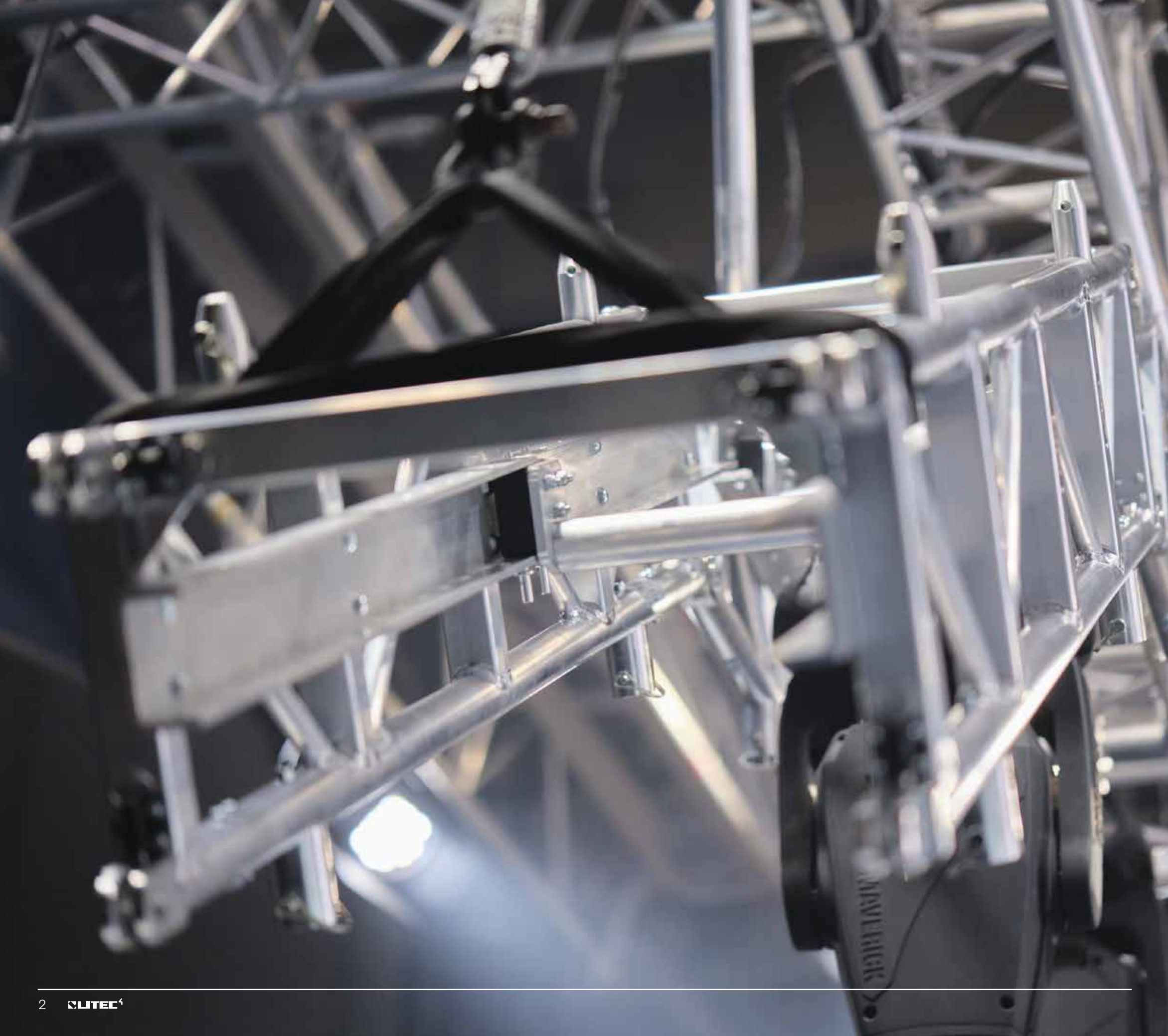


Index

PRE-RIG TRUSS

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Pre-rig Innovation: Faster, Smarter, Always Ready

Having ready-to-use structures, complete with fixtures and moving heads or chain hoists, has become a real advantage for today's most demanding event creators.

Fast deployment, the ability to rely on preconfigured rigging even across different venues with identical layouts, and the easy transport of protected devices inside the truss itself, without the need for bulky and expensive storage cases, make these trusses the **smartest solution for modern lighting management**.

Efficiency ready to roll

The LITEC PRE-RIG system transforms truss into far more than just a structural element.

It becomes a complete solution designed to streamline logistics and maximise efficiency.

The range includes four truss lines designed for conventional and moving lights, one truss line dedicated to chain hoist accommodation, and a Light Pod for lighting walls. Each line has been developed to ensure rapid deployment and immediate readiness for use.

Beyond the standard line-up, LITEC's renowned expertise extends to the **creation of bespoke solutions**, engineered around your ideas and the unique demands of your work.



CLASSIC



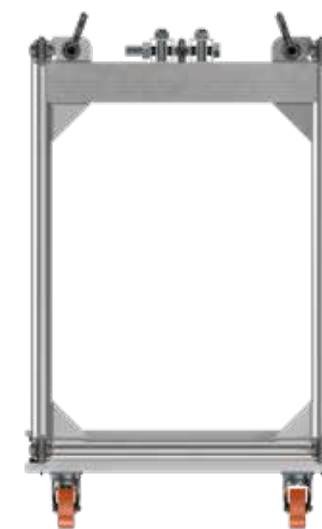
OMNIA



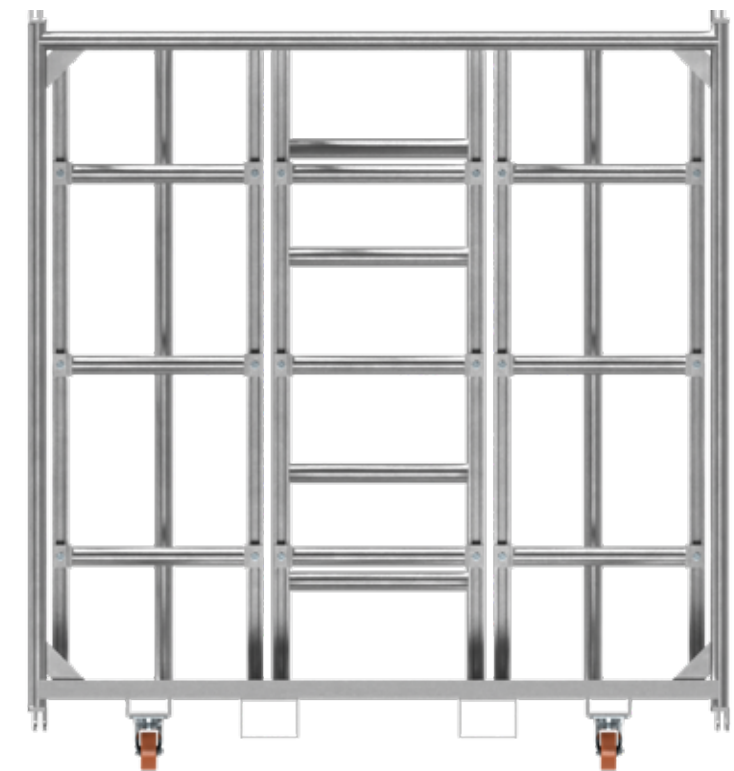
REVOLUTION



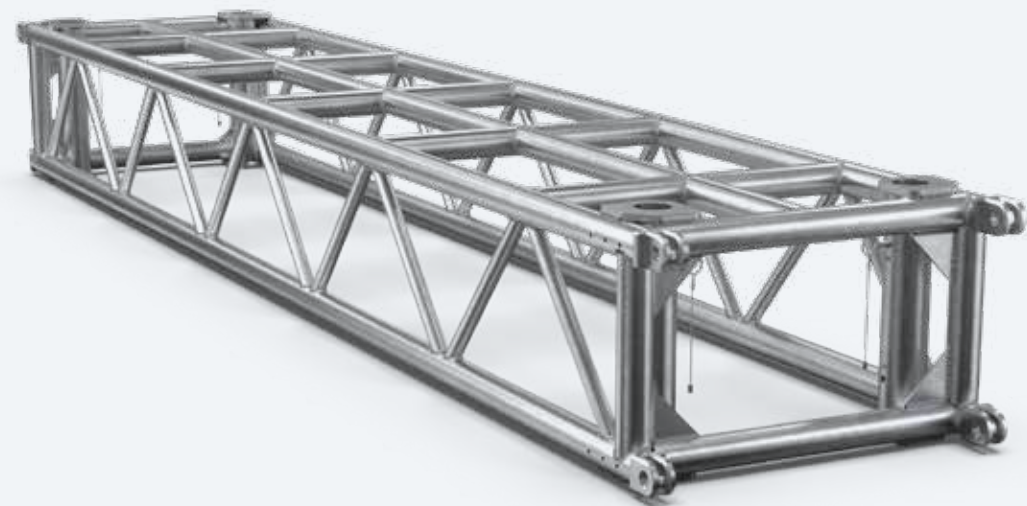
LOW PRO



MUSE



NEOPOD



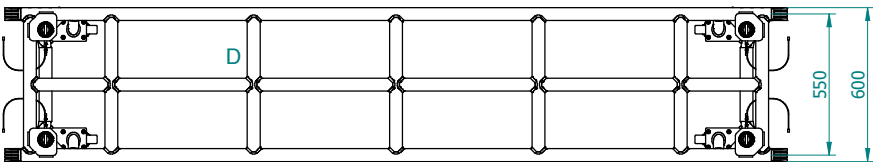
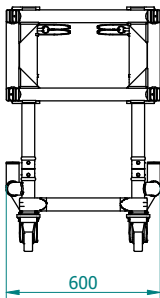
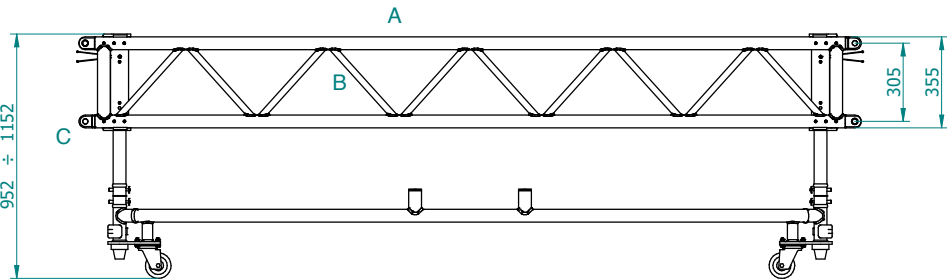
The “Classic”
Solution

Pre-rig Truss designed for both supporting and transporting lighting fixtures. Engineered to be mounted on a four-wheel dolly for quick and easy manoeuvrability.

Available in two versions: with fixed vertical aluminium forks or with rotating steel forks.

Each unit features a central chord for mounting conventional or moving lights.

Chords A	Diagonals B	Ends C	Fixing points D	Connection system
Extruded tube Ø50 × 4 mm EN AW-6082 T6	Extruded tube Ø25.4 × 3.2 mm EN AW-6082 T6	PR60TV: Aluminium fork connector EN AW-6082 T6 PR60TN: Steel fork connector 11SMn37	Extruded tube Ø50 × 3 mm EN AW-6082 T6	KHLP 20 mm galvanised pin + safety R-clip



KEY FEATURES

- Fixed vertical aluminium fork (code PR60TV)
- Rotating steel fork (code PR60TN)
- Dolly with adjustable heights
- Lights can be hung on the main tube along the truss and on the top braces
- Most cost-effective truss option
- Compatible with pre-rig Omnia and Revolution

TRUSS CODES

Vertical Fork			90° Rotating Fork		
Code	W × H × D (cm)	kg	Code	W × H × D (cm)	kg
PR60TV150	60 × 37.55 × 155	33	PR60TN150	60 × 37.55 × 155	43
PR60TV235	60 × 37.55 × 240	40	PR60TN235	60 × 37.55 × 240	55
PR60TV300	60 × 37.55 × 305	48	PR60TN300	60 × 37.55 × 305	63

Connections

PRE-RIG Truss **Classic**

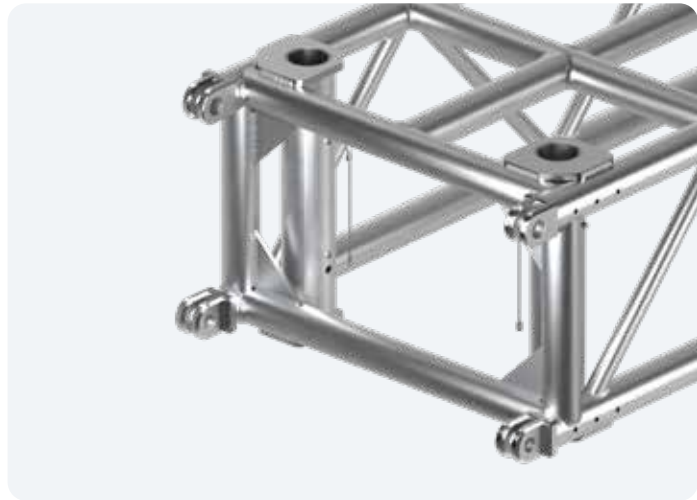


Forks connect using a steel pin or optional bolt-and-nut kits. With the PR60TV model (vertical forks), a pair of **KHL90LS** and **KHL90RS** is required to change the orientation of the fixed forks.

				
KHLP	KHLB	KHLD	KHL90LS	KHL90RS
20 mm steel connection pin with 3 mm safety clip	M20 screw bolt + spring washer	M20 screw nut + spring washer	90° double-fork steel connector that converts fixed vertical fork orientation to horizontal. Left-side mounting	90° double-fork steel connector that converts fixed vertical fork orientation to horizontal. Right-side mounting

Versions by Fork Orientation

The Classic series is available in two versions: the PR60TV model with fixed forks in vertical orientation, and the PR60TN model with forks that rotate 90° to be positioned either vertically or horizontally.



PR60TV
Fixed forks—vertical orientation



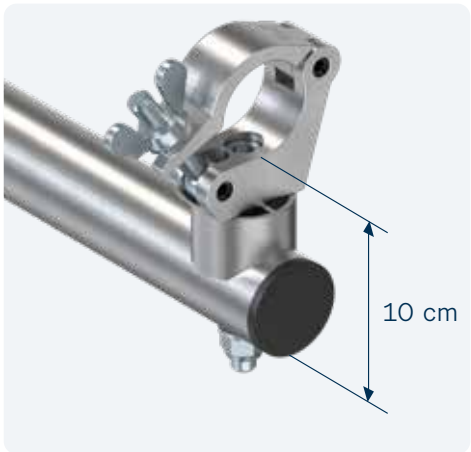
PR60TN
Forks can be positioned in either vertical or horizontal orientation using a standard Allen key

Spacer

PRE-RIG **CLASSIC**

Lighting bar for move the hanging point 10 cm lower

- PR60LB150**
for truss **PR60TV150, PR60TN150**
- PR60LB235**
for truss **PR60TV235, PR60TN235**
- PR60LB300**
for truss **PR60TV300, PR60TN300**



This spacer lowers the attachment point of the lighting fixtures by 10 cm and can be removed easily, even when the fixtures are already hanging.

Corner gates

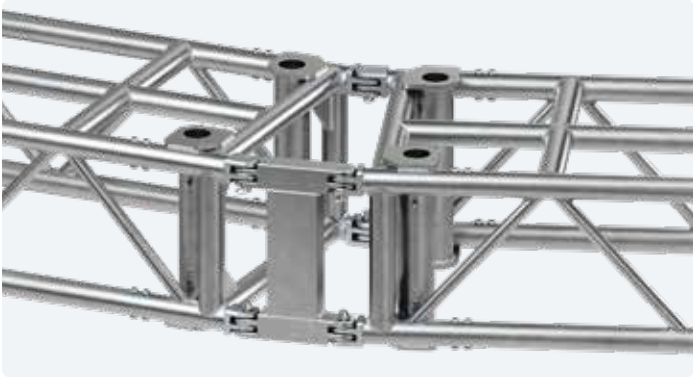
Coupling modules available in different lengths to achieve a wide range of angles. In addition to the models listed here, alternative versions are available, and **custom designs** can be produced to match your stage requirements.

HL60 PRERIG GATE

2 WAY 20°

Connects two horizontal truss to form a 20° angle.*

Code	W × D × H (cm)	Kg
PR60FP019M1	24.1 × 35.5 × 5	4
2-way 20° gate		

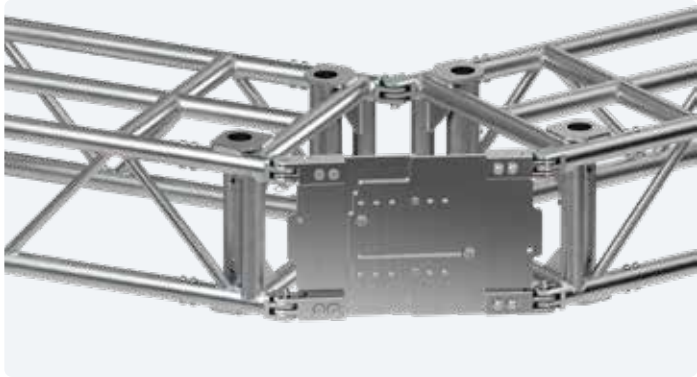


HL60 PRERIG ADJUSTABLE GATE

45-90°

Connects two horizontal trusses at an adjustable angle.*

Code	W × D × H (cm)	Kg
PR60FPL2ADJ	(60 - 82.8) × 35.5 × 9	13
2-way 45° – 90° adjustable gate		

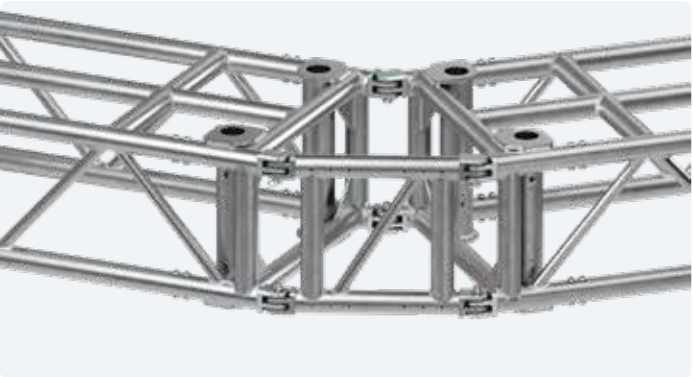


HL60 PRERIG GATE

2 WAY 45°

Connects two horizontal trusses to form a 45°angle.*

Code	W × D × H (cm)	Kg
PR60FP042M1	47.1 × 35.5 × 5	5.1
2-way 45° gate		



HL60 PRERIG GATE

2 WAY 90°

Connects one vertical and one horizontal truss to form a 90° angle.*

Code	W × D × H (cm)	Kg
PR60FV043M1	48.1 × 60 × 5	6.2
2-way 90° vertical mounting gate		

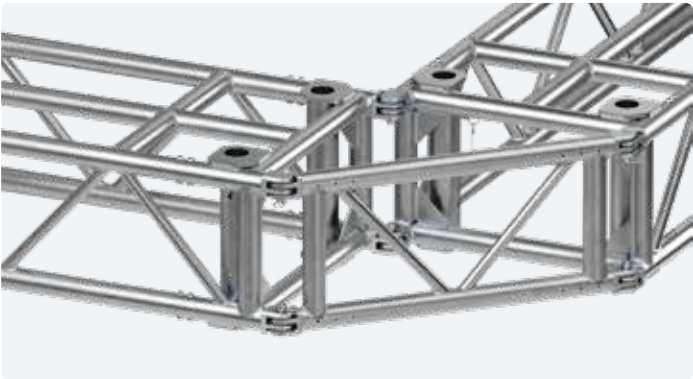
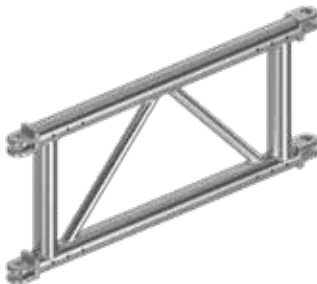


HL60 PRERIG GATE

2 WAY 90°

Connects two horizontal truss to form a 90° angle.*

Code	W × D × H (cm)	Kg
PR60FP077M8	82.8 × 35.5 × 5	6.5
2-way 90° gate		



***Note:** When compatibility between the PR60TV series (with vertical forks) and other trusses or frames with horizontal forks is required, two fork adapters must be used, code **KHL90LS** for the left sides and **KHL90RS** for the right sides. However, this solution may introduce instability to the overall structure and should be carefully evaluated during the set-up operations.





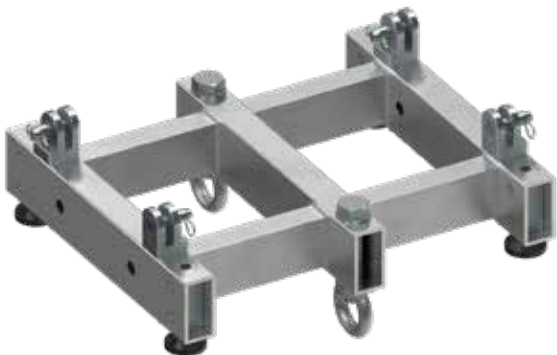
Multi-Purpose End Block

PRE-RIG Truss **Classic**

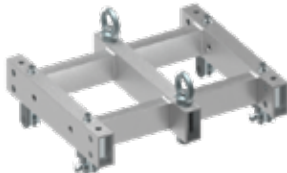


A single module for three different applications. It can be used as a base with adjustable feet **A** as a top unit with lifting eyes **B** for vertical truss operation, or as a parallel coupling unit to lift multiple trusses as a single block **C**

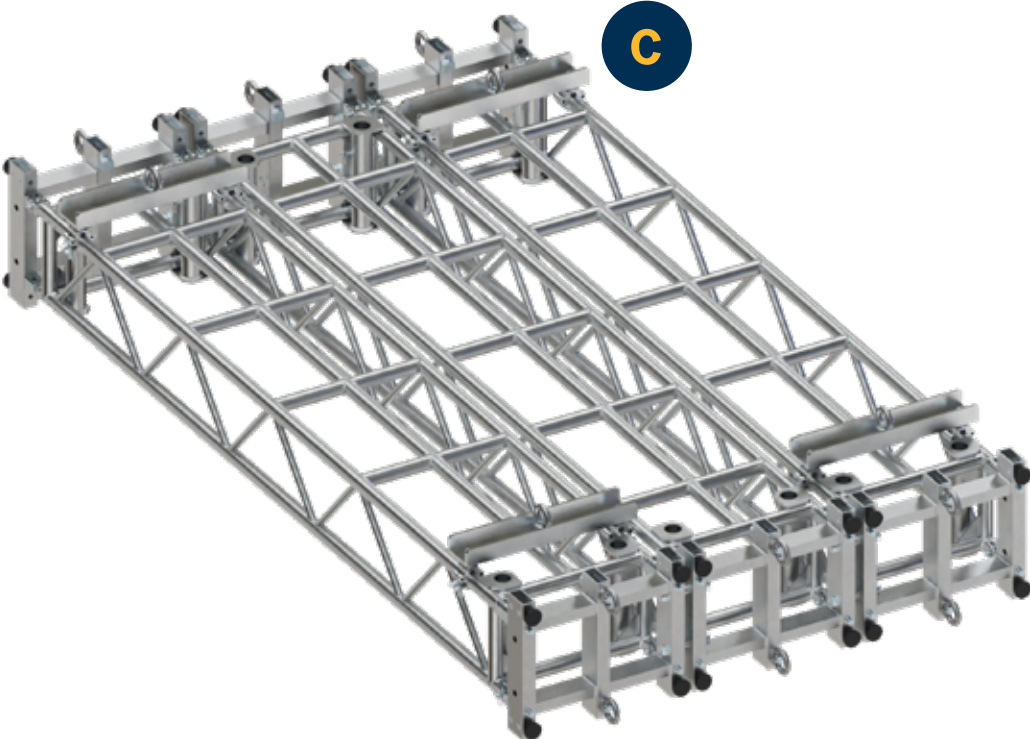
PR60B01
Aluminium End Block



B



C

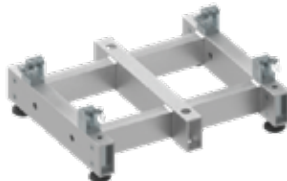


KIT-65
Screws for coupling the trusses together.



C060
Bar Hook module for system anchoring

A



Rotation End Blocks

PRE-RIG
CLASSIC

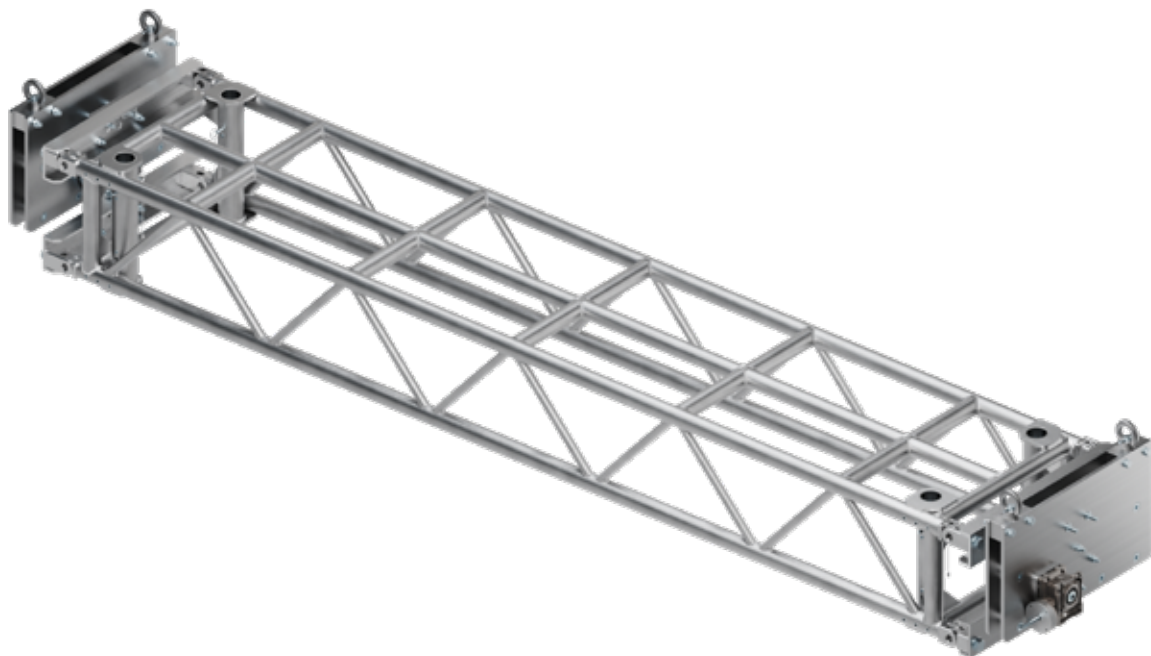
Rotation modules allow the truss to turn on itself from 0° to 180°. Both modules must be mounted at the truss ends. Truss rotation is uncommon, but effective when fixture movement is required.



PR60JF-001 features only the passive turning gear.



PR60JR-001 is equipped with a gear mechanism that can be operated manually or with a power drill.



Dollies

Adjustable-height dolly with detachable base and fixed legs



PR60DF150
for truss PR60TV150, PR60TN150

PR60DF235
for truss PR60TV235, PR60TN235

PR60DF300
for truss PR60TV300, PR60TN300



With the dolly disassembled, the arm with the quick-release locks of the base can be removed and mounted onto tubular stubs.

Adjustable-height dolly with detachable base and legs



PR60DE150
for truss PR60TV150, PR60TN150

PR60DE235
for truss PR60TV235, PR60TN235

PR60DE300
for truss PR60TV300, PR60TN300



The removable legs are secured to the base with a double spigot connection; a system commonly used in the LITEC Truss Plated line. The entire dolly can be completely disassembled.

Stackable option

Two pre-rig Classic modules can be easily stacked for handling and storage.

Stacking two complete pre-rig systems with mounted fixtures may become unstable during handling. For safe operation, the two systems must be secured together with ratchet straps.

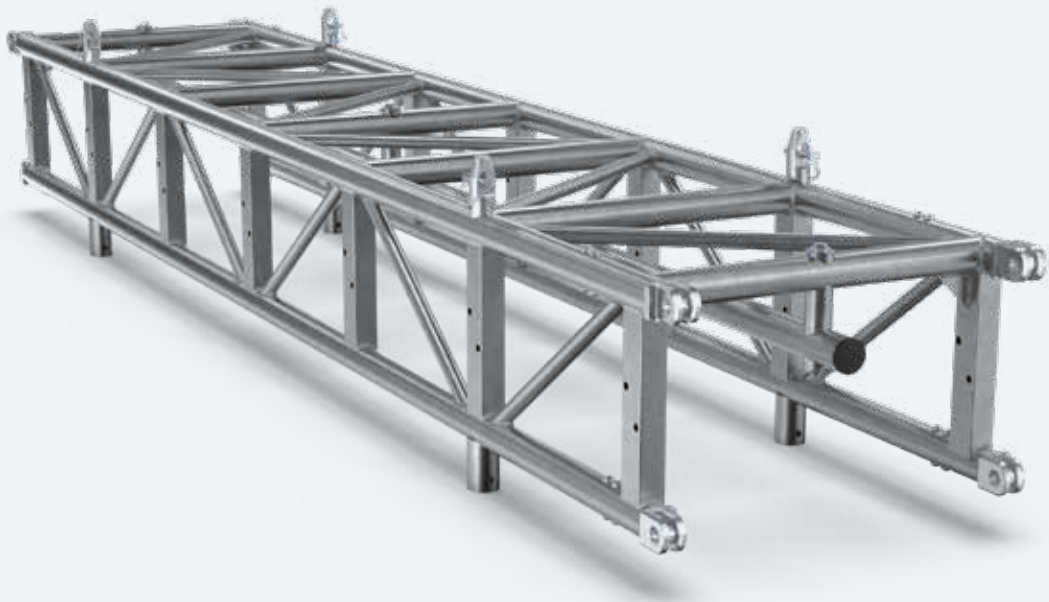
DOLLY CODES			
Code	W × H × D (cm)	kg	
PR60DF150	60 × 95.2 × 132.35	23	
PR60DF235	60 × 95.2 × 217.35	24.5	
PR60DF300	60 × 95.2 × 282.35	26	
PR60DE150	60 × 95.2 × 132.35	24.5	
PR60DE235	60 × 95.2 × 217.35	27	
PR60DE300	60 × 95.2 × 282.35	28.5	



Upside-down configuration



During live use, the dolly can be mounted upside down in a “handrail-style” configuration, eliminating the need for separate storage.

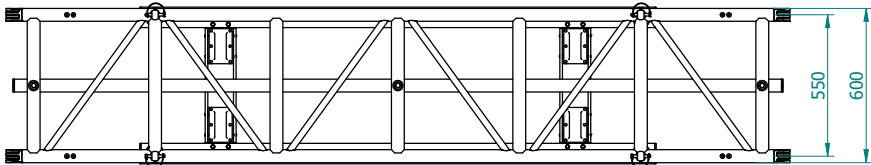
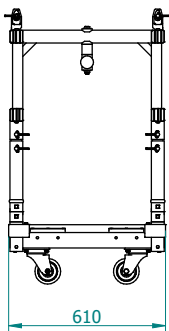
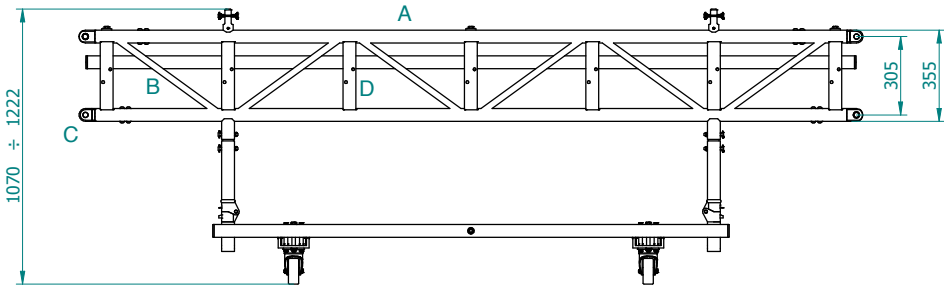


Made to advance

Omnia takes the pre-rig 60 concept to the next level. Stackable and redesigned with a new diagonal layout, it comes with suspension flanges ready for 3.25 t and 4.75 t shackles.

It can also be upgraded with the addition of structural profiles, to be mounted onto the lateral support tubes. (further details available on request)

Chords A	Diagonals B	Ends C	Side Fixing profiles D	Connection system
Extruded tube Ø50 × 4 mm EN AW-6082 T6	Extruded tube Ø25.4 × 3.2 mm EN AW-6082 T6	Steel fork connector 11SMn37	Extruded tube Ø50 × 40 × 3 mm EN AW-6082 T6	KHLP 20 mm galvanized pin + safety R-clip



KEY FEATURES

- Screw-fastened rotating forks (90° step) with tool code TZK04
- Lights can be hung on the removable main tube and on the top braces
- 3.25t and 4.75t shackles can be hung on the steel supports on top of the truss
- Stackable design – for both individual dollies and complete lighting systems
- Provision for fastening aluminium structural profiles. Contact us for details
- Compatible with Pre-Rig Classic and Revolution

TRUSS CODES

Code	W × H × D (cm)	kg
PR60TO200	60 × 50.7 × 205	50.5
PR60TO300	60 × 50.7 × 305	62.5





Forks connect using a steel pin or optional bolt-and-nut kits.



KHLP
20 mm steel connection pin
with 3 mm safety clip



KHLB
M20 screw bolt
+ spring washer



KHLD
M20 screw nut
+ spring washer



TZK04
Allen key for fork connection

Corner gates

Coupling modules available in different lengths to achieve a wide range of angles. In addition to the models listed here, alternative versions are available, and custom designs can be produced to match your stage requirements.

HL60 PRERIG GATE
2 WAY 20°
Connects two horizontal truss to form a 20° angle.*

Code	W × D × H (cm)	Kg
PR60FP019M1	24.1 × 35.5 × 5	4

2-way 20° gate



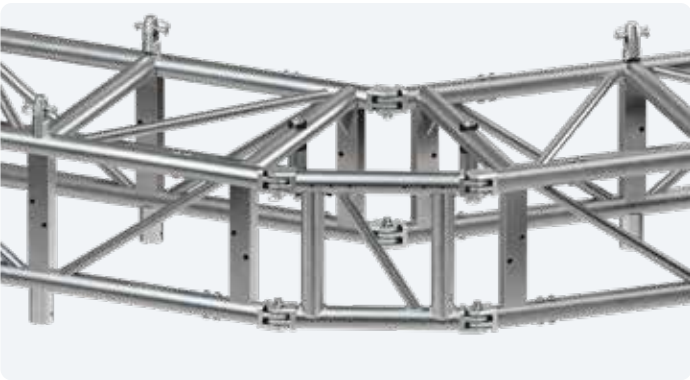


HL60 PRERIG GATE
2 WAY 45°
Connects two horizontal trusses to form a 45°angle.*

Code	W × D × H (cm)	Kg
PR60FP042M1	47.1 × 35.5 × 5	5.1

2-way 45° gate





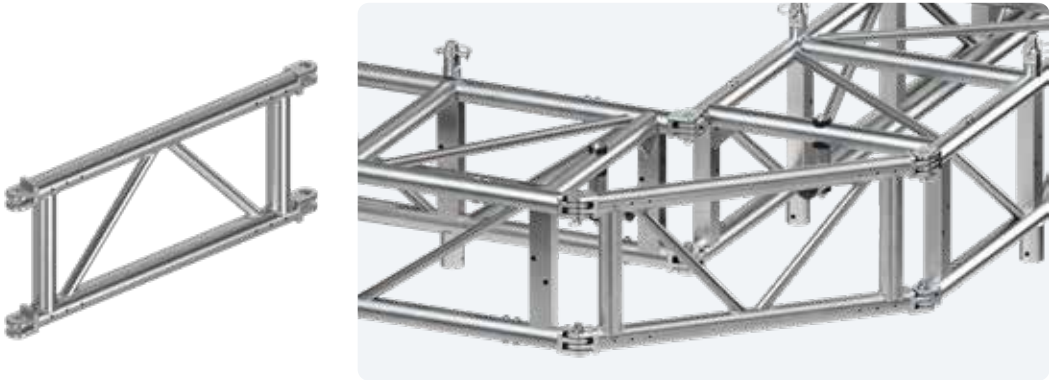
HL60 PRERIG GATE

2 WAY 90°

Connects two horizontal truss to form a 90° angle.*

Code	W × D × H (cm)	Kg
PR60FP077M8	82.8 × 35.5 × 5	6.5

2-way 90° gate



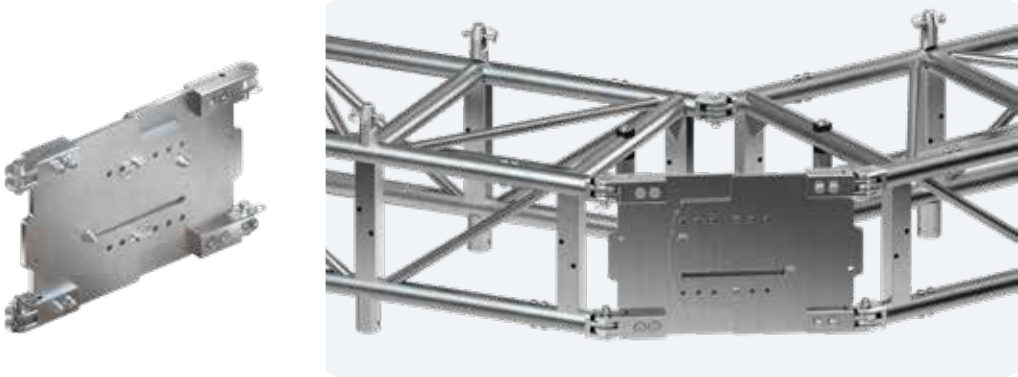
HL60 PRERIG
ADJUSTABLE GATE

45-90°

Connects two horizontal trusses at an adjustable angle.*

Code	W × D × H (cm)	Kg
PR60FPL2ADJ	(60 - 82.8) × 35.5 × 9	13

2-way 45° – 90° adjustable gate



HL60 PRERIG GATE

2 WAY 90°

Connects one vertical and one horizontal truss to form a 90° angle.*

Code	W × D × H (cm)	Kg
PR60FV043M1	48.1 × 60 × 5	6.2

2-way 90° vertical mounting gate



18 LITEC⁴

PRE-RIG Truss

Omnia

LITEC⁴ 19



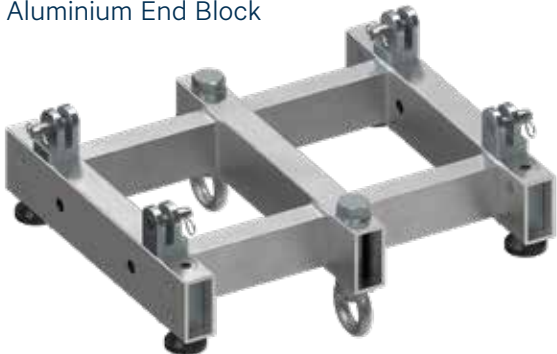
Multi-Purpose End Block

PRE-RIG Truss Omnia

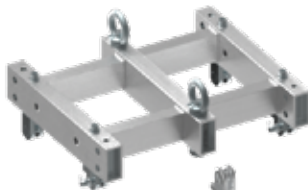


A single module for three different applications. It can be used as a base with adjustable feet **A** as a top unit with lifting eyes **B** for vertical truss operation, or as a parallel coupling unit to lift multiple trusses as a single block **C**

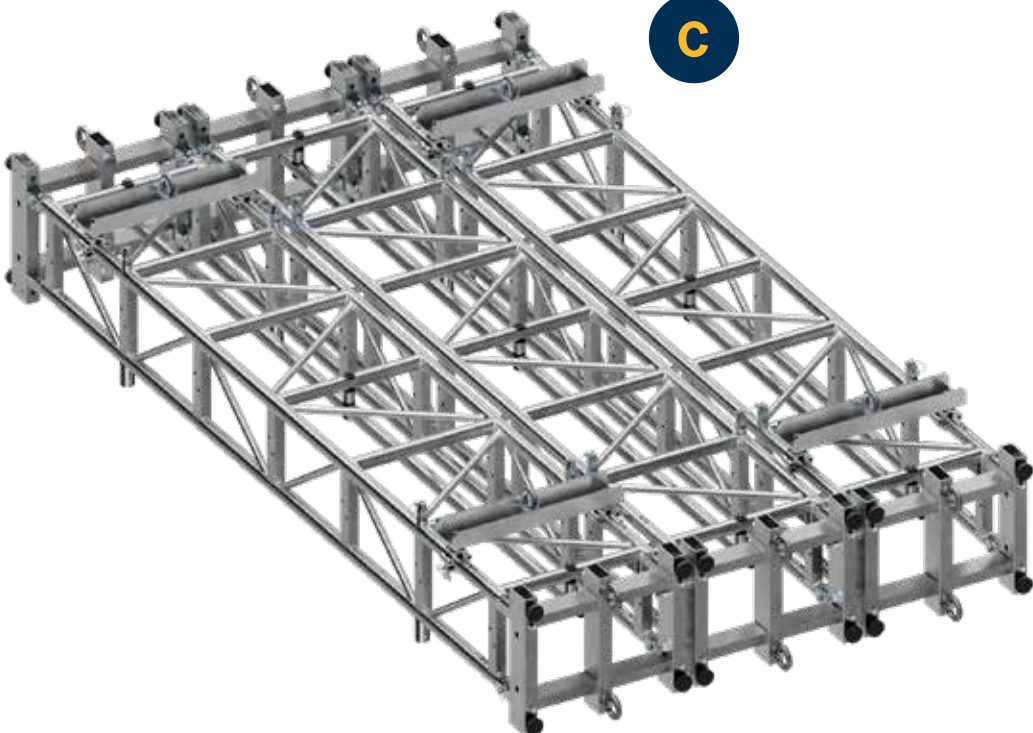
PR60B01
Aluminium End Block



B



C

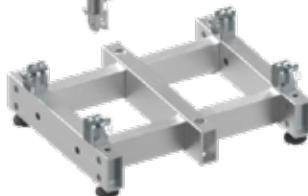


LT KIT-65
Screws for coupling the trusses together.



LT C060
Bar Hook module for system anchoring

A



Rotation End Blocks

PRE-RIG
OMNIA

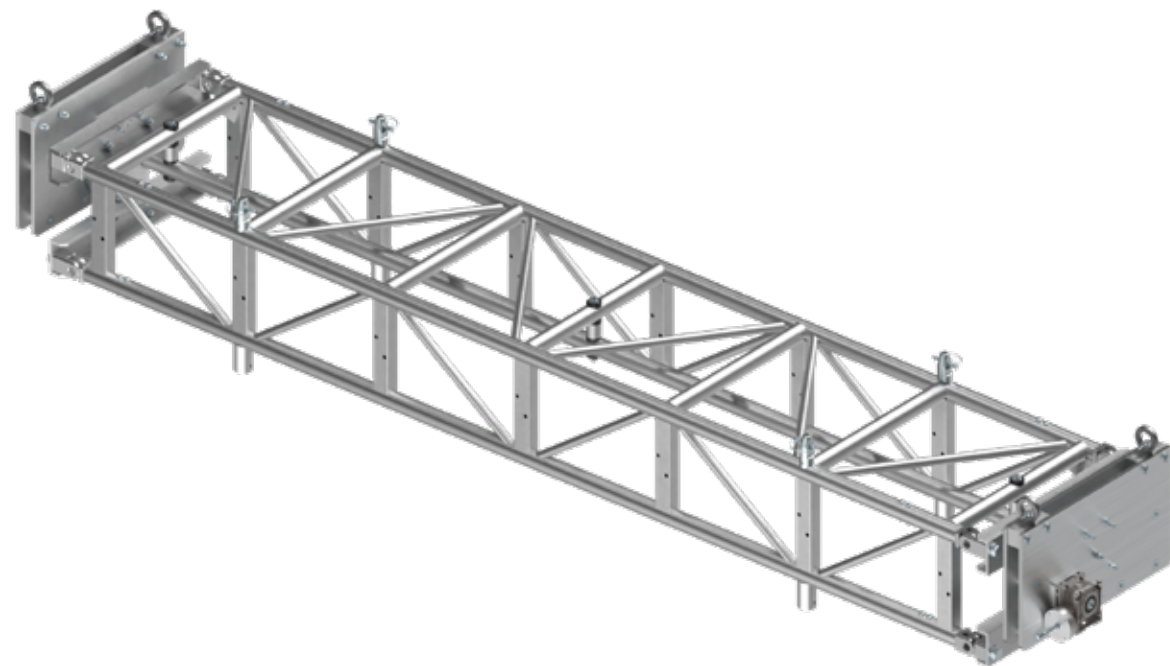
Rotation modules allow the truss to turn on itself from 0° to 180°. Both modules must be mounted at the truss ends. Truss rotation is uncommon, but effective when fixture movement is required.



PR60JF-001 features only the passive turning gear.



PR60JR-001 is equipped with a gear mechanism that can be operated manually or with a power drill.



There is a single model for the Omnia series, available in two lengths. More compact than the Classic and Revolution lines, it can be stacked thanks to its foldable legs with snap joint.

Adjustable-height dolly with foldable legs

PR60DF2000
for truss **PR60T0200**

PR60DF3000
for truss **PR60T0300**

DOLLY CODES			
Code	W × H × D (cm)	kg	
PR60DF2000	61 × (62.35 - 77.85) × 152	38	
PR60DF3000	61 × (62.35 - 77.85) × 201	40.5	

The dollies are easily stackable thanks to their foldable snap-lock legs.
The trusses are likewise designed for efficient warehouse stacking.



Two pre-rig Omnia modules can be easily stacked for handling and storage.
Stacking two complete pre-rig systems with mounted fixtures may become unstable during handling. For safe operation, the two systems must be secured together with ratchet straps.



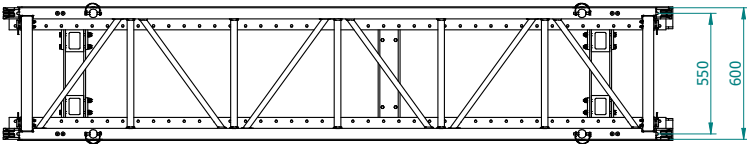
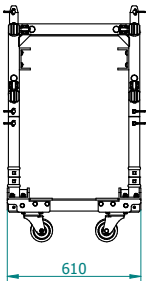
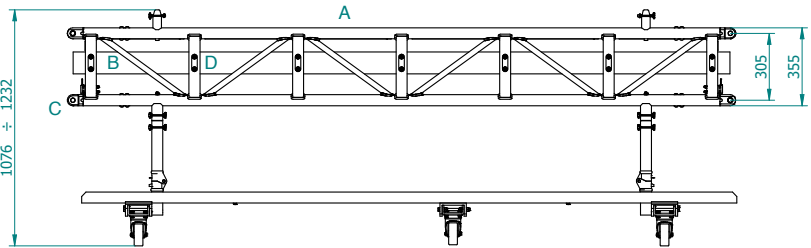


Pre-rig
Innovation:
One-Person
Setup

The most advanced solution for transporting lighting fixtures: a revolutionary pre-rig truss system. Unlike standard designs, it lets one operator mount fixtures quickly and safely.

Fixtures are mounted on carriages sliding along two aluminium rails, making them easy to position, adjust, and remove.

Chords A	Diagonals B	Ends C	Side fixing profiles D	«C» sliding profile E	Connection system
Extruded tube Ø50 x 4 mm EN AW-6082 T6	Extruded tube Ø25.4 x 3.17 mm EN AW-6082 T6	Aluminium fork connector EN AW-6082 T6	Extruded tube Ø50 x 50 x 3 mm EN AW-6082 T6	C aluminium profile 100 x 50 x 8 mm EN AW-6082 T6	KHLP 20 mm galvanized pin + safety R-clip



KEY FEATURES

- Rotating forks (90° step)
- Compatible with pre-rig Omnia and Classic
- Loads can be hung along the truss via the two C-profiles bolted to the sides.
(use load carriages PR60RC-002 / PR60RC-003)
- Stackable design - both for individual dollies and for complete systems with lights

TRUSS CODES		
Code	W x H x D (cm)	kg
PR60TR200RZ3	60 x 50.4 x 205	57.5
PR60TR235RZ3	60 x 50.4 x 240	63.7
PR60TR300RZ3	60 x 50.4 x 305	75.5



The forks rotate 360° and lock in place with a spring pin at 90° steps.



Forks connect using a steel pin or optional bolt-and-nut kits.



KHLP
20 mm steel connection pin
with 3 mm safety clip



KHLB
M20 screw bolt
+ spring washer



KHLD
M20 screw nut
+ spring washer

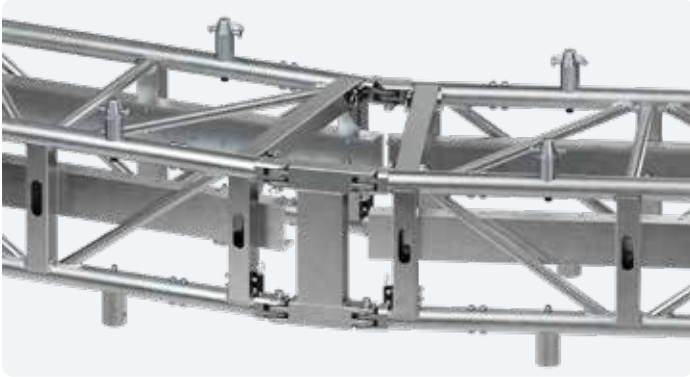
Corner gates

Coupling modules available in different lengths to achieve a wide range of angles. In addition to the models listed here, alternative versions are available, and custom designs can be produced to match your stage requirements.

HL60 PRERIG GATE
2 WAY 20°
Connects two horizontal truss to form a 20° angle.*

Code	W × D × H (cm)	Kg
PR60FP019M1	24.1 × 35.5 × 5	4

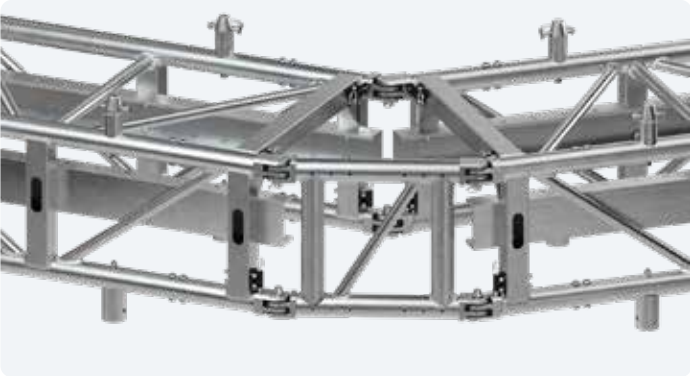
2-way 20° gate



HL60 PRERIG GATE
2 WAY 45°
Connects two horizontal trusses to form a 45°angle.*

Code	W × D × H (cm)	Kg
PR60FP042M1	47.1 × 35.5 × 5	5.1

2-way 45° gate



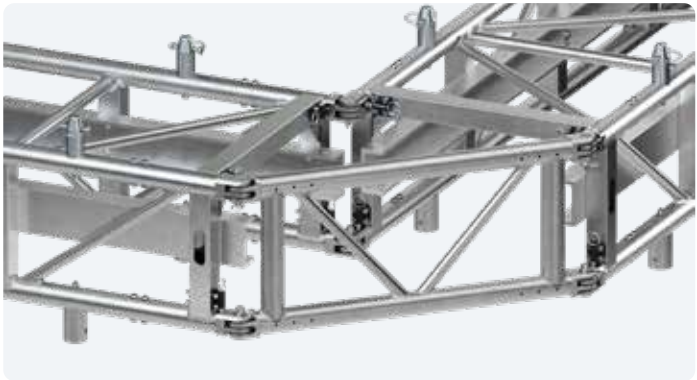
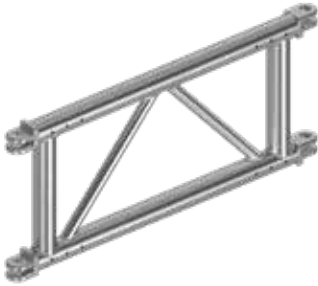
HL60 PRERIG GATE

2 WAY 90°

Connects two horizontal truss to form a 90° angle.*

Code	W × D × H (cm)	Kg
PR60FP077M8	82.8 × 35.5 × 5	6.5

2-way 90° gate



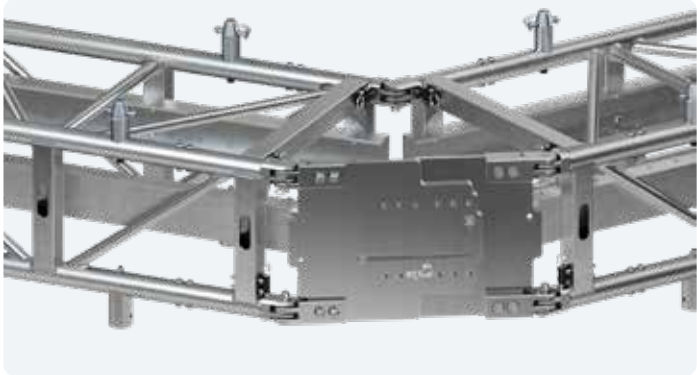
**HL60 PRERIG
ADJUSTABLE GATE**

45-90°

Connects two horizontal trusses at an adjustable angle.*

Code	W × D × H (cm)	Kg
PR60FPL2ADJ	(60 - 82.8) × 35.5 × 9	13

2-way 45° – 90° adjustable gate



HL60 PRERIG GATE

2 WAY 90°

Connects one vertical and one horizontal truss to form a 90° angle.*

Code	W × D × H (cm)	Kg
PR60FV043M1	48.1 × 60 × 5	6.2

2-way 90° vertical mounting gate





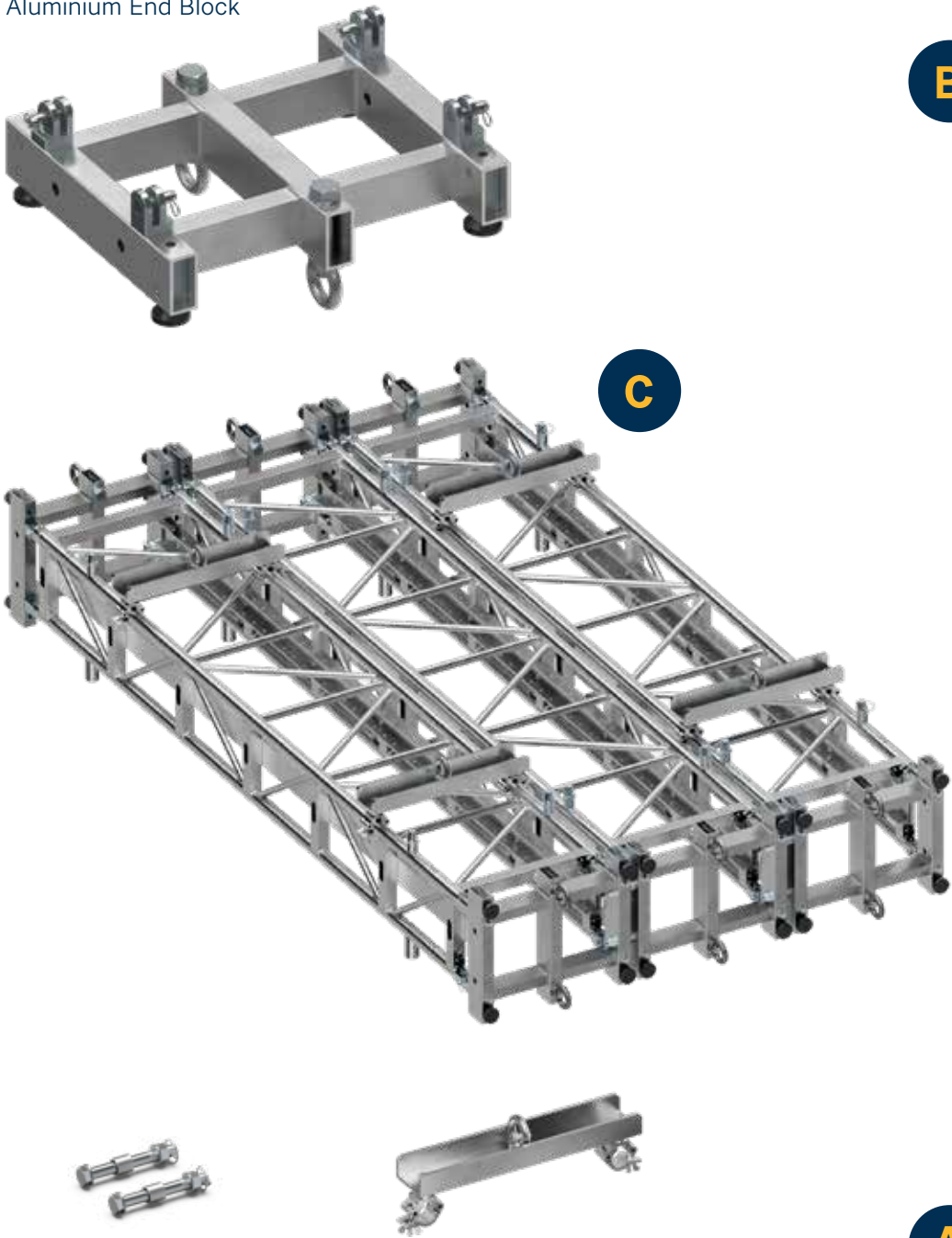
Multi-Purpose End Block

PRE-RIG Truss **Revolution**



A single module for three different applications. It can be used as a base with adjustable feet **A** as a top unit with lifting eyes **B** for vertical truss operation, or as a parallel coupling unit to lift multiple trusses as a single block **C**

PR60B01
Aluminium End Block



LT KIT-65
Screws for coupling the trusses together.

LT C060
Bar Hook module for system anchoring

B

A

C



Rotation End Blocks

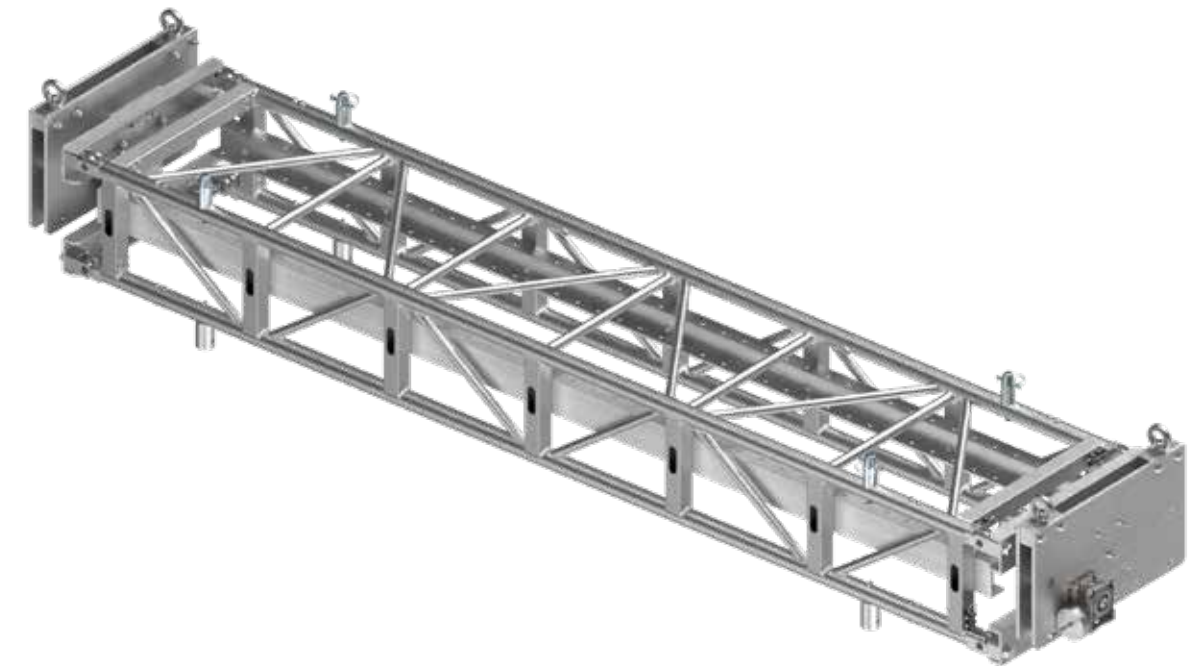
PRE-RIG
REVOLUTION

Rotation modules allow the truss to turn on itself from 0° to 180°. Both modules must be mounted at the truss ends. Truss rotation is uncommon, but effective when fixture movement is required.



PR60JF-001 features only the passive turning gear.

PR60JR-001 is equipped with a gear mechanism that can be operated manually or with a power drill.



Dollies

The dolly for the Revolution series is available in two lengths, both featuring telescopic tubes. The number of swivel casters varies according to the dolly length, ensuring optimal handling during truck loading. In addition to the standard sizes, **custom-length** dollies can be supplied for non-standard truss configurations.

Adjustable-height dolly with foldable legs

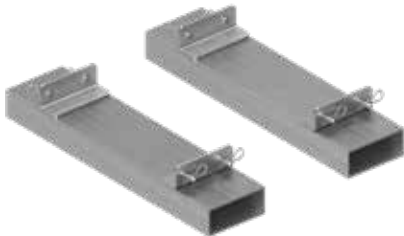
PR60DF200RZ3
for truss **PR60TR200RZ3**

PR60DF300RZ3
for truss **PR60TR300RZ3**

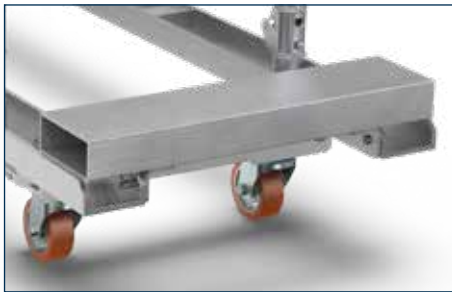
The dollies are easily stackable thanks to their foldable snap-lock legs.



Forklift kit



PR76LP-A001
Pair of truss accessories, enables forklift handling. When not in use, they can be stored in the dedicated housing on dolly profiles.



Stackable option

Two pre-rig Omnia modules can be easily stacked for handling and storage.

Stacking two complete pre-rig systems with mounted fixtures may become unstable during handling. For safe operation, the two systems must be secured together with ratchet straps.

DOLLY CODES		
Code	W × H × D (cm)	kg
PR60DF200RZ3	61 × (62.25 - 77.75) × 199	47
PR60DF300RZ3	61 × (62.25 - 77.75) × 299	65



Load Carriages

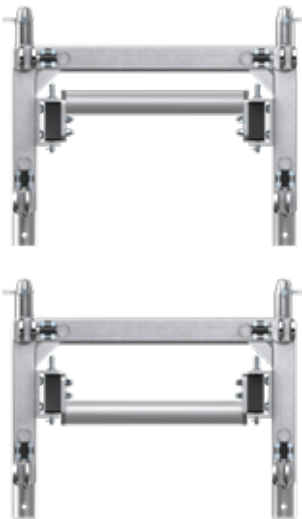
PR60RC-002 / PR60RC-003
The Revolution series uses two C-shaped aluminium profile rails on which the carriages slide to position and secure the fixtures. Each carriage, equipped with Teflon skates, locks the moving light and glides smoothly inside the truss.

PR60RC-002

Standard version

PR60RC-003

Extended version for more accurate positioning



Carriage mountable in two positions for different fixture heights

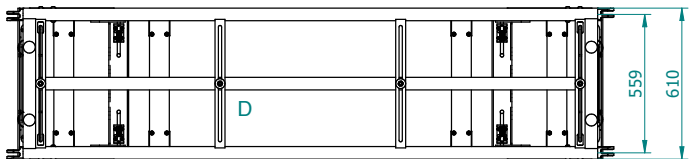
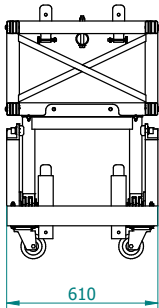
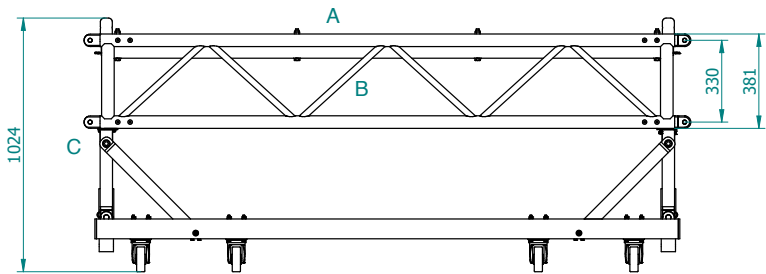
Low Pro

The **Litec Low Pro** is the smart choice for professionals seeking compactness, strength and flexibility in one solution.

With a 61 cm width and multiple lengths, it delivers maximum versatility in minimal space.

Designed as a pre-rig truss, it streamlines conventional and moving lights management. Its innovative cart features variable height, folds flat and reduces storage volume.

Chords A	Diagonals B	Ends C	Lighting Bar D	Connection system
Extruded tube Ø50.8 × 4.76 mm EN AW-6082 T6	Extruded tube Ø25.4 × 3.17 mm EN AW-6082 T6	Steel fork connector galvanized 11SMn37	Extruded tube Ø40 × 40 × 3.17 mm EN AW-6082 T6	CPK16 16 mm galvanized pin + safety R-clip



KEY FEATURES

- Rotating forks
- Height adjustable
- Stackable design - both for individual dollies and for complete systems with lights

TRUSS CODE		
Code	W × H × D (cm)	kg
LPT2400	62.06 × 44.55 × 245	57

Low Pro is currently supplied in a single model. Other lengths available on request.

Connection



Forks connect using a steel pin.



CPK16
16 mm steel connection pin
with 3 mm safety clip

Corner gates

Coupling modules available in different lengths to achieve a wide range of angles. In addition to the models listed here, alternative versions are available, and custom designs can be produced to match your stage requirements.

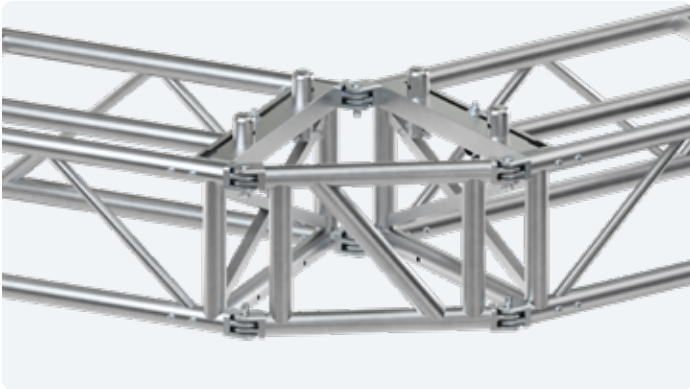
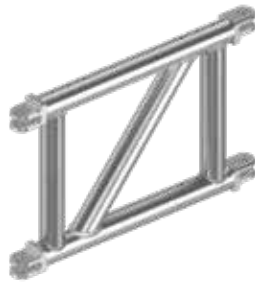
LOW PRO PRERIG GATE

2 WAY 60°

Connects two horizontal truss to form a 60° angle.

Code	W × D × H (cm)	Kg
LP04	60.88 × 38.02 × 5	6

2-way gate 20°



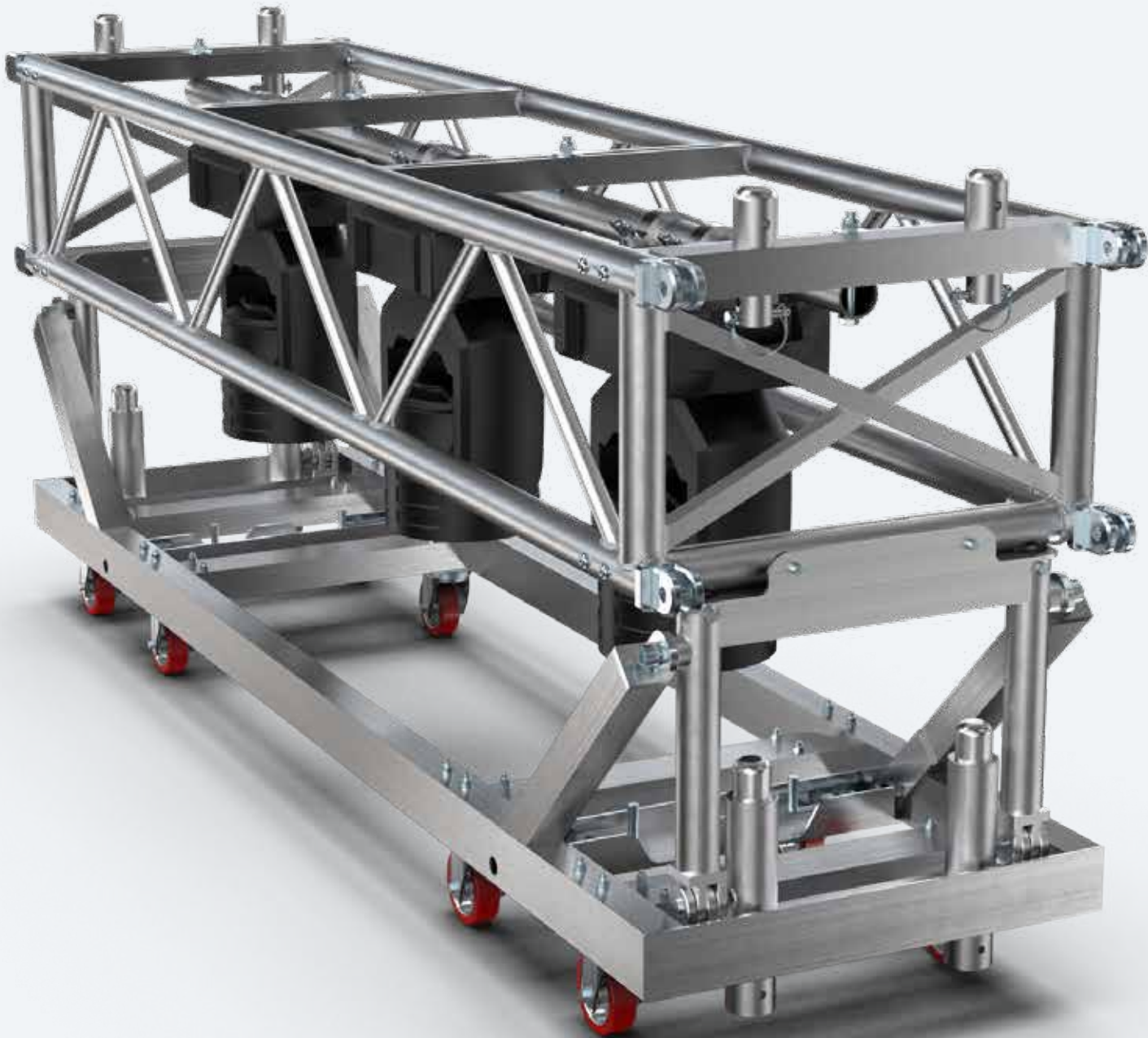
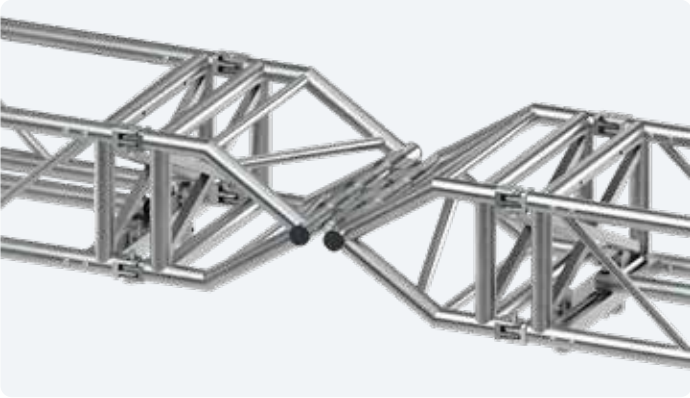
LOW PRO PRERIG LINK

HINGED JOINT

Two-wing joint with central pin allowing vertical truss movement.

Code	W × D × H (cm)	Kg
LP1000ADJ	105 × 64.08 × 38.02	26.5

Hinged joint



Durable 8-wheel swivel dolly, fully foldable and easily stackable.
Designed for maximum versatility, ready to go when needed and compact when stored.



DOLLY CODE			
Code	W × H × D (cm)	kg	
LPD2400	61.04 × (63.13 - 88.53) × 236.12	64	



Two pre-rig Low Pro modules can be easily stacked for handling and storage.
Stacking two complete pre-rig systems with mounted fixtures may become unstable during handling. For safe operation, the two systems must be secured together with ratchet straps.



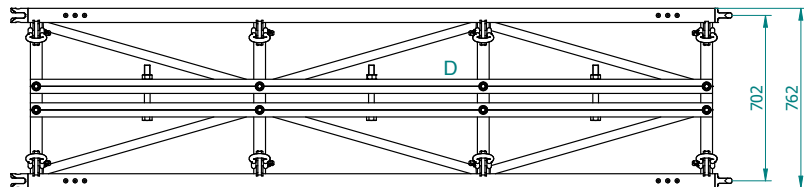
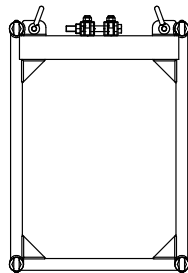
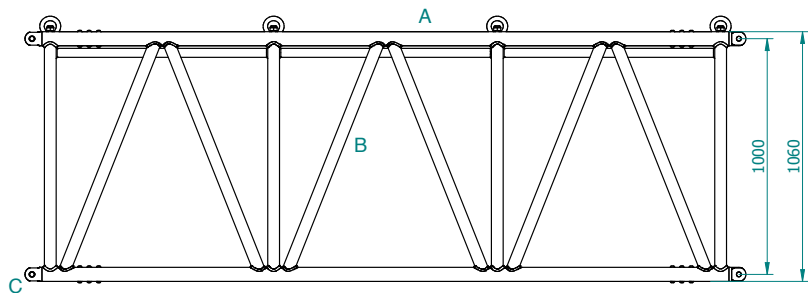


The pre-rig for chain hoists

The supplied shackles ensure a balanced load distribution.

The hoists are housed inside the structure and mounted on robust aluminium profiles, featuring 10 cm hole spacing for accurate positioning of each hoist.

Chords A	Diagonals B	Ends C	Hoist attachment profiles D
Extruded tube Ø60 x 4 mm EN AW-6082 T6	Extruded tube Ø25.4 x 3.17 mm EN AW-6082 T6	Steel fork connector 11SMn30	Aluminium profile 60 x 60 x 5 mm EN AW-6082 T6



Connection Pin



KHLPZ7

20 mm steel connection pin with 3 mm safety clip

KEY FEATURES

- Robust 60 x 60 x 5 mm hoist-carrying profile – EN AW-6082 T6
- Ø60 mm round steel forks – 11SMn30
- 10 cm spacing for motor anchoring
- Supplied with lifting shackles

TRUSS CODES

Code	W x H x D (cm)	kg
PR60TR200AZ2	109.05 x 76.2 x 306	155

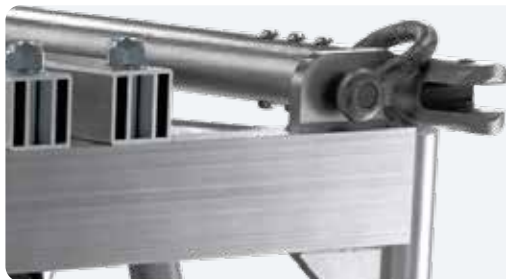
Muse is currently supplied in a single model.
Other lengths available on request

Muse leaves the factory with the forks positioned vertically. The forks feature threaded holes, allowing them either to remain in the vertical position or to be removed and refitted in a horizontal orientation, if necessary.



RL105TTZ1

Trolleys with swivel castors for handling



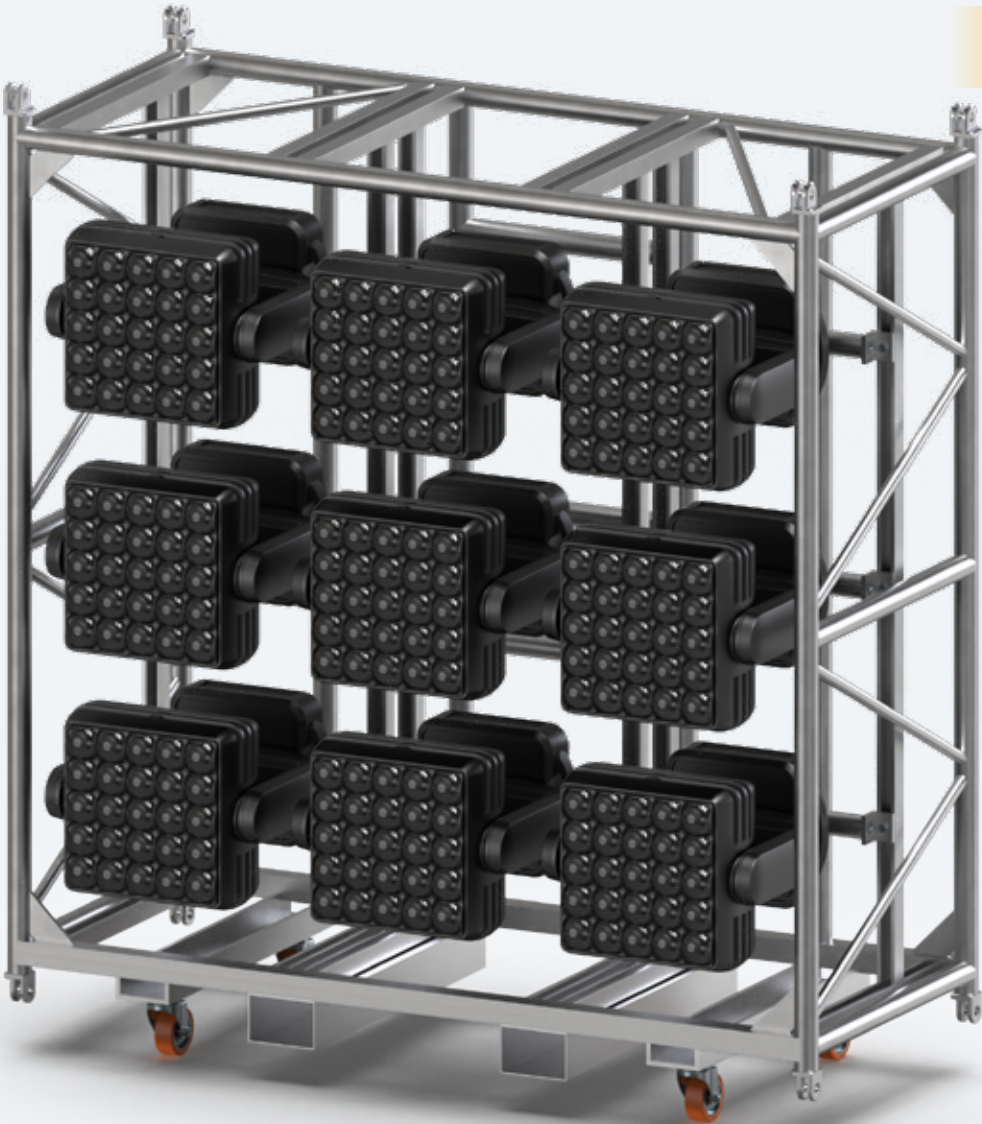


The Lighting Pod for your light walls

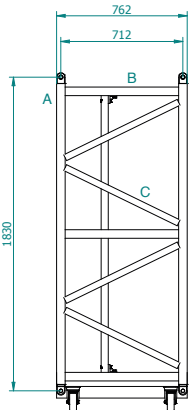
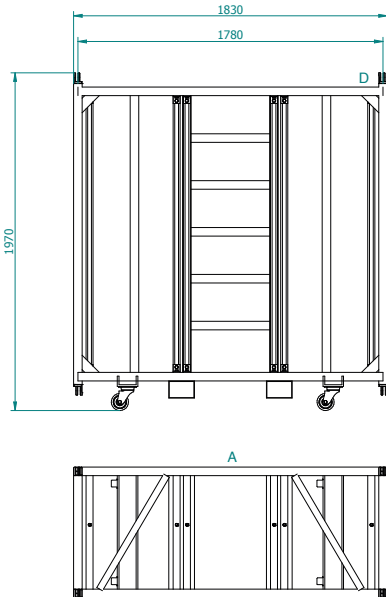
Keeping the spotlights and moving heads always ready for use yet safely protected within a robust aluminium frame.

Easy to store and transport, they are ready for any application.

The support arms for the lights can be easily attached, in the number and position required by your lighting setup.



Chords A
Extruded tube Ø50 x 4 mm EN AW-6082 T6
Chords B
Extruded tube Ø50 x 3 mm EN AW-6082 T6
Diagonals C
Extruded tube Ø38 x 4 mm EN AW-6082 T6
Ends D
Steel fork connector 11SMn30



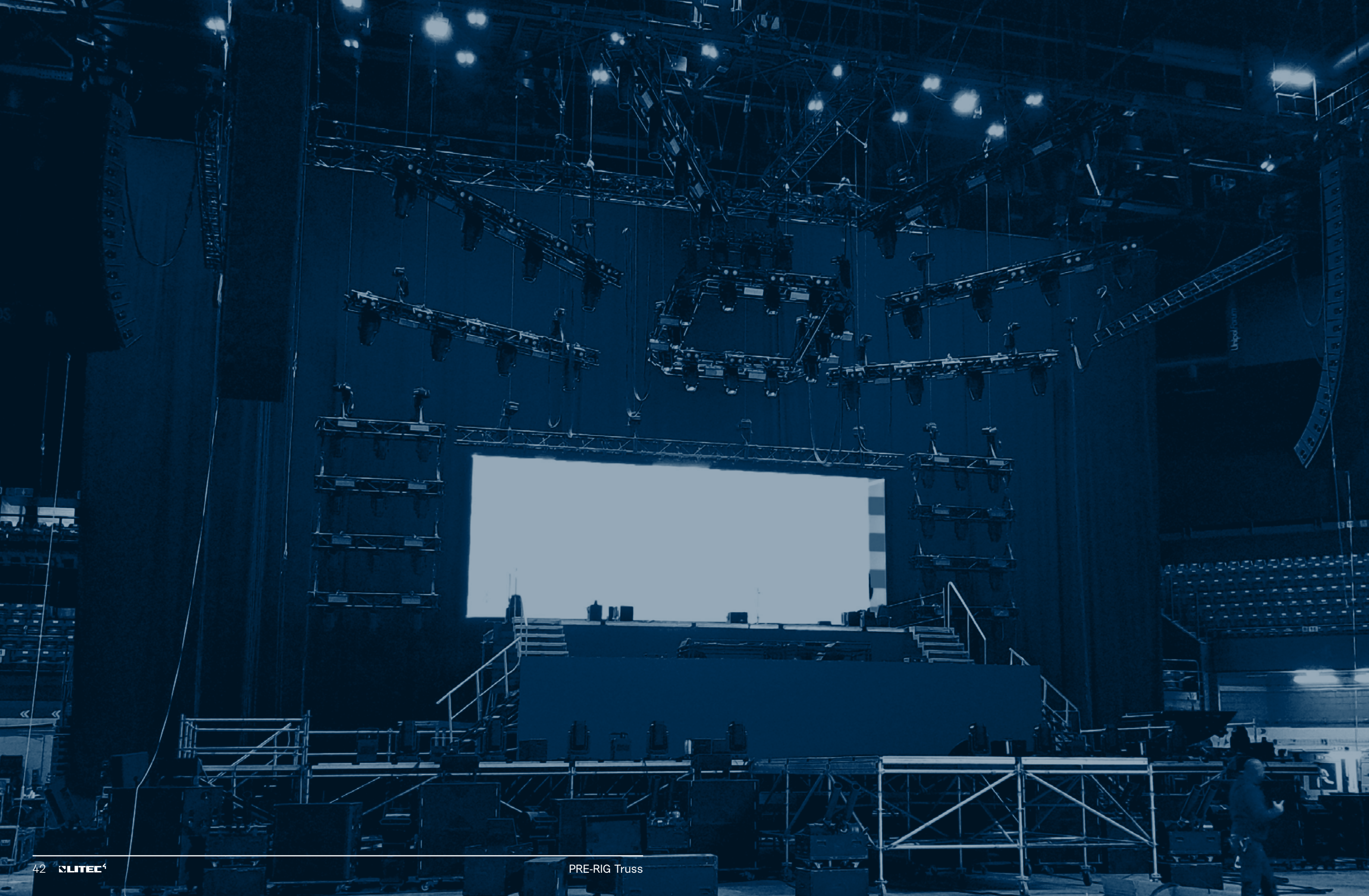
NEOPOD CODE		
Code	W × H × D (cm)	kg
PR76LP0101	183 × 197 × 76.2	120

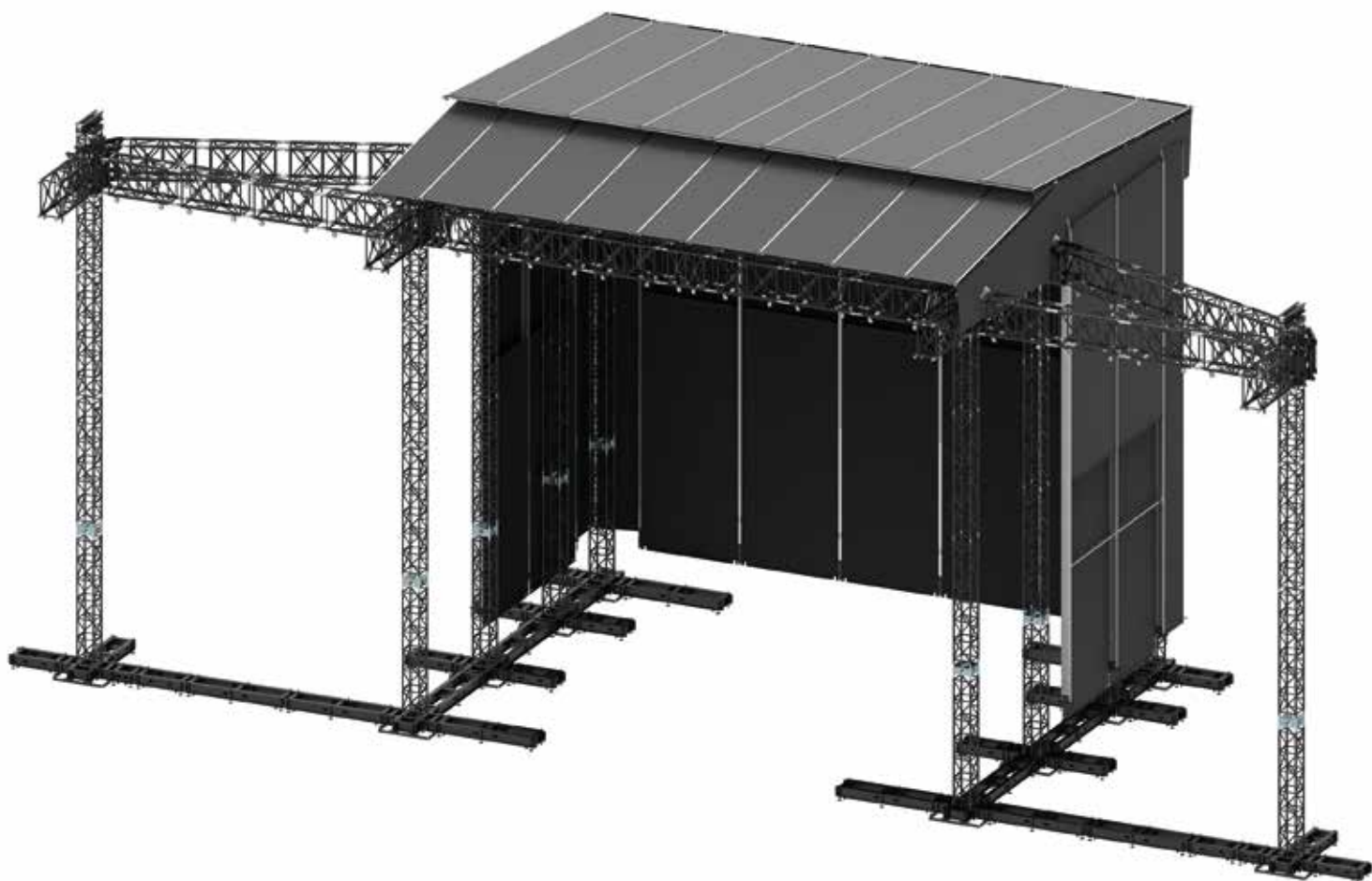


PR76LP-A001

The support arm for lights slides smoothly within the tracks and can be locked in any position, both **along the vertical tracks** and **within the tracks on the base and beneath the top**.

The fine spring-pressure adjustment also allows the lights **to be positioned further forward**, ensuring precise and flexible placement.





Roof Systems

Roof Systems

LITEC has always been a forerunner in the search for safe and high-performance roof systems. The solutions available are numerous both for dimensions and typologies; from the smallest and lightest to the biggest thought for high load bearing capacity on wide spans. Easy to build, these structures consist almost entirely of standard components. They are equipped with self-extinguishing roofing sheets, wind bracing kits and ballast accessories.

END PLATED Trusses Roof Systems	3	FORK Trusses Roof Systems	53
Arc 6x4 m	4	QL40A Single Pitch 14x10 m	54
Arc 8x6 m	6	QL52A Double Pitch 15x12 m	56
Single Pitch 8x6 m	8	RL76A Double Pitch 18x16 m	58
Double Pitch 8x6 m	10	RL76A Double Pitch 21x16 m	60
Single Pitch 10x8 m	12	RL105A Double Pitch 21x16 m	62
Double Pitch 10x8 m	14	RL105A Double Pitch 24x16 m	64
Double Pitch 12x10 m	16	MyT Folding Steroid 33x20 m	66
LIBERA STAR Trusses Roof Systems	21		
LIBERA FL52 Single Pitch 14x12 m	22		
LIBERA FL52 Double Pitch 14x12 m	24		
LIBERA FL76 Single Pitch 15x13 m	26		
Alusfera 1.0 16x8	28		
LIBERA FL52 Double Pitch 16x12 m	30		
LIBERA FL76 Single Pitch 17x13 m	32		
LIBERA FL76 Double Pitch 17x13 m	34		
LIBERA FL76 Single Pitch 19x13 m	36		
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END PLATED Trusses Roof Systems

Reliability

Easy to assemble, the LITEC roof systems use as many standard production parts as possible. The end-plated truss line stands out for its design, durability and reliability. The towers are the well known manual or motorized Towerlift and Varitower.

Thanks to their modularity, these roof systems may be expanded depthwise and fitted with lateral PA wings for hanging audio or video systems.

They are recommended both for temporary and permanent installations performing excellently even in high winds due to the restraining devices adopted and materials used.

Arc

6x4 m



Arc Roof Systems highlight the specifics of their components: the reliability and strength of end-plated trusses and the intuitive technical and constructive know-how of the custom-made parts. Easy to assemble, they use as many standard production parts as possible. Thanks to their modularity, they may be expanded depthwise to build long tunnels. They are recommended both for temporary and permanent installations. They are particularly suitable for tourist centres, public parks, squares and exhibition areas, even in town centres, given their visual impact.

The bases of arc roof systems can be fitted to ground plates. This accessory makes ballast weight positioning and staying operations easier.

Dimensions

Distributed Load considering wind pressure	→	3090 kg
Uniformly distributed load UDL*	→	3900 kg
Weight	→	410 kg
Transport volume	→	5.4 m³
Covered area/storage volume ratio**	→	4.5
Towers	→	4 fixed legs
Trusses for lifter	→	QX30SA
Trusses for roof	→	QX30SA
Roofing sheet	→	Self-extinguishing Class 2 - 590 g/sqm

* Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.

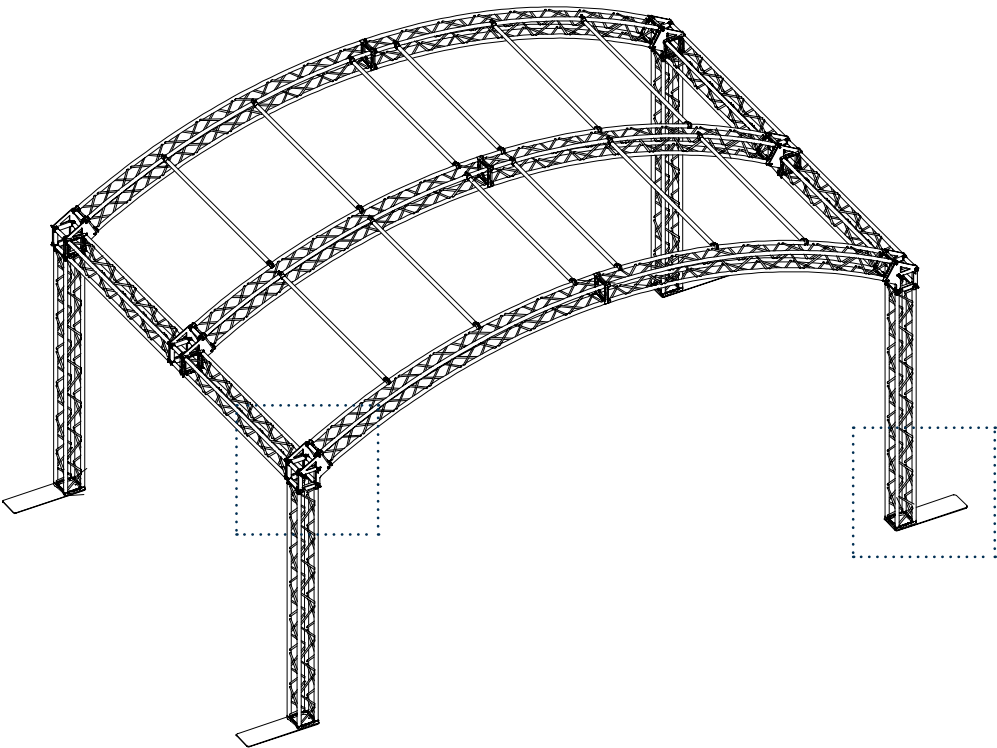
** This figure shows the ratio between the area covered by the assembled structure and the volume of the individual trusses used to build it. It is an efficiency figure useful in comparative analyses: transportability efficiency improves as the figure increases.

The examples and data shown on these pages are necessarily indicative owing to the extreme variability of the conditions in which the structures may be assembled. Each installation must be provided with a suitable quantity of ballast, as shown on the product certificates.

This line of structures was created in compliance with standards EN 1991 - Eurocode 1, EN 1999 Eurocode 9, EN 13814, EN 13782, DIN 4112, DIN 4113-1, DIN 4113-1/A1, DIN 4113-2.

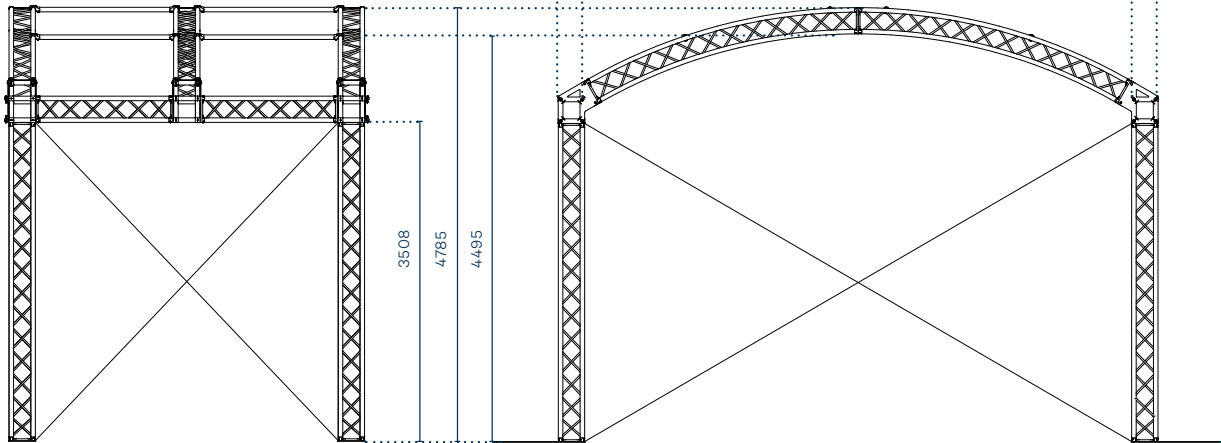
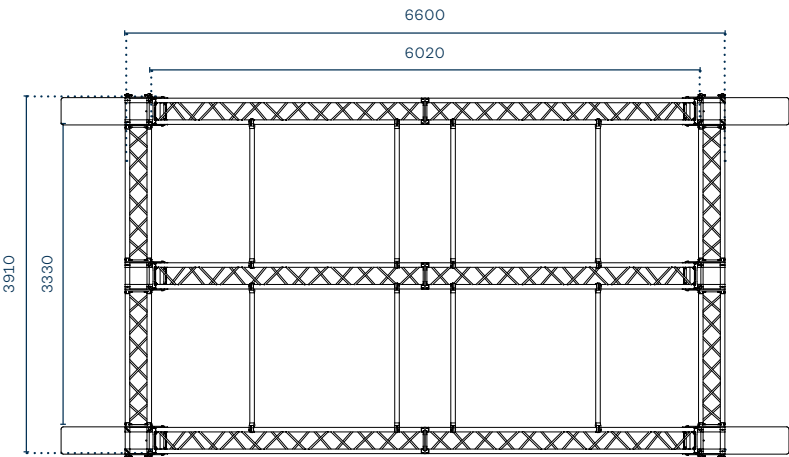
Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.

6x4 m



Arc 6x4 m

The curved trusses are modular arches which may be put together into complete circles. The connection between curved truss, straight truss and towers is made using a DADO with special aluminium flanges and a few accessories.



Arc

8x6 m



Arc Roof Systems highlight the specifics of their components: the reliability and strength of end-plated trusses and the intuitive technical and constructive know-how of the custom-made parts. Easy to assemble, they use as many standard production parts as possible. Thanks to their modularity, they may be expanded depthwise to build long tunnels. They are recommended both for temporary and permanent installations. They are particularly suitable for tourist centres, public parks, squares and exhibition areas, even in town centres, given their visual impact.

The bases of arc roof systems can be fitted to ground plates. This accessory makes ballast weight positioning and staying operations easier.

Dimensions		8x6 m
Distributed Load considering wind pressure	→	2076 kg
Uniformly distributed load UDL*	→	2735 kg
Weight	→	455 kg
Transport volume	→	7.2 m³
Covered area/storage volume ratio**	→	6.7
Towers	→	4 fixed legs
Trusses for lifter	→	QX30SA
Trusses for roof	→	QX30SA
Roofing sheet	→	Self-extinguishing Class 2 - 590 g/sqm

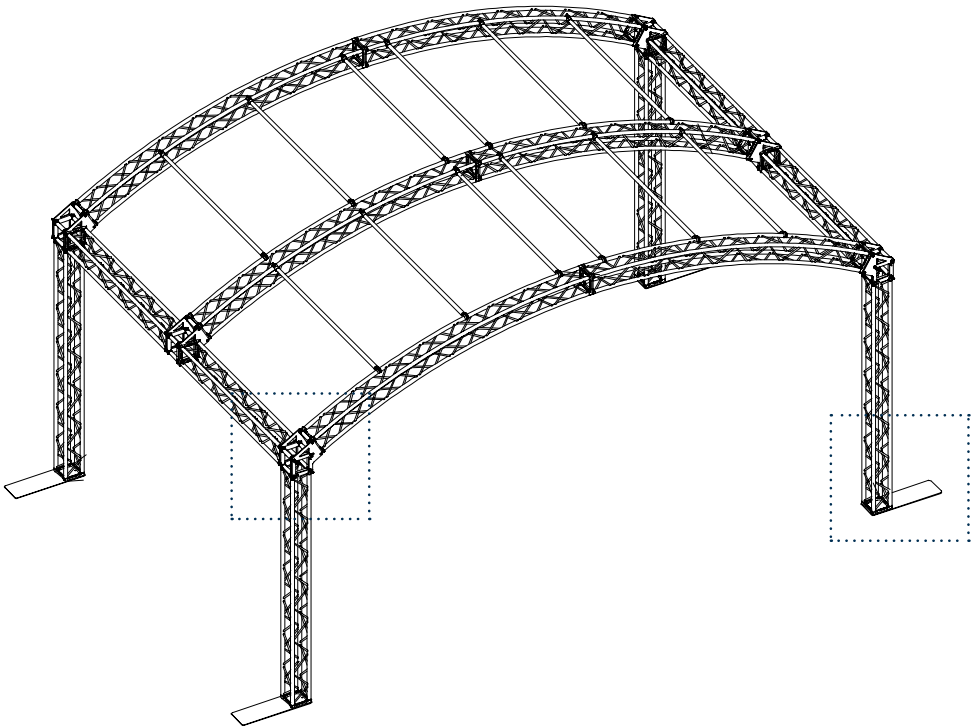
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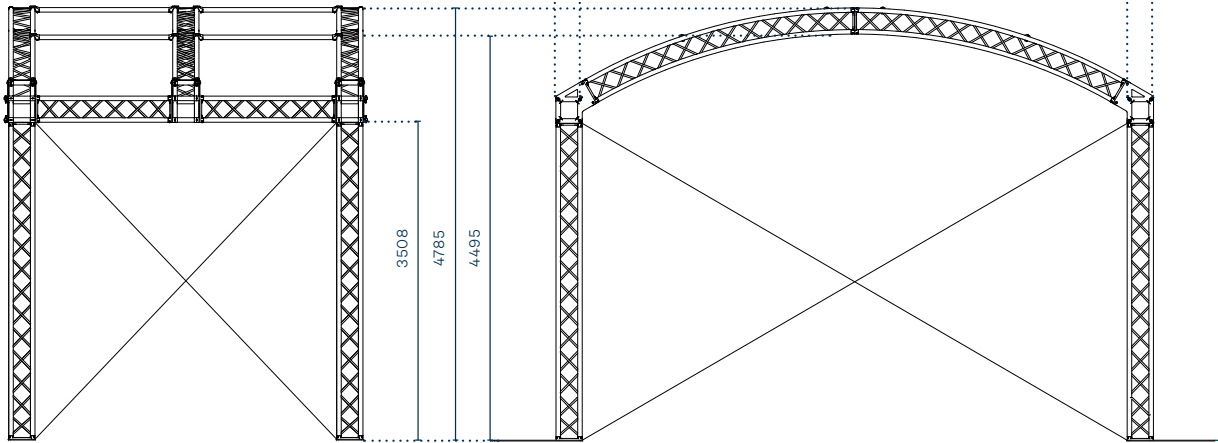
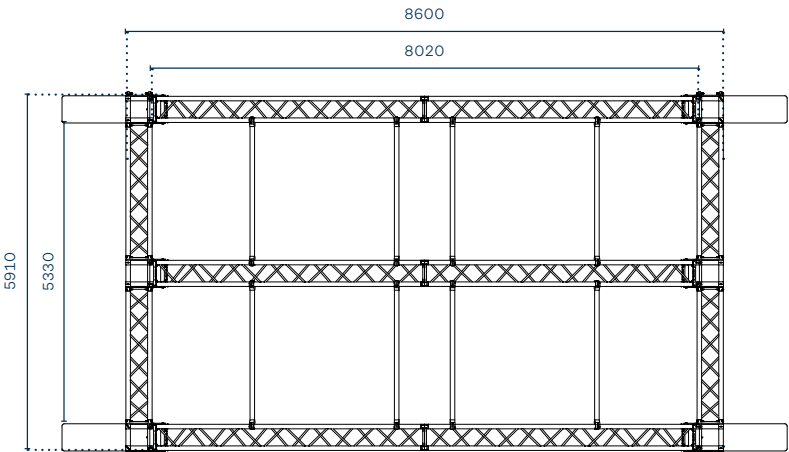
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Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



Arc 8x6 m

The curved trusses are modular arches which may be put together into complete circles. The connection between curved truss, straight truss and towers is made using a DADO with special aluminium flanges and a few accessories.



Single Pitch

8x6 m



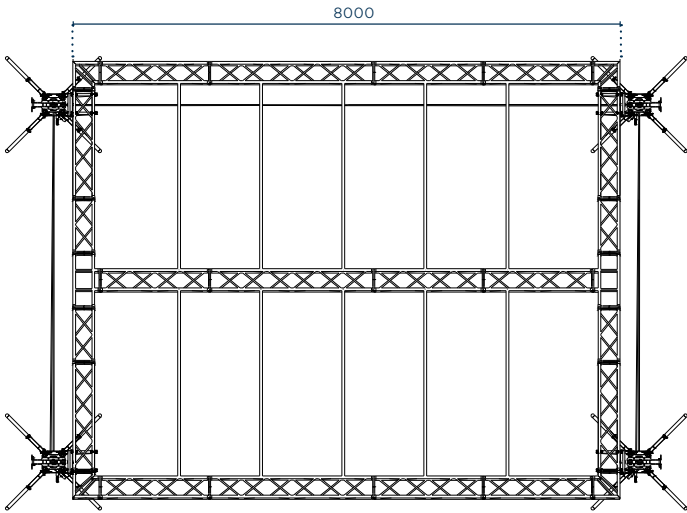
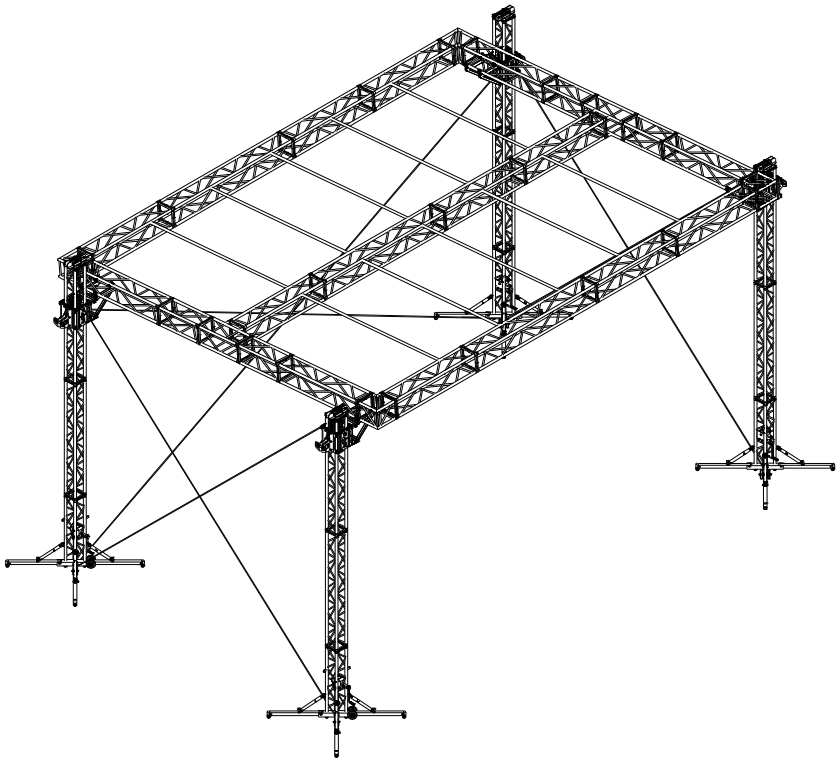
The 8x6 m dimensions makes it the perfect choice for your small to medium-sized events. Its use of QX30SA truss for the towers and QX40SA truss for the roof provide impressive capacity ratings, while ensuring safety and stability.

Dimensions	8x6 m
Uniformly distributed load UDL*	→ 1620 kg
Towers	→ 4x Towerlift 3
Trusses for lifter	→ QX30SA
Trusses for roof	→ QX40SA
Roffing sheet	→ Self-extinguishing Class 2 - 650 g/m²

* Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.

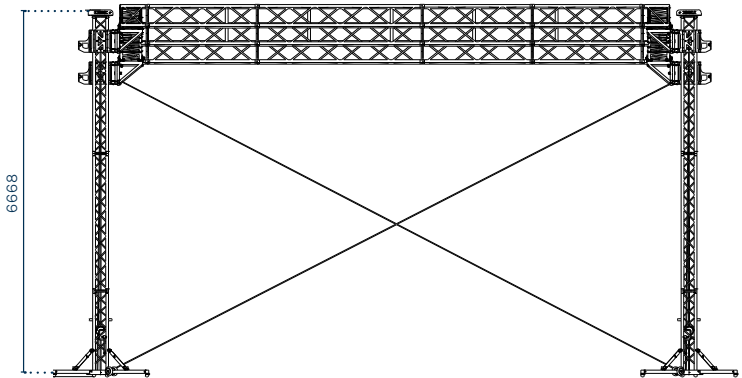
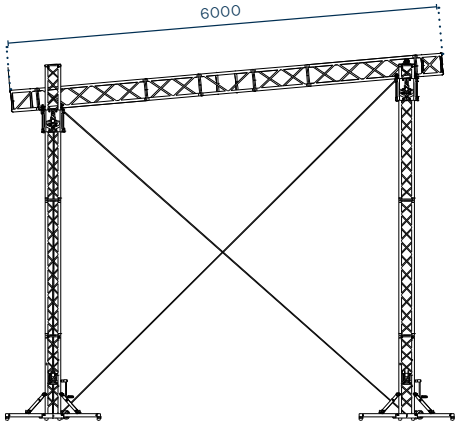
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Single Pitch 8x6 m

Side extensions for suspensions outside the set may be added to the front.



Double Pitch

8x6 m



Double-pitch roof systems are the result of the research of high performance and safe solutions. Roofing mounted on manual lifters, these structures may be assembled without electrical-driven parts. The lifter is the well-known Towerlift 3 and the whole system can be raised up to 6 metres above the ground. They can be fitted with lateral PA wings for hanging audio and video systems.

The standard roofing systems use two towers, the Towerlift 3 and the Varitower 3-30. The carriage is the same on both towers and has upper posts for coupling to the roof lintel.

Dimensions		8x6 m
Distributed Load considering wind pressure	→	4848 kg
Uniformly distributed load UDL*	→	6240 kg
Weight	→	1210 kg
Transport volume	→	15 m³
Covered area/storage volume ratio**	→	3.2
Towers	→	4 x Towerlift 3
Trusses for lifter	→	QX30SA
Trusses for roof	→	QX40SA+FX30SA
Roofing sheet	→	Self-extinguishing Class 2 - 650 g/sqm

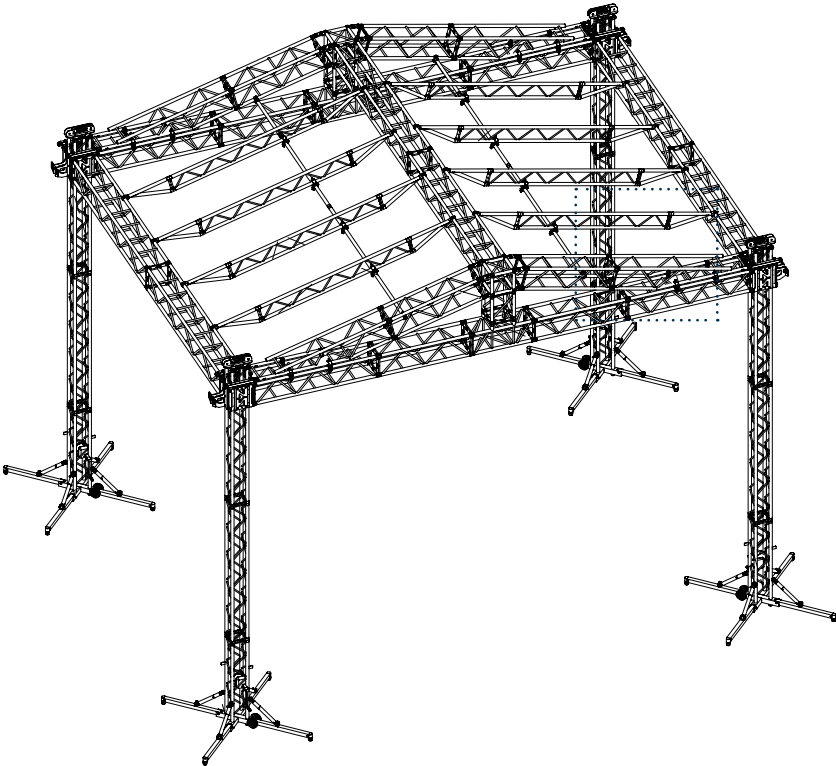
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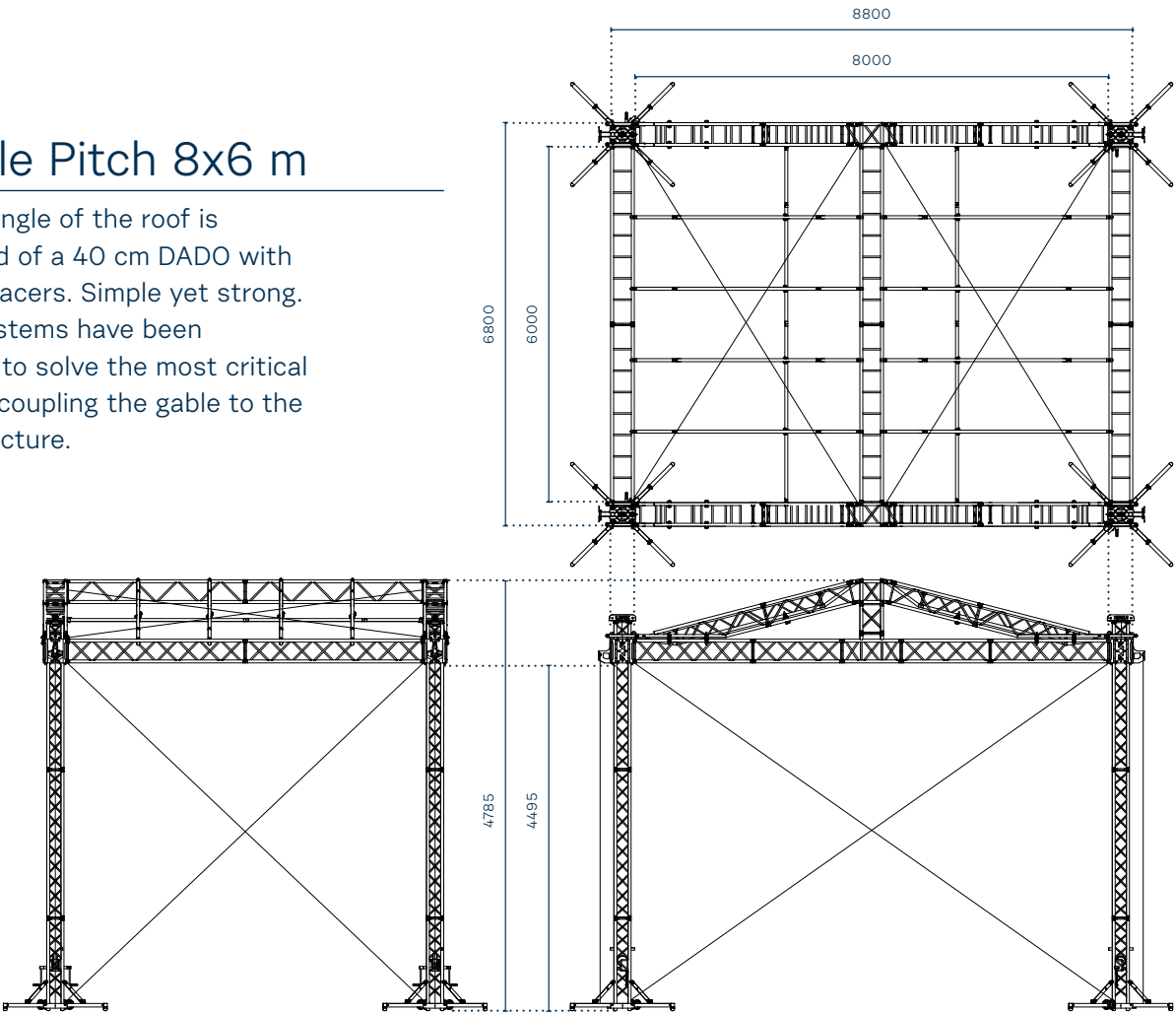
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Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



Double Pitch 8x6 m

The top angle of the roof is composed of a 40 cm DADO with forked spacers. Simple yet strong. These systems have been designed to solve the most critical problem: coupling the gable to the base structure.



Single Pitch

10x8 m



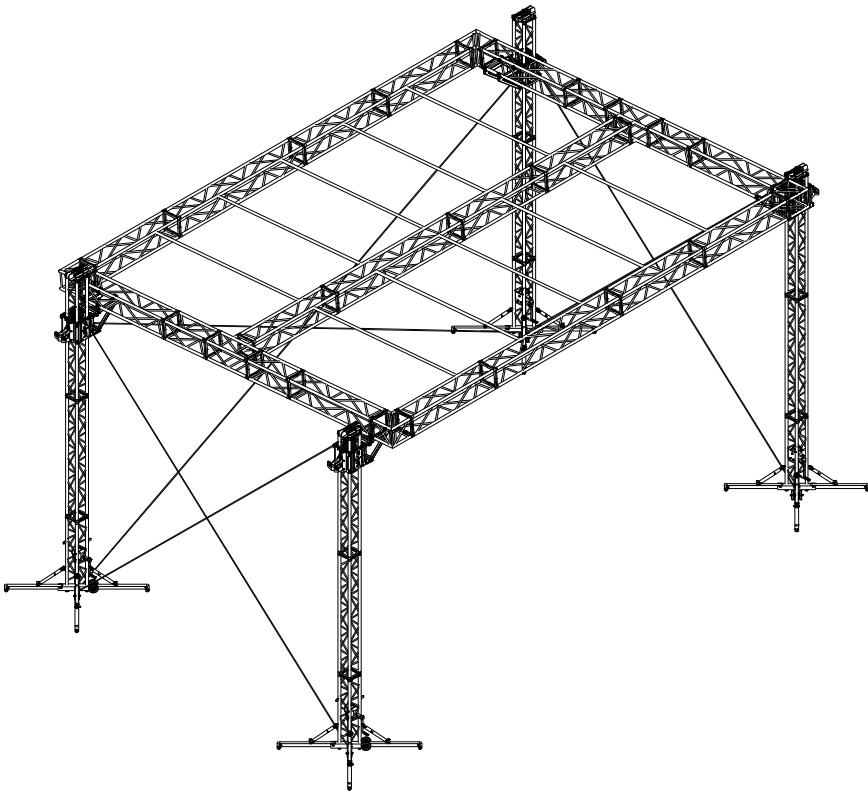
Designed for small to medium events, the single pitch 10x8 m roof covers your needs perfectly. The use of QX30SA truss for the towers and Qx40SA truss for the roof provide a safe and sturdy structure that handles your more demanding loads.

Dimensions	10x8 m
Uniformly distributed load UDL*	→ 1240 kg
Towers	→ 4x Towerlift 3
Trusses for lifter	→ QX30SA
Trusses for roof	→ QX40SA
Roofing sheet	→ Self-extinguishing Class 2 - 650 g/m²

* Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.

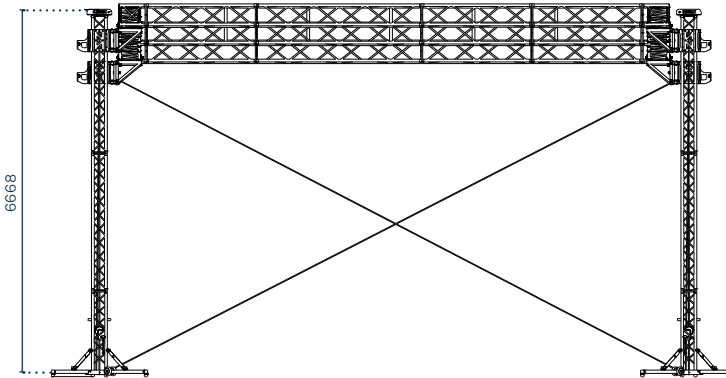
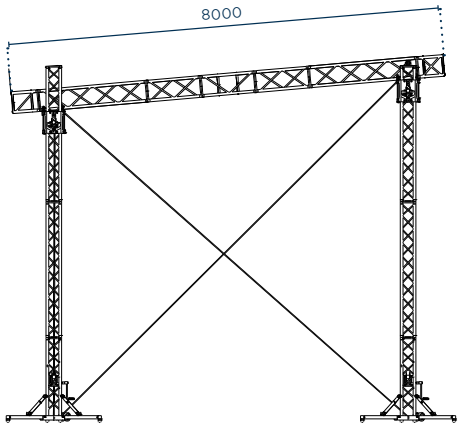
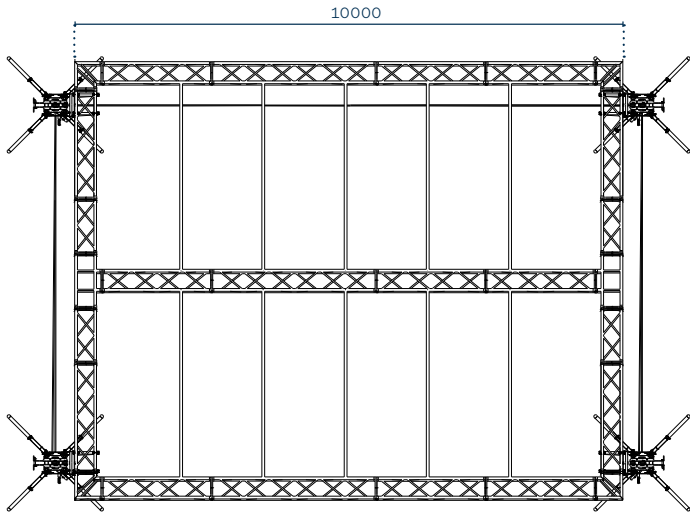
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Single Pitch 10x8 m

Side extensions for suspensions outside the set may be added to the front.



Double Pitch

10x8 m



Double-pitch roof systems are the result of the research of high performance and safe solutions. Roofing mounted on manual lifters, these structures may be assembled without electrical-driven parts. The lifter is the well-known Towerlift 3 and the whole system can be raised up to 6 metres above the ground. They can be fitted with lateral PA wings for hanging audio and video systems.

The standard roofing systems use two towers, the Towerlift 3 and the Varitower 3-30. The carriage is the same on both towers and has upper posts for coupling to the roof lintel.

Dimensions	10x8 m
Distributed Load considering wind pressure	→ 3552 kg
Uniformly distributed load UDL*	→ 4800 kg
Weight	→ 1424 kg
Transport volume	→ 18 m³
Covered area/storage volume ratio**	→ 4.5
Towers	→ 4 x Towerlift 3
Trusses for lifter	→ QX30SA
Trusses for roof	→ QX40SA+FX30SA
Roofing sheet	→ Self-extinguishing Class 2 - 650 g/sqm

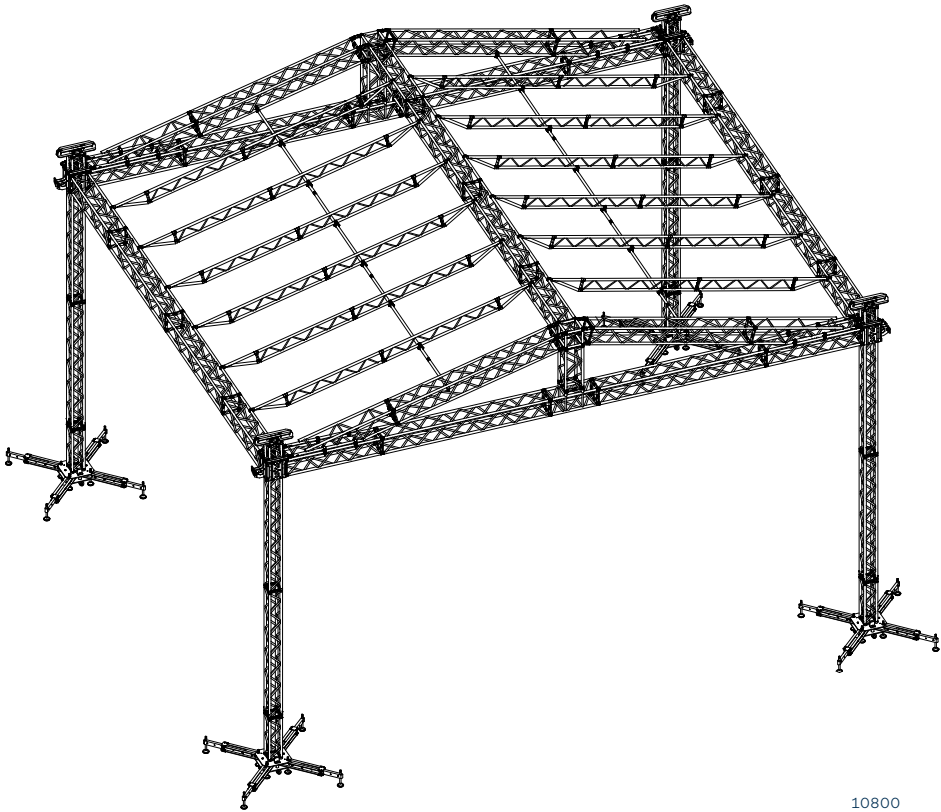
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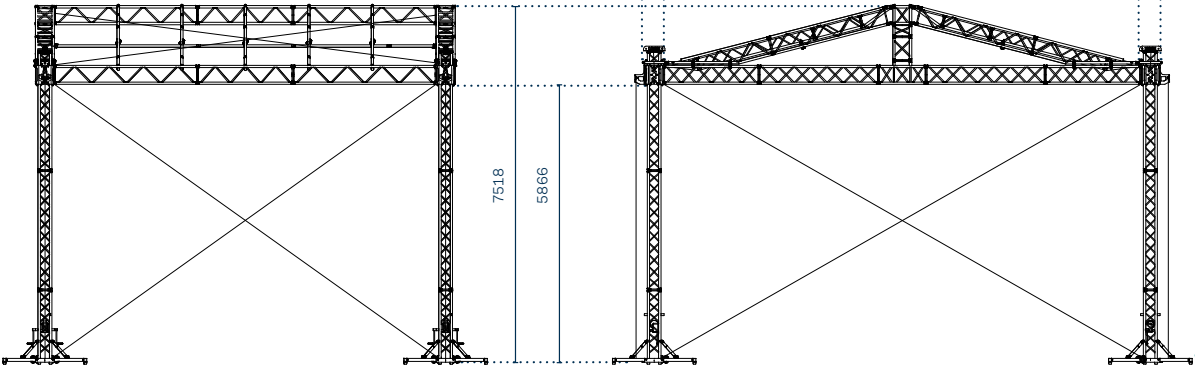
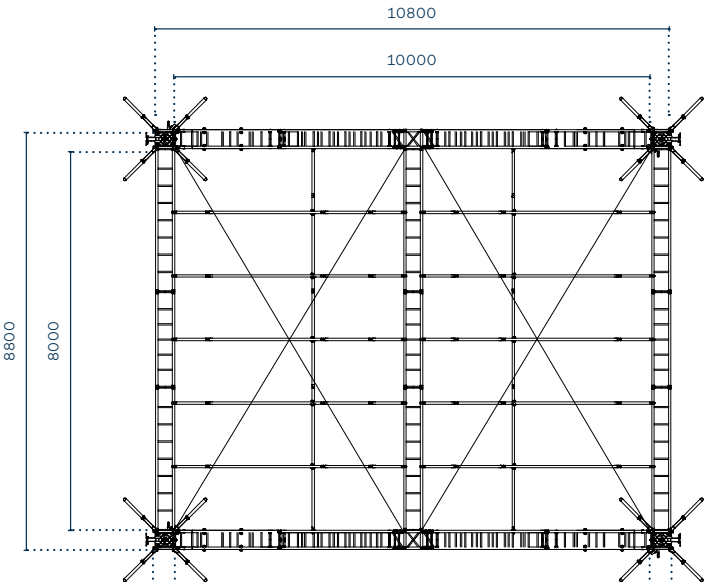
Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



Double Pitch 10x8 m

The top angle of the roof is composed of a 40 cm DADO with forked spacers. Simple yet strong.

These systems have been designed to solve the most critical problem: coupling the gable to the base structure.



Double Pitch

12x10 m



This structure for professional use has considerable dimensions and performance. Every detail has been determined following the highest safety standards required for applications at this level.

Thanks to the restraining devices adopted and materials used, this system performs excellently even in high winds. It is mounted on Varitower 3 lifters assembled for lifting with chain hoists.

Double-pitch roof systems can be fitted with lateral PA wings for hanging audio or video systems.

Thanks to the restraining devices adopted and materials used, these systems perform excellently even in high winds.

Dimensions	12x10 m
Distributed Load considering wind pressure	→ 3252 kg
Uniformly distributed load UDL*	→ 6944 kg
Weight	→ 2600 kg
Transport volume	→ 24.7 m³
Covered area/storage volume ratio**	→ 4.8
Towers	→ 4 x Varitower 3
Trusses for lifter	→ QH30SA
Trusses for roof	→ QH40SA+FX30SA
Roofing sheet	→ Self-extinguishing Class 2 - 650 g/sqm

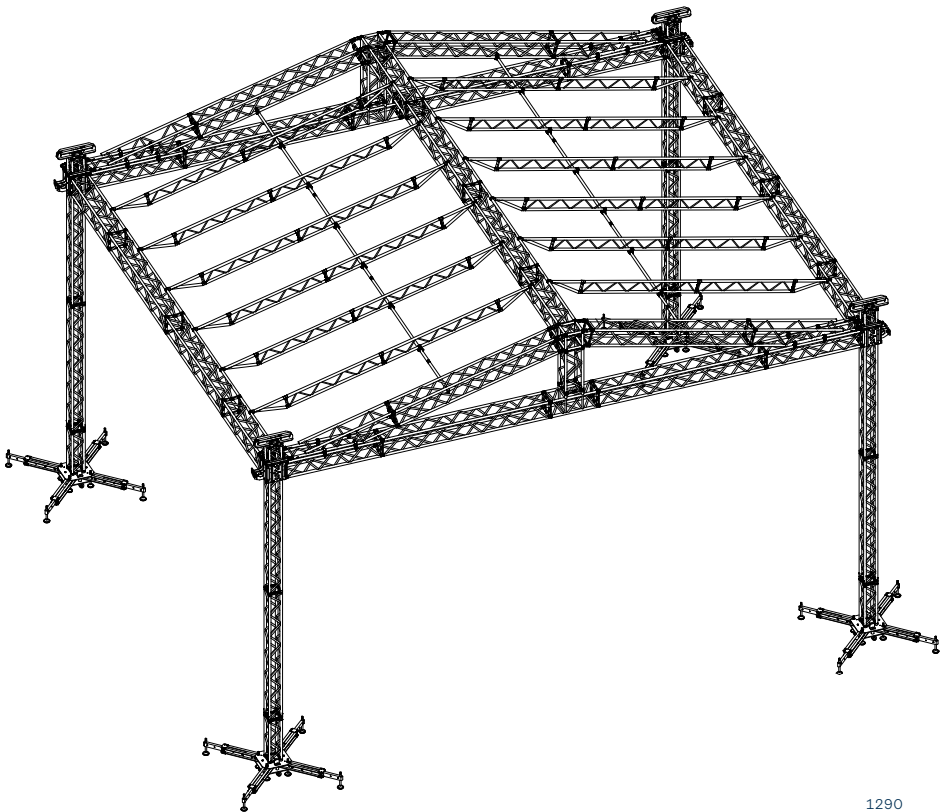
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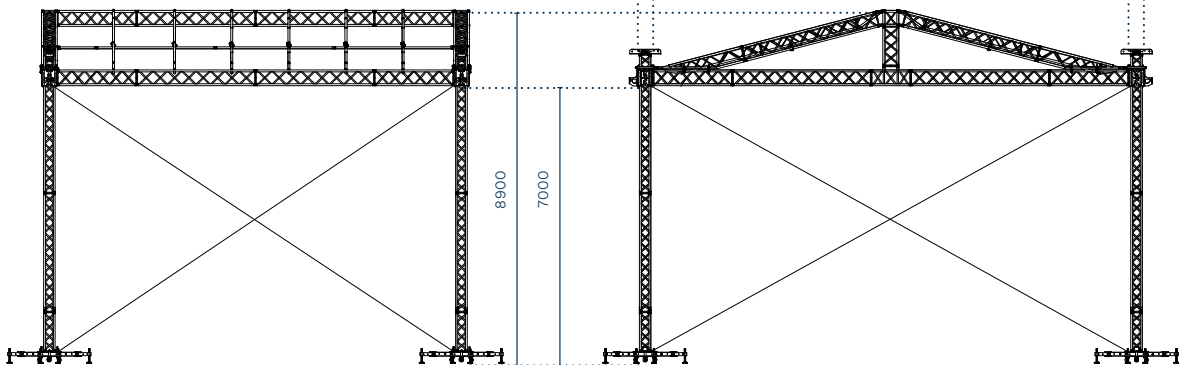
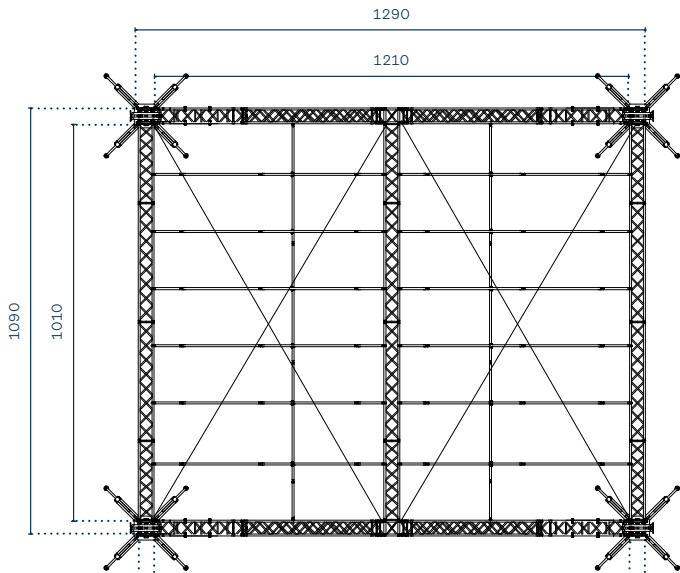
Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



Double Pitch 12x10 m

They are mounted on Varitower 3 lifters and are assembled for lifting with chain hoists. Both motor and manual hoists may be used.

Double-pitch roof systems can be fitted with lateral flyouts for hanging audio or video systems.







LIBERA STAR Trusses Roof Systems

Infinity, in a few cubic meters

LIBERA is an open structural system. It is the only flat aluminium beam system in the world that can easily be used to create and build load-bearing structures in a virtually infinite number of shapes.

LIBERA roof systems consist of Maxitowers and a LIBERA grid structure.

LIBERA is made of “constant” elements, FL52, FL76 and FL105 flat beams, and “variable” elements which make it extremely versatile. Not just straight: LIBERA can be “bent” and used to create rounded components simply by adding small accessories to normal trusses.

LIBERA FL52

Single Pitch 14x12 m



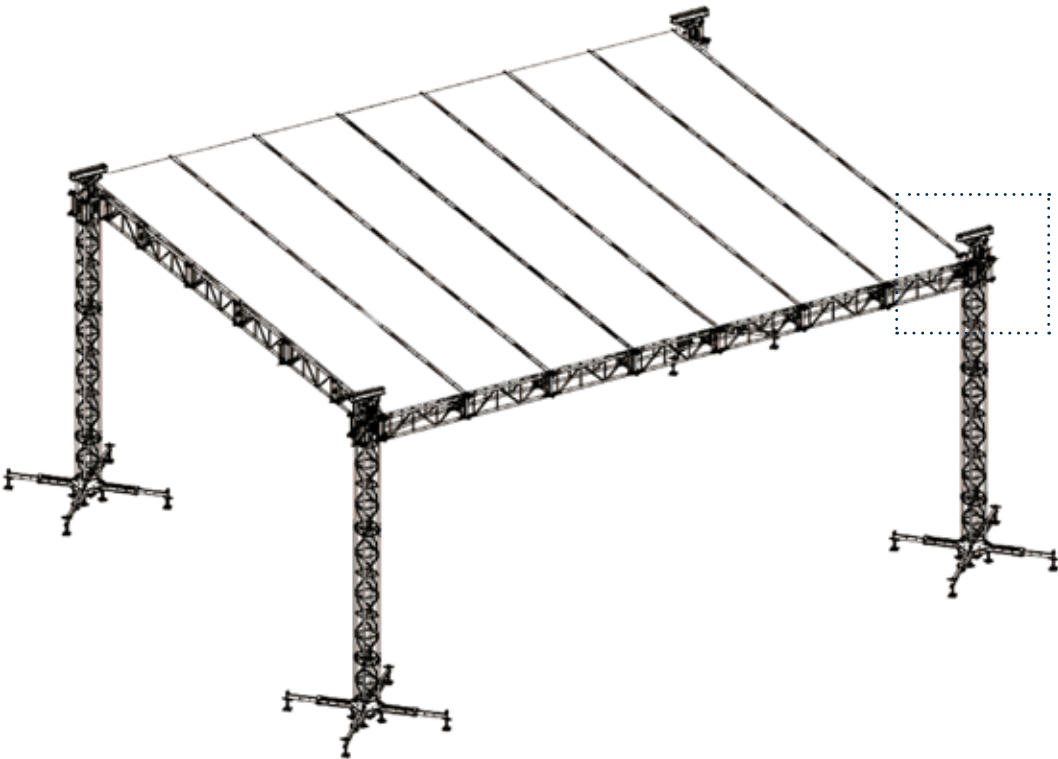
LIBERA is an open structural system. Roof systems in LIBERA 52 consist of Maxitowers and a LIBERA FL52 grid structure. The actual span can reach 16 metres, to which side wings may be added.

Dimensions		14x12 m
Heights range*	→	from 6 to 9 m
Main truss	→	LIBERA FL52
Towers	→	4 x Varitower 3-40
Uniformly distributed load UDL **	→	5000 kg ≈
Chain hoists	→	1000 kg
Total weight	→	3670 kg
Volume	→	22 m³
Set-up time & number of workers	→	4 hrs / 4 w

* Range suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
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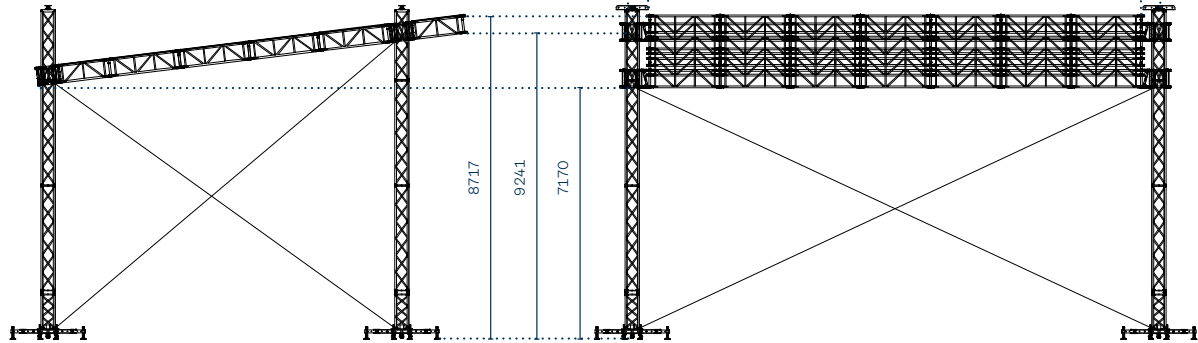
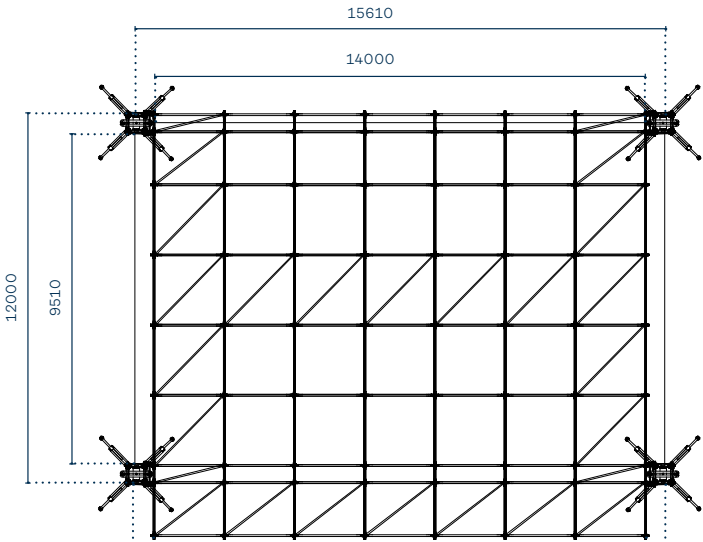
This line of structures was created in compliance with European standards. Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



LIBERA FL52

Single Pitch 14x12 m

Some standard configurations are available, but – as always in the case of LIBERA – countless solutions are possible thanks to the modular system.



LIBERA FL52

Double Pitch 14x12 m



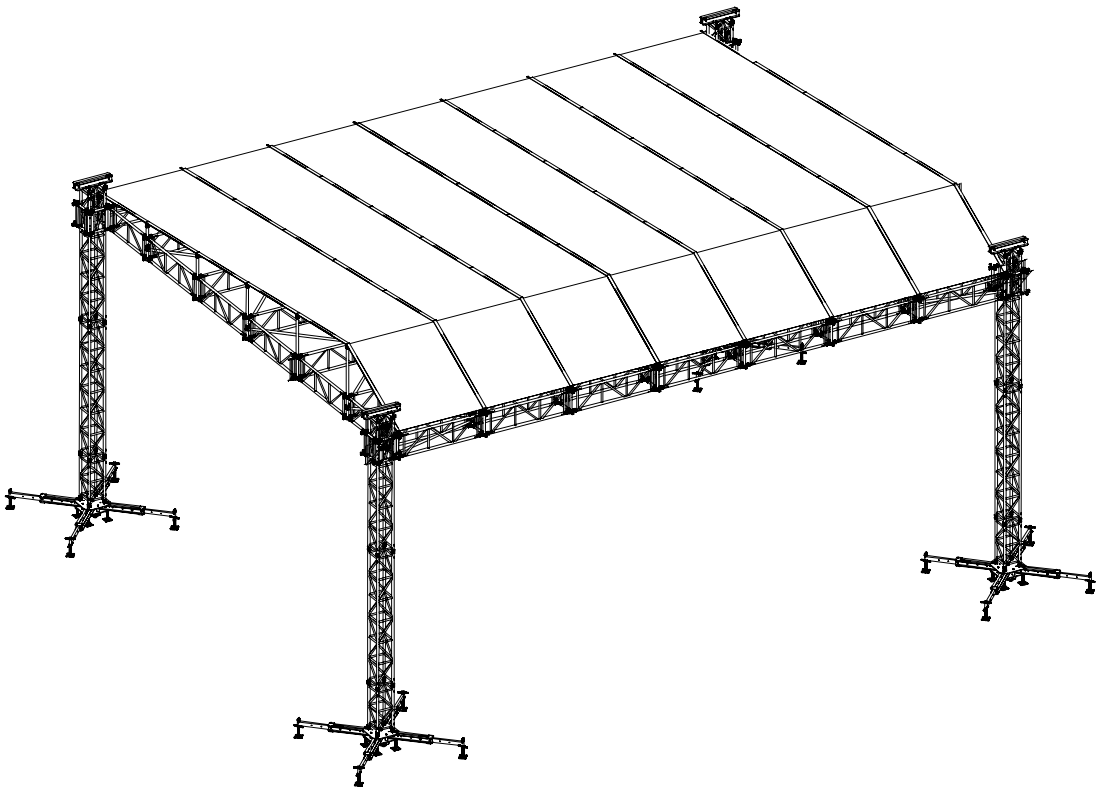
LIBERA is an open structural system. Roof systems in LIBERA 52 consist of Maxitowers and a LIBERA FL52 grid structure. The actual span can reach 16 metres, to which side wings may be added.

Dimensions		14x12 m
Heights range*	→	from 7 to 11 m
Main truss	→	LIBERA FL52
Towers	→	4 x Maxitower 40
Uniformly distributed load UDL **	→	5000 kg ≈
Chain hoists	→	1000 kg
Total weight	→	4765 kg
Volume	→	30 m³
Set-up time & number of workers	→	4 hrs / 4 w

* Range suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
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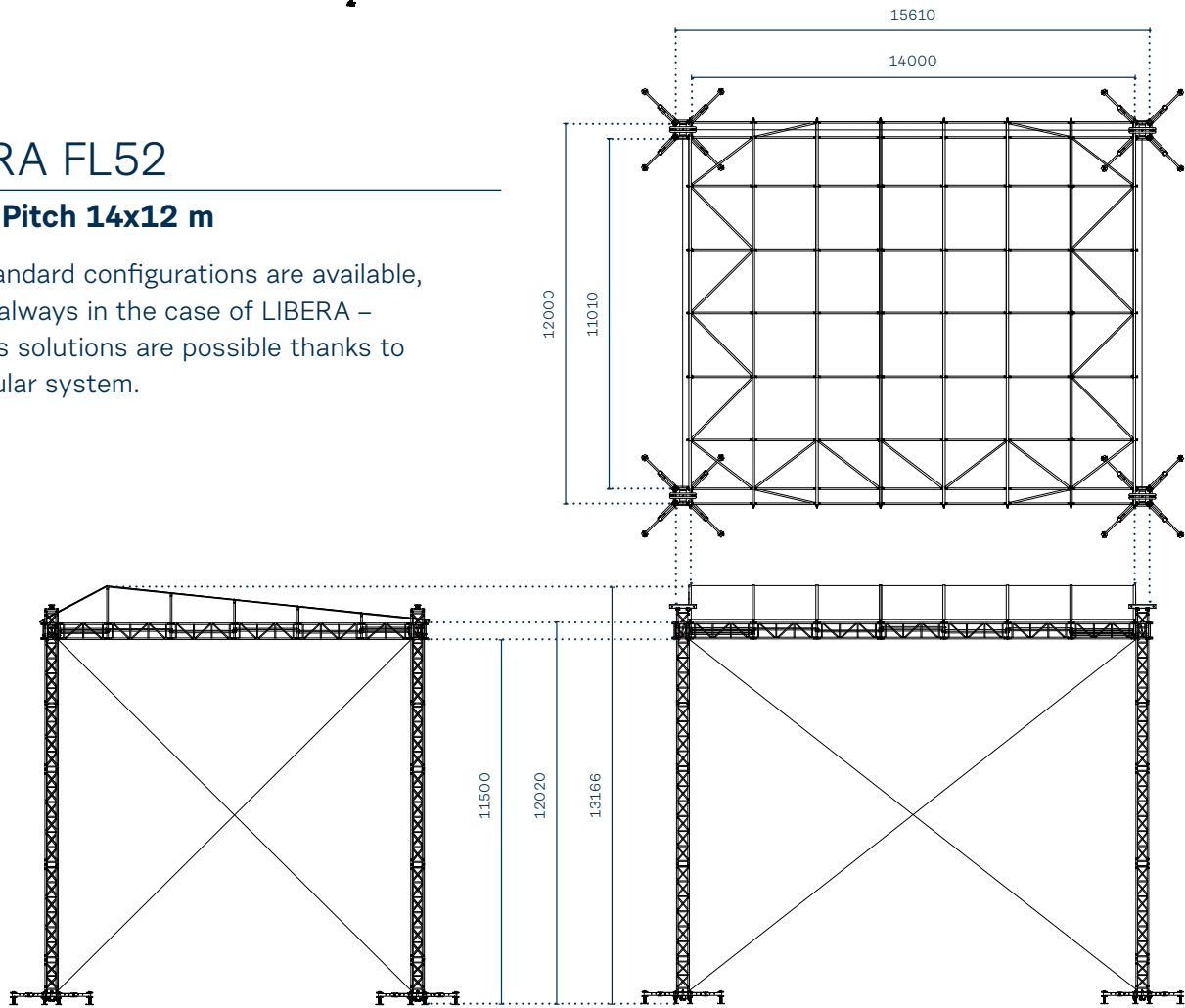
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LIBERA FL52

Double Pitch 14x12 m

Some standard configurations are available, but – as always in the case of LIBERA – countless solutions are possible thanks to the modular system.



LIBERA FL76

Single Pitch 15x13 m



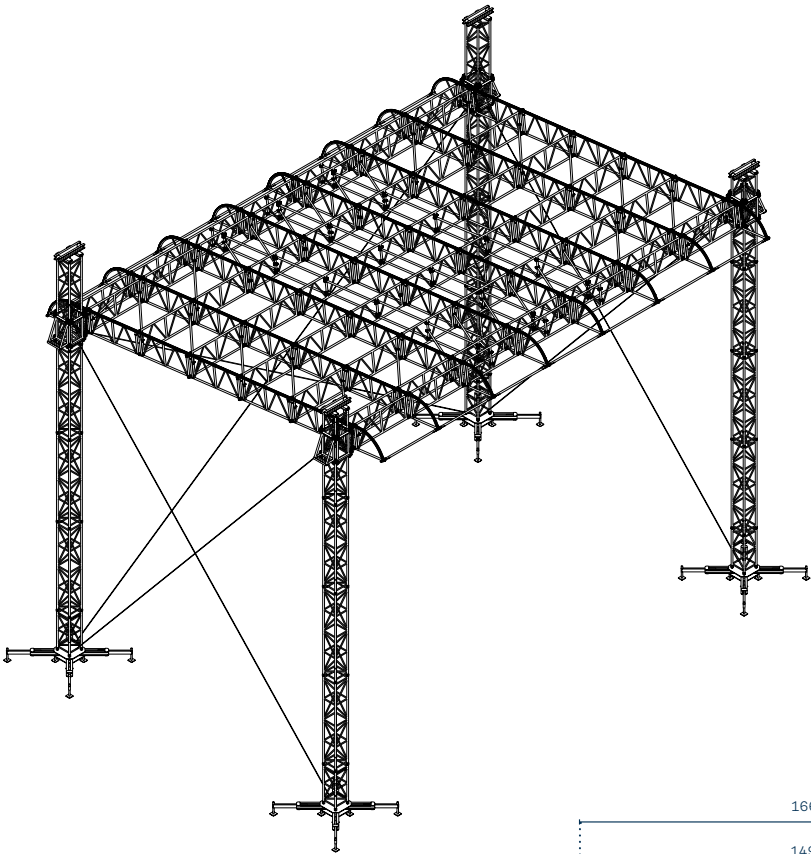
LIBERA is an open structural system. Roof systems in LIBERA 76 consist of Maxitowers and a LIBERA FL76 grid structure. With the single-pitch roof, the upper grid structure consists of trusses with built-in LIBERA FL76R roofing sheet guides.

Dimensions		15x13 m
Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	4 x Maxitower 52
Uniformly distributed load UDL **	→	5000 kg ≈
Chain hoists	→	1000-2000 kg
Total weight	→	4280 kg
Volume	→	33 m³
Set-up time & number of workers	→	5 hrs / 4 w

* Range suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
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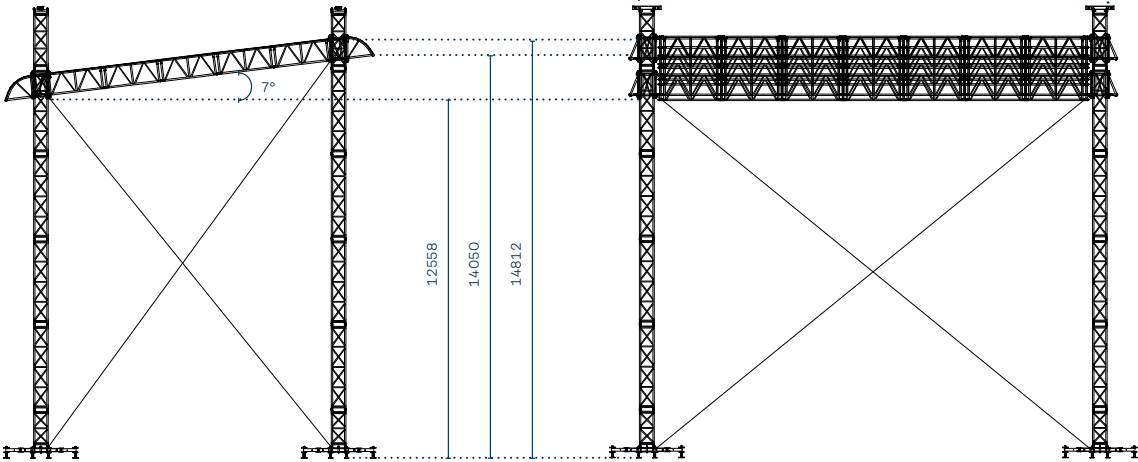
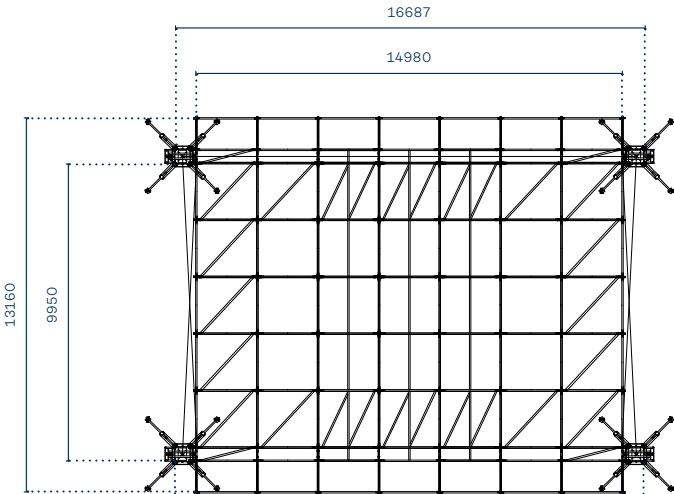
This line of structures was created in compliance with European standards. Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



LIBERA FL76

Single Pitch 15x13 m

Side extensions for suspensions outside the set may be added to the front.



LIBERA Alusfera 1.0

16x8 m



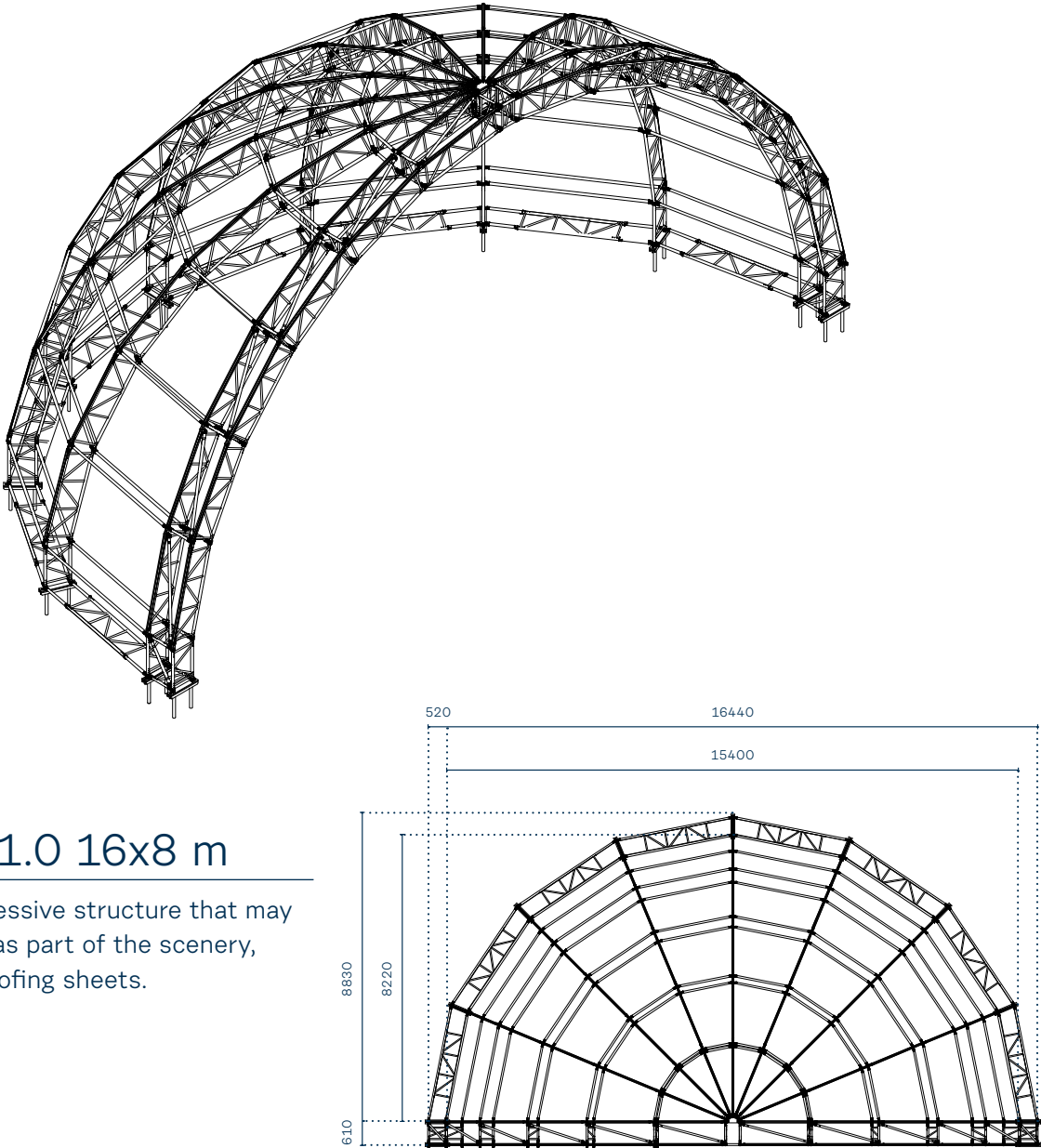
Alusfera is another way of using LIBERA, again starting from standard components with the addition of a few special accessories. The horizontal roof of one configuration may become a quarter sphere in another to accommodate a whole stage, with the performance of a “real” stage, including large applied loads, large roofed areas, and very small transport volumes.

Dimensions		16x8 m
Heights range*	→	8 m
Main truss	→	LIBERA FL52
Towers	→	//
Uniformly distributed load UDL **	→	4500 kg ≈
Chain hoists	→	//
Total weight	→	2000 kg
Volume	→	11 m³
Set-up time & number of workers	→	5 hrs / 4 w

* Height suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
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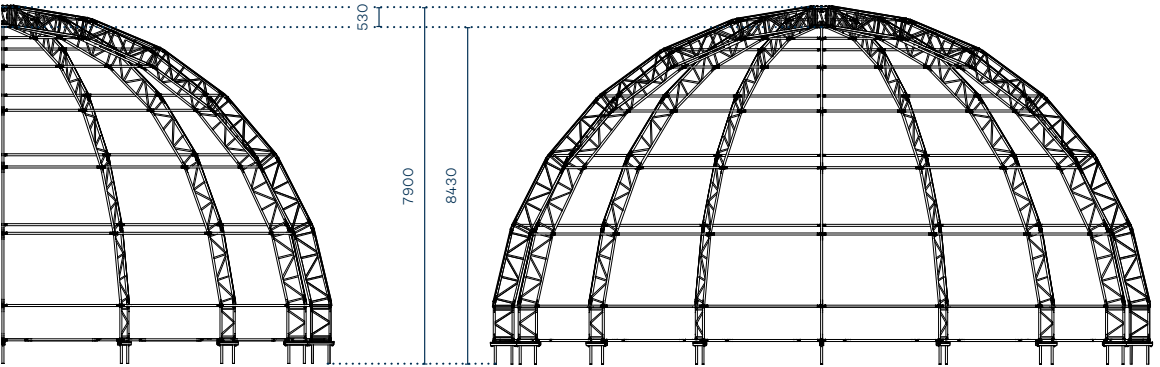
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Alusfera 1.0 16x8 m

It is a very impressive structure that may be used purely as part of the scenery, even without roofing sheets.



LIBERA FL52

Double Pitch 16x12 m



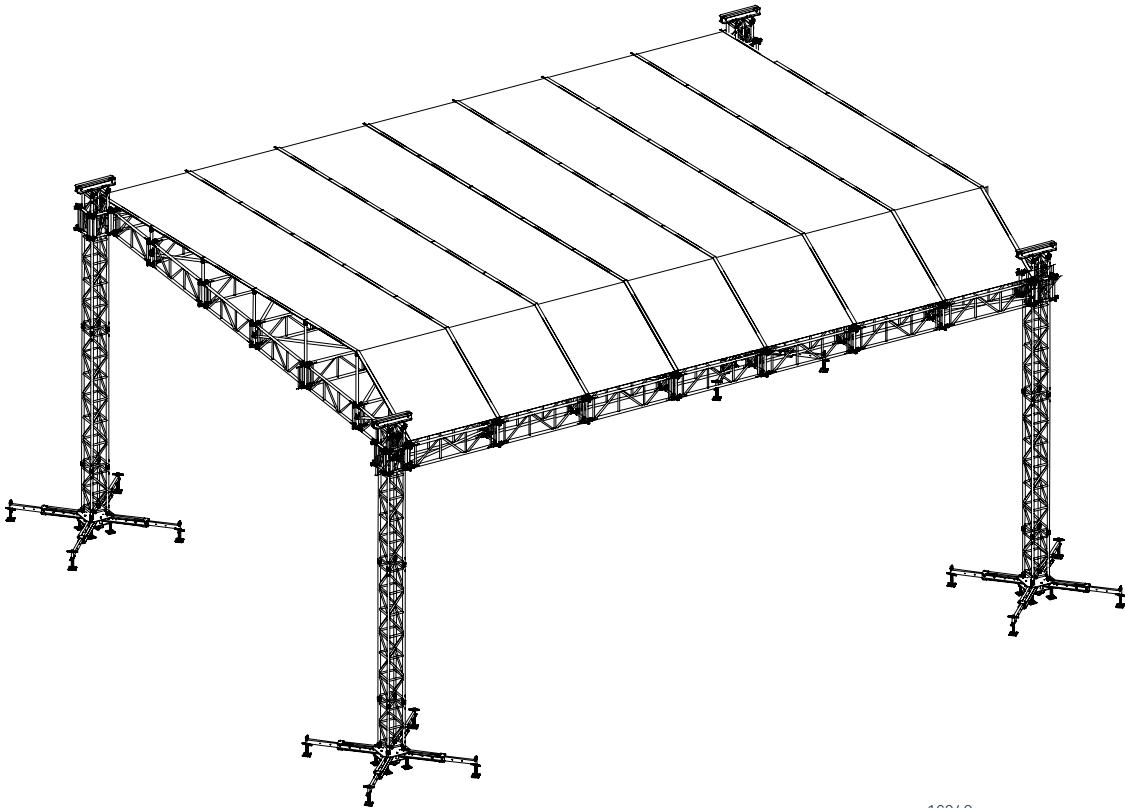
LIBERA is an open structural system. Roof systems in LIBERA 52 consist of Maxitowers and a LIBERA FL52 grid structure. The actual span can reach 16 metres, to which side wings may be added.

Dimensions		16x12 m
Heights range*	→	from 7 to 11 m
Main truss	→	LIBERA FL52
Towers	→	4 x Maxitower 40
Uniformly distributed load UDL **	→	4500 kg ≈
Chain hoists	→	1000 kg
Total weight	→	5075 kg
Volume	→	31 m³
Set-up time & number of workers	→	4 hrs / 4 w

* Height suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
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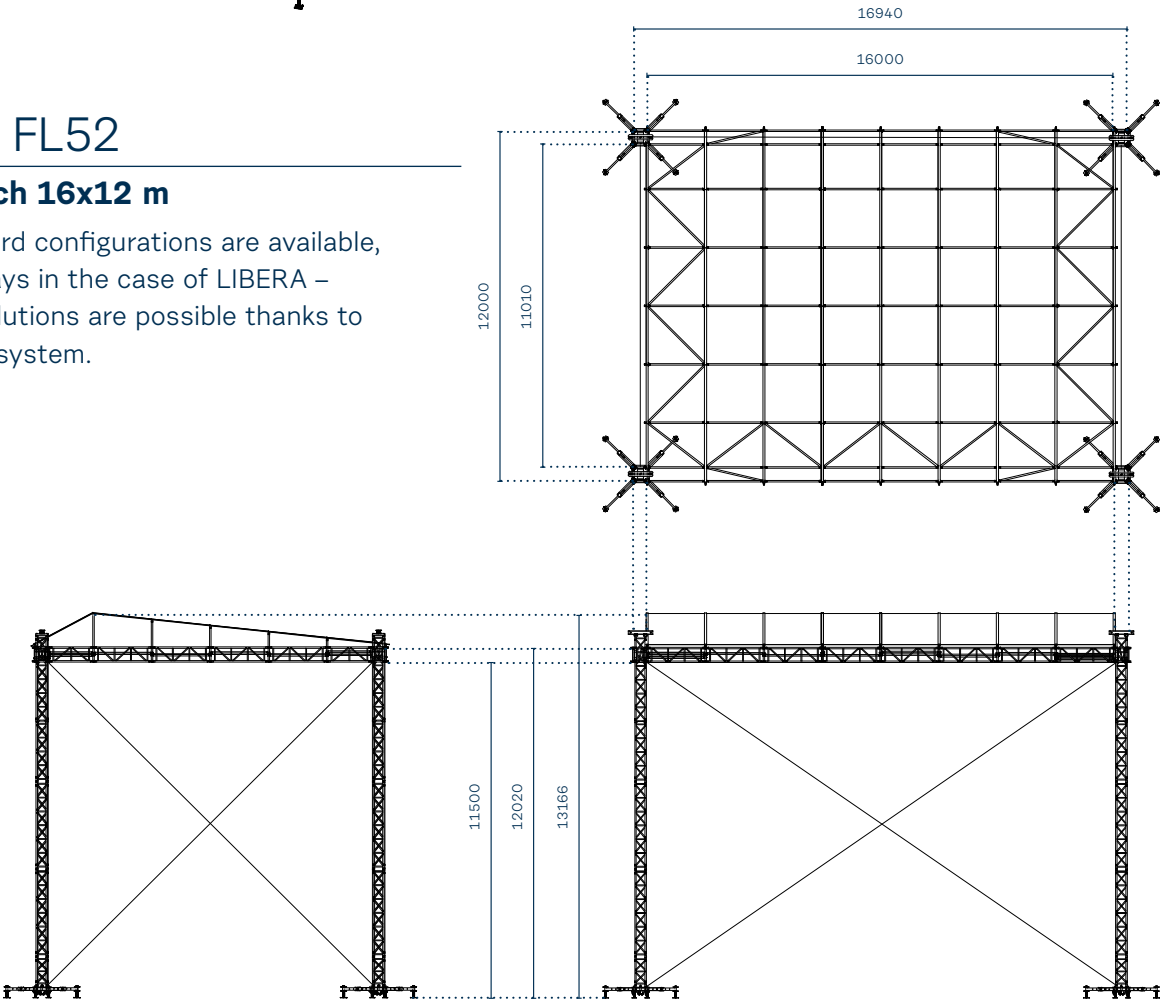
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LIBERA FL52

Double Pitch 16x12 m

Some standard configurations are available, but – as always in the case of LIBERA – countless solutions are possible thanks to the modular system.



LIBERA FL76

Single Pitch 17x13 m



LIBERA is an open structural system. Roof systems in LIBERA 76 consist of Maxitowers and a LIBERA FL76 grid structure.

With the single-pitch roof, the upper grid structure consists of trusses with built-in LIBERA FL76R roofing sheet guides.

Dimensions		17x13 m
Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	4 x Maxitower 52
Uniformly distributed load UDL **	→	7500 kg ≈
Chain hoists	→	1000-2000 kg
Total weight	→	4520 kg
Volume	→	34 m³
Set-up time & number of workers	→	5 hrs / 4 w

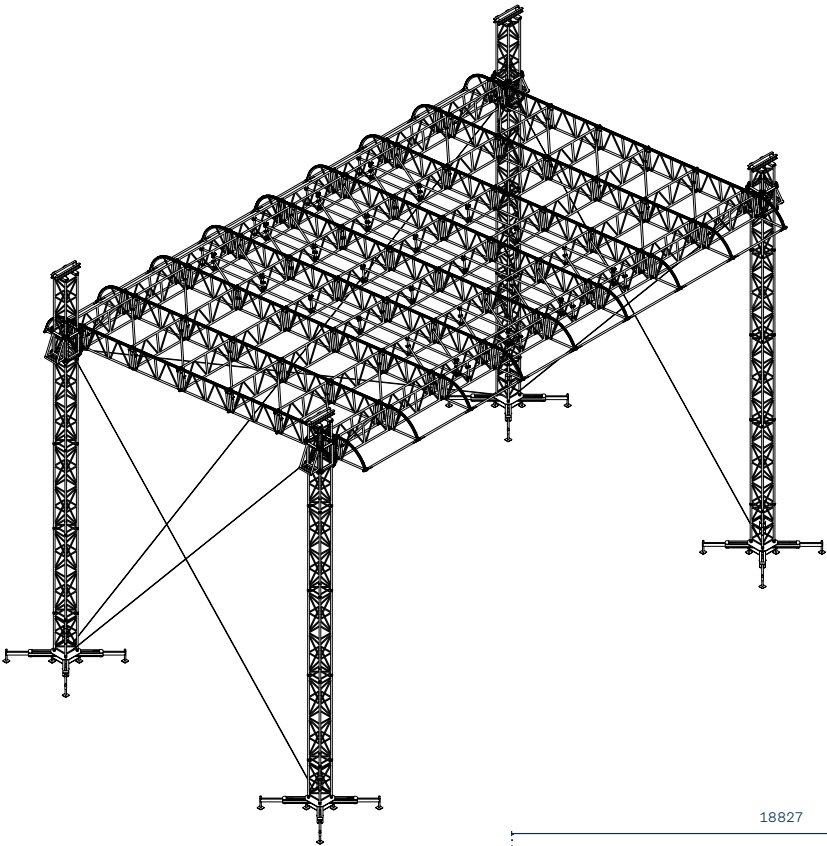
* Range suggested according to the dimensions of the roof system.

** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.

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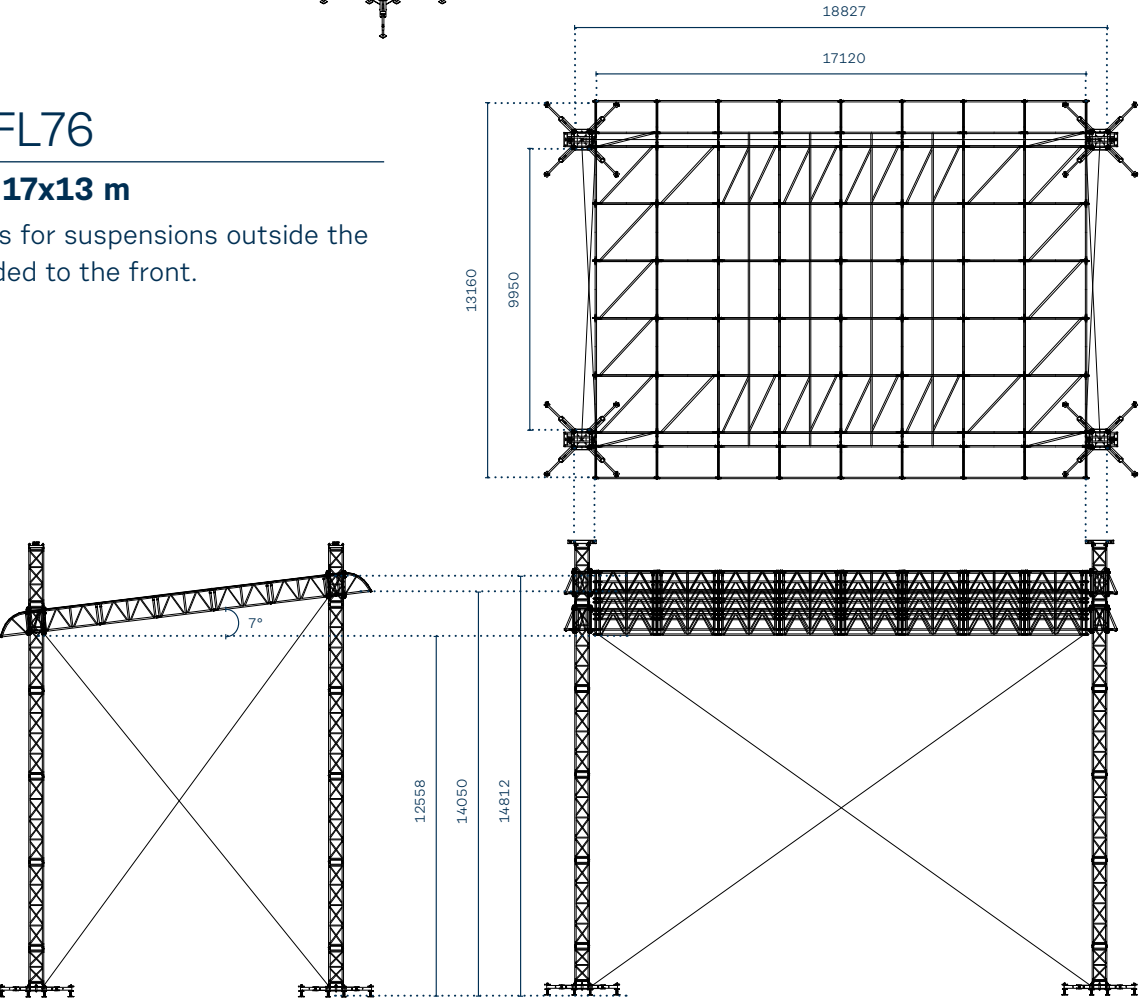
This line of structures was created in compliance with European standards. Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



LIBERA FL76

Single Pitch 17x13 m

Side extensions for suspensions outside the set may be added to the front.



LIBERA FL76

Double Pitch 17x13 m



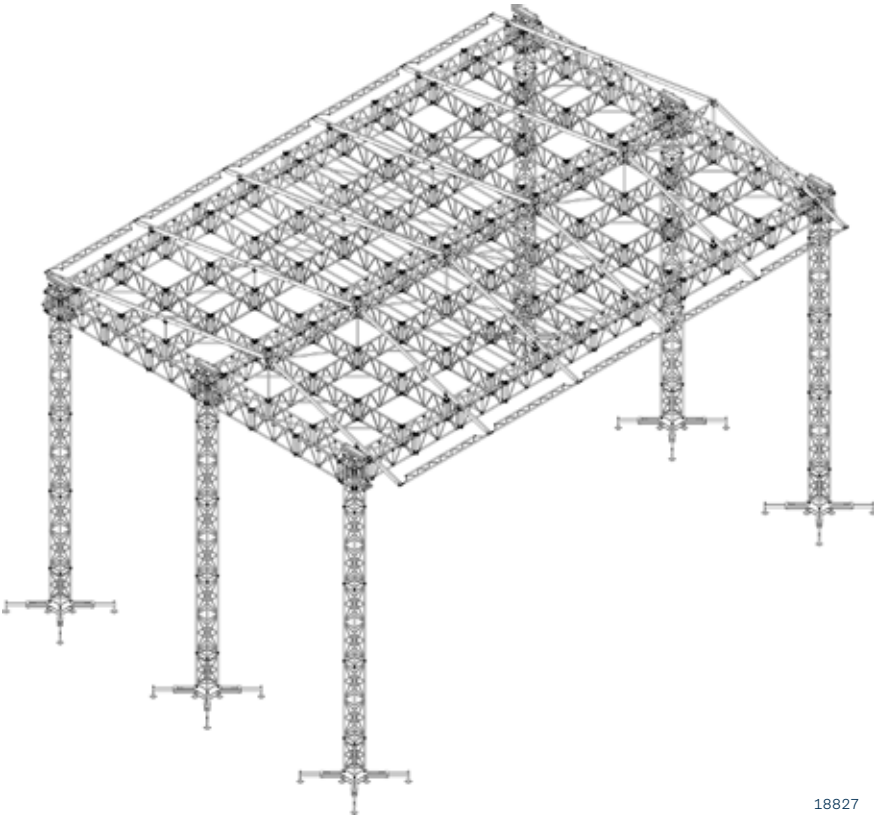
LIBERA is an open structural system. Roof systems in LIBERA 76 consist of Maxitowers and a LIBERA FL76 grid structure. For the double-pitch version normal LIBERA FL76 trusses are used with the addition of support systems and sliding guides for the roofing sheet, which are fixed to the grid. This arrangement has the advantage of having a horizontal hanging plane.

Dimensions		17x13 m
Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	12000 kg ≈
Chain hoists	→	1000-2000 kg
Total weight	→	7000 kg
Volume	→	60 m³
Set-up time & number of workers	→	5 hrs / 5 w

* Range suggested according to the dimensions of the roof system.
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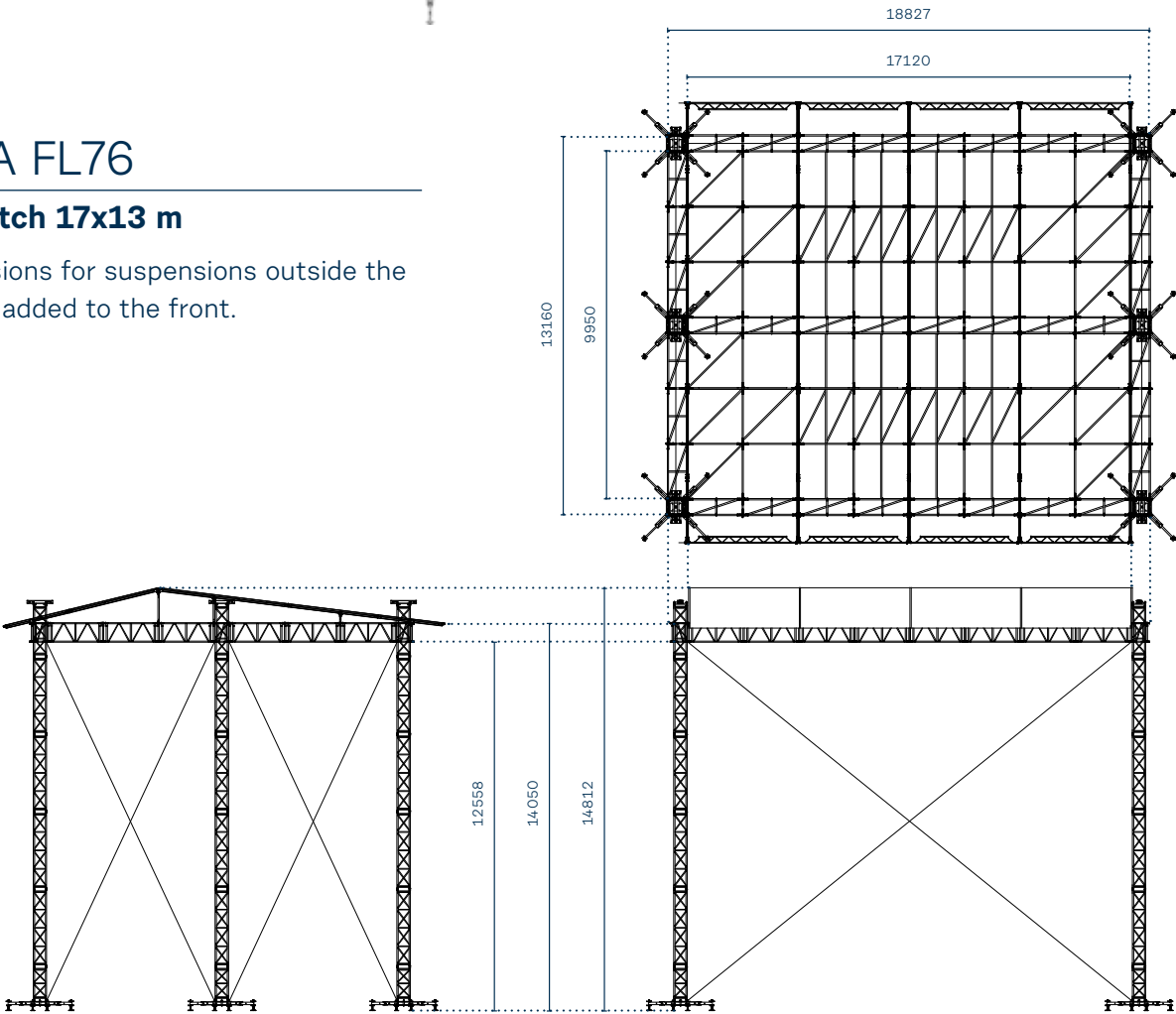
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LIBERA FL76

Double Pitch 17x13 m

Side extensions for suspensions outside the set may be added to the front.



LIBERA FL76

Single Pitch 19x16 m



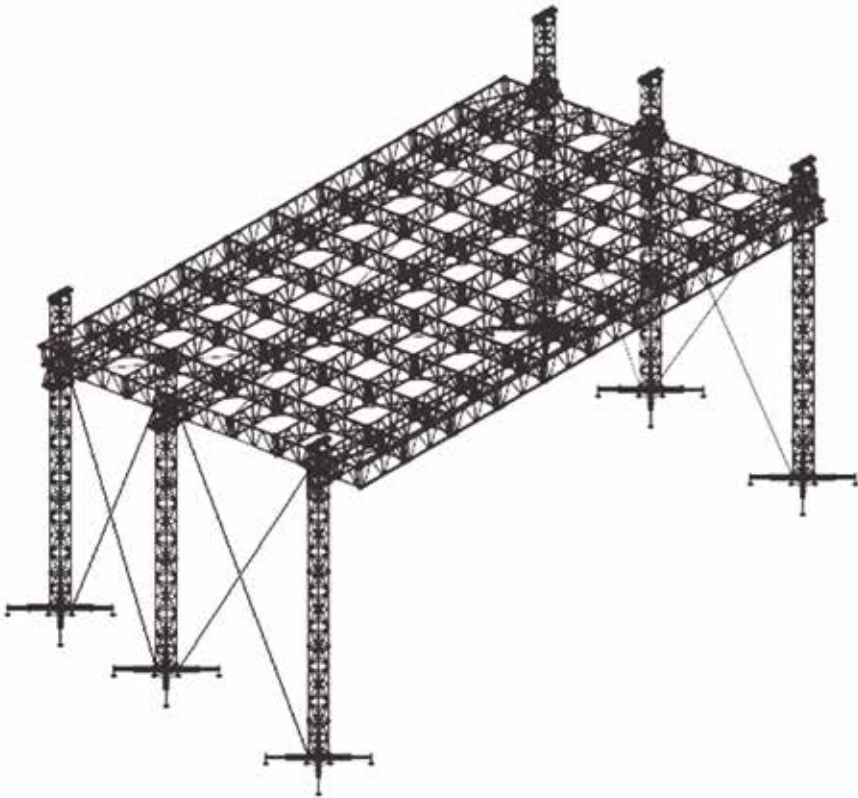
LIBERA is an open structural system. Roof systems in LIBERA 76 consist of Maxitowers and a LIBERA FL76 grid structure. With the single-pitch roof, the upper grid structure consists of trusses with built-in LIBERA FL76R roofing sheet guides.

Dimensions		19x16 m
Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	10000 kg ≈
Chain hoists	→	2000 kg
Total weight	→	7880 kg
Volume	→	65 m³
Set-up time & number of workers	→	6 hrs / 5 w

* Range suggested according to the dimensions of the roof system.
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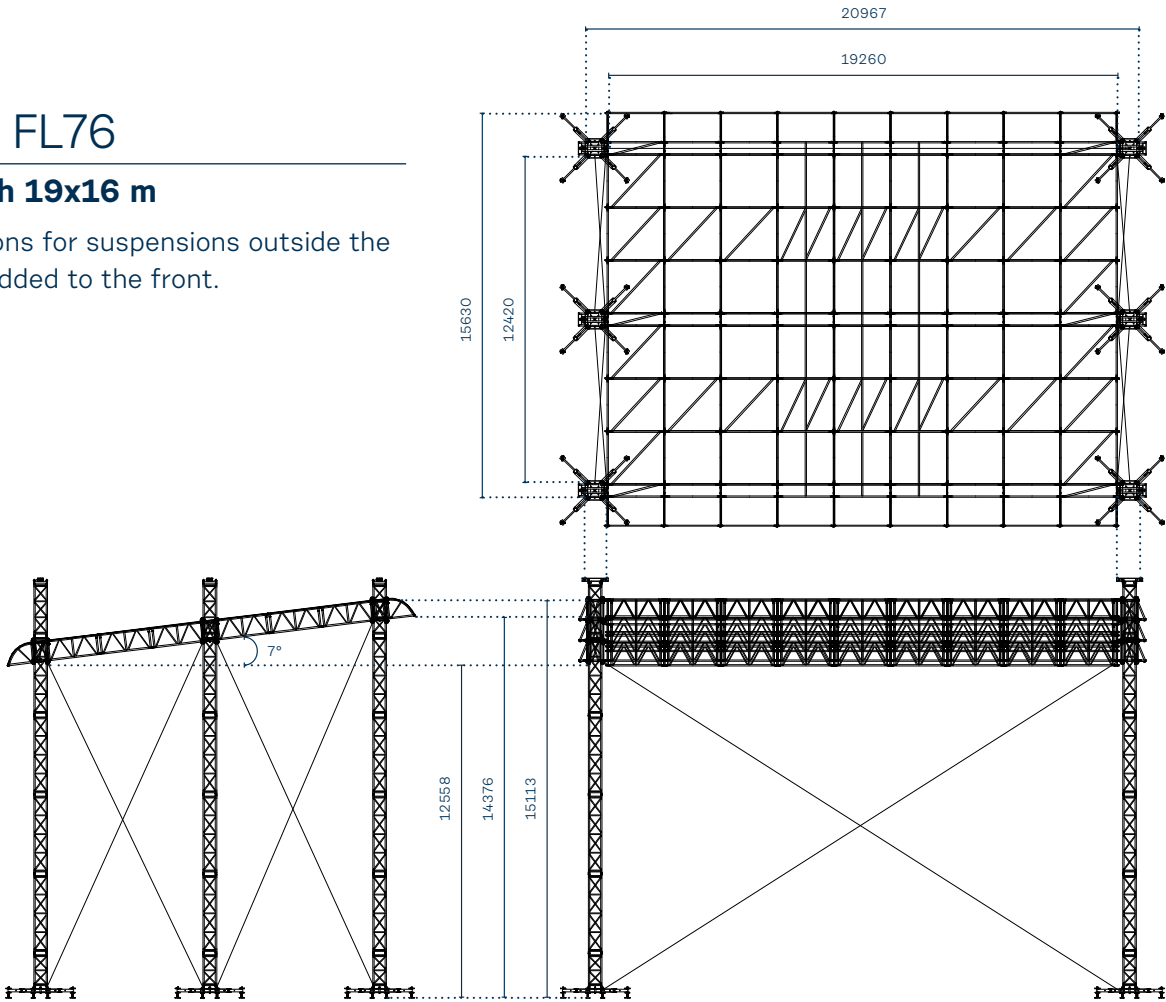
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LIBERA FL76

Single Pitch 19x16 m

Side extensions for suspensions outside the set may be added to the front.



LIBERA FL76

Double Pitch 19x13 m



LIBERA is an open structural system. Roof systems in LIBERA 76 consist of Maxitowers and a LIBERA FL76 grid structure.

With the single-pitch roof, the upper grid structure consists of trusses with built-in LIBERA FL76R roofing sheet guides.

Dimensions		19x13 m
Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	11000 kg ≈
Chain hoists	→	2000 kg
Total weight	→	7700 kg
Volume	→	65 m³
Set-up time & number of workers	→	6 hrs / 5 w

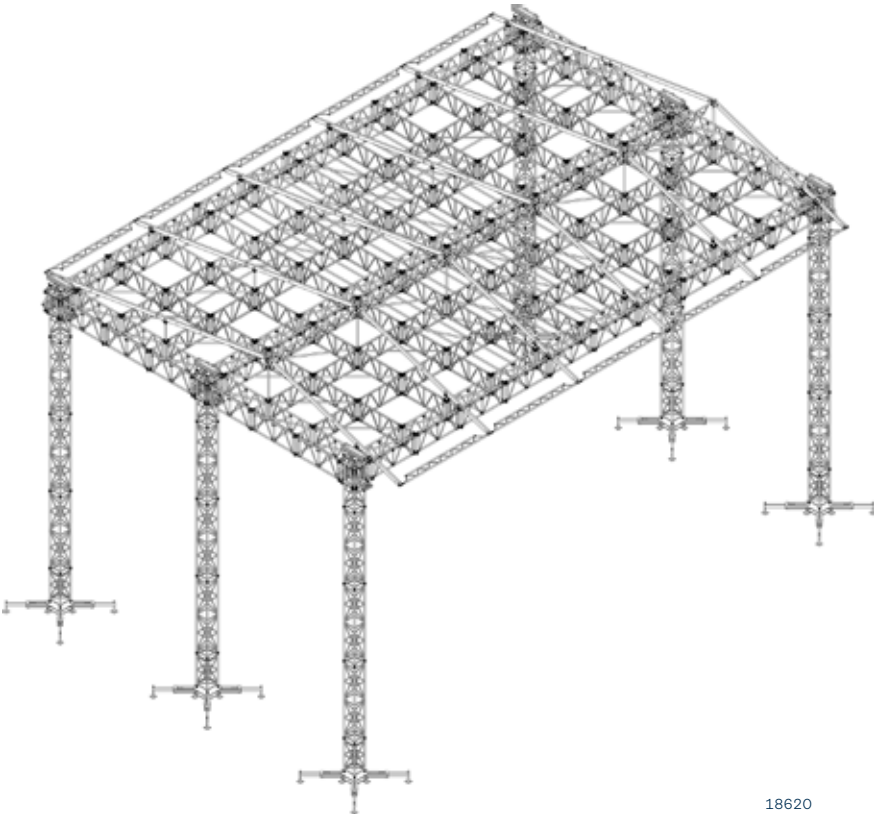
* Range suggested according to the dimensions of the roof system.

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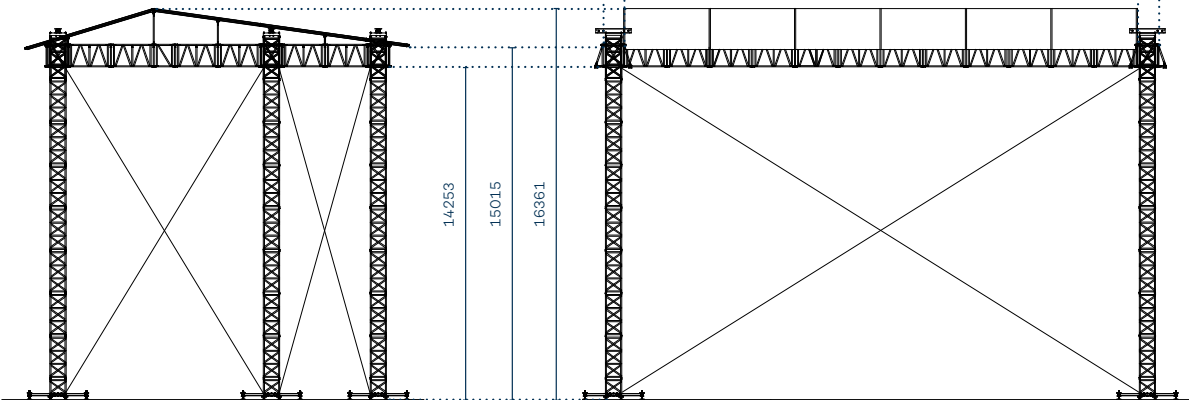
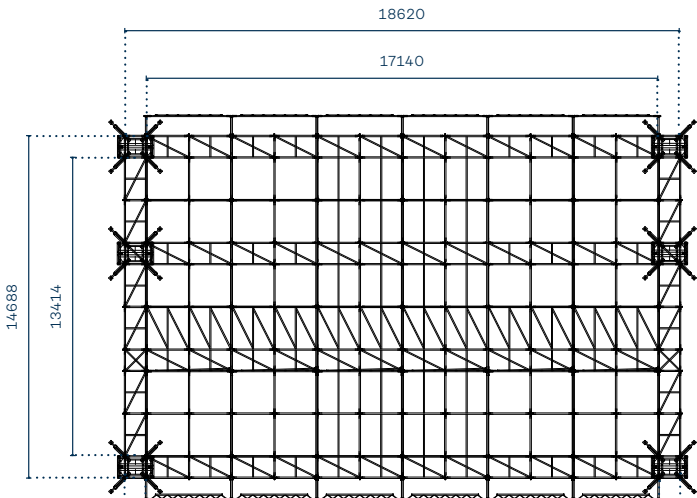
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LIBERA FL76

Double Pitch 19x13 m

Side extensions for suspensions outside the set may be added to the front.



LIBERA FL105

Double Pitch 20x16 m



This is the largest roof system in the LIBERA range, and one of the biggest and best performing on the market. It is based on the LIBERA concept and consists of Maxitower 76 and LIBERA FL105 trusses. It is imposing and sturdy, and is – in itself – the most spectacular element of the show. The structure has excellent technical specifications and is highly modular.

Dimensions	20x16 m
Heights range*	→ from 10 to 16 m
Main truss	→ LIBERA FL105
Towers	→ 6 x Maxitower 76
Uniformly distributed load UDL **	→ 15000 kg ≈
Chain hoists	→ 2000 kg
Total weight	→ 11700 kg
Volume	→ 112 m³
Set-up time & number of workers	→ 6 hrs / 6 w

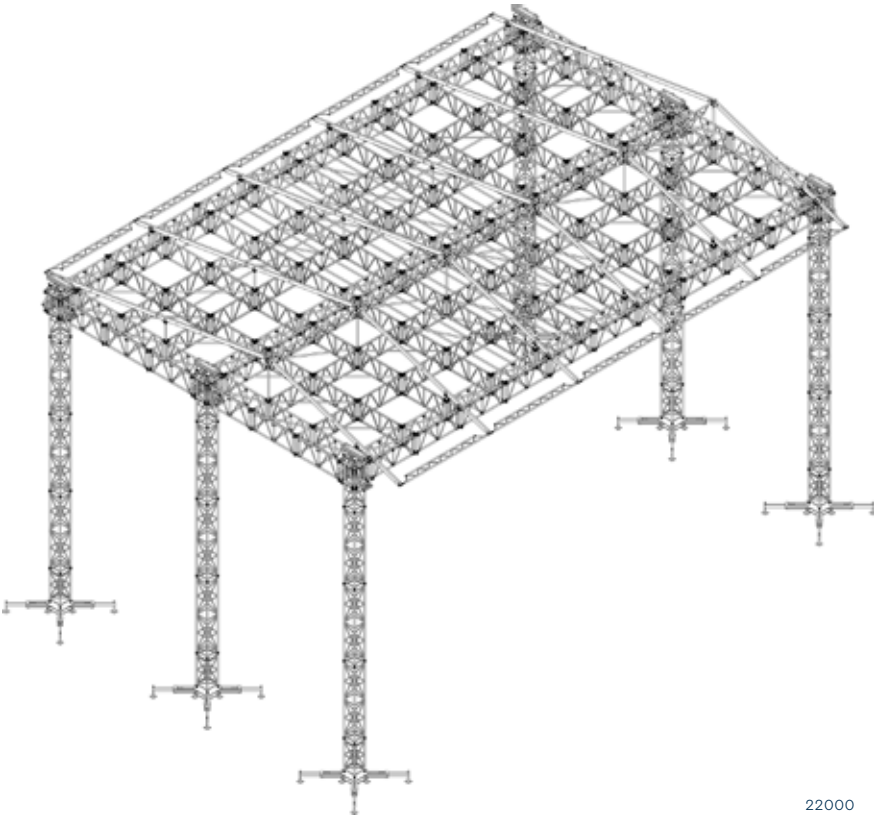
* Range suggested according to the dimensions of the roof system.

** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.

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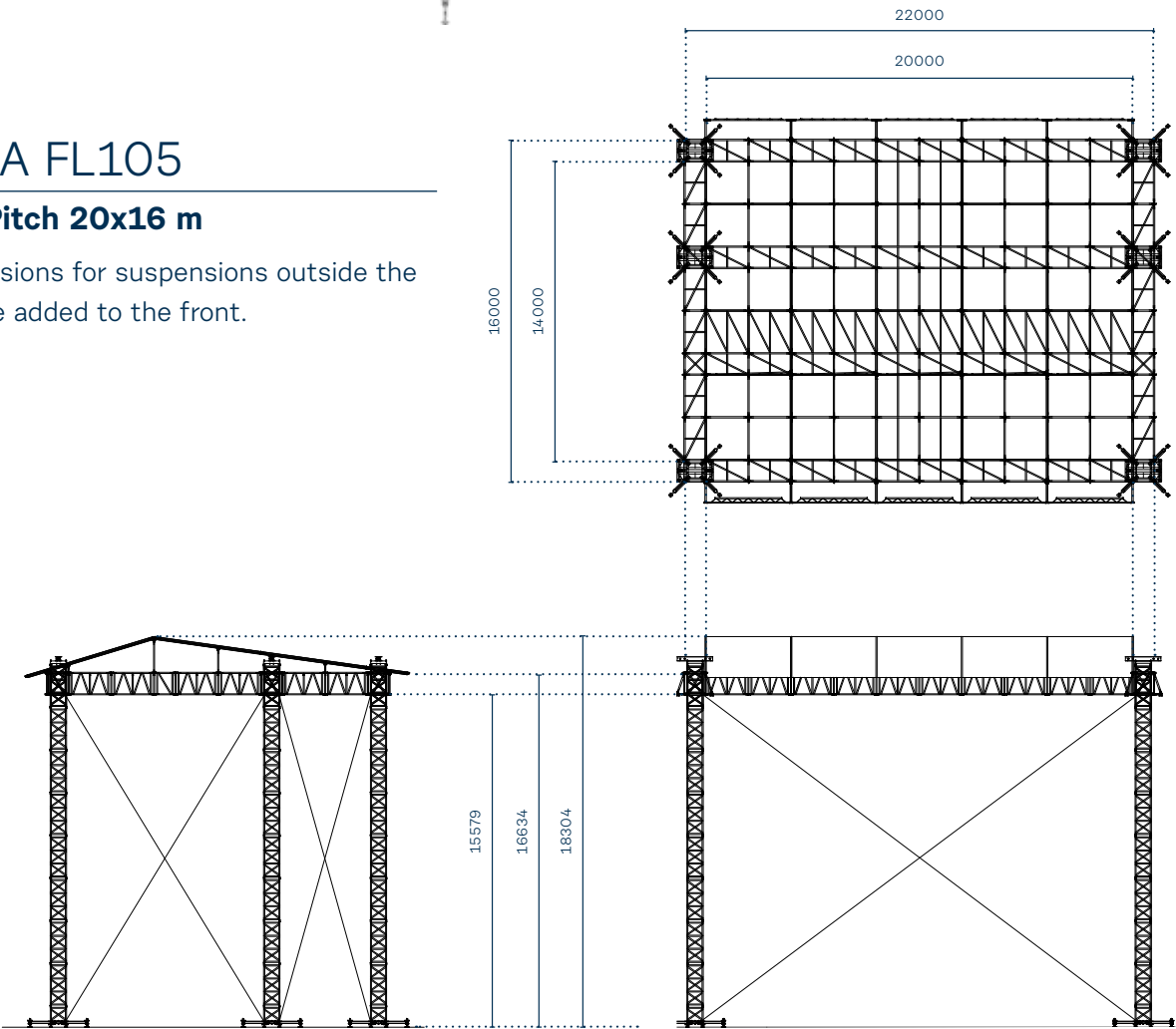
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LIBERA FL105

Double Pitch 20x16 m

Side extensions for suspensions outside the set may be added to the front.



Alusfera 2.0

21.5x11.5 m



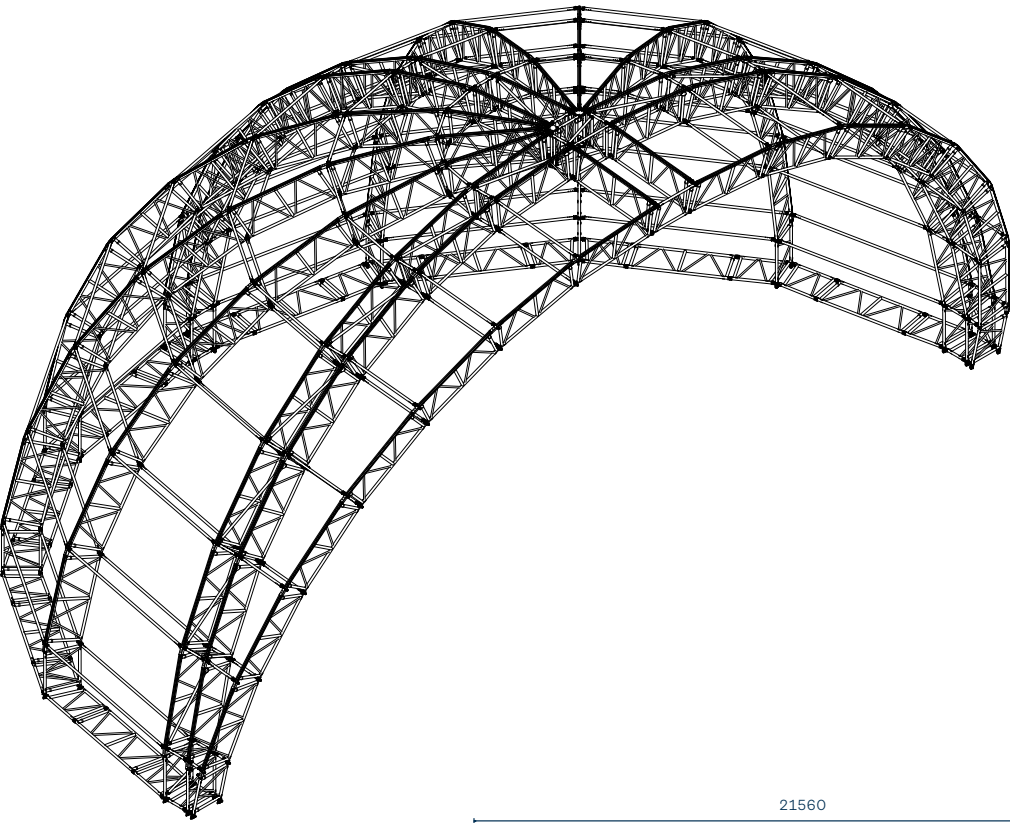
Alusfera is another way of using LIBERA, again starting from standard components with the addition of a few special accessories. It is a very impressive structure that may be used purely as part of the scenery, even without roofing sheets. Compared to the first version, Alusfera 2 has been designed with the addition of frontal and rear arches, a new ridge, a new solution to fix the main arches to the ground and an alternative for setting up.

Dimensions		21.5x11.5 m
Heights range*	→	11.5 m
Main truss	→	LIBERA FL76
Towers	→	//
Uniformly distributed load UDL **	→	6500 kg ≈
Chain hoists	→	//
Total weight	→	3700 kg
Volume	→	18 m³
Set-up time & number of workers	→	6 hrs / 5 w

* Height suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
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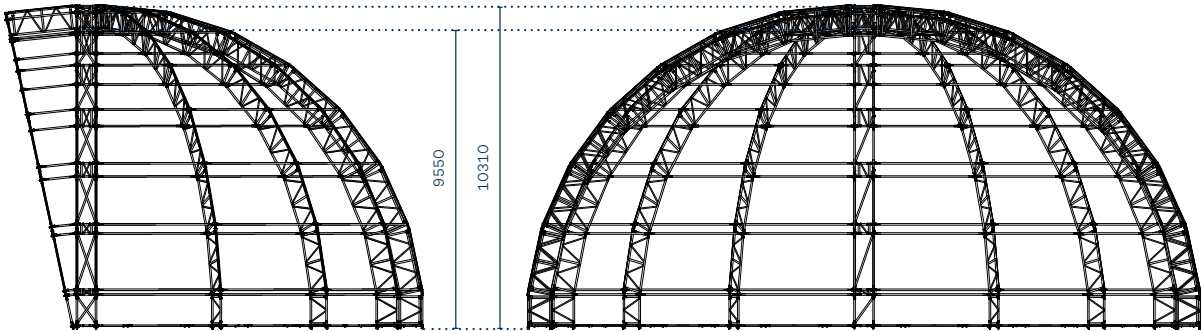
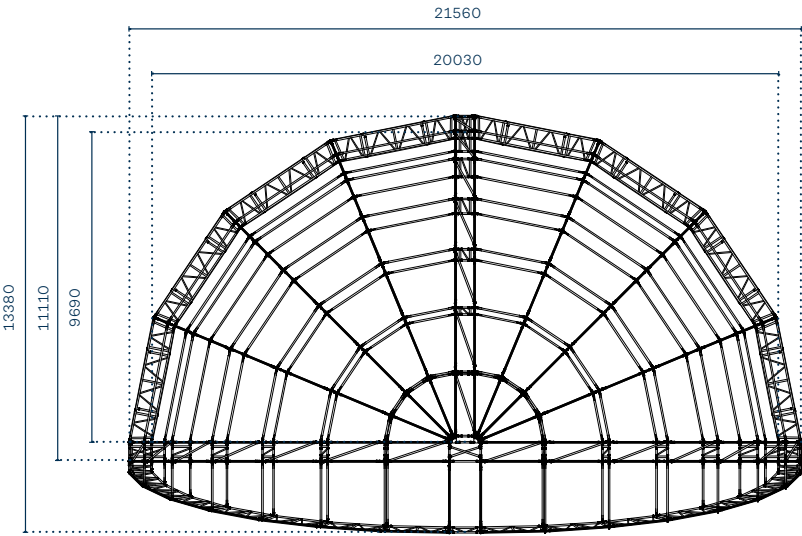
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LIBERA Alusfera 2.0

These innovations limit rain exposure, make assembly operations easier and increase load capacity.



LIBERA Tunnel

22x19 m



Not just straight: LIBERA can be “bent” and used to create rounded components simply by adding small accessories to normal trusses.

With simple stratagems you can go from flat systems to arched systems and vice versa. Tunnels may be created with front or side roof ridges.

Dimensions		22x19 m
Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	13000 kg ≈
Chain hoists	→	2000 kg
Total weight	→	9700 kg
Volume	→	62 m³
Set-up time & number of workers	→	8 hrs / 8 w

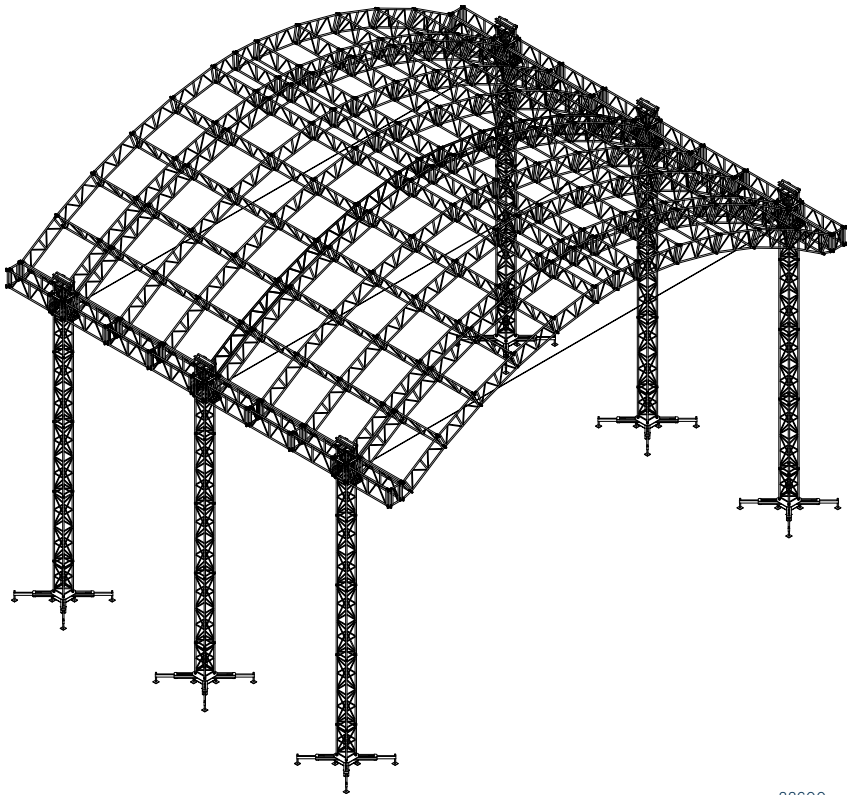
* Range suggested according to the dimensions of the roof system.

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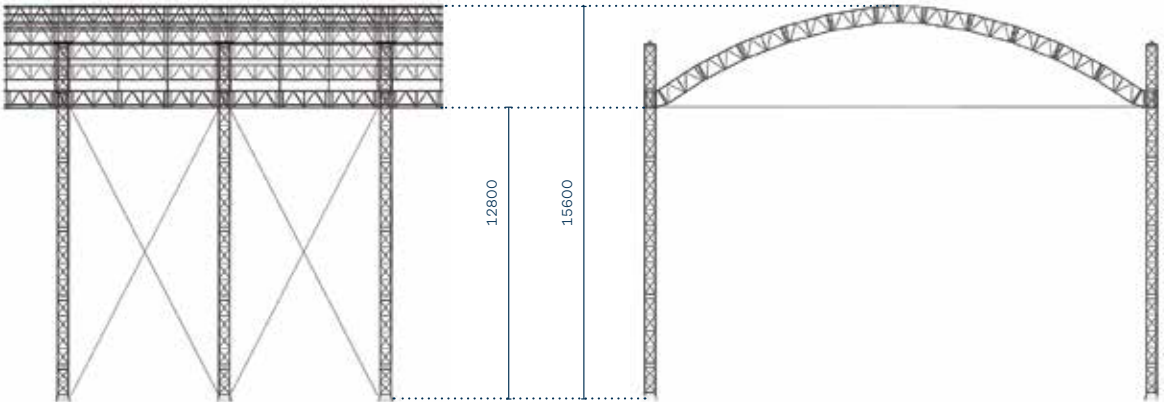
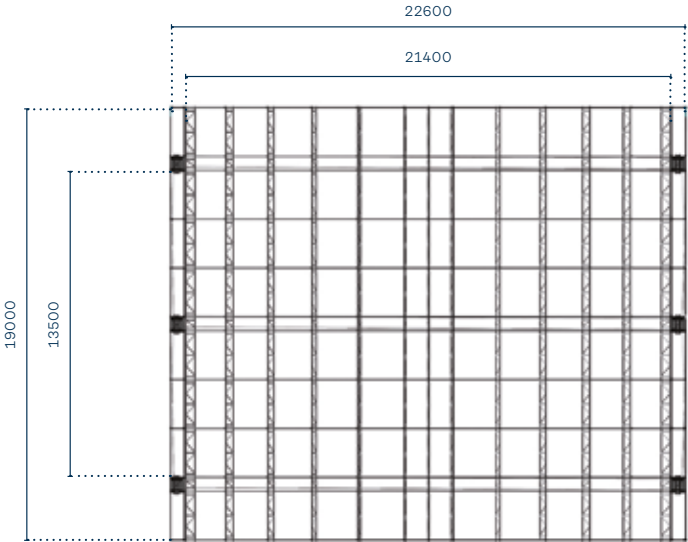
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LIBERA Tunnel 22x19 m

No other product in this sector is so versatile, and riggers who fully understand the concept are able to assemble different structures each time. Rounded systems may be built with all LIBERA FL52, FL76 and FL105 models.



LIBERA FL105

Double Pitch 24x16 m



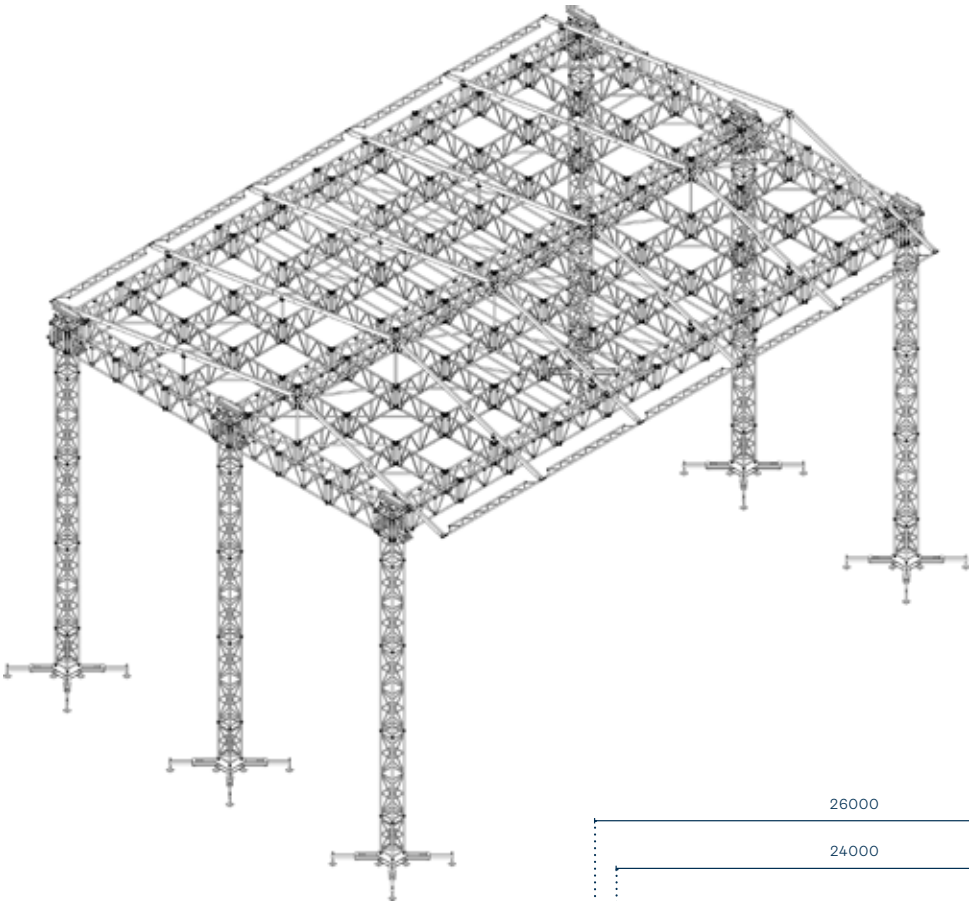
This is the largest roof system in the LIBERA range, and one of the biggest and best performing on the market. It is based on the LIBERA concept and consists of Maxitower 76 towers and LIBERA FL105 trusses. It is imposing and sturdy, and is – in itself – the most spectacular element of the show. The structure has excellent technical specifications and is highly modular.

Dimensions		24x16 m
Heights range*	→	from 10 to 16 m
Main truss	→	LIBERA FL105
Towers	→	6 x Maxitower 76
Uniformly distributed load UDL **	→	14000 kg ≈
Chain hoists	→	2000 kg
Total weight	→	12800 kg
Volume	→	116 m³
Set-up time & number of workers	→	6 hrs / 6 w

* Range suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
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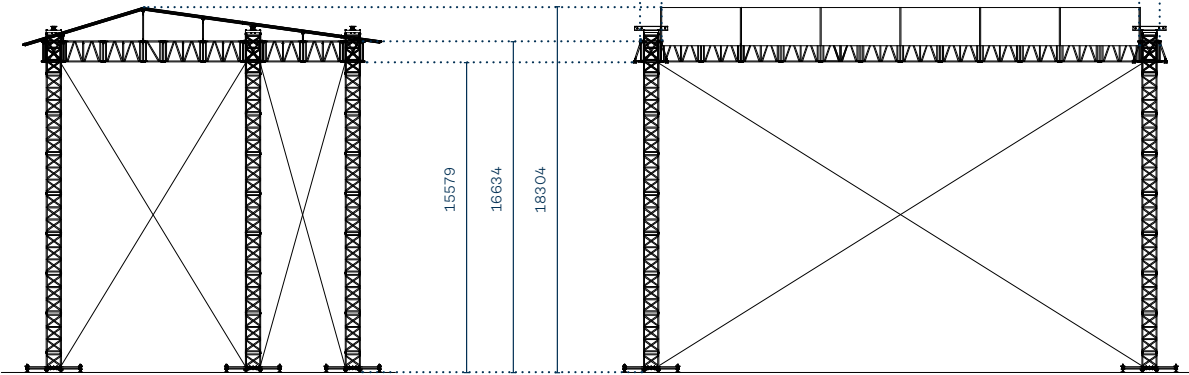
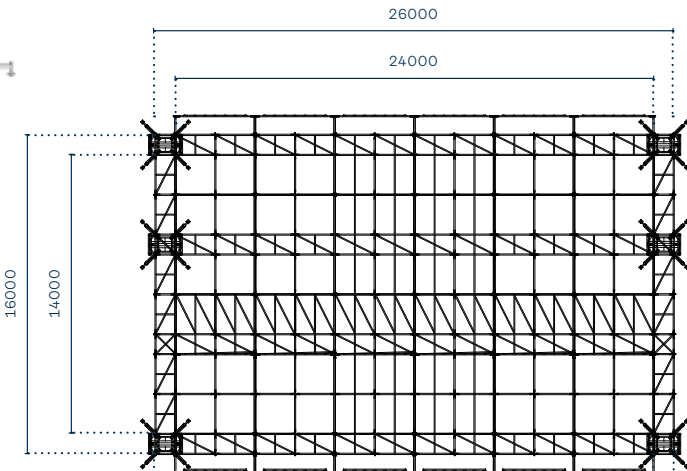
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LIBERA FL105

Double Pitch 24x16 m

Side extensions for suspensions outside the set may be added to the front.



Terrace Stand Roofing



This roof system for sports derives from the LIBERA modular concept. It uses trapezoidal flat section trusses which give the structure a streamlined look and the necessary slope for water to run off. Being completely overhanging, it does not need support pillars. The maximum overhang possible is 8 metres from the back wall, provided the stand structure is sufficiently ballasted.

Dimensions

FL10075200R HL trapez. flat truss	100/75 cm section	2 metres long
FL7550200R HL trapez. flat truss	75/50 cm section	2 metres long
FL5035200R HL trapez. flat truss	50/35 cm section	2 metres long
FL3520200R HL trapez. flat truss	35/20 cm section	2 metres long

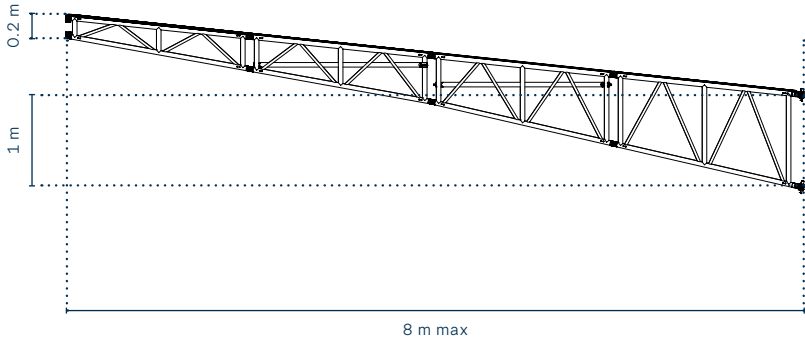
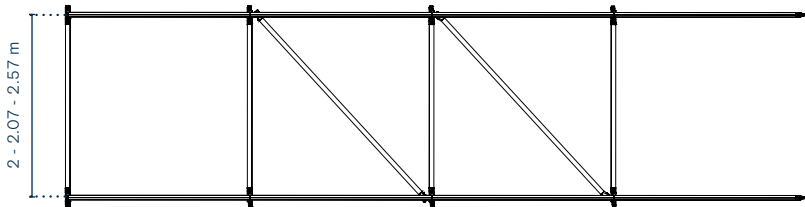
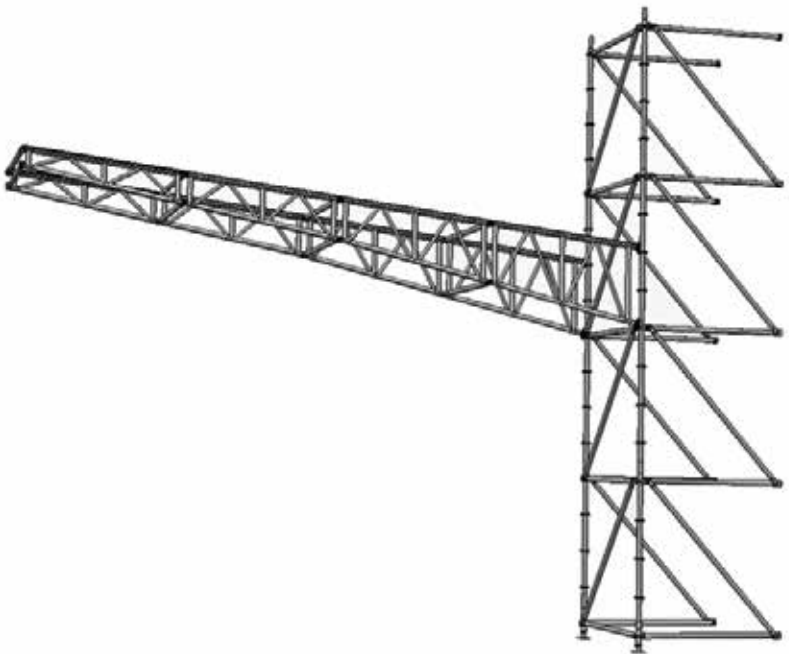
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Terrace stand roofing

LITEC only provides the roof system and connection components compatible with the most important makes of multidirectional scaffolding.







FORK Trusses

Roof Systems

Load carrying capacity

These roof systems are high-performance structures that feature a connection made through steel forks. This line was designed when a high loading capacity is required together with wide spans.

They consist of Maxitowers and load bearing trusses with universal fork connections for high-end solutions. Their impressive load bearing and sturdy constructions provide the safety you require, while lending an air of style to your events.

Perfectly in line with international standard dimensions, they are totally integrated with the LIBERA system.

QL40A

Single Pitch 14x10 m



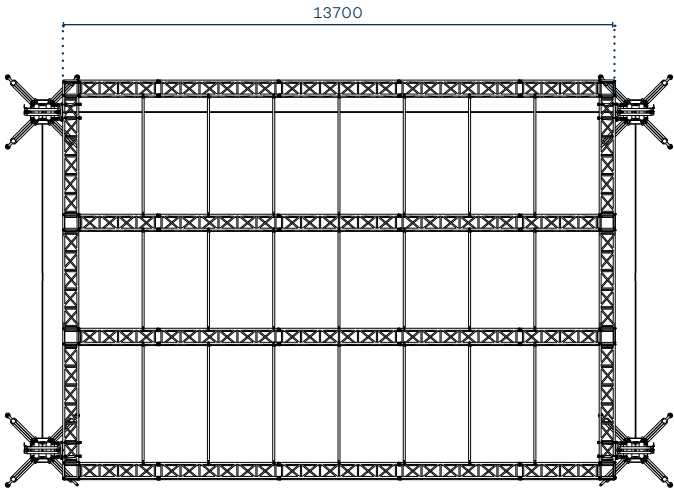
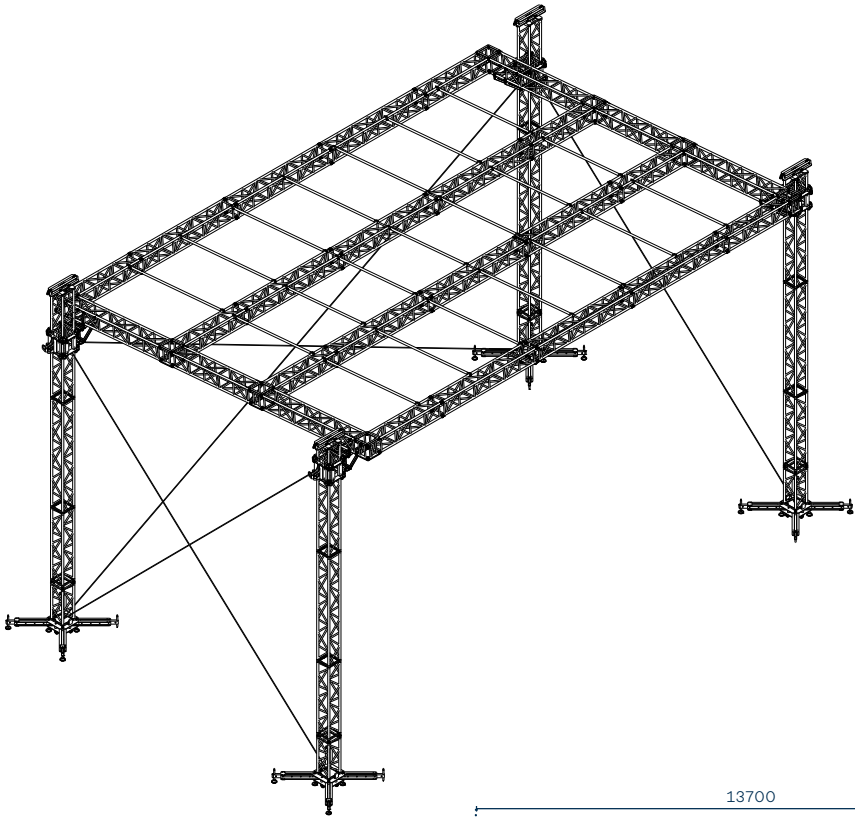
A single pitch 14 x 10 m metre roof that's the smallest available with a fork connection. At this size, it serves as a bridge between small and medium events. Its impressive load bearing and sturdy construction provide the safety you require, while lending an air of style to your events.

Dimensions		14x10 m
Height range*	→	9.5 m
Main truss	→	QL40A
Towers	→	Varitower 3-40
Uniformly distributed load UDL**	→	6200 kg
Chain hoist	→	1 ton
Trusses for lifter	→	QH40SA
Trusses for roof	→	QL40A
Roofing sheet	→	Self-extinguishing Class 2 - 650 g/m²

* Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.

** This figure shows the ratio between the area covered by the assembled structure and the volume of the individual trusses used to build it. It is an efficiency figure useful in comparative analyses: transportability efficiency improves as the figure increases.

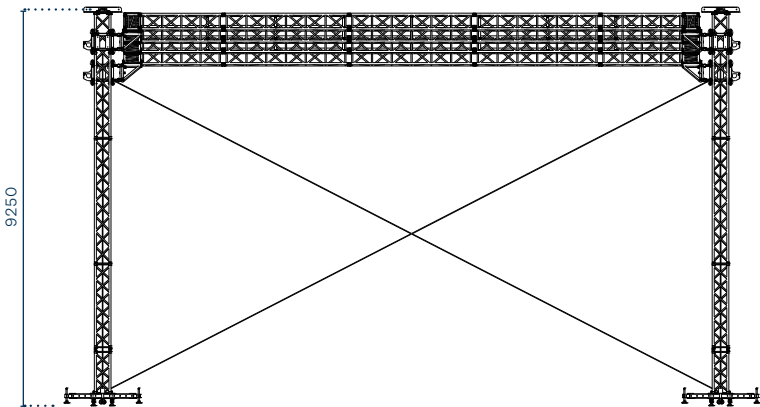
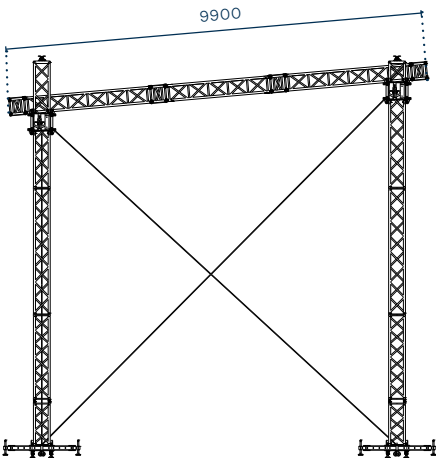
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QL40A

Single Pitch 14x10 m

Side extensions for suspensions outside the set may be added to the front.



QL52A

Double Pitch 15x12 m



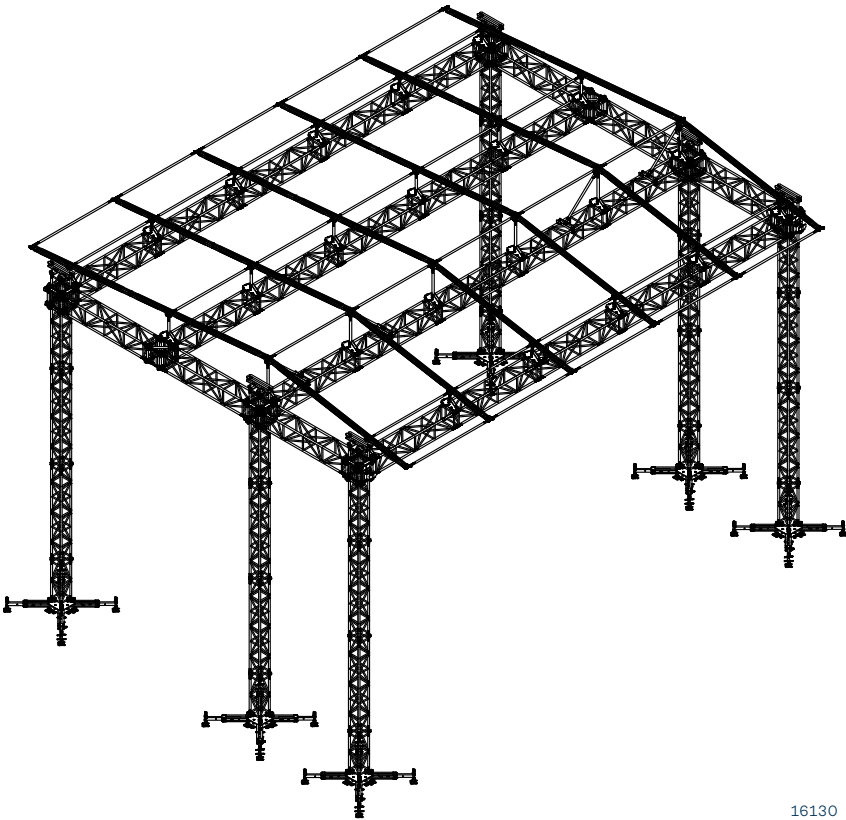
High Load roof systems are particularly suitable for medium-sized covered structures. They consist in load bearing trusses with universal fork connections for high-end solutions.

Dimensions		15x12 m
Heights range*	→	from 7 to 11 m
Main truss	→	QL52A
Towers	→	4 x Maxitower 40
Uniformly distributed load UDL **	→	7000 kg
Chain hoists	→	1000 kg
Total weight	→	6700 kg
Volume	→	45 m³
Set-up time & number of workers	→	4 hrs / 5 w

* Range suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
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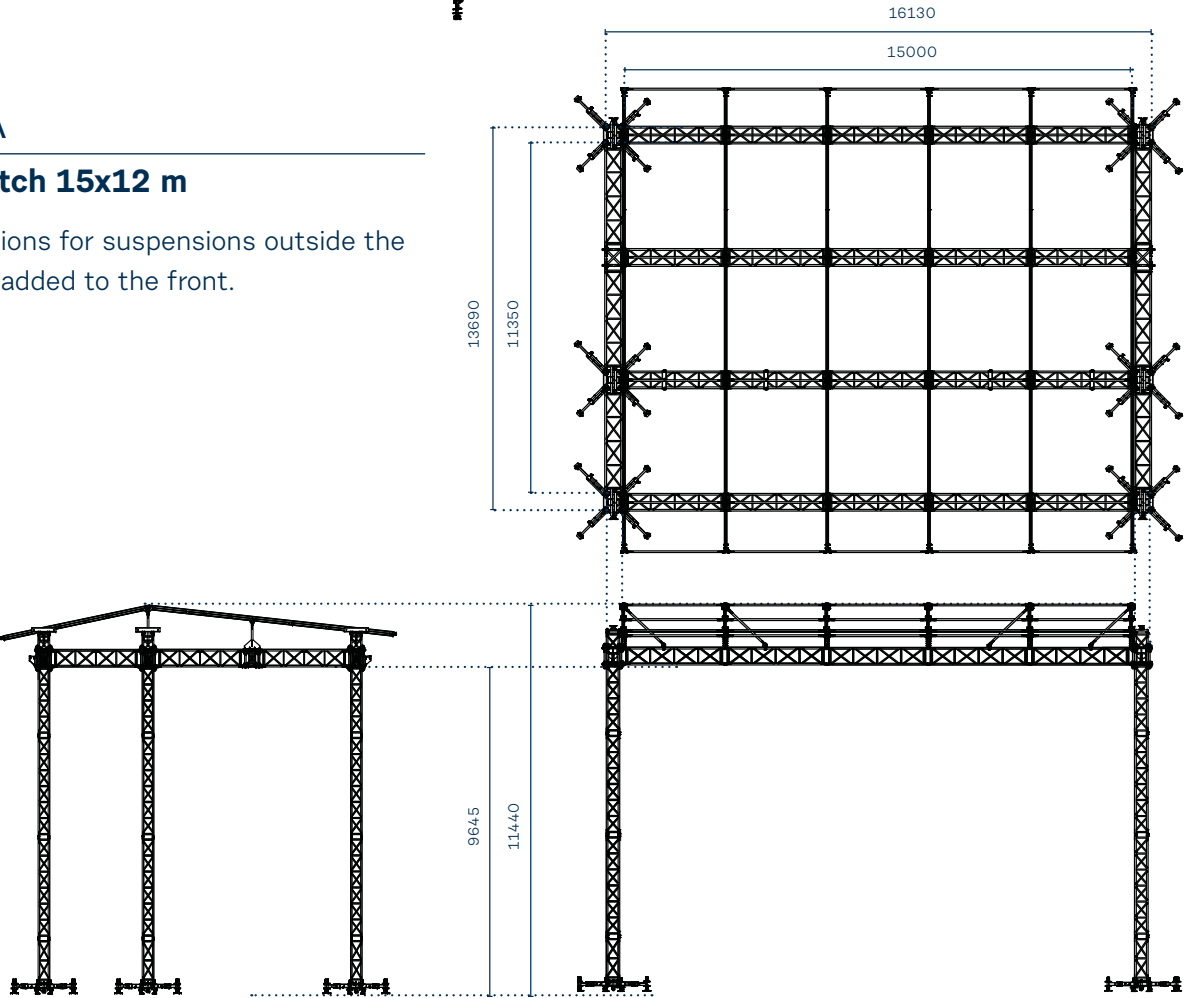
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QL52A Double Pitch 15x12 m

Side extensions for suspensions outside the set may be added to the front.



RL76A

Double Pitch 18x16 m



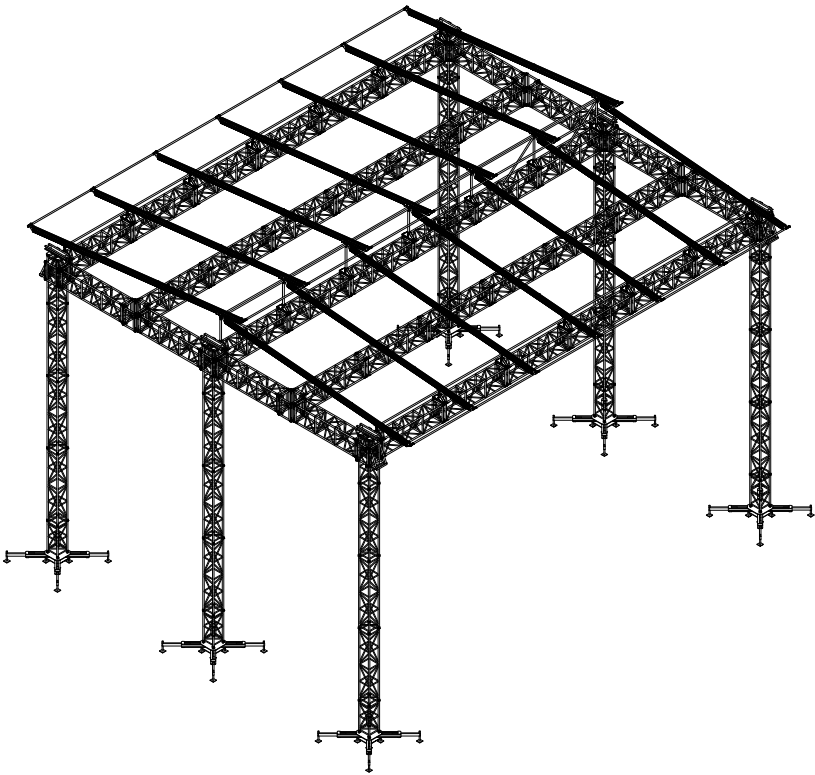
These roof systems are high-performance structures that feature a connection made through steel forks. This line was designed when a high loading capacity is required together with wide spans.

Dimensions	18x16 m
Heights range*	→ from 7 to 11 m
Main truss	→ RL76A
Towers	→ 6 x Maxitower 40
Uniformly distributed load UDL **	→ 9000 kg
Chain hoists	→ 1000 kg
Total weight	→ 8200 kg
Volume	→ 76 m³
Set-up time & number of workers	→ 5 hrs / 6 w

* Range suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
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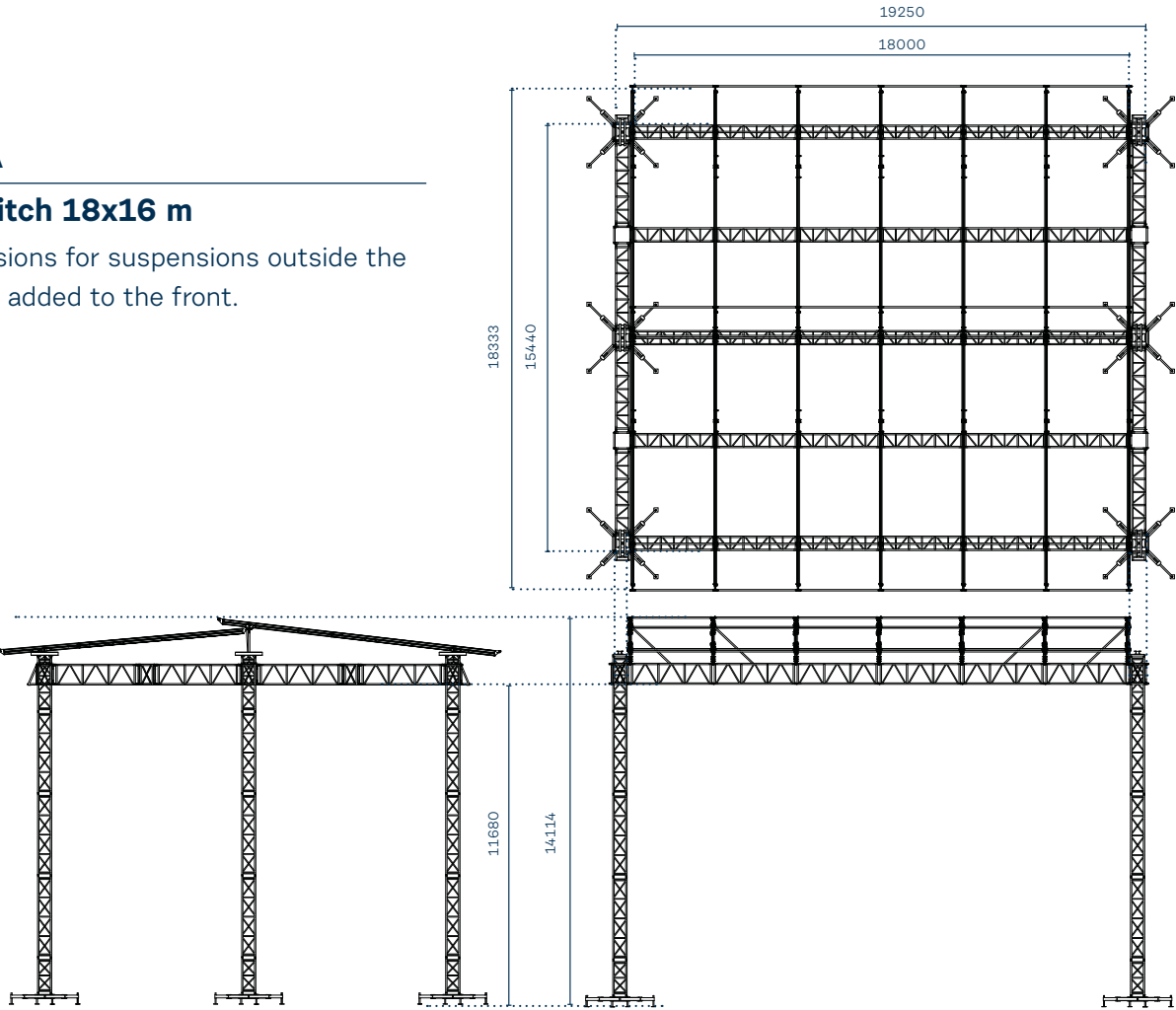
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RL76A

Double Pitch 18x16 m

Side extensions for suspensions outside the set may be added to the front.



RL76A

Double Pitch 21x16 m



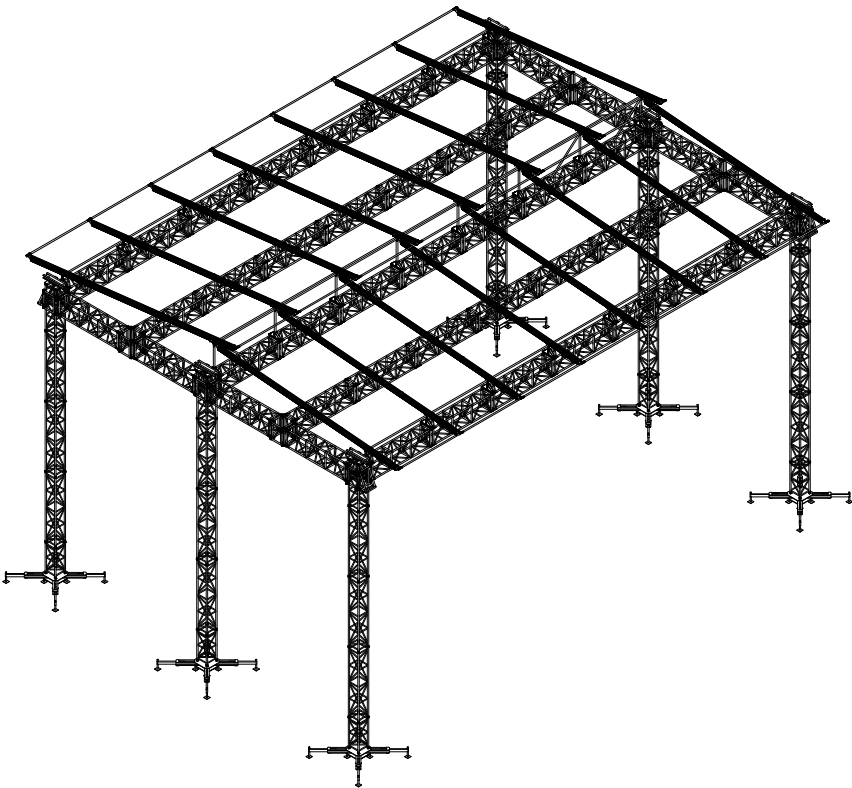
These roof systems are high-performance structures that feature a connection made through steel forks. This line was designed when a high loading capacity is required together with wide spans.

Dimensions		21x16 m
Heights range*	→	from 7 to 11 m
Main truss	→	RL76A
Towers	→	6 x Maxitower 40
Uniformly distributed load UDL **	→	7140 kg
Chain hoists	→	1000 kg
Total weight	→	9000 kg
Volume	→	88 m³
Set-up time & number of workers	→	6 hrs / 6 w

* Range suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
For details and further information, please consult the technical specifications or contact our engineering department or distributors.

The examples and data shown on these pages are necessarily indicative owing to the extreme variability of the conditions in which the structures may be assembled. Each installation must be provided with a suitable quantity of ballast, as shown on the product certificates.

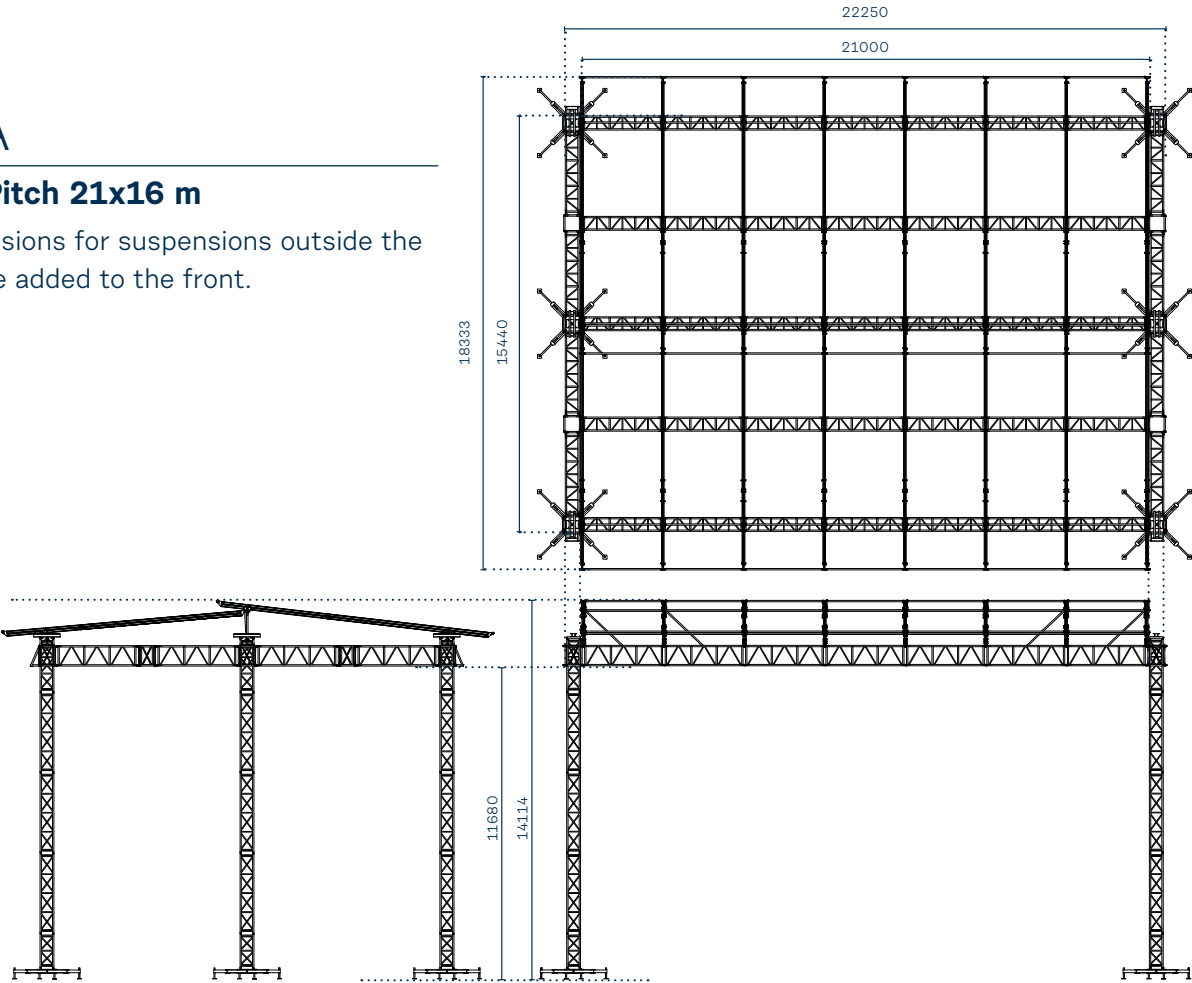
This line of structures was created in compliance with European standards. Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



RL76A

Double Pitch 21x16 m

Side extensions for suspensions outside the set may be added to the front.



RL105A

Double Pitch 21x16 m



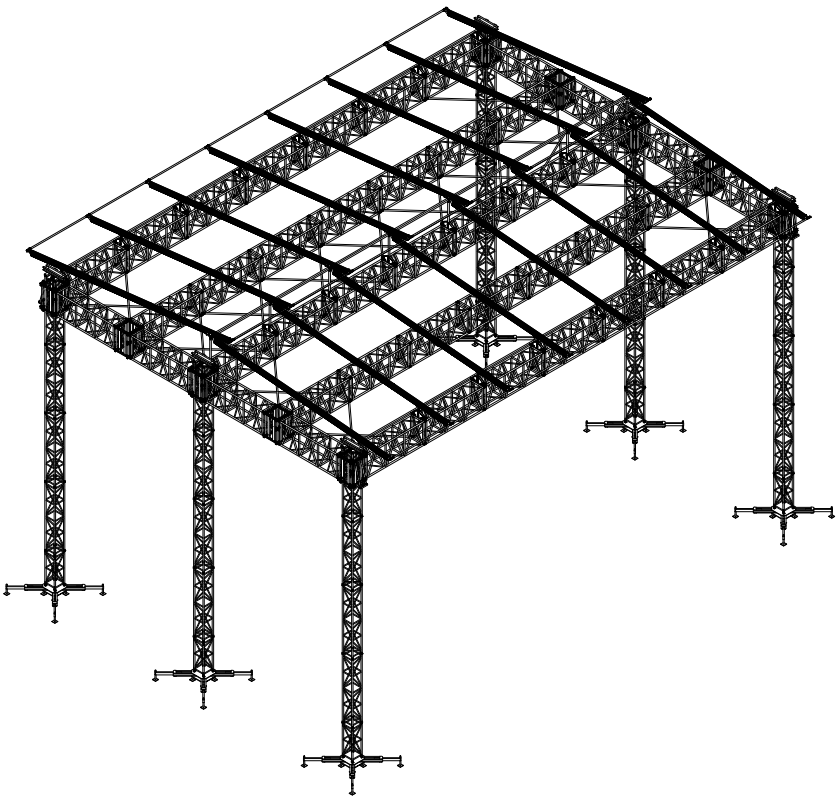
They are strong and sturdy roof systems totally built in RL105A trusses and Maxitowers 52. They are thought for big installations on wide spans. They feature new built-in guides for inserting roof sheets and a four-way sleeve block which is compatible with LIBERA FL105.

Dimensions		21x16 m
Heights range*	→	from 10 to 16 m
Main truss	→	RL105A
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	20000 kg
Chain hoists	→	2000 kg
Total weight	→	13500 kg
Volume	→	160 m³
Set-up time & number of workers	→	8 hrs / 6 w

* Range suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
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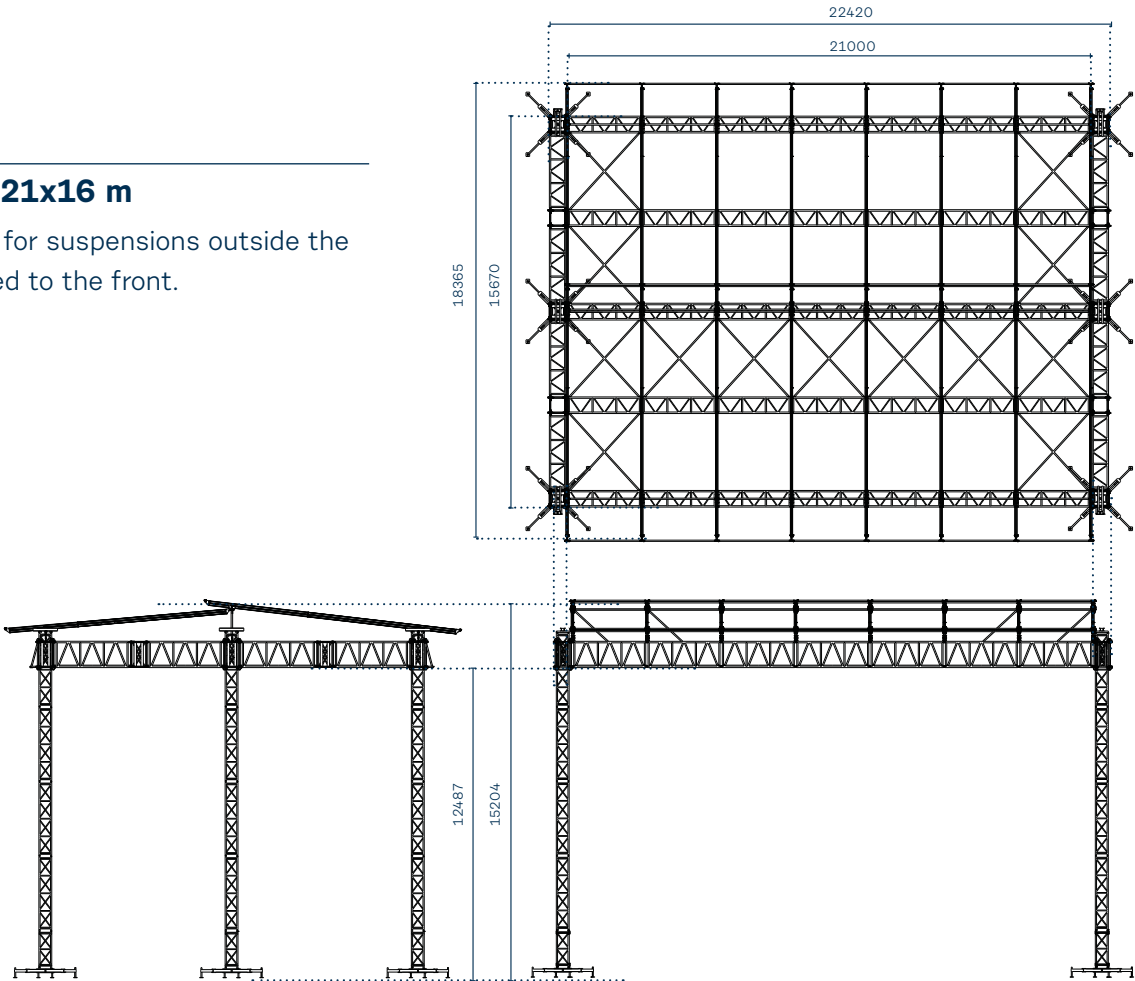
This line of structures was created in compliance with European standards. Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



RL105A

Double Pitch 21x16 m

Side extensions for suspensions outside the set may be added to the front.



RL105A

Double Pitch 24x16 m



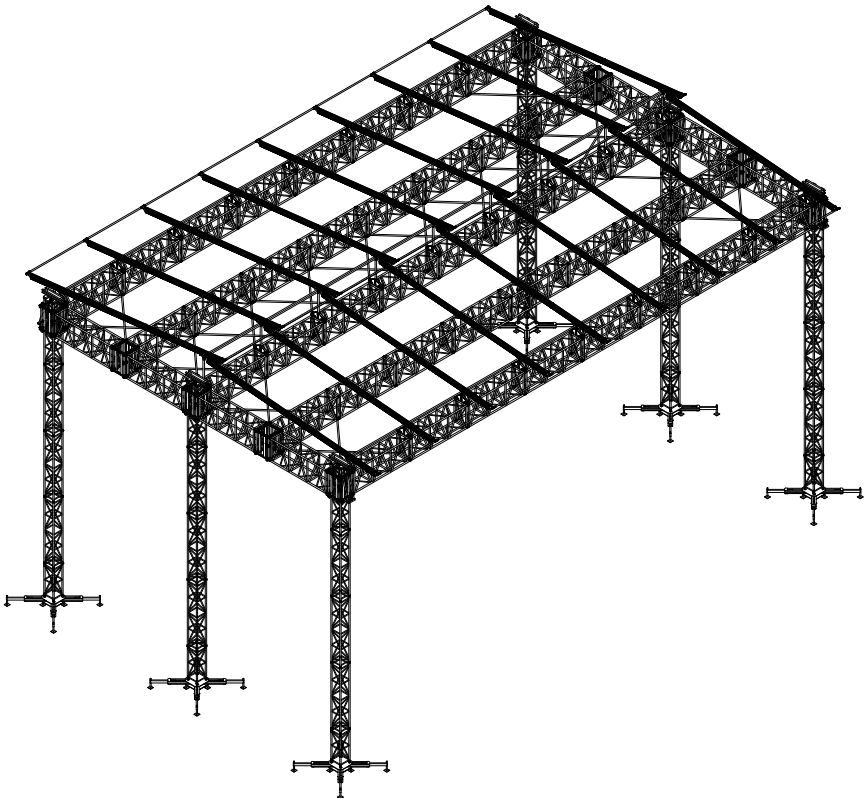
They are strong and sturdy roof systems totally built in RL105A trusses and Maxitowers 52. They are thought for big installations on wide spans. They feature new built-in guides for inserting roof sheets and a four-way sleeve block which is compatible with LIBERA FL105.

Dimensions		24x16 m
Heights range*	→	from 10 to 16 m
Main truss	→	RL105A
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	17000 kg
Chain hoists	→	2000 kg
Total weight	→	14000 kg
Volume	→	172 m³
Set-up time & number of workers	→	8 hrs / 6 w

* Range suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
For details and further information, please consult the technical specifications or contact our engineering department or distributors.

The examples and data shown on these pages are necessarily indicative owing to the extreme variability of the conditions in which the structures may be assembled. Each installation must be provided with a suitable quantity of ballast, as shown on the product certificates.

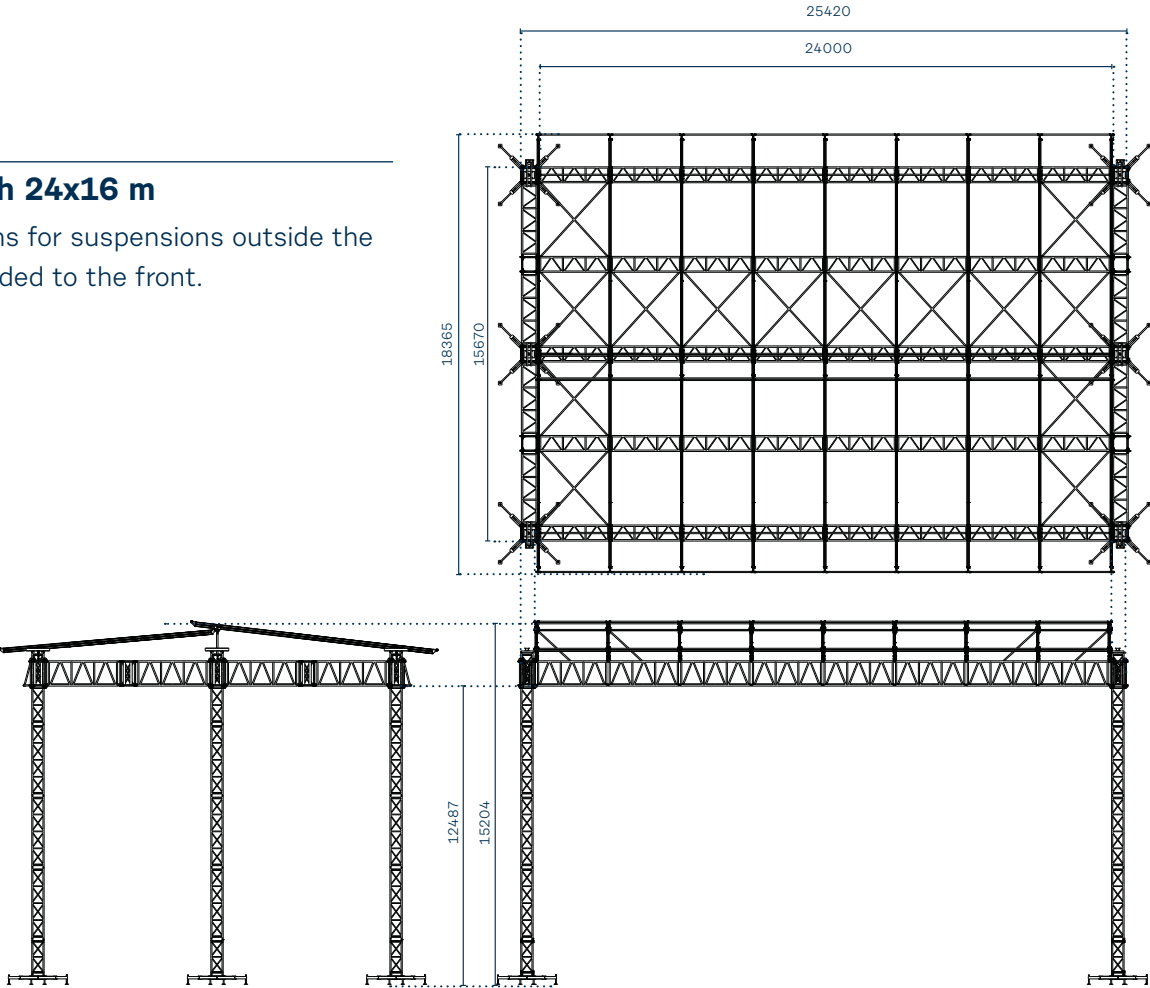
This line of structures was created in compliance with European standards. Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



RL105A

Double Pitch 24x16 m

Side extensions for suspensions outside the set may be added to the front.



MyT Folding Steroid



33x20 m + 9 m of P.A. WINGS

The Roof size can easily be adapted by combining the width (33, 30 and 27 meters) and the depth (20, 17 and 14 meters). In any formation, the towers in conjunction with the ballast base system guarantee high stability and solidity of the structure.

MyT Folding Steroid is a new concept in ultra high load truss that is the perfect choice for any temporary or semi-permanent structure. Made from EN AW-7003 T6 high performance aluminum alloy it maintains its form and undergoes minimal deflection even at maximum load allowing higher load capacity at longer spans than any other truss system.

MyT Folding Steroid truss can be folded, locked and moved by a single person. It’s folding design reduces the transport and storage space required, making it the best investment for large structures - the perfect balance of cost, performance and handling!

Dimensions

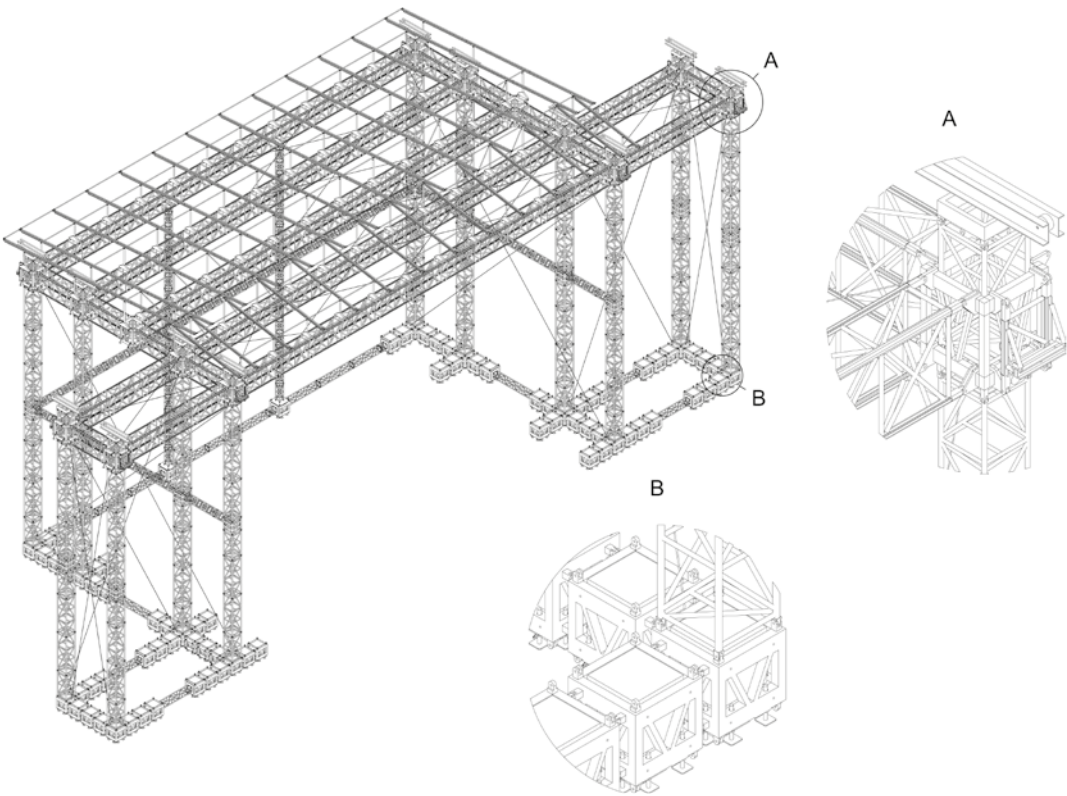
33x20 m + 9 m of P.A.

Height range*	→ from 15 to 25 m
Main truss	→ MyT Folding Steroid
Towers	→ MT85
Uniformly distributed load (UDL) **	→ ≈ 30.5 tons
Chain hoists	→ 5 or 6 tons

* Range suggested according to the dimensions of the roof system.
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.
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The examples and data shown on these pages are necessarily indicative owing to the extreme variability of the conditions in which the structures may be assembled. Each installation must be provided with a suitable quantity of ballast, as shown on the product certificates.

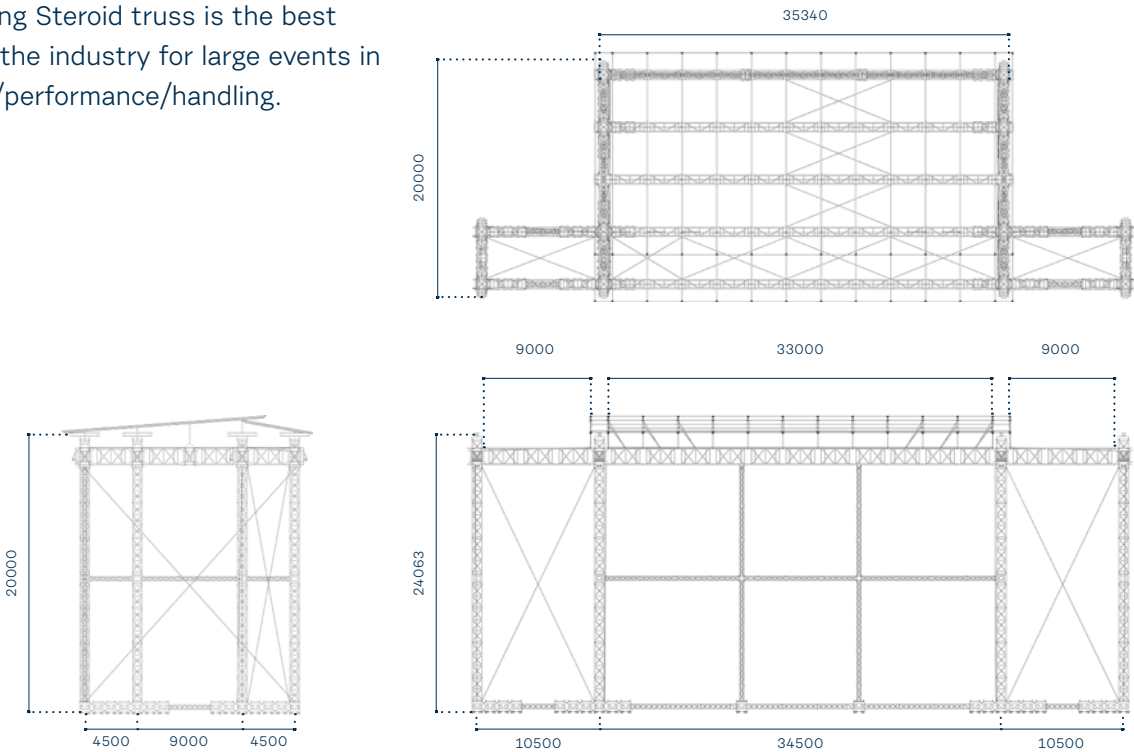
This line of structures was created in compliance with European standards. Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



MyT Folding Steroid

33x20 m + 9 m of P.A. WINGS

The MYT Folding Steroid truss is the best investment in the industry for large events in terms of cost/performance/handling.

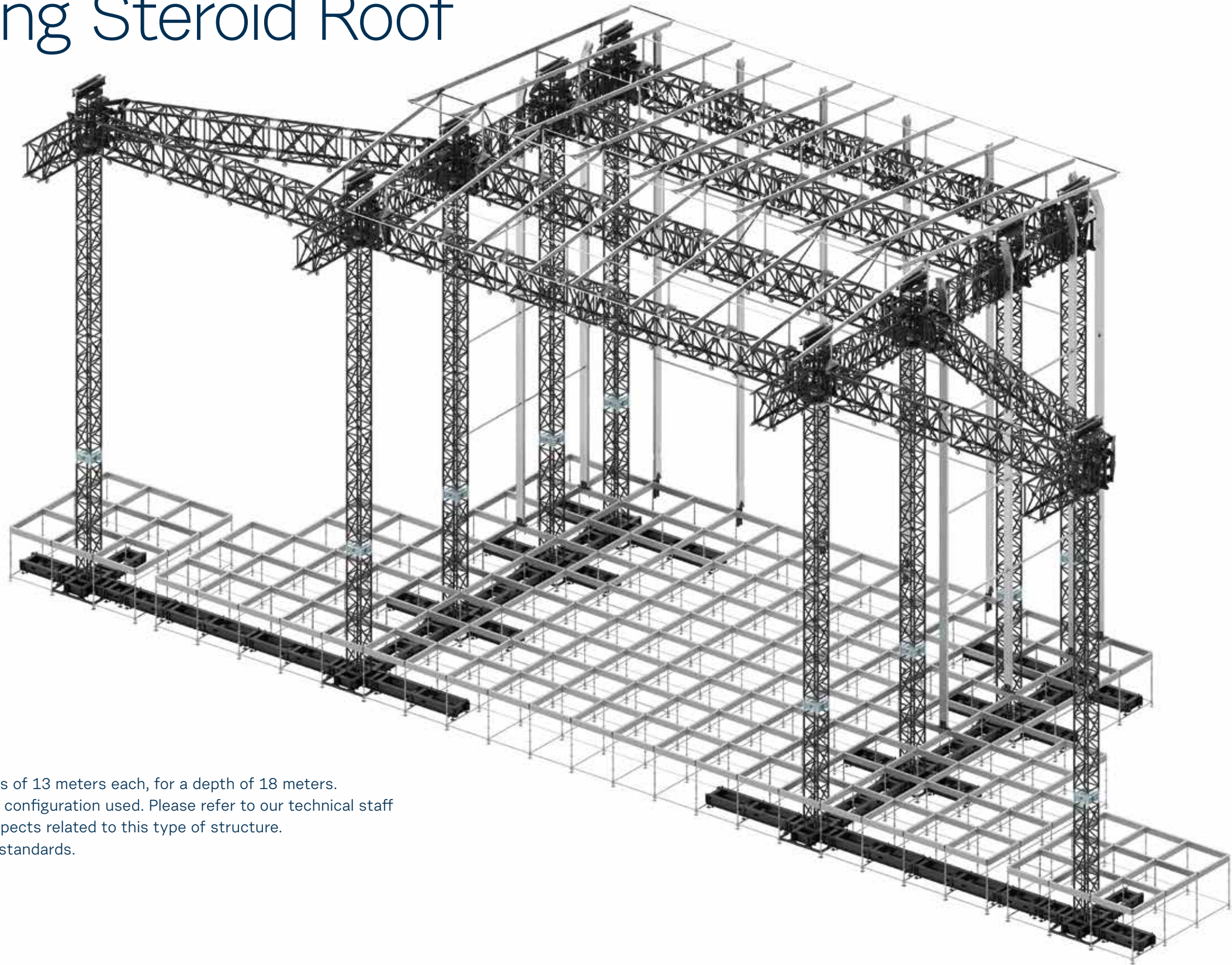


High Performance Roof System

The new HiPe Q76 towers in combination with the well-known Myt Folding Steroid Truss allow for the construction of high-performance roof systems. The entire project is based on metric modularity but can be fully compatible with Layher modularity through accessories that are already standard. The system comes with self-extinguishing sheets ceiling for the bottom and side walls. The complete supply can be provided with wind bracing kits and ballast.

HiPe Steel Towers & Myt Folding Steroid Roof	70
HiPe Steel Towers & Myt Folding Steroid Roof	72
The Hype Steel Ground Basis	74
The Hype Steel Sleeve & Safety block	76
The Hype Steel Stage Layher Spacer	77
High Performance Roofing System	78

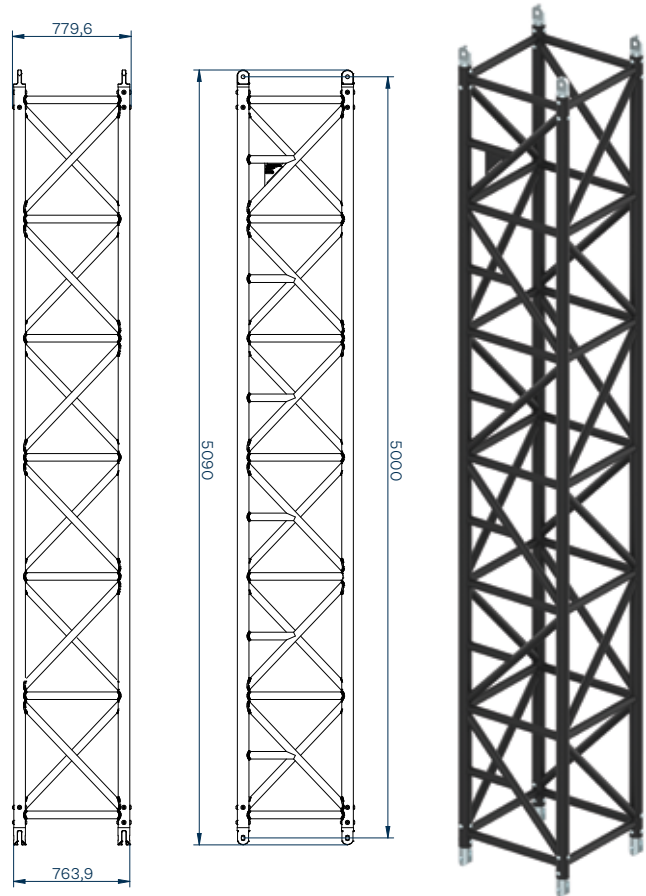
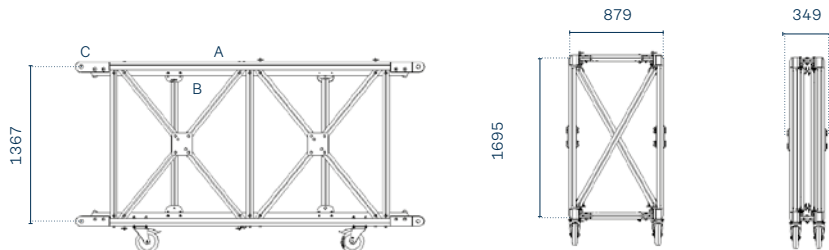
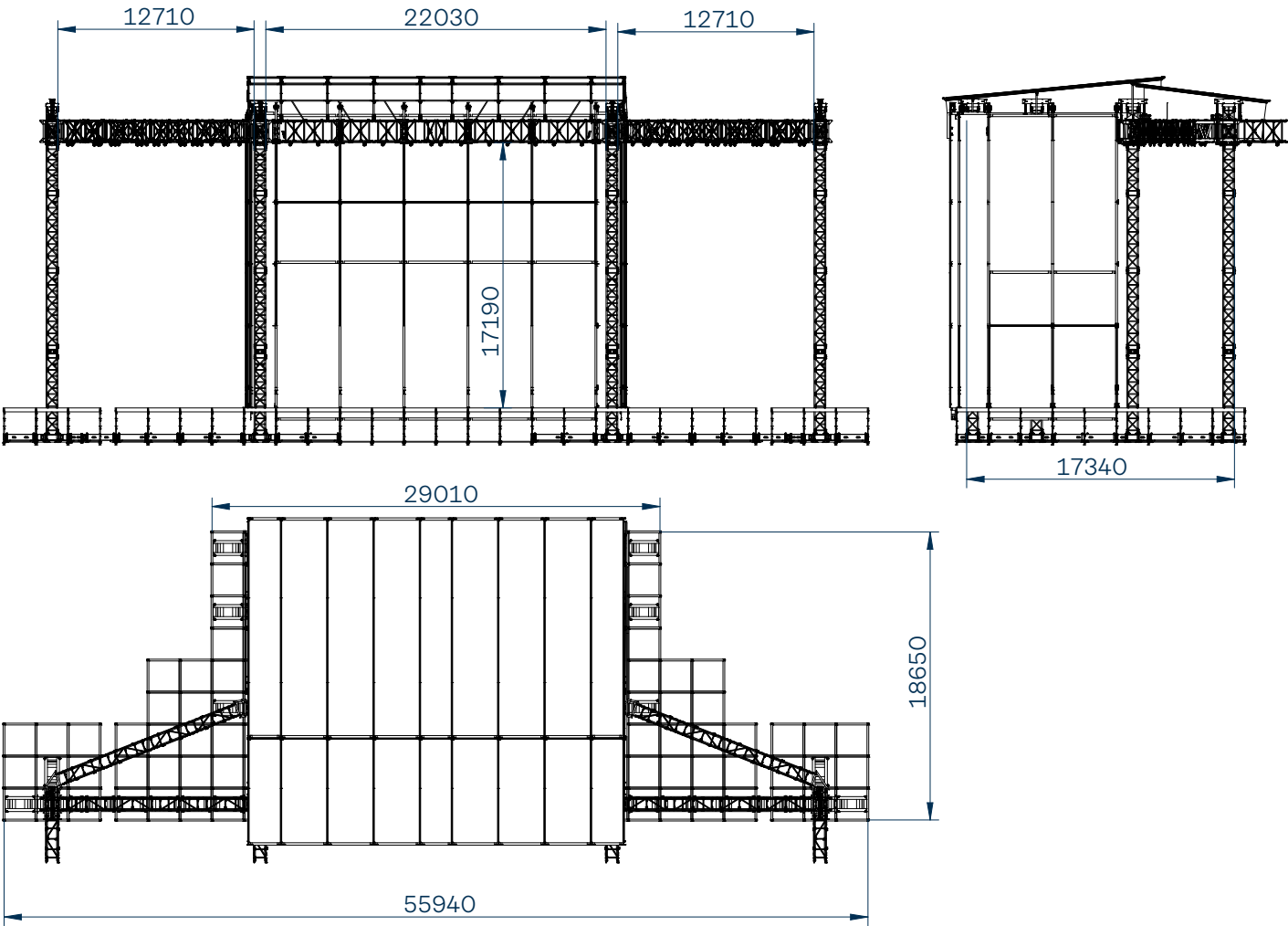
HiPe Steel Towers & Myt Folding Steroid Roof



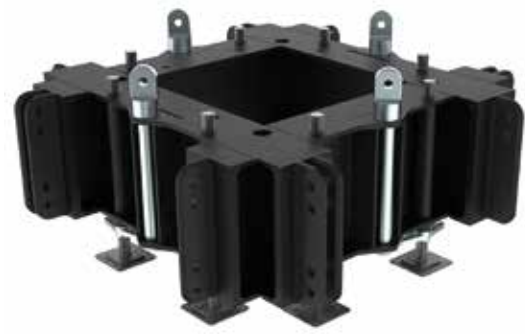
A span front of 22 meters with two side wings of 13 meters each, for a depth of 18 meters.
Loads and heights can vary depending on the configuration used. Please refer to our technical staff
to further explore the technical and safety aspects related to this type of structure.
Modularity can be metric or based on Layher standards.

HiPe Steel Towers & Myt Folding Steroid Roof

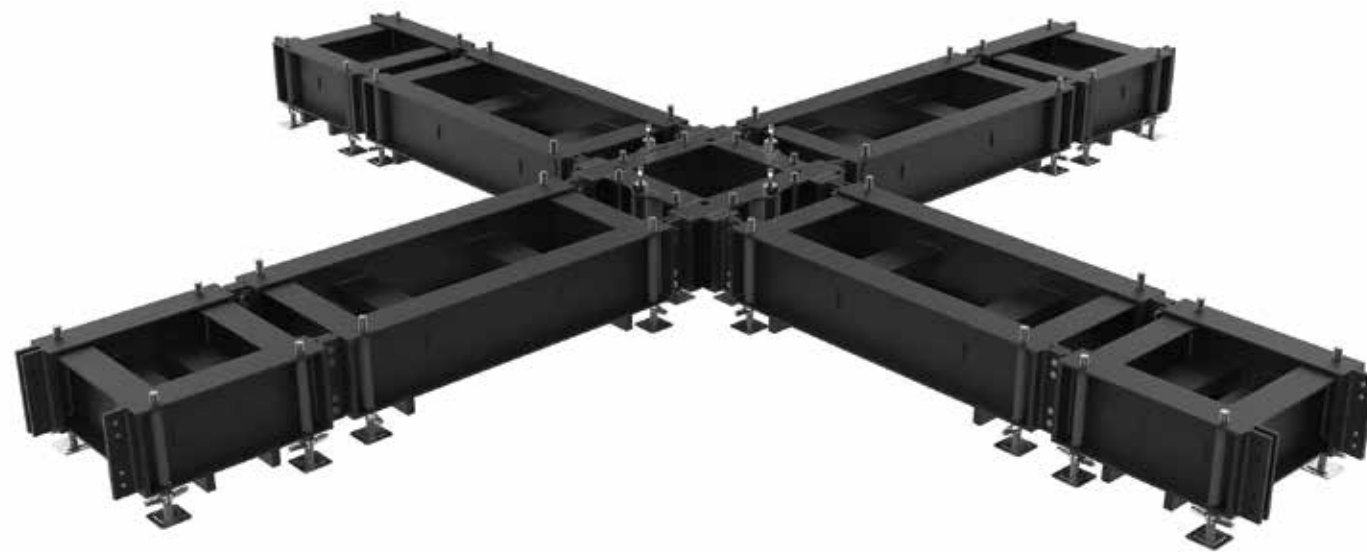
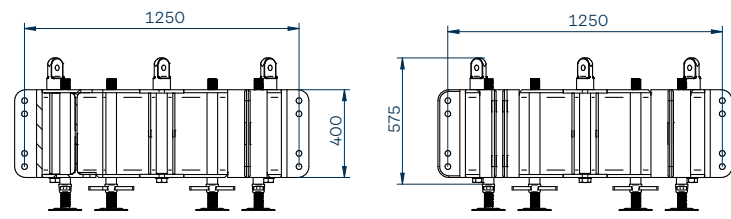
This is just one example of the possible configurations of our HiPe Towers and Myt Folding Steroid truss system. Further technical details are available by consulting the Litec Truss catalog and the LITEC Towers catalog.



The HiPe Steel Ground Basis



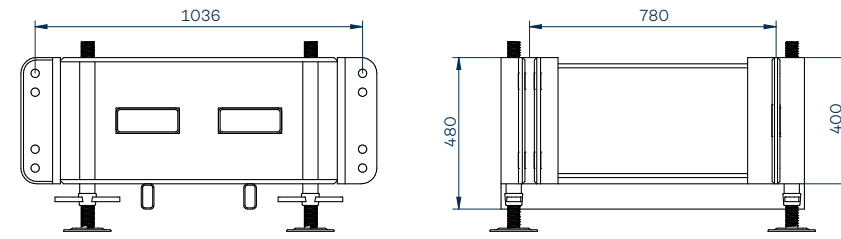
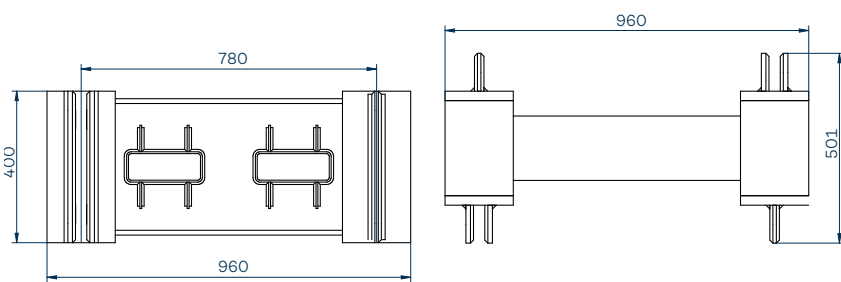
Steel Base L=1250mm LT CS-76B-1



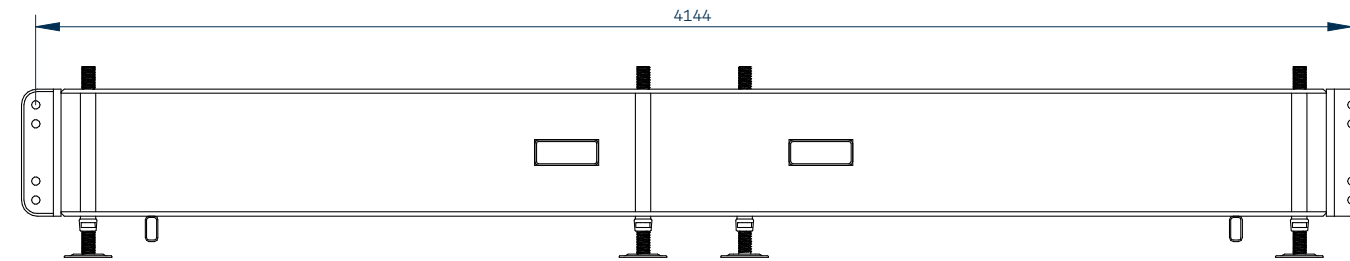
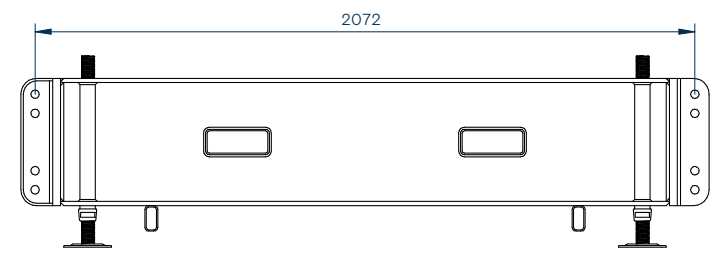
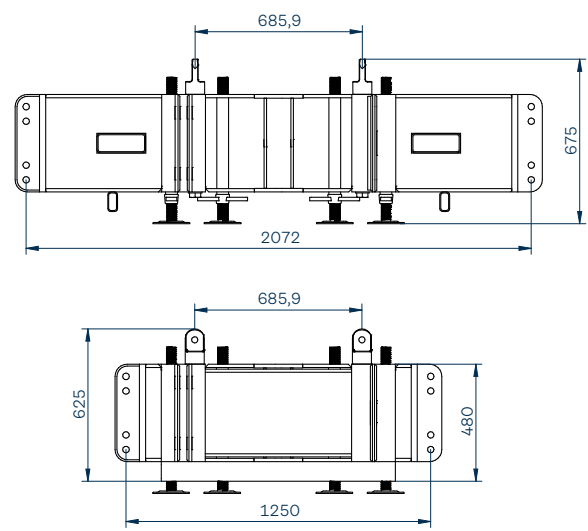
Modularity based on the metric sequence provides essential flexibility in the design and assembly of structures. Additionally, we offer a wide range of accessories and products specifically designed to adhere to the Layher scaffolding standard. Implementing ground base connections ensures the utmost precision and safety when constructing large ground supports.



Steel Adapter Base L=411mm LT CS-76AB411-1



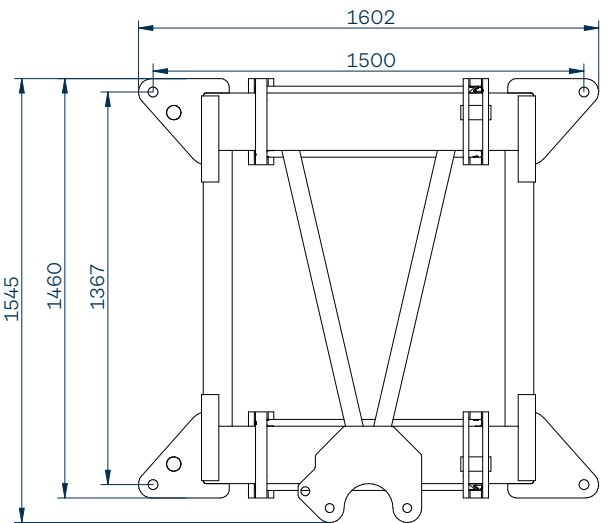
Steel Base L=2072mm LT CS-76B2072-1



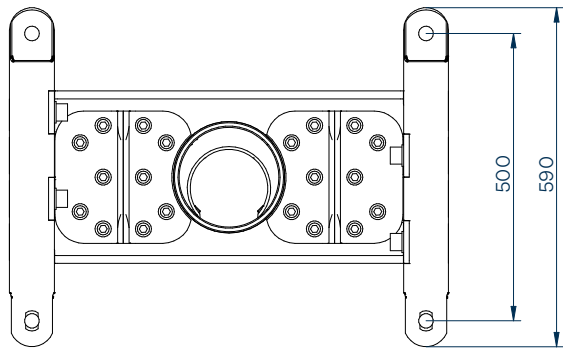
The HiPe Steel Sleeve & Safety block



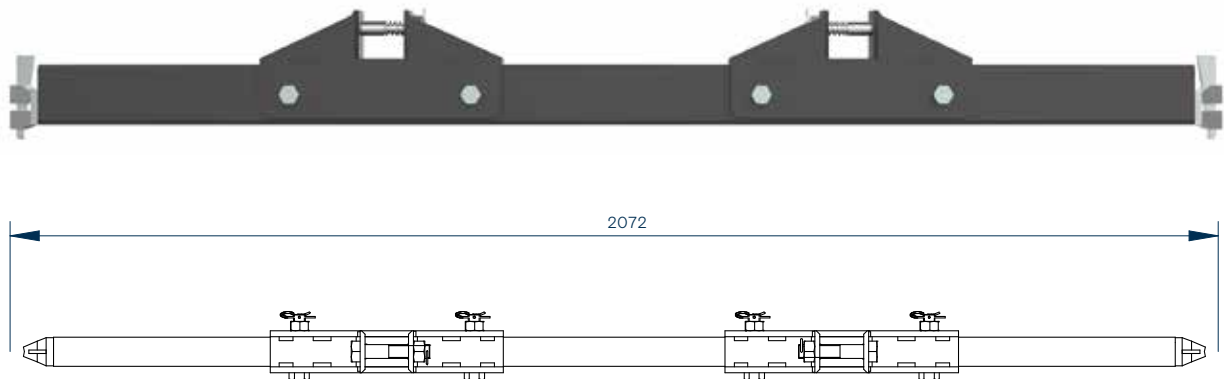
LT MTS76R150-01 MT76 Sleeve Block MyT



LT CS-76TSS Steel Safety Block



The HiPe Steel Stage Layher Spacer



LT CS-76LLB2072-1 Steel Layher Link Base

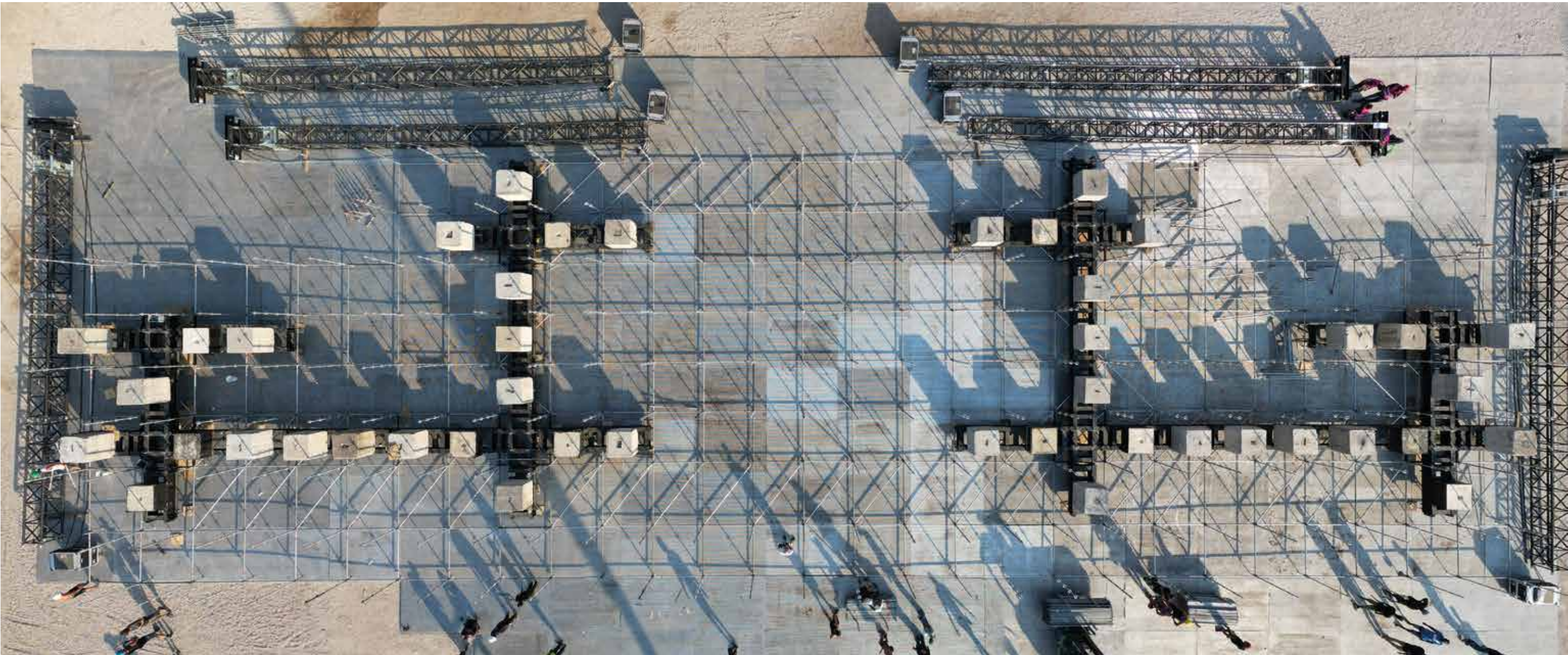


High Performance Roofing System

A perfect symbiosis between the new special steel trusses SQ76 and the extraordinary load-bearing performance of the MyT Folding Steroid model.

All modular systems, designed to create the safest and most reliable layout when high performance in height, span, and load are required.

The sequence can be varied with adapters or components based on dimensions fully compatible with the Layher scaffolding system world.





PINO È

AMOROS

AMOROS

AMOROS

AMOROS



Towers

Solidity

LITEC offers one the most complete lines of towers; from the most compact telescopic to the most complex lifters used for High Load structures. They are entirely pre-assembled modular ground supports, which combine structural soundness with a simple elegant design. Many tested and certified products are available to meet every need.

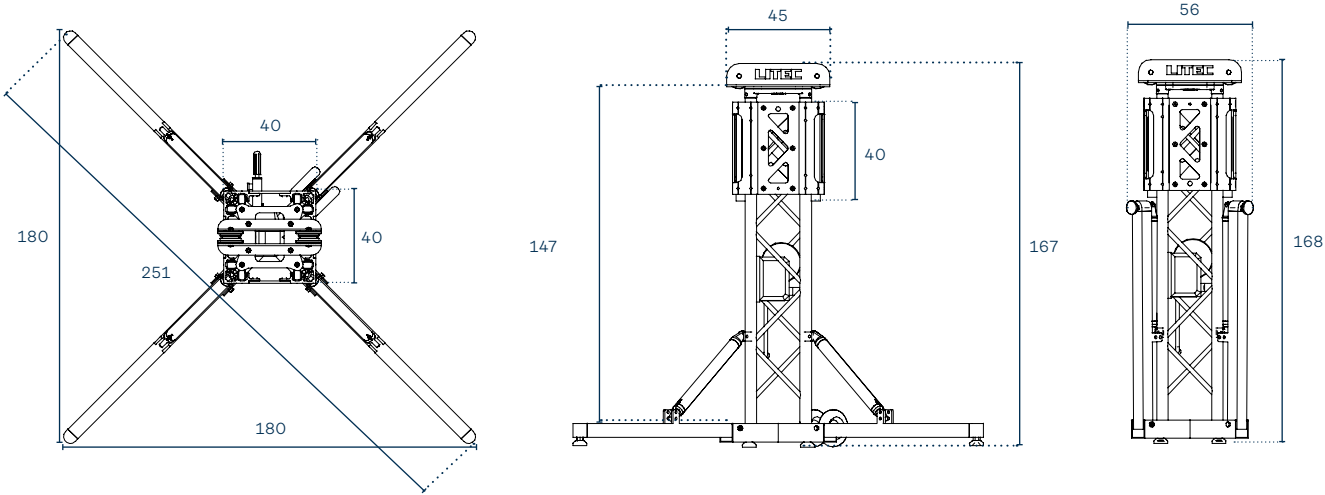
Towerlift 3	2
Unitower	4
Varitower 3	6
Maxitower MT40	8
Maxitower MT52	10
Maxitower MT52HD	12
Maxitower MT63	14
Maxitower MT76	16
Maxitower MT85	18

Towerlift 3



The Towerlift 3 hoist system occurs by manual winch with steel cables. The sleeve block functions as default component also for the Unitower and Varitower models. Each side can accommodate either square truss of 29 cm or 40 cm sides, or triangular truss of 29 cm sides. A triangular truss of 40 cm may also be connected by substituting the appropriate central support plate.

Maximum tower height	→ 6.5 m
Lifting system	→ steel cable manual winch
Base module weight (included legs, top and sleeve block)	→ 75 kg
Vertical main truss	→ QX30SA
Compatible trusses	→ QX30SA / QH30SA / QX40SA / QH40SA / TX30SA
Base module height (excluding top)	→ 154 cm
Base module dimensions (folded versions)	→ 60 x 60 cm
Base module dimensions (operating version)	→ 180 x 180 cm
Volume	→ 0.6 m³
Adjustable legs	→ 4
Maximum lifting load capacity	→ 500 kg



Towerlift 3 is supplied as standard with a steel cable manual winch. By using two accessories – the motor support and the extended top section – the tower can be used with a chain hoist lifter. Thus configured, the tower’s load capacity is 1000 kg.



Towerlift 3

The top and leg adjustment mechanisms have been modified to give superb results. Each foot may be adjusted independently and extensively for easy positioning even on sloping and irregular surfaces. The 900 kg lifting power-clutch winch is protected inside the structure. During assembly, the wheels are never less than 100 cm from the ground.

The central structure is formed by the QX30SA truss. The sleeve block will accommodate connection to truss in series QX30SA, QX40SA, QH30SA, QH40SA, TX30SA. To connect with truss TX40SA the central support plate must be substituted on the corresponding side/s.

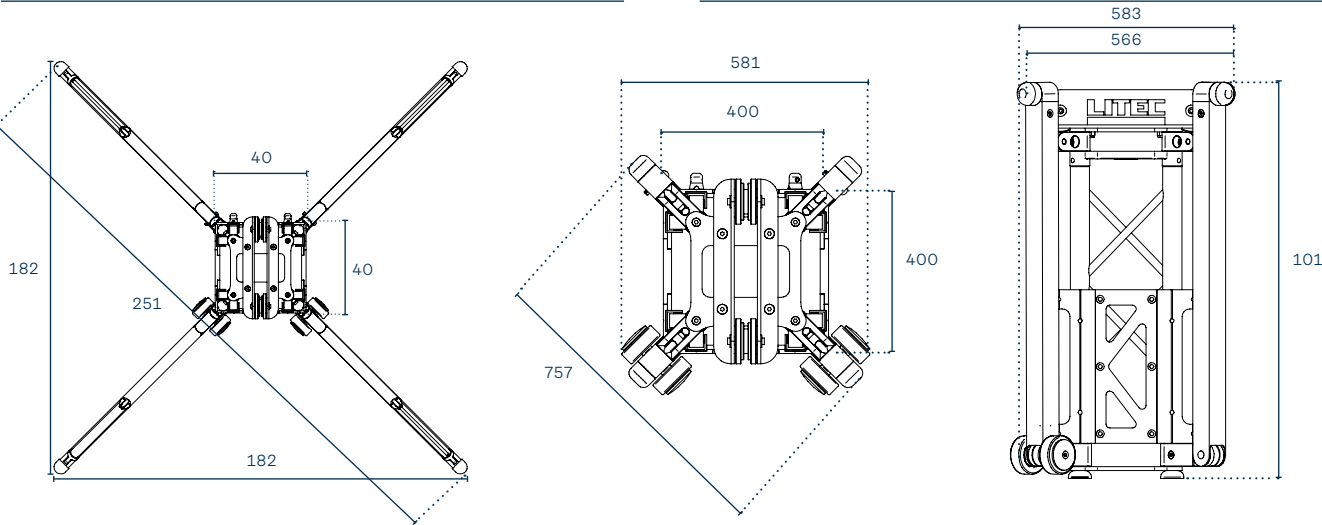


Unitower



Base module for towers with frame of 29 cm sided square truss. The system comes furnished with detachable foldaway stabilizers. The multistandard sleeve block has 16 gliding wheels of high density rubber. Each foot moves both in pan and tilt so adapting to all terrain. The entire system, excluding the central truss, is formed of assembled parts, without any weldings.

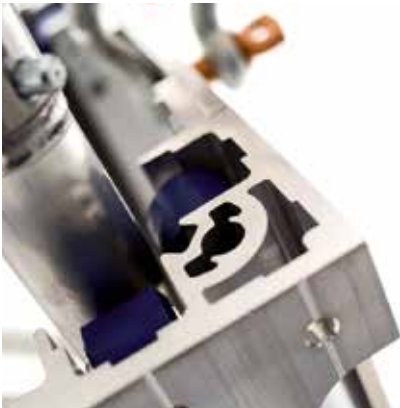
Maximum tower height	→ 7 m
Lifting system	→ chain hoist
Base module weight (included legs, top and sleeve block)	→ 75 kg
Vertical main truss	→ QX30SA
Compatible trusses	→ QX30SA / QH30SA / QX40SA / QH40SA / TX30SA
Base module height (excluding top)	→ 90 cm
Base module dimensions (folded versions)	→ 60 x 60 cm
Base module dimensions (operating version)	→ 182 x 182 cm
Legs maximum extension	→ 97 cm
Maximum lifting load capacity	→ 1000 kg



Unitower

The sleeve block allows for the securing either of manual or electric motor hoists. Unitower is the only tower where the legs can be completely detached, leaving the vertical truss free without any jutting parts. The tower is designed to be composed of square truss QX30SA or QH30SA.

The sleeve block however will take square truss of 29 or 40cm sides, or triangular truss of 29cm sides. In order to connect a triangular 40cm sided truss a substitute central support plate is needed. Every face is furnished with a series of holes for attachment of special steel spigots which allow a variety of diverse truss to be incorporated.



Varitower 3

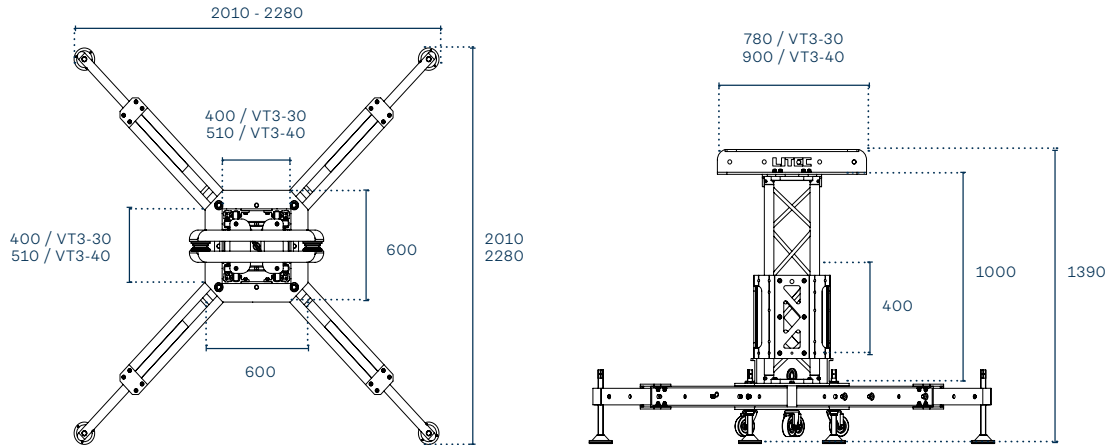


It substitutes the previous model Varitower 2. It can take a 29 or 40 m vertical truss, with the best performance seen from the QH40SA twist-resistant truss. The sleeve block is of the original design developed and tested for Unitower, with the same extruded profiles and the same applications.

Base module for towers, with frame in square truss of 29 or 40 cm sides.

The system is furnished with telescopic stabilizers, multistandard sleeve block with 16 gliding wheels in high density rubber, and top designed for chain feed.

	VT3-30	VT3-40
Maximum tower height	→ 8 m	→ 9 m
Lifting system	→ chain hoist	→ chain hoist
Base module weight (included legs, top and sleeve block)	→ 140 kg	→ 145 kg
Vertical main truss	→ QH30SA	→ QH40SA
Compatible trusses	→ QX30SA / QH30SA / QX40SA / QH40SA / TX30SA (TC40SA only for VT3-40)	
Base module dimensions (folded versions)	→ 130 cm	→ 130 cm
Base module dimensions (operating versions)	→ 240 x 240 cm	→ 240 x 240 cm
Leg maximum extension	→ 97 cm	→ 97 cm
Maximum lifting load capacity	→ 1800 kg	→ 2000 kg



Varitower 3

The complete system, except the central truss, is composed of assembled parts, without any weldings.

Varitower 3 can use only chain hoist systems, be they manual or electric. For either system the corresponding support is available. The base is made entirely of aluminium, and has telescopic legs with new adjustable feet.

Each leg can be moved horizontally in two directions for precise positioning.

Once assembly is completed the legs may be removed entirely from the base.

Vari-Winch

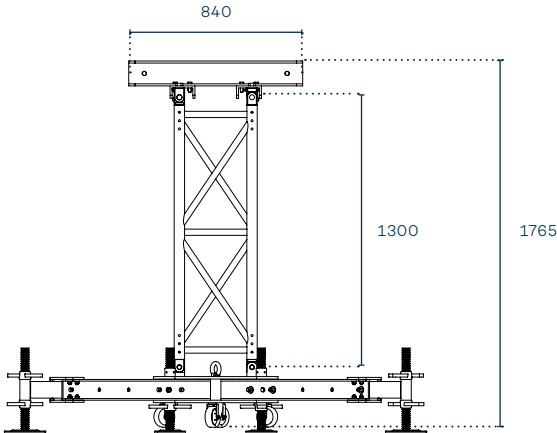
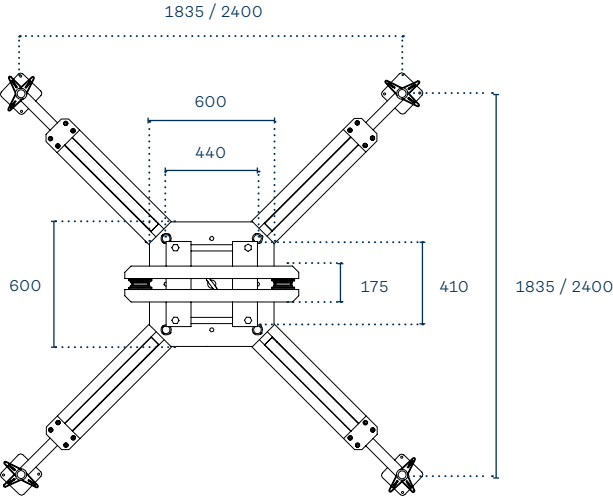


Maxitower MT40



Lifter able to carry loads up to 2,000 kg.
If configured appropriately, the Maxitower 40 system interfaces with all types of LITEC truss sized from 29 to 76 cm.

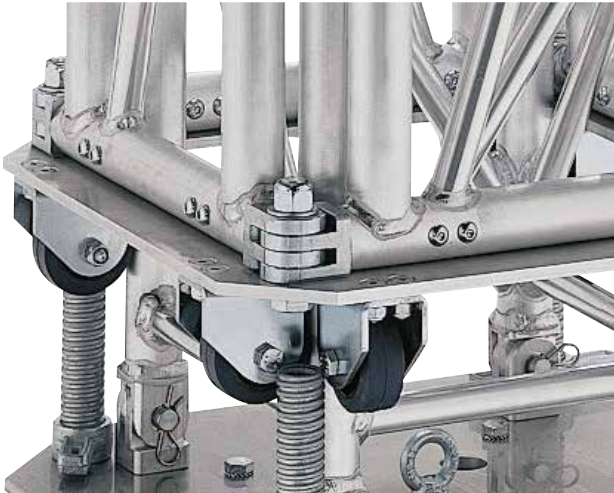
	MT40	MT40E
Maximum tower height	→ 12 m	→ 9 m
Lifting system	→ chain hoist	→ chain hoist
Base module weight with top (excluding sleeve block and legs)	→ 86 kg	→ 56 kg
Vertical main truss	→ QL40A / QH40SA	→ QL40A
Compatible trusses (with suitable sleeve block)	→ FL52/FL76/QL40A/QL52A/RL76A	
Base dimensions	→ 60 x 60 cm	→ 40 x 40 cm
Volume	→ 0.58 m³	→ 0.24 m³
Maximum lifting load capacity	→ max 2000 kg	→ max 2000 kg



Maxitower MT40

Stabilizers, motor supports and other special accessories complete the range.
The MT40 lifter can take all the trusses in the QL40A and QH40SA lines.
Also available in the compact-base MT40E version, particularly useful for putting together fair stands and indoor use.

The MT40 tower is composed of a base, extending stabilizers (that cover a maximum floor area of 2.4 m x 2.4 m), a main tower body that reached up to 12m in height, a top section with pulleys for electric chain hoists, and a modular sleeve block that can be assembled in different ways depending on application.

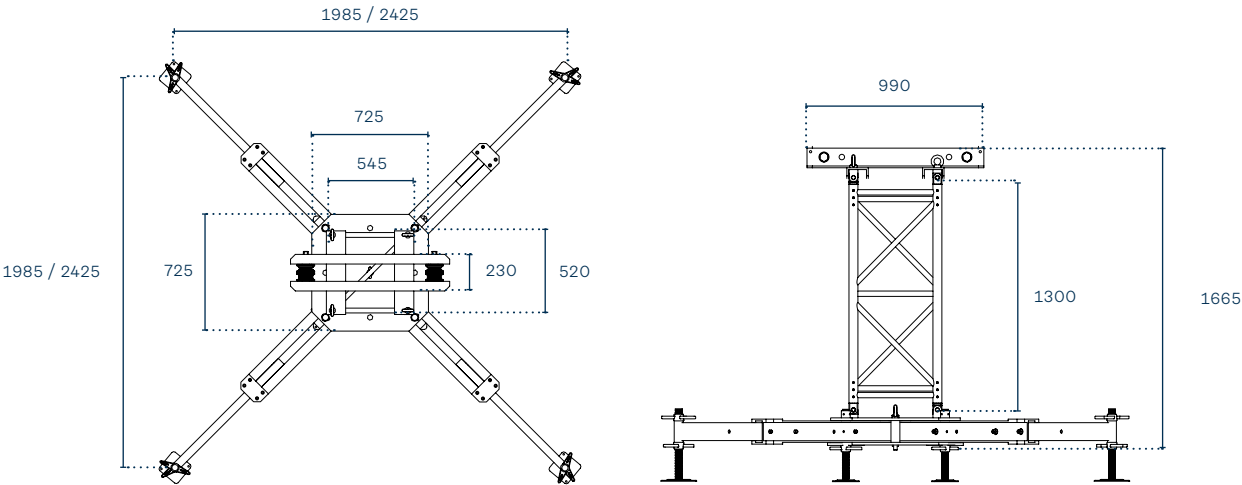


Maxitower MT52



For lifting where high performance is needed. This model also comes in a compact-base Maxitower 52E version suitable for indoor use.
The base can take QL40A and QL52A series trusses. The four foot bars are telescopic, positionable, individually adjustable and extractable.

	MT52	MT52E
Maximum tower height	→ 15 m	→ 12 m
Lifting system	→ chain hoist	→ chain hoist
Base module weight with top (excluding sleeve block and legs)	→ 110 kg	→ 52 kg
Vertical main truss	→ QL52A	→ QL52A
Compatible trusses (with suitable sleeve block)	→ FL52 / FL76 / QL40A / QL52A / RL76A	
Base dimensions	→ 73 x 73 cm	→ 52 x 52 cm
Volume	→ 0.84 m³	→ 0.29 m³
Maximum lifting load capacity	→ max 3000 kg	→ max 3000 kg



Maxitower MT52

The system uses twist-resistant vertical 40 or 52 components, and comes complete with stabilization, motor coupling, hanging and safety accessories.
The MT52 tower is composed of a base, extending stabilizers (that cover a maximum floor

area of 2.4 m x 2.4 m), a main tower body that reaches up to 15m in height, a top section with pulleys for electric chain hoists, and a modular sleeve block that can be assembled in different ways depending on application.

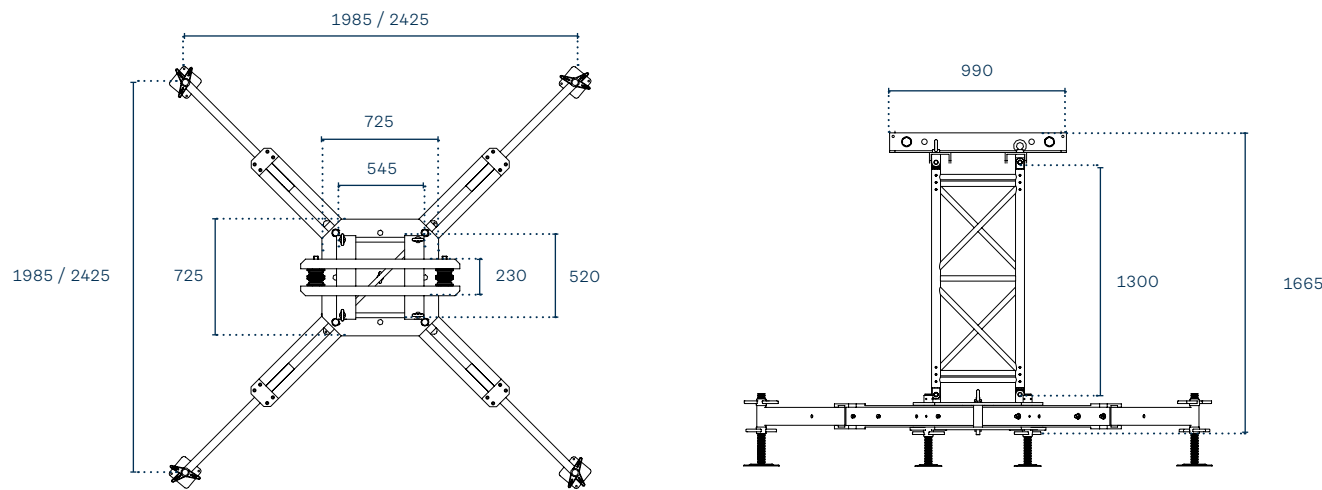


Maxitower MT52HD



The Maxitower 52HD is a high performance, high capacity tower for your large and demanding projects. Made from EN AW 6082 T6 aluminium, it has the same dimensions as the Maxitower 52 but features Ø 60 x 5 mm main chords for achieving higher load capacities. Thanks to these unchanged dimensions, it's compatible with the standard Maxitower 52 sleeve block.

Lifting system	→ chain hoist
Base module weight with top (excluding sleeve block and legs)	→ 192.5 kg
Vertical main truss	→ QL52D
Compatible trusses (with suitable sleeve block)	→ QL52A - RL76A - RL105A
Base dimensions	→ 73 x 73 cm
Volume	→ 0.84 m³



Axial load table

SPAN		
	F _{am.}	F _{am.}
m	kg	kg
1	9572	9291
2	9542	8984
3	9514	8673
4	9477	8358
5	9435	8038
6	9387	7715
7	9334	7388
8	9275	6695
9	9211	5221
10	9141	4010
11	9067	
12	8986	
13	8900	
14	8809	
15	8712	
16	8186	
17	7315	
18	6514	
19	5776	
20	5094	

Maxitower MT52HD

- Use of beefier Ø 60 x 5 mm main chords for increased load bearing
- New, super heavy-duty mechanical safety block
- Same overall dimensions as Maxitower 52
- Compatible with Maxitower 52 standard sleeve block
- Constructed from EN AW 6082 T6 aluminium

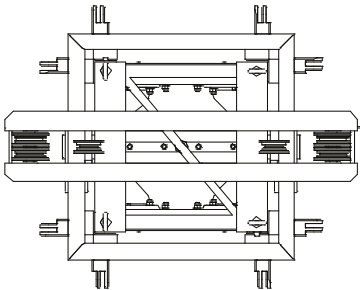
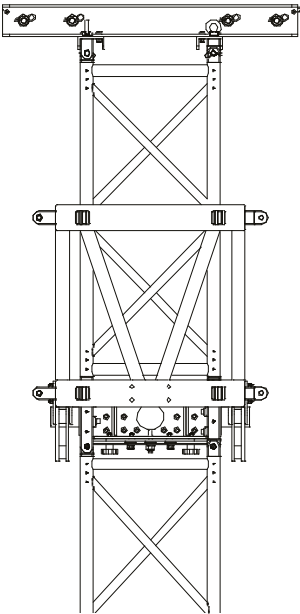
Maxitower MT63



The Maxitower MT63 is the new tower for the MyT Virtue truss system. Featuring LITEC’s innovative safety block with telescopic tube, it provides unrivaled levels of convenience and safety. With a maximum height of 25 metres and load capacity of 11.5 tons at 15 metres, the MT63 is the right choice for your very large and demanding projects.

Maximum tower height
Lifting system
Vertical main truss
Compatible trusses (with suitable sleeve block)
Maximum lifting load capacity

→	25 m
→	chain hoist
→	QL63A
→	MyT Virtue
→	11.5 tons @ 15 m



Maxitower MT63

- Ø 60 x 5 mm main chords for increased load bearing
- New mechanical safety block with telescopic tube
- Constructed from EN AW 6082 T6 aluminium

Axial load table

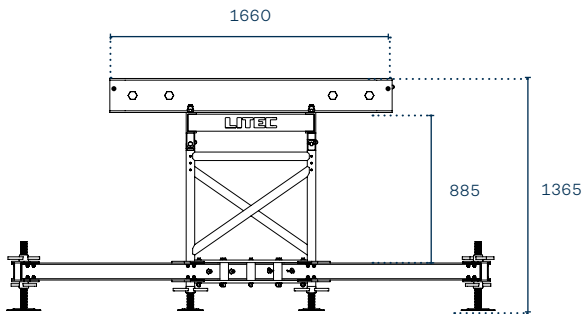
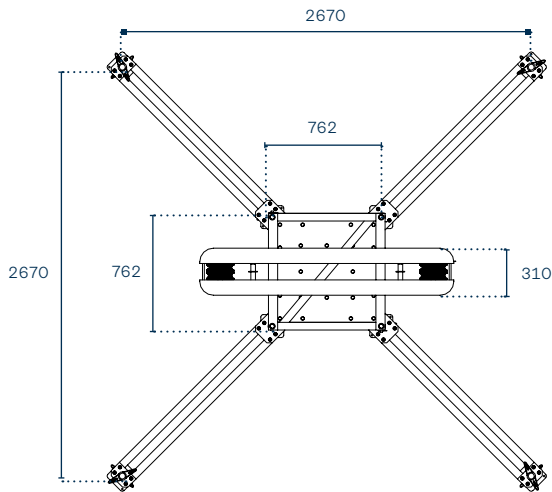
SPAN		
	F _{am.}	F _{am.}
m	kg	kg
1	12386	12093
2	12355	11768
3	12319	11436
4	12278	11099
5	12232	10757
6	12180	10409
7	12123	10056
8	12061	9200
9	11993	7512
10	11920	6053
11	11842	4796
12	11759	3711
13	11670	
14	11576	
15	11476	
16	10829	
17	9886	
18	8994	
19	8153	
20	7362	
21	6618	
22	5918	
23	5258	
24	4636	
25	4046	

Maxitower MT76



The lifter uses QL76A trusses. It was designed to withstand the stresses that large structures transfer to the ground in their heaviest duty use. It is intended for use together with the LIBERA FL105 system.

Maximum tower height	→ 20 m
Lifting system	→ chain hoist
Base module weight with top (excluding sleeve block and legs)	→ 165 kg
Vertical main truss	→ QL76A
Compatible trusses (with suitable sleeve block)	→ FL105
Base dimensions	→ 76 x 76 cm
Volume	→ 0.58 m3
Maximum lifting load capacity	→ max 4000 kg



Maxitower MT76

It is connected to LIBERA FL105 and RL105A through special trucks, which are available with or without motor supports. The MT76 tower is composed of a base, extending stabilizers (that cover a maximum floor area of 2.7 m x 2.7 m), a main tower body that reaches up to 20 m in height, a top section with pulleys for electric chain hoists, and a modular sleeve block that can be assembled in different ways depending on application.



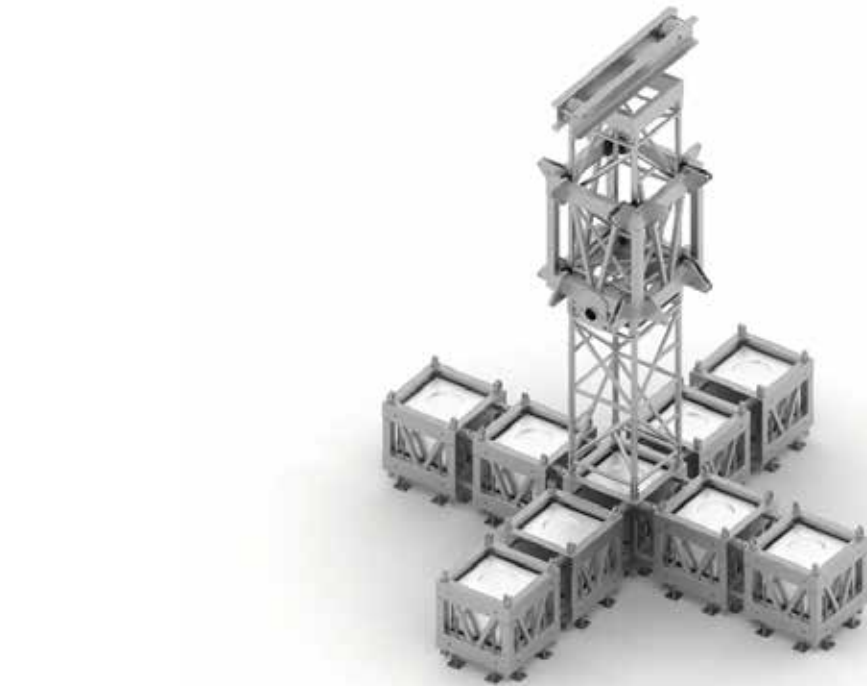
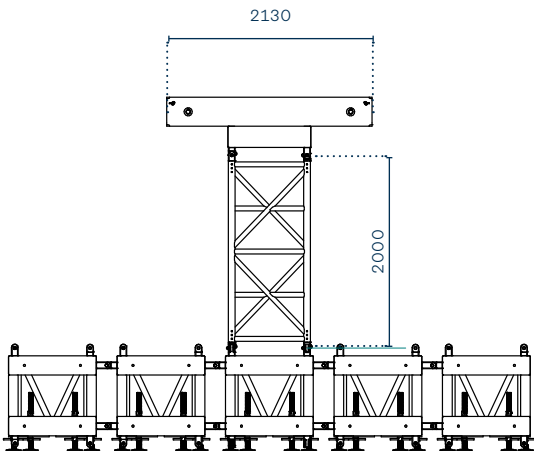
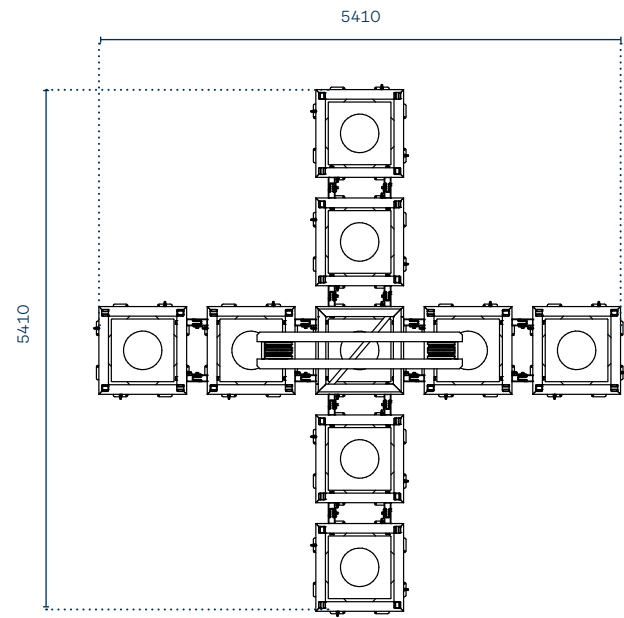
Maxitower MT85



The QL85 high performance tower system has been specifically developed for use with MyT truss.

QL85 encompasses many advanced features including the LITEC modular ballast base support system and the innovative mechanical safety lock - which offers a fast, safe and reliable method of securing the sleeve block at working height.

Maximum tower height	→ 25 m
Lifting system	→ chain hoist
Vertical main truss	→ QL85A
Compatible trusses (with suitable sleeve block)	→ MyT Folding Steroid
Base dimensions	→ 910 x 910 mm
Volume	→ 1 m³
Maximum lifting load capacity	→ max. 12000 kg



Maxitower MT85 Parts



Sleeve block
Multi-directional sleeve block with a mechanical safety lock system that secures the block from drop and lift when used in conjunction with our Safety Block.
Weight-965 kg



Safety block
Mechanical locking system for use with our SLEEVE BLOCK with telescopic tube and an easily accessible lever mechanism.
Weight-335 kg



Chain hoist support
Aluminum assembly for easy mounting of an electric chain hoist to the sleeve block..
Weight-102 kg



Tower top
Tower Top mounting assembly in steel with a double aluminum pulley system.
Load capacity-5000 kg



Ballast base
Modular steel ballast base support system*. Modular connections on all sides.
Weight-500 kg



Ballast base connection kit
Allows connection to all sides of the ballast base block, either directly to other ballast modules or for the connection of truss.
Weight
MBS-KF01 8 kg
MBS-KA01 23.5 kg
MBS-KA02 26.5 kg

* Concrete ballast block not included

Axial load table

SPAN		
	F _{am.}	F _{am.}
m	kg	kg
9	25209	14213
10	24548	12417
11	23823	10854
12	23038	9508
13	22201	8352
14	21323	7358
15	20415	
16	19490	
17	18560	
18	17636	
19	16727	
20	15842	
21	14987	
22	14165	
23	13379	
24	12631	
25	11921	

HiPe special Steel Towers

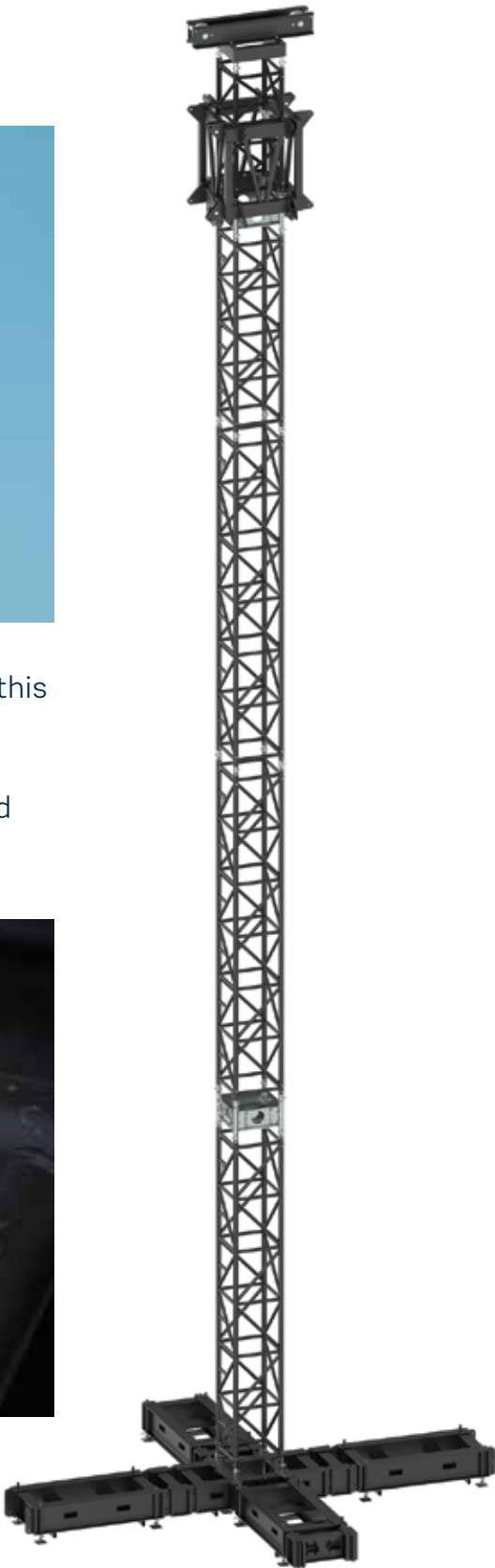
The new HiPe Special Steel Q76 Tower is the result of LITEC's research, combining the use of cutting-edge materials such as special S-700 steel with a high-strength steel connection system. The forks are attached to the truss chords with 6 bolts, without any welding. The optimized design for vertical use ensures stability and robustness that cannot be achieved by corresponding aluminium models. When high performance is required, LITEC has the appropriate solution.

HiPe Steel Towers

Q76



High performance and a quick fork connection system allow this tower to be used as a stand-alone solution (such as a light tower, delay tower, or follow spot tower). Alternatively, its ground base and link equipment can be used to create combinations for building large ground supports.

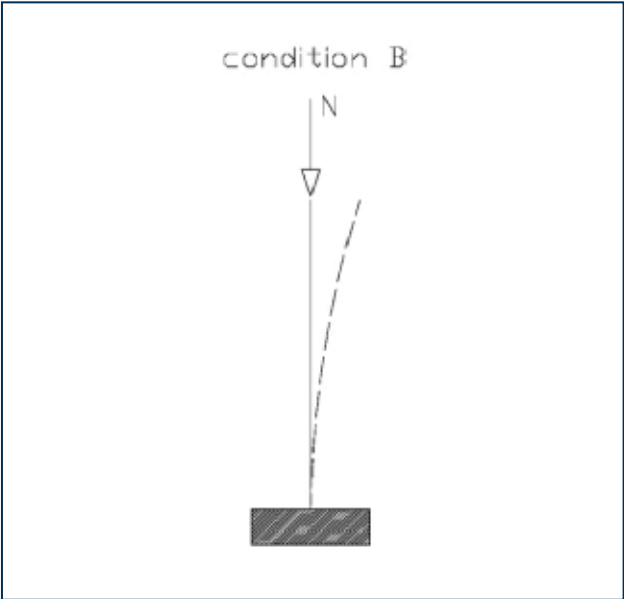
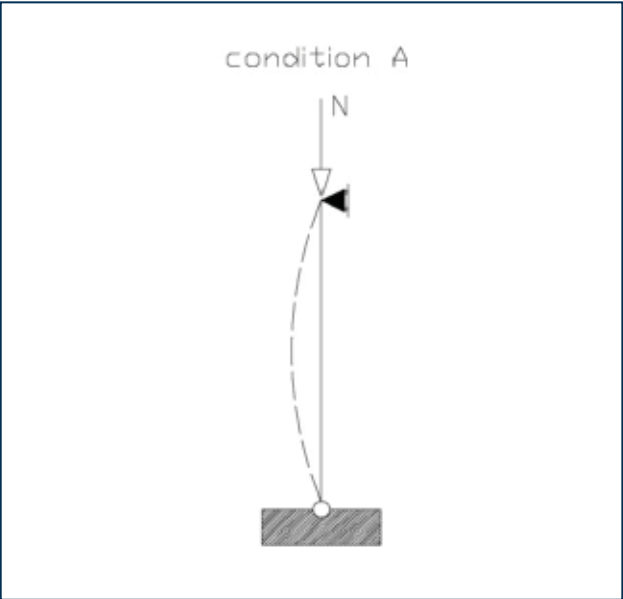


DESIGN SPECIFICATIONS					
Self Weight		70 kg/m	Allowable Normal Force	$N_{Rd,truss}$	1507,20 kN
Surface Area	A_{truss}	3624,1 mm ²	Allowable Bending Moments	$M_{yRd,truss}$	516,89 kNm
Moments of Inertia	$I_{y,truss}$	428614519 mm ⁴		$M_{zRd,truss}$	516,89 kNm
	$I_{z,truss}$	428614519 mm ⁴	Allowable Transversal Force	$V_{zRd,truss}$	137,85 kN
				$V_{yRd,truss}$	137,85 kN

For more information, please refer to the calculation reports available on request

PERMISSIBLE LOADS COLUMN Condition A	
[m]	[kN]
10	820
11	788,1
12	755,2
13	721,4
14	688,5
15	653,7
16	619,8
17	586
18	552,1
19	520,2
20	489,4
21	459,6
22	431,7
23	405,9
24	381,1
25	358,3

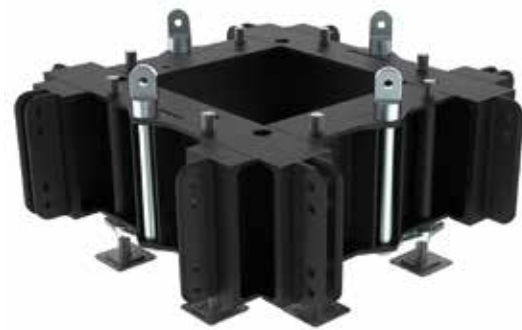
PERMISSIBLE LOADS COLUMN Condition B	
[m]	[kN]
5	744,1
6	660
7	575,9
8	497,8
9	427,8
10	368,8
11	317,9
12	276
13	241,1
14	211,3
15	185,4
16	164,6
17	145,9
18	130,1
19	116,3
20	103,6



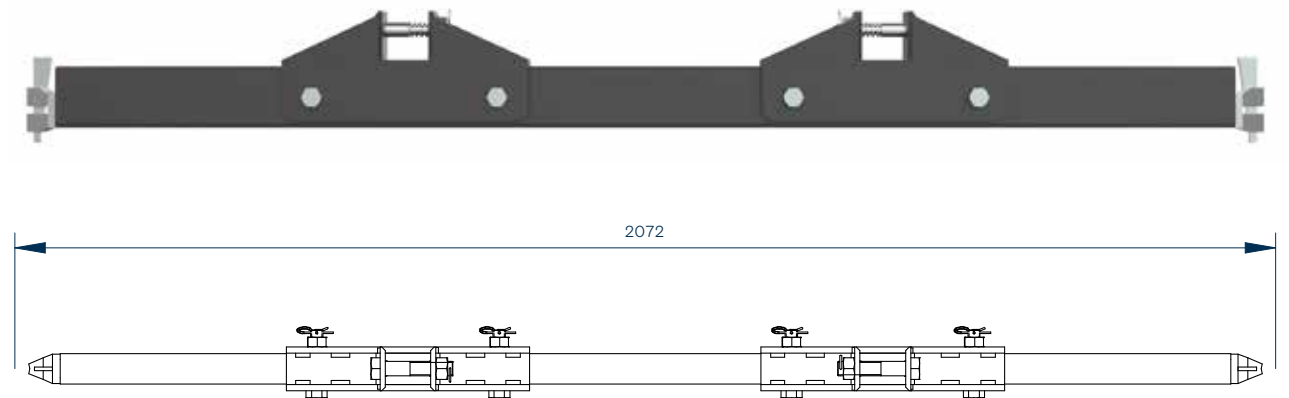
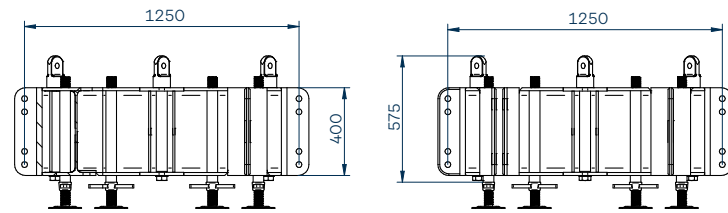
HiPe Steel Towers

Q76

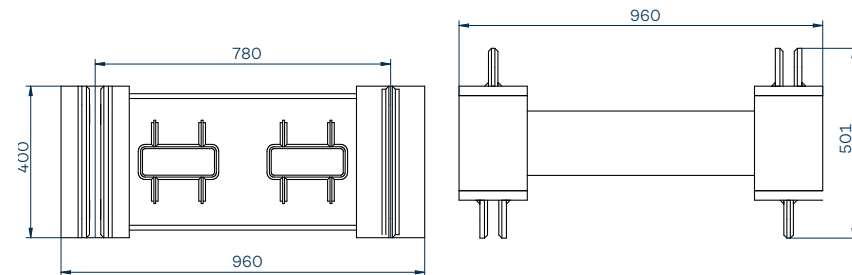
The HiPe Q76 is not just a tower, but a coordinated system of modules and accessories to stabilize it on the ground, with both metric modularity and full compatibility with the Layher scaffolding standard.



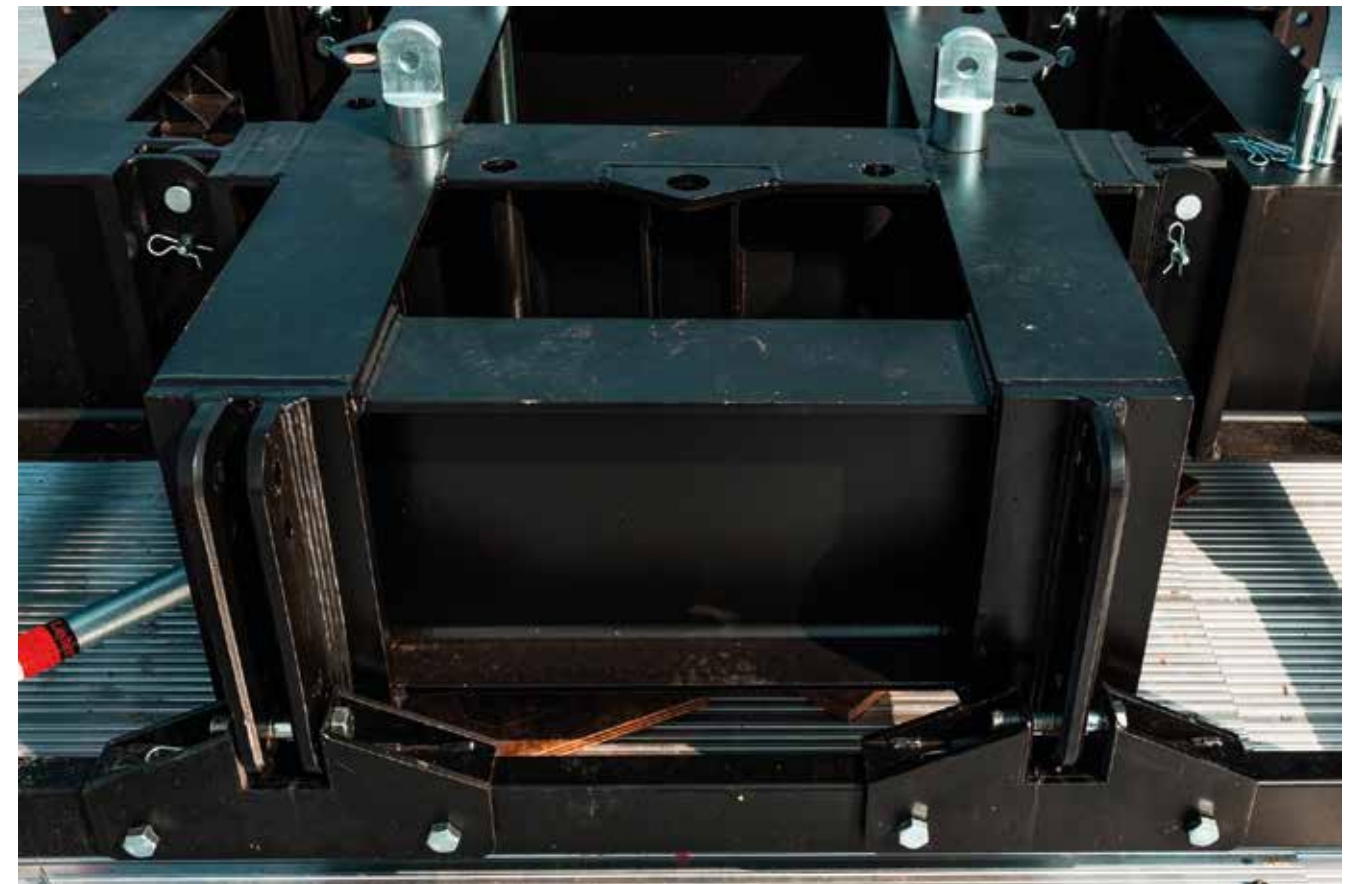
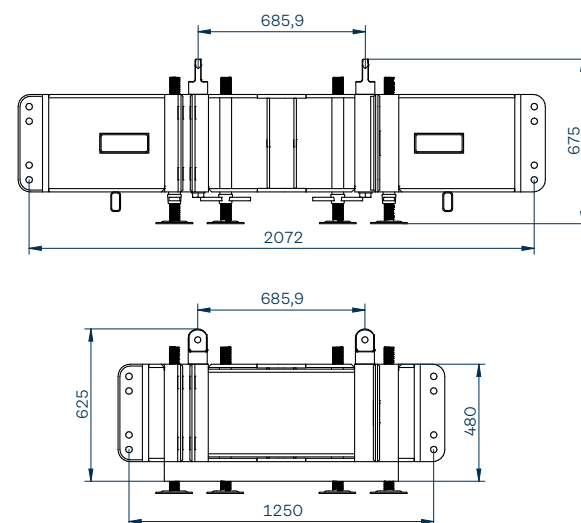
Steel Base L=1250mm LT CS-76B-1



Steel Adapter Base L=411mm LT CS-76AB411-1



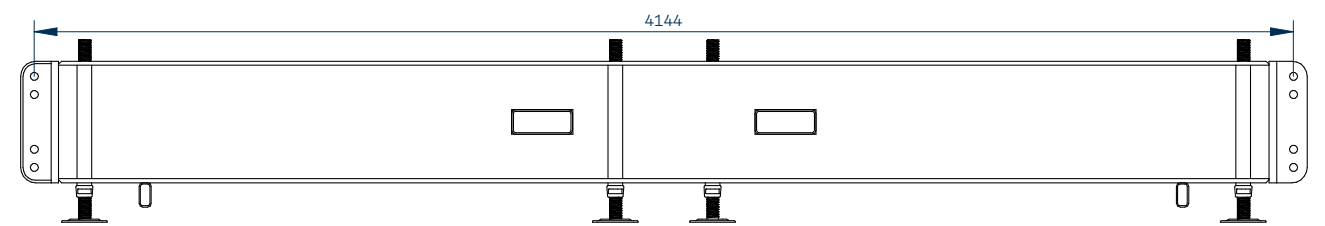
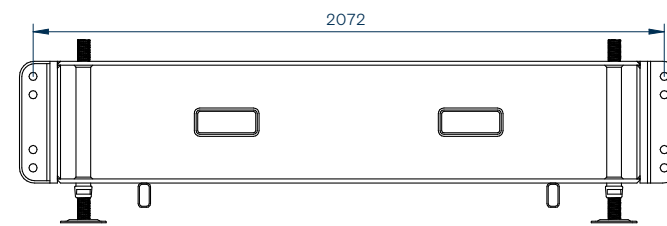
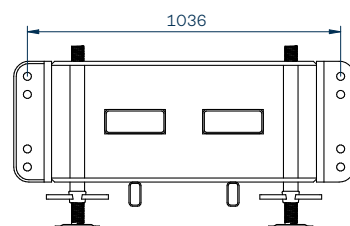
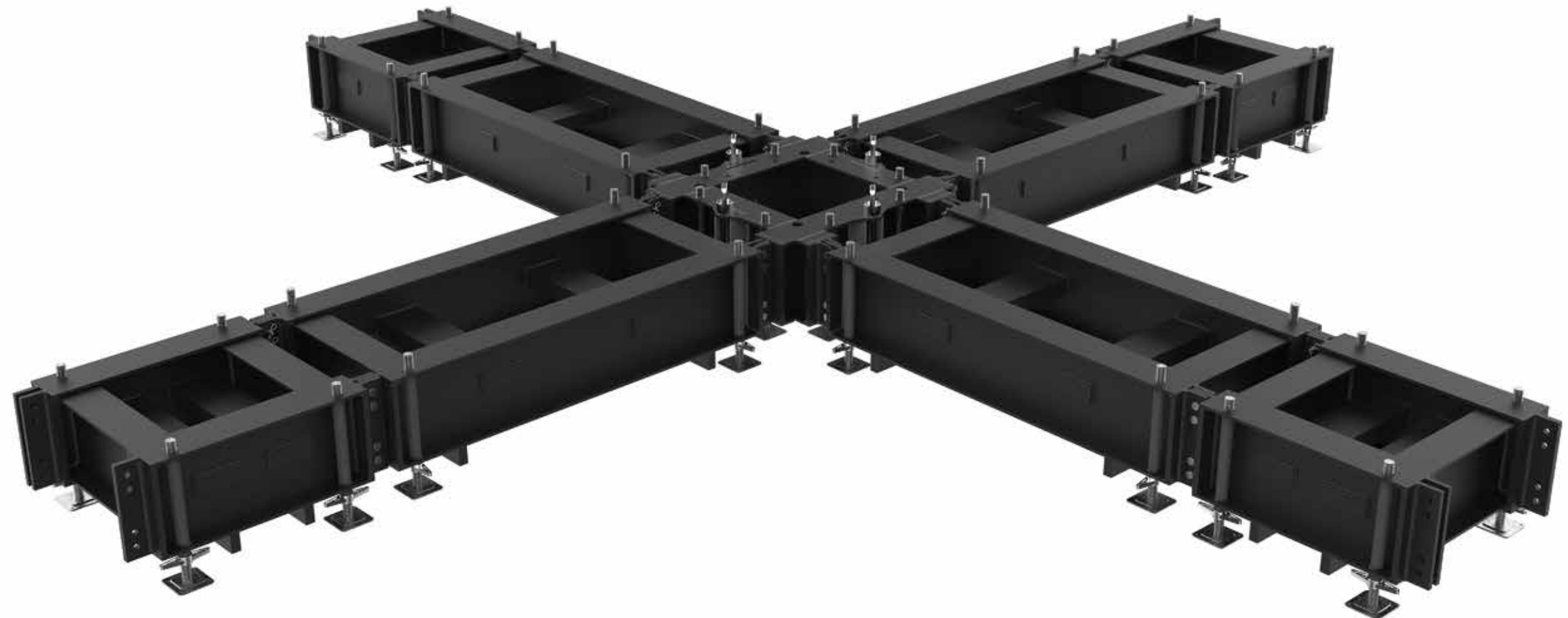
Steel Base L=2072mm LT CS-76B2072-1



HiPe Steel Towers

Q76

The ground base and the modular links towards the other bases are the core of the stability of each HiPe Tower Ground support.



HiPe Steel Towers

Q76



A dedicated EXE ACE 5 TON double barrel electric chain hoist has been developed for the LITEC HiPe Towers system to optimize the lifting capacity.

This means that each tower paired with a single chain hoist has a rated lifting capacity of 10 TONNES.

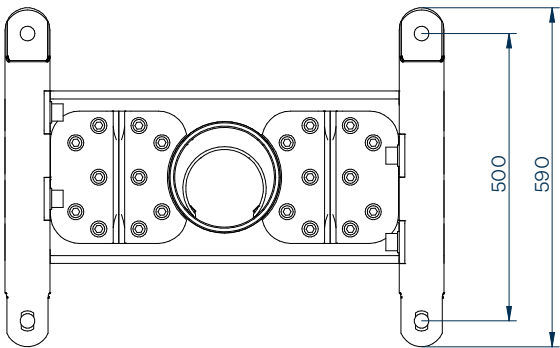
An integrated pulley system positioned next to the chain guide allows for smooth movement of the 11.3x31mm steel chain without interfering with any part of the electric chain hoist.



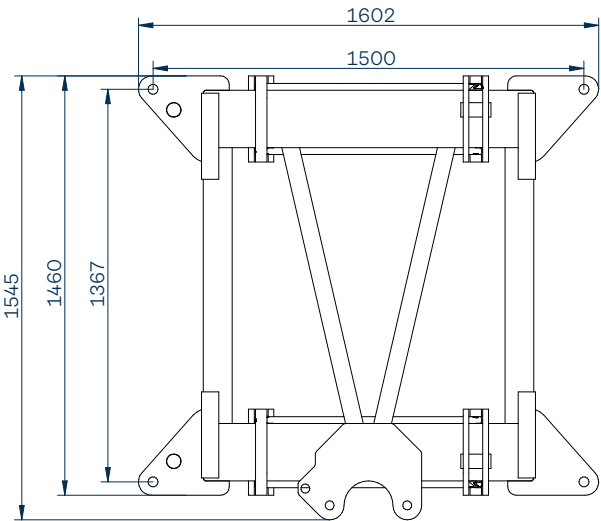
LT CS-76TTF-1 Steel Top



LT CS-76TSS Steel Safety Block



LT MTS76R150-01 MT76 Sleeve Block MyT





Ballast Systems

The integration solution

LITEC is pleased to present the brand new water ballast series. These solutions integrate ballast inside structures through suitable connection kits or interfaces. The 4 models available come in either aluminium or steel and consist of a metal cage and a tank that can be filled with water or any other material on site. The metal cage is provided with adjustable feet to be placed on the ground or forks to link or stack cages on top of one another. These new products include a complementing range of accessories.

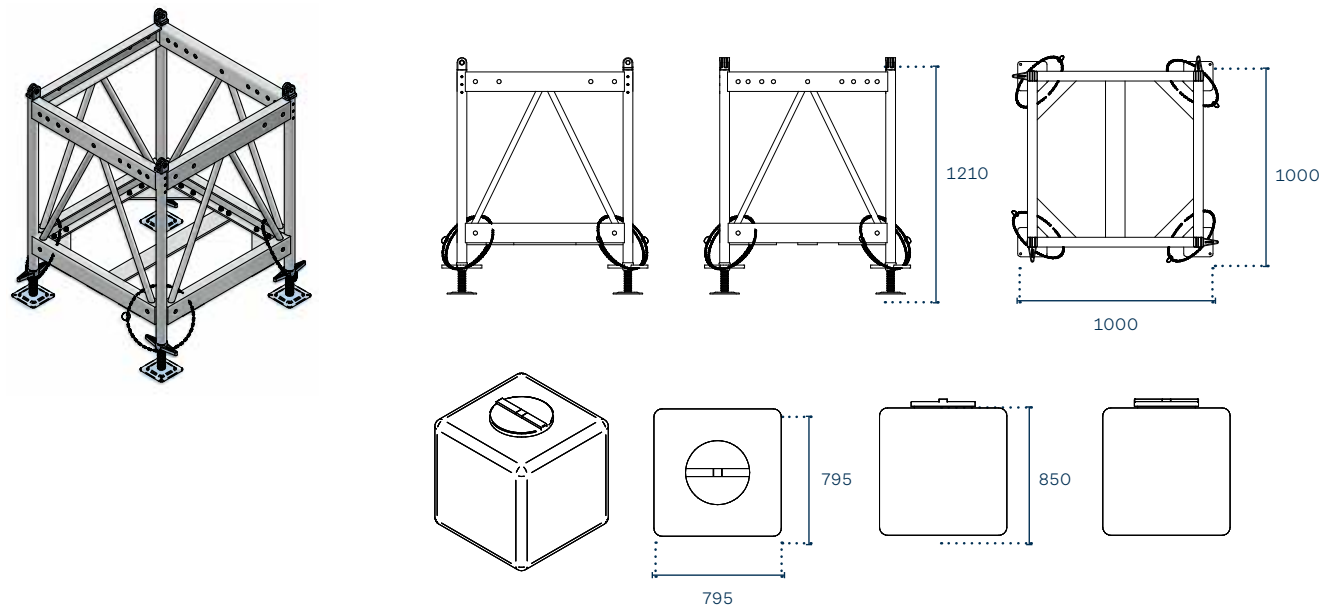
Aluminium Ballast Systems with adjustable feet	34
Aluminium Ballast Systems with forks	35
Steel Ballast Systems with adjustable feet	36
Steel Ballast Systems with forks	37

Aluminium Ballast Systems with adjustable feet



Structures are constructed out of aluminium, a light weight material which from a cost perspective remains very stable over time. The dimensions of this ballast system are 1 x 1 x 1.2 m. The tank, which can hold up to 500 litres of water, is filled at the top by hose and emptied through a bung in the bottom.

Dimensions



Accessories



Water tank

Connection kit

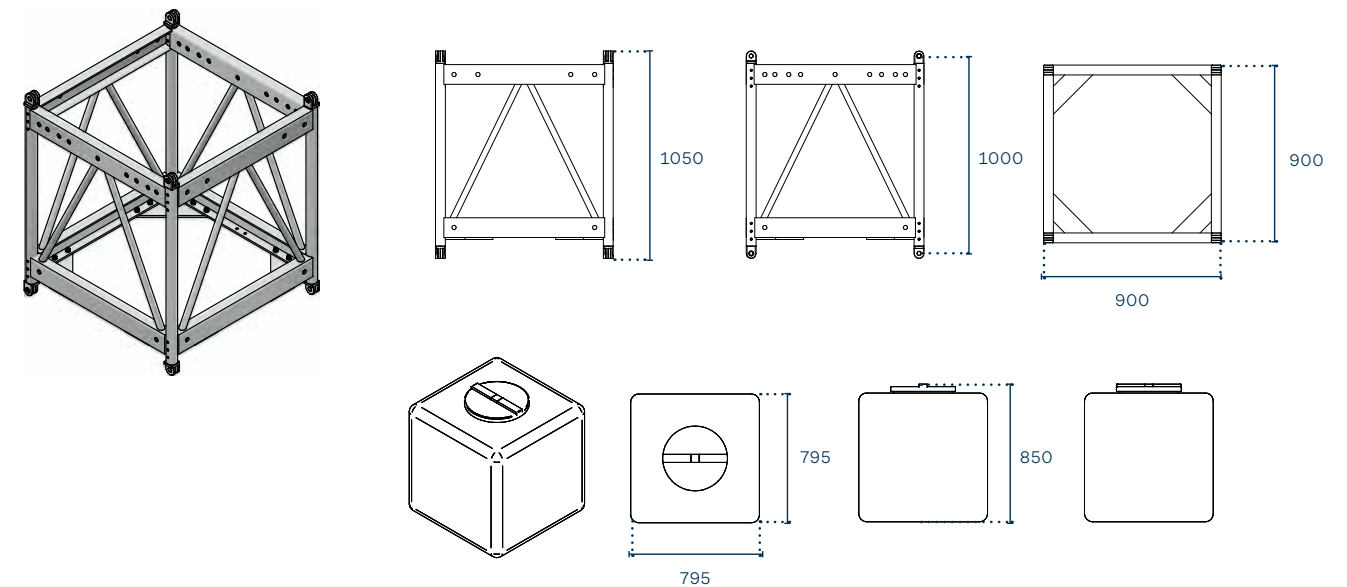
Tower connection for steel

Aluminium Ballast Systems with forks



Ballast is used to provide stability to a structure. It is possible to manage modular ballast systems according to various needs. You can combine them on a base-plate to create a single anchor point or linked together at tower bases on an outdoor roof structure. Tower frames are thought to interface with QL40A, QL52A and QL76 trusses and LIBERA Alusfera through suitable connection kits. These ballasts are totally integrated in the Flyintower 15-2,000 concept.

Dimensions



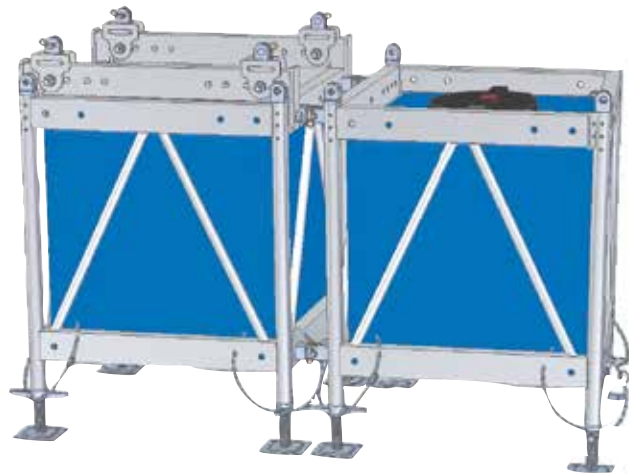
Accessories



Water tank

Connection kit

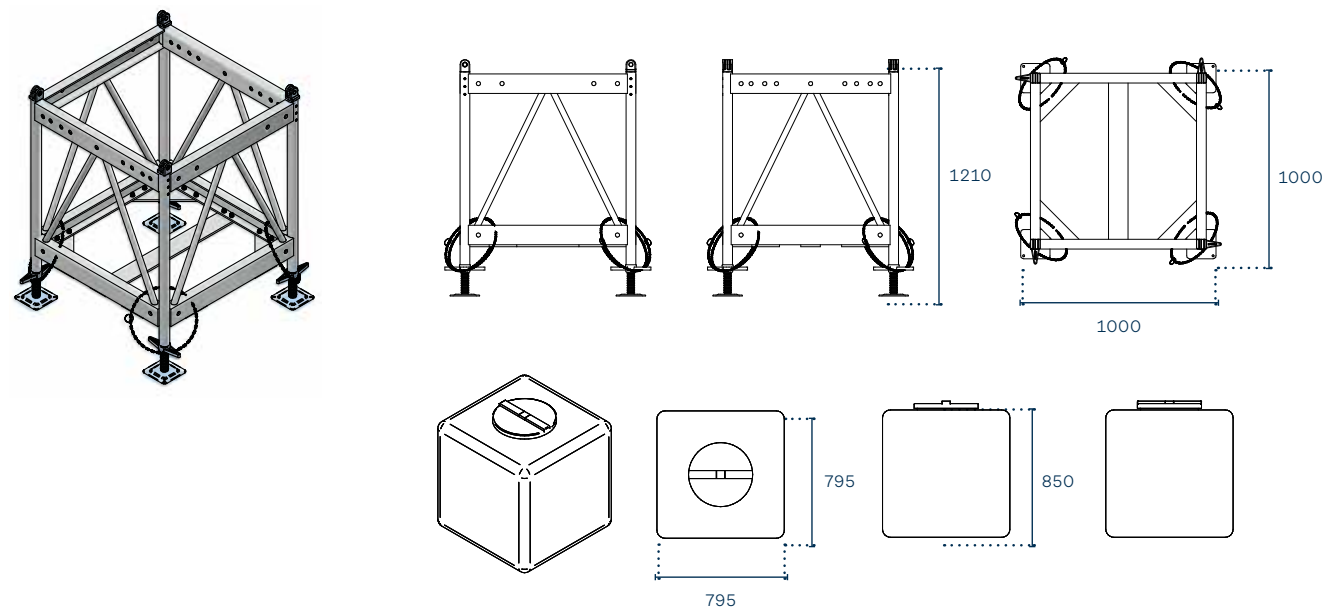
Tower connection for steel



Steel Ballast Systems with adjustable feet

They are solidly built, and easy to assemble and dismantle. Staging often requires static weight to counteract forces and these systems are a very good answer. While the standard ballast for large events is water in tanks, for a small rig tanks can be filled with sand or other materials.

Dimensions



Accessories



Water tank

Connection kit

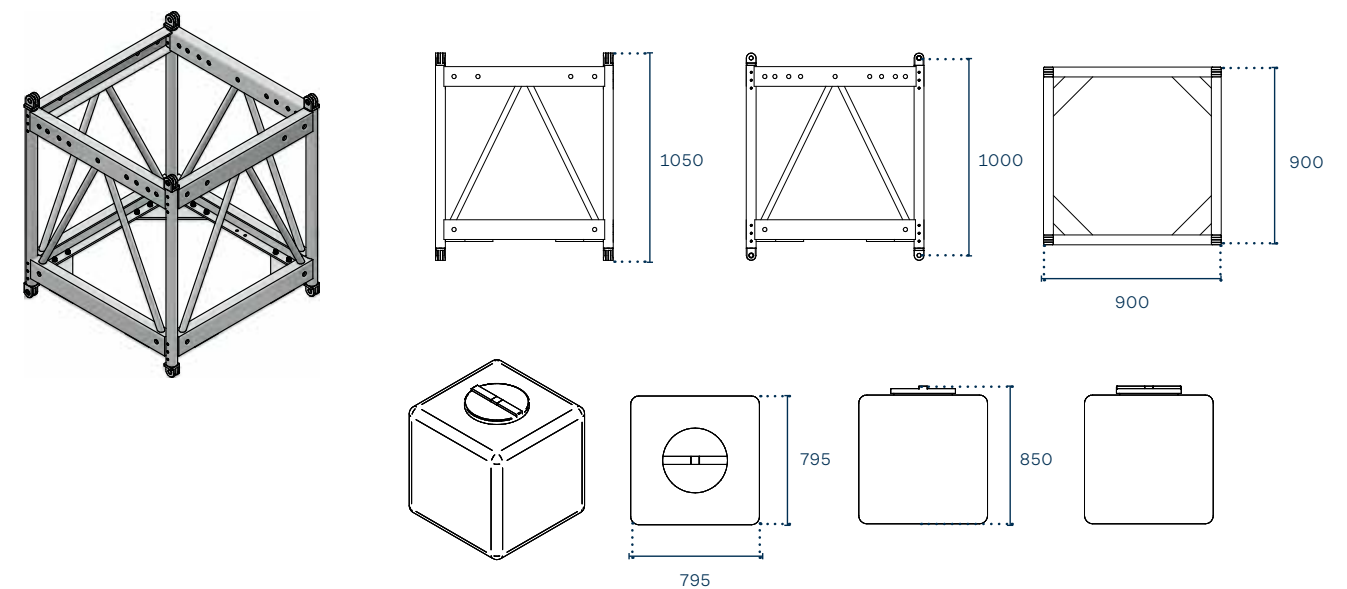
Tower connection for steel



Steel Ballast Systems with forks

Ballast provide stability. Water ballast is a very simple solution to holding down marquees and staging. They can easily be stacked they can be stacked one on top of the other. The versatility of modules allows to disassemble and reinstall structures quickly not only as a square base but with several configurations, allowing to meet any specific requirement.

Dimensions



Accessories



Water tank

Connection kit

Tower connection for steel



Telescopic & Front Load Lifts

The Range of Lifters

In most setups, there are almost always loads to be lifted. Xlift towers have been designed for lifting loads ranging from 125kg to 500kg. Each tower has a Safety Stop, which is a mechanical device that locks each section in the event of a winch malfunction or towing cable breakage, preventing accidental descent.

Xlift XLT-125	42
Xlift XLT-150	44
Xlift XLT-300	46
Xlift XLF-270	48
Xlift XLF-500	50

XLIFT XLT-125

Top Load



Maximum Load (WLL)	→	125 kg
Minimum Load	→	25 kg
Maximum Height	→	3.8 m
Folded Height	→	1.26 m
Unit Weight	→	21 kg
Winch	→	450 kg
Adaptor	→	Ø35 mm
Security	→	Exclusive Lock System



Accessories



TRUSS BRACKET
CODE: LT LIXPSU-06B
Black truss support, with U-piece and pin.
Insertion of Ø35 mm



LIGHTING BAR
CODE: LT LIXBT-06B
Support bar with length of 1.89 m.
Suitable for all towerlifts with insertion of Ø35 mm



XLIFT XLT-150

Top Load



Maximum Load (WLL)	→	150 kg
Minimum Load	→	25 kg
Maximum Height	→	5.35 m
Folded Height	→	1.7 m
Unit Weight	→	41 kg
Winch	→	450 kg
Adaptor	→	Ø35 mm
Security	→	Exclusive Lock System

Accessories



TRUSS BRACKET
CODE: LT LIXPSU-06B
Black truss support, with U-piece and pin.
Insertion of Ø35 mm



LIGHTING BAR
CODE: LT LIXBT-06B
Support bar with lenght of 1.89 m.
Suitable for all towerlifts with insertion of Ø35 mm



XLIFT XLT-300

Top Load



Maximum Load (WLL)	→	300 kg
Minimum Load	→	25 kg
Maximum Height	→	6.5 m
Folded Height	→	1.87 m
Unit Weight	→	124 kg
Winch	→	900 kg
Adaptor	→	Ø50 mm
Security	→	Exclusive Lock System

Accessories



TRUSS BRACKET
CODE: LT LIXPSU-086B
Black truss support, with U-piece and pin.
Insertion of Ø50 mm



LIGHTING BAR
CODE: LT LIXBT-08B
Support bar with lenght of 1.89 m.
Suitable for all towerlifts with insertion of Ø50 mm



XLIFT XLF-270

Front Load



Maximum Load (WLL)	→	270 kg
Minimum Load	→	25 kg
Maximum Height	→	6.65 m
Folded Height	→	1.78 m
Unit Weight	→	144 kg
Winch	→	900 kg
Adaptor	→	Ø50 mm
Security	→	Exclusive Lock System

Accessories



PS-1TR
CODE: LT LIXPS-1TR
U piece for longitudinal load



PS-2TR
CODE: LT LIXPS-2TR
U piece for transverse load



FAS-01
CODE: LT LIXFAS-01
Special support to lift PA systems with the forks



XLIFT XLF-500

Front Load



Maximum Load (WLL)	→	500 kg Structural mode: 1200 kg
Minimum Load	→	25 kg
Maximum Height	→	7 m
Folded Height	→	1.90 m
Unit Weight	→	223 kg
Winch	→	1200 kg
Adaptor	→	Ø50 mm
Security	→	Exclusive Lock System

Accessories



PS-1TR
CODE: LT LIXPS-1TR
U piece for longitudinal load

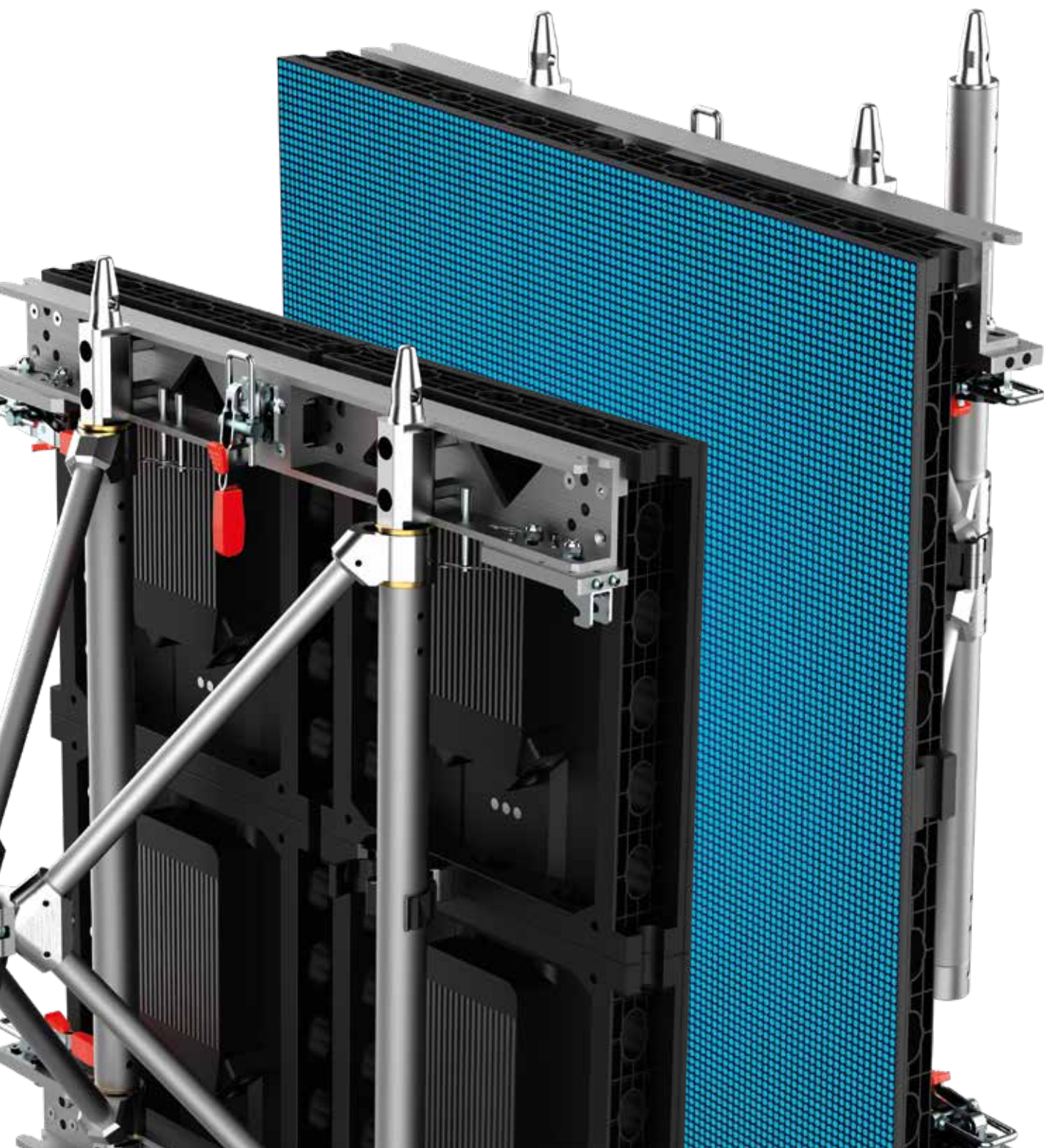


PS-2TR
CODE: LT LIXPS-2TR
U piece for transverse load



FAS-01
CODE: LT LIXFAS-01
Special support to lift PA systems with the forks





BACKBONE AND LED WALL PORTALS

BACKBONE AND LED WALL PORTALS

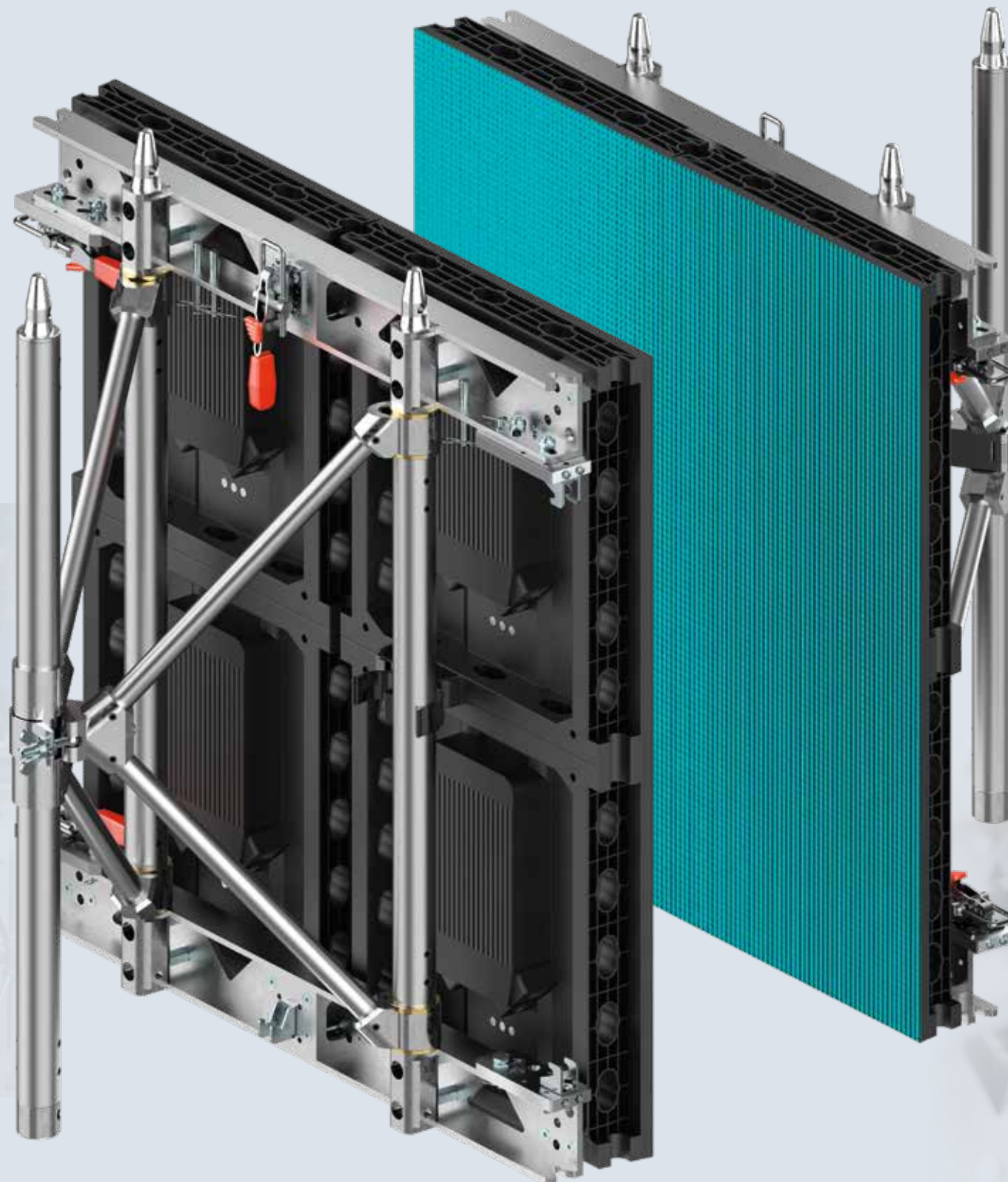
Contents

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S6-H6-QX40SA	26
S7-H7-QX40SA	28
S8-H7-RF40	30
S8-H7-QL52A	32
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LED walls, at the center of the scene.

From rock bands to pop stars, from television & film studios to corporate conventions, LED walls have become an indispensable presence for event creators.

The high performance achieved by this technology makes it possible to construct large screens surfaces composed of multiple LED panels.



Backbone, beyond the scenes.

LITEC Backbone, the solution for building large LED wall screens quickly and securely.

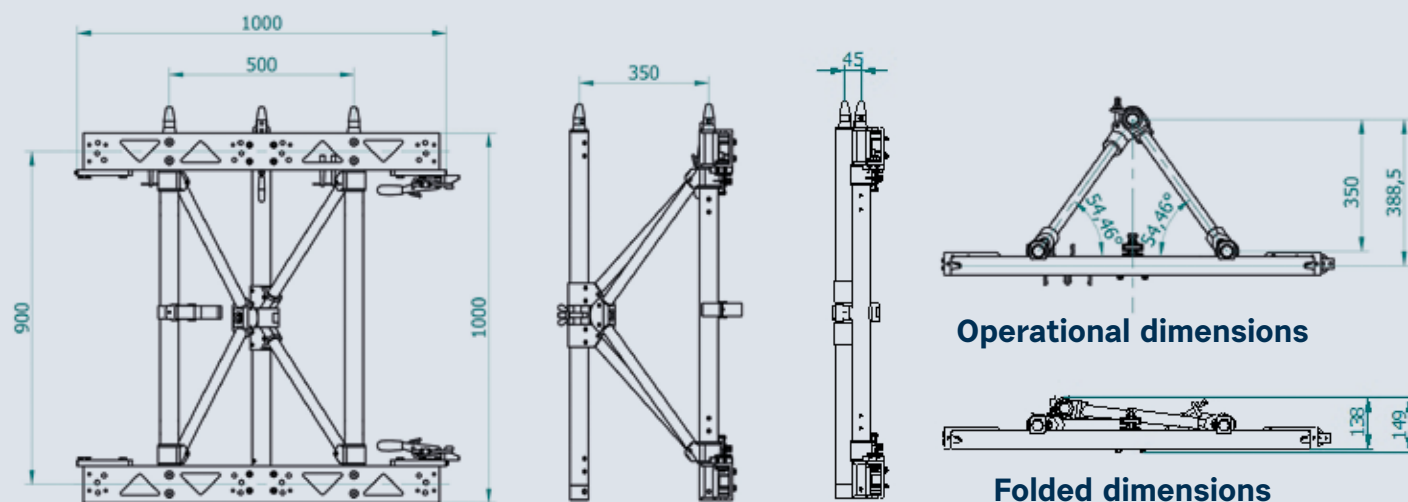


The aluminium reinforcement frame allows for creation of a modular, robust structure that is easy to assemble, disassemble, and move.





Each frame is made of a sturdy aluminium structure weighing **27.0kg**. A hinge system allows for a transition from the folded transport configuration to the operational position. The coupling between frames is extremely precise, with a tolerance of **0.15mm** for perfect alignment of the LED panels.



Backbone Frame Outdoor System

The Backbone Frame Outdoor system is designed to be hung from a dedicated 40 x 40 heavy-duty anti-torsion aluminium truss specifically “engineered and designed” for this application using special accessories consisting of aluminium clamps to allow easy coupling between the Backbone frames and the truss.

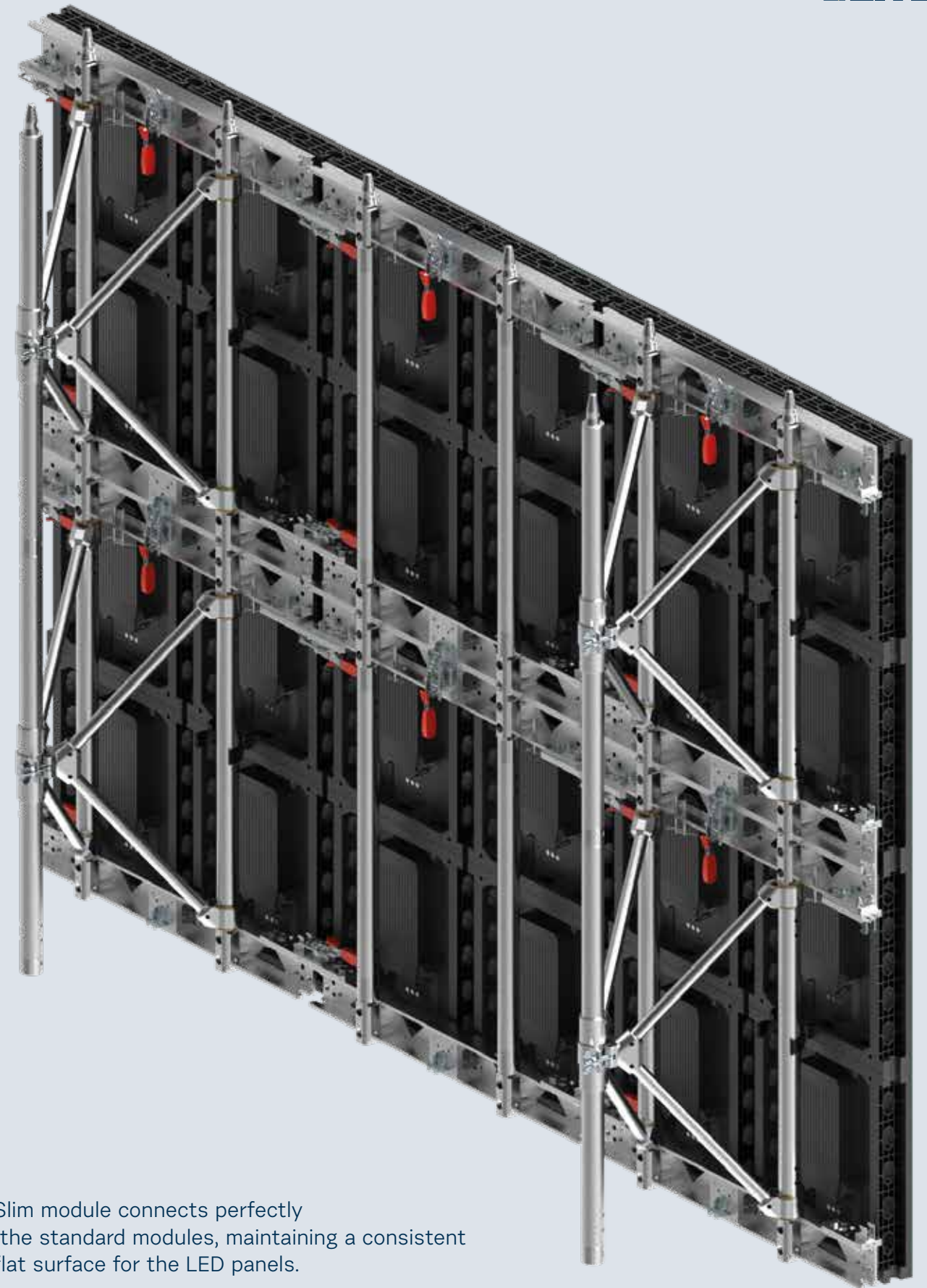
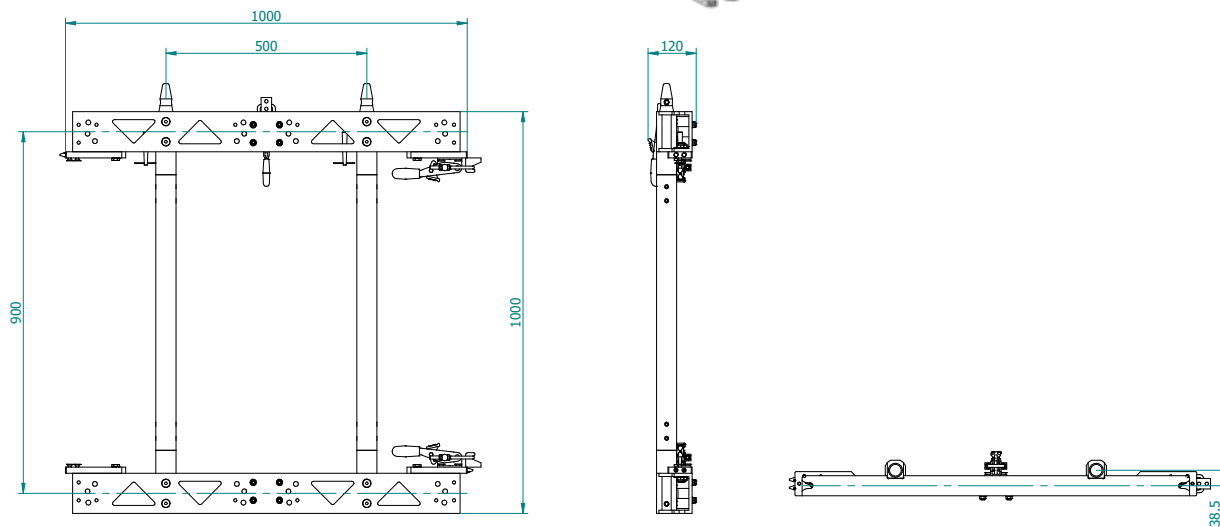


Once the first line of frames is aligned on the ground, lift the truss and add the next line of frames. They are secured together with conical spigots and pins, following the ‘fix and lift’ concept.



The Slim Option

Where structural conditions permit, you can alternate standard modules with the Slim model. This choice makes the entire structure lighter and simpler to assemble, while also lowering overall costs.



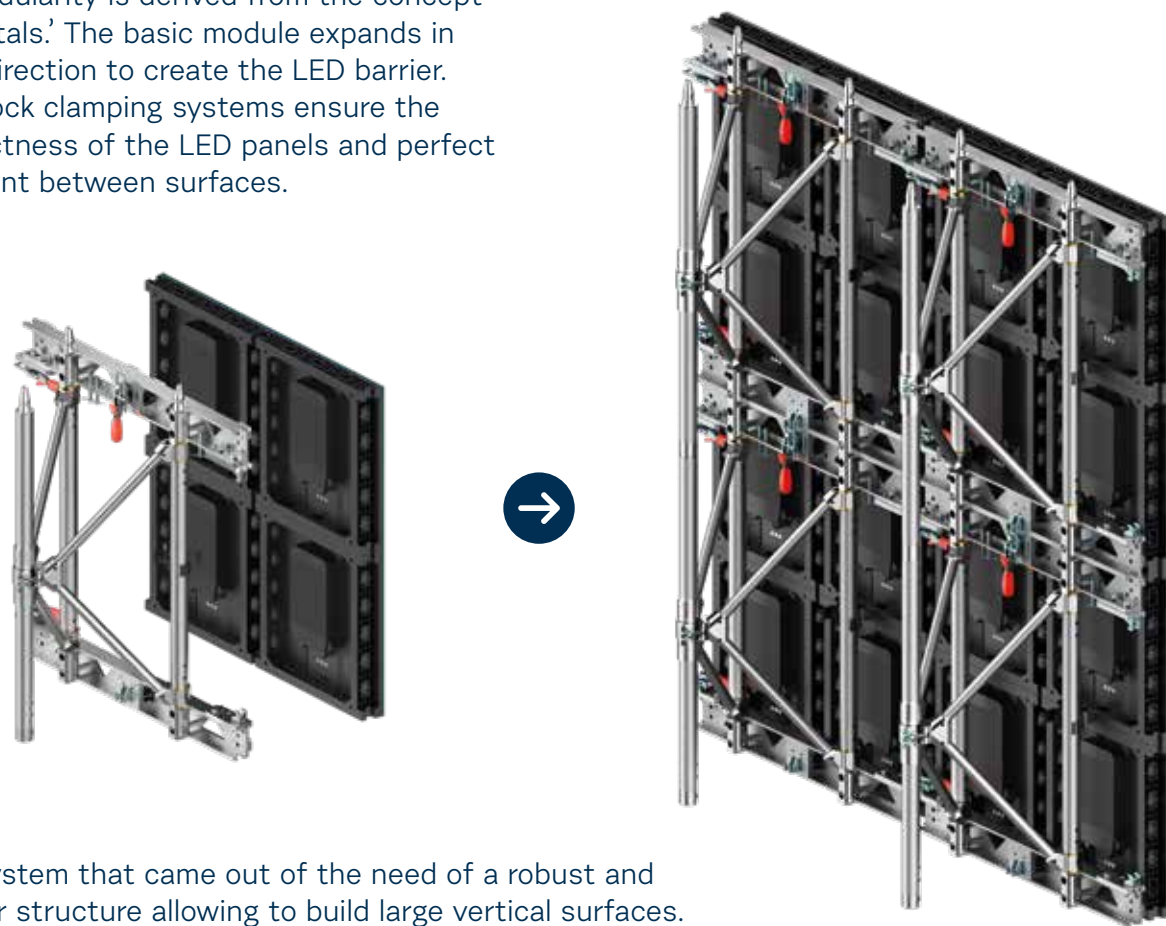
The Slim module connects perfectly with the standard modules, maintaining a consistent and flat surface for the LED panels.



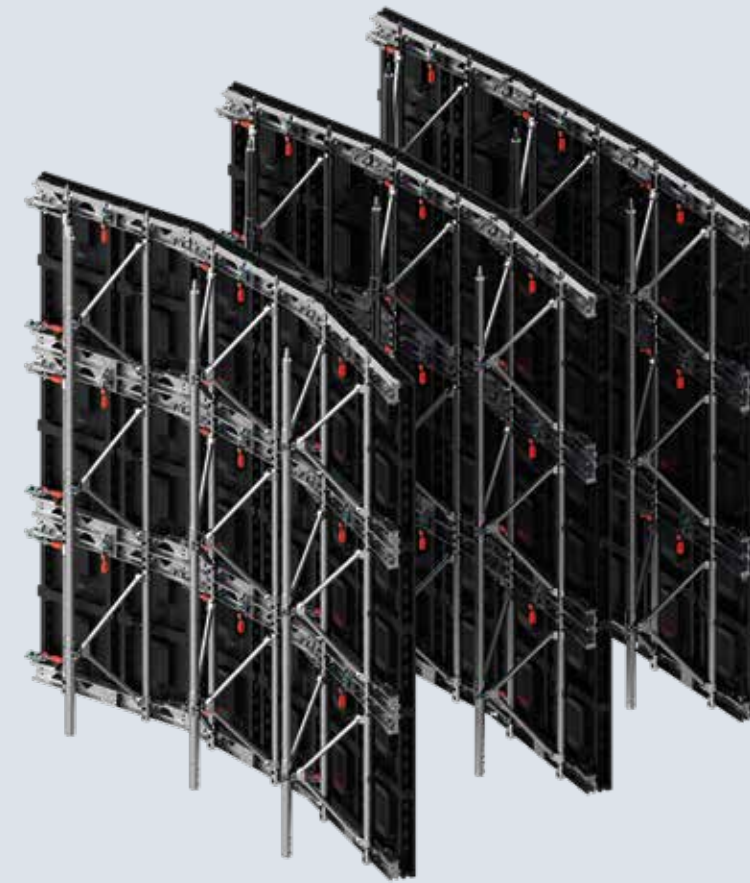


As simple as a fractal

The modularity is derived from the concept of 'fractals.' The basic module expands in every direction to create the LED barrier. Quick lock clamping systems ensure the compactness of the LED panels and perfect alignment between surfaces.

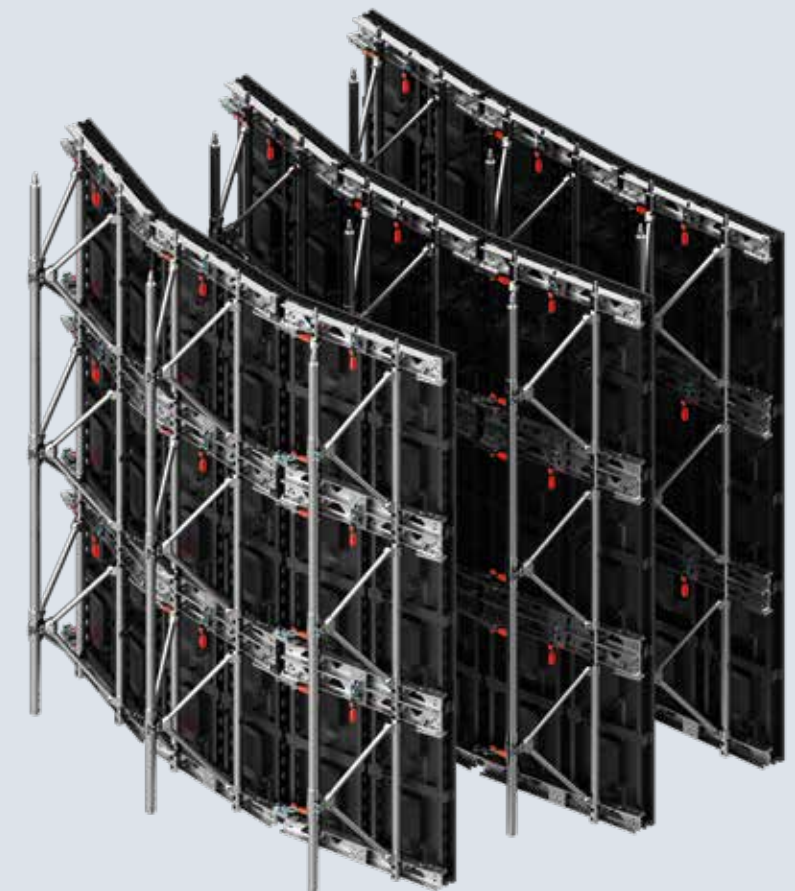


It's a system that came out of the need of a robust and modular structure allowing to build large vertical surfaces. These surfaces, due to their heights and dimensions, would otherwise require scaffolding in the backstage area, resulting in significant costs and time. With the Backbone Frame, light designers are now freer to pursue their dreams.



Concave and convex

Concave or convex: The Backbone frames offer adjustable curvatures at angles of 2.5°, 5.0°, and 7.5°, in both positive and negative directions. By tweaking the position of the connecting screws, you can effortlessly create undulating and curved effects.



Designed for live tours



Easily foldable

The pre wiring of 4 LED 50x50cm panels for each Backbone module ensures efficiency and time saving during installation.

Each 1x1 metre frame can be compacted to a thickness of 20cm (depending on LED panel used) and can be stored and transported on carts.

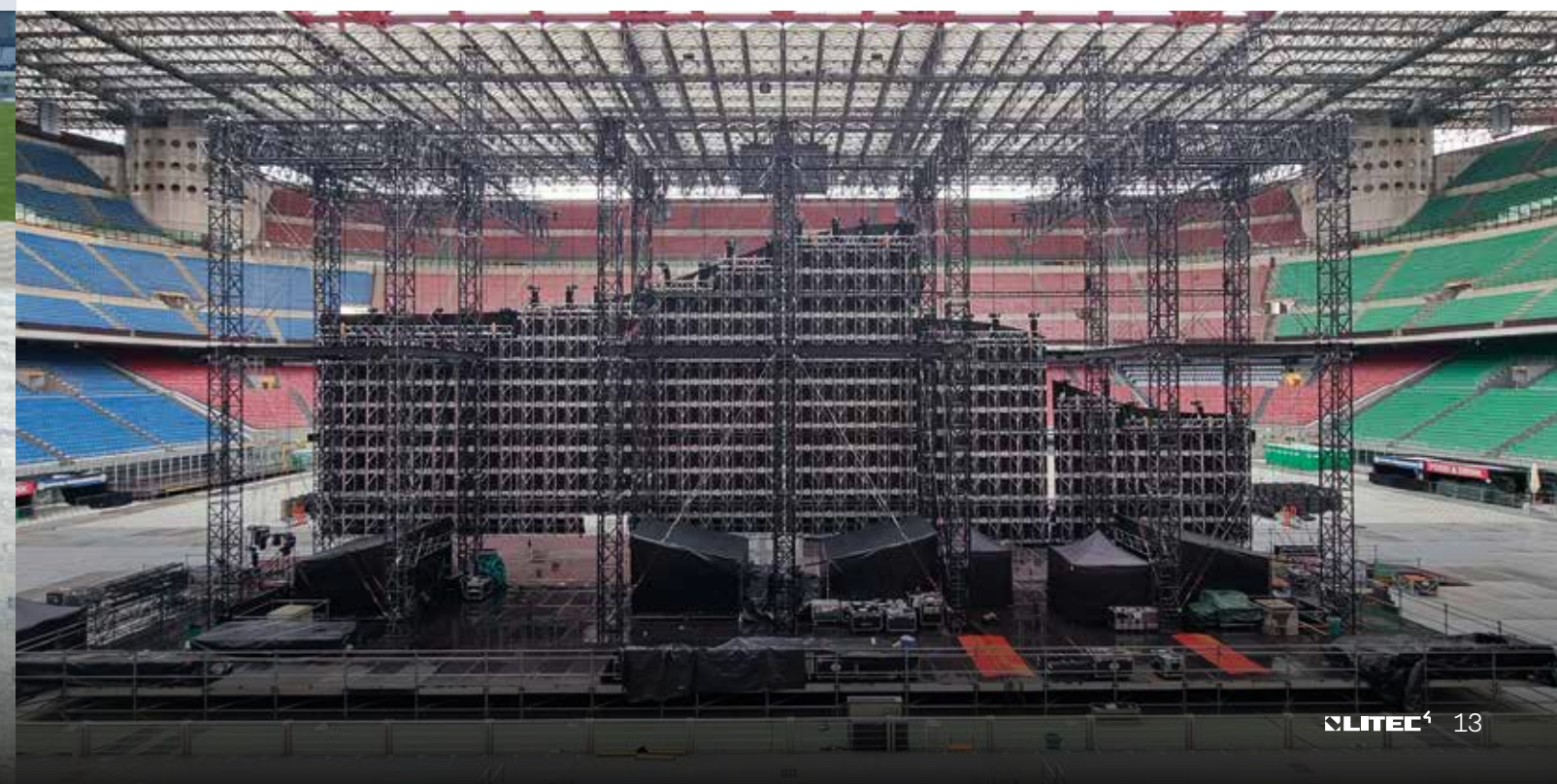
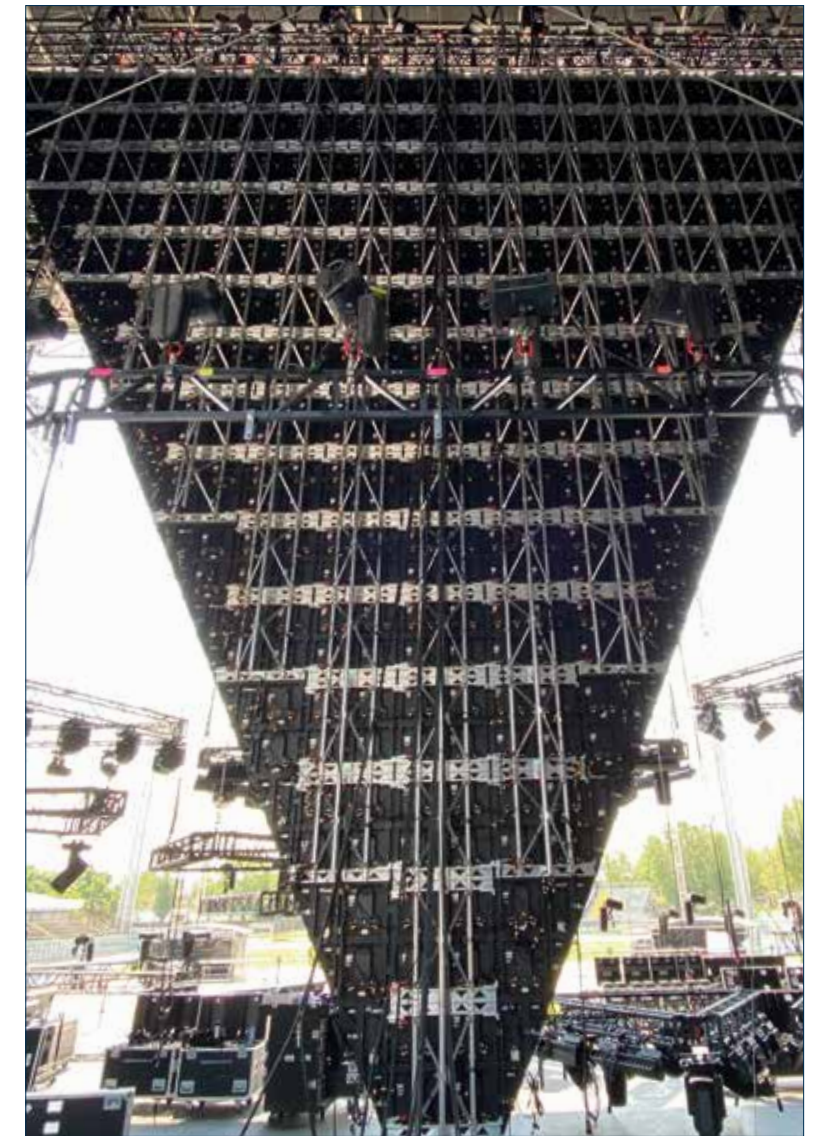
Any shape

Flexibility in use with maximum operational safety.

Virtually, there are no limits in constructing a wall of LED modules. The modularity of the system and its intrinsic robustness make large scale applications possible, with an excellent wind resistance and the freedom to execute formats of any shape.



Scan this QR Code
to watch the video





The spirit of innovation that has distinguished LITEC since its inception continues year after year.

Innovating in solutions designed to support tailor made projects for our clients, innovating in creation of entirely new product lines.

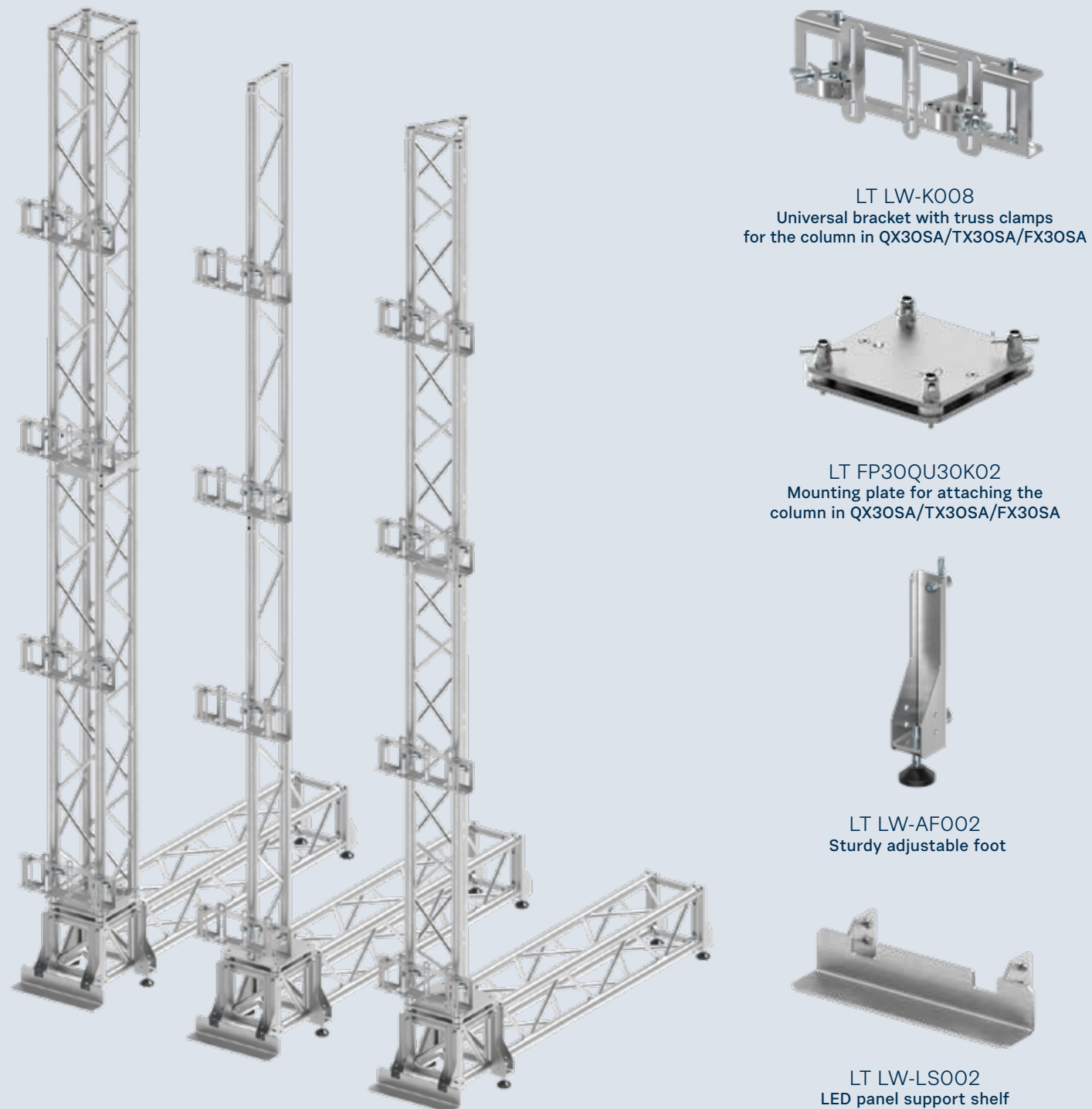
Solutions that arise from the constant collaboration between our technical staff and the most discerning users to create new ambitious products.

LITEC⁴

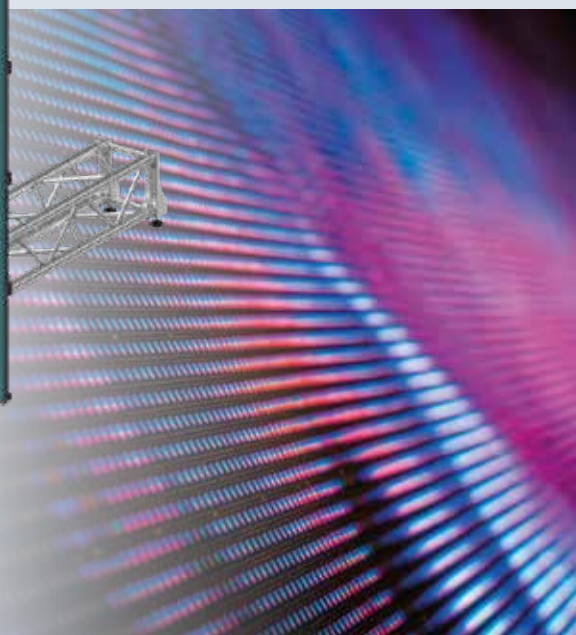
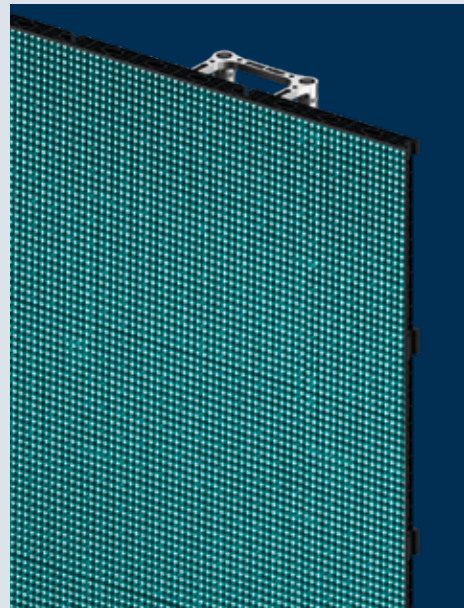
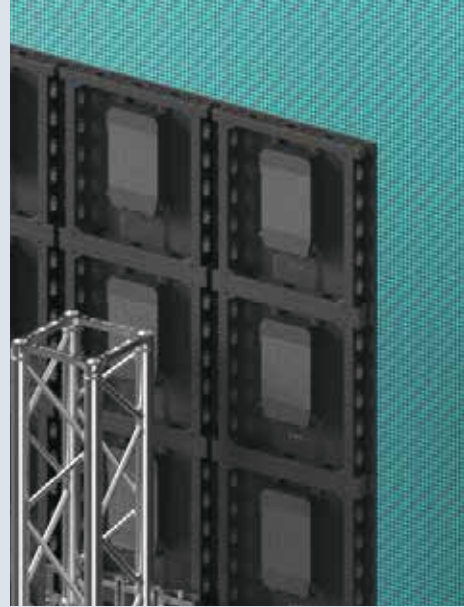
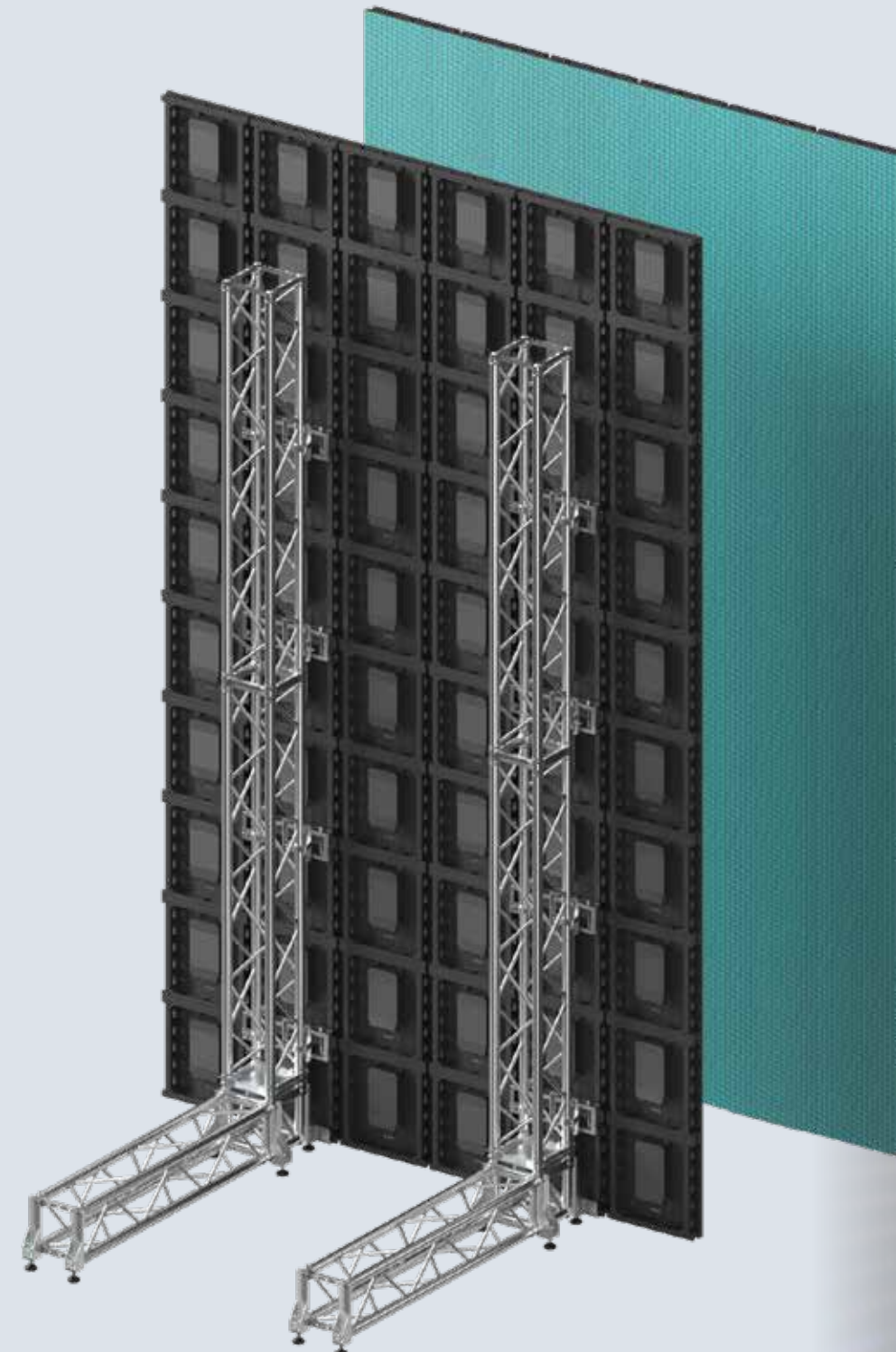
BACKBONE FRAME

INDOOR SYSTEM

With just four custom-designed modules, you can convert your trusses into a powerful support system for LED panels. Add a few more modules and check your inventory-you'll quickly have a professional modular system ready to go.



In addition to large outdoor structures, there is always high demand for simple and reliable solutions to set up LED wall inside fair stands, conference halls, shops, and, of course, entertainment events.

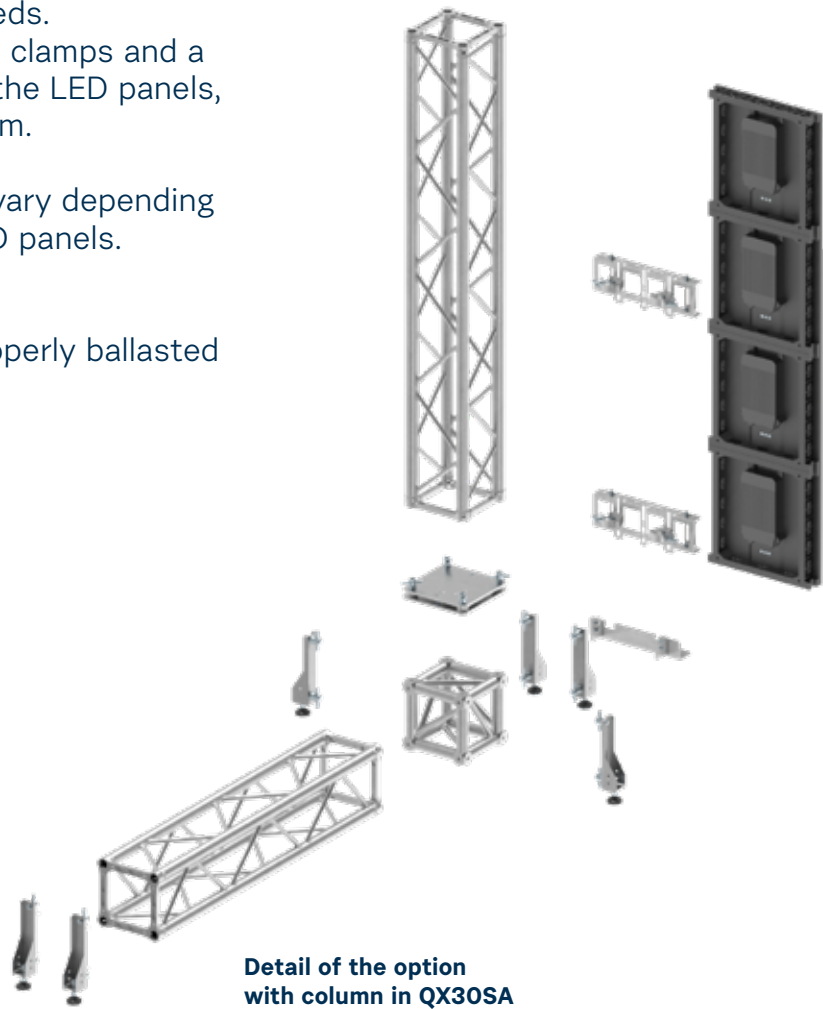


Modular Solutions

The range of standard products in the LITEC Truss catalogue is designed to meet these needs. By simply adding interface modules with clamps and a support base between the trusses and the LED panels, you can create a versatile support system.

The heights allowed by these solutions vary depending on the trusses used and the type of LED panels. Contact us for more information.

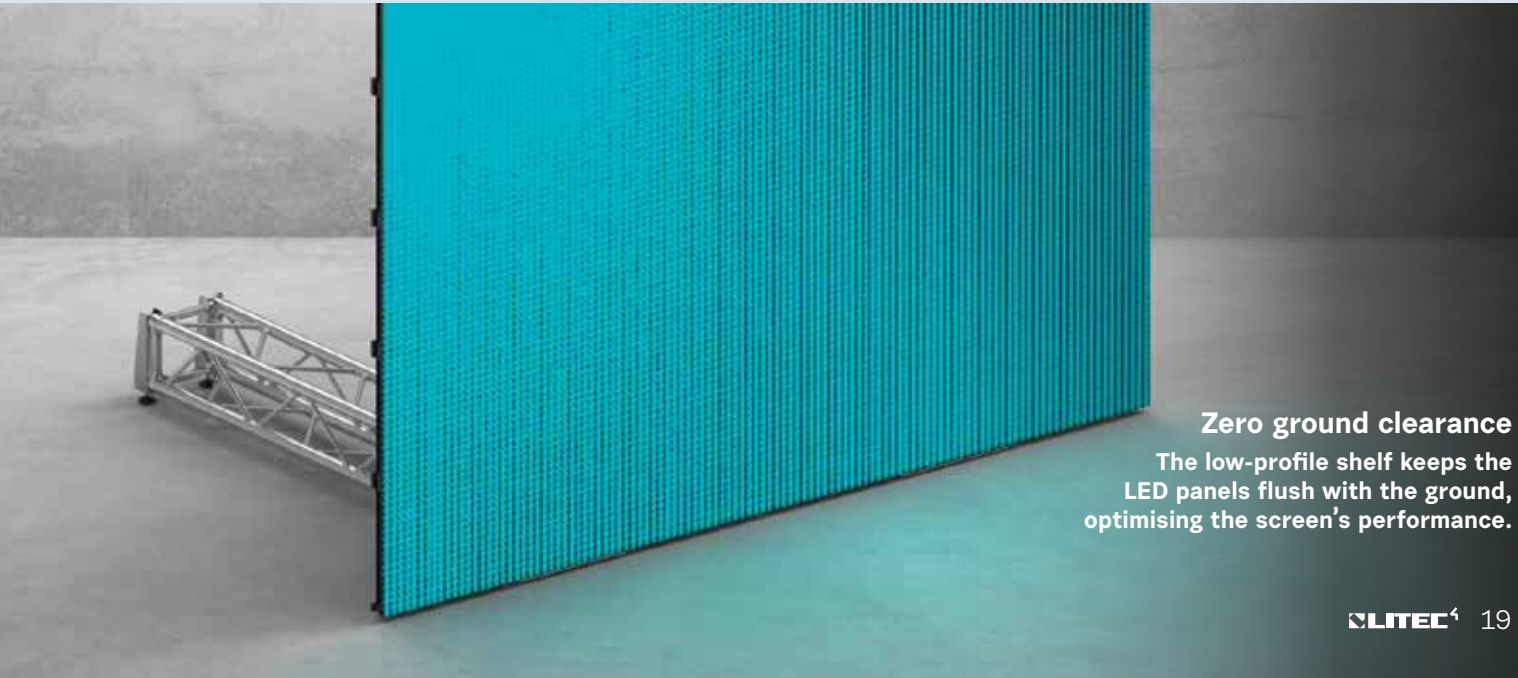
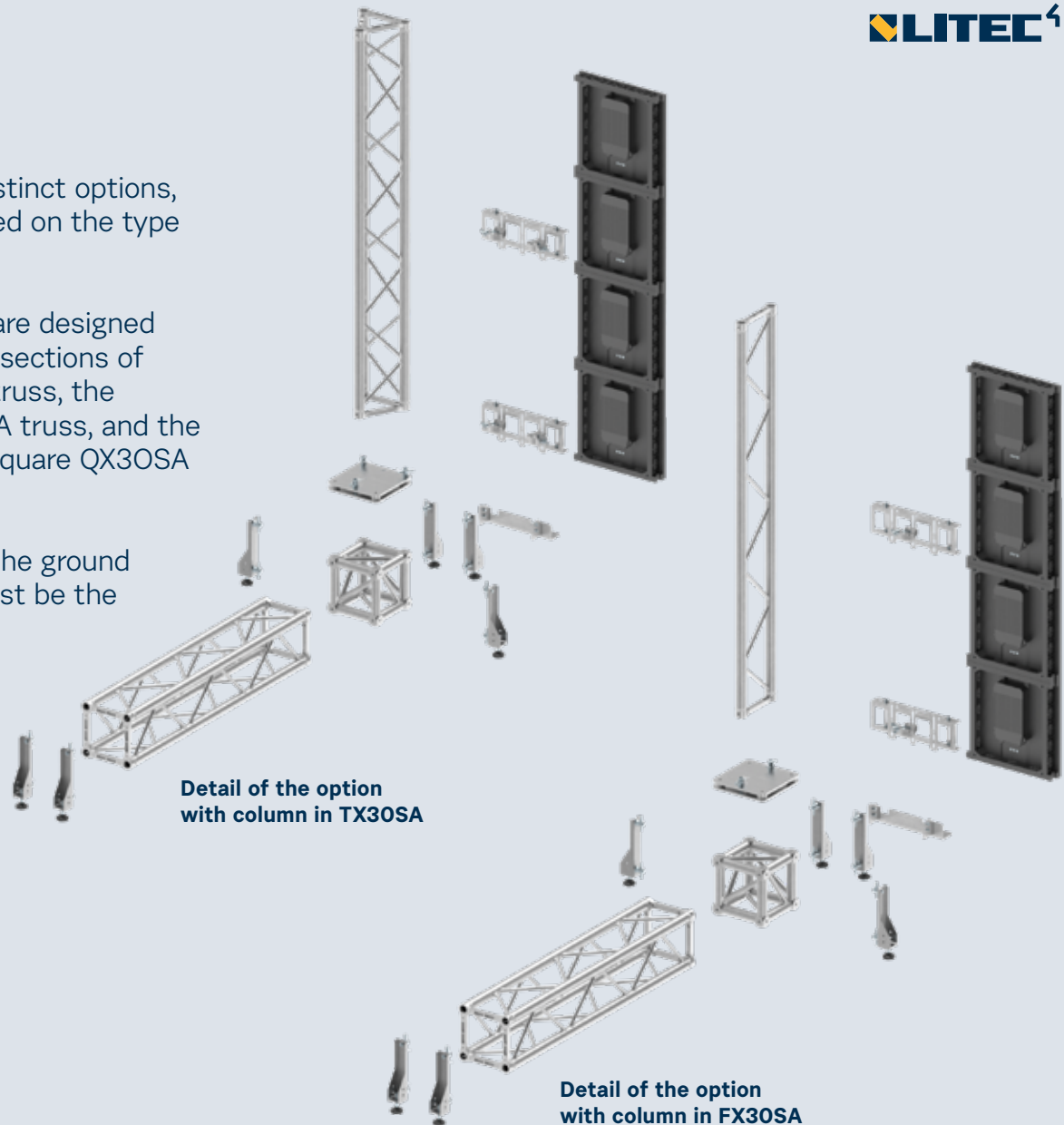
Please note: Each structure must be properly ballasted or securely fixed to the ground.



We have three distinct options, each varying based on the type of truss used.

The accessories are designed to fit the vertical sections of the flat FX30SA truss, the triangular TX30SA truss, and the commonly used square QX30SA truss.

For each option, the ground support truss must be the QX30SA model.



LED WALL PORTALS



LED screens are now widely used for events of all sizes, and LITEC structures are perfectly suited to support them thanks to a modular product range designed to meet the demands of modern productions.

This section presents the most common configurations, categorised by size.

The modular design of the structures naturally allows the LED portals to be used in a wide range of applications. From live bands to small theatre companies, and many other scenarios where a quick setup is needed for audio, lighting, and scenic equipment.

For new designs or to integrate existing equipment, feel free to contact us, we'll help you identify the most suitable solution together.



LED WALL PORTALS

When approaching the proper installation of a portal structure for LED screens, it is essential to carefully assess the relevant safety parameters.

The configuration of an LED screen significantly influences wind loads when used outdoors. In this context, the recently published **EN 17879** standard provides specific guidance for the use of temporary structures. Key factors to be considered include:

- **Structure height** (measured from the beam to ground level)
- **Clear span** between towers
- **Total load**, including all suspended elements (LED modules, cables, etc.)
- **Screen size**, as the surface area impacts both the self-weight and wind resistance
- **Wind pressure**, which is a critical factor affecting the structure’s performance. In accordance with regulations, wind pressure must always be calculated by considering potential sudden gusts.

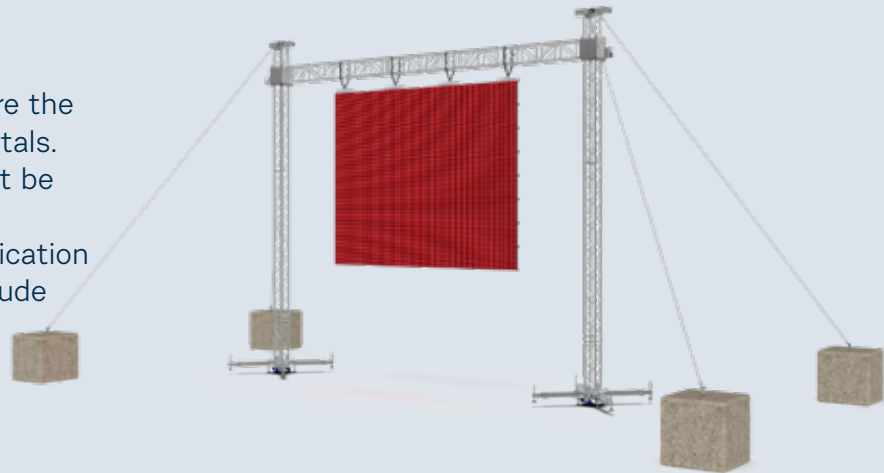
The following pages showcase a selection of portal structures that illustrate different configuration options in terms of size and load capacity.

As these are modular systems, dimensions can be adjusted to suit specific needs, which may in turn affect structural performance.

It is the sole responsibility of the installer to ensure that any configuration complies with applicable safety standards prior to installation.

We recommend consulting our technical team to help identify the most suitable solution - **or to design a new one based on your specific requirements.**

The use of suitable ballast or other anchoring devices is essential to ensure the correct and safe installation of the portals. A dedicated anchoring calculation must be carried out for each installation. Due to the wide range of possible application scenarios, this catalogue does not include configurations with ballast.



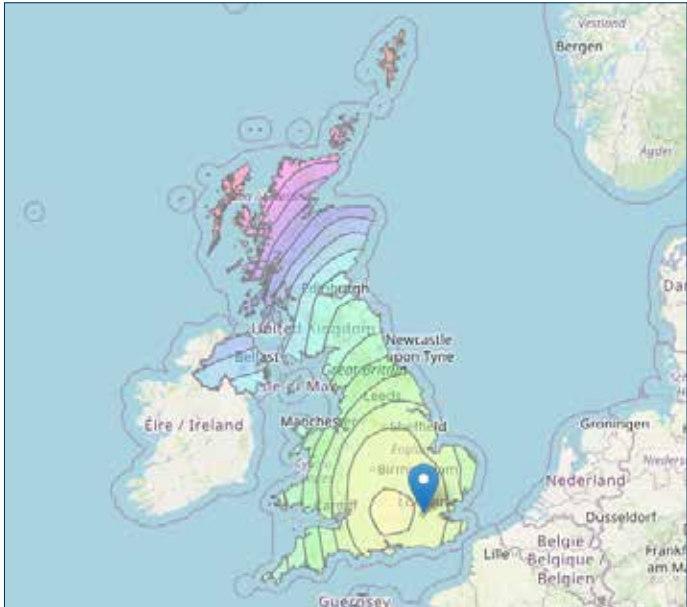
The wind factor

Limits and Risks Associated with Temporary Outdoor Structures

Each region is subject to its own wind conditions. The regulatory authorities of individual countries have issued wind pressure zoning maps based on local climate and geography.

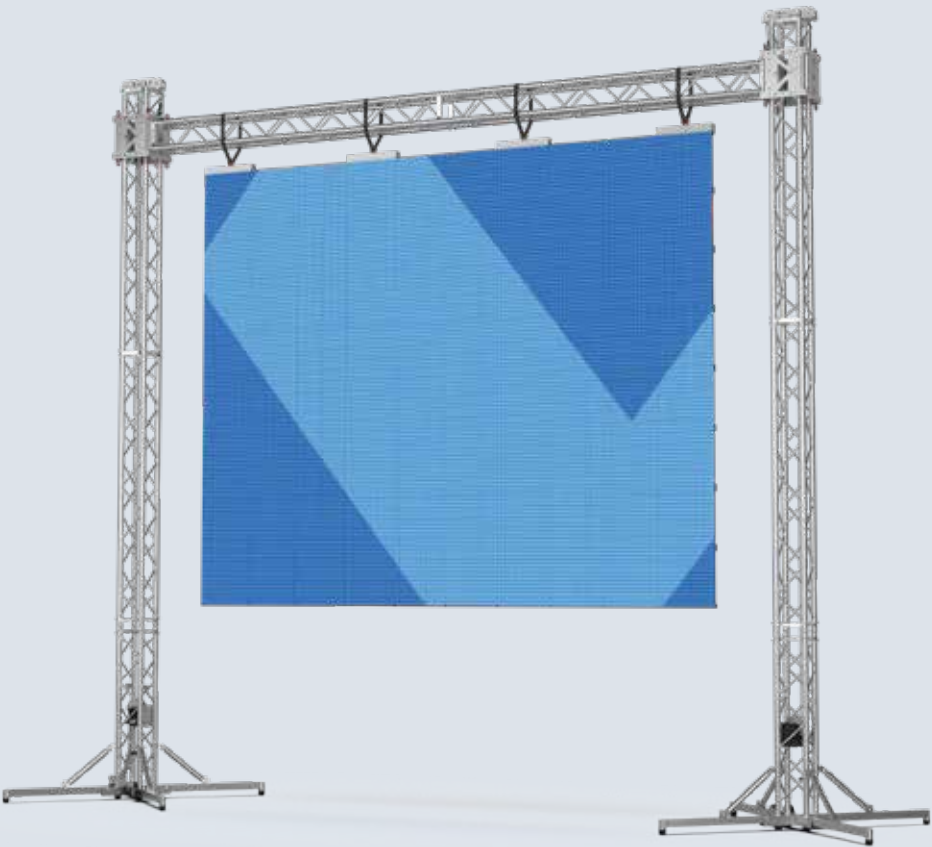
Recently, the European Union introduced **Eurocode EN 17879**, which provides specific guidelines for temporary structures.

Below are visual examples from some countries, illustrating and comparing wind pressure conditions across similar macro-areas.



LED Wall Ground Support

S6-H6-QX30SA



Portal system based on the popular Towerlift 3

This portal system is entirely built using QX30SA truss, employed both for the tower and the span.

Easy and quick to assemble, it uses widely available standard components that are also used in many other applications, making the investment cost-effective.

The structure can be easily upgraded to the S6-H6-QX40SA configuration to achieve a motorised lifting system.

LED Wall Ground Support - S6-H6-QX30SA

Span	→ 6 m
Height	→ 6 m
Towers	→ Towerlift 3
Span trusses	→ QX30SA

Important Note on Loading Capacity

Warning: Load capacities are not specified in the table, as they depend on various environmental factors and the positioning of the load. We recommend contacting us to verify the correct setup of the structure, including load capacity calculations and the required ballast.

Due to the complex interplay of variables, including screen surface area, wind load, system self-weight, and required screen height - **each installation must be evaluated on a case-by-case basis.** Structural calculations must therefore be performed specifically for each configuration, ensuring the overall construction meets all applicable safety and performance standards.

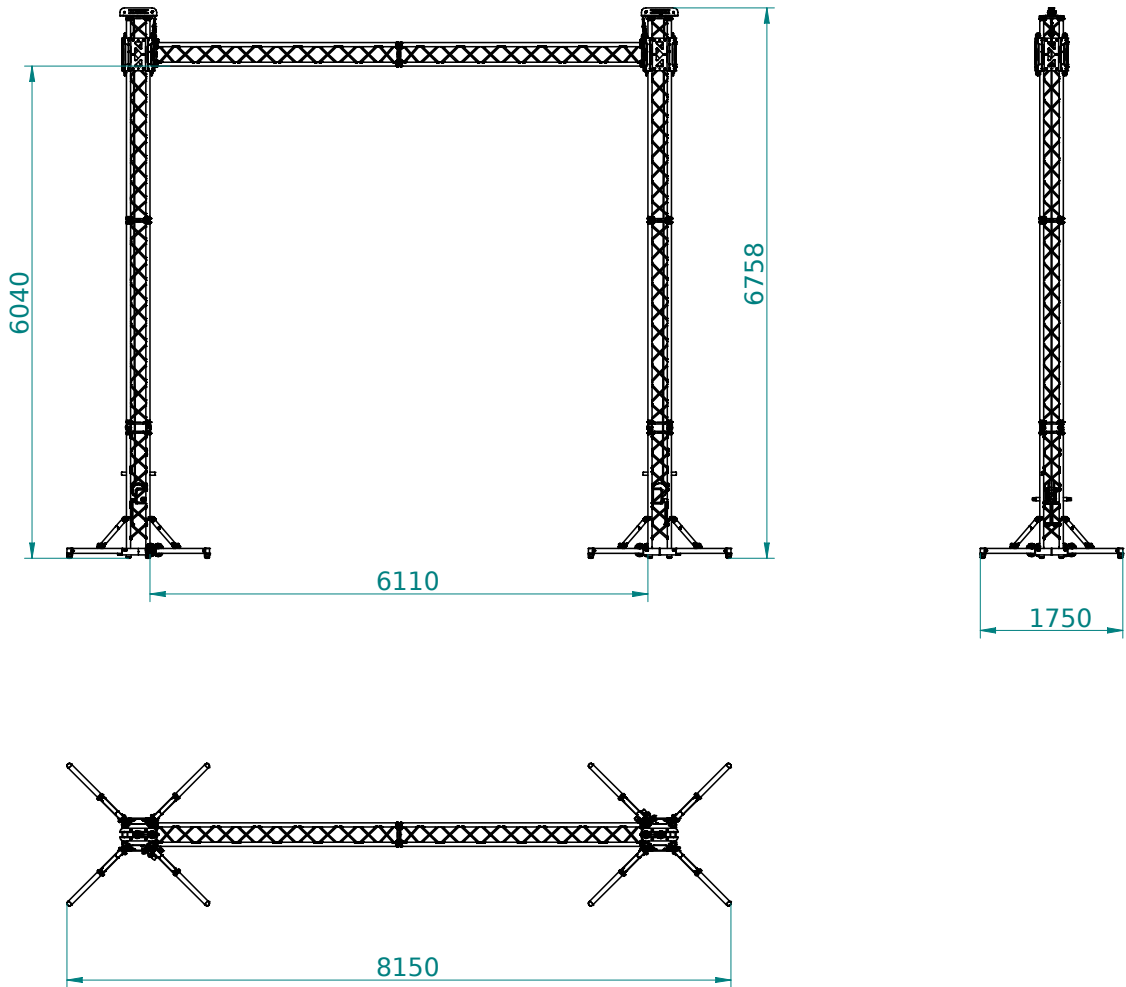
Disclaimer

The examples and data provided in this catalogue are for illustrative purposes only, due to the wide variability of conditions under which the structures may be assembled. **Each installation must be stabilised with the appropriate amount of ballast.**

The use and installation of these systems are subject to national and local regulations. **It is the sole responsibility of the end user and/or appointed engineer to ensure that all structural configurations are appropriate** for the intended application and fully compliant with relevant legal and safety requirements.

LED Wall Ground Support - S6-H6-QX30SA

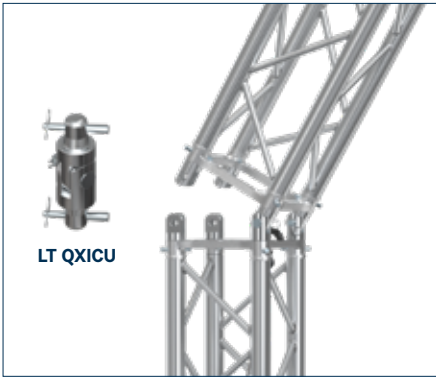
This product line has been developed in accordance with the following standards: EN 1991 – Eurocode 1, EN 1999 – Eurocode 9, EN 17879.



LED Portal based on Towerlift 3 with manually operated winch. When lifting is performed exclusively using the manual winch, the maximum load capacity for the two towers combined is 1,000 kg.



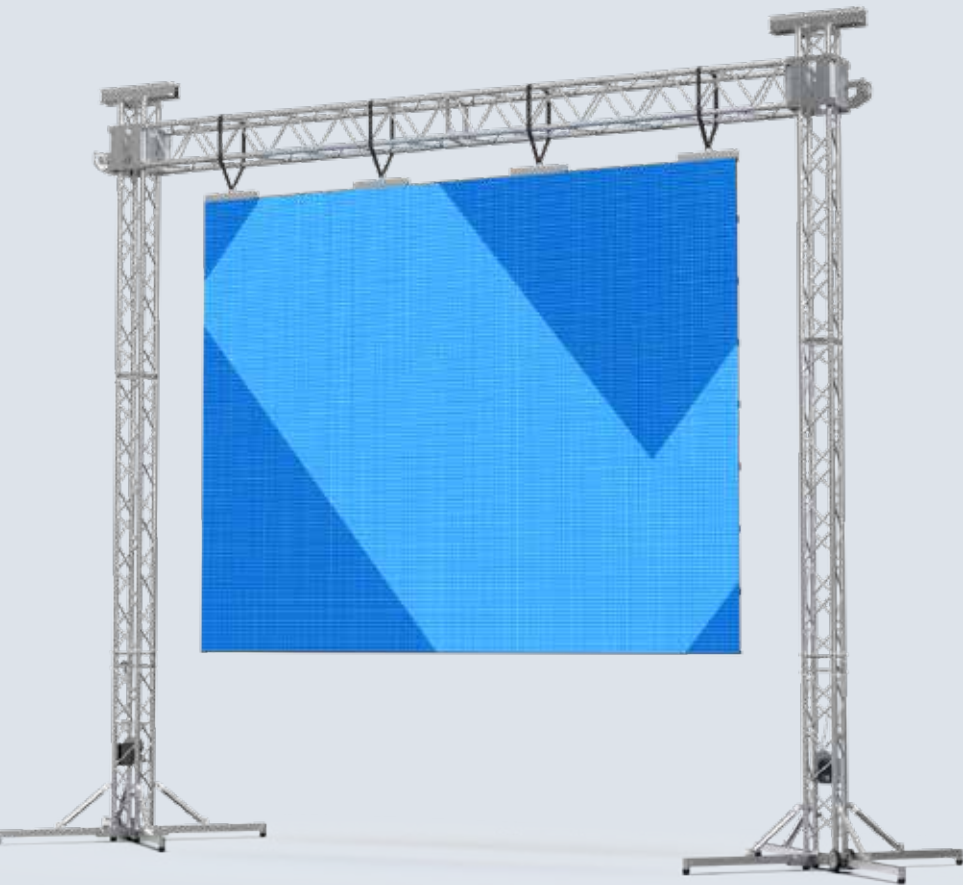
Detail of the top section and the Sleeve Block with manual rope winch.



The basic configuration includes the elbow joint kit (**LT QXICU**), designed to simplify the mounting of tower trusses above the Towerlift 3.

LED Wall Ground Support

S6-H6-QX40SA



Portal system based on the popular Towerlift 3

The portal consists of QX30SA towers and a QX40SA span truss.

It comes standard with the LT TLU30MS accessory, to be mounted on the Sleeve Block, allowing the native wire winch-based system to be upgraded for use with an electric chain hoist, thereby increasing the load capacity.

LED Wall Ground Support - **S6-H6-QX40SA**

Span	→ 6 m
Height	→ 6 m
Towers	→ Towerlift 3
Span trusses	→ QX40SA

Important Note on Loading Capacity

Warning: Load capacities are not specified in the table, as they depend on various environmental factors and the positioning of the load. We recommend contacting us to verify the correct setup of the structure, including load capacity calculations and the required ballast.

Due to the complex interplay of variables, including screen surface area, wind load, system self-weight, and required screen height - **each installation must be evaluated on a case-by-case basis.** Structural calculations must therefore be performed specifically for each configuration, ensuring the overall construction meets all applicable safety and performance standards.

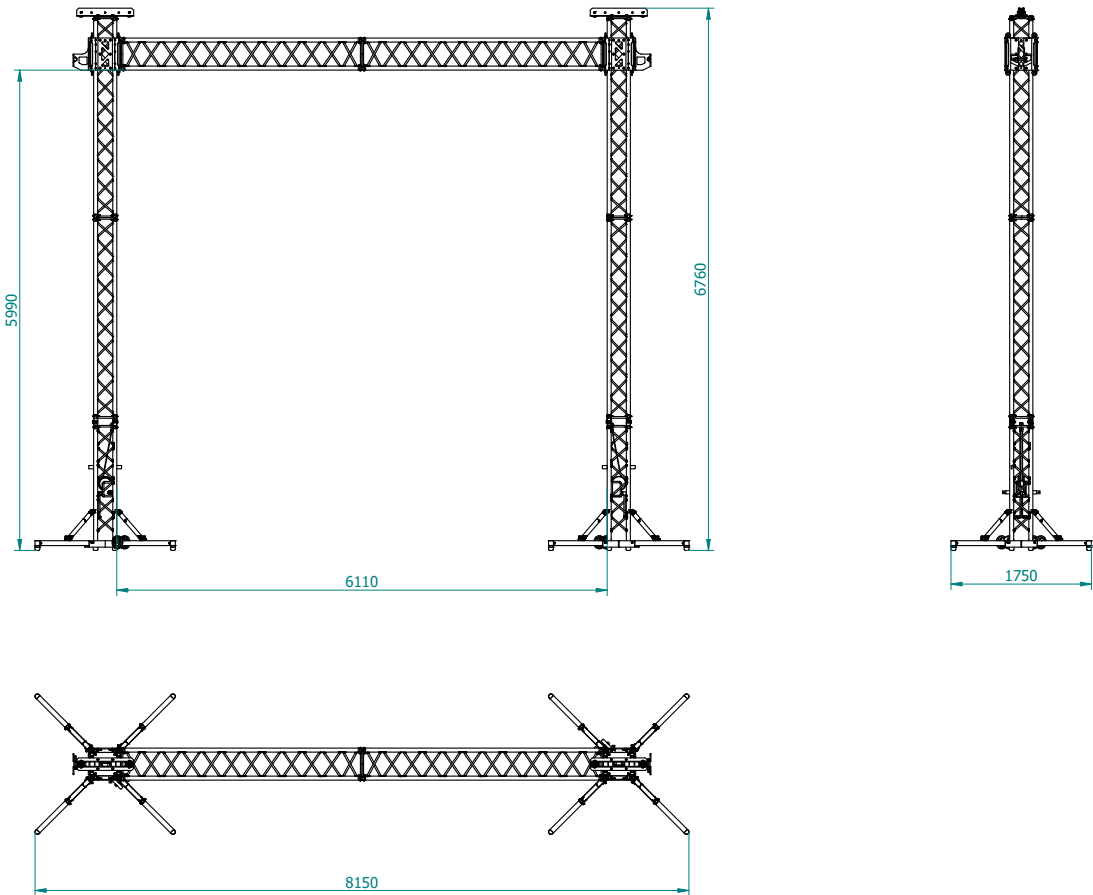
Disclaimer

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LED Wall Ground Support - **S6-H6-QX40SA**

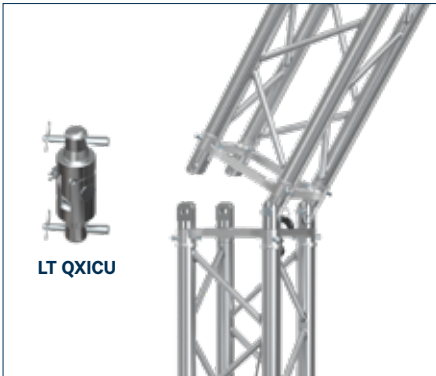
This product line has been developed in accordance with the following standards:
EN 1991 – Eurocode 1, EN 1999 – Eurocode 9, EN 17879.



The Towerlift 3 is always supplied with a manual winch, which allows for a maximum lifting capacity of 500 kg per tower. To increase the load capacity it is necessary to switch to an electric chain hoist.



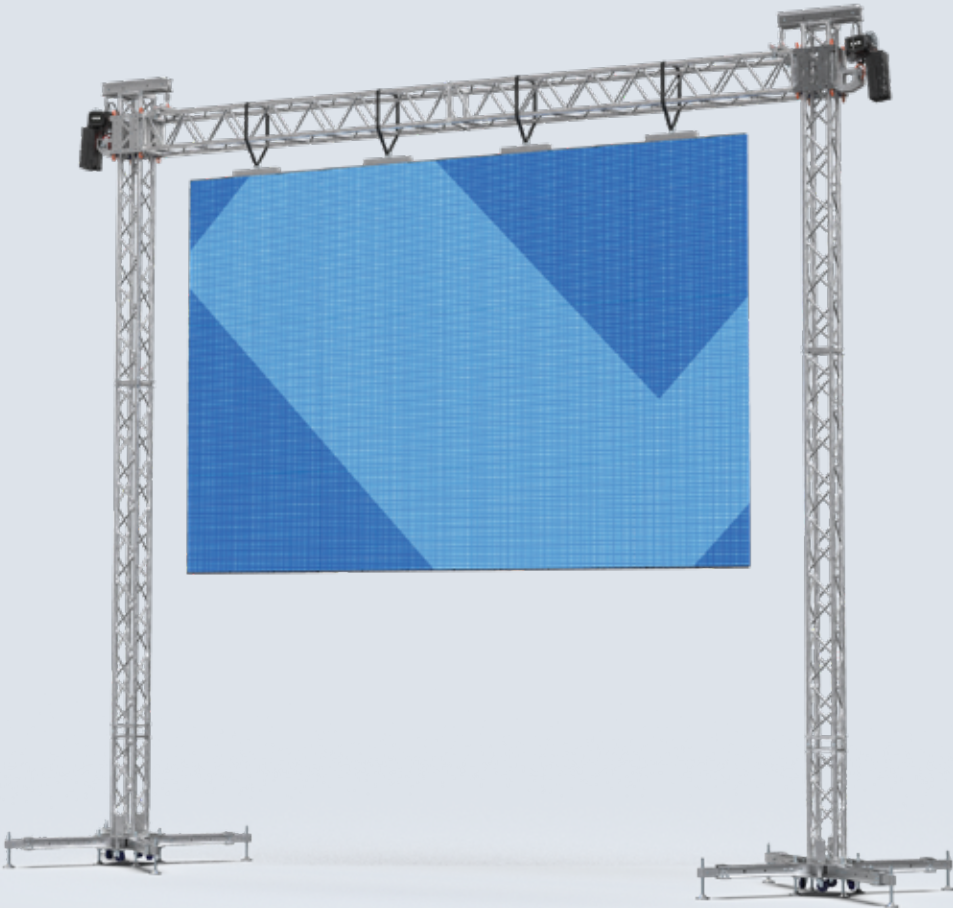
Close-up of the Sleeve Block fitted with the **LT TLU30MS** accessory for proper installation of the electric chain hoist.



The basic configuration includes the elbow joint kit (**LT QXICU**), designed to simplify the mounting of tower trusses above the Towerlift 3.

LED Wall Ground Support

S7-H7-QX40SA



Portal system based on the well-established Varitower 3-30.

The tower is built using QX30SA truss, and the span is made with QX40SA. Compared to previous models, both height and overall load capacity are increased.

The Sleeve Block comes as standard with the LT TLU30MS accessory for attaching an electric chain hoist.

LED Wall Ground Support - S7-H7-QX40SA

Span	→ 7 m
Height	→ 7 m
Towers	→ Varitower 3-30
Span trusses	→ QH40SA

Important Note on Loading Capacity

Warning: Load capacities are not specified in the table, as they depend on various environmental factors and the positioning of the load. We recommend contacting us to verify the correct setup of the structure, including load capacity calculations and the required ballast.

Due to the complex interplay of variables, including screen surface area, wind load, system self-weight, and required screen height - **each installation must be evaluated on a case-by-case basis.** Structural calculations must therefore be performed specifically for each configuration, ensuring the overall construction meets all applicable safety and performance standards.

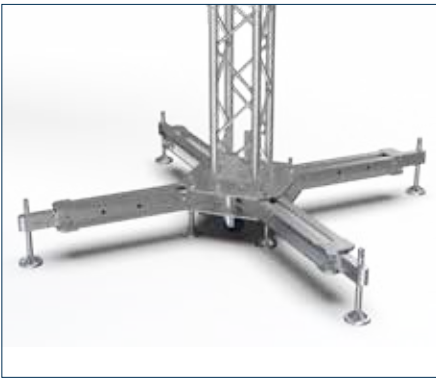
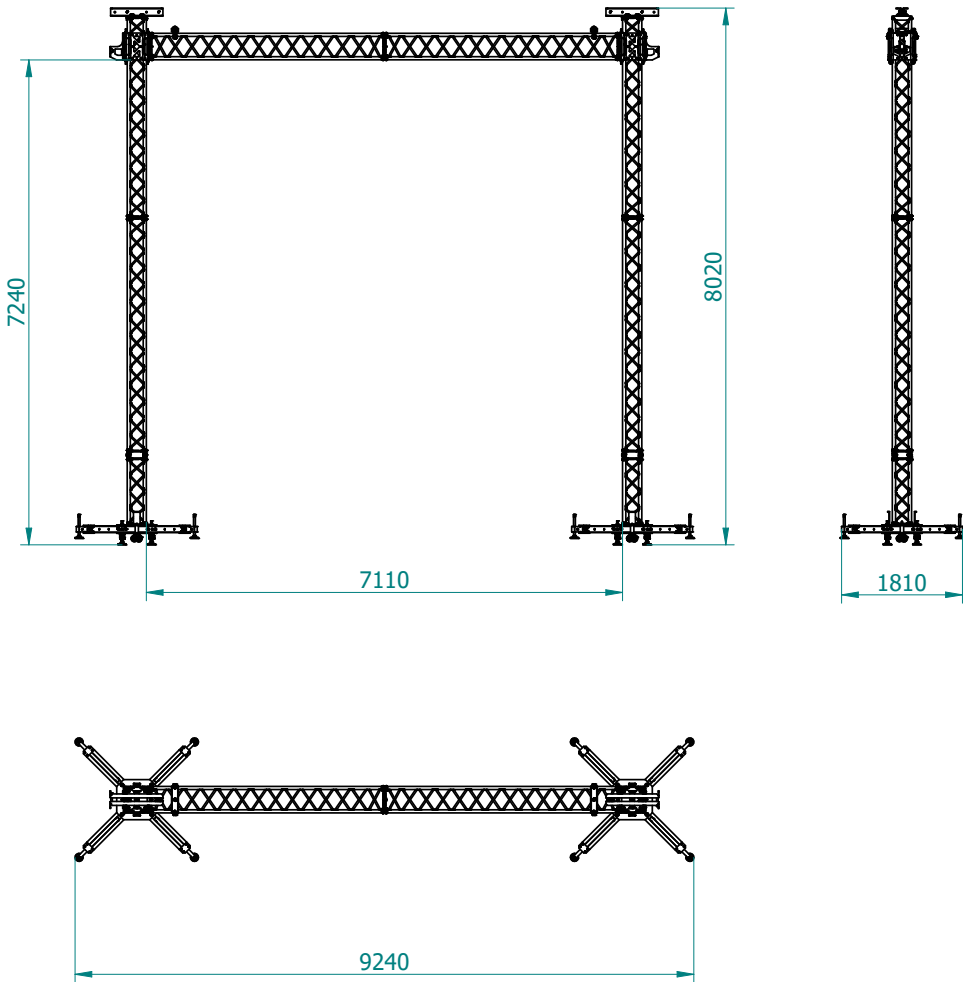
Disclaimer

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The use and installation of these systems are subject to national and local regulations. **It is the sole responsibility of the end user and/or appointed engineer to ensure that all structural configurations are appropriate** for the intended application and fully compliant with relevant legal and safety requirements.

LED Wall Ground Support - S7-H7-QX40SA

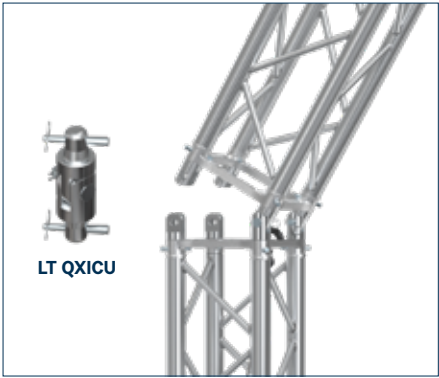
This product line has been developed in accordance with the following standards:
EN 1991 – Eurocode 1, EN 1999 – Eurocode 9, EN 17879.



The great versatility of the Varitower 3-30 base is used in this portal to build the tower with QX30SA truss, specifically designed for motorised load lifting. The adjustable ground contact feet add further flexibility, making it particularly suitable for use on uneven surfaces.



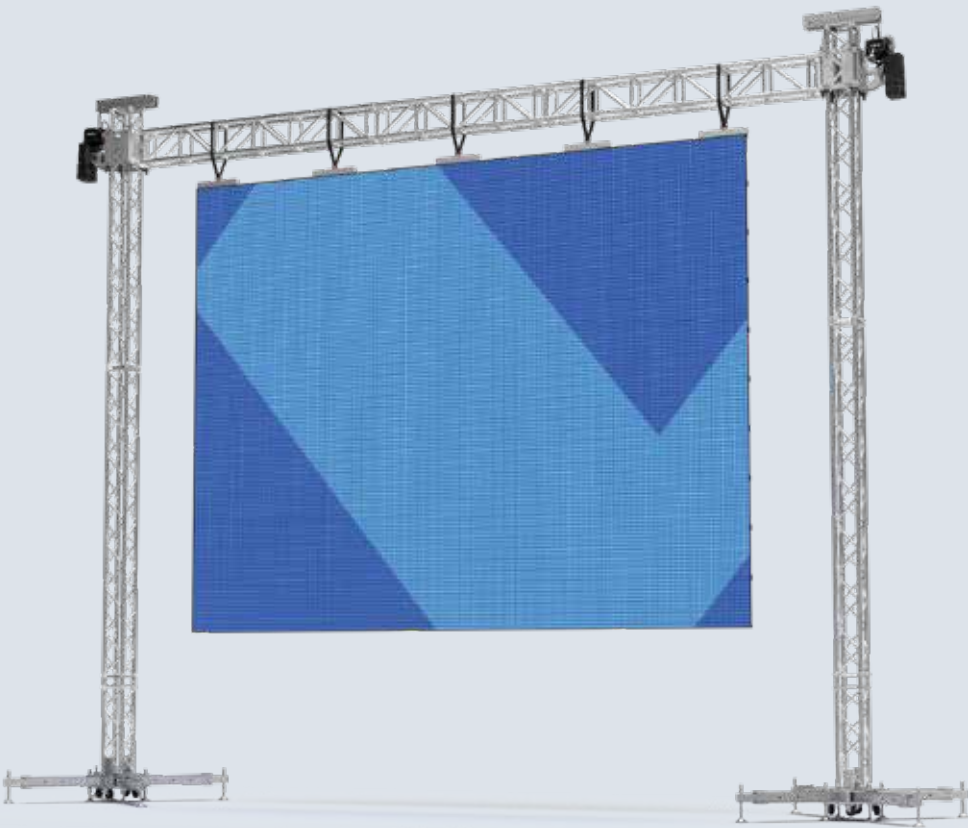
Close-up of the Sleeve Block fitted with the **LT TLU30MS** accessory for proper installation of the electric chain hoist.



The basic configuration includes the **LT QXICU** elbow joint kit, specifically designed to simplify the mounting of tower trusses above the Varitower 3-30.

LED Wall Ground Support

S8-H7-RF40



Portal system based on the well-established Varitower 3-30.

This portal features a significantly higher load capacity compared to previous models. While it is built on a QX30SA tower, it is equipped with a Sleeve Block featuring fork-end terminals for connecting an RF40 fork truss as the span element.

The Sleeve Block is always supplied as standard with the LT TLU30MS accessory for attaching an electric chain hoist, ensuring the load capacities offered by the high-performance Sleeve Block/RF40 combination.

LED Wall Ground Support - S8-H7-RF40

Span	→ 8 m
Height	→ 7 m
Towers	→ Varitower 3-30
Span trusses	→ RF40

Important Note on Loading Capacity

Warning: Load capacities are not specified in the table, as they depend on various environmental factors and the positioning of the load. We recommend contacting us to verify the correct setup of the structure, including load capacity calculations and the required ballast.

Due to the complex interplay of variables, including screen surface area, wind load, system self-weight, and required screen height - **each installation must be evaluated on a case-by-case basis.** Structural calculations must therefore be performed specifically for each configuration, ensuring the overall construction meets all applicable safety and performance standards.

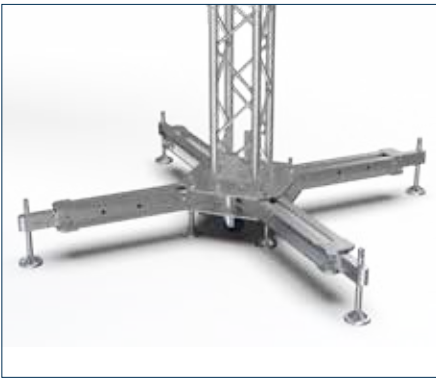
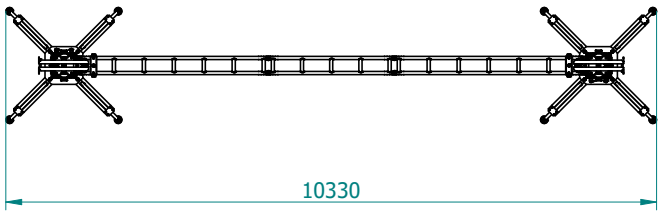
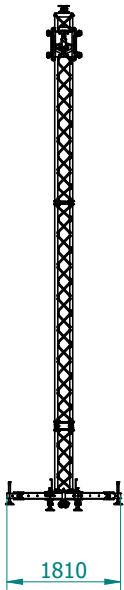
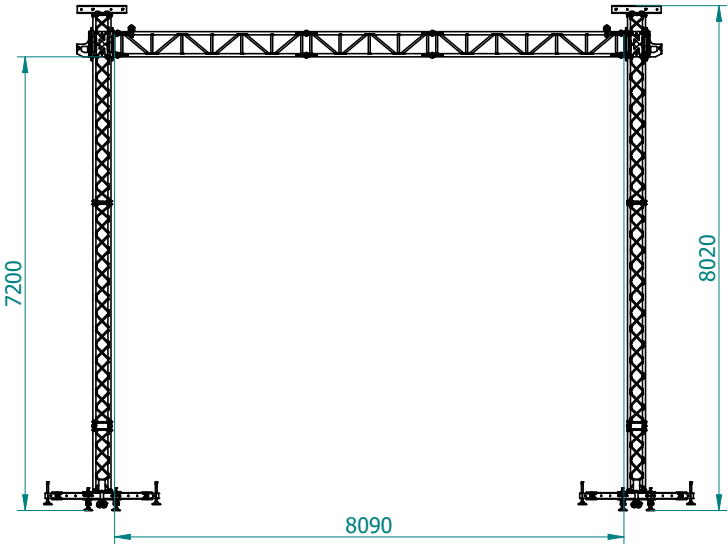
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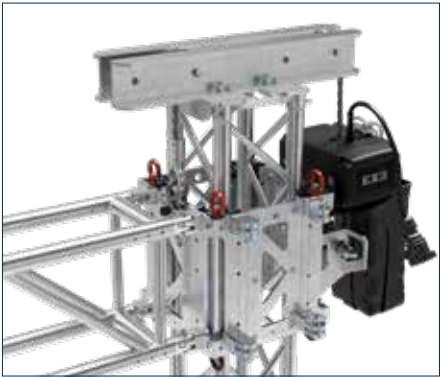
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LED Wall Ground Support - S8-H7-RF40

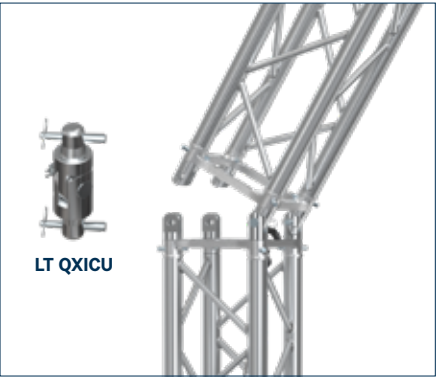
This product line has been developed in accordance with the following standards: EN 1991 – Eurocode 1, EN 1999 – Eurocode 9, EN 17879.



The great versatility of the Varitower 3-30 base is used in this portal to build the tower with QX30SA truss, specifically designed for motorised load lifting. The adjustable ground contact feet add further flexibility, making it particularly suitable for use on uneven surfaces.



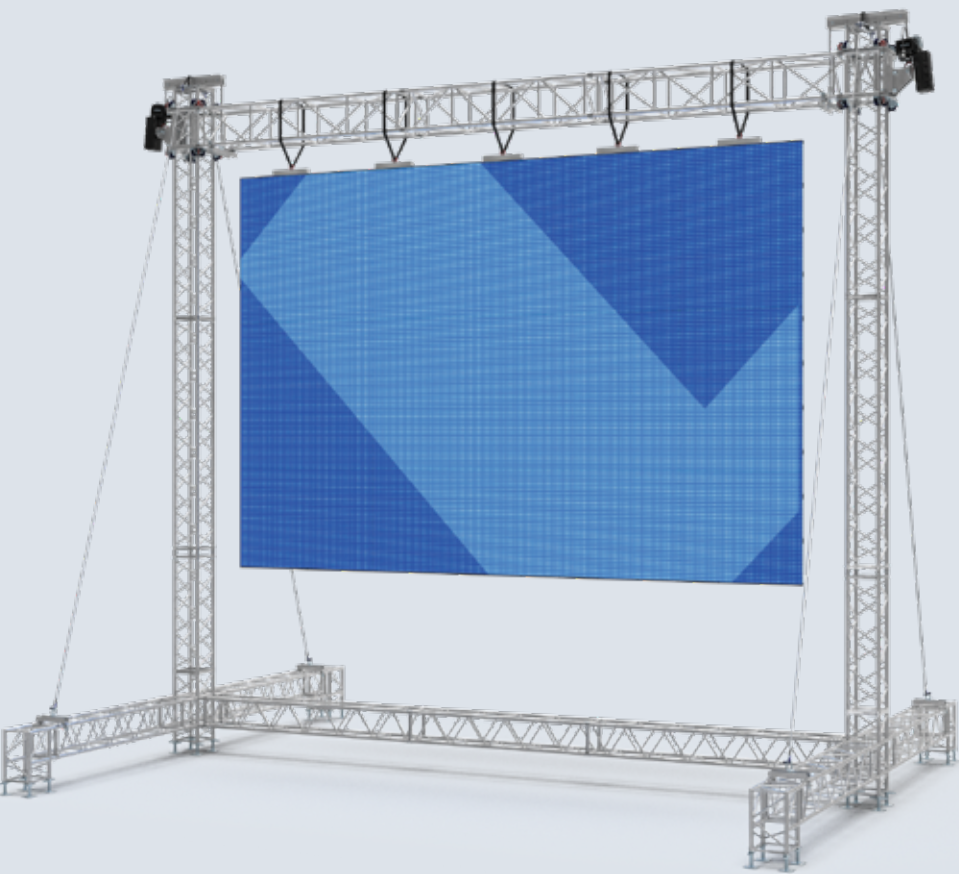
Close-up of the Sleeve Block fitted with the **LT TLU30MS** accessory for proper installation of the electric chain hoist.



The basic configuration includes the **LT QXICU** elbow joint kit, specifically designed to simplify the mounting of tower trusses above the Varitower 3-30.

LED Wall Ground Support

S8-H7-QL52A



Portal system based on a modular structure.

Stability and versatility define this portal, which features bases, links, and towers in QX40SA, with a span made of QL52A truss.

All ground bases are equipped with 24 adjustable feet, ensuring maximum adaptability even on highly uneven surfaces.

The Sleeve Block is designed for electric chain hoist attachment, and ballast can be added directly on top of the bases.

High load capacity is guaranteed by the Heavy-Duty fork truss QL52A.

LED Wall Ground Support - S8-H7-QL52A

Span	→ 8 m
Height	→ 7 m
Towers	→ QH40SA
Span trusses	→ QL52A

Important Note on Loading Capacity

Warning: Load capacities are not specified in the table, as they depend on various environmental factors and the positioning of the load. We recommend contacting us to verify the correct setup of the structure, including load capacity calculations and the required ballast.

Due to the complex interplay of variables, including screen surface area, wind load, system self-weight, and required screen height - **each installation must be evaluated on a case-by-case basis.** Structural calculations must therefore be performed specifically for each configuration, ensuring the overall construction meets all applicable safety and performance standards.

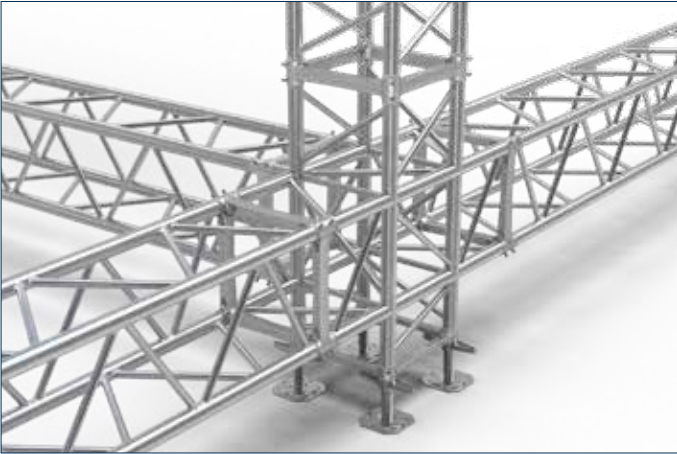
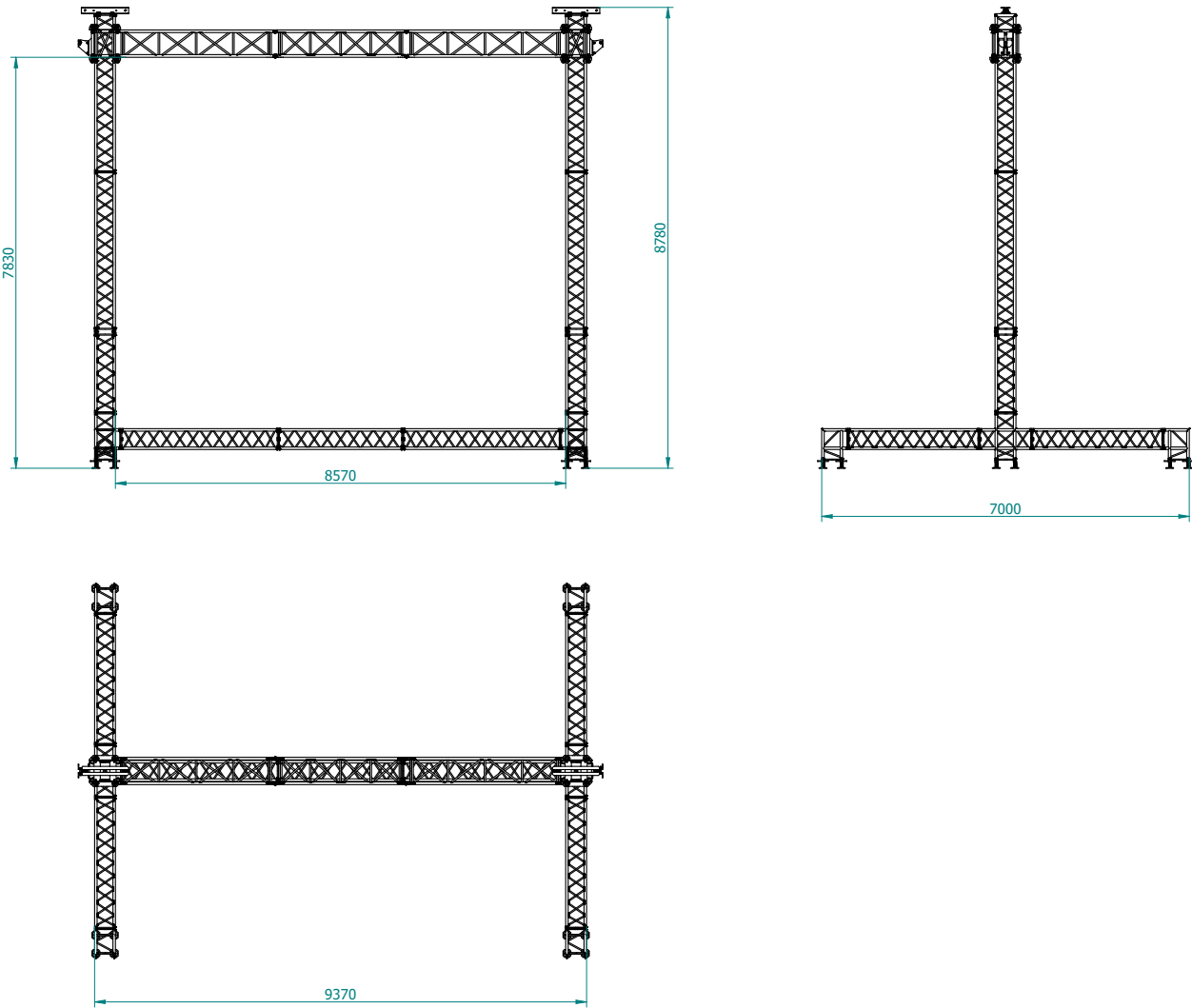
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LED Wall Ground Support - S8-H7-QL52A

This product line has been developed in accordance with the following standards:
 EN 1991 – Eurocode 1, EN 1999 – Eurocode 9, EN 17879.

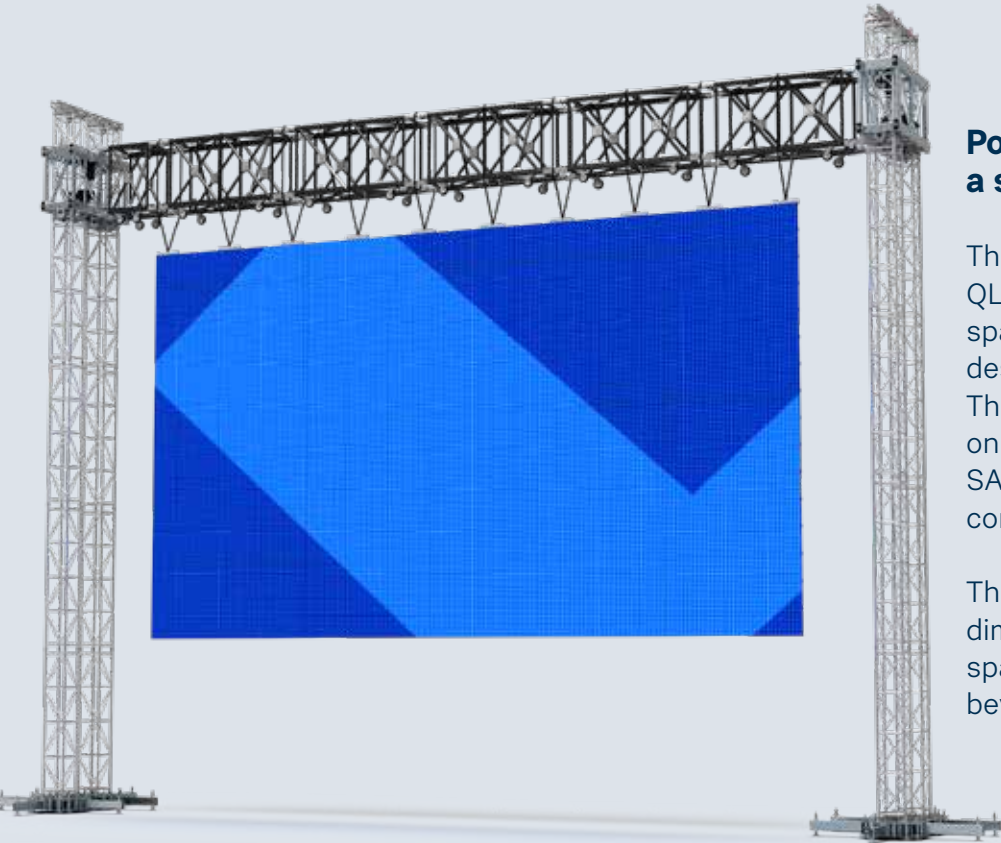


Detail of the base with adjustable feet, showing the intersection of tower, link, and ground support trusses.



Detail of the Sleeve Block with motorised chain hoist. The span truss (QL52A) and the Sleeve Block feature a fork connection to ensure enhanced load capacity.

S17-H12-MyT Steroid



Portal system designed with a special double Sleeve Block

The system combines two paired QL52A towers with a central span made of Myt Steroid truss, designed for high load capacities. The two towers are mounted on separate steel bases (LT SASSL-B045), which are firmly connected to one another.

The structure is generously dimensioned to support heights, spans, and load capacities beyond those listed in the table.

As with the other examples shown on the previous pages, this system in particular must be assessed and dimensioned by our technical team in order to optimise the most suitable solution.

LED Wall Ground Support - **S17-H12-MyT Steroid**

Span	→ 17 m
Height	→ 12 m
Towers	→ Twin QL52A
Span trusses	→ MyT Steroid

Important Note on Loading Capacity

Warning: Load capacities are not specified in the table, as they depend on various environmental factors and the positioning of the load. We recommend contacting us to verify the correct setup of the structure, including load capacity calculations and the required ballast.

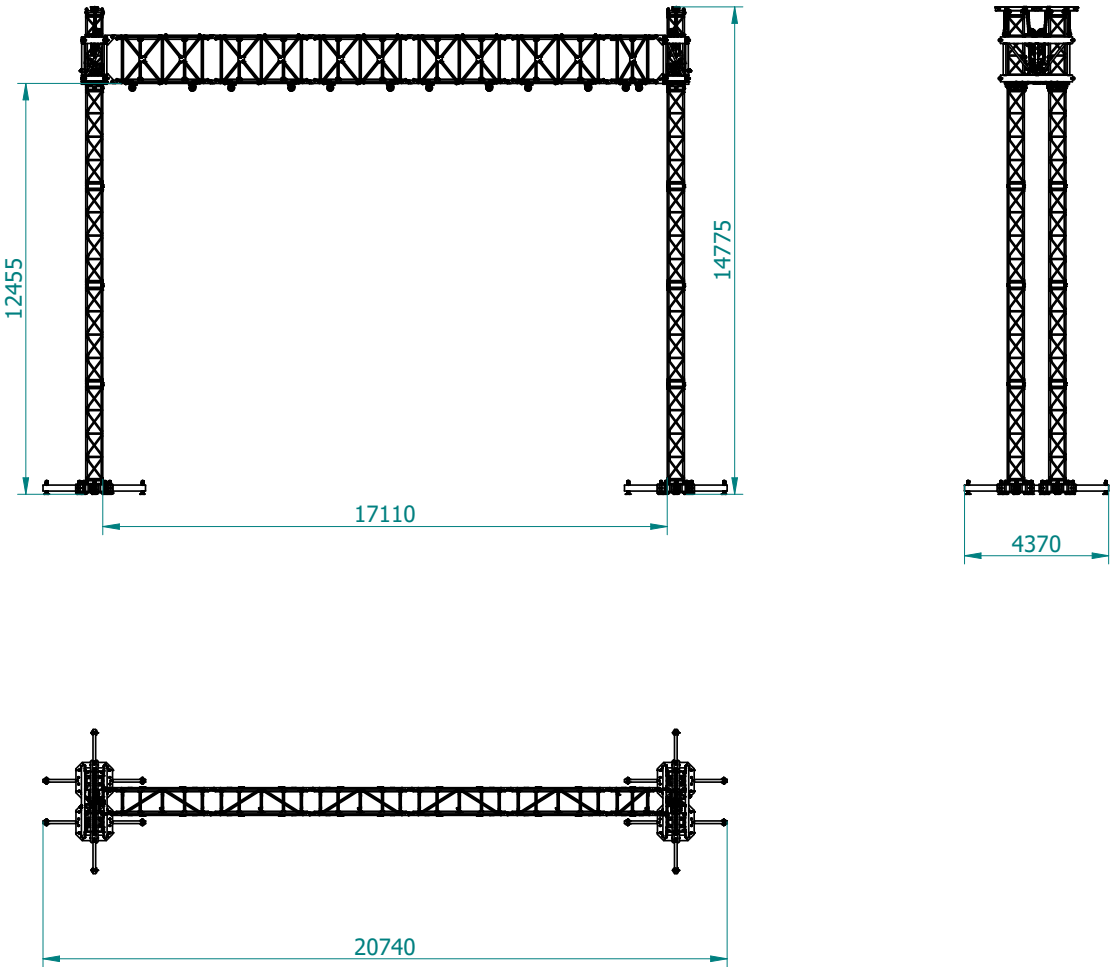
Due to the complex interplay of variables, including screen surface area, wind load, system self-weight, and required screen height - **each installation must be evaluated on a case-by-case basis.** Structural calculations must therefore be performed specifically for each configuration, ensuring the overall construction meets all applicable safety and performance standards.

Disclaimer

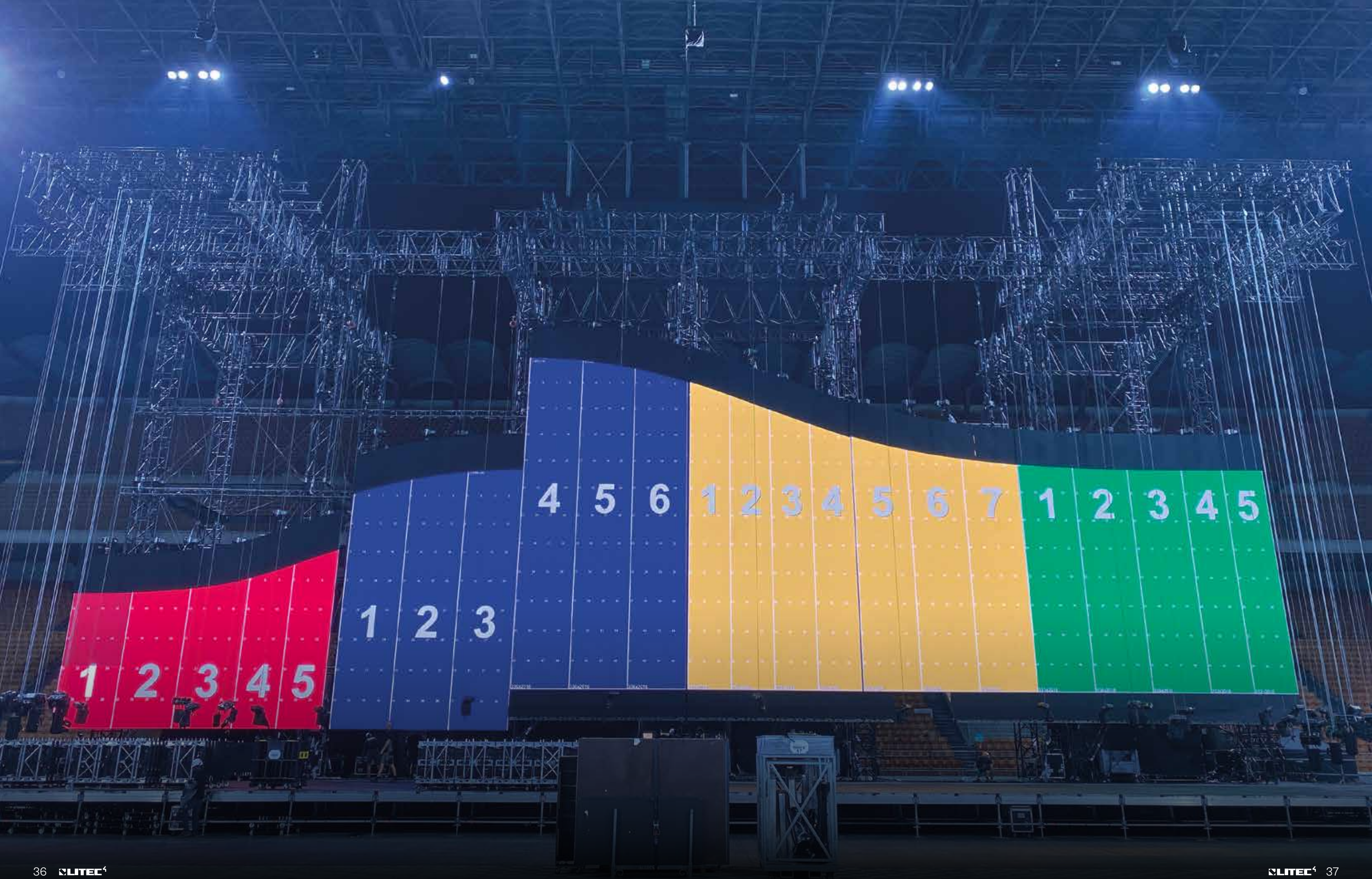
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This product line has been developed in accordance with the following standards:
EN 1991 – Eurocode 1, EN 1999 – Eurocode 9, EN 17879.



This innovative solution, featuring a double-tower setup on a dual steel bases (**SASSL-B045**) and a single steel Sleeve Block (**SASSL-B847**), enhances the overall stability of the structure and ensures better weight distribution on the ground. Each tower is equipped with a dedicated top section designed for the simultaneous use of two electric chain hoists, enabling high-capacity lifting operations





FLYINTOWERS AND SPOT TOWERS

Flyintowers & Follow Spot Tower

Stable sound reinforcement.

Complementing the Trussing products, PA Towers reflect LITEC’s constructive concepts: linear forms and modular systems. Flyintowers, like the rest of LITEC’s product line, are the result of years of experience in design and technology.

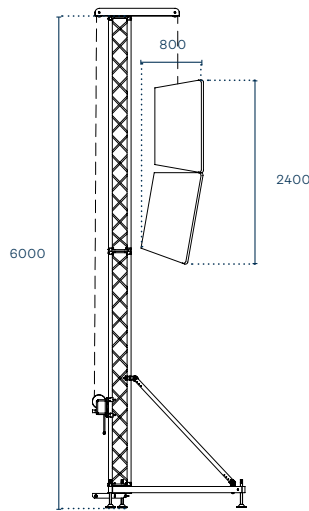
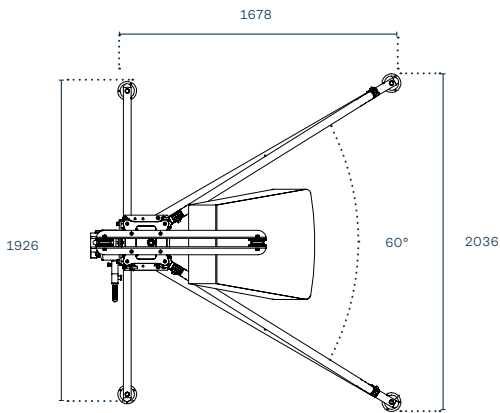
Flyintower 6-300	2
Flyintower 7.5-500 & 9.5-600	4
Flyintower 7.5-750 & 9.5-900	6
Flyintower 10-1,600	8
Flyintower 13-1,400	10
Flyintower 13-2,000	12
Flyintower 15-2,000	14
Flyintower 16-2,000	16

Flyintower 6-300



Support tower for audio systems. It is an entry-level lifter for audio support based on QX30SA trusses, suitable for loads of up to 300 kg. One of the main features is its compactness, which is particularly significant when dismantled. Only 0.4 m3 in volume, small enough to fit entirely into a flight case. The system is provided with manual hoist.

Maximum tower height	→ 6 m
Weight	→ 70 kg
Vertical main truss	→ QX30SA 300
Base and top module dimensions	→ 40 x 40 x 240 cm
Base and top volume	→ 0.4 m³
Adjustable legs	→ 4
Maximum surface exposed to wind	→ 2.5 m²
Maximum lifting load capacity	→ 300 kg



Surface of suspended mass exposed to the wind

m²	P = 1 kN wind f. 6	P = 1,5 kN wind f. 6	P = 2 kN wind f. 6	P = 2,5 kN wind f. 6	P = 3 kN wind f. 6
0	1.00	1.00	1.00	1.14	1.29
0.25	1.29	1.44	1.60	1.75	1.90
0.5	1.90	2.05	2.20	2.35	2.51
0.75	2.51	2.66	2.81	2.96	3.11
1	3.12	3.27	3.42	3.57	3.72
1.25	3.72	3.87	4.03	4.18	4.33
1.5	4.33	4.48	4.63	4.78	-
1.75	4.94	5.09	5.24	1.00	-
2	5.55	5.70	1.00	1.00	-
2.25	6.15	1.00	1.00	1.00	-
2.5	1.00	1.00	1.00	1.00	-

Flyintower 6-300

High winds:

Instructions for outdoor use
Wind speed up to 13.8 m/s (force 6)

This product may only be within the following limits:

- Maximum hanging load: 300 kg
- Surface exposed to wind: < 2.5 m²
- A ballast weight > 433 Kg must be applied to the tower

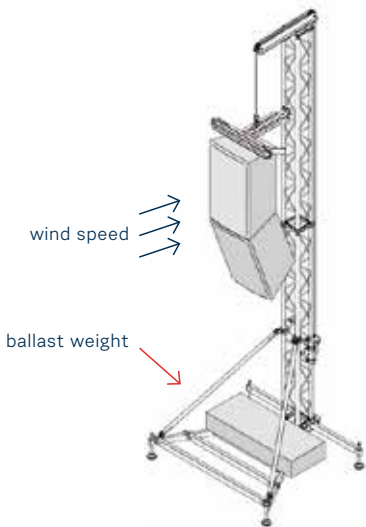
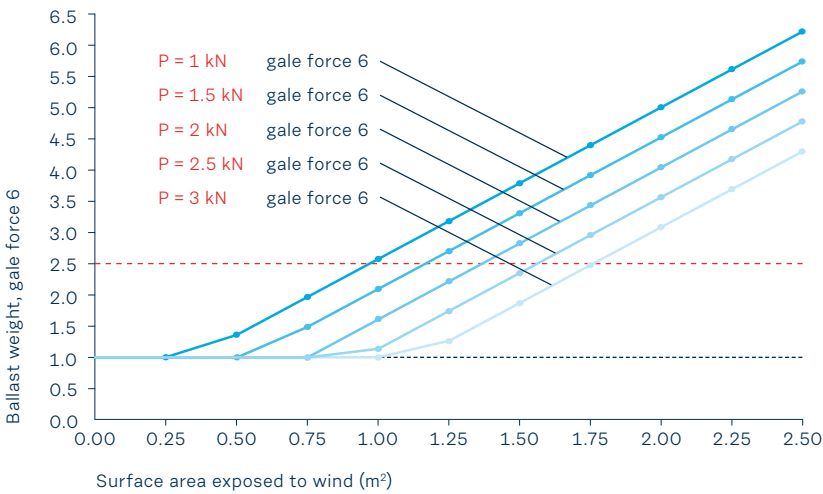
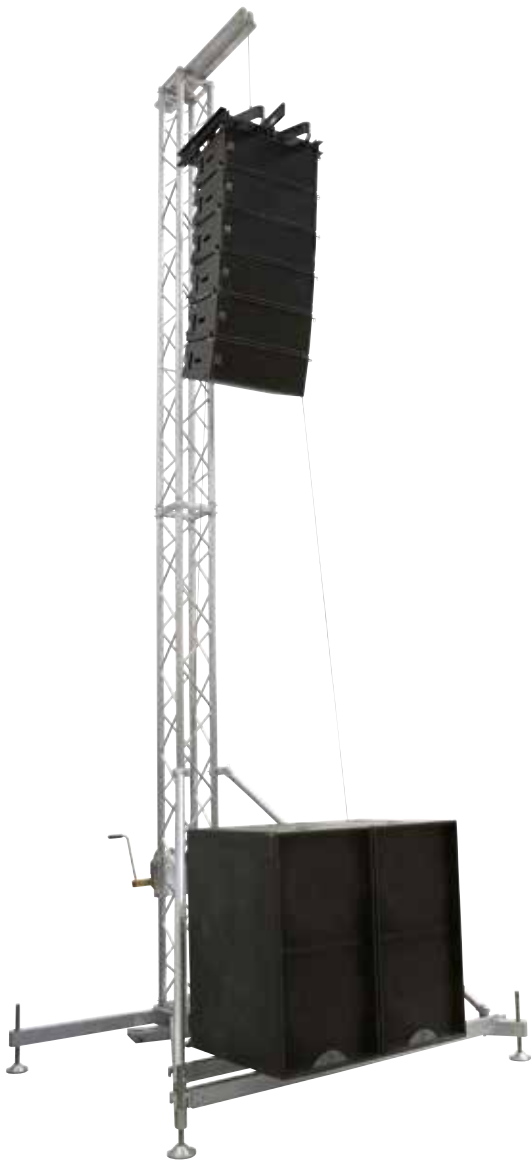
Instructions for outdoor use
Wind speed between 13.8 m/s (force 6) and 20.7 m/s (force 8)

The tower may remain installed only if the following conditions are met:

- Hanging load must be removed
- A ballast weight > 250 kg must be applied to the tower

Instructions for indoor use:

- The tower may be used with hanging loads up to 400 kg and with a ballast weight > 100 kg.



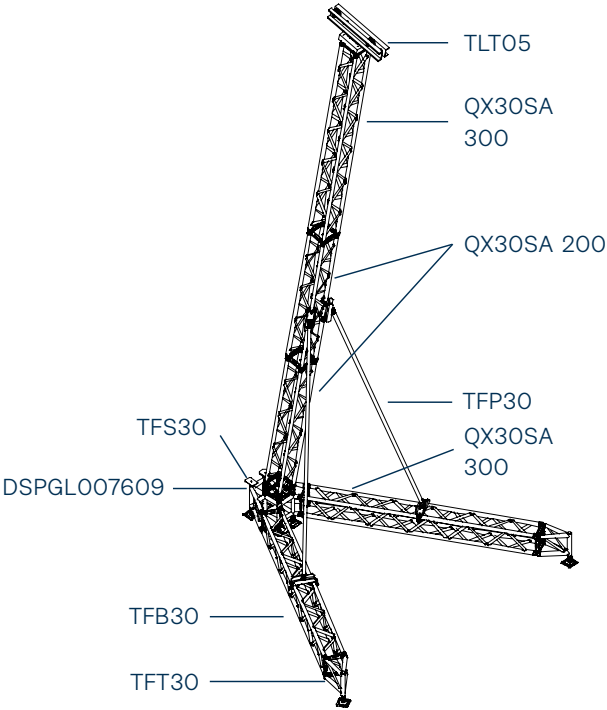
Flyintower 7.5-500 & 9.5-600



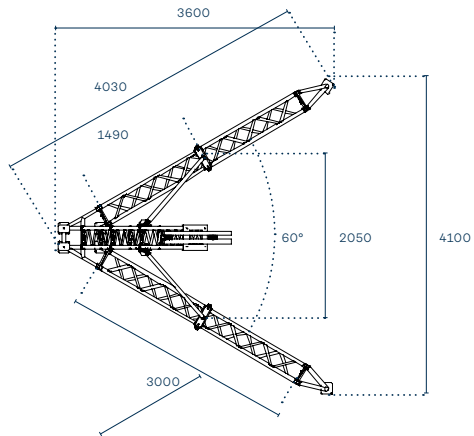
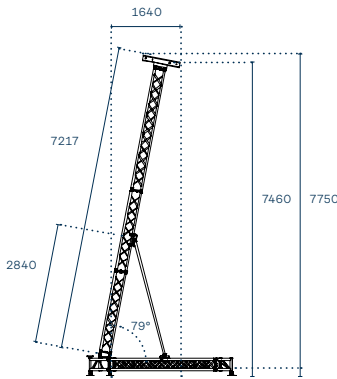
Support Tower for audio systems consisting of a QX30SA structure, suitable for lifting loads of up to 600 kg to a height of 9.5 metres.
To lift the loads, anchoring is provided for an electric chain hoist. Alternatively they may be lifted manually by adding a cable winch device.

Flyintower	7.5-500	9.5-600
Maximum tower height	→ 7.5 m	→ 9.5 m
Weight	→ 160 kg	→ 225 kg
Maximum surface area of loudspeakers	→ 2.5 m² front 2.0 m² back	→ 2.5 m² front 2.0 m² back
Maximum wind speed	→ 70 km/h	→ 70 km/h
Required ballast weight	→ 170 kg	→ 130 kg
Maximum lifting load capacity	→ 500 kg	→ 600 kg

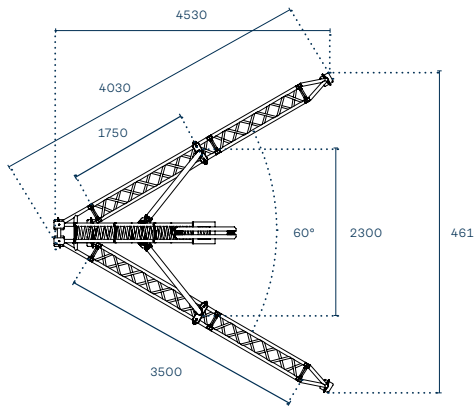
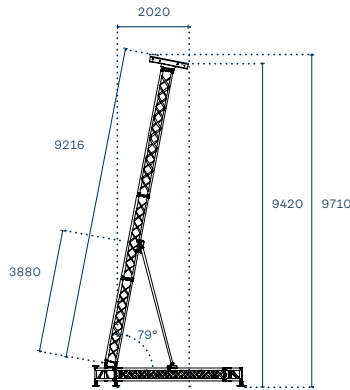
Flyintower	7.5-500	9.5-600
Base	→ TFB / 1	→ TFB / 1
Tower truss	→ QX30SA 300/1 QX30SA 200/2 QH30SA 300/3	→
Base truss	→ QX30SA 300/2	→ QH30SA 300/2
Diagonals	→ TFP30 / 2	→ TFP40 / 2
Base ends / terminals	→ TFT30 / 2	→ TFT30 / 2
Top	→ TLT05 / 1	→ TLT05 / 1
Connection system	→ QXFC	→ QXFC



Flyintower 7.5-500



Flyintower 9.5-600

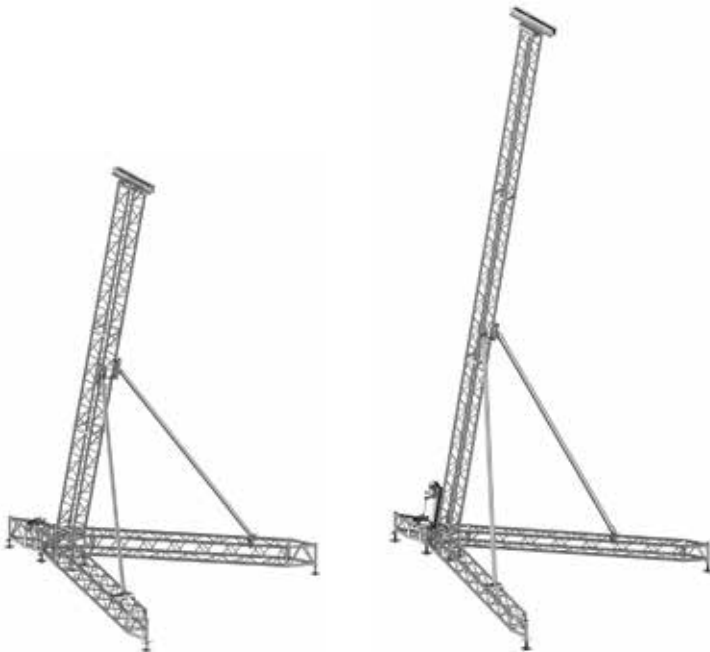


Flyintower 7.5-750 & 9.5-900

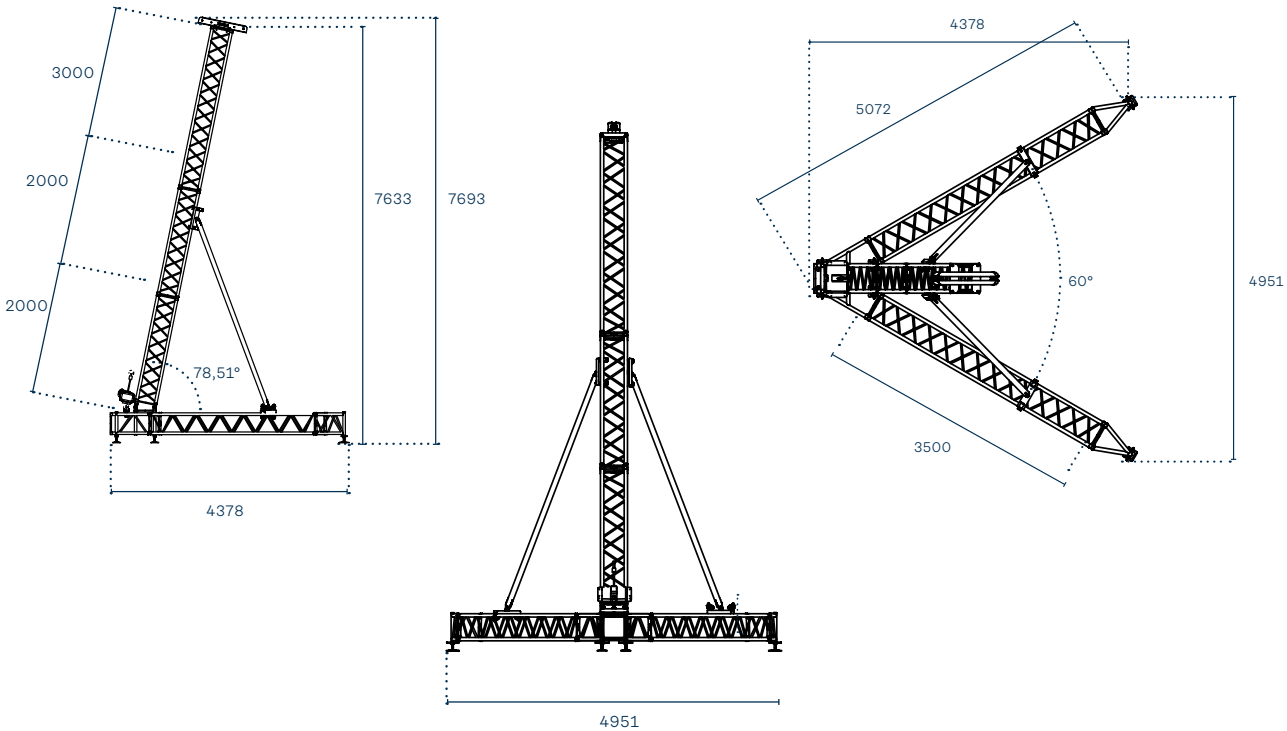


Support Tower for audio systems consisting of a QX40SA structure, suitable for lifting loads of up to 750 kg to a height of 7.5 metres or a QH40SA structure, suitable for lifting loads of up to 900 kg to a height of 9.5 metres. To lift the loads, anchoring is provided for an electric chain hoist.

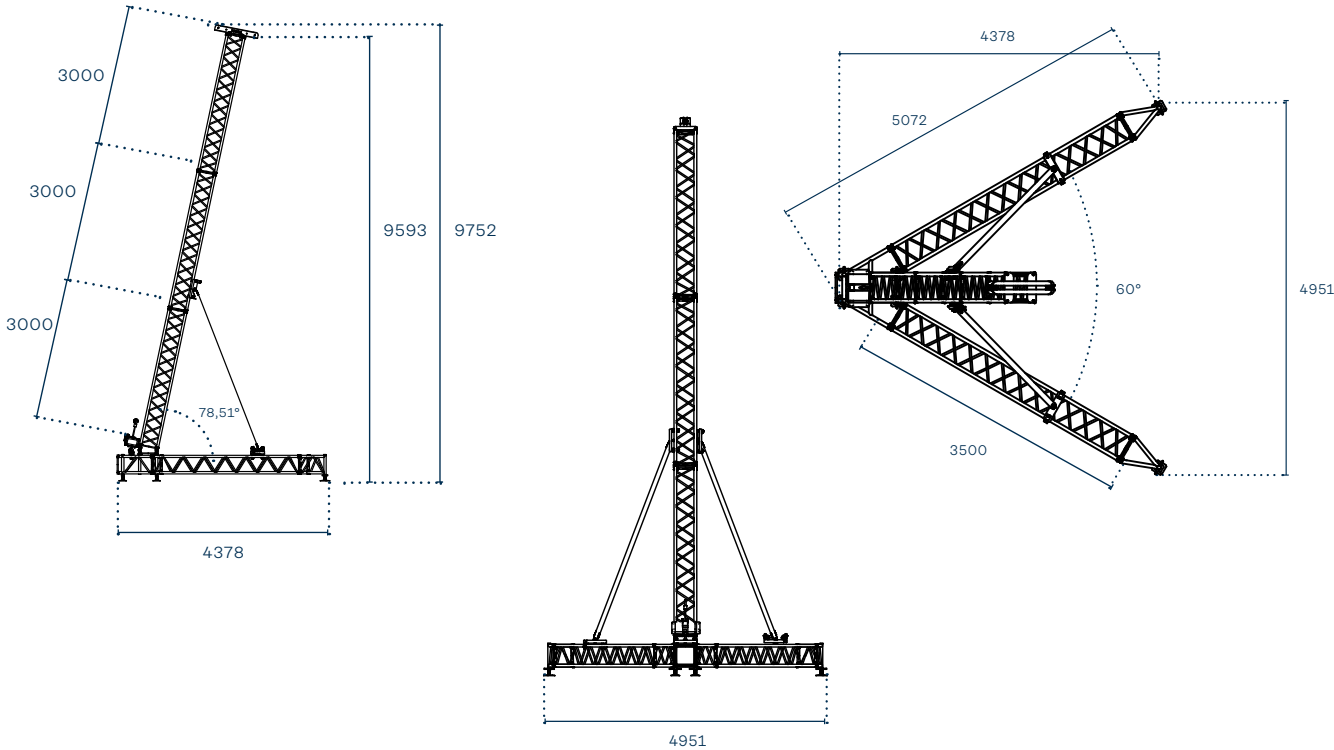
Flyintower	7.5-750	9.5-900
Maximum tower height	→ 7.5 m	→ 9.5 m
Weight	→ 220 kg	→ 255 kg
Maximum lifting load capacity	→ 750 kg	→ 900 kg



Flyintower 7.5-750



Flyintower 9.5-900

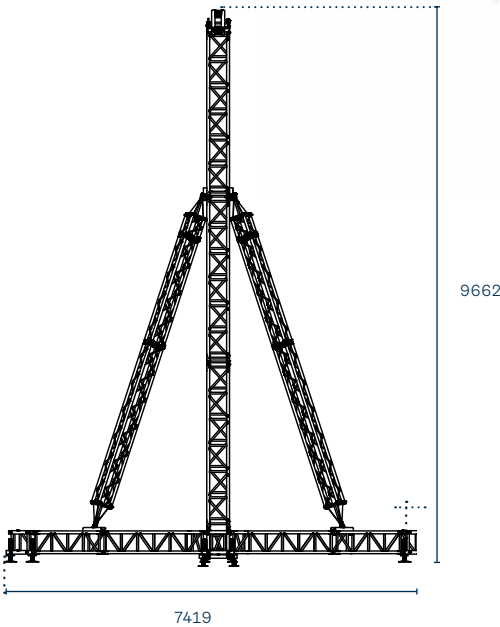
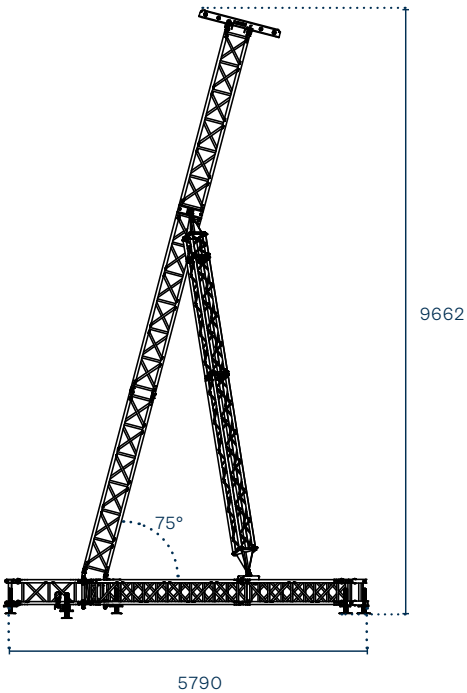
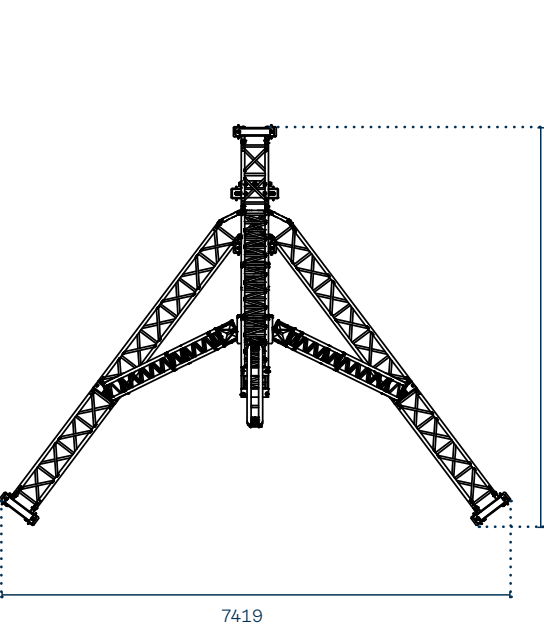
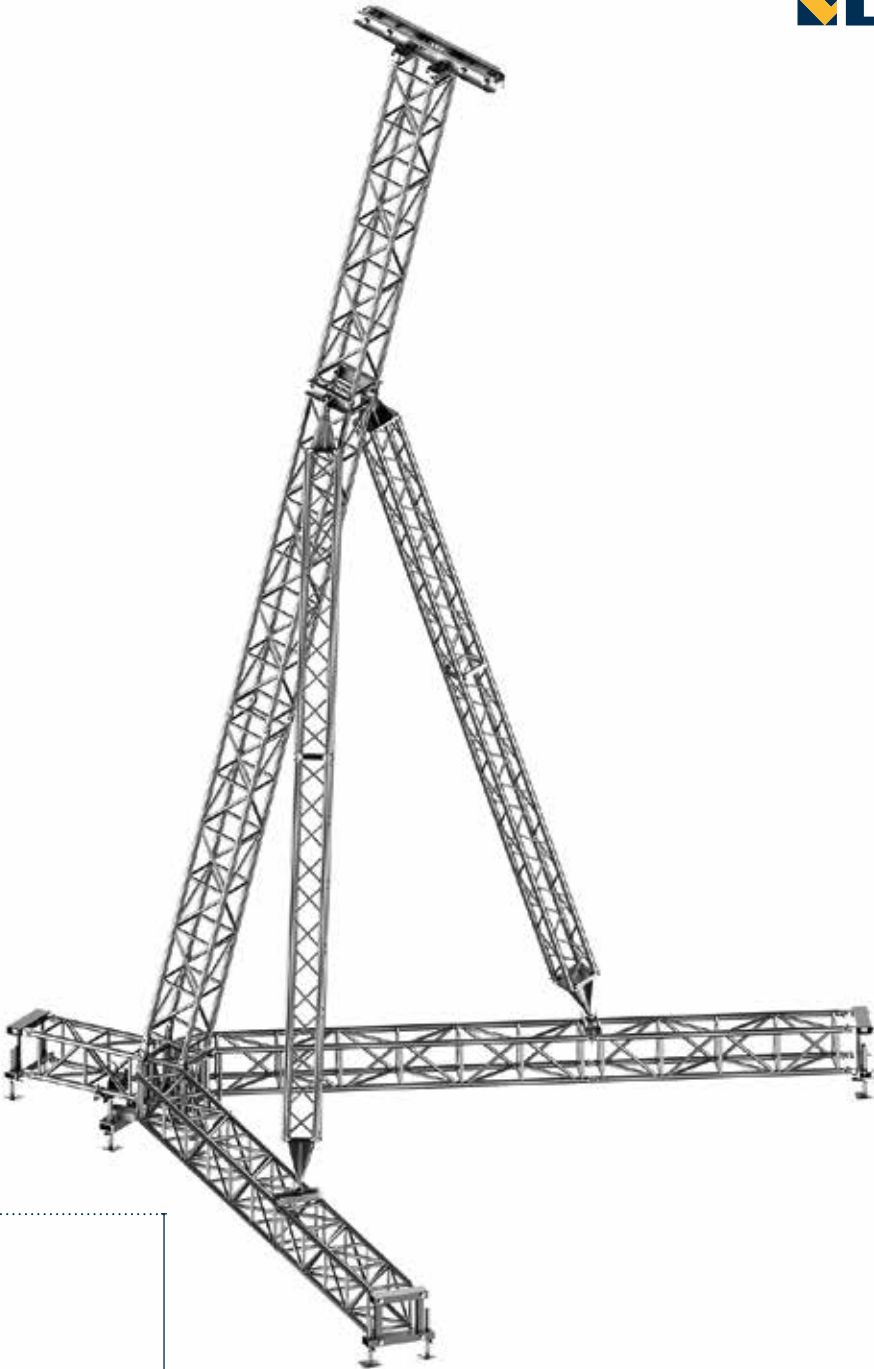


Flyintower 10-1,600



Support tower for for audio systems.
Designed in QL40A, this new Flyintower is suitable for 1,600 kg loads and can reach the height of 10 meters, thus ensuring sturdiness and rigidity on relevant heights. It also utilized QH30SA trusses as stabilizing elements and is equipped with fork connections.

Maximum tower height	→ 10 m
Vertical main truss	→ QL40A
Base dimensions	→ 580 x 750 cm
Maximum lifting load capacity	→ 1,600 kg
Guy ropest	→ not needed

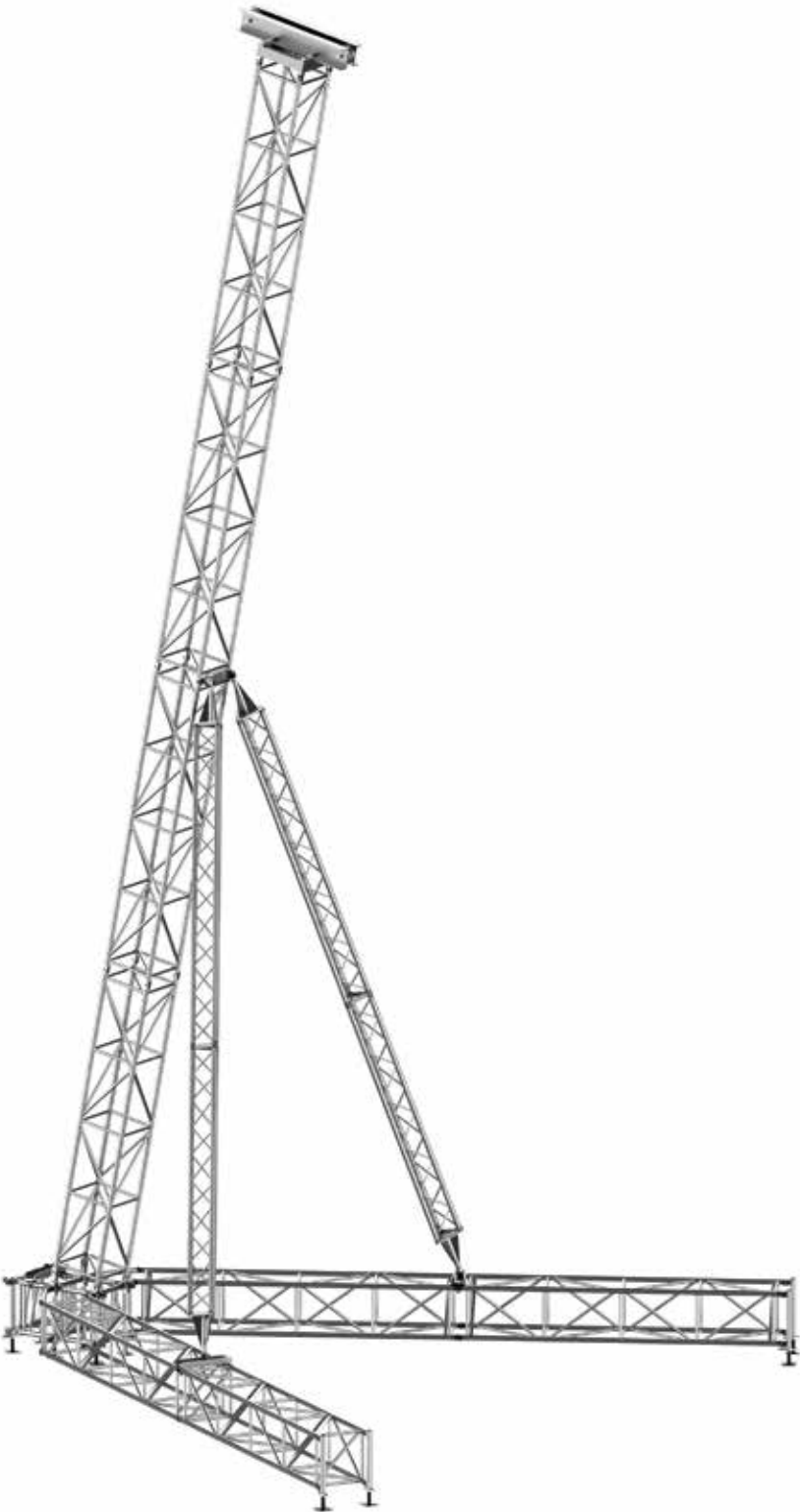
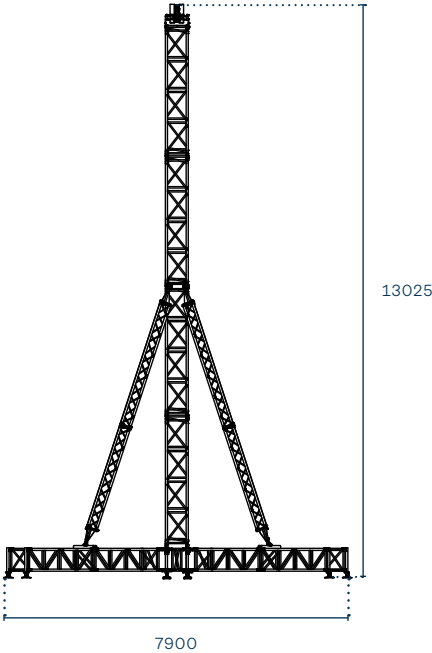
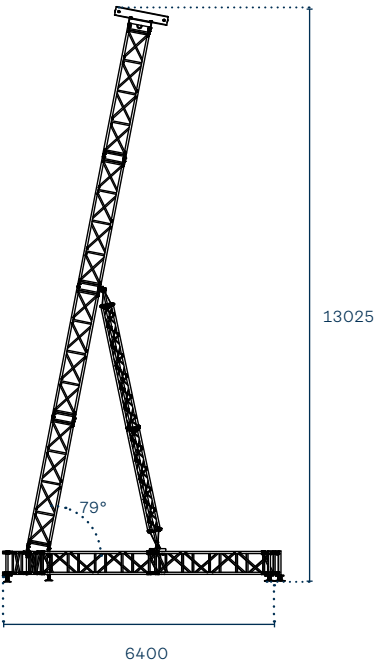
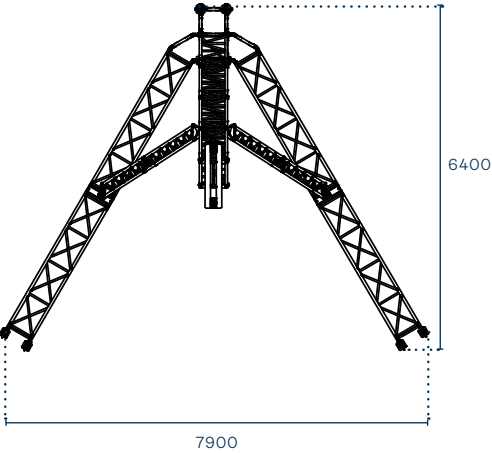


Flyintower 13-1,400



Support tower for for audio systems.
Designed in QL52A, this new Flyintower is suitable for 1,400 kg loads and can reach the height of 13 meters, thus ensuring sturdiness and rigidity on relevant heights. It also utilized TX30SA trusses as stabilizing elements and is equipped with fork connections.

Maximum tower height	→ 13 m
Vertical main truss	→ QL52A
Base dimensions	→ 640 x 790 cm
Maximum lifting load capacity	→ 1,400 kg
Guy ropes	→ not needed

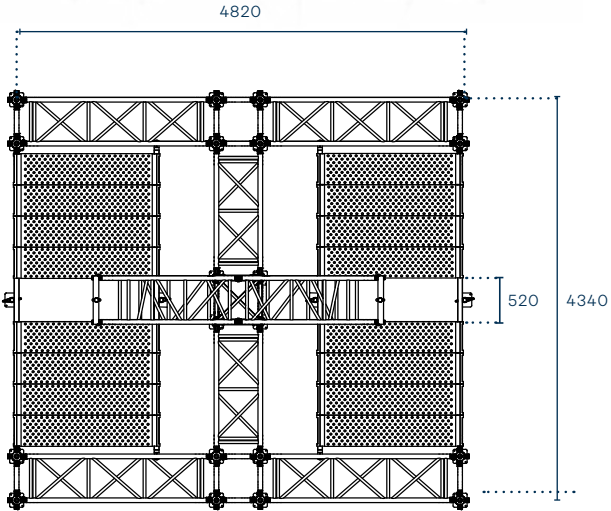
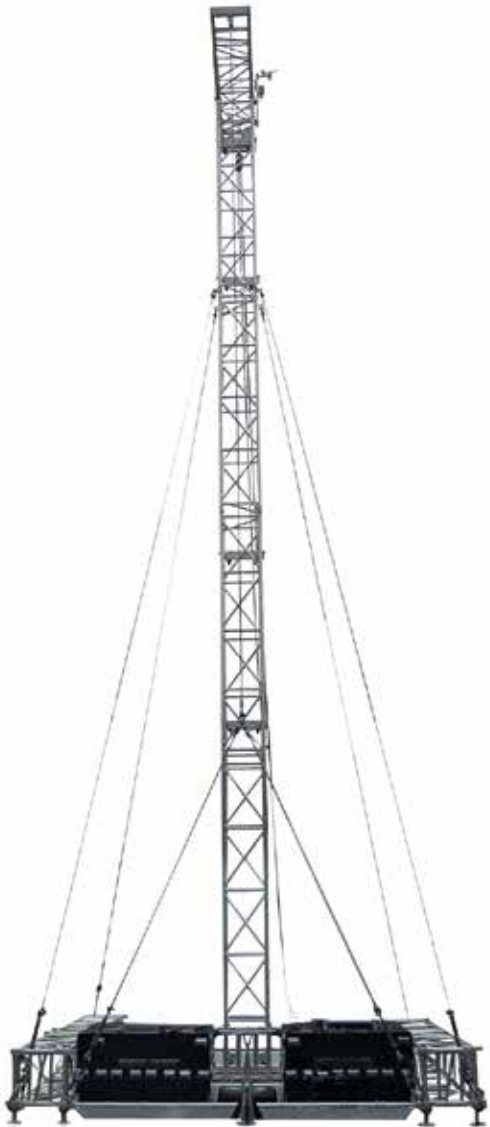
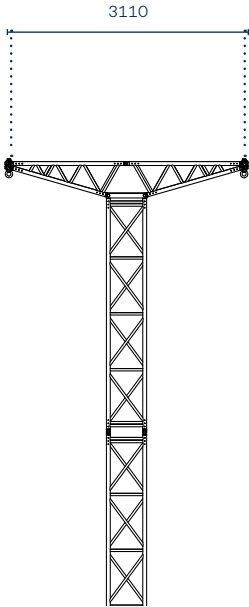
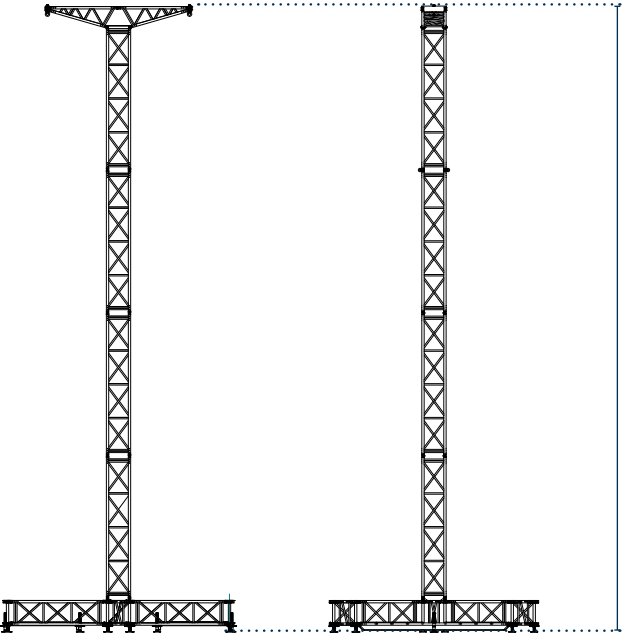


Flyintower 13-2,000



Vertical audio system support tower.
It consists of QL52A structures and is suitable for lifting loads of up to 2500 kg to a height of 13 metres.
The electric chain hoist is fitted directly to the top truss structure.
A lifting system is available for raising the tower.

Maximum tower height	→ 13 m
Vertical main truss	→ QL52A
Base dimensions	→ 475 x 429 cm
Maximum lifting load capacity	→ 2,000 kg



Flyintower 13-2,000

Made mostly of elements of QL52A and FL52 series, Flyintower 13-2,000 can lift loads up to 12 m in height, quickly and easily.
These features characterize the fork connection system of the whole High Load series.

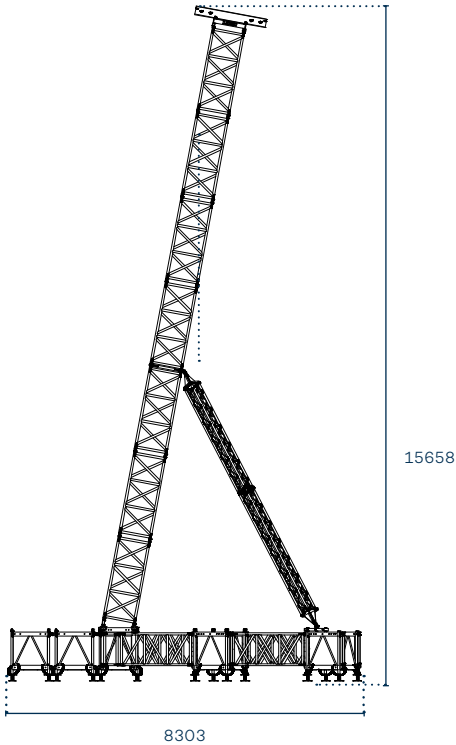
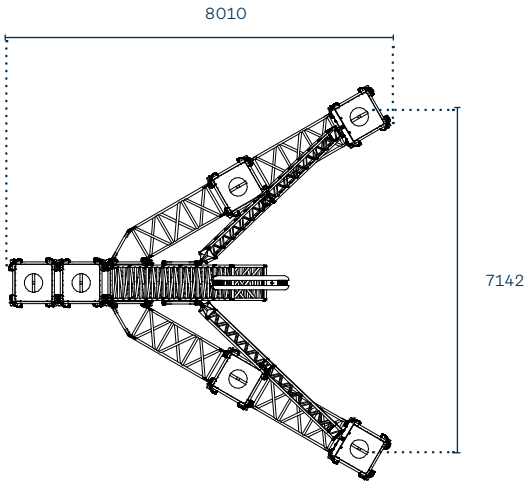
The Flyintower 13-2,000 has been studied so that it can be built using materials standard to the High Load series with only a few special elements added.
It can be assembled quickly, and occupies little floor space. Maximum load 200 kg.

Flyintower 15-2,000



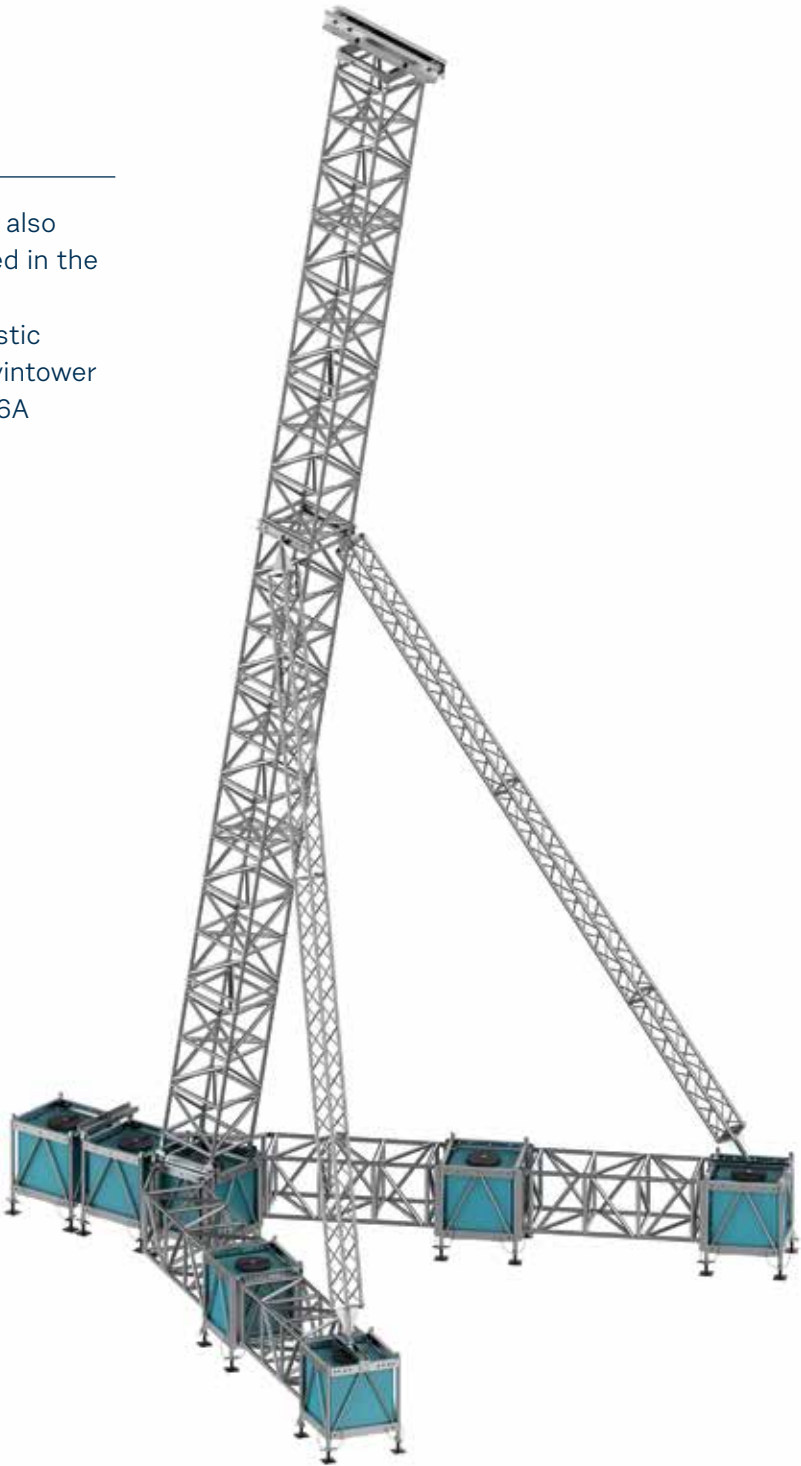
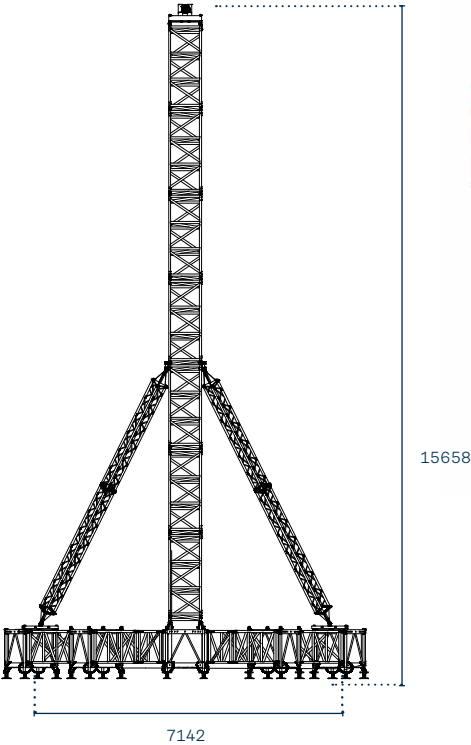
Support Tower for audio systems.
Designed in QL76A, this new Flyintower is suitable for 2,000 kg loads and can reach the height of 15 meters, thus ensuring sturdiness and rigidity on relevant heights. It also utilizes QH30SA trusses as stabilizing elements and is equipped with fork connections.

Maximum tower height	→ 15 m
Vertical main truss	→ QL76A
Base dimensions	→ 830 x 801 cm
Maximum lifting load capacity	→ 2,000 kg



Flyintower 15-2,000

In the concept of the new Flyintower are also included water ballasts, already integrated in the system.
They consist of aluminium cages and plastic tanks to be filled with water. The new Flyintower allows you to use your own stock of QL76A trusses.

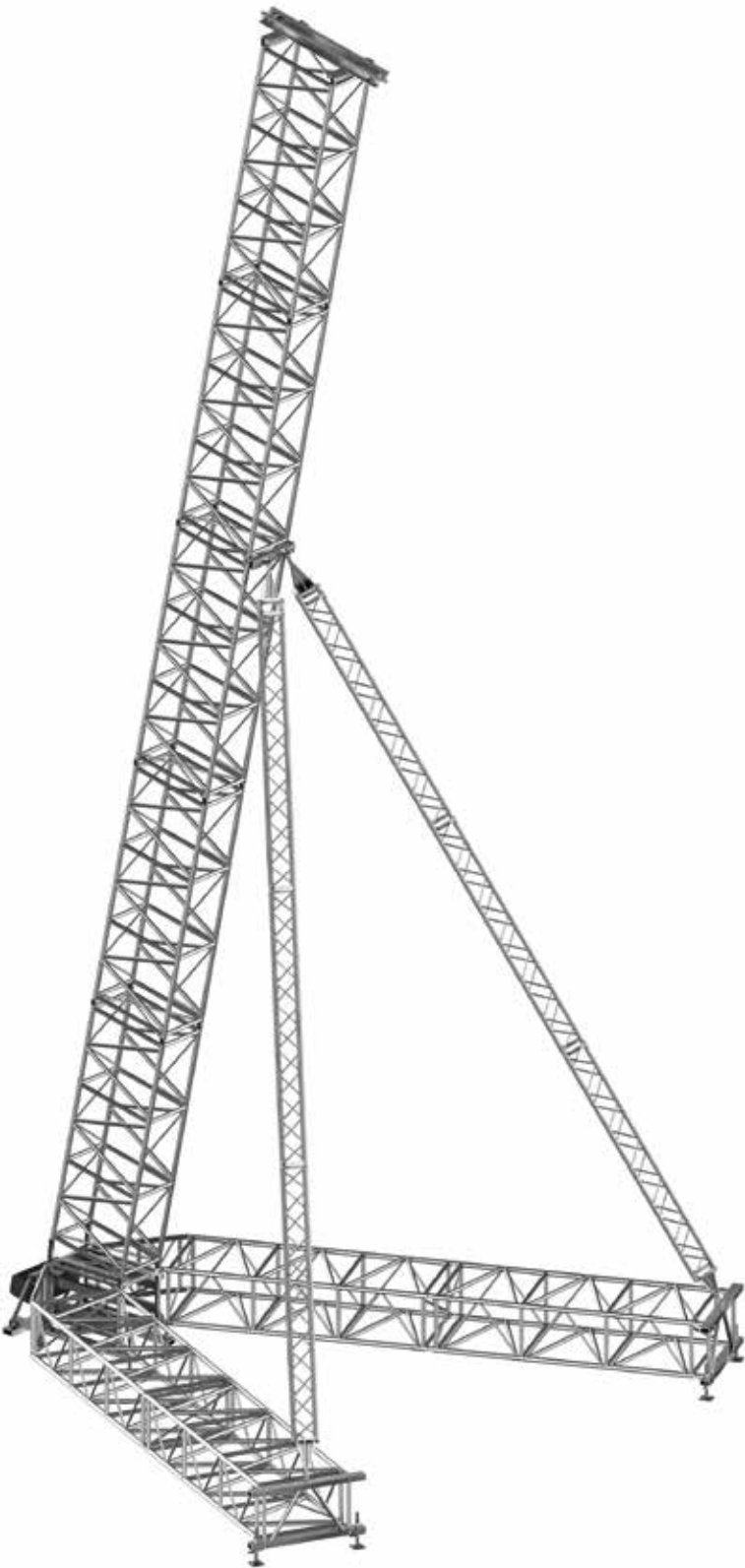
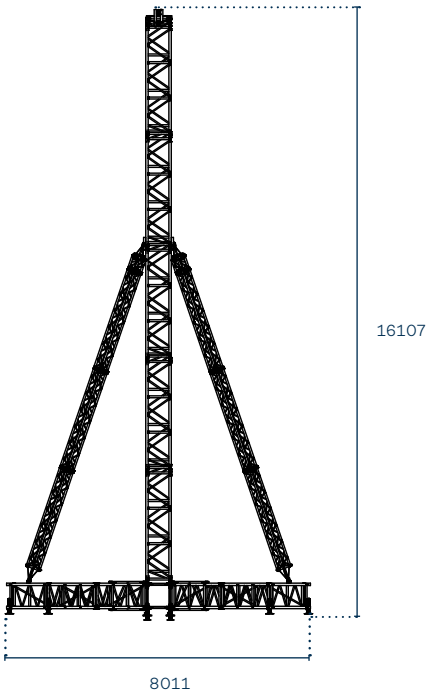
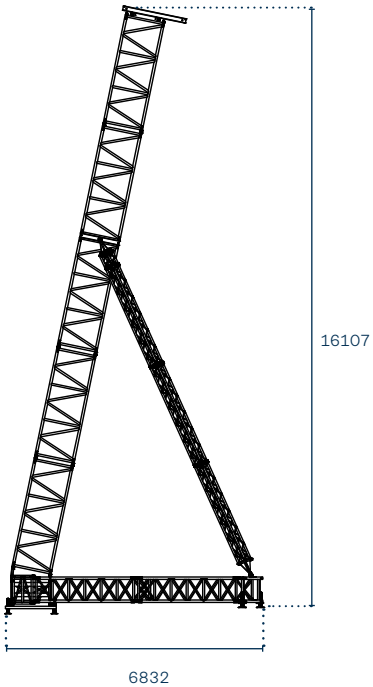
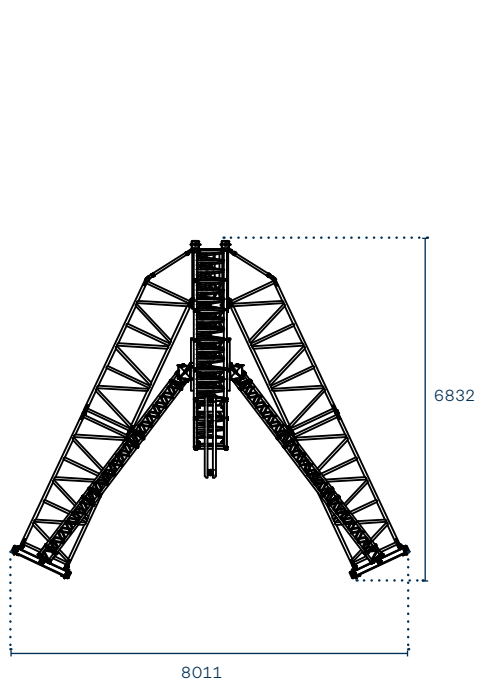


Flyintower 16-2,000



Support tower for for audio systems. Designed in RL105A, this new Flyintower is suitable for 2,000 kg loads and can reach the height of 16 meters, thus ensuring sturdiness and rigidity on relevant heights. It also utilized QH30SA trusses as stabilizing elements and is equipped with fork connections.

Maximum tower height	→ 16 m
Vertical main truss	→ RL105A
Base dimensions	→ 680 x 800 cm
Maximum lifting load capacity	→ 2,000 kg
Guy ropes	→ not needed



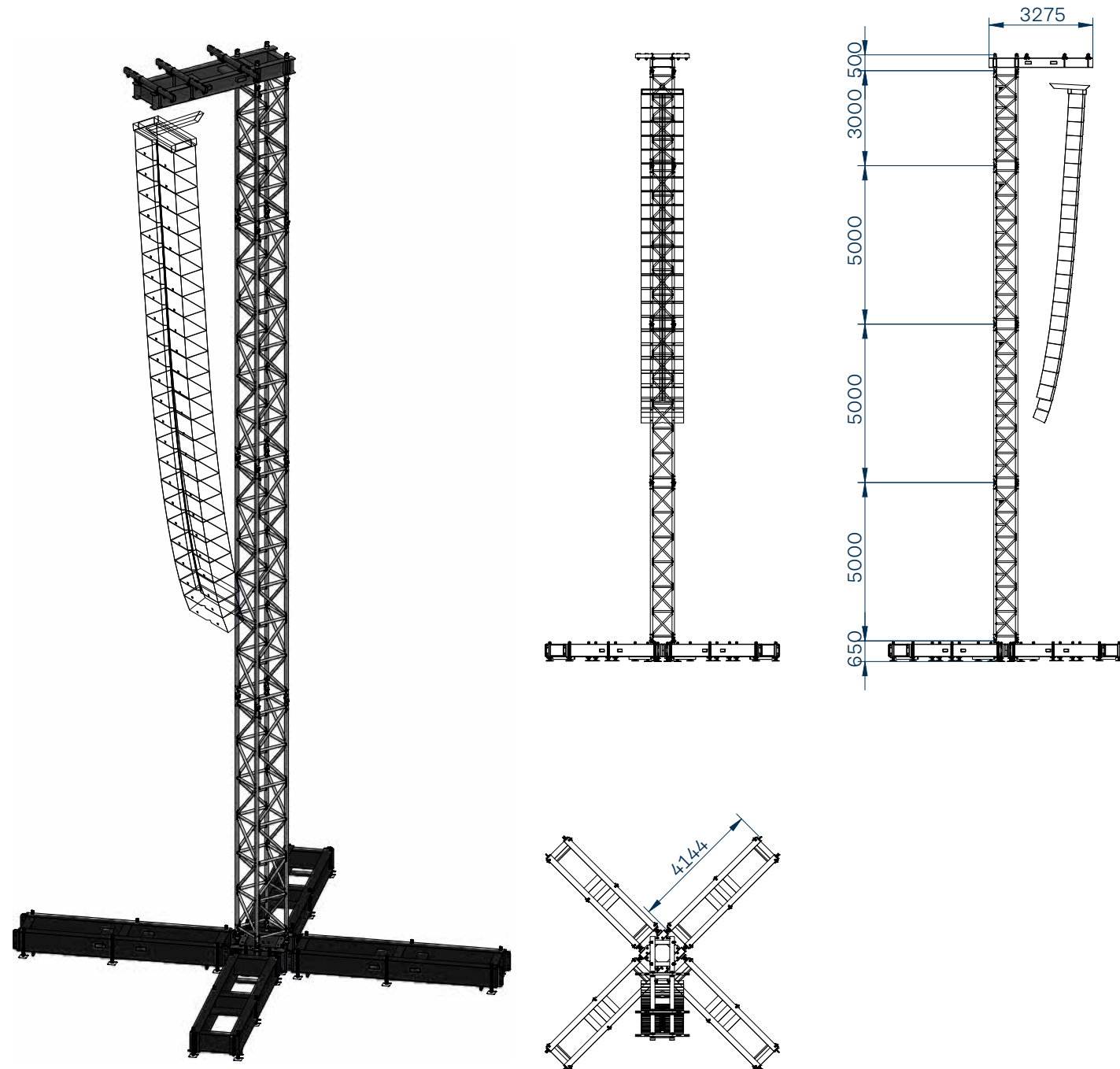
HiPe Steel Delay & Spot Towers

High Performance Steel Solutions

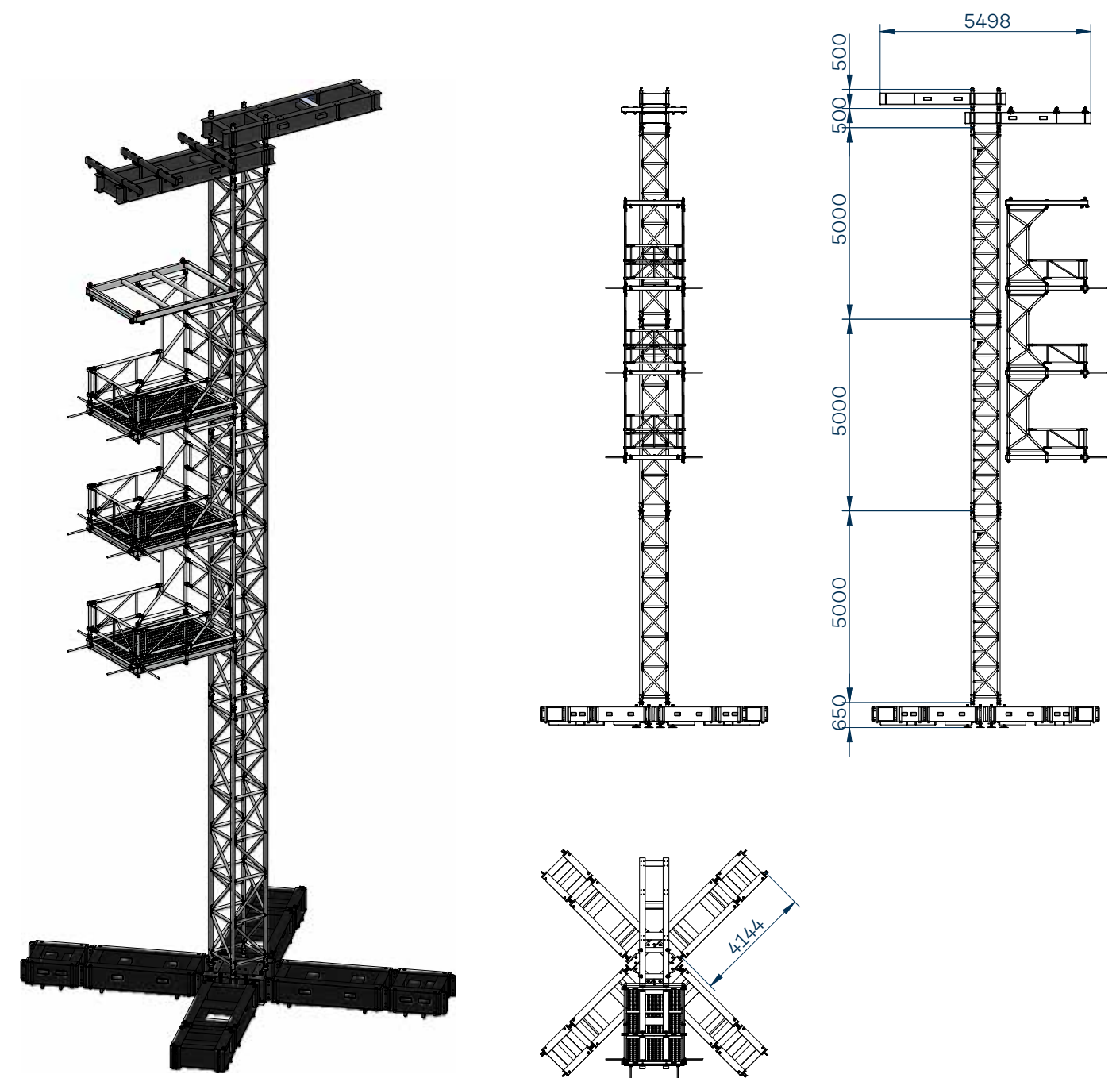
Steel delay towers that can also become Follow Spot towers with the addition of a second top. The new HiPE 76Q truss, made of special S700 steel and mounted on its own steel bases, allows for high loads, with stability and safety guarantees far superior to previous aluminum systems. Particularly when significant heights and spans need to be achieved.

Delay & Spot HiPe Towers	20
Delay & Spot Towers	22
Follow Spot Basket	24

Delay & Spot HiPe Towers



The configuration as a Delay Tower uses a single top. The achievable height is up to approximately 18 meters. Heights exceeding this need to be verified with our technical staff. Please note that adequate ballast is required for the ground bases.

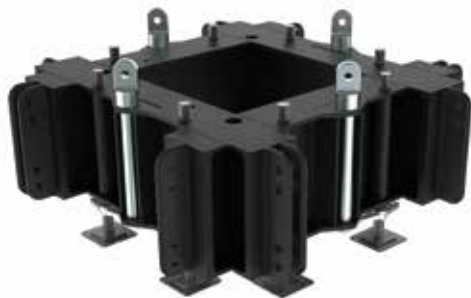
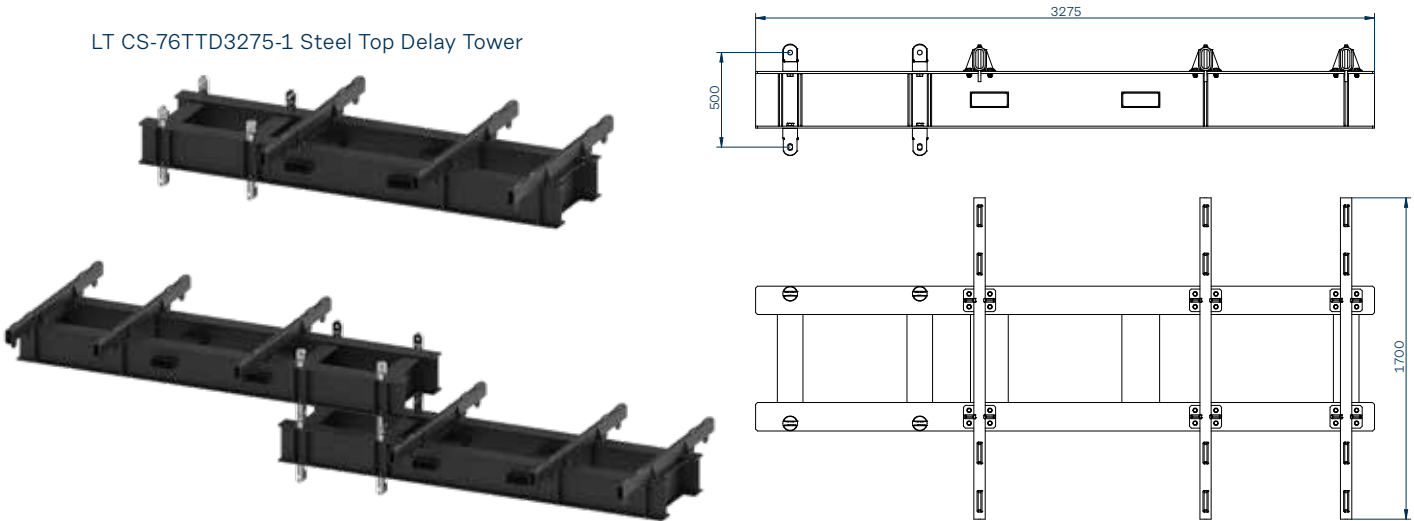


The configuration as a Delay Tower + Follow Spot Basket uses a double top. The achievable height is up to approximately 18 meters. Heights exceeding this need to be verified with our technical staff. Please note that adequate ballast is required for the ground bases.

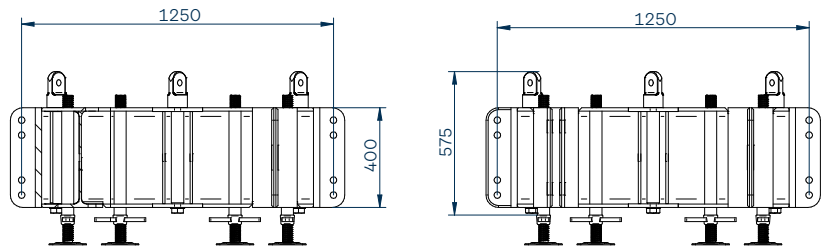
Delay & Spot Towers

The range, many models for various solutions.

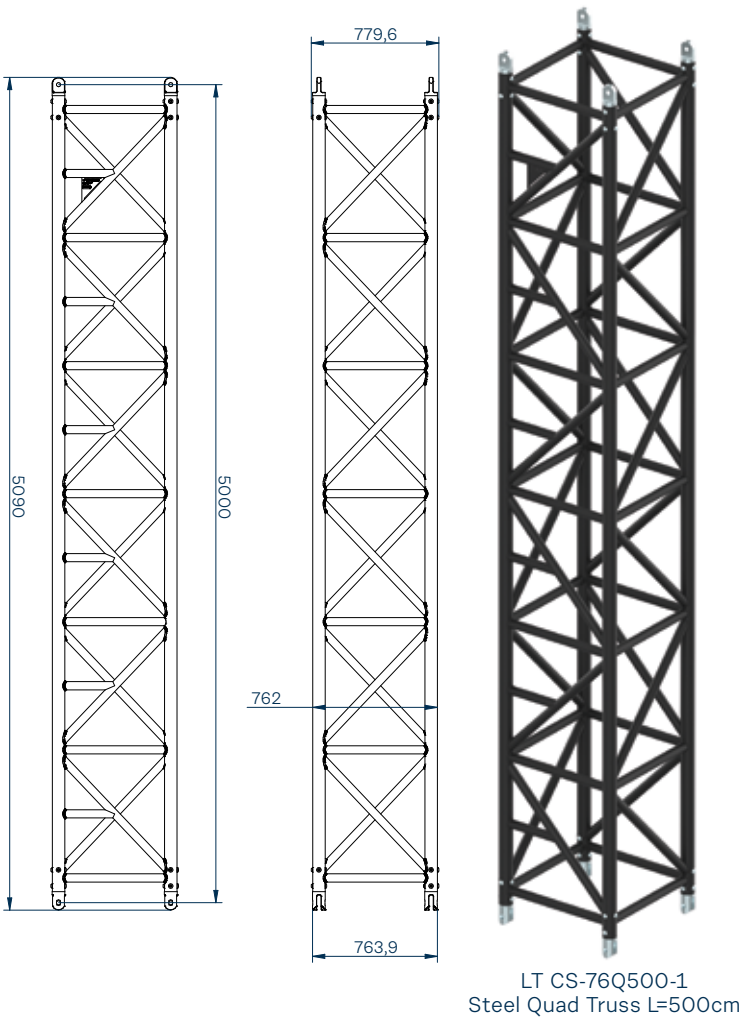
LT CS-76TTD3275-1 Steel Top Delay Tower



Steel Base L=1250mm LT CS-76B-1



The HiPe Q76 tower in special steel requires an adequate system of steel ground bases and robust steel tops. Litec's HiPe range has all the modular elements to meet the needs of your project. Whether you need to create a standalone tower or integrate it later into a Ground Support system.



LT CS-76Q500-1 Steel Quad Truss L=500cm

The HiPe Q76 tower in special steel currently sets a benchmark in the professional world. The structure's design, the quality of materials, and the precise steel fork connection allow for top-notch performance in this product category. It's the result of Litec's research into the hybrid and combined use of state-of-the-art technological materials.



DESIGN SPECIFICATIONS

Self Weight	70 kg/m	Allowable Normal Force	$N_{Rd,truss}$	1507,20 kN
Surface Area	A_{truss} 3624,1 mm ²	Allowable Bending Moments	$M_{yRd,truss}$	516,89 kNm
Moments of Inertia	$I_{y,truss}$ 428614519 mm ⁴		$M_{zRd,truss}$	516,89 kNm
	$I_{z,truss}$ 428614519 mm ⁴	Allowable Transversal Force	$V_{zRd,truss}$	137,85 kN
			$V_{yRd,truss}$	137,85 kN

PERMISSIBLE LOADS COLUMN Condition A

[m]	[kN]
10	820
11	788,1
12	755,2
13	721,4
14	688,5
15	653,7
16	619,8
17	586
18	552,1
19	520,2
20	489,4
21	459,6
22	431,7
23	405,9
24	381,1
25	358,3

Condition A



Condition B



PERMISSIBLE LOADS COLUMN Condition B

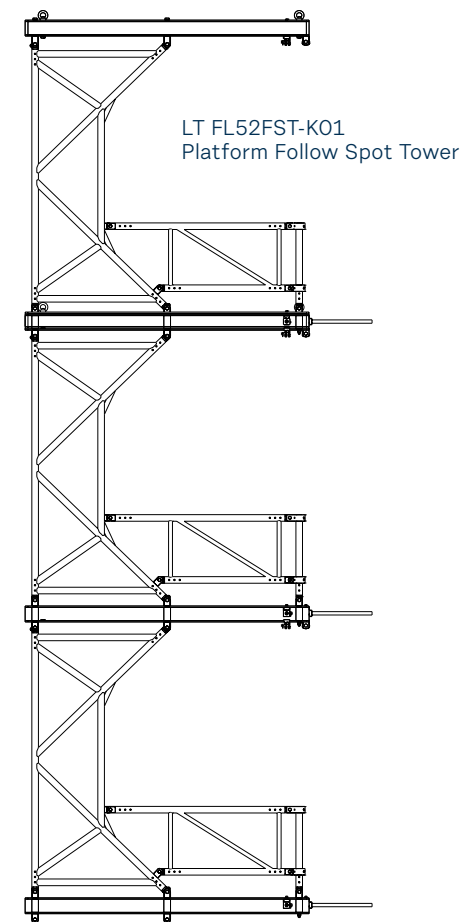
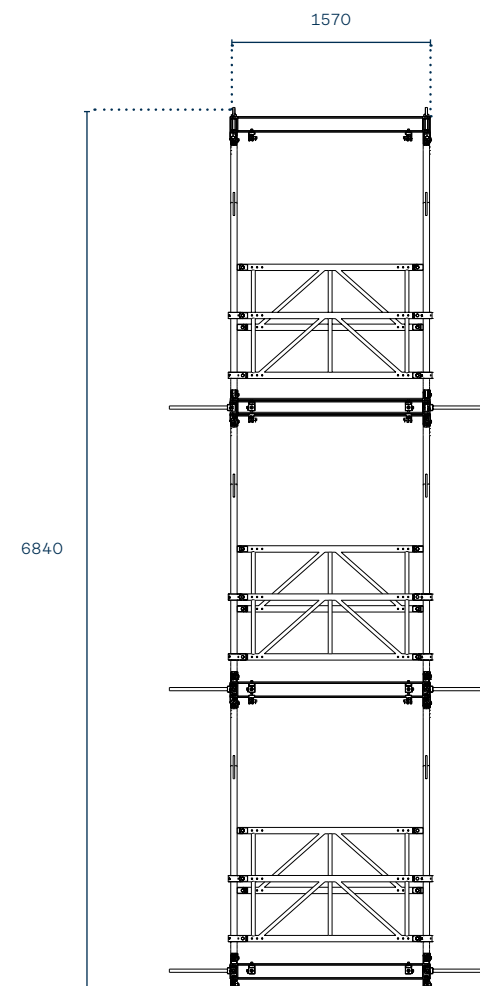
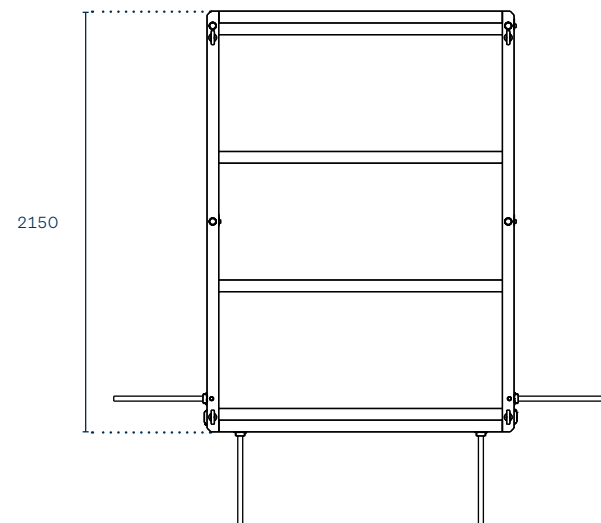
[m]	[kN]
5	744,1
6	660
7	575,9
8	497,8
9	427,8
10	368,8
11	317,9
12	276
13	241,1
14	211,3
15	185,4
16	164,6
17	145,9
18	130,1
19	116,3
20	103,6

Follow Spot Basket



LITEC offers a new system for follow-person during the show. The system provides a platform with a 200x150 cm space to allow the operator to follow the artist during the show. The structure incorporates the concept of LIBERA that reduces transport volume to the maximum.

It is a modular platform to lift an operator for light or camera. It could assemble from 1 to 4 platform. It have four eye-bolt on the top to lift it with chain hoist.







Crowd Barriers

Safety and comfort

Crowd barriers are commonly used at events calling for demarcation or prohibition of access to and from open spaces. LITEC is pleased to present its brand new crowd barriers series. They are made in aluminium, a durable and absolutely environmental friendly material. They are foldable, easy to remove, store, transport and install and disassemble. They distinguish themselves for their high quality, corrosion and aging resistance, offering a combination of optimum safety and comfort for both the audience and rescue personnel.

They are connected one by one, and feature extended footboard to make the barriers more stable as well as an adjustable corner. The slope on front board avoids accidental tripping. Here below you will find the first models. Our engineering staff is designing a complete range of products that will be available soon.

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BARRIERS, CURVES AND CORNERS

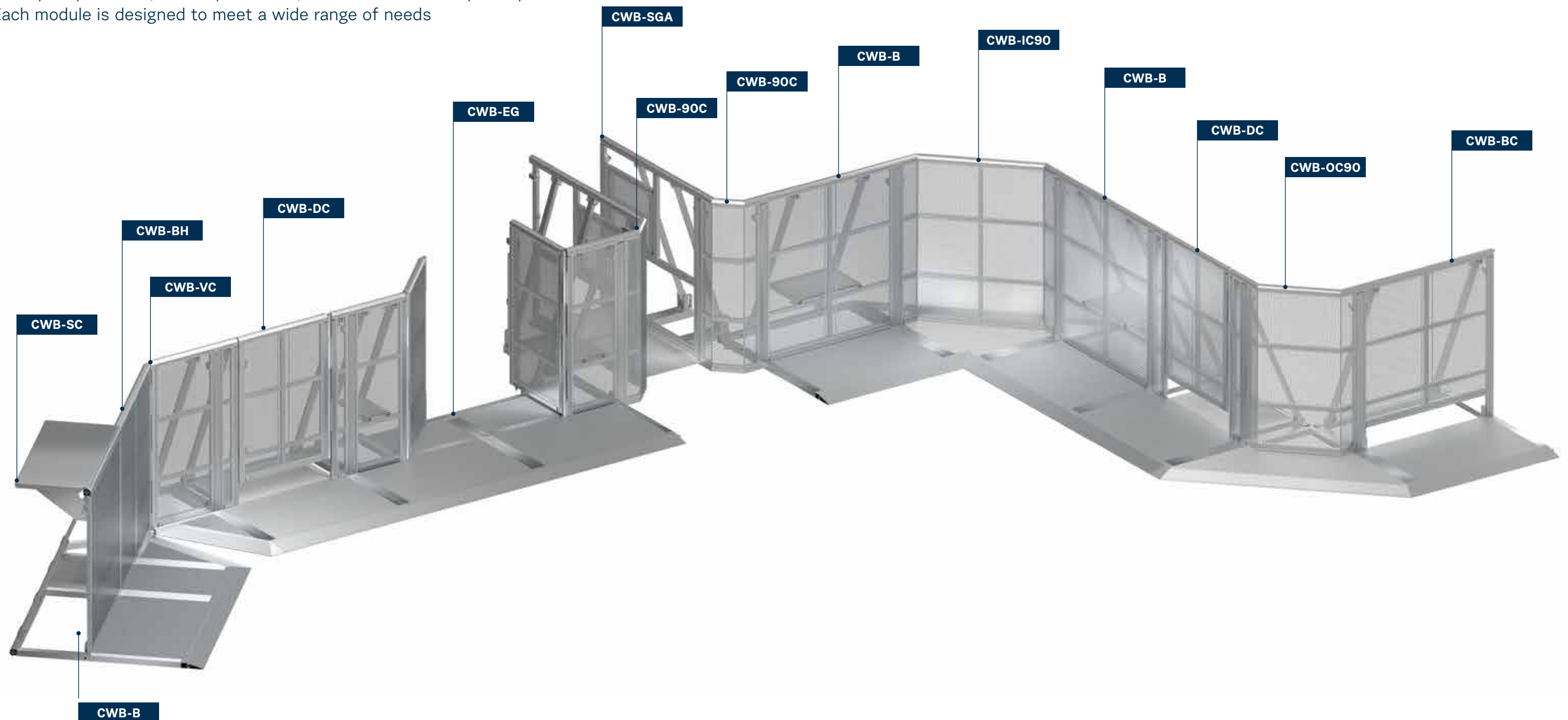
Standard, modular products, ready for use to adapt to any perimeter, correct uneven terrain. Foldable and immediately usable, they allow for the secure demarcation of public access areas. **Each model is available in raw aluminium or matte black powder-coated finish.**



Modularity

Ready-made solutions

Draw your perimeter, create your fence, follow the most complex layout.
Each module is designed to meet a wide range of needs



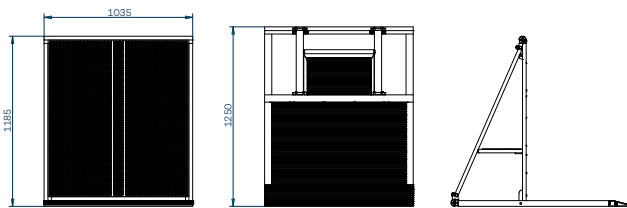
Standard module

They are standard lightweight crowd control systems. They can be bolted together for one firmly anchored fence that will remain in place even in very agitated situations. They fold flat after use and can be stacked on dollies or easy transport and storage.
Each barrier weighs 40.3 kg and measures 1035x1250x1185 (H) mm.



Standard module

Code	→	CWB-B
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1035 x 1250 x 1185 (H) mm
Weight	→	40.3 kg
Connection kit	→	included



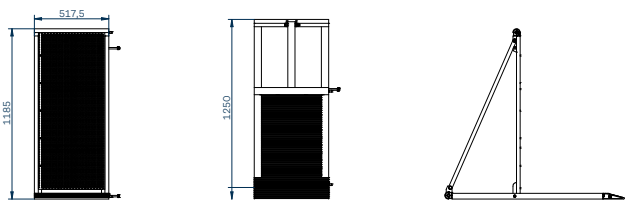
Standard half module

Foldable, all aluminium barrier that's half the size of a standard barrier. Bolts together with single modules for a unified, firmly anchored barrier that withstands unruly crowds. Fold flat after use and stack on dollies for convenient transport and storage. Each barrier weighs 20.8 kg and measures 518x1250x1186 (H) mm.



Standard half module

Code	→	CWB-BH
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	518 x 1250 x 1186 (H) mm
Weight	→	20.8 kg
Connection kit	→	included



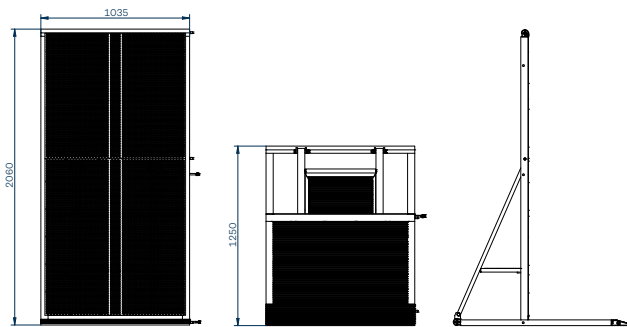
Crowd barriers, 200 series

2m high crowd barriers. They can be fastened together or connected to each module of the 120 series. They can be bolted together to form a firmly anchored fence that will remain in place even in very agitated situations. They fold flat after use and can be stacked on dollies for easy transport and storage



Standard module – 200 series

Code	→	LT CWB-TB
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1350 x 1250 x 2060 (H) mm
Weight	→	52 kg
Connection kit	→	included



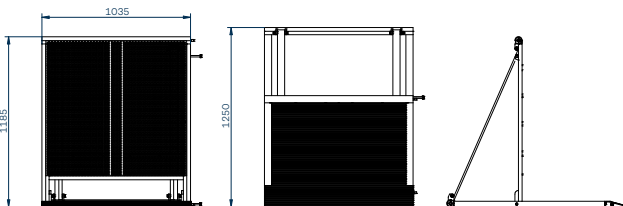
Cable access module

Crowd barriers are used at sports events, political rallies, parades, demonstrations, and outdoor and indoor performances. This model can hold cables for a safe way of laying and protecting cables, hoses and ducts. All profiles have soft, rounded edges for maximum comfort. They fold flat after use and can be stacked on dollies for easy transport and storage. Each barrier weighs 49.3 kg and measures 1035 x 1250 x 1185 (H) mm.



Cable access module

Code	→	CWB-BC
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1035 x 1250 x 1185 (H) mm
Weight	→	49.3 kg
Connection kit	→	included



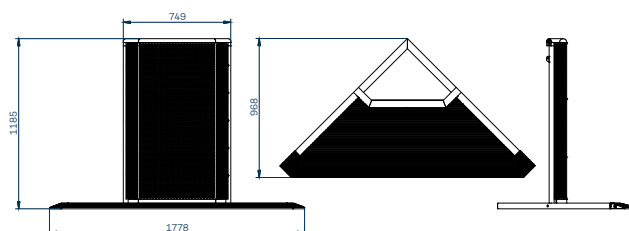
Outside corner 90° module

Barrier module for creating 90° outside corners. Bolts together with single modules for a unified, firmly anchored barrier that withstands unruly crowds. Fold flat after use and stack on dollies for convenient transport and storage.



Outside corner 90° module

Code	→	CWB-OC90
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	968 x 1778 x 1186 (H) mm
Weight	→	30.4 kg
Connection kit	→	included



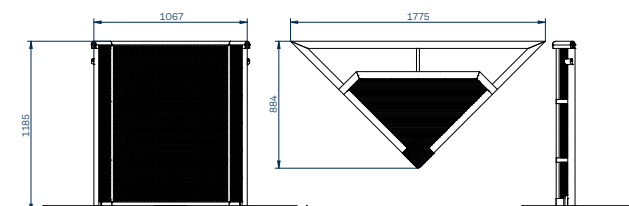
Inside corner 90° module

Barrier module for creating 90° inside corners. Bolts together with single modules for a unified, firmly anchored barrier that withstands unruly crowds. Fold flat after use and stack on dollies for convenient transport and storage.



Inside corner 90° module

Code	→	CWB-IC90
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	884x1 775 x 1186 mm
Weight	→	27.5 kg
Connection kit	→	included



Adjustable corner module

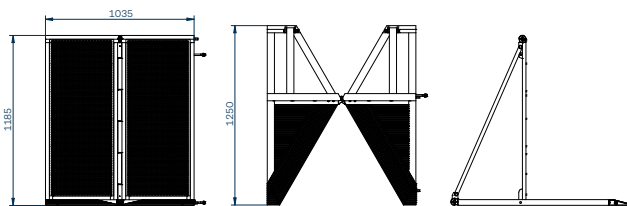
0° / +60° / -60°

Apart from the standard section, the barrier can be delivered in several corner types to meet any environment requirements. It folds flat after use and can be stacked on dollies for easy transport and storage. Each barrier weighs 48 kg and measures 1035x1250x1185 (H) mm.



Adjustable corner module 0° / +60° / -60°

Code	→	CWB-VC
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1035 x 1250x1185 (H) mm
Weight	→	48 kg
Connection kit	→	included



Inside corner 30° or 25° modules

Barrier module for creating 30° or 25° inside corners. Bolts together with single modules for a unified, firmly anchored barrier that withstands unruly crowds. Fold flat after use and stack on dollies for convenient transport and storage.



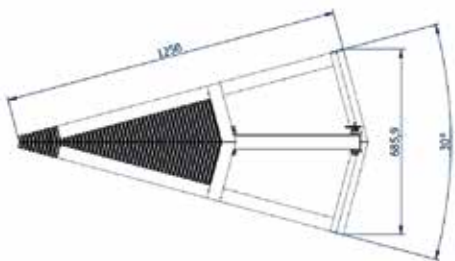
CWB-IC30



CWB-IC22,5

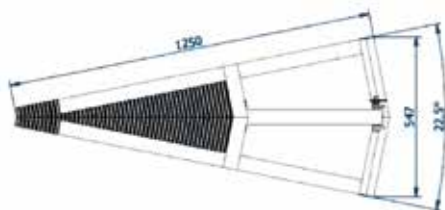
Inside corner 30° module

Code	→	LT CWB-IC30
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	686 x 1250 x 1185 (H) mm
Weight	→	16 kg
Connection kit	→	included



Inside corner 25° module

Code	→	LT CWB-IC25
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	686 x 1250 x 1185 (H) mm
Weight	→	15 kg
Connection kit	→	included





Vario light module

A double-hinged corner without floorplate, the Vario Light module is a vertical part that connects with other barriers sections. This enables the Vario Light module to angle in any shape wanted varying from -90° to +90°.

Code	→	CWB-VL
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1055 x 1145 mm
Weight	→	20 kg
Connection kit	→	included



Vario light with cable slot

A double-hinged corner without floorplate, the Vario Light module is a vertical part that connects with other barriers sections. Barrier module with 15 cm cable slot. 0° to 90° adjustable angle for variable adjustment.

Code	→	CWB-VLC
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	922 × 250 × 1186 (H) mm
Weight	→	19.1 kg
Connection kit	→	included



Vario light module with adjustable angle

A double-hinged corner without floorplate, the Vario Light module with adjustable angle is a vertical part that connects with other barriers sections. This enables to angle in any shape wanted varying (0°90°-90°).

Code	→	CWB-VLF
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1486 × 50 x 1185 mm
Weight	→	23,4 kg
Connection kit	→	included

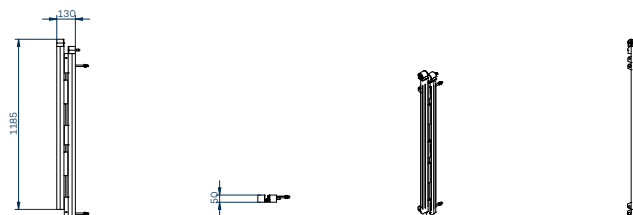
Height adjustable adapter

LITEC's height adjustable adapter ensures that your barrier modules are stable and secure on uneven ground and other types of challenging terrain.



Height adjustable adaptor

Code	→	CWB-LHA
Material	→	Aluminium alloy EN AW-6082 T6
Weight	→	4.3 kg
Connection kit	→	included



Special T-corner module

A module composed of two elements that allows for the construction of a special T-angle to meet specific layout requirements of the fencing project and particular needs for operational efficiency and safety.



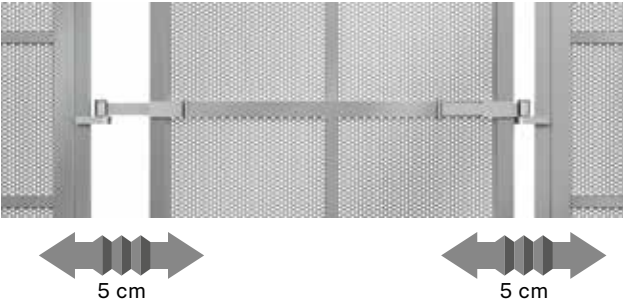
Special T-junction module

Code	→	LT CWB-T90
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions (barrier)	→	50 x 865 x 1185 (H) mm
Weight	→	17 kg
Dimensions (floor adaptor)	→	50 x 865 x 50 (H) mm
Weight	→	1,2 kg

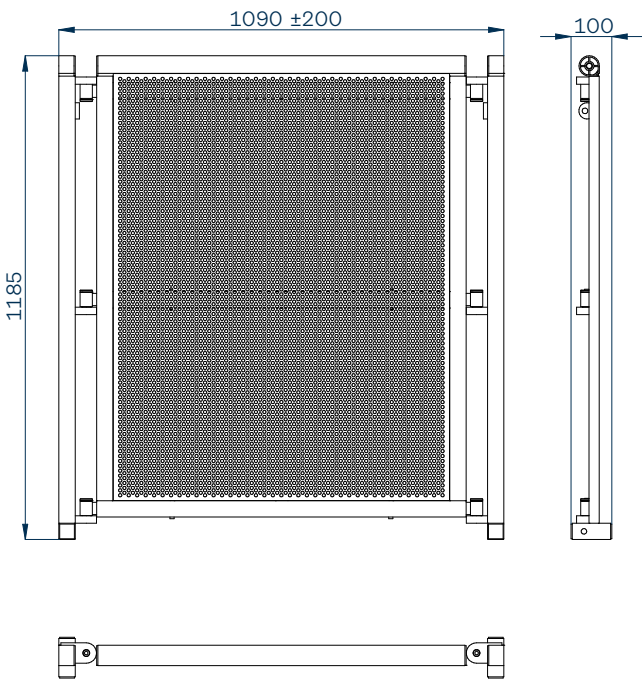
Adjustable compensating corner

A telescopic double double-hinged corner without floorplate, for adjusting position with a variation from 0 to 5cm per side.

Each of the 6 hinges allows horizontal sliding to create angles or compensate for unexpected distances in the construction of barrier walls.



Horizontal compensation allows for multiple solutions to adjust the barrier fence or to overcome an unforeseen condition. Here are just a few examples showcasing the potential of the telescopic adjustment module.

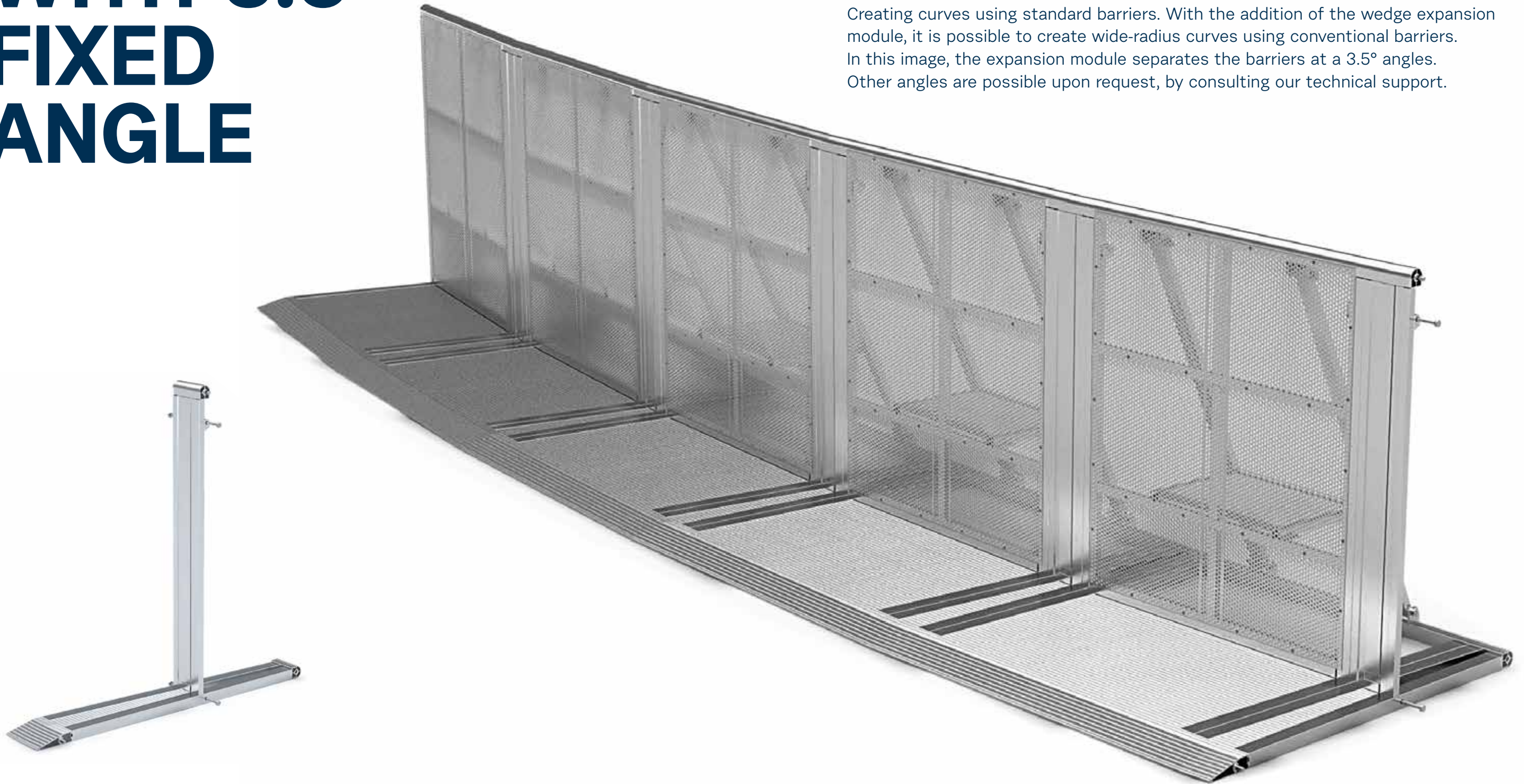


Adjustable compensating corner

Code	→	CWB-VLP
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1090 x 100 x 1130 (H) mm
Weight	→	17,5 kg
Connection kit	→	included

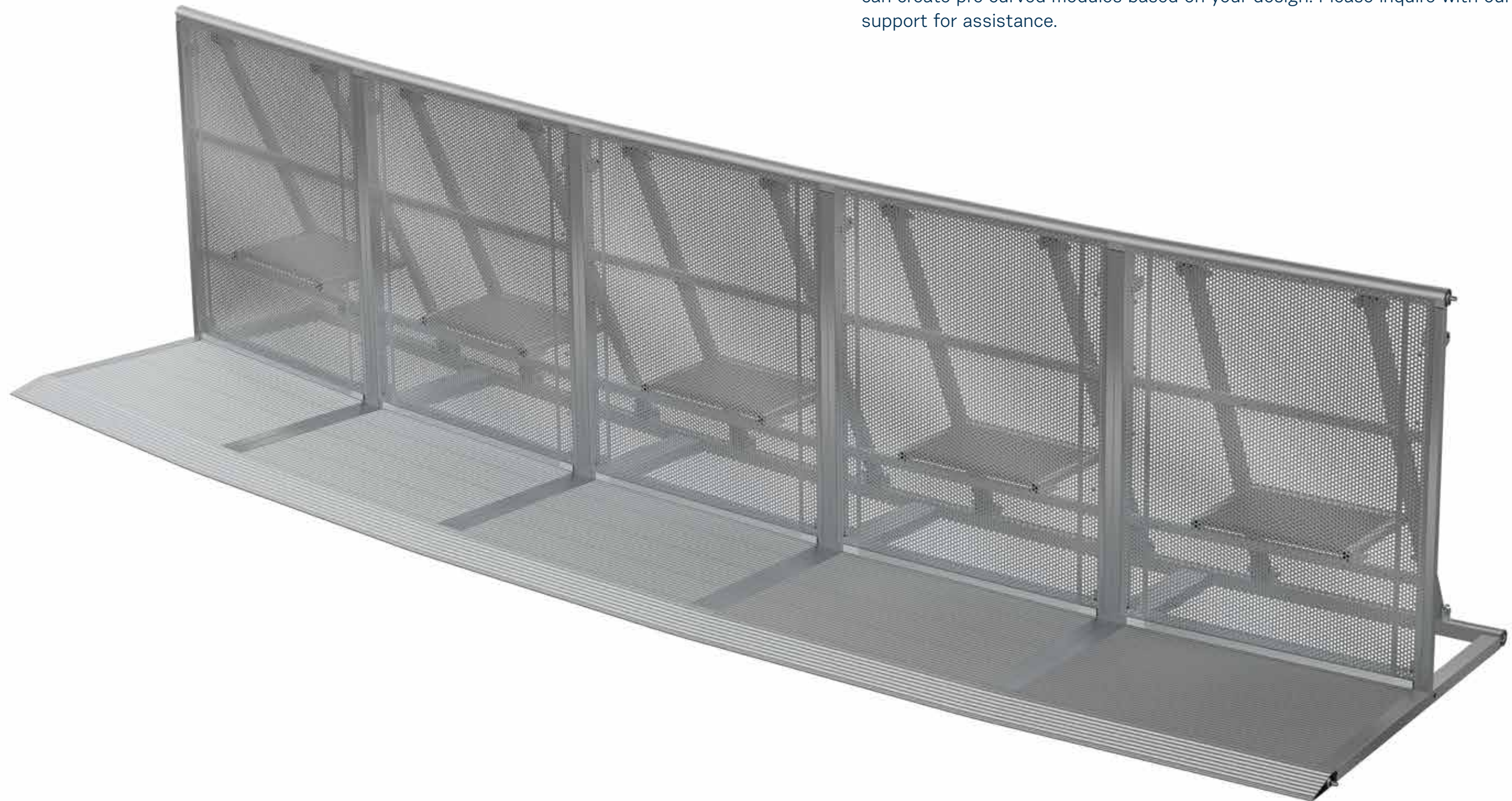
CURVE WITH 3.5° FIXED ANGLE

Creating curves using standard barriers. With the addition of the wedge expansion module, it is possible to create wide-radius curves using conventional barriers. In this image, the expansion module separates the barriers at a 3.5° angles. Other angles are possible upon request, by consulting our technical support.



CURVED BARRIER ON DEMAND

If curving with fix degree expansion modules doesn't solve your problem and you need to create a curved barrier wall to your specific requirements, our production department can create pre-curved modules based on your design. Please inquire with our technical support for assistance.



GATES AND CHECKPOINTS

The integrated access system for the public and operational staff.

Once the design of the crowd containment perimeter is defined, the issues of access within the enclosed area remain. There are various types of access for staff, transportation vehicles, and the public. Each requirement has its solution. From simple gates to more sophisticated checkpoints for controlled access of individuals. You can rely on the standard range of LITEC's Crowd Barriers line or request custom-made solutions.



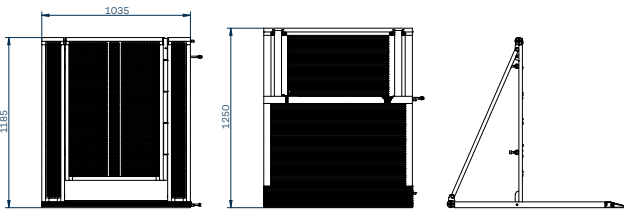
Gate access & cable slot module

Crowd barriers are used ad hoc when audiences and spectators need to be held at a distance, but sometimes you need to have an easy access. This is the case with this variant provided with a gate. LITEC crowd barriers ensure safety, high quality and ease of use with ergonomics and easy handling. They fold flat after use and can be stacked on dollies for easy transport and storage. Each barrier weighs 45 kg and measures 1035x1250x1185 (H) mm.



Gate access & cable slot module

Code	→	CWB-DC
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1035 x 1250 x 1185 (H) mm
Weight	→	45 kg
Connection kit	→	included



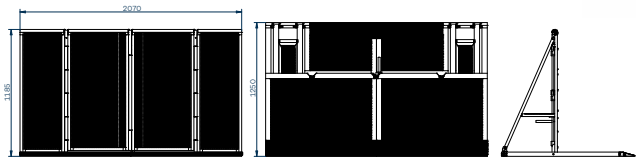
Emergency gate module

Emergency Gate Module provides immediate access to your audience when it counts the most. Footsteps above the deck allow for easier lifting of persons with health issue over the barrier and two separate door gates provide a convenient 115 cm entrance/exit point for your staff before, during and after the event.



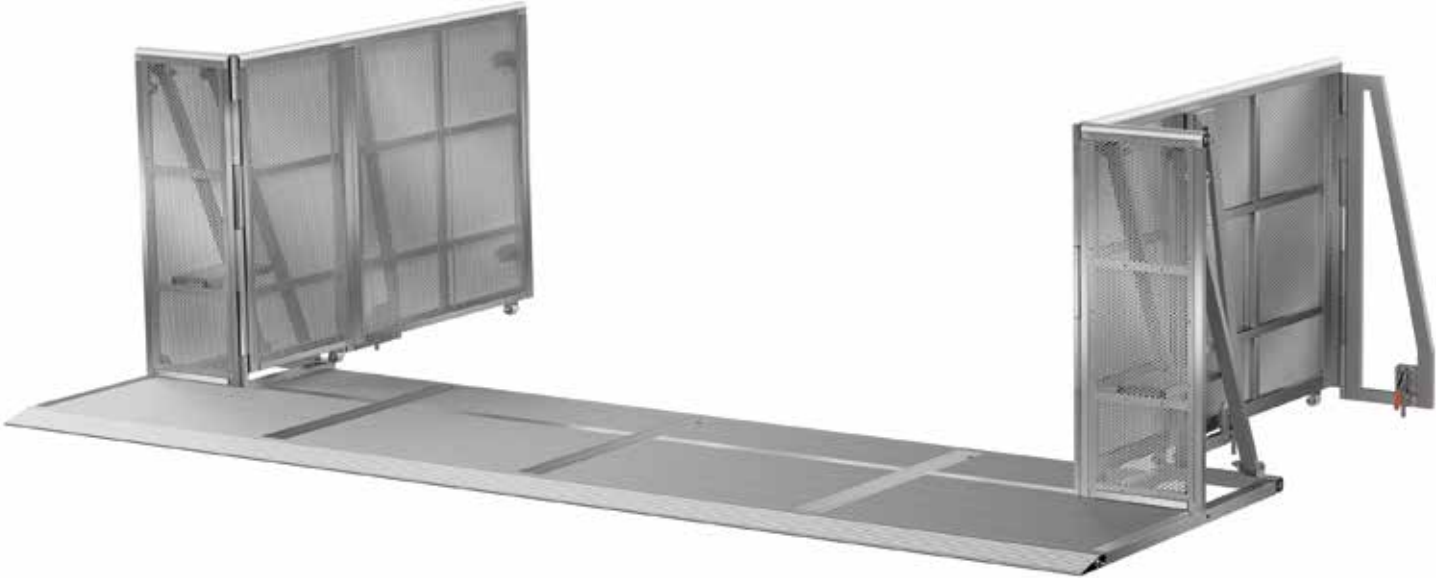
Emergency gate module

Code	→	CWB-EG
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	2070 x 1250 x 1186 mm
Weight	→	100.8 kg
Connection kit	→	included



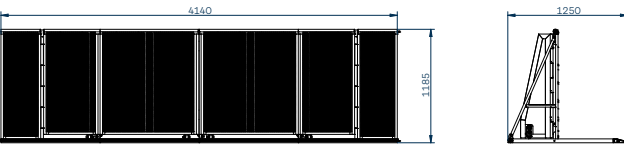
The Truck Gate access module

The area designated for the passage of trucks and other vehicles has specific requirements, with large gates that can individually open up to 180° and a ground level suitable for the loads it will support.



Truck Gate

Code	→	LT CWB-TG
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	4140 x 1250 x 1190 (H) mm
Weight	→	220 kg
Connection kit	→	included



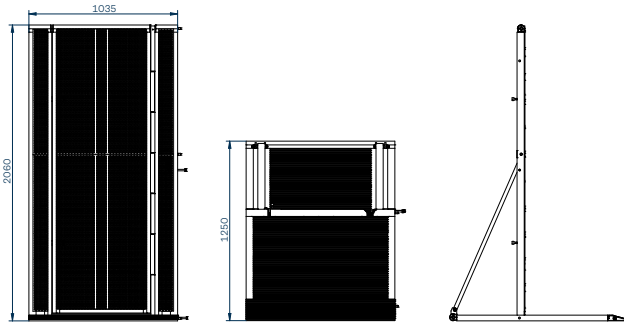
200 series - Access gate barrier module.

It is a module designed as an access gate for 200 series barriers. Compatible both with 200 and 120 series.



Access gate – 200 series barrier module

Code	→	LT CWB-TVL
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	50 x 1055 x 2020 (H) mm
Weight	→	31 kg
Connection kit	→	included



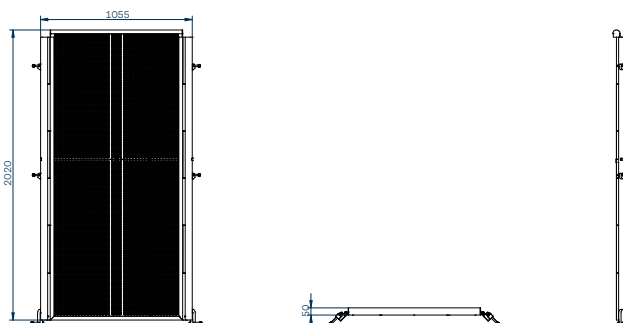
Vario 200 module

A double-hinged corner without floorplate, the Vario 200 series module is a vertical part that connects with other 200 series barriers sections. This enables the module to angle in any shape wanted varying from -90° to +90°.



Vario 200 module

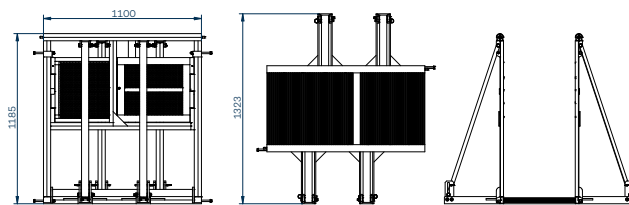
Code	→	LT CWB-TDC
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1035 x 1250 x 2060 (H) mm
Weight	→	66 kg
Connection kit	→	included





Single gate access module

The single gate barrier module is the right choice when you need only one access point for crowds entering live events. Bolts together with single modules for a unified, firmly anchored barrier. Fold flat after use and stack on dollies for convenient transport and storage.



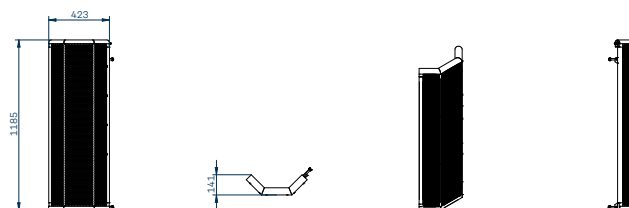
Single gate access module

Code	→	CWB-SGA
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1323 x 1100 x 1186 (H) mm
Weight	→	57.6 kg



90° Compensator

The compensator serves as a standing area between the two entry points of the Two entrance check point and to connect the entry point to the standard barrier.

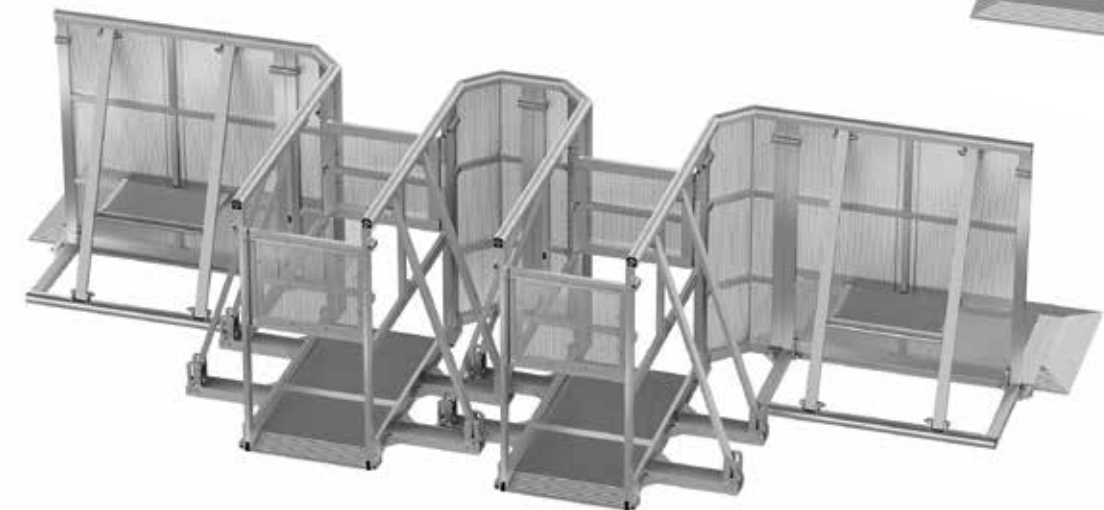
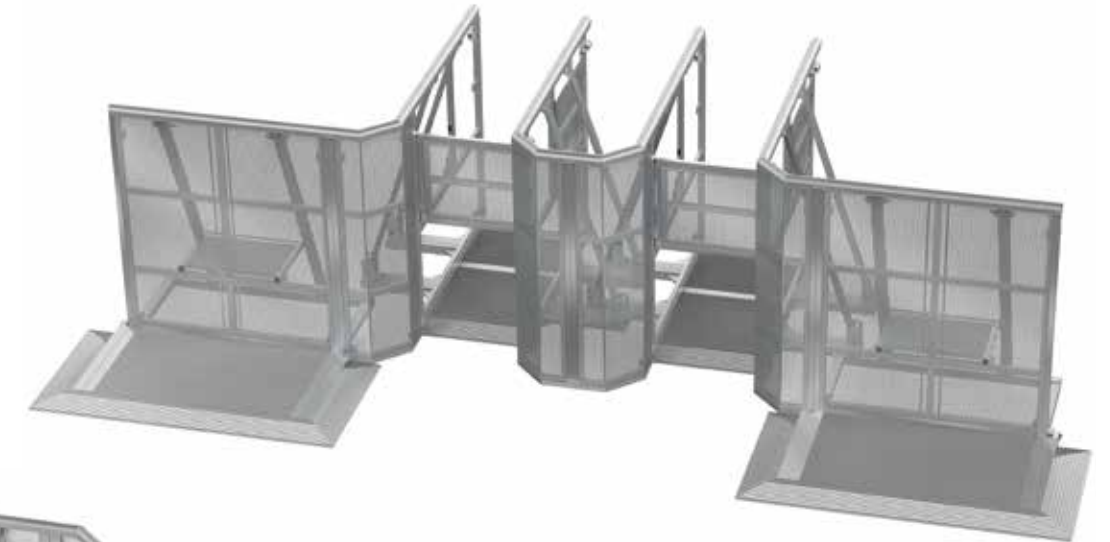


90° Compensator

Code	→	CWB-90C
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	425 x 141 x 1186 (H) mm
Weight	→	8.1 kg
Connection kit	→	included

Two entrance check point

A safe and secure check point with two entry points. Easy to move, store, transport, install and disassemble. All aluminium construction offers you extreme durability during all seasons, as well resistance to aging and corrosion.



Two entrance check point

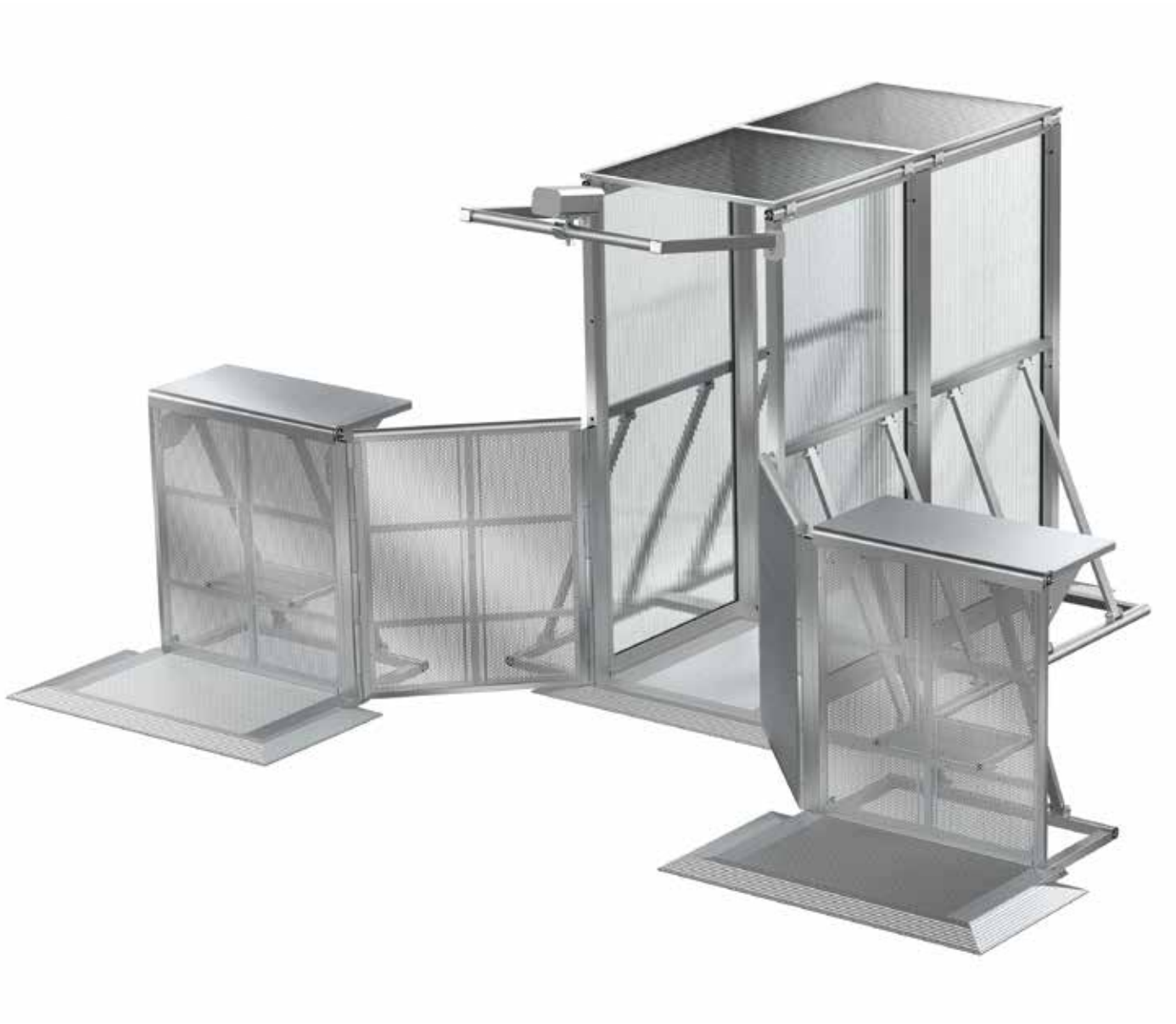
Code	→	2x CWB-B + 4x CWB-90C + 2x CWB-SGA
Material	→	Aluminium alloy EN AW-6082 T6
Connection kit	→	included

The tunnel checkpoint, ensuring maximum access security.

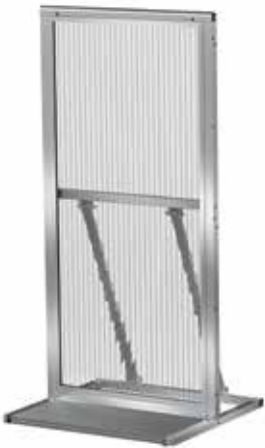
A complete tunnel system for a thorough checkpoint. Individuals are guided individually through the tunnel for thorough inspection. The system is equipped with accessories for the placement of individual control technologies, in accordance with current laws.

The system consists of standard modules, easy to assemble, and integrates with the entire ecosystem of crowd barrier lines, both 120 and 200 series.

The side panels of the tunnel are made of semi-transparent polycarbonate.



LT CWBT-RT Roof Top Module



LT CWBT-TB Half frame module



LT CWBT-BKT Thermal camera Bracket Module



LT CWB-SC 120 series shelf counter



LT CWBT-R Ramp Module



LT CWBT-RR Crowd Barrier 120 & 200 Series right side ramp

Crowd Barrier 120 & 200 Series left side ramp

TROLLEY

The trolleys, the right place to store the barriers.

Transporting and storing barriers is another extremely important aspect. To increase efficiency during setup and removal phases, and to have an adequate protection system during transportation and storage of barriers.

LITEC's trolley line for crowd barriers offers various solutions, both for the 120cm and 2m lines. There is also a foldable model to minimize space when the trolley is empty.



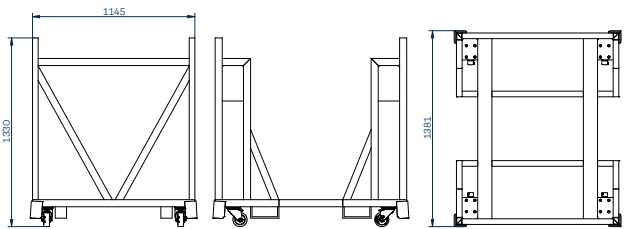
Basic trolley

A quality aluminium trolley has been developed to hold 10 folded standard crowd barriers. Crowd barriers folded flat are easily stored and transported in the trolley.



Cart for 10 barriers, vertical storage

Code	→	CWB-CART
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1360 x 1155 x 1272 (H) mm
Weight	→	59 kg



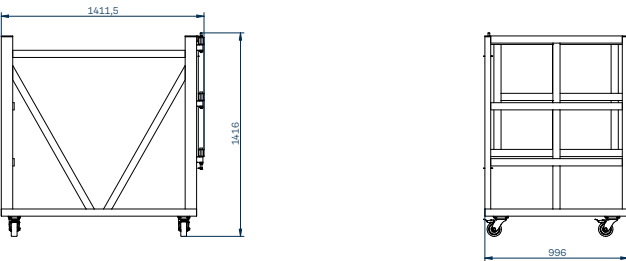
Trolley with gate

Vertical storage cart for 10 barriers from the 120cm line. Equipped with a gate to facilitate loading and retrieval of the barriers.



Cart for 10 barriers, vertical storage

Code	→	LT CWB-V-CARTV
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1415 x 1000 x 1420 (H) mm
Weight	→	63 kg



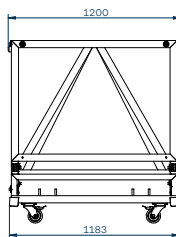
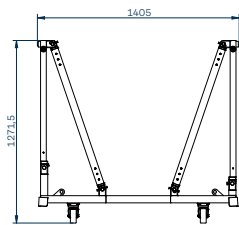
Foldable trolley

Storage cart for 10 barriers of the 120cm series, designed for horizontal storage. Equipped with hinges for quick folding.



Foldable trolley

Code	→	LT CWB-V-TCART
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1160 x 2220 x 1290 (H) mm
Weight	→	107 kg



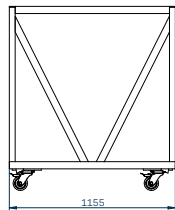
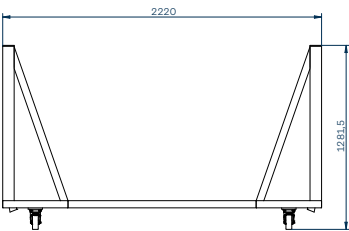
Giant trolley

Storage cart for 10 barriers of the 200 series. Robust aluminium structure.



2000 series trolley

Code	→	LT CWB-V-TCART
Material	→	Aluminium alloy EN AW-6082 T6
Dimensions	→	1160 x 2220 x 1290 (H) mm
Weight	→	107 kg





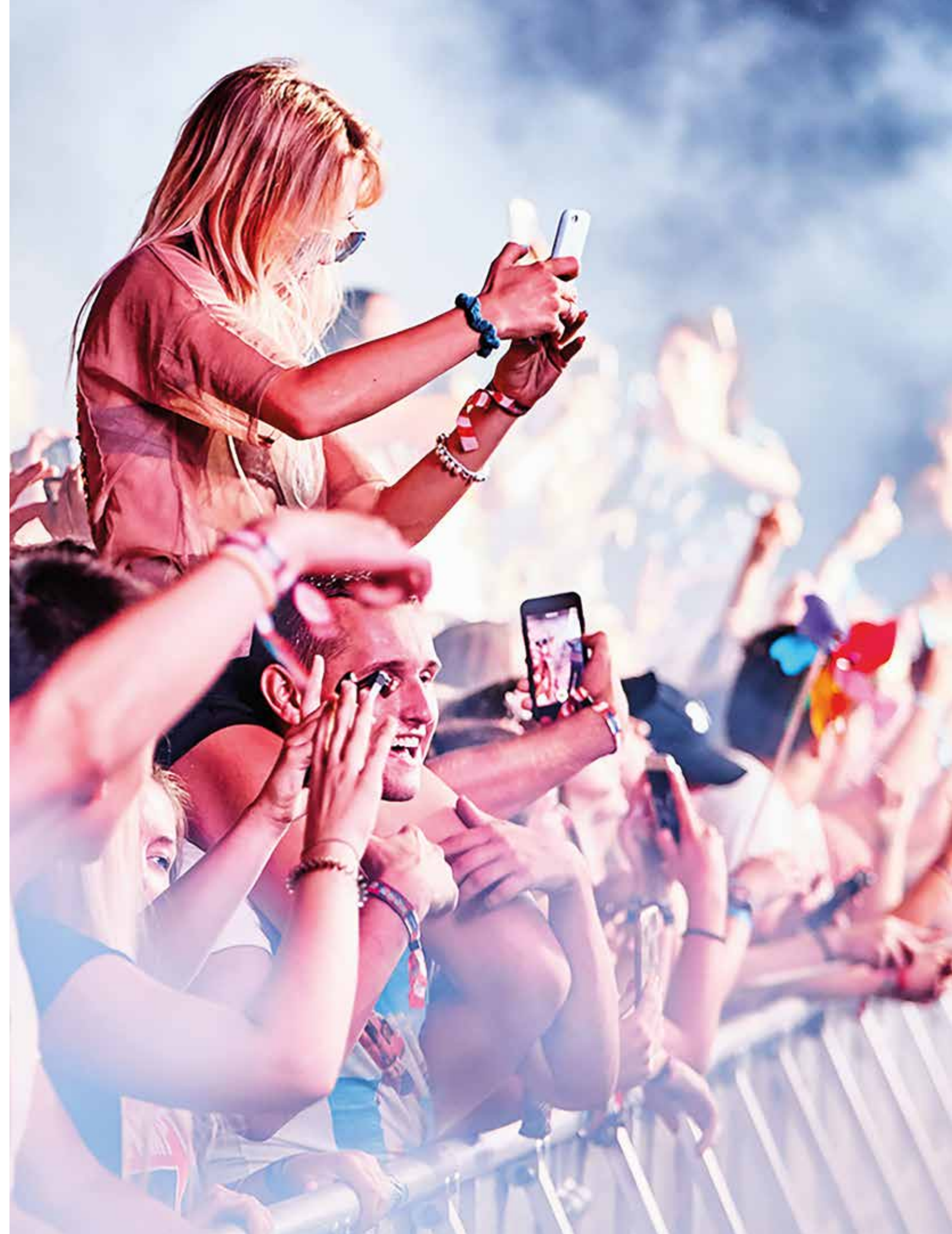
Connection kit

The connection kits are included on each barrier. In case of reordering, a spare parts kit is available, valid for both the 120 and 200 series, consisting of:

- 2 x male pins M14
- 2 x nuts M10
- 2 x bolts M10
- 4 x washers M10

The LITEC crowd barriers range is continuously growing and evolving. New products are currently being studied and designed. We kindly ask you to consult our technical support for any need, to find the solution that best suits you, whether with products already in the catalog or for custom solutions.

The information provided in this catalog is subject to change without notice. Please refer to our technical service for any clarification or updates.





CLAMPS & RIGGING HARDWARE

Clamps

Versatility

LITEC presents a new and renovated clamps line to manage any type of installation. They stand out for their design and innovative performances. They are divided in 8 series: ALI4251, ALI4251 NARROW, ALI4851, ALI4851 NARROW, ALI4851 SLIM, ALI6063, LIC3851 and LIC4851. To identify them we have used a micro-percussion technology which reports the family series number and the indication of the safe working load. They are all made from ultra-high tensile aluminium alloy and their surface is highly polished. On request they can also be supplied with black powder coating finishing.

ALI4251	2
ALI4251N	2
ALI4851	3
ALI4851N	6
ALI4851S	7
ALI6063	8
LIC3851	10
LIC4851	11
Clamps line	12
H Frame	12

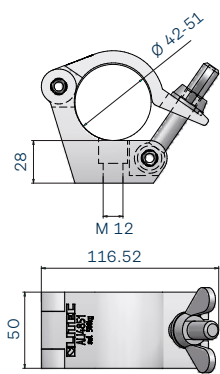
ALI4251

This line includes all “the truss clamps” designed for tubes from 42 to 51 mm. Truss clamps are all supplied with M12 wing nuts.



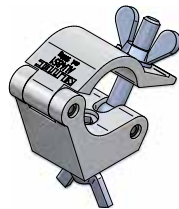
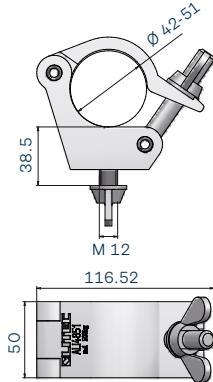
HCL5111F

ALI4251 FLAT
SWL 780 kg



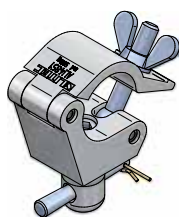
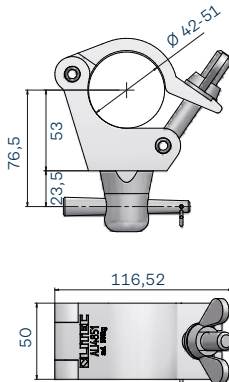
HCL5102F

ALI4251 FL M12/35
SWL 780 kg



HCL51L01F

ALI4251 FL. 1/2 SP.
SWL 780 kg



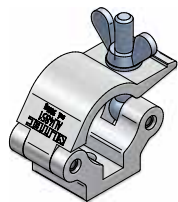
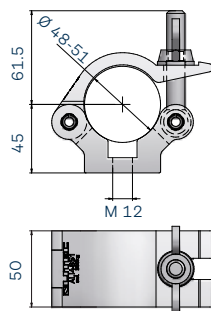
ALI4851

This line includes all “the truss clamps” designed for tubes from 48 to 51 mm. Truss clamps are all supplied with M12 wing nuts.



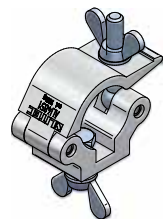
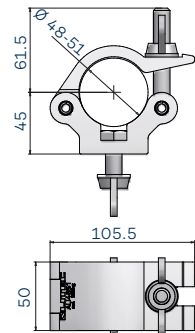
HCL5101

ALI4851
SWL 650 kg



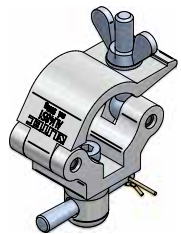
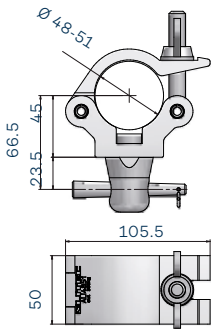
HCL5102

ALI4851 M12/35
SWL 650 kg



HCL51L01

ALI4851 1/2 SPIGOT
SWL 650 kg



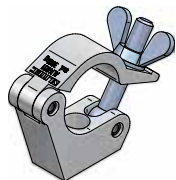
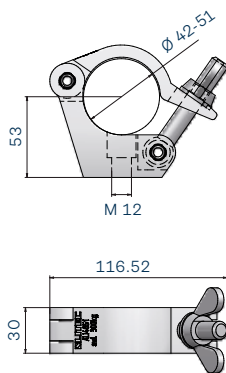
ALI4251N

This line includes all “the NARROW truss clamps” designed for tubes from 42 to 51 mm. Truss clamps are all supplied with M12 wing nuts.



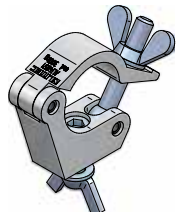
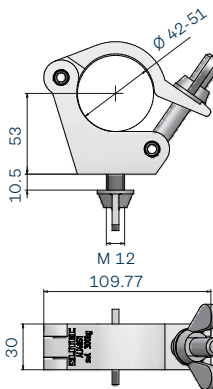
HCL5112FN

ALI4251 FLAT N
SWL 410 kg



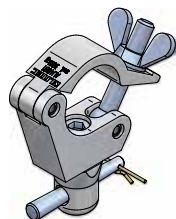
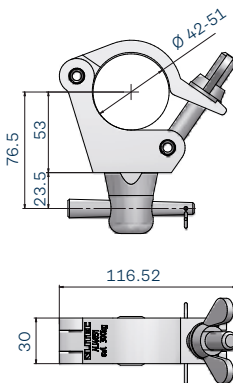
HCL5102FN

ALI4251 FL. N. M12/35
SWL 410 kg



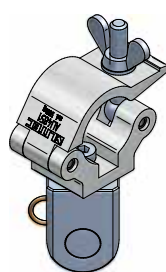
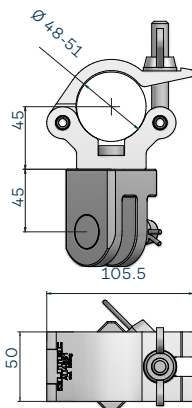
HCL51L01FN

ALI4251 FL. N. 1/2 SP.
SWL 410 kg



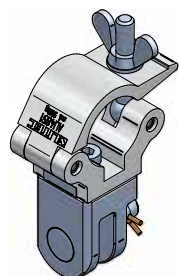
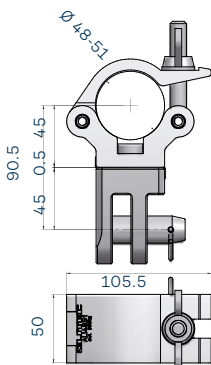
HCL51L02

ALI4851 FORK ADJ
SWL 650 kg



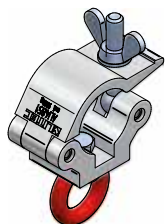
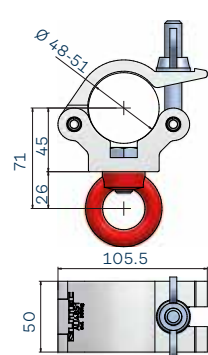
HCL51L03

ALI4851 FORK FIXED
SWL 650 kg



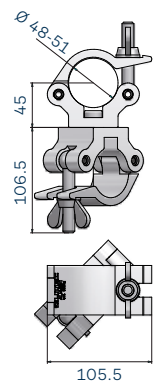
HCL5103W050

ALI4851 LIFT.EYE
SWL 650 kg



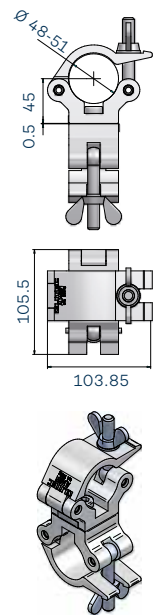
HCL5104

ALI4851 SWIVEL
SWL 540 kg



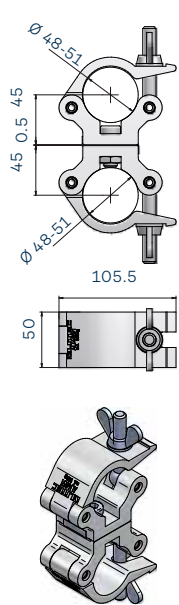
HCL5105

ALI4851 90° FIXED
SWL 540 kg



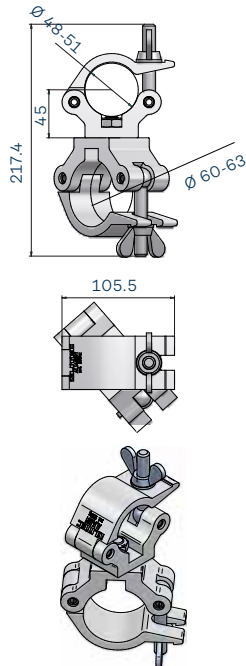
HCL5106

ALI4851 PARALLEL
SWL 540 kg



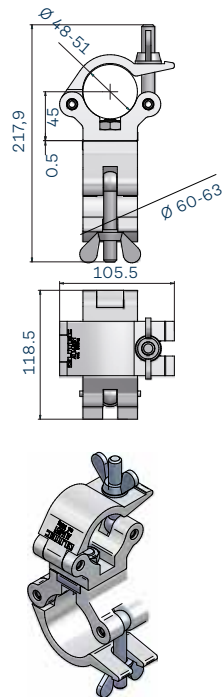
HCL516304

ALI4851-ALI6063
SWIVEL SWL 540 kg



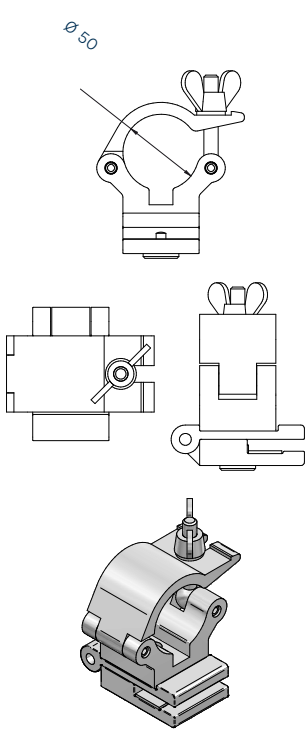
HCL516305

ALI4851-ALI6063
90° FIXED SWL 540 kg



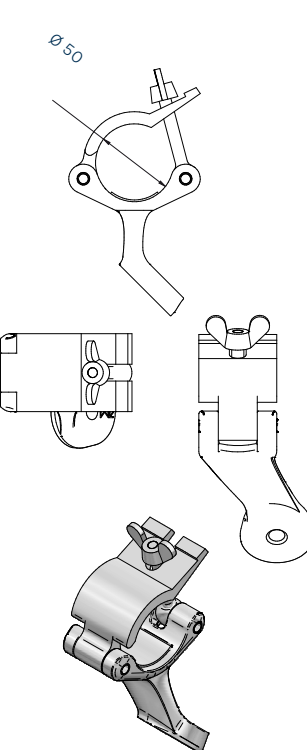
HCL51PC

ALI4851 Panel clamp for
easy clamping
(5 mm - 8 mm)



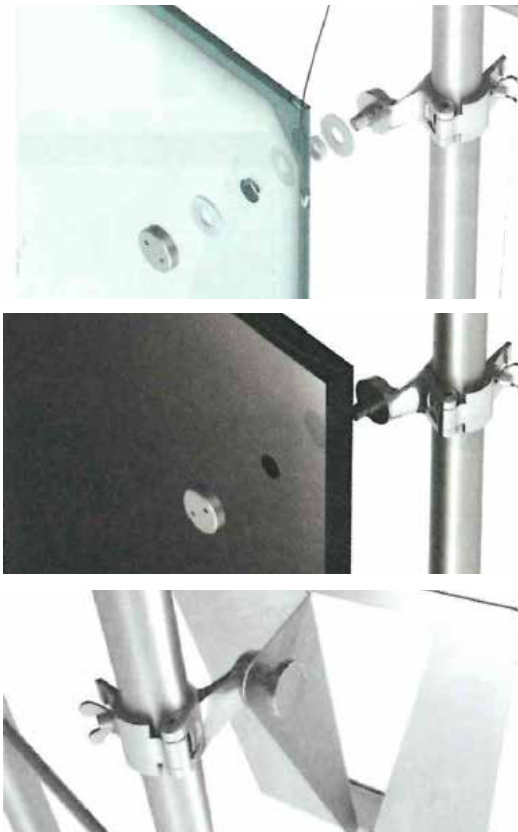
HCL51CL

ALI4851 Clamp for
cladding of the entire
structure



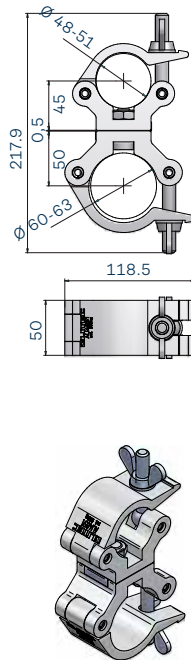
HCL51CL

applications



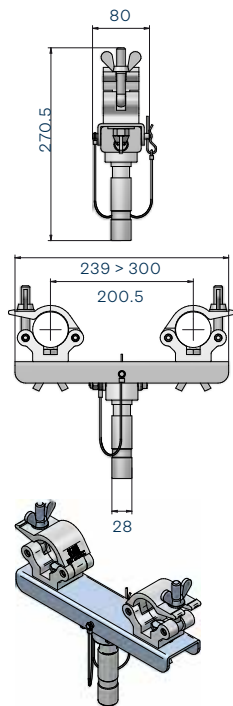
HCL516306

ALI4851-ALI6063
PARALLEL SWL 540 kg



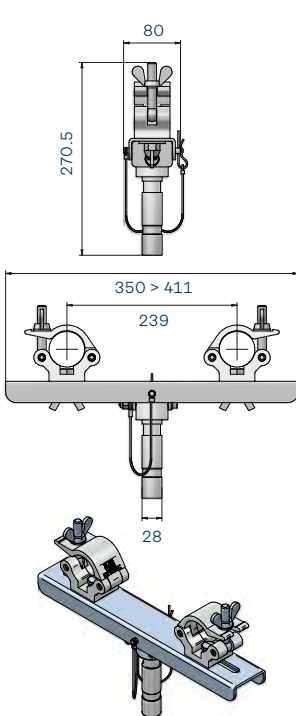
HCL51L07

ALI4851 28 SP.
Truss Support 25-30



HCL51L08

ALI4851 28 SP.
Truss Support 30-40



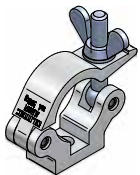
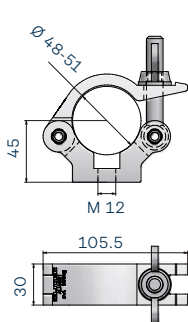
ALI4851N

This line includes all “the NARROW truss clamps” designed for tubes from 48 to 51 mm. Truss clamps are all supplied with M12 wing nuts.



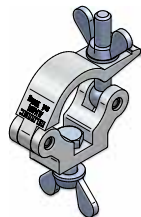
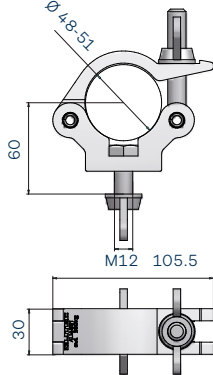
HCL5107N

ALI4851 NARROW
SWL 560 kg



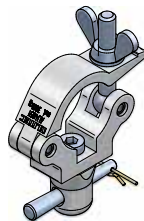
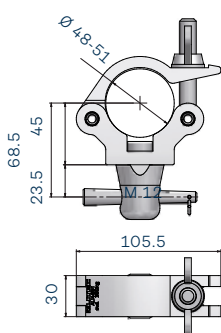
HCL5108N

ALI4851 N. M12/50
SWL 560 kg



HCL51L01N

ALI4851 N. 1/2 SP. SWL
560 kg



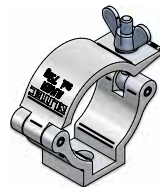
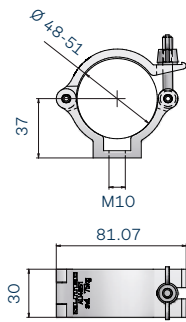
ALI4851S

This line includes all “the SLIM truss clamps” designed for tubes from 48 to 51 mm. Truss clamps are all supplied with M10 wing nuts.



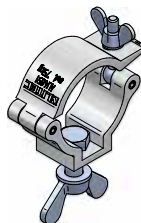
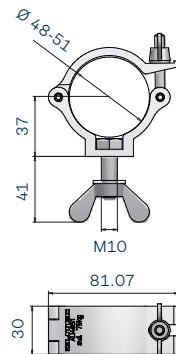
HCL5101S

ALI4851
SL. SWL 230 kg



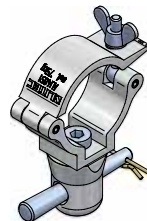
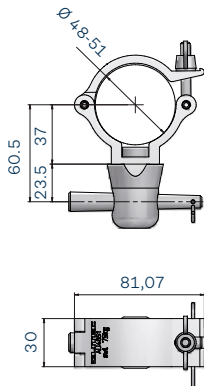
HCL5102S

ALI4851 SL. M10/30
SWL 230 kg



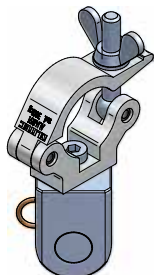
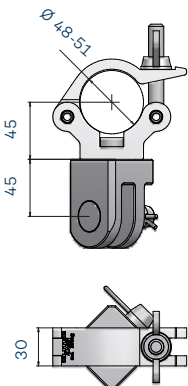
HCL51L01S

ALI4851 SL. 1/2 SP.
SWL 230 kg



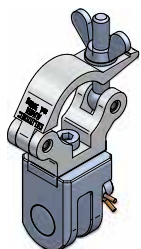
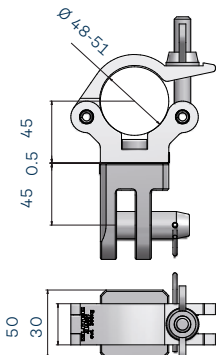
HCL51L02N

ALI4851 N. FORK ADJ.
SWL 560 kg



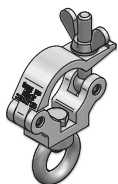
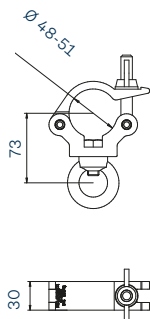
HCL51L03N

Truss clamp ALI4851 N.
FORK FIXED swl 560 kg



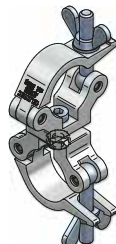
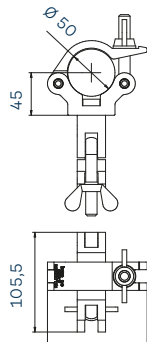
HCL5103W030N

ALI4851 LIFT. EYE
SWL 300 kg



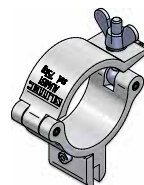
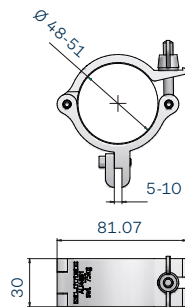
HCL5104N

ALI4851 SWIVEL
SWL 540 kg



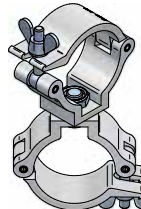
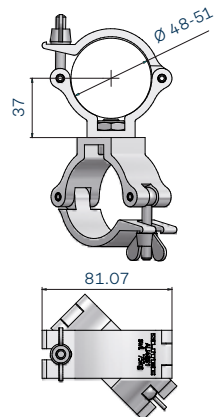
HCL5111S

ALI4851 SL. P.H.
SWL 230 kg



HCL5104S

ALI4851 SL. SW.
SWL 230 kg



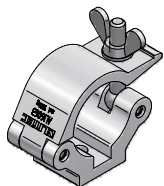
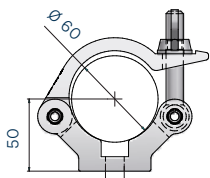
ALI6063

This line includes all “the truss clamps” designed for tubes from 60 to 63.5 mm. Truss clamps are all supplied with M12 wing nuts.



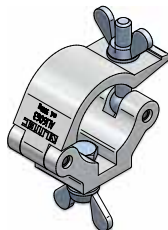
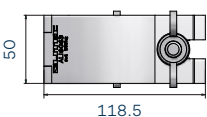
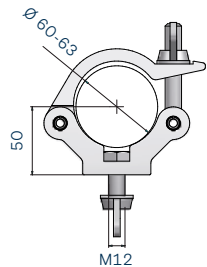
HCL6301

ALI6063
SWL 650 kg



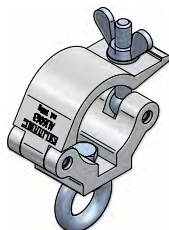
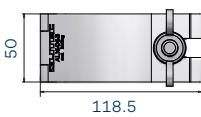
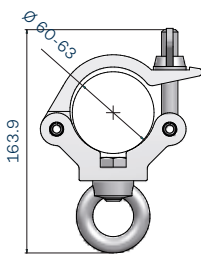
HCL6302

Truss clamp ALI6063
M12/35 SWL 650 kg



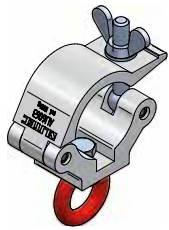
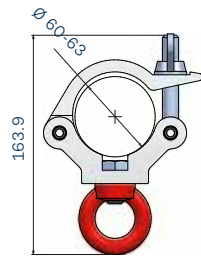
HCL6303W034

Truss clamp ALI6063
LIFT. EYE SWL 340 kg



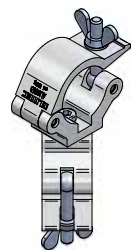
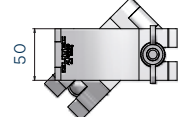
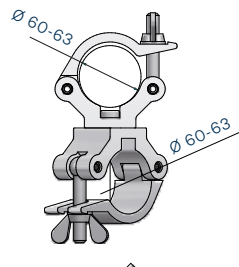
HCL6303W050

Truss clamp ALI6063
LIFT. EYE SWL 650 kg



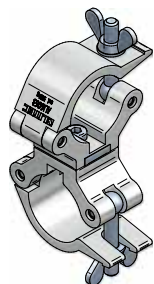
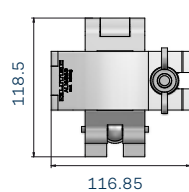
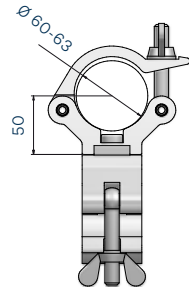
HCL6304

Truss clamp ALI6063
SWIVEL SWL 650 kg



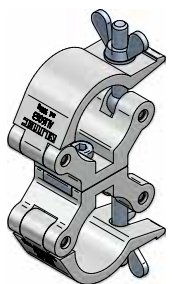
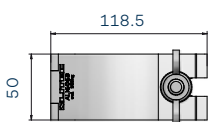
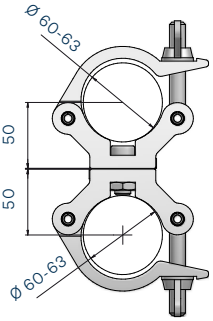
HCL6305

ALI6063 90° FIXED
SWL 650 kg



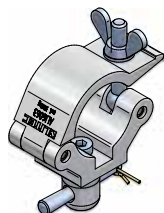
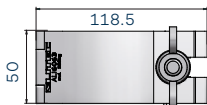
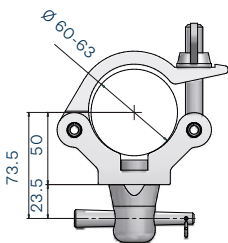
HCL6306

ALI6063 PARALLEL
SWL 650 kg



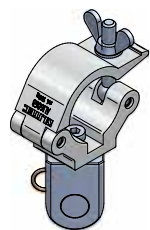
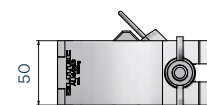
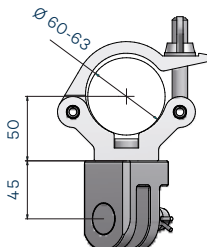
HCL63L01

Truss clamp ALI6063
1/2 SPIGOT SWL
650 kg



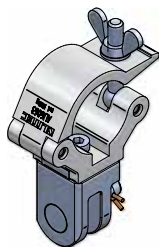
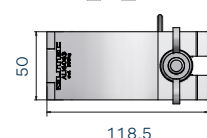
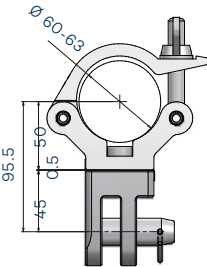
HCL63L02

Truss clamp ALI6063
FORK ADJ. SWL 650 kg



HCL63L03

Truss clamp ALI6063
FORK FIXED SWL
650 kg



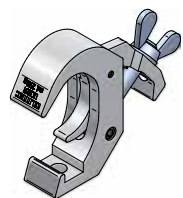
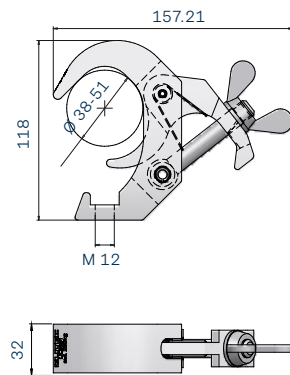
LIC3851

LIC3851 identifies a clamping range of products. This line includes all “the lighting clamps” to hang luminaires onto trusses with tubes with a diameter from 38 to 51 mm. Lighting clamps are all supplied with M12 wing nuts.



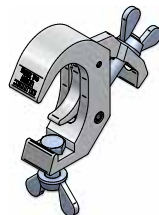
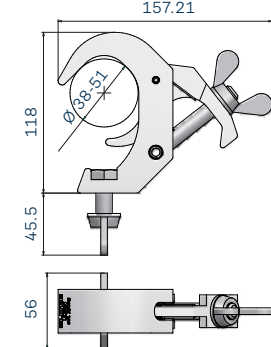
ACL51010

Truss clamp LIC3851
OP. swl 360 kg



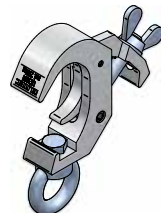
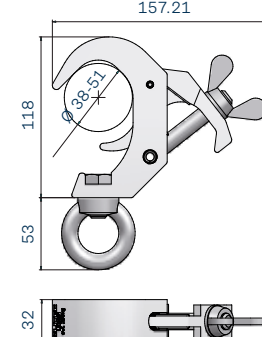
ACL51020

Truss clamp LIC3851
OP. M12/35 swl 360 kg



ACL51030

Truss clamp LIC3851
OP. LIFT. EYE swl 360 kg



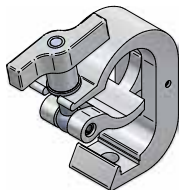
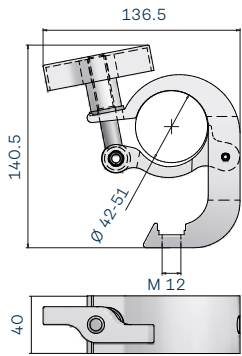
LIC4851

This line includes all “the lighting clamps” to hang luminaires onto trusses with tubes with a diameter from 48 to 51 mm. These lighting clamps are all supplied with knobs.



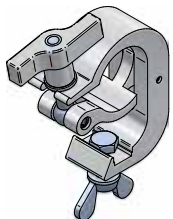
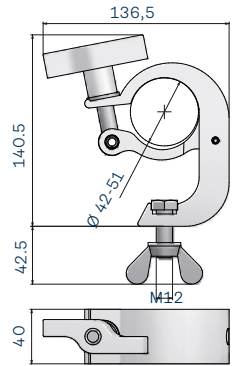
ACL5101C

Truss clamp LIC4851
CL. swl 350 kg



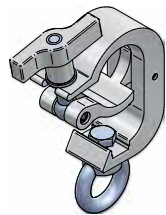
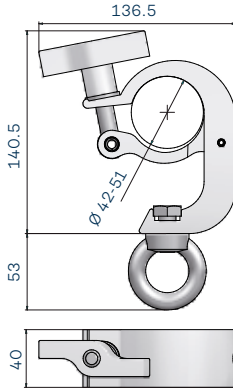
ACL5102C

Truss clamp LIC4851
CL. M12/35 swl 350 kg



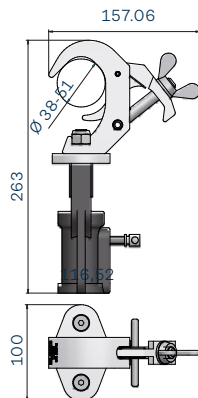
ACL5103C

Truss clamp LIC4851
CL. LIFT. EYE swl 350 kg



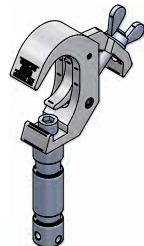
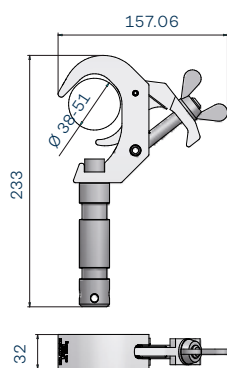
ACL51L040

Truss clamp LIC3851
OP. 28 BUSHING swl 360 kg



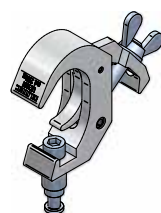
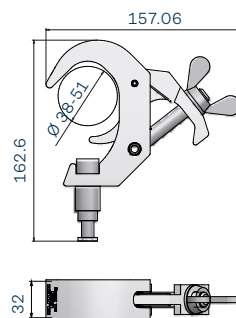
ACL51L050

Truss clamp LIC3851
OP. 28 SPIGOT swl 360 kg



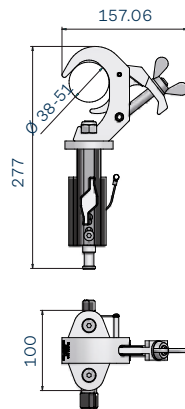
ACL51L060

Truss clamp LIC3851
OP. 16 SPIGOT swl 360 kg



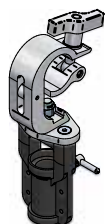
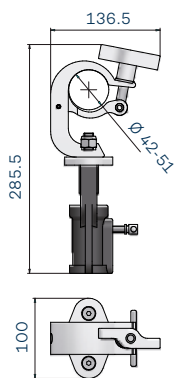
ACL51L100

Truss clamp LIC3851
OP. 16 - 28 BUS. swl 360 kg



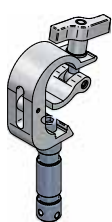
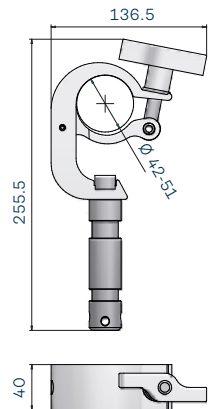
ACL51L04C

Truss clamp LIC4851
CL. 28 BUSHING swl 350 kg



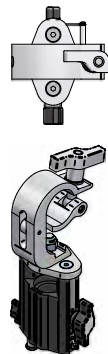
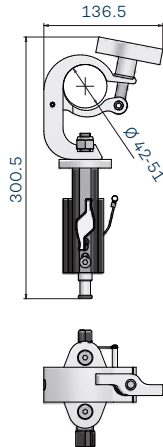
ALI51L05C

Truss clamp LIC4851
CL. 28 SPIGOT swl 350 kg



ACL51L10C

Truss clamp LIC4851
CL. 16 - 28 BUS. swl 350 kg



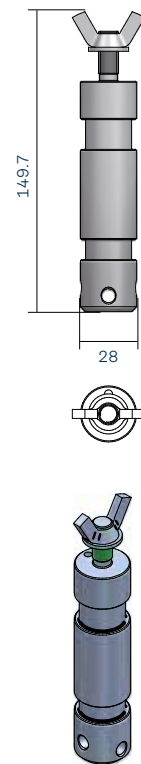
Clamps line

LIC3851 identifies a clamping range of products. This line includes all “the lighting clamps” to hang luminaires onto trusses with tubes with a diameter from 38 to 51 mm. Lighting clamps are all supplied with M12 wing nuts.

Accessories

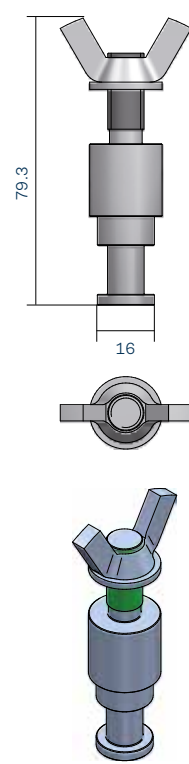
HCLK001

Truss clamp ADAPTER 28 SPIGOT
M - M10



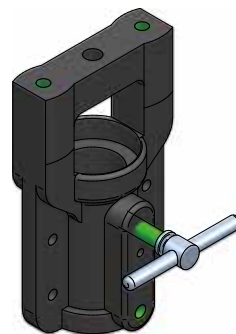
HCLK002

Truss clamp ADAPTER 16 SPIGOT
M - M10



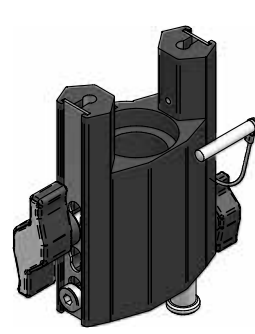
ASUPL001

CL. 28 BUSHING



ASUPL002

CL. 16 - 28 BUSHING

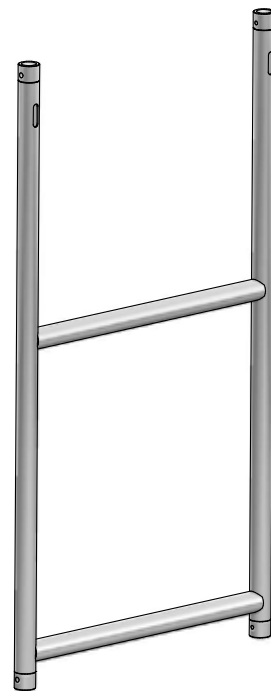


H Frame

It is a universal truss accessory that gives you the means to hang up to 180 kg of moving lights on horizontal truss tubes.

Due to its modularity, you can connect them together piece by piece to achieve the length you require.

Connection to your truss segments is carried out using a truss clamp and half spigot system. Additional safety is achieved with a special slot in the frame tube where a steel cable can be attached.



FD80150Z1

HD Flat truss L=150 cm with bushing
Extruded tube ø 50 x 3 mm
EN AW-6082 T6



Rigging Accessories

High quality, extreme safety

LITEC offers a vast range of rigging accessories for lifting, fixing and anchoring structures, supplying the best-suited products for installations.

Steel wire ropes	16
Roundslings	17
Belt ratchets	18
Anchoring	19
Hardware	20



Steel wire ropes

216-wire metal core ropes with end eyes, oversized thimbles and conical ferrules. Available with 1 or 2-ton SWL/WLL* capacities. Colour coded thimbles to facilitate a length identification and oversized – 16 mm wire – to permit an easy introduction of a 4.75 ton shackle.

- Thimbles two-sizes bigger than the rope
- Talurit-type conical ferrules
- Metal core
- Ferrules are marked with the lot reference number, capacity and rope diameter.

Tecnical specification RGSW

2 models	→	1 or 2 tons
2 versions	→	pure rope or rope sheath
9 sizes	→	from 0.75 to 12 metres
Safety factor	→	5:1

Thimble colour	Rope length	Pure rope
orange	→ 0.75 metres	RGSW 1075
red	→ 1.50 metres	RGSW 1150
pink	→ 2.00 metres	RGSW1200
white	→ 3.00 metres	RGSW 1300
light blue	→ 4.00 metres	RGSW 1400
blu	→ 6.00 metres	RGSW 1600
yellow	→ 9.00 metres	RGSW 1900
brown	→ 10.00 metres	RGSW 11000
green	→ 12.00 metres	RGSW 11200

1000 KG WLL / Ø ROPE 10 mm

Pure rope	Rope with sheath	Rope with sheath
RGSW 2075	RGSWC 1075	RGSWC 2075
RGSW 2150	RGSWC 1150	RGSWC 2150
RGSW 2200	-	-
RGSW 2300	RGSWC 1300	RGSWC 2300
RGSW 2400	-	-
RGSW 2600	-	-
RGSW 2900	-	-
RGSW 21000	-	-
RGSW 21200	-	-

2000 KG WLL / Ø ROPE 14 mm

1000 KG WLL / Ø ROPE 10 mm

2000 KG WLL / Ø ROPE 14 mm

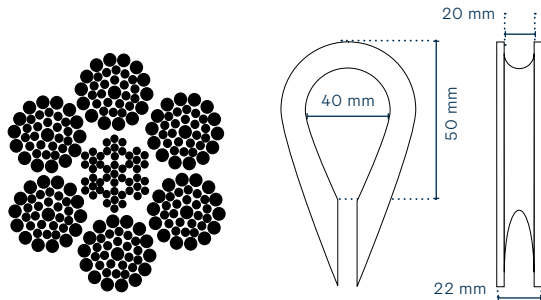
Thimbles are fixed to the ends of our steel wire ropes with Talurit-type conical ferrules; the ferrules are fitted by cold pressing in compliance with European standards EN 13411 and DIN 3093.

The inspection hole on the ferrule is useful for the rope manufacturer for tests and inspections, but not necessarily for the end user (EN 13411-3).

It is remotely possible for a rope to slip from a ferrule, however before this happens the rope thimbles will already have changed shape. Regular checking of the thimble shape together with rope strand condition tests are an excellent guarantee of safety.

*SWL/WLL = Safe Working Load / Working Load Limit

6 strand rope with 26 wires each total 216 wires.



Roundslings

Essential for lifting and hanging loads and structures



RGRS polyester roundslings

Black endless polyester slings. Useful for creating basket or choke bridles on structures and trusses.

- Endless slings
- Black polyester anchoring 100%
- Sheath made in a highly abrasion-resistant material

Tecnical specification RGRS

2 models	→	1.0 and 2.0 tons
6 sizes	→	from 0.5 to 3 metres in diameter
Safety factor	→	7:1

Code	1000 kg	Code	2000 kg
RGRS101	0.5 m EWL	RGRS201	0.5 m EWL
RGRS102	1.0 m EWL	RGRS202	1.0 m EWL
RGRS103	1.5 m EWL	RGRS203	1.5 m EWL
RGRS104	2.0 m EWL	RGRS204	2.0 m EWL
RGRS105	2.5 m EWL	RGRS205	2.5 m EWL
RGRS106	3.0 m EWL	RGRS206	3.0 m EWL



RGSS soft steel slings

Steel wire loop sling protected with black reinforced sheath abrasion-resistant. When installed, it does not need any additional safety device.

- High heat resistance
- Core: 25 loops of zinc plated 2mm wire rope
- Inspection gap permits a complete inspection of the wire rope
- They comply with the Standards EN 13414 1-3, EN 1492-2, BGV-C1

Tecnical specification RGRSS

1 models	→	2 tons
3 sizes	→	from 1 to 3 metres in diameter
Safety factor	→	5:1

Code	2000 kg
RGSS202	1 m EWL*
RGSS203	1.5 m EWL
RGSS204	2 m EWL
RGSS206	3 m EWL

MODE FACTOR			WLL* capacity of a roundsling	
			1000 kg	2000 kg
	Direct tension	1.0	1000	2000
	Choke	0.8	800	1600
	Up to 7°	2.0	2000	4000
	Over 7° up to 45°	1.4	1400	2800
	Over 45° up to 60°	1.0	1000	2000
	Over 7° up to 45°	0.7	700	1400
	Over 45° up to 60°	0.5	500	1000

The MODE FACTOR, i.e. the way a roundsling is used, should always be considered when calculating rigging capacities. For this reason and owing to their susceptibility to shear, roundslings have a coefficient of 7 (EN 1492-2).

Do not tie or connect roundslings to each other since this reduces their actual capacity in an uncontrollable way.

*EWL= Effective Working Length

*WLL= Working Load Limit

Belt ratchets

Anchoring consisting of 35 and 50mm polyester belts for fastening and safety. Belt ratchets are often used to tension roof system sheets.



RGBR black belt ratchets
50 mm (claw hook)

- Belt ratchet and hooks made in tropicalized galvanized steel
- Belt in 100% polyester, a highly abrasion-resistant material
- PVC plate with WLL

Tecnical specification RGBR	
3 models	→ 50 mm
Sizes	→ 6 – 8 – 12 m (3 and 6 m available until stocks are exhausted)
Safety factor	→ 2:1

Code	WLL	Width	EWL
RGBR55006GH	5000 kg *	50 mm	6 m
RGBR55008GH	5000 kg *	50 mm	8 m
RGBR55012GH	5000 kg *	50 mm	12 m

* Only if used a ring



RGBR2 black belt ratchets 35 mm

- Belt ratchet and hooks made in tropicalized galvanized steel
- Belt in 100% polyester, a highly abrasion-resistant material
- PVC plate with WLL

Tecnical specification RGBR	
2 models	→ 35 mm
Sizes	→ 2 – 8 metres
Safety factor	→ 2:1

Code	WLL	Width	EWL
RGBR23502K	2000 kg	35 mm	2 m
RGBR23508K	2000 kg	35 mm	8 m



RGBR5 black belt ratchets 50 mm

- Belt ratchet and hooks made in tropicalized galvanized steel
- Belt in 100% polyester, a highly abrasion-resistant material
- PVC plate with WLL

Tecnical specification RGBR	
2 models	→ 50 mm
Sizes	→ 8 – 12 metres
Safety factor	→ 2:1

Code	WLL	Width	EWL
RGBR55008G	5000 kg	50 mm	8 m
RGBR55012G	5000 kg	50 mm	12 m

Anchoring

These products are ideal for adjusting anchoring and bracing cables.



Tecnical specification RGTB	
2 models	→ from 1.0 to 2.36 tons
Excursion	→ 17.1 cm
Safety factor	→ 5:1

RGTB turnbuckles

Zinc-plated with forked ends for adjusting anchoring and bracing cables.

- Belt ratchet and hooks made in tropicalized galvanized steel
- Belt in 100% polyester, a highly abrasion-resistant material
- PVC plate with WLL

Code	Description	Max. closing	Max. opening	Excursion
RGTB10	1/2" turnbuckle 1 ton-414/585 mm	41.4 cm	58.5 cm	17.1 cm
RGTB20	3/4" turnbuckle 2,36 ton-540/640	51 cm	64 cm	14 cm



Tecnical specification RGBRT	
2 models	→ 2.0 tons
Variable excursion	→ from 0 to 4 m
Safety factor	→ 2:1

RGBRT pull lash straps

Belt tensioning ratchet with adjustable zinc plated hooks. Made with 50 mm black polyester belt, it has a 2 ton WLL.

- Chromo-plated ratchet with aluminium handle
- High abrasion resistance belt in polyester
- 2.5 ton WLL

Code	RGBRT
RGBRT25002H	Pull Lash Strap – 2.5 ton – 2 m with swivel hook
RGBRT25004H	Pull Lash Strap – 2.5 ton – 4 m with swivel hook



Tecnical specification RGCC	
2 models	→ 8 mm diameter
EWL	→ 2 – 3 m
Safety factor	→ 4:1

RGCC chain clutch sling

Chain adjustable sling, with safety latch chain clutch.

- 8 mm black DIN chain
- 2 ton master link ending
- 2 ton latch hook ending

Code	WLL	EWL
RGCCS20002MH	2000 kg	2 m
RGCCS20003MH	2000 kg	3 m



RGLCH anchoring chain 8 mm

It is a chain specifically thought to do wind bracing on truss systems thus guaranteeing the highest safety. It cannot be used for lifting loads. It is available in 2 lengths, 2 mt and 4 mt.

- DIN 763 Chain
- Grade 3
- Steel material.

Tecnical specification RGLCH	
2 models	→ 2x52 mm
EWL	→ 2 – 4 m
Weight/m	→ 1100 gr

Code	EWL
RGLCH085402	2 m
RGLCH085404	4 m

Hardware

The very best equipment for safe rigging.



RGBC beam clamps

Clamps suitable for hanging hoists and other lifting devices on I and H girders and beams.

- Made in steel
- Black powder coated
- Adjustable to fit a wide range of flange widths, until 320 mm
- Reduced overall vertical height
- Marked for traceability with serial number and CE

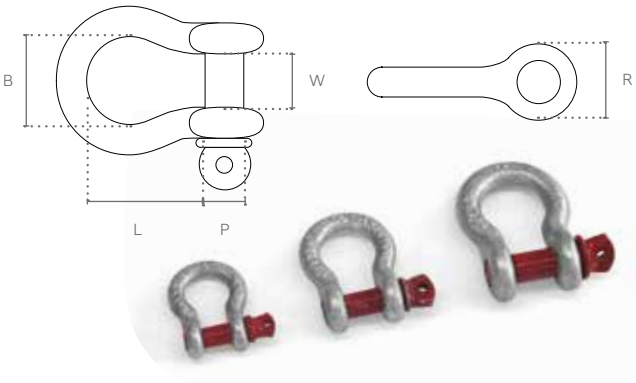
Tecnical specification RGBC	
3 models	→ from 1 to 3 tons
Maximum excursion	→ 1/2 ton: 284 mm; 3 ton: 365 mm
Safety factor	→ 4:1

Code	Beam Clamp	WLL	Truss Length	Weight
RGBC1B	WLL 1000 kg	1000 kg	75/230 mm	4 kg
RGBC2B	WLL 2000 kg	2000 kg	75/230 mm	5 kg
RGBC3B	WLL 3000 kg	3000 kg	80/320 mm	9 kg



SC60 safety cable

Tecnical specification SC60	
Wire	3 mm
WLL capacity	30 kg



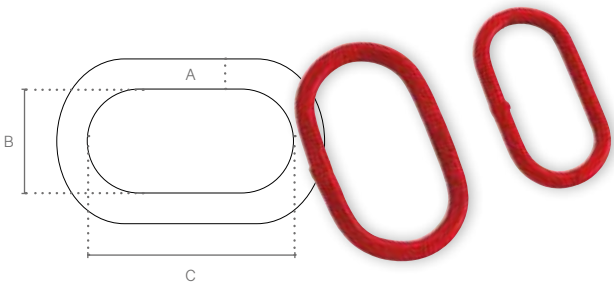
Tecnical specification RGSH	
3 models	→ from 2 to 4.75 tons
Weight	→ LT RGSH200C 0.34 kg LT RGSH325C 0.59 kg LT RGSH475C 1.021 kg
Safety factor	→ 5:1

RGSH omega shackles with threaded pin

3 kinds of zinc-plated omega shackles are available for anchoring connections and ropes.

- Zinc-plated steel omega shackles
- Red screw pin
- Each shackle is marked with its size in inches and millimetres and its WLL load limit

Code	size R	size B	size P	size W	size L
RGSH200C	34.5 mm	32 mm	16 mm	22.0 mm	51.0 mm
RGSH325C	40.0 mm	43 mm	19 mm	27.0 mm	64.0 mm
RGSH475C	47.0 mm	51 mm	22 mm	31.0 mm	76.0 mm



Tecnical specification RGML	
2 models	→ 2 and 3.15 tons
Weight	→ 0.53 and 0.92 kg
Safety factor	→ 4:1

RGML master links

Two master link models (2.4 and 3.15 tons) are available for anchoring connections using shackles.

Code	Master link	size A	size B	size C
RGML2120C	WLL 2.120 kg	16 mm	69 mm	118 mm
RGML3150C	WLL 3.150 kg	18 mm	77 mm	135 mm



Cablecross

Reliable cable protection

They are designed to meet the increasing need of a safe way of laying and protecting cables, hoses and ducts.

They are patented models and their continuous development has made them superior quality products.

They guarantee:

- Tidy laying of cables and ducts;
- Separated channels.
- They can contain plugs and sockets;
- They do not obstacle movement in public areas;
- They can be easily crossed by small wheels;
- They are extremely resistant to heavy vehicles crossing;
- They comply with safety regulations.

Cablecross 25HD

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Cablecross 66HD

28

Cablecross 25HD



3-channel cable duct. It is the best solution for holding electrical wiring, telephonic and data cables, hydraulic lines, in offices, yards, trade centres, markets, camping places, live events, exhibition centres, military and public areas.

Technical specifications

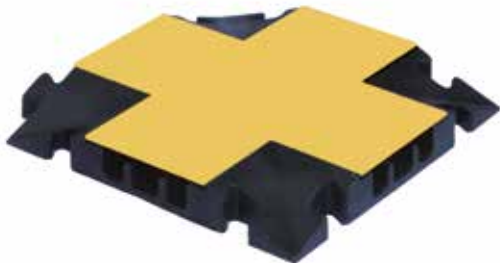
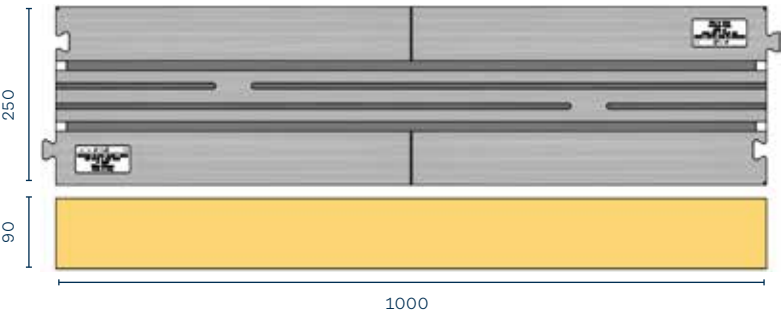
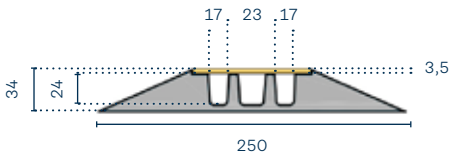
Use	→	pavement
Reaction to Fire:	→	CLASS 1 in accordance with the uni 9174 + uni 8457
It complies with the EEC 73/23 directives regarding the low voltage electrical equipment		
It can be crossed by heavy vehicles according to its maximum roll-on load: 170N/cm ²		
Excellent resistance to solvents, acids, oils and atmospheric agents		
Max. operating voltage:	→	1000v c.a. - 1500 v c.c.
Insulation resistance:	→	29.5 GΩ
Protection:	→	IP30xc (according to CEI EN 60529-9/92 regulations)
Surface hardness:	→	90-98 (shore A)
Body:	→	semi-rigid expanded polyurethane & auto-peeling moulded extremely resistant against cuts or incisions
Top lid material:	→	polycarbonate / PC (very flexible and resistant)
The lid is fixed to the base by means of a moulded tug hinge (velcro ®)		

Cablecross code

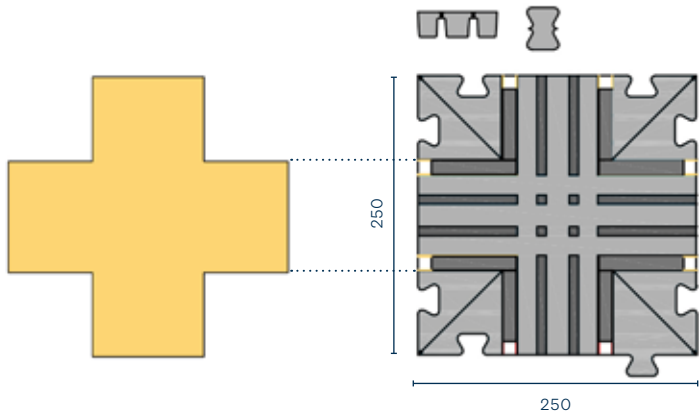
Cablecross code	Description
CC25HD	→ CC25HD Cablecross - 3 channel
CC25HDX4	→ 4-way cross CCH25HD corner
CC25LHD	→ CC25HD Cablecross lid
CC25LHDX4	→ 4-way cross CC25HD corner lid
CCSTM	→ CC Strap for lid – M Size
CC25LOGO	→ CC25HD Logo Personalization



Cablecross 25HD Code CC25HD		
Dimensions	→	250 x 34 x 1000 mm
Number of Cable-cross per package	→	5
Weight	→	2.85 kg
Lid weight	→	0.40 kg

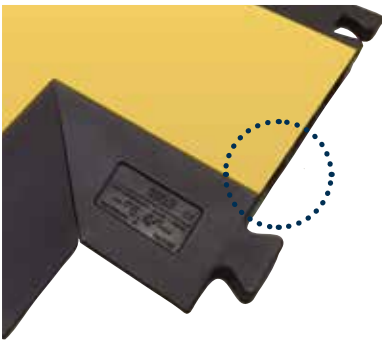


4-Way Cross Corner Code CC25HDX4		
Dimensions	→	250 x 34 x 250 mm
Number of Cable-cross per package	→	1
Weight	→	0.80 kg
Lid weight	→	0.20 kg



Cablecross 25HD

1. Rounded angles - no steps.
2. Moulded Velcro (not glued).
3. Ergonomic built-in handle with rounded edges.
4. Prearrangement for ground fastening.



Cablecross 66HD



3-channel cable duct. It is the best solution for holding electrical wiring, telephonic and data cables, hydraulic lines, in offices, yards, trade centres, markets, camping places, live events, exhibition centres, military and public areas.

Technical specifications

Use	→	pavement
Reaction to Fire:	→	CLASS 1 in accordance with the uni 9174 + uni 8457
It complies with the EEC 73/23 directives regarding the low voltage electrical equipment		
It can be crossed by heavy vehicles according to its maximum roll-on load: 170N/cm ²		
Excellent resistance to solvents, acids, oils and atmospheric agents		
Max. operating voltage:	→	1000v c.a. - 1500 v c.c.
Insulation resistance:	→	29.5 GΩ
Protection:	→	IP30xc (according to CEI EN 60529-9/92 regulations)
Surface hardness:	→	90-98 (shore A)
Body:	→	semi-rigid expanded polyurethane & auto-peeling moulded extremely resistant against cuts or incisions
Top lid material:	→	polycarbonate / PC (very flexible and resistant)
The lid is fixed to the base by means of a moulded tug hinge (velcro®)		

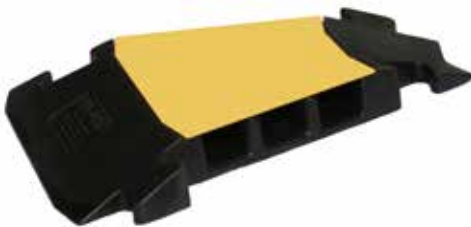
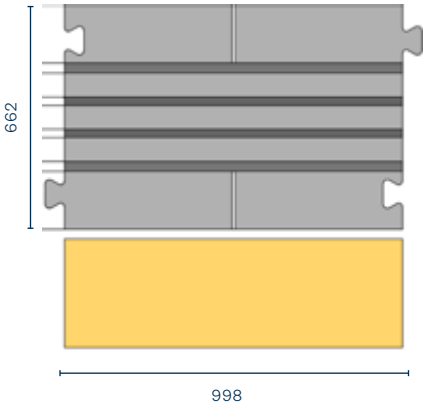
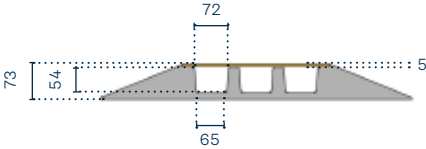
Cablecross code

Description

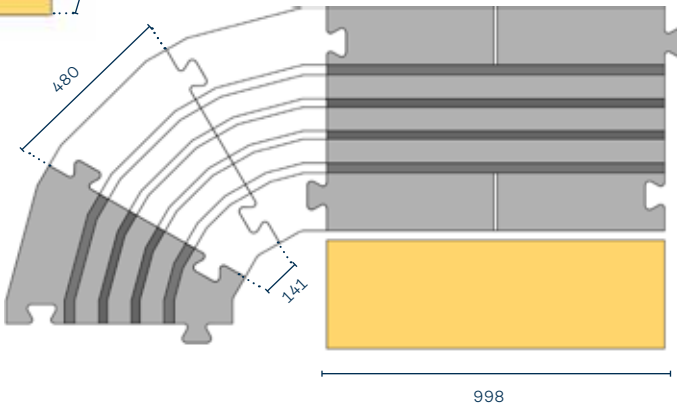
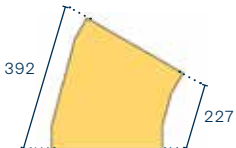
CC66HD	→	CC66HD Cablecross - 3 channel
CC66HDC30	→	30° 2-way cross CCH66HD corner
CC66HDT3	→	3-way “T” CC66HD Corner
CC66LHDC	→	CC66HD Cablecross Lid
CC66LHDT3	→	CC Strap for lid – M Size
CC66LHDC30	→	CC25HD Logo Personalization
CC66LHDC	→	4-way cross CC25HD corner lid
CC66LHDT3	→	CC Strap for lid – M Size
CC66LHDC30	→	CC25HD Logo Personalization



Cablecross 66HD Code CC66HD		
Dimensions	→	662 x 73 x 1000 mm
Number of Cable-cross per package	→	2
Weight	→	12.8 kg
Lid weight	→	1.5 kg

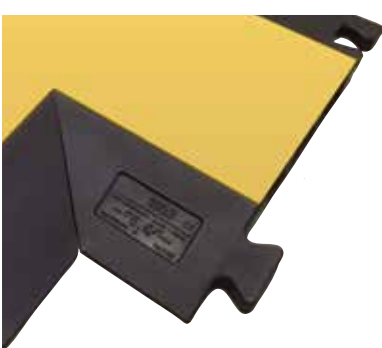


30° 2-WAY Corner Code CC66HDC30		
Dimensions	→	370 x 73 x 375 mm
Number of Cable-cross per package	→	1
Weight	→	3.7 kg
Lid weight	→	0.40 kg



Cablecross 66HD

1. Rounded angles - no steps.
2. Moulded Velcro (not glued).
3. 3-way “T” CORNER
4. Prearrangement for ground fastening.





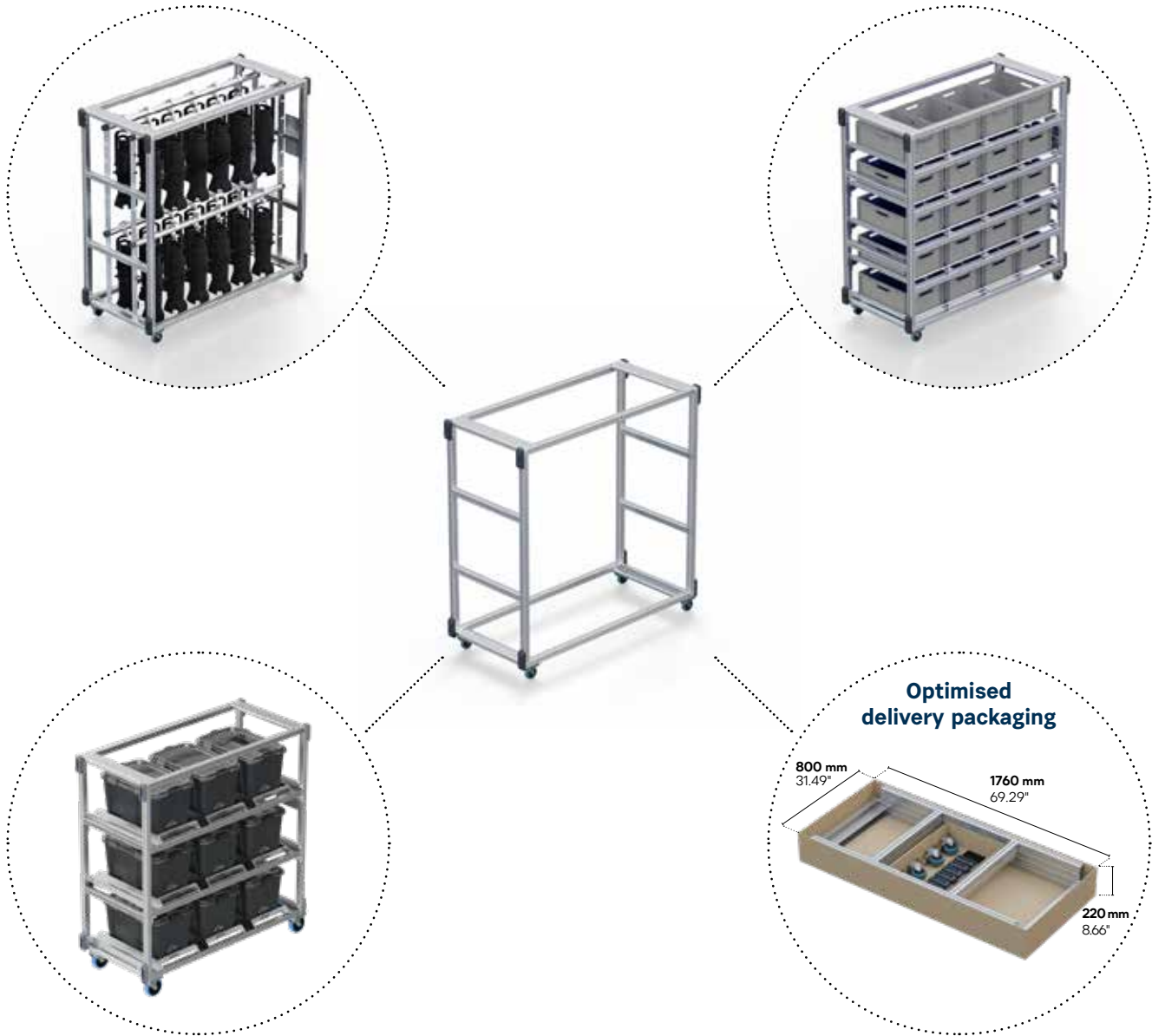
Move your stuff

Xcart⁴

Utility Dolly

Aluminium-framed cart engineered for flexible transport and storage of cables, luminaires, and equipment cases.

- Can be configured as a pre-rig tower with the optional telescopic extension.
- Rated for payloads up to 400 kg (approx. 881 lbs).
- Fitted with protective bumpers on all sides; supplied with standard 100 mm castors or optional 160 mm outdoor wheels.
- Weather cover (rain and dust protection) available on request.
- Truck-friendly footprint: 1800 × 1800 × 800 mm (70.86" × 70.86" × 31.50").
- Fast, tool-free assembly and dismantling.
- Custom-branded profile covers available upon request.



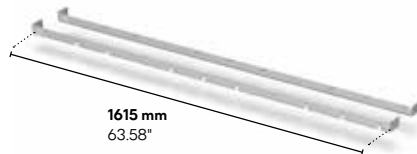
1.80 x 1.80 x 0.80 m - 100 mm castors

Code	Weight - kg (lbs)
DXC-FI001	68.60 (151.24)
Multi-purpose cart base with 100 mm castors	



1.80 x 1.86 x 0.80 m - 160 mm castors

Code	Weight - kg (lbs)
DXC-F0001	71.80 (158.30)
Multi-purpose cart base with 160 mm castors	



Rack - Left / Right

Code	Weight - kg (lbs)
DXC-A001	3.00 (6.61)
Pair of racks (left + right)	



Light Bar

Code	Weight - kg (lbs)
DXC-A002	2.80 (6.18)
Single bar for rack connection	



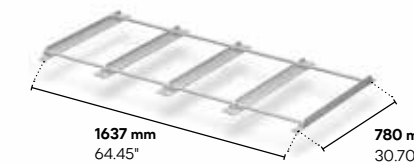
Tube for Cable Holders

Code	Weight - kg (lbs)
DXC-A003	3.30 (7.43)
Rectangular tube for rack connection	



Rack - Cable Holder

Code	Weight - kg (lbs)
DXC-A004	0.80 (1.76)
Cable holder for rectangular tube connection	



Deck for Boxes - Bottom Level

Code	Weight - kg (lbs)
DXC-A005	10.00 (22.04)
Lower deck for boxes with fastening kit	



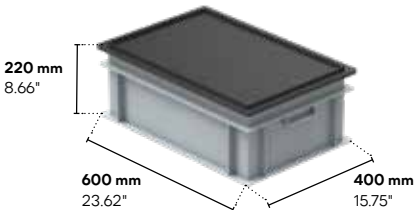
Deck for Boxes - Upper Level

Code	Weight - kg (lbs)
DXC-A006	21.00 (46.30)
Top deck for boxes with fastening kit	



Telescopic Frame

Code	Weight - kg (lbs)
DXC-A010	15.00 (33.07)
Height-adjustable frame up to 3 m	



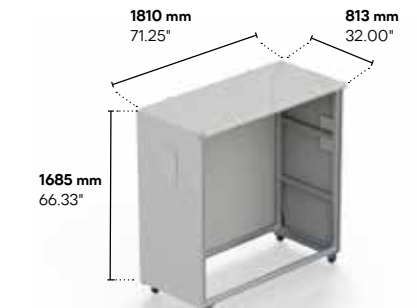
Multi-purpose container w/ sealable Sliding Top

Code	Weight - kg (lbs)
Container: DXC-A007	2.03 (4.49)
Top: DXC-A008	
Multi-purpose container - 40 litres	



Heavy-duty Technical Container

Code	Weight - kg (lbs)
DXC-A009	3.60 (7.92)
Heavy-duty technical container - 76 litres	



Protective Cover

Code	Weight - kg (lbs)
DXC-A011	5.00 (11.02)
Rain and dust-proof cover	



FOLDABLE STAGE STAIR-DECK

The Stairs that turn into a Stage Deck (and vice versa)

Foldable Stage Stair-Deck 2.07 m

ORDER CODE: LT ASSLY-001

The smart solution to integrate a foldable staircase, available on request for compatibility with almost any other brand of stage scaffoldings.

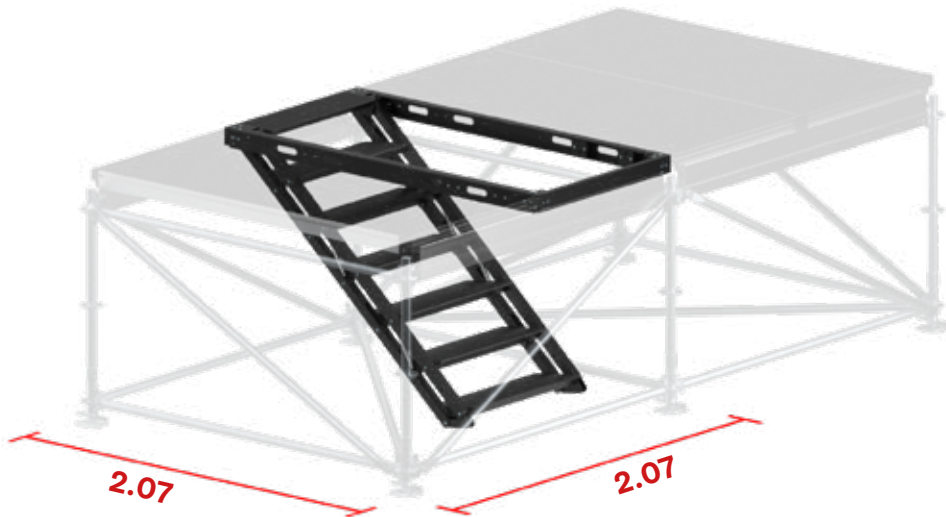


A **spring-assisted system** to facilitate lifting and lowering operations.



The surface of each step is made from aluminium, featuring a special anti-slip finish. Additionally, to ensure safety under rainy conditions, **each step integrates drainage holes**.

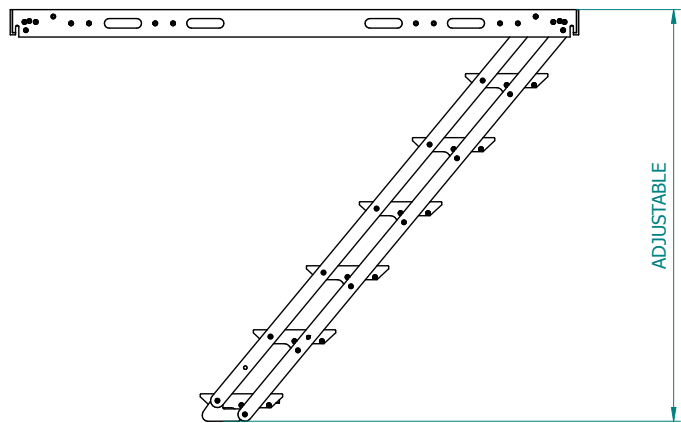
A smart innovation by LITEC: The new Stage Deck with integrated Foldable Stairs



Crafted entirely from lightweight aluminium, this solution features anti-slip treads on the steps and a **self-levelling mechanism that adapts to the stage height**.

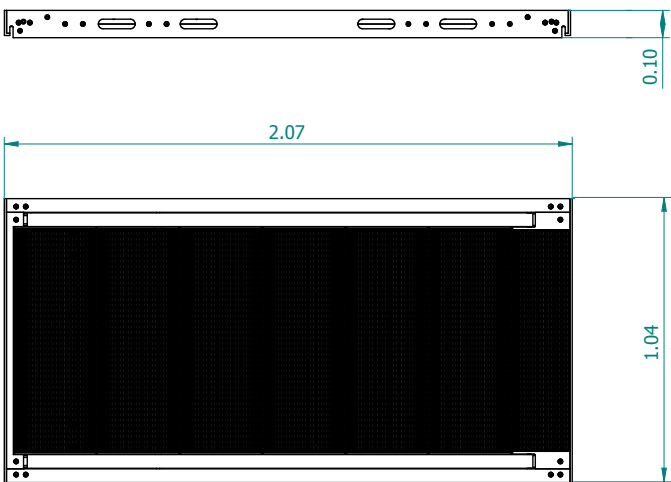
The design has been developed to ensure compatibility with the world's leading scaffolding stage deck systems. Each stair deck is custom-made **to perfectly match the stage decks you already own**.

The entire module comes as standard with a matte black anodised finish.



These drawings show the dimensions of the model compatible with the 2.07 x 1.04 m deck of the Layher Event Stage System line. The total weight is 80 kg. Other models of our Foldable Stage Stair-deck can be made on request to comply with the standards of other stage scaffolding manufacturers.

(For more details, please contact our technical office.)

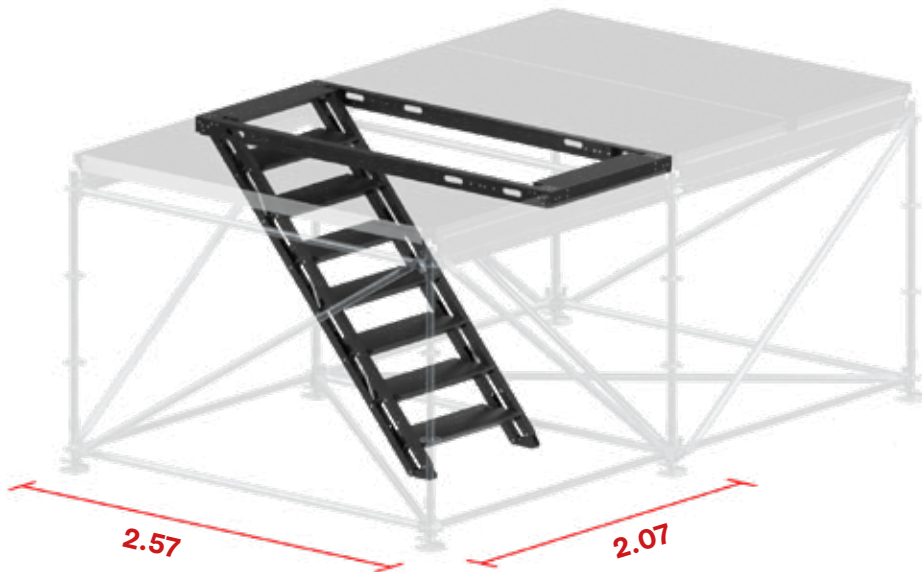


The Stairs that turn into a Stage Deck (and vice versa)

Foldable Stage Stair-Deck 2.57 m

ORDER CODE: LT ASSLY-002

To comply with the various standards of the Layher Event Stage System line, a 2.57 m long version is also available.

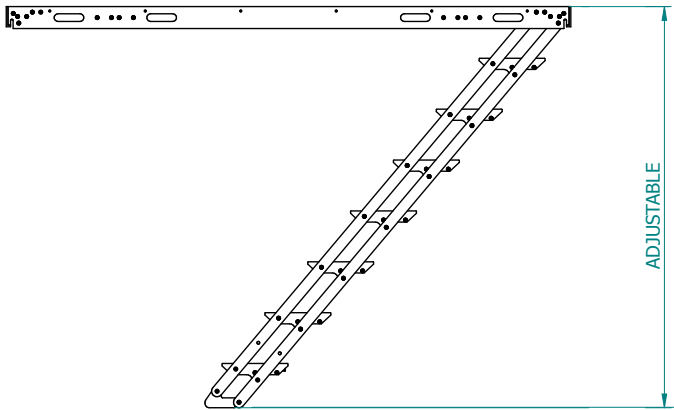


In this version, the staircase consists of seven steps. In both models, the staircase self-adjusts according to the stage height.

Only the inclination changes, ensuring the staircase remains firmly grounded at all times.

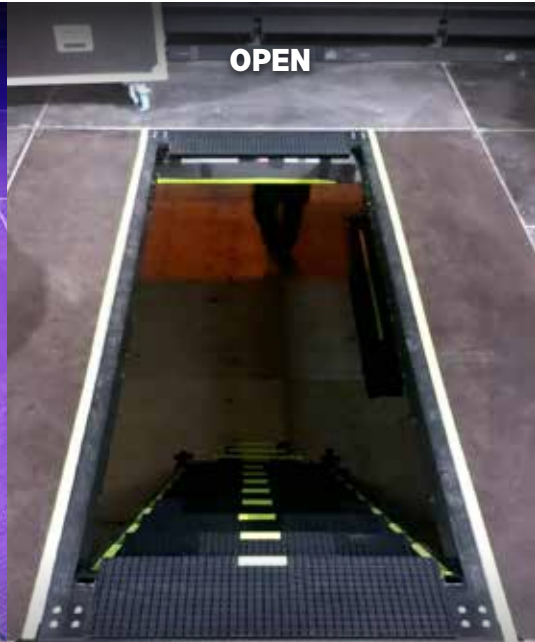
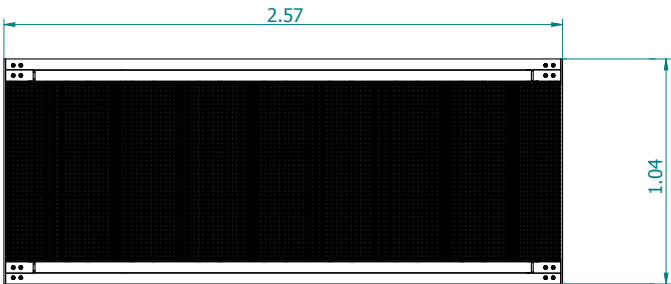
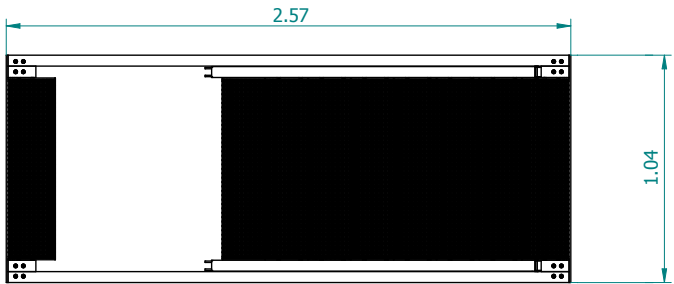
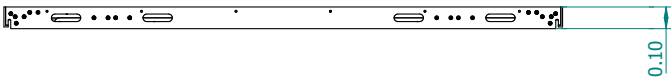
Safety and stability are combined with the advantage of a quick and easy installation.

A smart innovation by LITEC: The new Stage Deck with integrated Foldable Stairs



These drawings show the dimensions of the model compatible with the 2.57 x 1.04 m deck of the Layher Event Stage System line. The total weight is 98.5 kg. Other models of our Foldable Stage Stair-deck can be made on request to comply with the standards of other stage scaffolding manufacturers.

(For more details, please contact our technical office.)



FOLDABLE STAGE STAIR-DECK



Area Four Industries Italia S.r.l.

お問い合わせ先
ALL CREATION, INC
株式会社オールクリエーション
【本社】
〒537-0001
大阪府大阪市東成区深江北3丁目15-17
TEL : 06-6975-5006

【新宿オフィス】
〒162-0053
東京都新宿区原町3丁目19 ラーズビル6F
TEL : 044-930-0351

info@all-creation.co.jp
www.all-creation.co.jp

