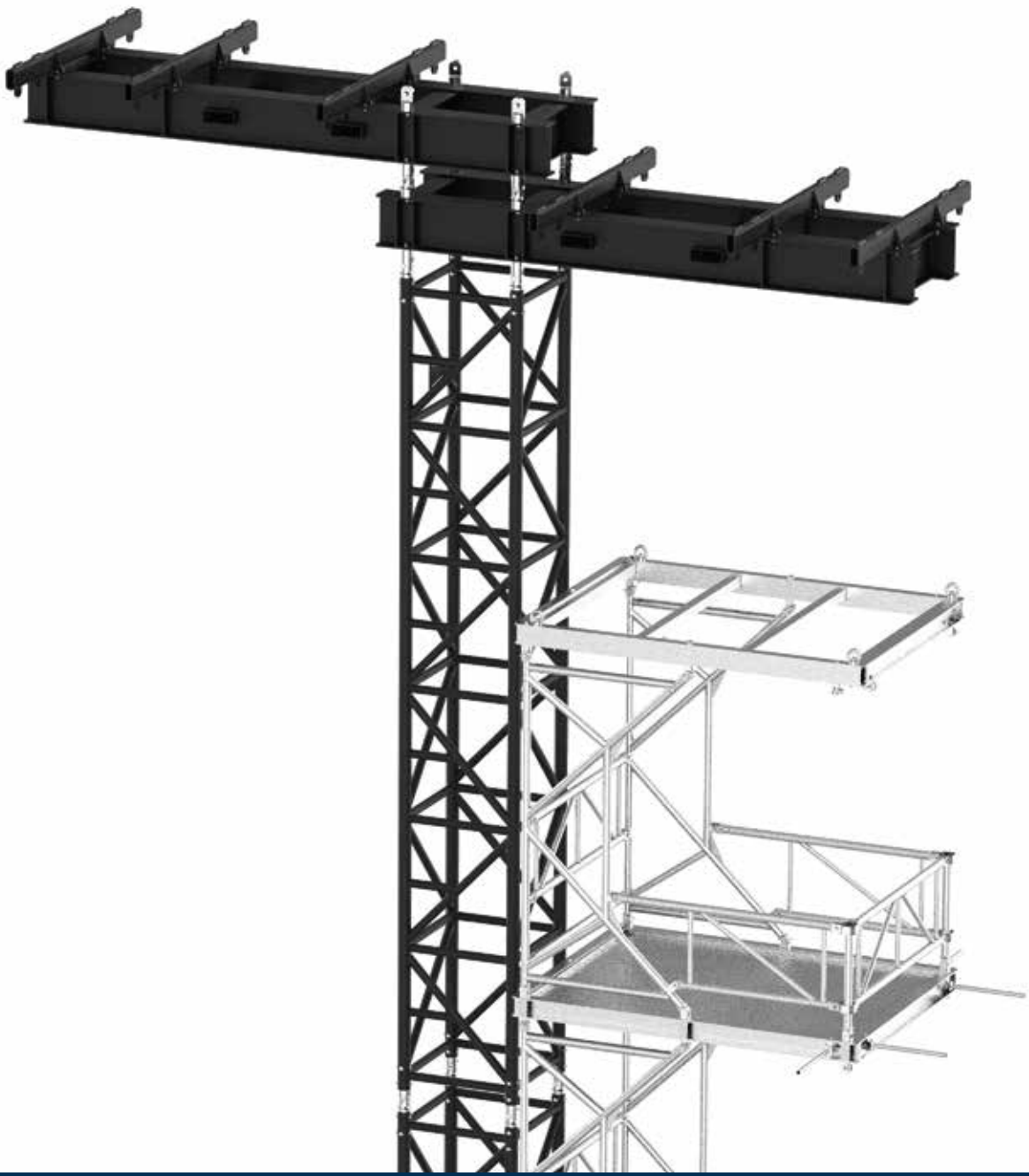
LITEC

TRUSSWORTHY PASSION



RELEASE
01

FLYINTOWERS AND SPOT TOWERS

Flyintowers & Follow Spot Tower

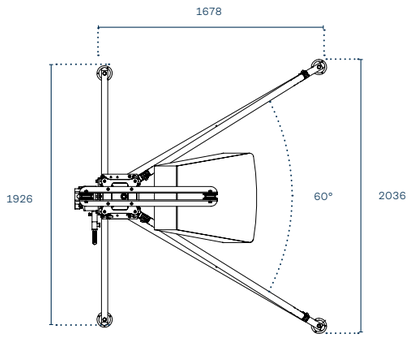
Stable sound reinforcement.

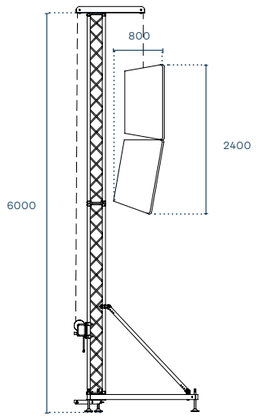
Complementing the Trussing products, PA Towers reflect LITEC's constructive concepts: linear forms and modular systems. Flyintowers, like the rest of LITEC's product line, are the result of years of experience in design and technology.

Flyintower 6-300

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 m^3
Adjustable legs	→	4
Maximum surface exposed to wind	→	2.5 m^2
Maximum lifting load capacity	→	300 kg





Surface of suspended mass exposed to the wind

m^2	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 o 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 m^2
→ A ballast weight > 433 Kg must be applied to the tower

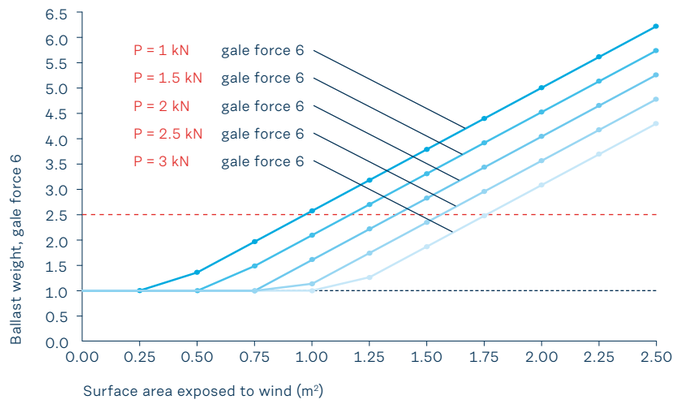
Instructions for outdoor use
Wind speed between 13.8 m/s (force 6) and 20.7 m/s (force 8)

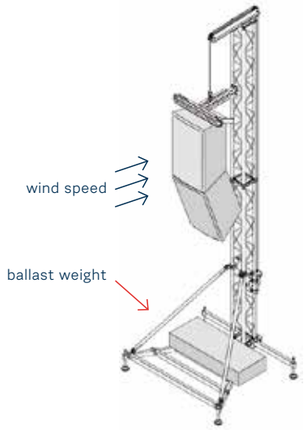
The tower may remain installed only if the following conditions are met:

→ 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.



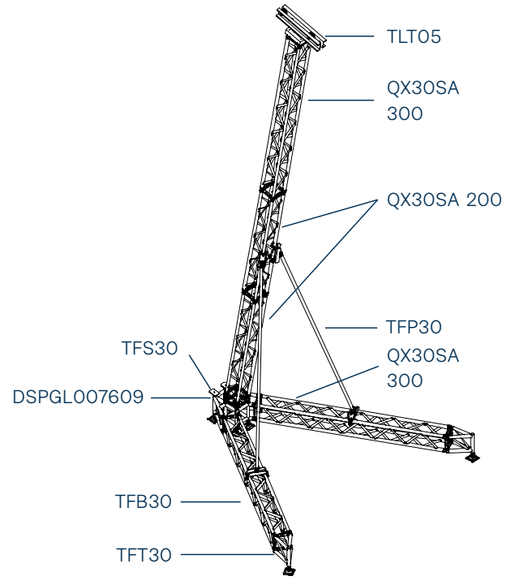


Flyintower 7.5-500 & 9.5-600

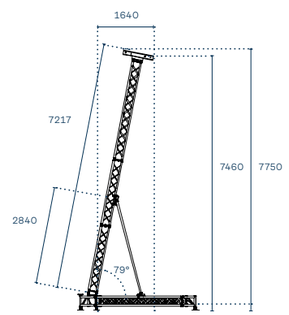
Support Tower for audio systems consisting of a QX30SA structure, suitable for lifting loads of up to 600 kg to a height of 9.5 metres.
To lift the loads, anchoring is provided for an electric chain hoist. Alternatively they may be lifted manually by adding a cable winch device.

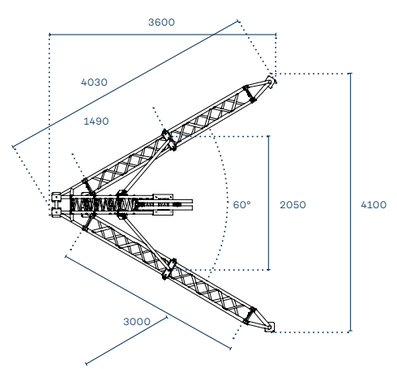
Flyintower		7.5-500		9.5-600
Maximum tower height	→	7.5 m	→	9.5 m
Weight	→	160 kg	→	225 kg
Maximum surface area of loudspeakers	→	2.5 m^2 front 2.0 m^2 back	→	2.5 m^2 front 2.0 m^2 back
Maximum wind speed	→	70 km/h	→	70 km/h
Required ballast weight	→	170 kg	→	130 kg
Maximum lifting load capacity	→	500 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

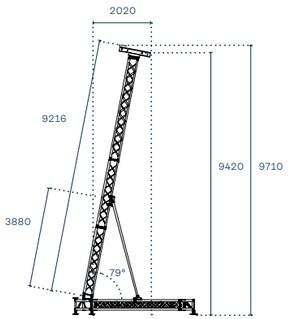


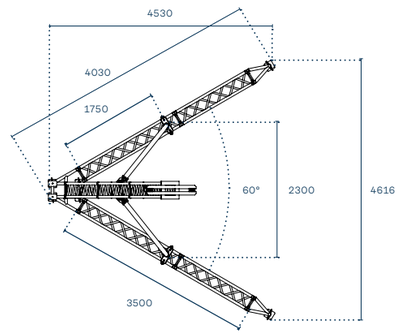
Flyintower 7.5-500





Flyintower 9.5-600



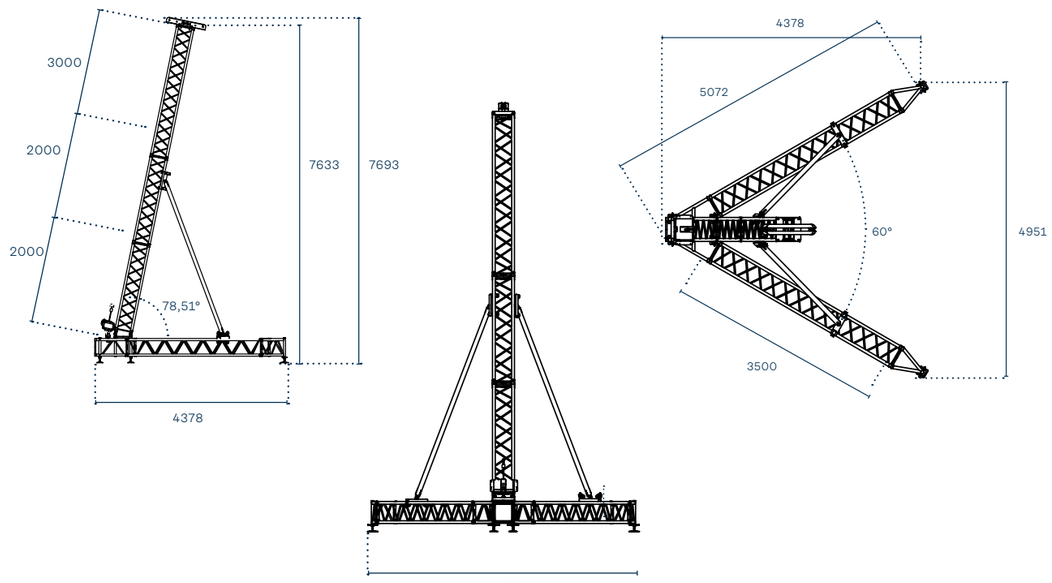


Flyintower 7.5-750 & 9.5-900

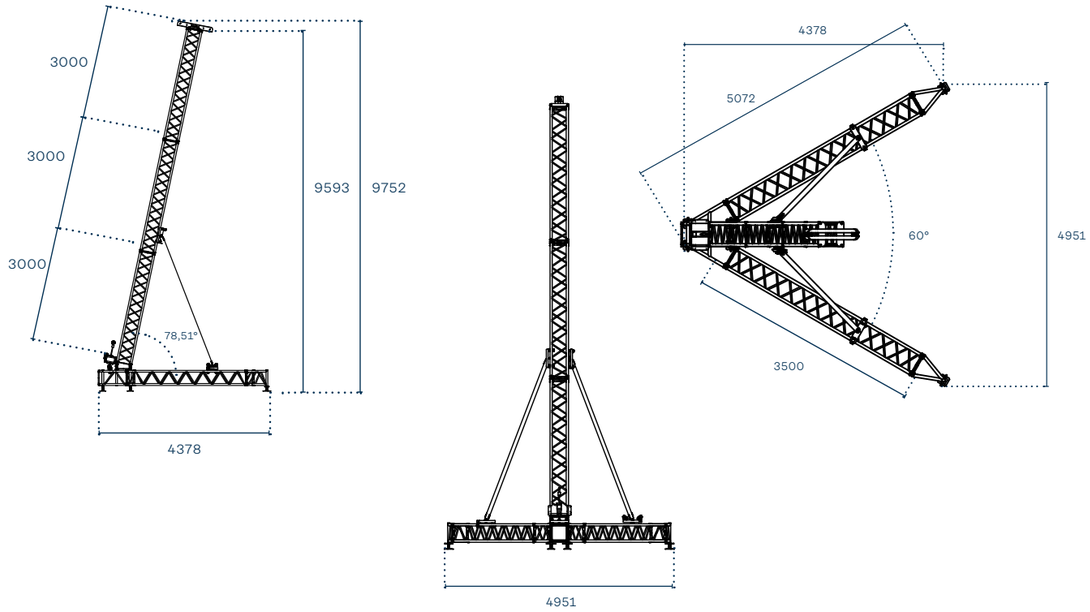
Support Tower for audio systems consisting of a QX40SA structure, suitable for lifting loads of up to 750 kg to a height of 7.5 metres or a QH40SA structure, suitable for lifting loads of up to 900 kg to a height of 9.5 metres. To lift the loads, anchoring is provided for an electric chain hoist.

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



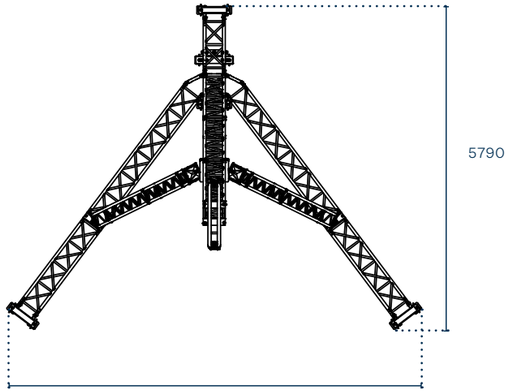
Flyintower 9.5-900

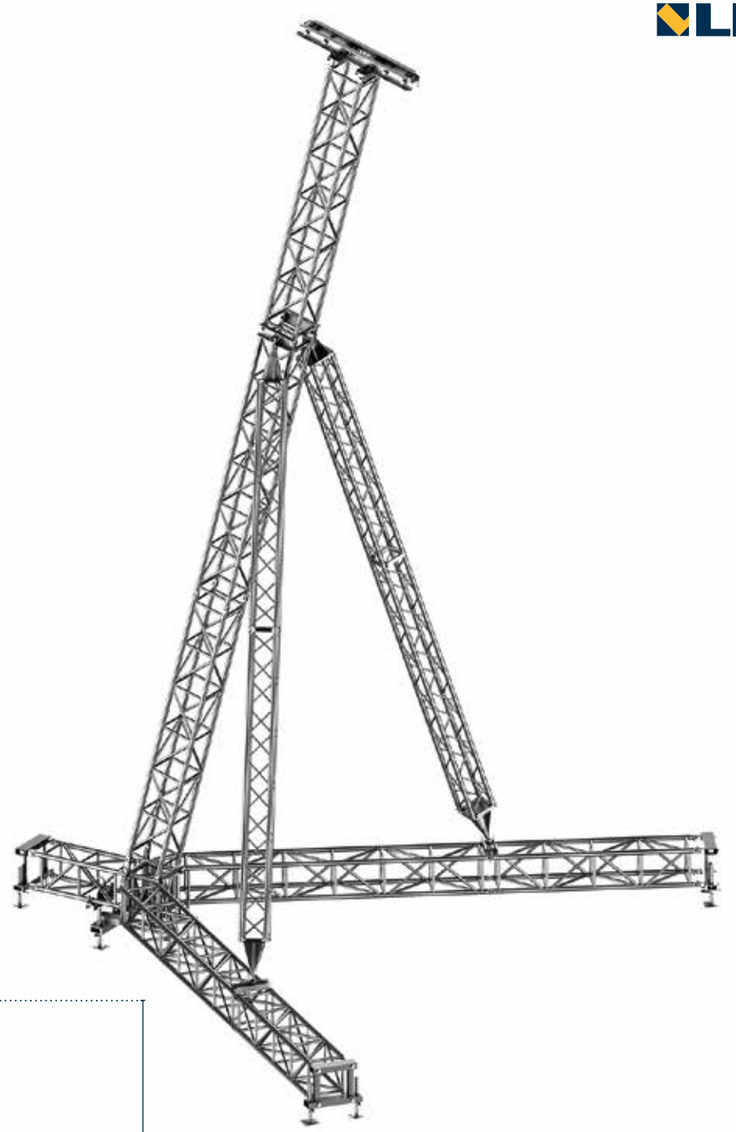


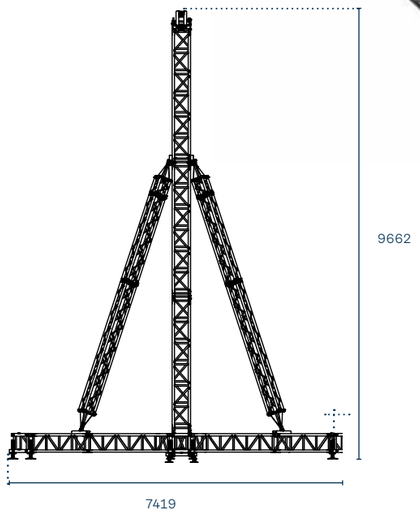
Flyintower 10-1,600

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



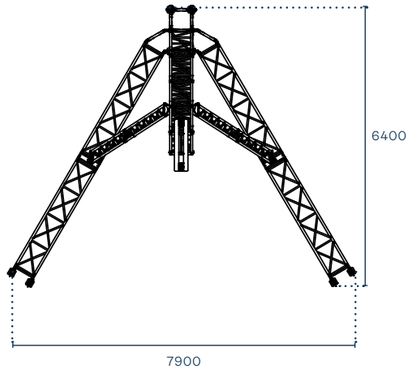


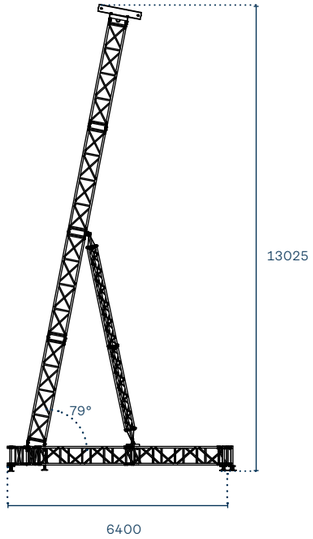


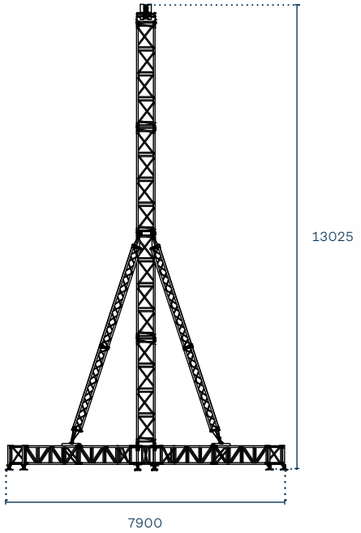
Flyintower 13-1,400

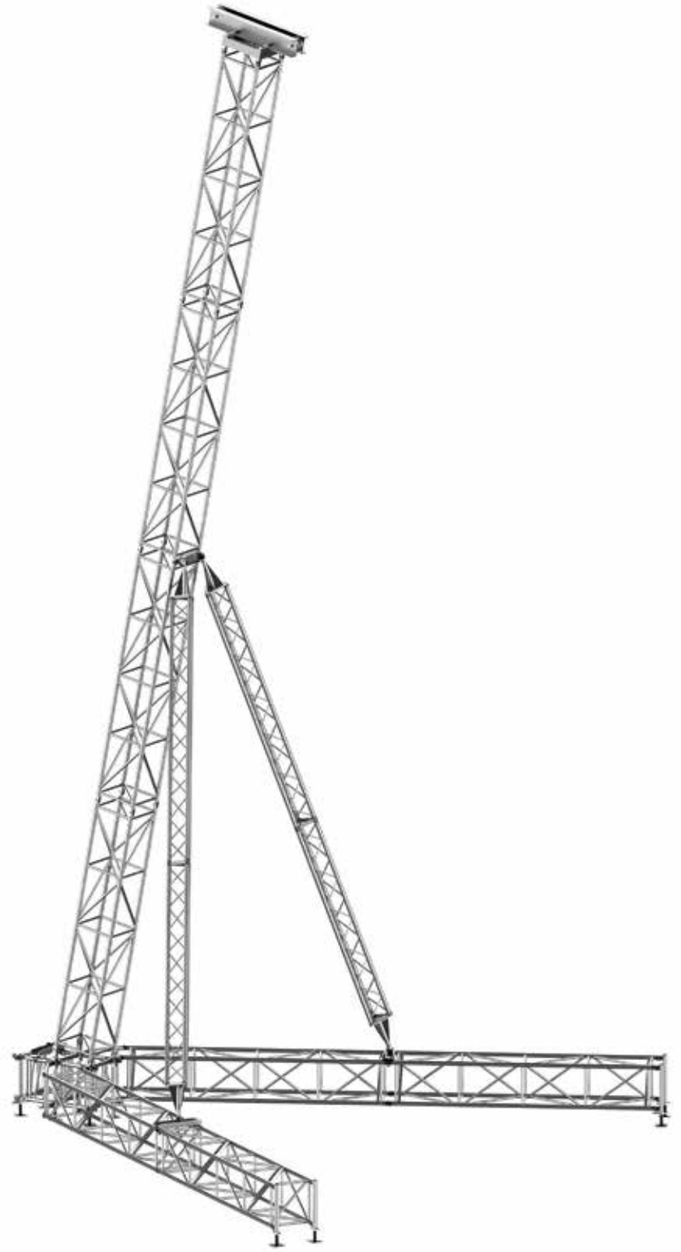
Support tower for for audio systems. Designed in QL52A, this new Flyintower is suitable for 1,400 kg loads and can reach the height of 13 meters, thus ensuring sturdiness and rigidity on relevant heights. It also utilized TX30SA trusses as stabilizing elements and is equipped with fork connections.

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





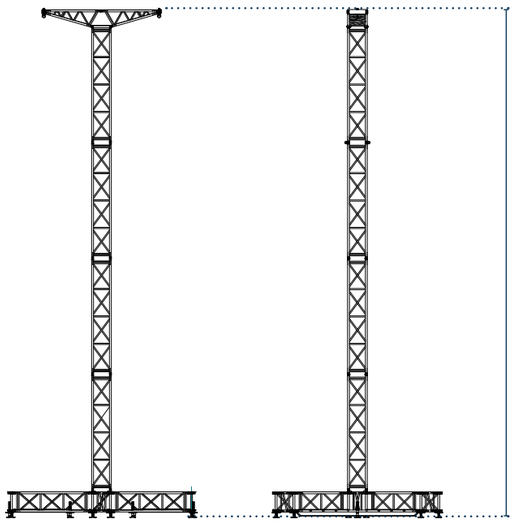


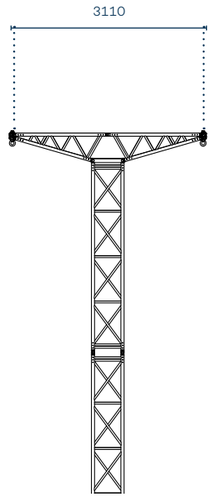


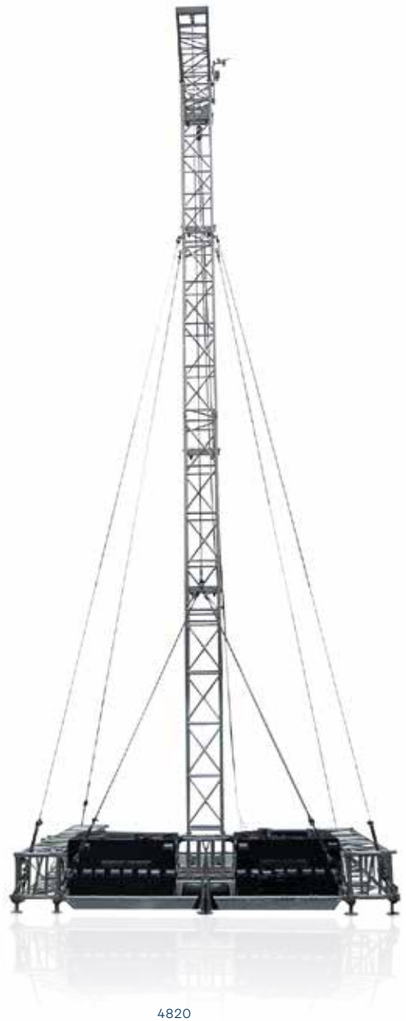
Flyintower 13-2,000

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



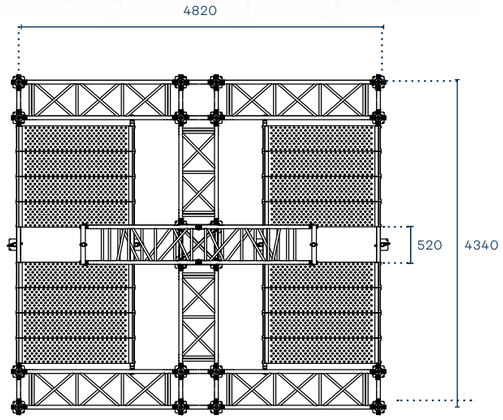




Flyintower 13-2,000

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.

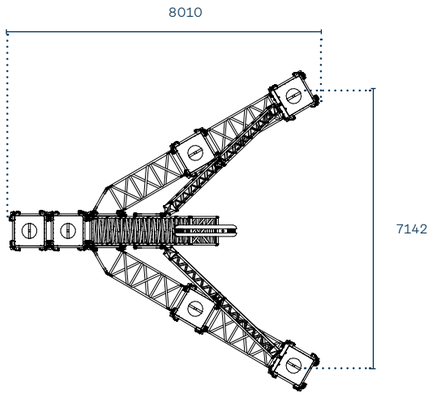
The Flyintower 13-2,000 has been studied so that it can be built using materials standard to the High Load series with only a few special elements added.
It can be assembled quickly, and occupies little floor space. Maximum load 200 kg.

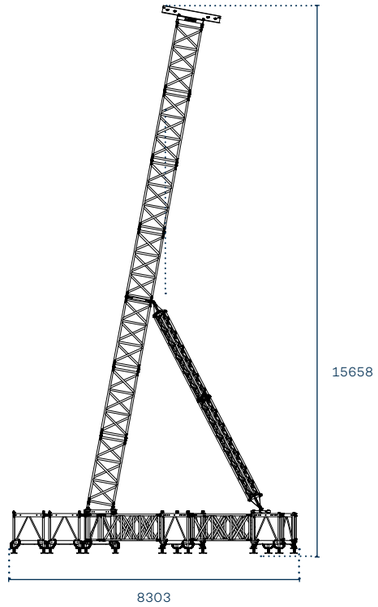


Flyintower 15-2,000

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.

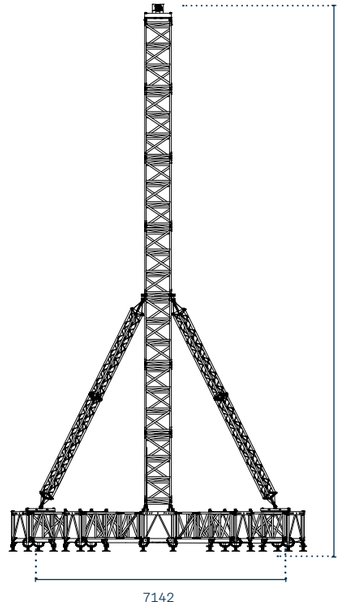
Maximum tower height	→	15 m
Vertical main truss	→	QL76A
Base dimensions	→	830 x 801 cm
Maximum lifting load capacity	→	2,000 kg

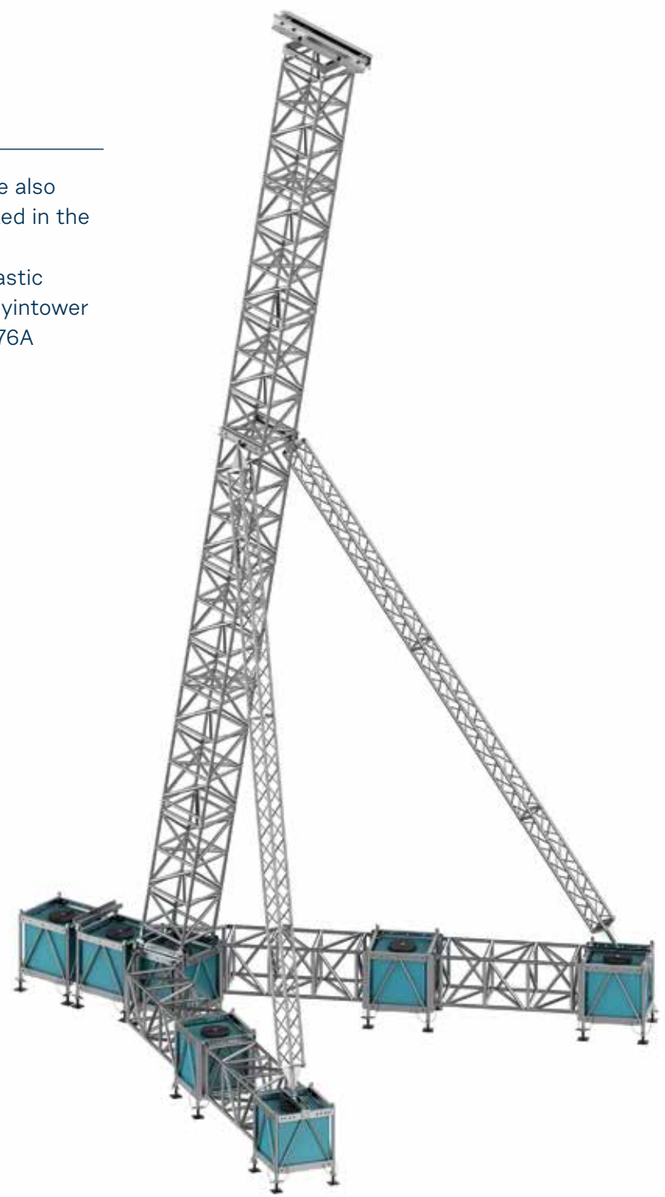




Flyintower 15-2,000

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.

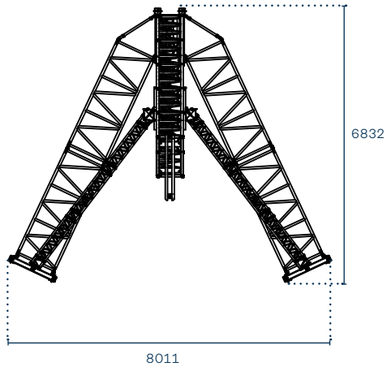


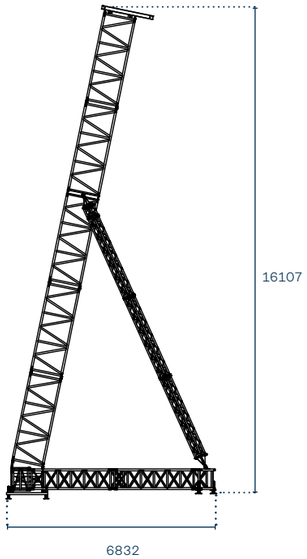


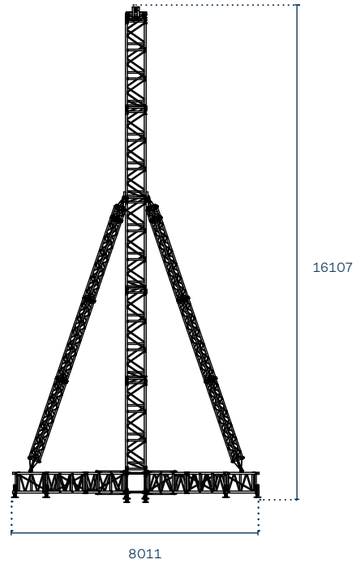
Flyintower 16-2,000

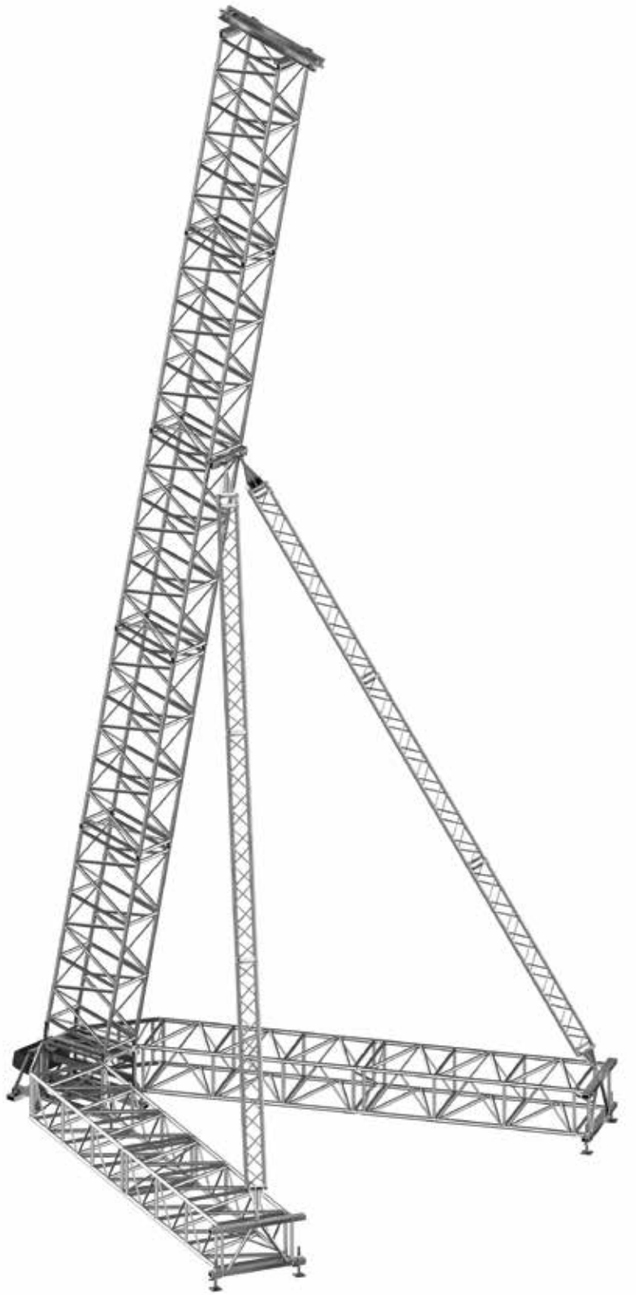
Support tower for for audio systems. Designed in RL105A, this new Flyintower is suitable for 2,000 kg loads and can reach the height of 16 meters, thus ensuring sturdiness and rigidity on relevant heights. It also utilized QH30SA trusses as stabilizing elements and is equipped with fork connections.

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







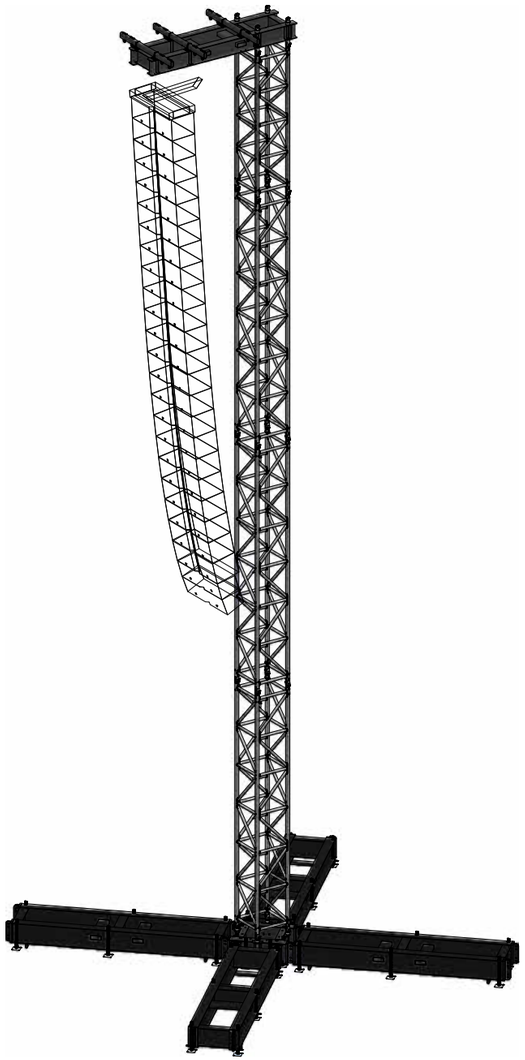


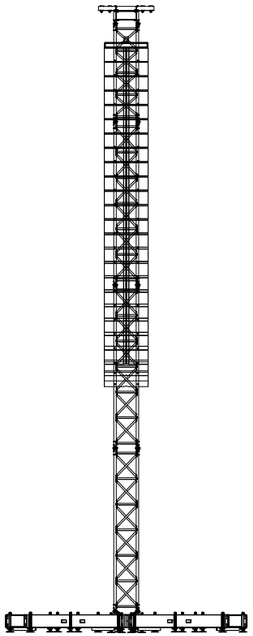
HiPe Steel Delay & Spot Towers

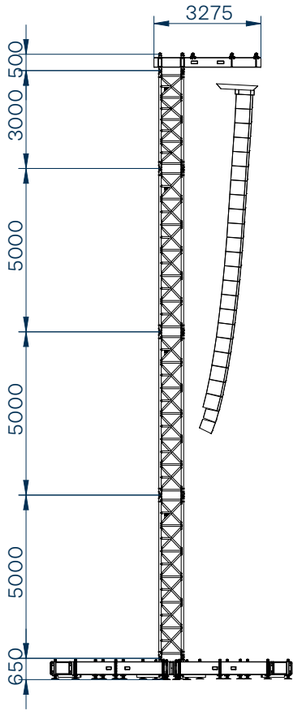
High Performance Steel Solutions

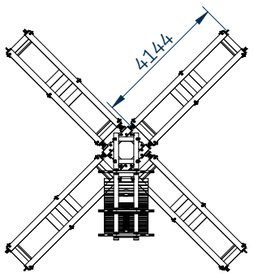
Steel delay towers that can also become Follow Spot towers with the addition of a second top. The new HiPE 76Q truss, made of special S700 steel and mounted on its own steel bases, allows for high loads, with stability and safety guarantees far superior to previous aluminum systems. Particularly when significant heights and spans need to be achieved.

Delay & Spot HiPe Towers

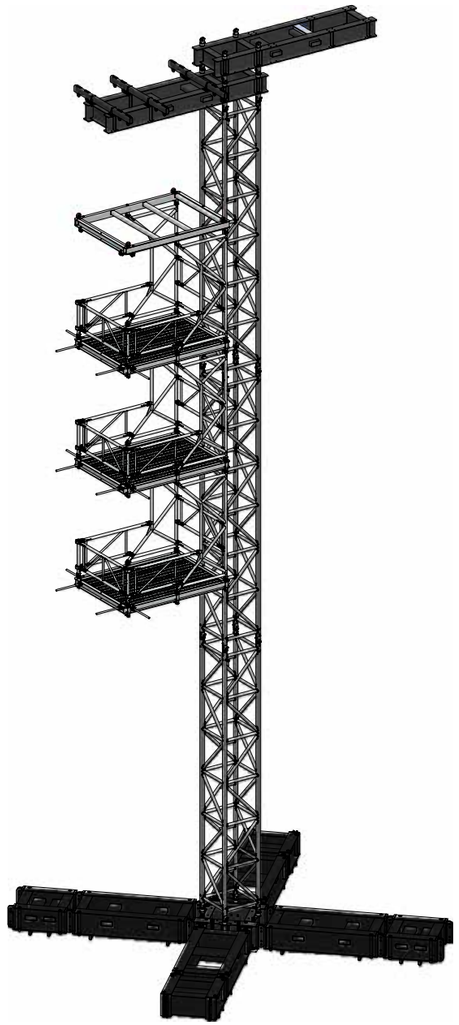


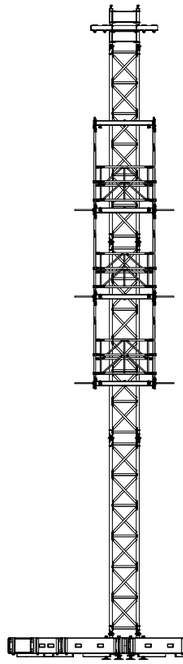


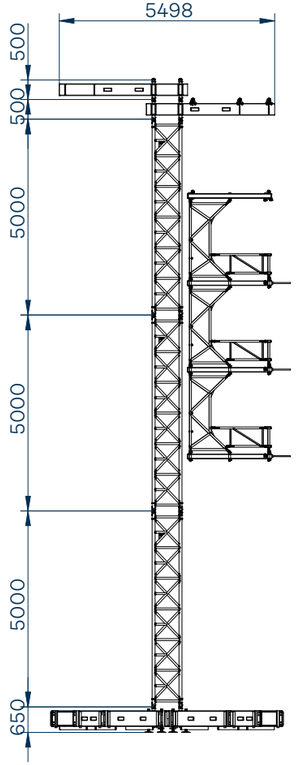


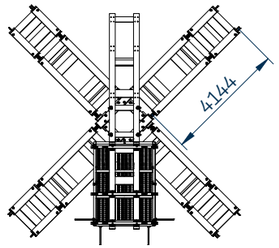


The configuration as a Delay Tower uses a single top. The achievable height is up to approximately 18 meters. Heights exceeding this need to be verified with our technical staff. Please note that adequate ballast is required for the ground bases.







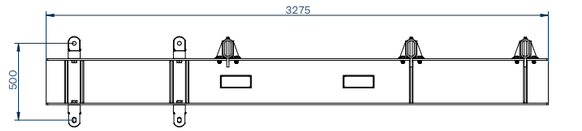


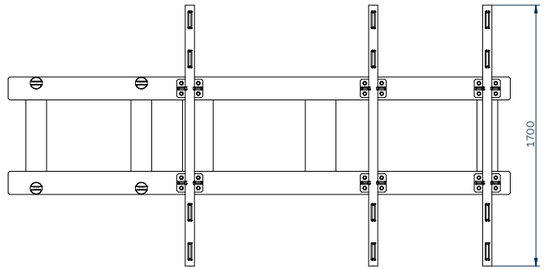
The configuration as a Delay Tower + Follow Spot Basket uses a double top.
The achievable height is up to approximately 18 meters. Heights exceeding this need to be verified with our technical staff. Please note that adequate ballast is required for the ground bases.

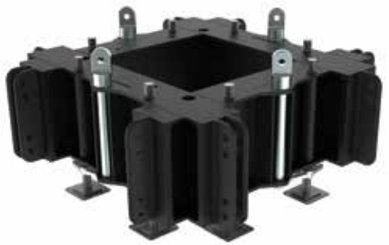
Delay & Spot Towers

The range, many models for various solutions.

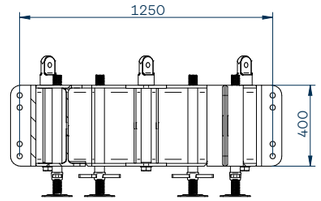
LT CS-76TTD3275-1 Steel Top Delay Tower

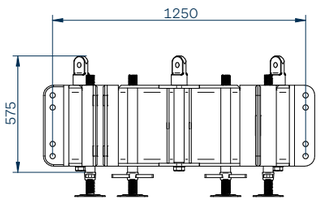




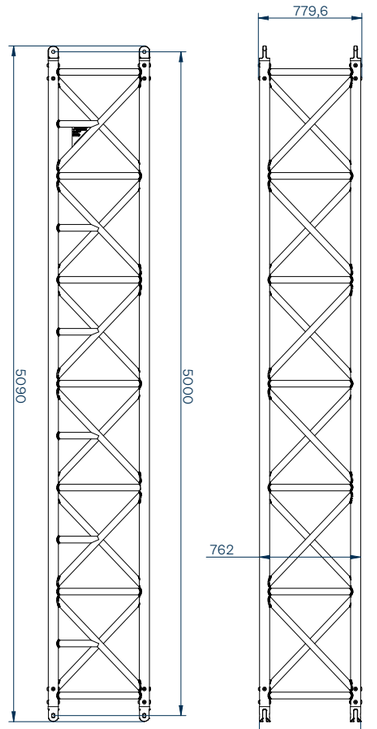


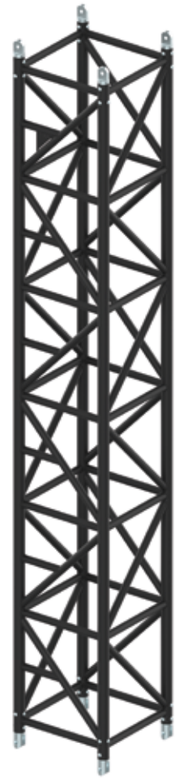
Steel Base L=1250mm LT CS-76B-1





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

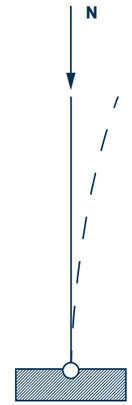
Self Weight		70 kg/m	Allowable Normal Force	$N_{Rd,truss}$	1507,20 kN
Surface Area	A_{truss}	3624,1 mm²	Allowable Bending Moments	$M_{y,Rd,truss}$	516,89 kNm
Moments of Inertia	$I_{y,truss}$	428614519 mm⁴		$M_{z,Rd,truss}$	516,89 kNm
	$I_{z,truss}$	428614519 mm⁴	Allowable Transversal Force	$V_{z,Rd,truss}$	137,85 kN
				$V_{y,Rd,truss}$	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

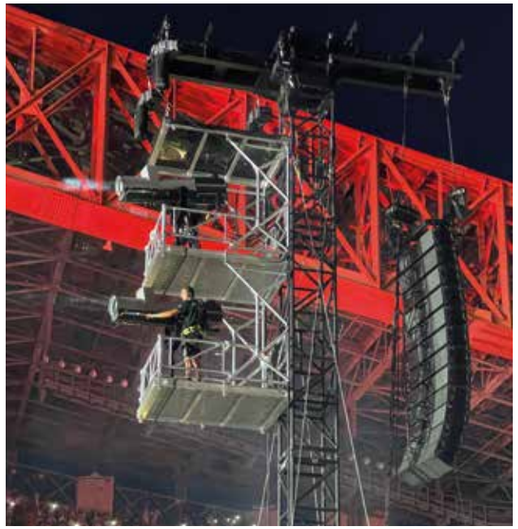
Condition B



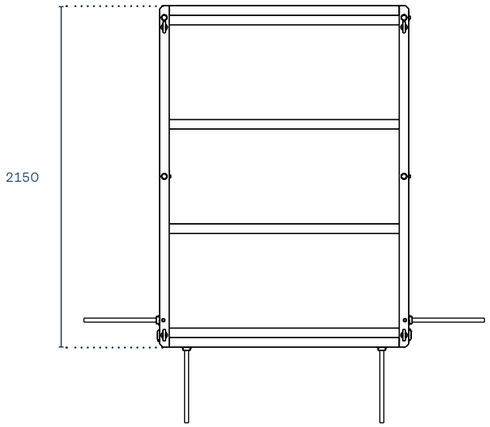
PERMISSIBLE LOADS COLUMN
Condition B

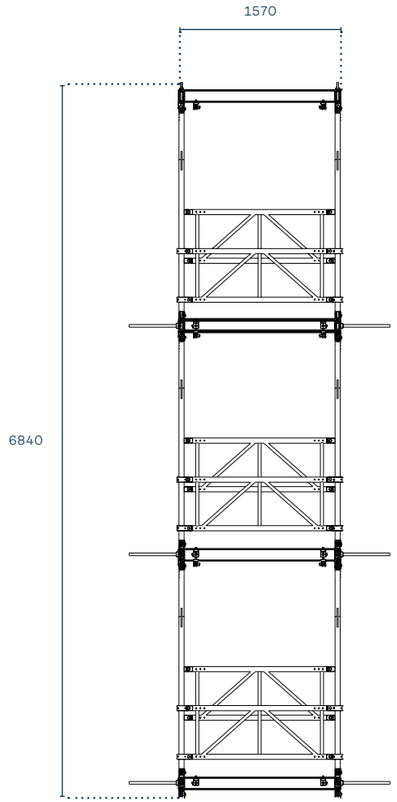
[m]	[kN]
5	744,1
6	660
7	575,9
8	497,8
9	427,8
10	368,8
11	317,9
12	276
13	241,1
14	211,3
15	185,4
16	164,6
17	145,9
18	130,1
19	116,3
20	103,6

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.





LT FL52FST-K01
Platform Follow Spot Tower

LITEC
TRUSSWORTHY PASSION

FLYINTOWERS AND SPOT TOWERS

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