

Quality management
certified according to
DIN EN ISO 9001

Energy management
certified according to
DIN EN ISO 50001

Environmental management
certified according to
DIN EN ISO 14001



Catalogue
2025/2026



LAYHER EVENT SYSTEMS

TABLE OF CONTENTS

01 Company	4
02 Software	6
03 Inspection books	8
04 System Overview	10
• Podiums	11
• Stand seats	11
05 Stages and Podiums	12
• Basic components	14
06 Stands	22
• Basic components	24
• Stand roof	28
07 Towers and Walls	32
• FOH Tower	34
• Video wall system	38
• PA Tower PLUS	40
• PA Tower MAXI	41
08 Steel Truss	42
• Basic components	44
• Index	46



Subject to technical modification. Component weights are subject to fluctuations due to tolerances and may therefore diverge from what is specified.

Steel components are hot-dip galvanized according to EN ISO 1461 and DAST guideline 022. Connection parts or other small pieces can be galvanized according to EN ISO 4042.

Our deliveries shall be made exclusively in accordance with our at the conclusion of contract valid General Terms of Sale. These include the following provisions: The place of performance is Gueglingen-Eibensbach. Title to the delivered goods shall be retained until full payment has been made. The fully GTC you can find here: gtc.layher.com

Please request the specific instructions for assembly and use when ordering. Protected by copyright. Not to be reproduced, either in whole or in part. Misprints and errors excepted.

01

THE
COM
PANY

Quality made by Layher comes from Gueglingen-Eibensbach. Our company has set down deep local roots since it was established. Right up until today, development, production and management are all in one place. This proximity creates advantages that benefit our customers all over the world: short distances, short response times, controlled quality and production.

Layher's history began more than 75 years ago with the manufacture of ladders and other agricultural equipment. Since then, Layher has significantly influenced the market for scaffolding and access technology. Today, more than 2,700 employees create more possibilities for our customers every day with a comprehensive range of services, a sustainable training programme and customer proximity. In more than 50 countries worldwide.

Layher lives **economic and ecological sustainability** in all process steps. Social responsibility towards employees, customers and society takes centre stage.



Headquarters in Eibensbach



Discover the world of
Layher in its company film.



Plant 2 in Gueglingen



Plant 3 in Cleebonn

WITH LAYHER, THERE ARE MORE POSSIBILITIES.

A comprehensive range of innovative products,
application-orientated solutions and comprehensive services
for easy, fast and safe working at height.

A person is sitting at a desk in an office, working on a computer. The desk has a keyboard, a mouse, and a cup. The background shows a window with a view of a city skyline. The text '02' is overlaid in white, and 'SOFTWARE' is overlaid in orange.

02

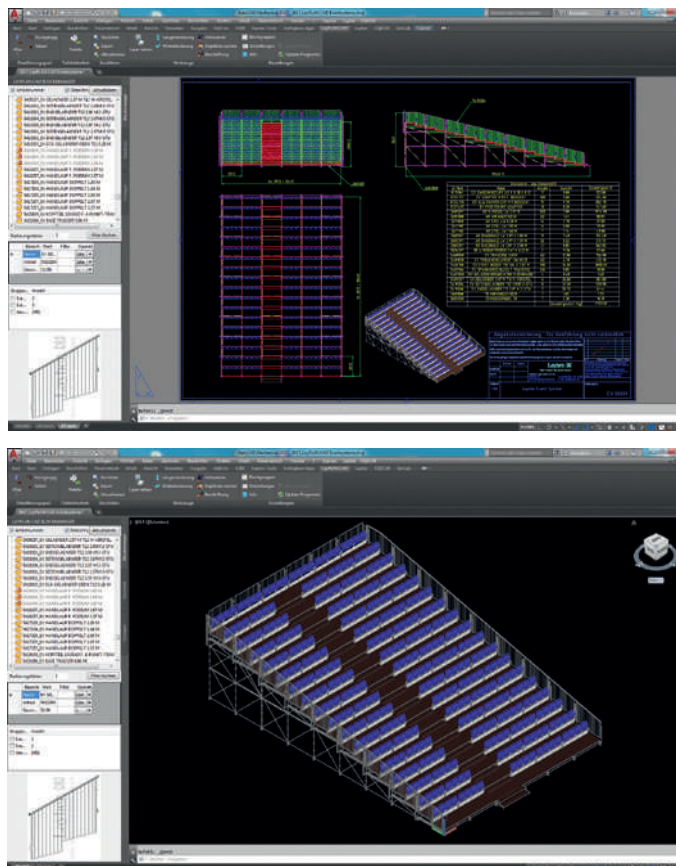
SOFTWARE

Time and material are crucial factors in scaffolding construction. To make the most efficient use of both, the Layher range includes the practical LayPLAN scaffolding planning software.

For more complex structures, LayPLAN CAD is available. This is a plug-in for Autodesk AutoCAD. It enables 3-dimensional planning of scaffolding structures of all types.

A visual collision check is possible with the aid of volume rendering. By using a convenient search function with preview image, scaffolding planners will find not only an extensive library of individual Layher parts, but also assemblies already prefabricated for even faster design work. The detailed drawings can then be printed out. A transfer to visualisation or animation software is also possible without any problem. This allows projects not only to be planned economically and at the same time adapted precisely to actual requirements, but also to be presented professionally to customers.

After finalisation of the scaffolding proposal, the LayPLAN Material Manager provides you with complete lists of required parts to ensure you always have precisely the material you need at the site.



Learn more in the Brochure "System Solutions Digitalisation and Software".



LayPLAN SUITE



LayPLAN CAD



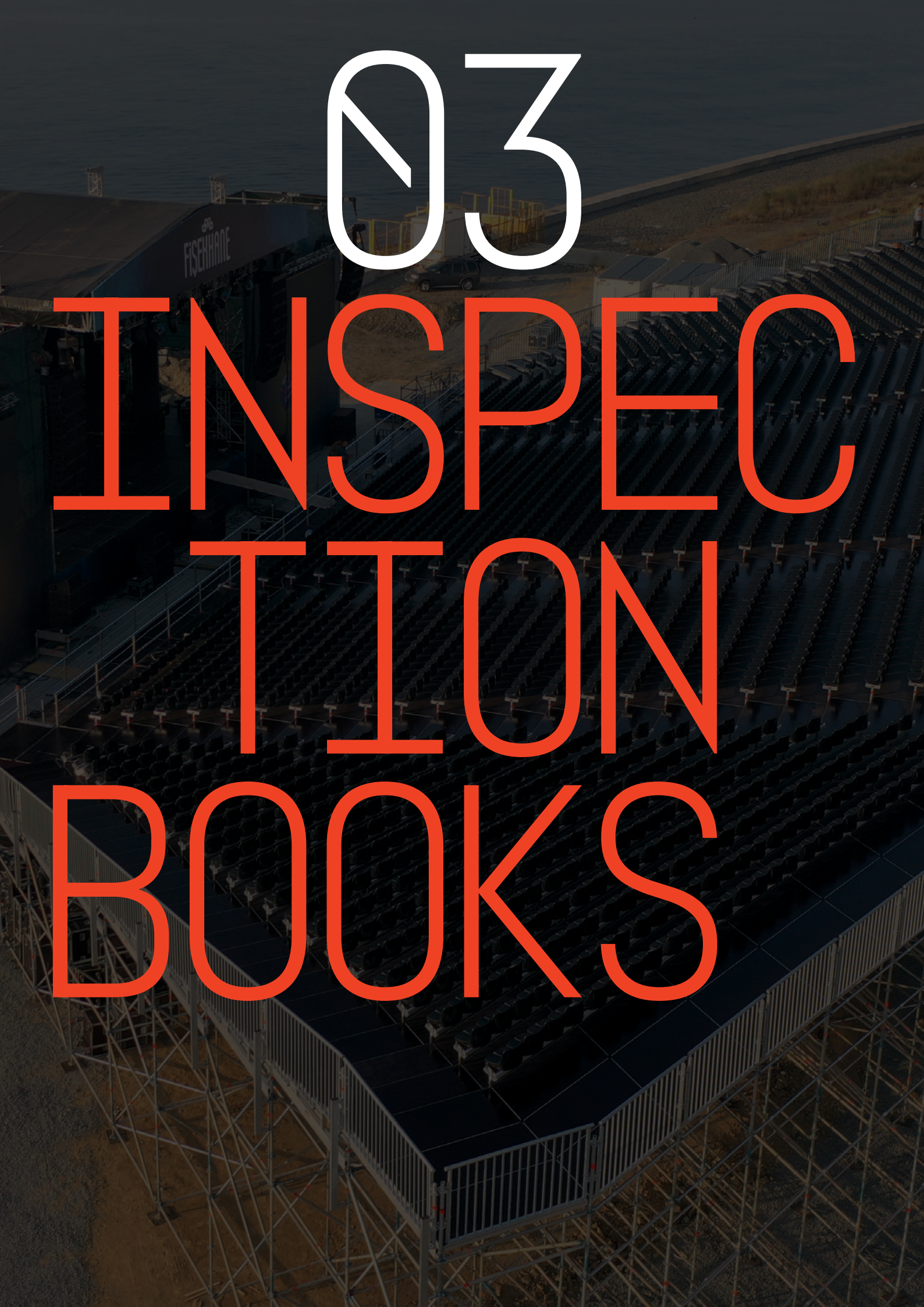
LayPLAN MATERIALMANAGER

How can I purchase LayPLAN?

Further information and registration for ordering processes can be conveniently accessed via the Layher website: <http://software.layher.com>

A contact form will provide you with access data to our software portal, where you can download a 30-day trial version and find the order form for the full version.

Pos.	Description	Ref. No.
1	LayPLAN CAD	
	plug-in for AutoCAD, for designing complex scaffolding in 3D and for developing scaffolding proposals from LayPLAN CLASSIC	6345.103
	plug-in for BricsCAD, for designing complex scaffolding in 3D and for developing scaffolding proposals from LayPLAN CLASSIC	6345.106

An aerial photograph of a large stadium under construction. The tiered seating area is visible, with many rows of seats. The entire structure is surrounded by a complex network of metal scaffolding. In the background, there are some buildings and a car. The sky is clear and blue.

03

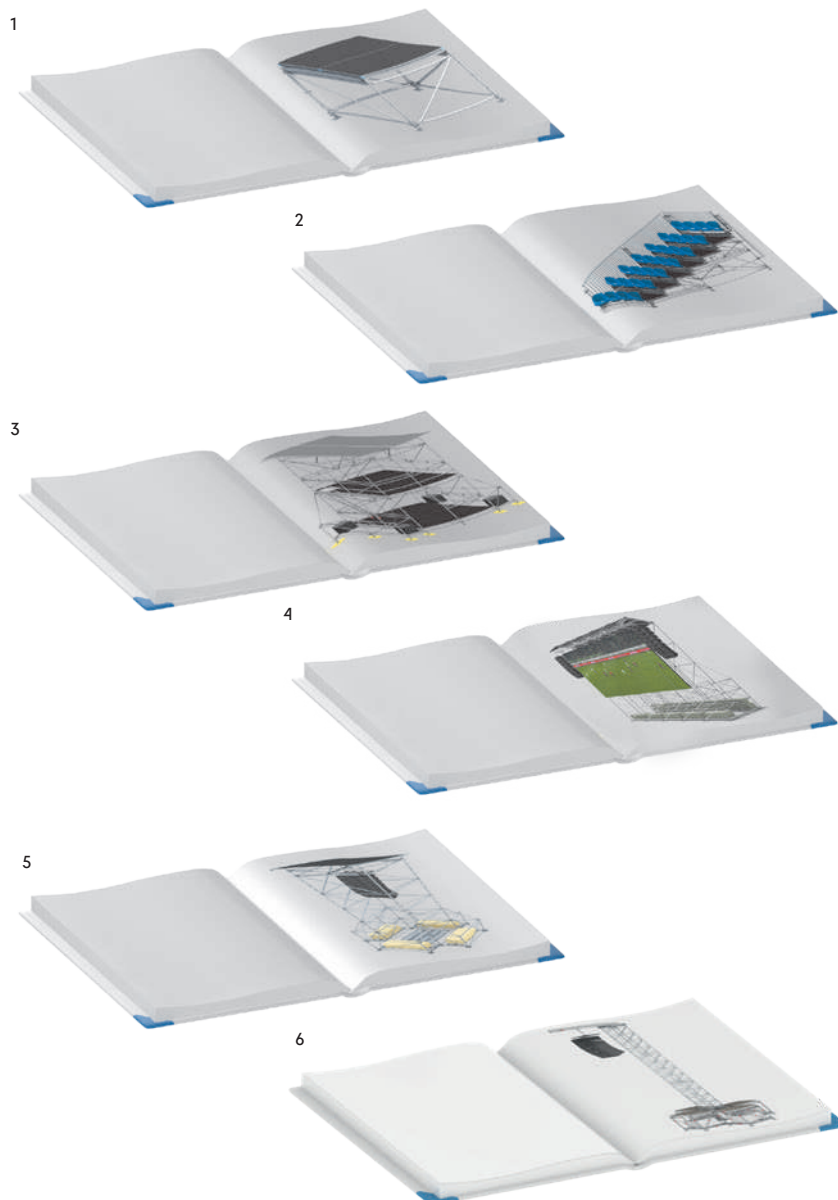
INSPECTION BOOKS

Events held outdoors frequently require the building of structures (structural systems) such as stages, stands, FOH Towers, video wall systems or PA Towers. If these structural systems are both suitable and intended for repeated assembly and dismantling at different locations, they are deemed to be Temporary Structures. Temporary Structures require Model Approval before they are erected and put into service for the first time.

The static calculation books contains:

- Detailed plans of the entire structure
- Detailed part drawings
- Appropriate excerpts from approvals, where these are referred to in the structural strength analysis
- Complete and verifiable structural strength analysis according to valid laws, provisions and standards
- Certificates
- Test Report

Our customers can obtain from Layher inspection books for modular and standardised structures. Accordingly, the assembly variants can be clearly defined, and the typical variants can be verified in structural strength calculations.



Pos.	Description	Weight approx. [kg]	PU [pc.]	Ref. No.
1	Inspection book for Event Podium			
	for EV 86		1.0	5400.002
	for EV 100		1.5	5400.004
	for EV 104		1.5	5400.005
2	Inspection book for Event Stand and Podium			
	for EV 86		2.5	5400.007
	for EV86Q		1.0	5400.003
	for EV 100		2.0	5400.101
	for EV 104		2.5	5400.006
3	Inspection book for FOH Tower for EV 100 and EV 104		3.2	5400.150
4	Inspection book for video wall system for EV 100 and EV 104		3.0	5400.160
5	Inspection book for PA Tower PLUS for EV 100 and EV 104		1.0	5400.170
6	Inspection book for PA-Tower MAXI for EV 100 and EV 104		2.5	5400.180

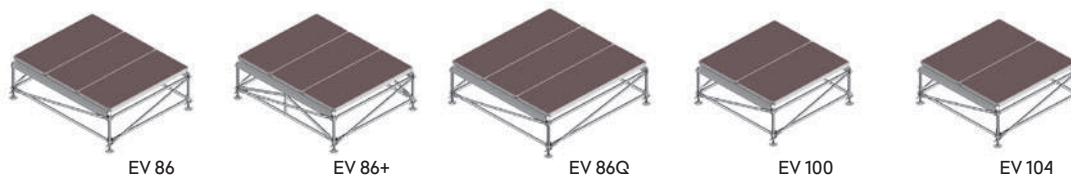
04

SYSTEM OVERVIEW

Podiums

Layher podiums are just as suitable for use inside halls and marquees as use out-doors. The components make up a construction kit allowing the building of a small podium for fashion shows, for a music performance or for a giant concert stage. The parts are weatherproof, thanks to the use of aluminium, hot-dip galvanized steel and coated plywood panels. On uneven surfaces, fast and easy adaptability of the Allround podiums to the lie of the land is a particular advantage.

The permissible loading capacity of the podium surface is up to 7.5 kN/m². The height can, depending on the structural strength, be up to 10 m. Meeting of the guidelines for temporary structures with the design loads as per EN 13814 is verified by inspection books issued by the competent authority.

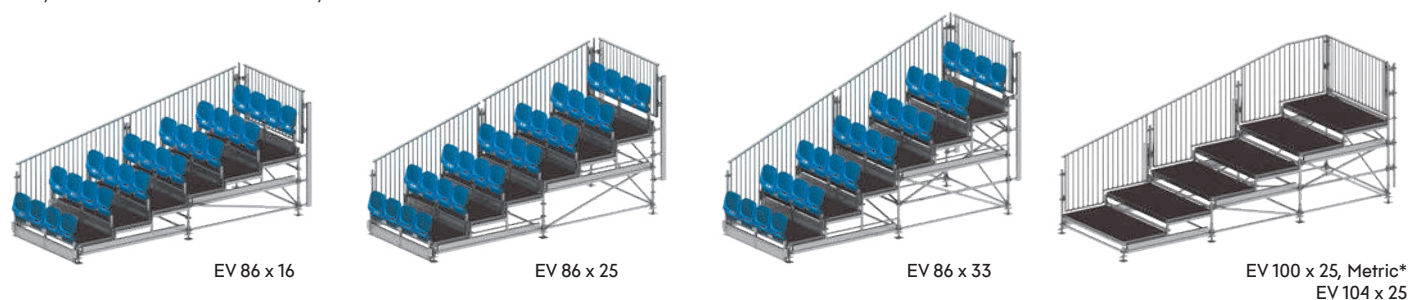


Module	EV 86	EV 86+	EV 86Q	EV 100 Metric*	EV 104
Bay	2.07 x 2.57 m	2.07 x 2.57 m	2.57 x 2.57 m	2.00 x 2.00 m	2.07 x 2.07 m
Deck type	Event deck	Event deck	Event deck	Event deck	Event deck
Deck size	0.86 x 2.07 m	0.86 x 2.07 m	0.86 x 2.57 m	1.00 x 2.00 m	1.04 x 2.07 m
Decks per bay	3	3	3	2	2
Support element	Event transom	Event transom	Event transom	Event transom	Event transom
Support element length	2.57 m	2.57 m	2.57 m	2.00 m	2.07 m
Crosspiece support	–	required	–	–	–
Perm. load capacity	5.0 kN/m ²	7.5 kN/m ²	5.0 kN/m ²	7.5 kN/m ²	7.5 kN/m ²

Stand seats

The most important characteristics of Layher seating stands are: sturdy material, sound workmanship, long service life, rapid assembly at changing locations, and low transport volume. The individual parts are easy to assemble and lightweight, so that they can be installed manually.

Please refer to our tables in this connection. Thanks to the modular design, it is possible to adapt the stand to the local conditions and to plan it in accordance with local regulations.

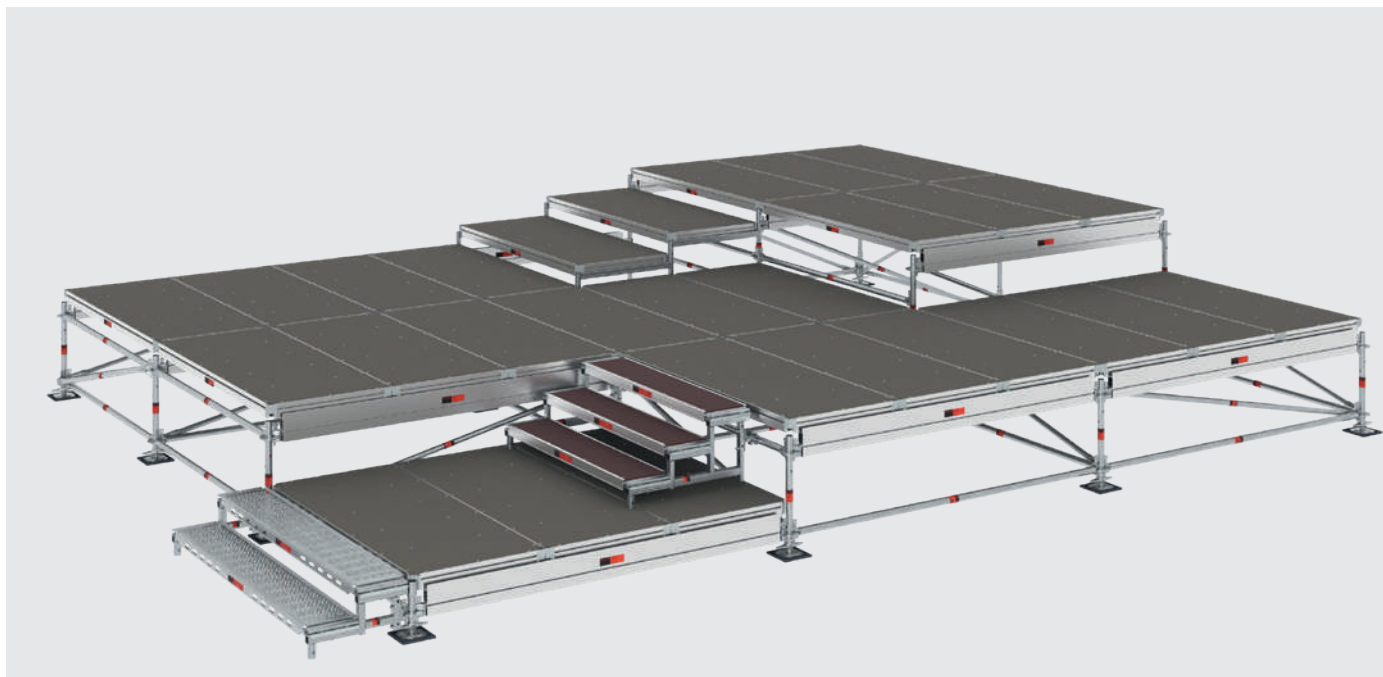


Seating stand	EV 86 x 16	EV 86 x 25	EV 86 x 33	EV 100 x 25 Metric*	EV 104 x 25
Step width	0.857 m	0.857 m	0.857 m	1.00 m	1.036 m
Step height	0.166 m	0.25 m	0.333 m	0.25 m	0.25 m
Riser angle	11.1°	16.3°	21.2°	14.0°	13.6°
Riser angle	19.4 %	29.2 %	38.9 %	25.0 %	24.1 %
Standard dimension	2.57 x 2.07 m	2.57 x 2.07 m	2.57 x 2.07 m	2.00 x 2.00 m	2.07 x 2.07 m
Loose seating	possible	possible	possible	recommended	recommended
Permanently fitted benches	recommended	recommended	recommended	possible	possible

More variants upon request.

05

STAGES
AND
PODI-
UMS



No compromising on site, fulfils requirements in terms of dimension and equipment: Layher Event Stages and Podiums.

Layher podiums and stages provide a safe play performance area that's exactly what's needed. Series manufacture and high delivery readiness are our way to help you cut costs and achieve economic success; and tailor-made special solutions whenever necessary are our strengths.



The benefits for you:

- Basic unit: Can be expanded with a choice of layouts, stand-ard dimensions and performing levels.
- Expandable: Caters for requirements with a variety of roof and support systems.
- Allround base: High load-bearing capacity, rapid assembly and dismantling.
- Practically-minded design: Strong connector technology, ergonomic handling, low-wear aluminium parts, corro-sion-proof thanks to hot-dip galvanisation, space-saving storage.

Basic components

Parts from the Layher Allround Scaffolding construction kit are used as the substructure for podiums.

The **diagonal braces LW 1–4** with rotatable wedge heads further brace the basic system consisting of standards and ledgers, providing convincingly high connection values.

The **O-ledgers LW horizontal-diagonal 5** can be used as an assembly aid to ensure rectangularity in the ground plan. Many structures exploit the bracing effect of the horizontal-diagonal braces.

The O-ledgers horizontal-diagonal have:

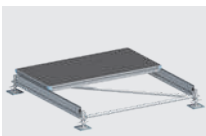
- straight-welded wedge heads for a square ground plan
- obliquely welded wedge heads for a rectangular ground plan

The **O-ledgers LW 6** with welded wedge heads connect the standards to one another.

The **standards LW 10** are made from hot-dip-galvanized steel tube $d=48.3$ mm. The rosettes spaced 0.50 m apart permit the connection of **ledgers 5/6** and **diagonal braces 1–4**.

To connect the individual standards, **spigots 7** are used. The latter are fastened in the lower standard using **special bolts M12 x 60 mm** with nut **9**. The upper standard is pinned using **hinged pins 8**. Alternatively, also using **special bolts M12 x 60 mm 9**. The **standard LW 0.66 m 11a** and the **standard LW 1.16 m 11b** can be used alternatively for stages with heights of 0.90 m and 1.40 m respectively, enabling the base collar to be omitted. Assembly proceeds faster, and ballast can be placed at the bottom scaffolding level. The standard 1.16 m can be extended using **spigots 7**.

The **standard lock 0.50 m 12** can create a pull-resistant connection between the base collar and the standard, if the ballast has to be placed at the lowest scaffolding level.



The lowest possible podium height is about 0.35 m, for which **base plates 20 14** and **base collars short 13a** are used.



For greater heights, **base plates 60 solid 15**, **base collars 13b** and **standards without spigots 10**, in the appropriate length are used.

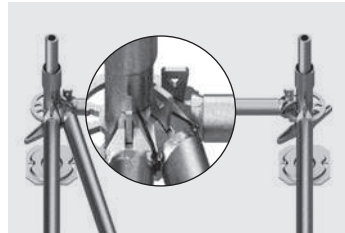


For a rectangular ground plan, with obliquely welded wedge heads

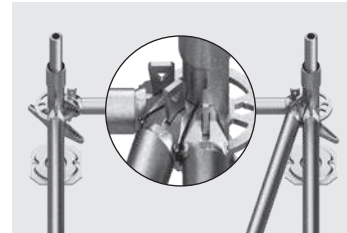


For a square ground plan, with straight-welded wedge heads

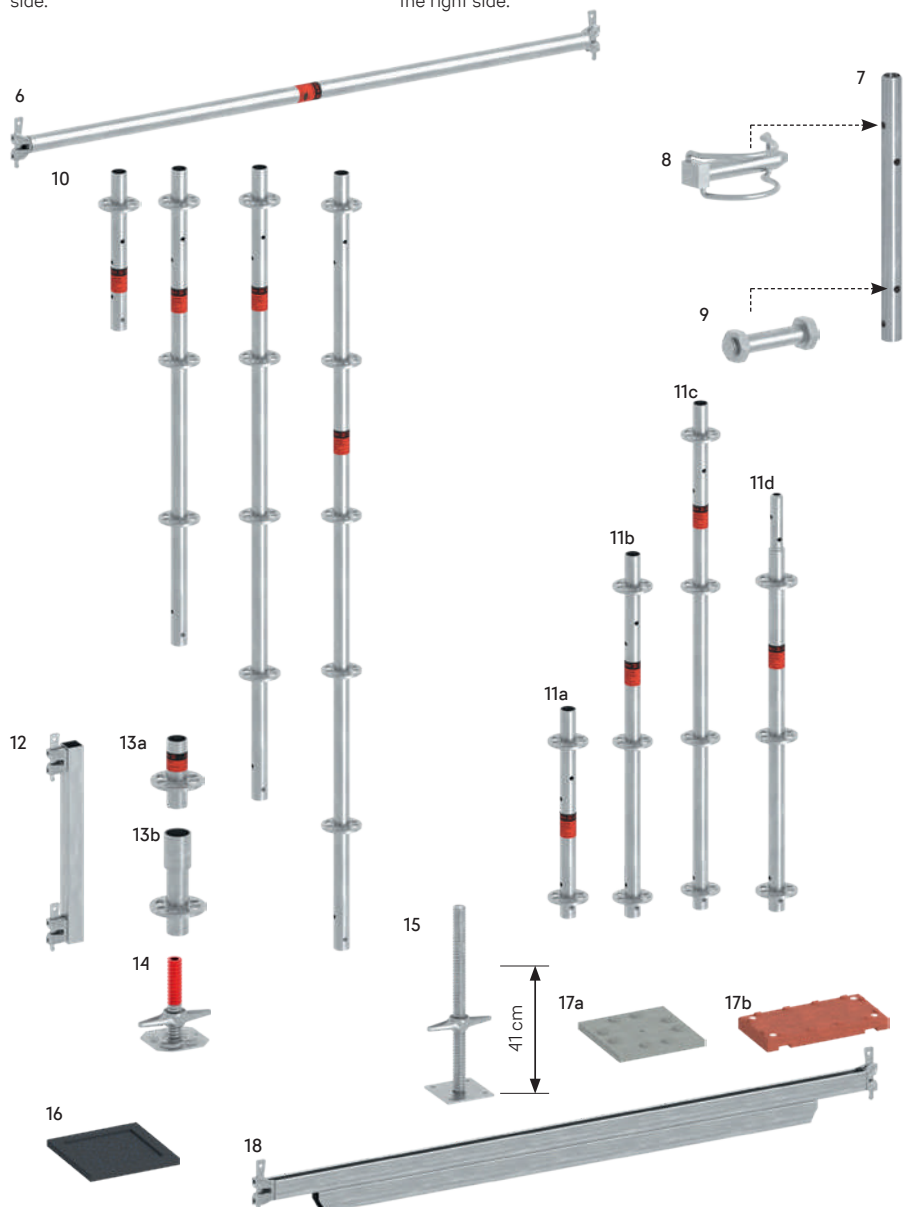
Distinction between right and left horizontal diagonal brace



From top view, the wedge head of a left horizontal diagonal brace points to the left side.



From top view, the wedge head of a right horizontal diagonal brace points to the right side.



Further components can be found in the **Allround Scaffolding catalogue**.

Pos.	Description	WS [mm]	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	Diagonal brace LW, steel, 2.00 m bay height					
	1.00 m bay length		2.22	7.3	50	2683.100
	1.04 m bay length		2.23	7.6	50	2683.104
	2.00 m bay length		2.76	9.1	50	2683.200
	2.07 m bay length		2.81	9.2	50	2683.207
	2.57 m bay length		3.18	10.0	50	2683.257
2	Diagonal brace LW, steel, 1.50 m bay height					
	1.00 m bay length		1.77	6.2	50	2682.100
	1.04 m bay length		1.79	6.2	50	2682.104
	2.00 m bay length		2.42	8.0	50	2682.200
	2.07 m bay length		2.48	8.2	50	2682.207
	2.57 m bay length		2.89	9.5	50	2682.257
3	Diagonal brace LW, steel, 1.00 m bay height					
	1.00 m bay length		1.36	5.0	50	2681.100
	1.04 m bay length		1.39	5.1	50	2681.104
	2.00 m bay length		2.14	7.2	50	2681.200
	2.07 m bay length		2.20	7.4	50	2681.207
	2.57 m bay length		2.66	8.6	50	2681.257
4	Diagonal brace LW, steel, 0.50 m bay height					
	1.00 m bay length		1.03	4.3	50	2680.100
	1.04 m bay length		1.08	4.2	50	2680.104
	2.00 m bay length		1.96	6.7	50	2680.200
	2.07 m bay length		2.03	6.9	50	2680.207
	2.57 m bay length		2.51	8.2	50	2680.257
5	O-ledger LW, horizontal-diagonal. steel					
	for 2.00 m bay length, 1.00 m bay width, left		2.23	7.8	50	2678.201
	for 2.00 m bay length, 2.00 m bay width		2.83	9.6	50	2678.200
	for 2.07 m bay length, 1.04 m bay width, left		2.32	8.1	50	2678.206
	for 2.07 m bay length, 2.07 m bay width		2.93	10.0	50	2678.207
	for 2.57 m bay length, 2.07 m bay width		3.30	11.2	50	2678.255
	for 2.57 m bay length, 2.57 m bay width		3.64	12.2	50	2678.257
6	O-ledger LW					
	steel, with AutoLock function		0.86	3.3	50	2601.086
			1.04	3.8	50	2601.103
			1.72	5.9	50	2601.172
			2.07	7.0	50	2601.207
			2.57	8.5	50	2601.257
	steel, metric, with AutoLock function		1.00	3.7	50	2601.100
			2.00	6.8	50	2601.200
7	Spigot		0.52	1.6	350	2605.000
	steel, for standards Ref. No. 2619.xxx and 2604.xxx					
8	Hinged pin			1.6	20	4905.668
	d=12 mm, with pan head					
9	Special bolt M12 x 60 mm	19		4.0	50	4905.062
	with nut					
10	Standard LW		0.50	2.2	300	2619.050
	steel without spigot, for scaffolding layer		1.00	4.4	28	2619.100
			1.50	6.6	28	2619.150
			2.00	8.8	28	2619.200
			2.50	11.0	28	2619.250
			3.00	13.2	28	2619.300
11	Initial standard LW					
a	steel, 0.66 m, with 2 rosettes, without spigot, with integrated base collar		0.66	3.3	200	2619.066
b	steel, 1.16 m, with 3 rosettes, without spigot, with integrated base collar		1.16	5.5	28	2619.116
c	steel, 1.66 m, with 4 rosettes, without spigot, with integrated base collar		1.66	7.7	28	2619.166
d	steel, 1.16 m, with 3 rosettes, with integrated spigot and base collar		1.16	5.8	28	2617.116
12	Standard lock		0.58	4.0	100	2603.000
	0.50 m					
13	Base collar					
a	short		0.17	1.1	250	5601.000
b			0.24	1.4	500	2602.000
14	Base plate 20		0.20	2.3	200	5602.020
15	Base plate 60		0.58	6.7	200	5602.060
	solid, without lock (max. spindle travel 41 cm)					
16	Rubber pad for base plate		0.20 x 0.20	0.4	10	4000.500
17	Plastic underlay for base plate					
a	grey, with burls for easy stacking		0.26 x 0.02 x 0.26	1.5	400	4000.700
b	brown, to distribute loads, with burls for easy stacking		0.40 x 0.04 x 0.20	4.2	250	4000.701
18	U-ledger reinforced LW T14					
	steel, metric		2.00	12.5	50	2618.200
	steel		2.07	12.7	50	2618.207

05 Stages and Podiums

The plywood board of the **Event decks T16 1** is riveted onto an aluminium frame and is also supported by cross rungs. All four sides of the Event decks can be fitted into the Event cross-piece. The removable plastic corners allow the vertical tubes to be passed through. The **X-Event decks T16 2** have plywood boards with rectangular corners. The detachable plastic corners are not removable. Guard-rails can be mounted by using posts Ref. No. 5406.000 to the podium.

The Event decks with lengths of up to 2.07 m are rated for a load of 7.5 kN/m². The Event deck 2.57 m can withstand 5.0 kN/m².

The 18 cm high **Event transom 3** made of aluminium section with wedge head connection of galvanized steel is used as a support for the Event decks.

The loading capacity of the 2.57 m long Event crosspiece can be increased from 5.0 kN/m² to 7.5 kN/m² by fitting the **transom support 4**.

The **Tension clasp 5** of spring steel connects the Event deck to the Event transom and acts as a lock against lift-off.

A fully closed podium surface is assured by a shift preventer at the edge of the podium assembled using **square half-coupler 6**.

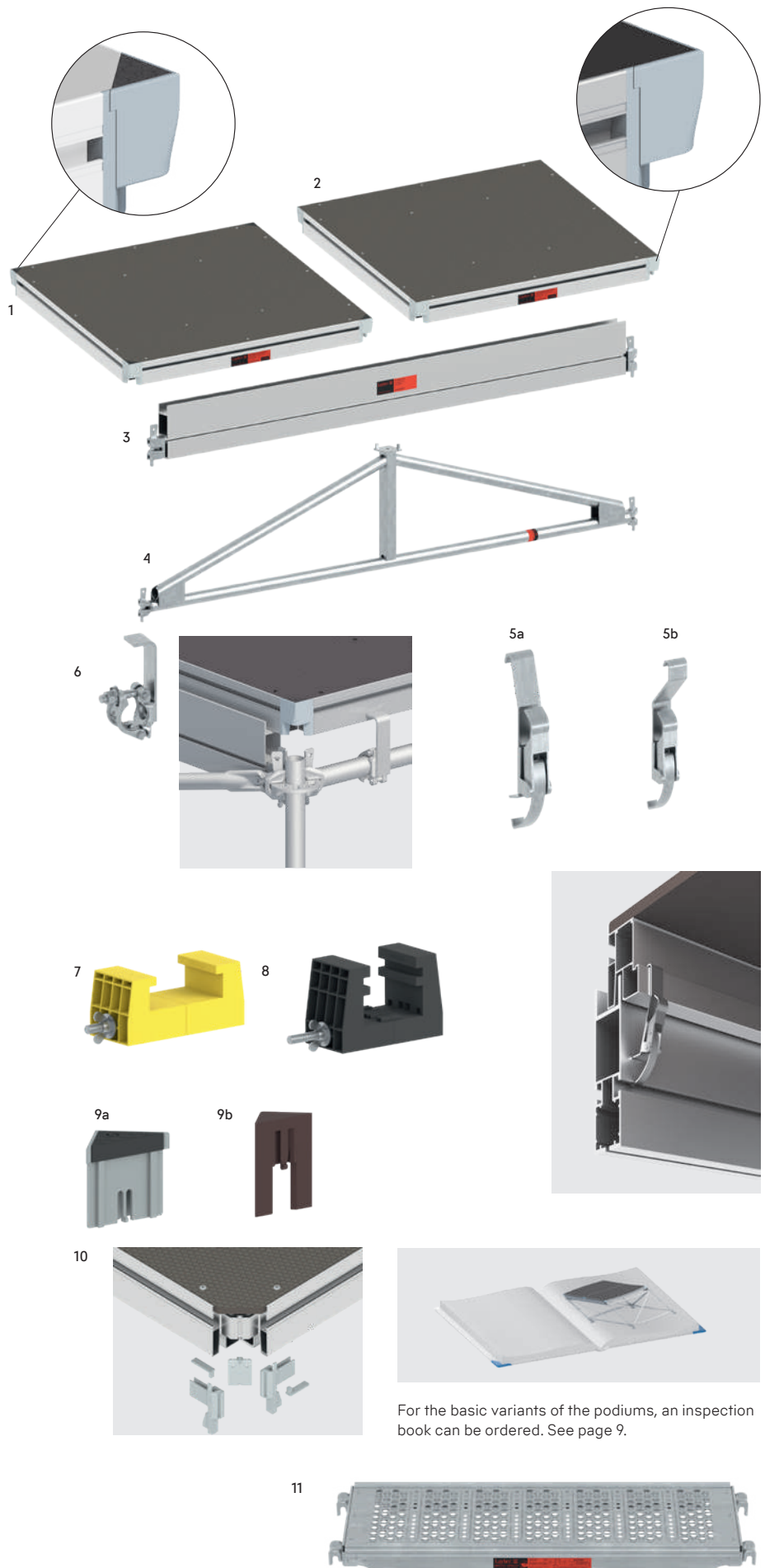
Optionally, the Event decks can be connected to one another using the **clamp 7/8** made of plastic.

The Event decks are supplied with plastic corners fitted. The matching **plastic corners 9** are available in packaging units of 50 as spare parts.

The design variant of the existing Event decks should be taken into account when ordering toggle latches, clamps and plastic corners.

- Year built after 2016: Event deck T16
- 2 Year built 2007 – 2016: Event deck T10 and T7
- 2 Year built 2004 – 2007: Event deck T4
- 2 Year built 2001 – 2004: Event deck T1

If a plastic corner of the **event floor T16 1** is damaged, repair kit 10 is used. The **repair kit 10** comes with detailed assembly instructions. The **plastic corners 9** is not part of the **repair kit 10**.



For the basic variants of the podiums, an inspection book can be ordered. See page 9.

Pos.	Description	LC	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.	
1	Event deck T16						
	aluminium frame, coated plywood, detachable plastic corners, for EV 86		0.86 × 1.04	16.9	10	5402.231 	
			0.86 × 1.57	23.5	10	5402.232 	
			0.86 × 2.07	30.2	10	5402.233 	
	aluminium frame, coated plywood, detachable plastic corners, for EV 86Q		0.86 × 2.57	36.7	10	5402.234 	
	aluminium frame, coated plywood, detachable plastic corners, for EV 100		1.00 × 1.00	18.3	10	5402.235 	
			1.00 × 2.00	32.5	10	5402.236 	
	aluminium frame, coated plywood, detachable plastic corners, for EV 104		1.04 × 1.04	19.3	10	5402.238 	
		1.04 × 2.07	34.3	10	5402.239 		
2	X-Event deck T16						
	aluminium frame, coated plywood, not detachable plastic corners, for EV 86		0.86 × 1.04	16.9	10	5402.211 	
			0.86 × 2.07	30.2	10	5402.212 	
	aluminium frame, coated plywood, not detachable plastic corners, for EV 86Q		0.86 × 2.57	36.7	10	5402.214 	
	aluminium frame, coated plywood, not detachable plastic corners, for EV 100		1.00 × 1.00	18.3	10	5402.215 	
			1.00 × 2.00	32.5	10	5402.216 	
	aluminium frame, coated plywood, not detachable plastic corners, for EV 104		1.04 × 1.04	19.3	10	5402.218 	
			1.04 × 2.07	34.3	10	5402.219 	
3	Event transom						
	for EV 86		0.86	6.1	60	5400.072 	
			1.71	10.0	60	5400.071 	
	for EV 100		1.00	6.4	60	5400.010 	
			2.00	11.4	60	5400.040 	
	for EV 104		1.04	6.6	60	5400.020 	
			2.07	12.0	60	5400.050 	
	for EV 86 and EV 86Q		2.57	14.6	60	5400.070 	
4	Transom support increases permissible load on the EV 86+ system		2.57 × 0.50	21.2	40	5400.100 	
5	Tension clasp						
	a for Event deck T16		0.16	2.5	50 	5403.521 	
	b for Event deck T10, T7, T4 und T1		0.16	2.6	50 	5403.515 	
6	Square half-coupler			1.4	25	5403.510 	
7	Clamp yellow for Event deck T16			0.3	50	5403.518 	
8	Clamp black for Event deck T10, T7			0.3	40	5403.506 	
9	Plastic corner						
	a 2-coloured, grey-brown spare part for Event deck T16			3.5	50 	5403.523 	
	b brown spare part for Event deck T10, T7, T4			3.4	50 	6494.103 	
10	Repair kit for Event deck corner 5 parts			2.5	40 	6494.105 	
11	U-steel deck LW, 0.32 m wide		6	1.00 × 0.32	7.2	60	3883.100 
	steel, hot-dip galvanised, perforated, non-slip working surface		6	1.04 × 0.32	7.4	60	3883.104 
			6	2.00 × 0.32	12.9	60	3883.200 
			6	2.07 × 0.32	13.4	60	3883.207

05 Stages and Podiums

Side protection of the stage is provided by **double handrails T13 3** or **Guardrail T12 with child protection 4**. The handrail has a height of 1 m above the deck, and the guardrails are 1.10 m high. To absorb the horizontal forces as specified for areas used by the public, guard-rail posts 1 are used.

Alternatively, standards going all the way through can be installed in conjunction with additional parts for strengthening.

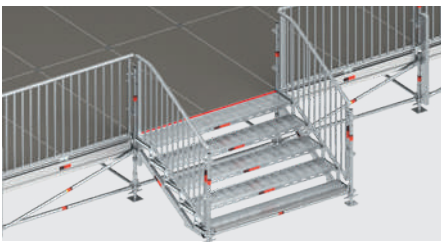
Variant A:

Round tube with four welded top pieces (Ref. No. 5405.075), see page 24.

Variant B:

Standard 2m (Ref. No. 2619.200) fastened with four twin wedge head couplers, (Ref. No. 2629.000).

The **banding 2** is used as end edge of the podium. It closes the space between stair and podium decking.



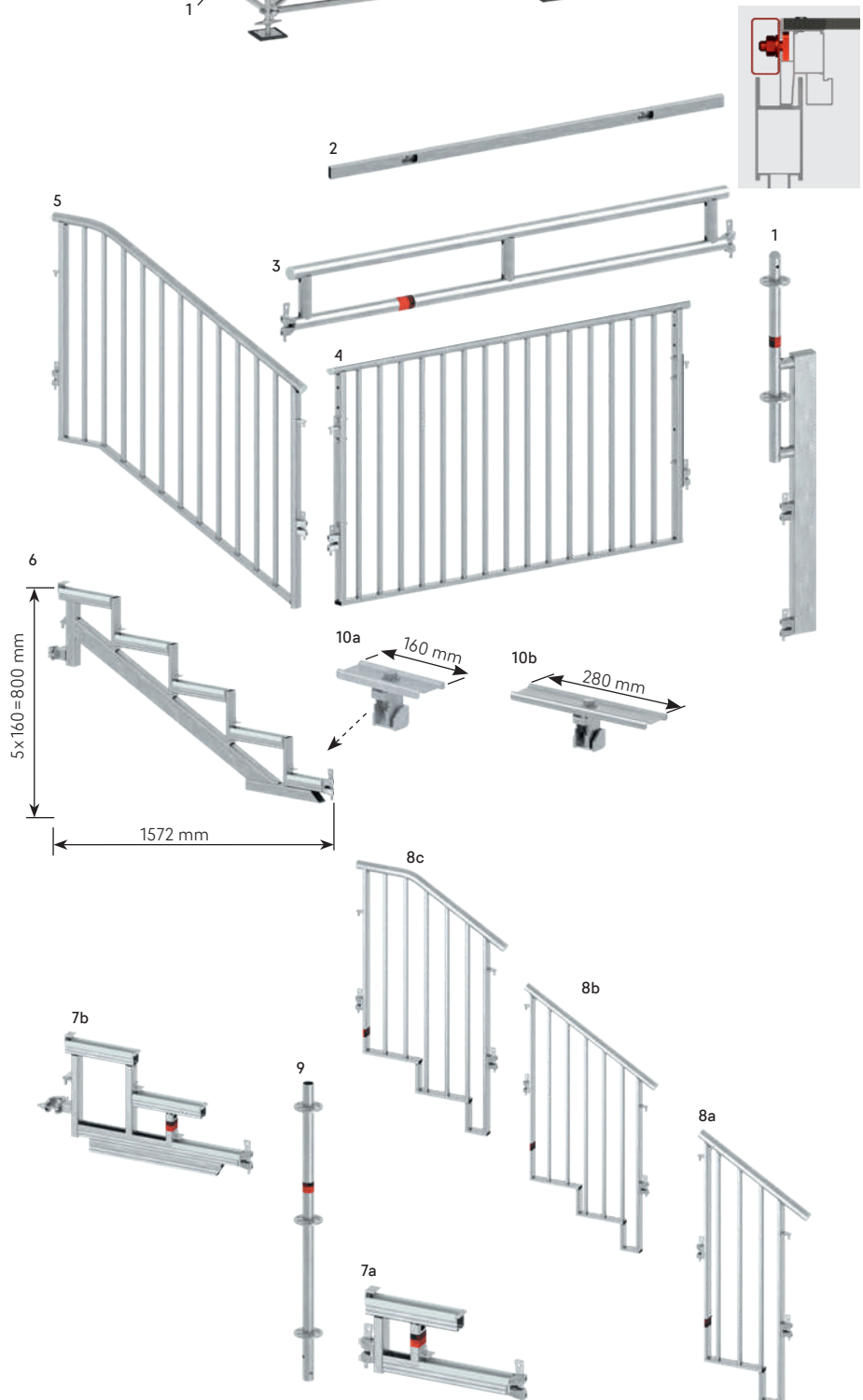
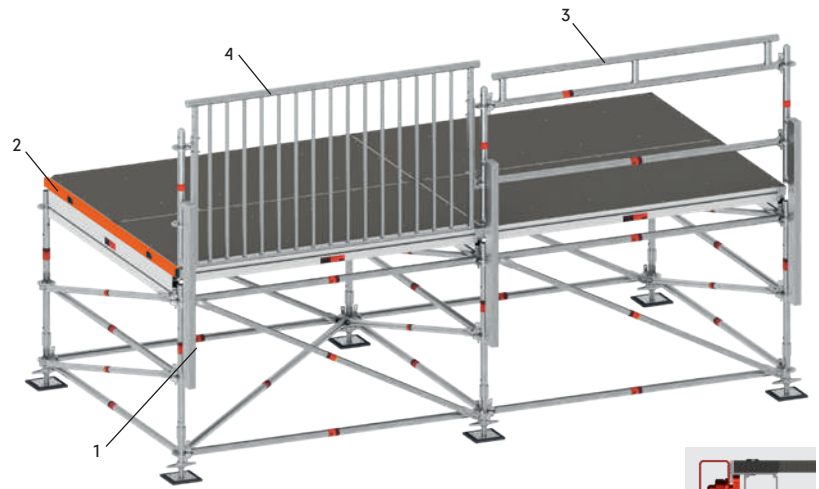
The 5-step **U-stairway stringer 750 6** forms a stair for a podium height of 0.85m. The top step is flush with the podium surface.

- Riser $s = 16\text{ cm}$
- 2 Tread $a = 31.8\text{ cm}$
- 2 Undercut $u = 0.2\text{ cm}$

Depending on the podium height, the stair can be extended using different stair stringers. N.B.: When different stair stringers are combined, the tread dimensions are not uniform. Four steel decks 0.32m and one steel deck 0.19m are needed as steps. U-cover ledger (Ref. No. 2675.xxx) is also installed as the lower step edge.



Stages can alternatively be realised with the Modular stair Plus. The construction kit consists of: **Stringer for Modular stairway Plus 2- and 3-step 7** and **standard for Modular stairway Plus 9**. 0.32m steel decks are installed as steps in the selected length.



Pos.	Description	WS [mm]	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	Guardrail post for podium		1.64	13.0	20	5406.000 
2	Banding incl. bolts		0.86	2.2	100	5412.086 
			1.00	2.6	100	5412.100 
			1.04	2.7	100	5412.104 
			1.72	4.6	100	5412.172 
			2.00	5.4	100	5412.200 
			2.07	5.6	100	5412.207 
			2.57	6.9	100	5412.257 
3	Double handrail T13 handrail height 1.00 m for EV 100		1.00	7.9	20	5417.100 
			2.00	14.0	40	5417.200 
	handrail height 1.00 m for EV 104		1.04	8.1	40	5417.104 
	handrail height 1.00 m for EV 86 and EV 104		2.07	14.4	40	5417.207 
	handrail height 1.00 m for EV 86 and EV 86Q		2.57	18.7	40	5417.257 
4	Guardrail T12 with child protection guardrail height 1.10 m, connection elements height adjustable for use with Event or scaffolding decks, for EV 86 and EV 86Q		0.86	18.5	25	5409.086 
			1.57	25.8	25	5409.157 
			2.57	35.8	25	5409.257 
	guardrail height 1.10 m, connection elements height adjustable for use with Event or scaffolding decks, for EV 100		1.00	19.8	25	5409.100 
			2.00	30.5	25	5409.200 
	guardrail height 1.10 m, connection elements height adjustable for use with Event or scaffolding decks, for EV 104		1.04	20.0	25	5409.104 
	guardrail height 1.10 m, connection elements height adjustable for use with Event or scaffolding decks, for EV 86 and EV 104		2.07	30.8	25	5409.207 
5	Stairway guardrail 750, with child protection for stairway stringer 2639.003		1.57 x 1.10	22.0	25	2616.106 
6	U-Stairway stringer 750 with half-coupler with 5 steps		1.57 x 1.00	18.5	20	2639.003 
7	Stringer for modular stairway Plus					
a	2-step		0.57	4.7	50	5407.071 
b	3-step		0.86	10.5	20	5407.072 
8	Guardrail for modular stairway Plus					
a	2-step		0.57	11.1	25	5407.073 
b	3-step		0.86	14.0	25	5407.074 
c	0.86 m, top		0.86	13.4	25	5407.075 
9	Standard for modular stairway Plus without spigot		1.31	5.9	28	5407.076 
10	a Universal U-Lift-off preventer	19	0.16	0.7	250	2635.002 
		22	0.16	0.7	250	2635.003 
	b	19	0.28	1.0	250	2635.000 
		22	0.28	1.0	250	2635.001 

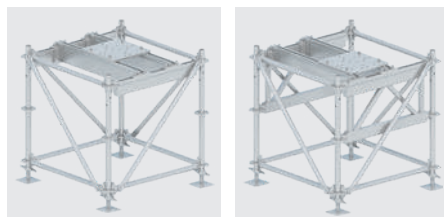
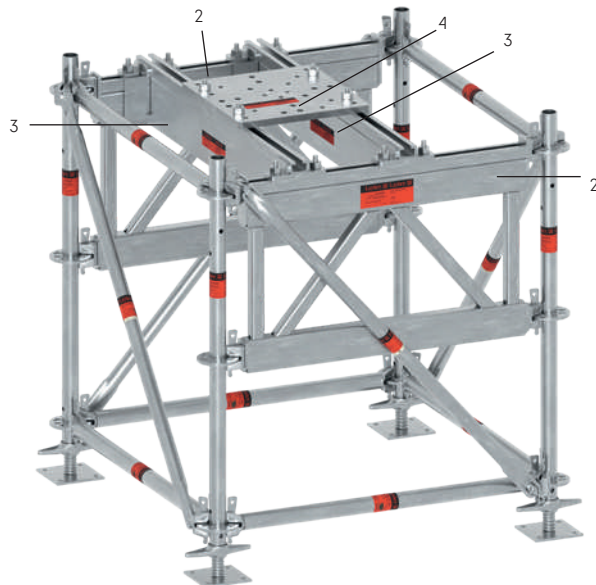
05 Stages and Podiums

The **Universal Base** connects your roof structure efficiently to a Layher podium. The position of the roof supports can be set infinitely inside the Universal Base.

The advantages are:

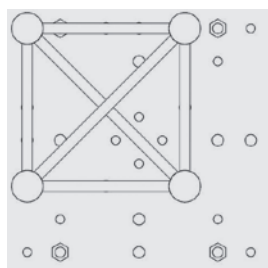
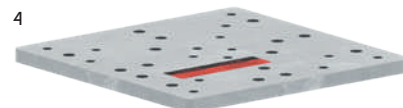
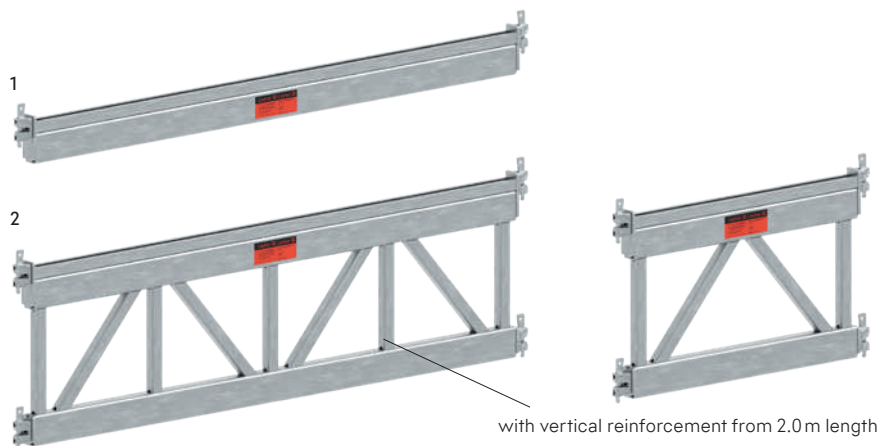
- The dead weight of the podium can be taken account of in the structural calculation, meaning that less ballast is needed.
- Forces arising from the rope hoist (wind braces) are absorbed by the podium, meaning that less ballast is needed.
- Greater headroom at the level of the wind braces due to attachment points being provided at the deck level.
- Rapid assembly of the podium thanks to the assembly advantages of Layher Allround Scaffolding.

The use of serrated rails in conjunction with serrated bolts permits defined transmission of the horizontal forces. The **base plate 4** always rests on two **truss-transoms 3**. The orientation of the transoms has effects to the position of the Event transoms and the outer position of the roof support.



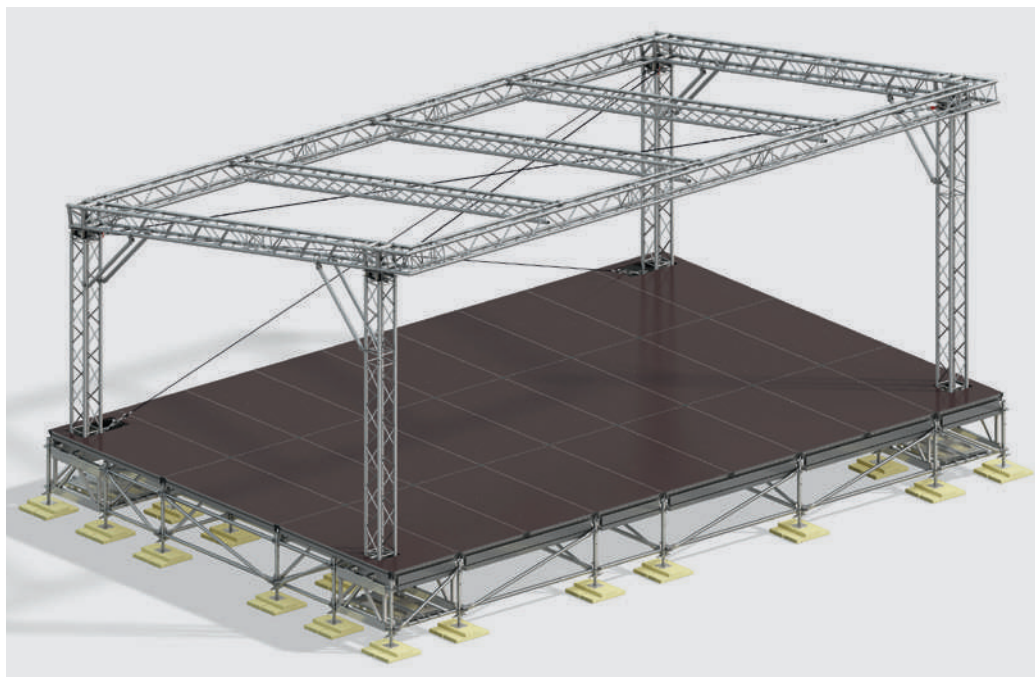
Example A:
Base plate 4 in the middle of the bay, even distribution of the load onto four rosettes, thanks to use of the **base beam 1**.

Example B:
Base plate 4 in the corner, distribution of the load onto eight rosettes, thanks to use of the **base lattice beam 2**.



Hole pattern of the base plate

The plate allows the asymmetrical positioning of the towers. Additionally there are drillings in the plate centre for an optional support.

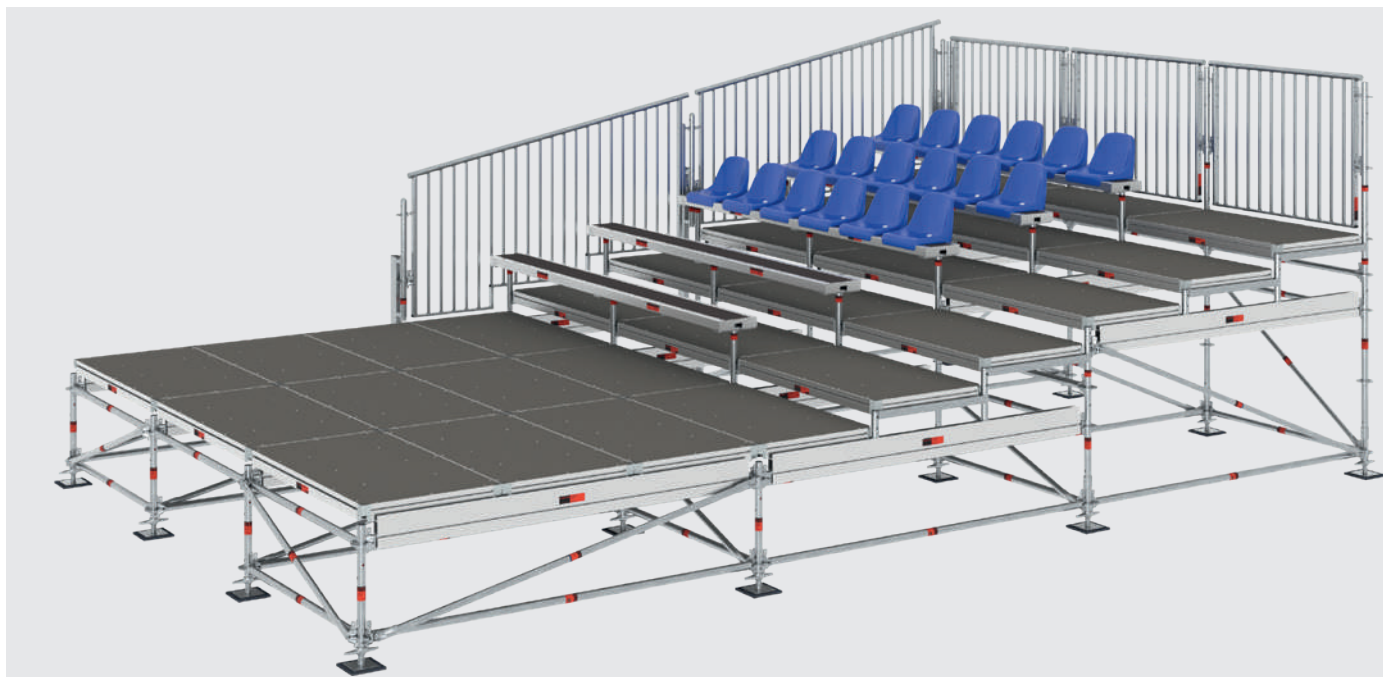


Typical use:
Universal bases in the podium corners are used to receive the roof supports.

Pos.	Description	WS [mm]	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	Base beam					
	steel, hot-dip galvanized, for EV 86		0.86	13.0	10	5431.086 ☎
	steel, hot-dip galvanized, for EV 100		1.00	15.5	10	5431.100 ☎
			2.00	32.5	10	5431.200 ☎
	steel, hot-dip galvanized, for EV 104		1.04	16.1	10	5431.104 ☎
	steel, hot-dip galvanized, for EV 86 and EV 104		2.07	33.7	10	5431.207 ☎
2	Base lattice beam					
	steel, hot-dip galvanized, for EV 86		0.86 x 0.50	38.2	10	5432.086 ☎
	steel, hot-dip galvanized, for EV 100		1.00 x 0.50	38.5	10	5432.100 ☎
			2.00 x 0.50	76.0	10	5432.200 ☎
	steel, hot-dip galvanized, for EV 104		1.04 x 0.50	39.1	10	5432.104 🚚
	steel, hot-dip galvanized, for EV 86 and EV 104		2.07 x 0.50	76.7	10	5432.207 🚚
3	Truss-Transom					
	steel, hot-dip galvanized, for EV 86		0.86	27.8	10	5433.086 ☎
	steel, hot-dip galvanized, for EV 100		1.00	28.9	10	5433.100 ☎
			2.00	47.3	10	5433.200 ☎
	steel, hot-dip galvanized, for EV 104		1.04	29.0	10	5433.104 🚚
	steel, hot-dip galvanized, for EV 86 and EV 104		2.07	48.6	10	5433.207 🚚
4	Base plate type 1		0.41 x 0.41	25.0	10	5434.003 🚚
	steel, hot-dip galvanized, for H30V and H40V support, with 31 drillings					
5	Special bolt	24	M16 x 60	2.0	12 🧺	5434.013 🚚
	with nut HZS 53 x 34					

06

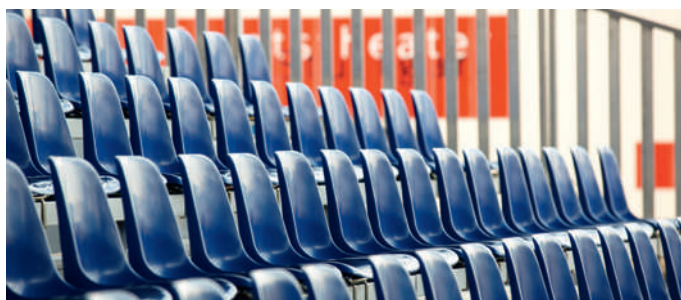
STANDS



No restrictions on comfort, no limits on dimensions and equipment, no concessions to the location: Layher stands are always an excellent "observation point", just as required.

The Layher Event system: Stands for sitting, all over the world and meeting client requirements. Series manufacture and high delivery readiness are our way to help you cut costs and achieve economic success; and tailor-made special solutions whenever necessary are our strengths.

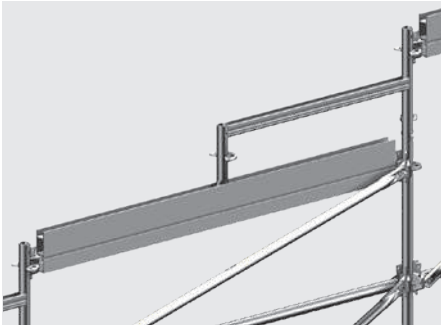
The whole Layher Event system bases on the proven Allround Scaffolding System. Thus makes investments even more economical, because the material can be used for lots of different kinds of use.



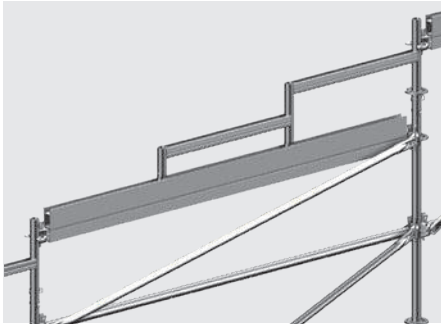
The benefits for you:

- Standard solutions: Series material, economical complete solutions from one source, rapid availability, proven safety.
- Substructure Allround: High load-bearing capacity, rapid and flexible erection and dismantling, choice of accessories.
- Handy components: Easy to transport and store, palletizable.
- Special design: For individualized problem solutions.

Basic components



The **stand element, 1-step 1a/b** with a standard rise of 0.25 m is used for the Event systems EV 100 and EV 104.

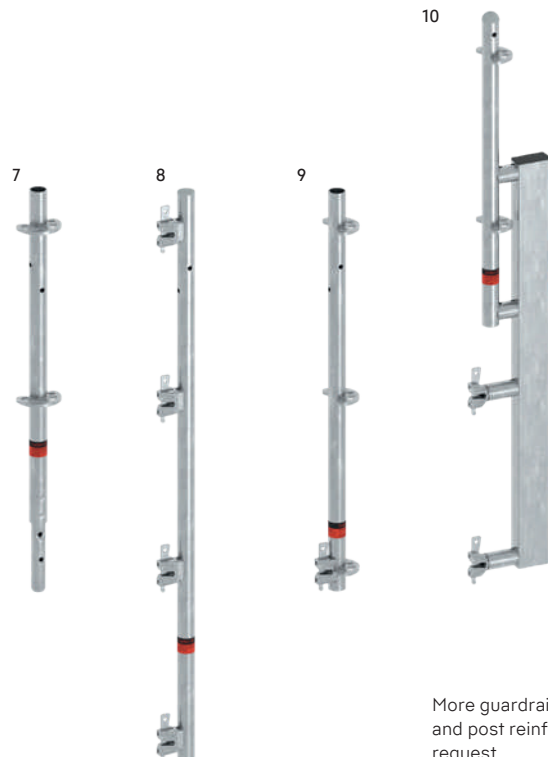
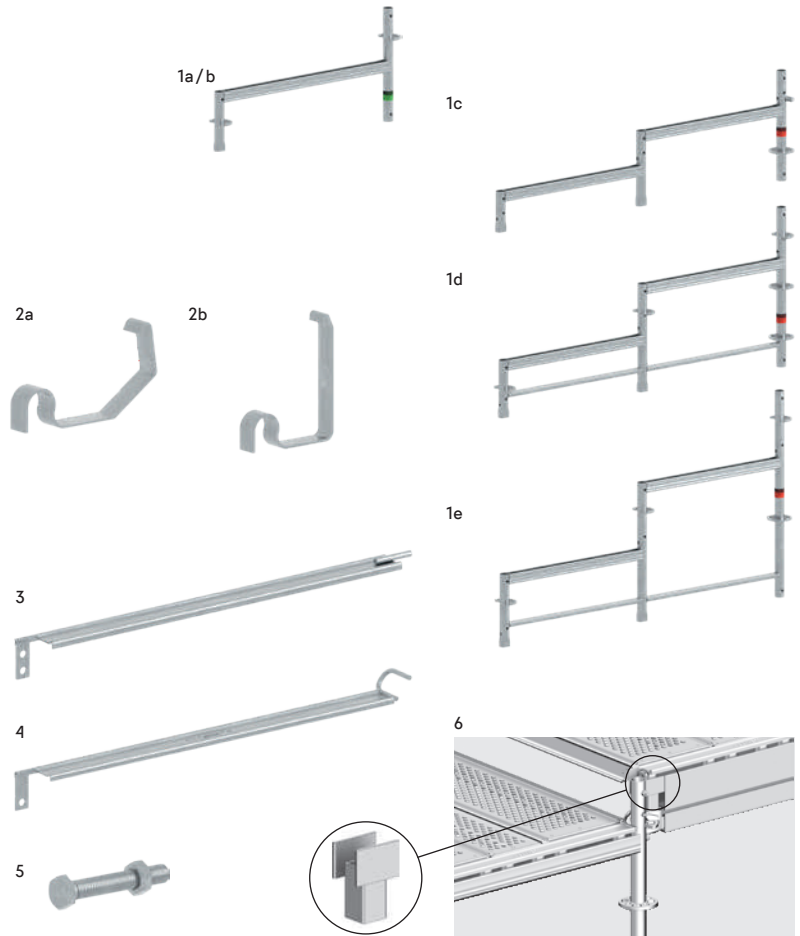


For the Event System EV 86, the **stand elements, 2-step 1c-e** with risers of 0.16 m, 0.25 m or 0.33 m are used.

When Event decks are used, the **lock for stand element 2** is required to prevent the Event decks from lifting off and tilting.

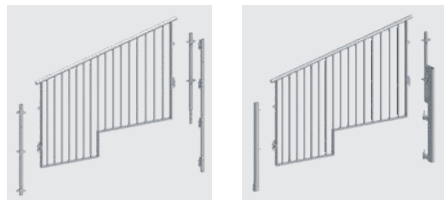
Alternatively, conventional steel decks can also be used, which is to be recommended especially for outdoor events. Here the **steel lift-off preventer 3/4** and the **steel deck support 6** are used.

The steel lift-off preventer is fastened using the **bolt M10 x 70 mm 5**. The bolts must be ordered separately.



More guardrail posts and post reinforcements on request.

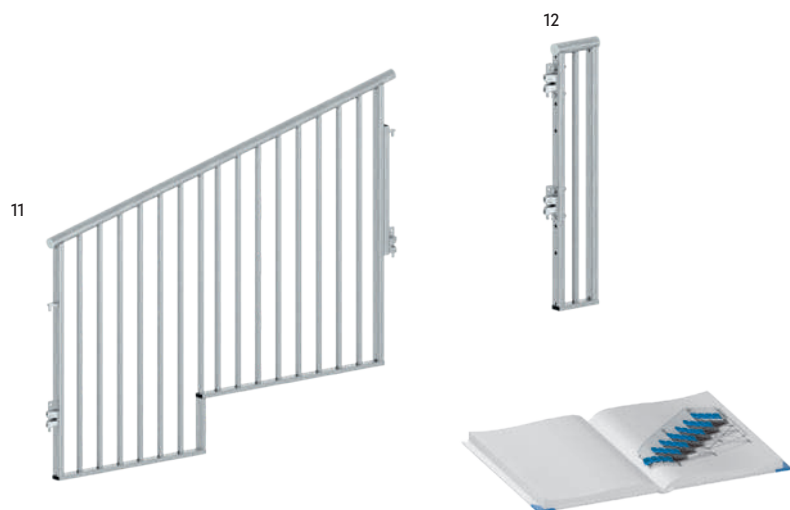
The **guardrail standard** 0.96 m **7** with spigot fitted at the bottom is used to continue the Allround standards from the substructure. When side guardrails are used, this standard has to be additionally strengthened.



Variant for seating:
Side guardrail in the system axis

Variant for bench seat:
Side guardrail next to the system axis

The components shown here are showcase. For the different stand variants, showing in table on page 11, further stand components are available. These are stand elements, intermediate steps, guardrails and guardrail posts for each type of stand.



For the stands in standard-version, inspection books are available. See page 9.

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	Stand element				
a	1-step, inclination 0.25 m, for EV 100	1.00 x 0.25	6.6	40	5401.010
b	1-step, inclination 0.25 m, for EV 104	1.04 x 0.25	6.7	40	5401.020
c	2-step, inclination 0.16 m, for EV 86 and EV 86Q	0.86 x 0.16	10.6	30	5401.216
d	2-step, inclination 0.25 m, for EV 86 and EV 86Q	0.86 x 0.25	16.6	20	5401.225
e	2-step, inclination 0.33 m, for EV 86 and EV 86Q	0.86 x 0.33	18.0	20	5401.233
2	Lock for stand element				
a	for Event deck T16	0.10	2.0	50	5403.522
b	for Event deck T10, T7, T4, T1	0.10	2.0	50	5403.501
3	Steel lift-off preventer T19 for stand elements from 2019, for EV 86 and EV 86Q	0.86	1.5	300	5403.010
4	Steel lift-off preventer for stand elements to 2019, for EV 86 and EV 86Q	0.86	1.6	268	5403.007
5	Bolt M10 x 70 mm with nut for steel lift-off preventer, for EV 86 and EV 86Q		3.5	50	5403.011
6	Steel deck support for EV 86 and EV 86Q	0.1	0.4	500	5403.006
7	Guardrail standard 0.96 m with bottom mounted spigot and 2 cutaway rosettes	0.96	5.5	28	5405.045
8	Tube with 4 wedge heads	1.70	8.4	50	5405.075
9	Guardrail post	1.16	5.5	50	5405.041
10	Guardrail post for stand	1.60	14.0	20	5405.050
11	Side guardrail T12				
	2-step, 0.25 m inclination	2.00 x 1.10	32.1	25	5410.208
		2.07 x 1.10	32.5	25	5410.209
	3-step, 0.16 m inclination	2.57 x 1.10	38.6	25	5410.304
	3-step, 0.25 m inclination	2.57 x 1.10	39.6	25	5410.305
	3-step, 0.33 m inclination	2.57 x 1.10	40.7	25	5410.306
12	Corner guardrail T12	0.28 x 1.10	11.2	40	5410.303

06 Stands

You can choose the seating to suit the application, but also to suit your specific conditions. There is a choice of benches, bucket seats and tip-up seats.

Variant for bench seat:

The bench seat mounting is achieved with the **bench adapters 10**. The length of the vertical tubes is matched to the respective riser. For the bottom row of seats, **seat supports with rosette 11** are used.

The **bench 1** is 0.30m wide and comprises anodised aluminium stiles and smooth-coated plywood.

Bench seats are secured using **wedges 9a**. At the posts for side guardrails, **short wedges 9b** are needed. At the ends of each row of seats, **bench ends 2** are fitted.

Novanta bucket seats 3 can be fastened to the benches. We recommend **benches with predrilled holes 8** here. The standard Novanta bucket seats are dark blue, UV-protected and flame-retardant.

The assembly material comprises per seat:

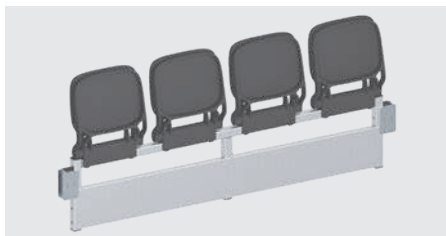
- 2 bolts with square neck
- 2 washers
- 2 nuts
- 1 plug, left
- 1 plug, right
- Number plate without lettering, white

Variant for folding seats:

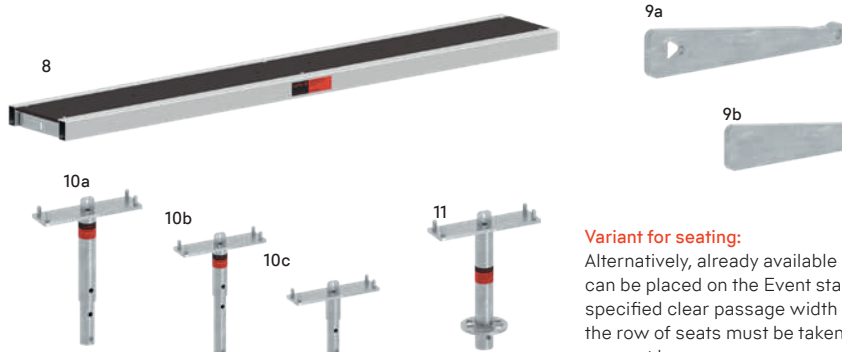
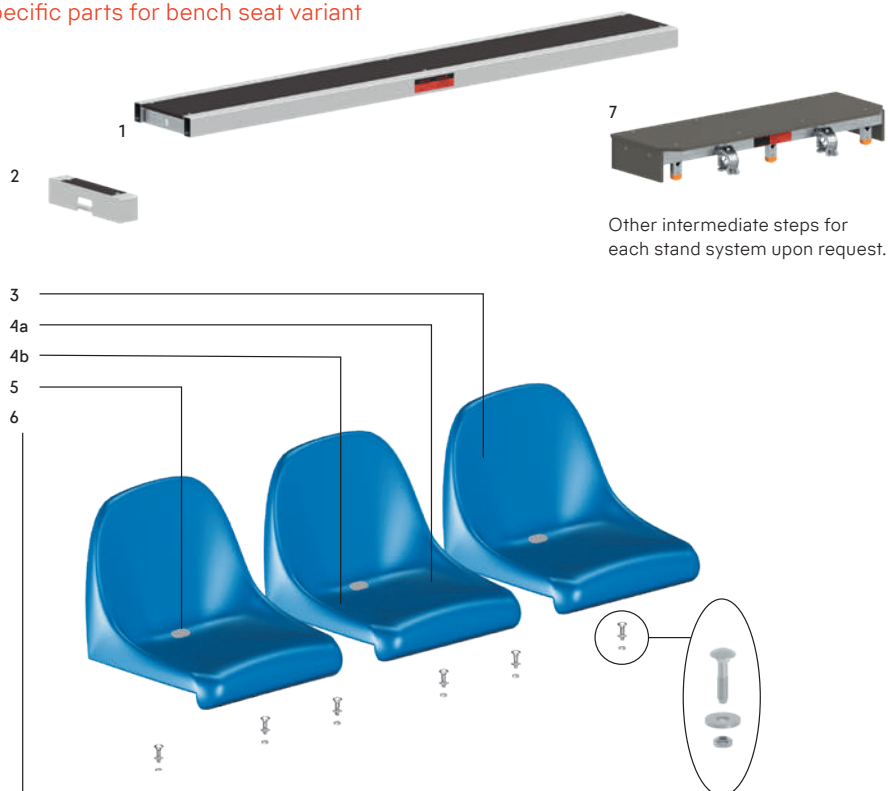
Tip-up seats 12 are clamped to the **aluminium frames 14** at one point. This creates handy seat elements for rapid assembly and low transport volumes. **Aluminium frames 14** are inserted from above into the **adapters 15**. To fasten side guardrails, **standards 0.92m with adapter 17** are used. For the bottom row of seats, **adapters with rosette 16** are used, and on the side guardrail the **standard 1.18m with adapter 18**.

The **aluminium frames, the adapters and standards** for tip-up seats **14–18** match all three risers: 0.16m, 0.25m and 0.33m. Tip-up seats are available in the following colours:

Royal Blue RAL 5007	Indigo Blue RAL 5003	Scarlet Red RAL 3020	Emerald Green RAL 6001	Golden Yellow RAL 1023	Cristall White RAL 9003	Acetic Grey RAL 7042
------------------------	-------------------------	-------------------------	---------------------------	---------------------------	----------------------------	-------------------------



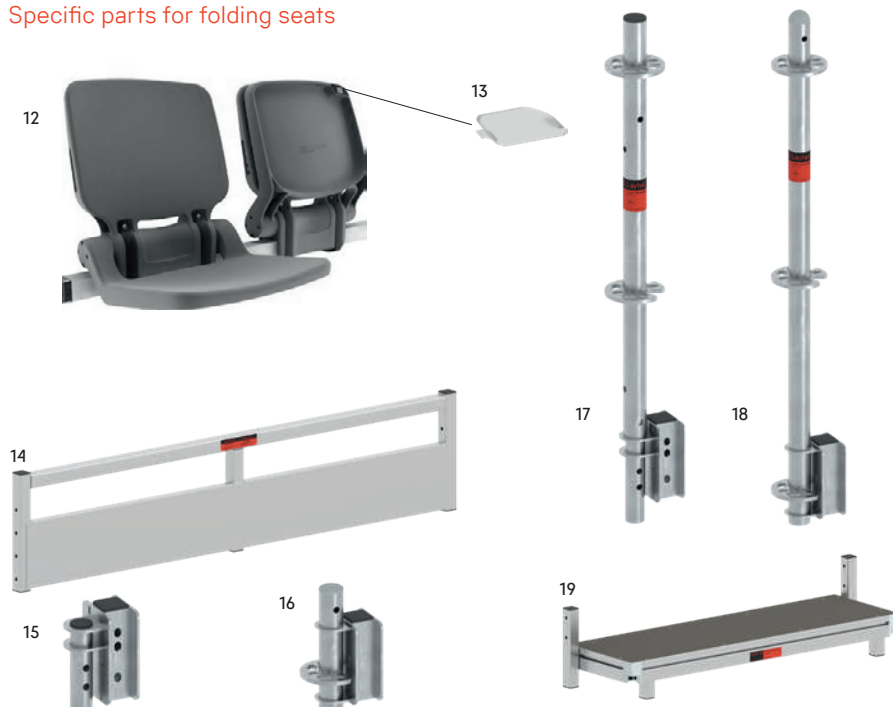
Specific parts for bench seat variant



Variant for seating:

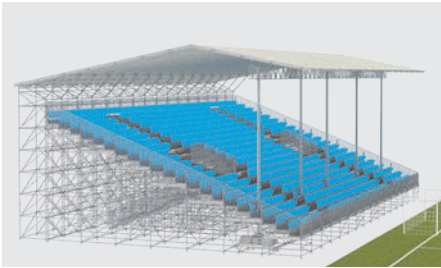
Alternatively, already available chairs can be placed on the Event stand. The specified clear passage width inside the row of seats must be taken into account here.

Specific parts for folding seats

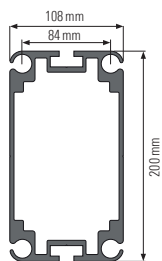


Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	Bench				
	anodised aluminium, coated plywood, for EV 86 and EV 86Q	1.57 x 0.30	7.2	60	5623.157
	anodised aluminium, coated plywood, for EV 100	2.00 x 0.30	9.4	60	5623.200
	anodised aluminium, coated plywood, for EV 86 and EV 104	2.07 x 0.30	9.5	60	5623.207
	anodised aluminium, coated plywood, for EV 86Q	2.57 x 0.30	11.7	60	5623.257
2	Bench end	0.06 x 0.30	0.5	400	5624.000
	anodised aluminium, coated plywood				
3	Novanta bucket seat	0.40 x 0.43	1.6	120	5408.021
	blue, UV-protected and flame-retardant				
4	Plug				
a	left, blue		0.2	20	5408.029
b	right, blue		0.2	20	5408.030
5	Number plate		0.2	20	5408.028
	without lettering, white				
6	Assembly-Set for 20 bucket seats		1.2	40	5408.008
	existing of 40 bolts M8 x 40 mm, 40 nuts and 40 washers				
7	Intermediate step	L = 1.00	8.4	12	5402.110
	0.30 x 0.12 x L, with 2 half couplers, for EV 100 and EV 104	L = 1.25	10.5	24	5402.130
8	Bench, with holes				
	for Novanta bucket seats, for EV 86 and EV 86Q	1.57 x 0.30	7.2	60	5408.157
	for Novanta bucket seats, for EV 86 and EV 104	2.07 x 0.30	9.5	60	5408.207
	for Novanta bucket seats, for EV 86Q	2.57 x 0.30	11.7	60	5408.257
9	Allround wedge				
a	steel, for securing bench	0.14	12.0	100	6494.901
b	short, 90 mm without holes, for securing bench at edge of stand	0.09	1.0	10	6495.041
10	Bench adapter				
a	inclination 0.16 m, for EV 86 and EV 86Q	0.42	3.7	100	5406.010
b	inclination 0.25 m, for EV 86, EV 86Q, EV 100 and EV 104	0.34	3.4	100	5406.015
c	inclination 0.33 m, for EV 86 and EV 86Q	0.26	3.0	100	5406.020
11	Seat support with rosette	0.34	4.0	300	5619.000
	for lowest stand row				
12	Tip-up seat, black	0.48 x 0.42	3.2	60	5515.001
	UV-protected and flame-retardant				
13	Cover clip		0.1	20	5515.022
	for tip-up seat				
14	Aluminium frame for tip-up seats	1.50 x 0.43	7.4	50	5517.150
	suitable for all inclinations	1.57 x 0.43	7.6	50	5517.157
		2.00 x 0.43	9.4	50	5517.200
		2.07 x 0.43	9.7	30	5517.207
		2.50 x 0.43	11.6	30	5517.250
		2.57 x 0.43	11.8	30	5517.257
15	Adapter with spigot	0.17	2.8	150	5521.001
16	Adapter with rosette	0.26	3.5	150	5521.002
	for lowest stand row				
17	Standard 0.92 m with adapter	0.92	7.8	50	5521.003
	for guardrail mounting				
18	Standard 1.18 m with adapter	1.18	7.9	50	5521.004
	for guardrail mounting at the lowest stand row				
19	Intermediate step for stands with tip-up seats	1.57 x 0.12	13.2	10	5402.132
	step depth 0.43 m	1.57 x 0.16	13.7	10	5402.134
		2.07 x 0.12	16.8	10	5402.136
		2.07 x 0.16	17.3	10	5402.138

Stand roof

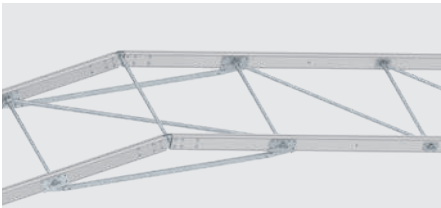


The Layher stand roof protects the audience from sun and rain.

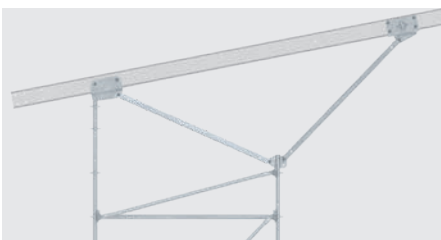


The basis for the roof trusses is the **Keder Rail 9000 1** with additional holes. The spacing of the keder grooves is 3 cm wider than with other Layher keder rails, which must be taken into account when ordering the roof tarpulins

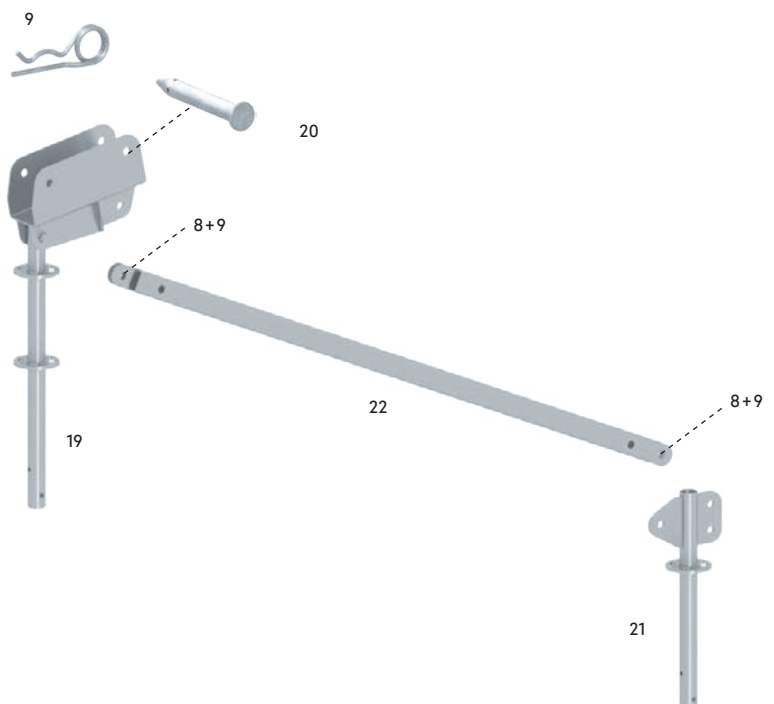
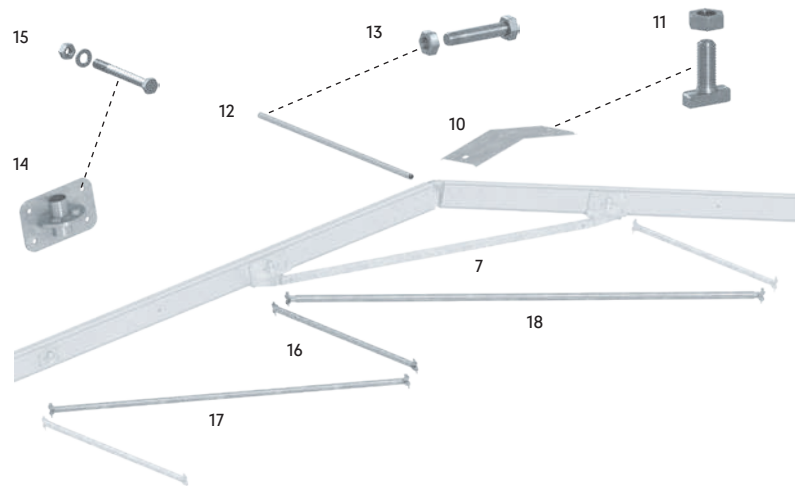
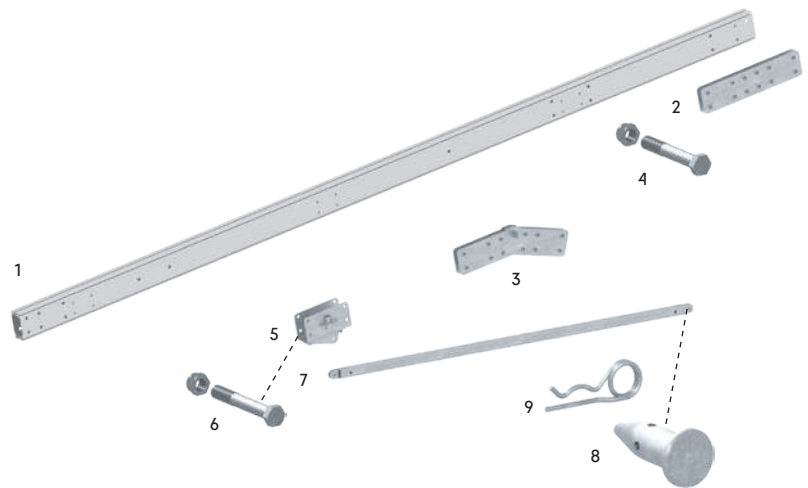
The keder rails are extended with the **keder rail connector 2**, and the **ridge connector 3** is used to form the roof ridge with $2 \times 11^\circ$. For the assemblies mounted on the ground, the elements are fastened with **hexagonal bolts 4/6**. The pre-assembled sections are connected at height with **bolts 20**.



The stiffening of the roof trusses is carried out with corresponding **O-ledger LW 16** and **horizontal diagonal braces 17/18**. The connections are realised with the **rosette adapter 14** and the **bolt 15**. The truss spacing is 2.07 m.



With the help of the **support and bracing elements 19–22**, the stand roof can be placed on a pre-assembled stand back wall (2.07 m wide) in a bending-stiff way.

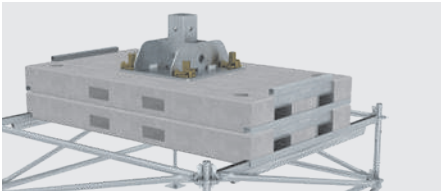


Pos.	Description	WS [mm]	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	Aluminium keder rail 9000		4.00	45.8	50	5411.004 
			6.00	65.8	50	5411.006 
			8.00	87.7	50	5411.008 
2	Keder rail connector		0.80	19.6	20	5411.010 
3	Ridge connector		0.90	21.0	20	5411.011 
4	Hexagonal bolt M20 x 140 mm with securing nut			11.5	25 	5411.093 
5	Support for FW connection		0.25	11.1	12	5411.022 
6	Hexagon bolt M20 x 150 mm with securing nut			12.1	25 	5411.094 
7	Ridge strut		2.85	20.9	20	5411.012 
8	Bolt 20 x 66 mm			1.6	10 	2646.221 
9	Securing pin d=4 mm			1.5	50 	5905.002 
10	Ridge cover sheet		0.25 x 0.105	0.2	500	5411.013 
11	Groove bolt for keder rail M12 x 40 with nut			5.0	50 	4206.003 
12	Ridge tube for 2.07 m truss spacing		2.00	6.8	50	5411.046 
13	Special bolt M12 x 60 mm with nut	19		4.0	50 	4905.062
14	Rosette adapter		0.20	2.0	150	5411.026 
15	Hexagon bolt M12 x 140 mm with nut an washer			8.2	50 	5411.092 
16	O-ledger LW		1.95	6.8	50	5411.042 
17	O-ledger LW horizontal diagonal		2.80	9.5	50	5411.043 
18	Ridge horizontal diagonal brace for 2.07 m truss spacing		3.56	15.2	50	5411.044 
19	Bearing with standard		0.90	14.6	10	5411.020 
20	Bolt 20 x 167 mm			2.7	6 	5411.091 
21	Stand roof standard with FW system connector		0.60	5.3	28	5411.024 
22	FW chord		2.07	13.9	20	2646.207 

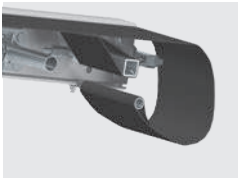
06 Stands



At the front of the grandstand, the roof trusses are supported by a 4-point beam made of **steel truss** components **2**. The roof trusses are connected every 2.07m. The 4-point beam transfers the roof loads to the **roof supports 5**. In the standard version, the roof props are positioned at a distance of 8.28m.

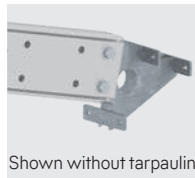


The **roof supports 5** are supported on specially designed **ballast elements 10**. These system ballast elements can be placed directly on the Allround scaffolding to ensure positioning and alignment. For the tension-resistant connection of the prop to the ballast, **bridging system diagonal rods 9** are provided, which are cut to size on site. The **plate nuts 8** (4 pieces at the top and 4 pieces at the bottom) are used for bracing.



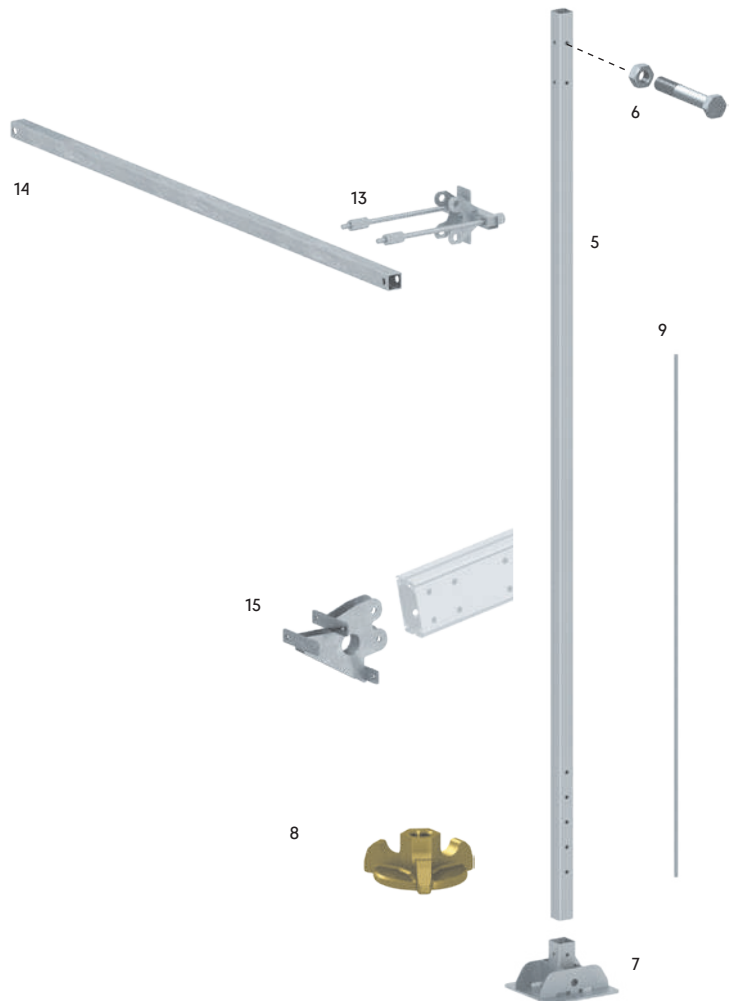
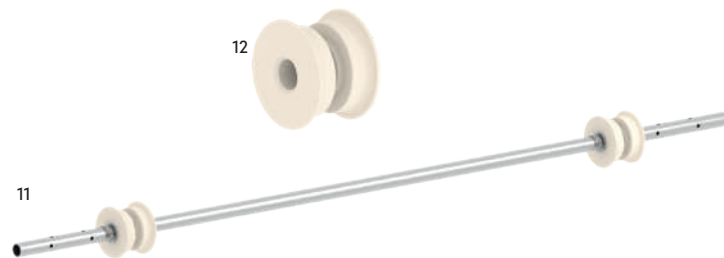
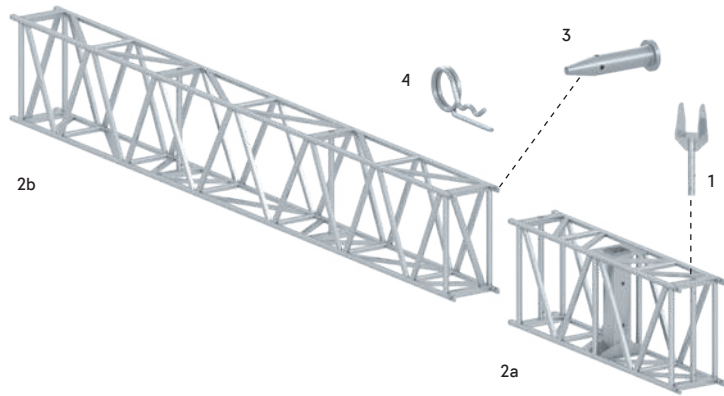
Shown without tarpaulin

The **tarpaulin tensioners K9000 13** are fitted to the rear ends of the roof girders. The threaded rods put the **tensioning tube 14** into the optimal position. The loose end of the roof tarpaulin can be fixed to the keder rails with a tube stiffener (Ref. No. 4204.207).

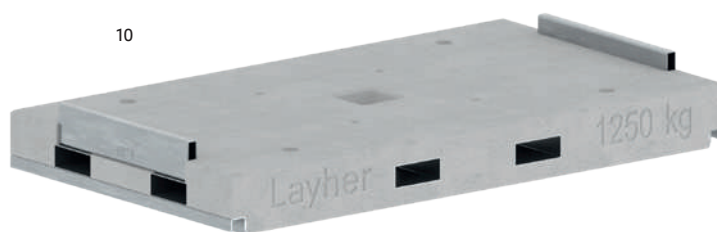


Shown without tarpaulin

The rain gutter is mounted on the front roof girder ends. The **gutter bracket K9000 15** enables the connection of a slotted ridge tube, to which the roof tarpaulin is attached, and 2 keder rails 2000 (Ref. No. 4201.xxx) between which the matching tarpaulin strip is suspended as a gutter. The narrow keder tarpaulin is manufactured on a project-specific basis to match the desired position of the downpipes.



The **ballast element 10** can be moved either by forklift truck or by crane. For this purpose, spherical head stops (Philipp spherical head transport anchor 81-013-120) are cast into the concrete.

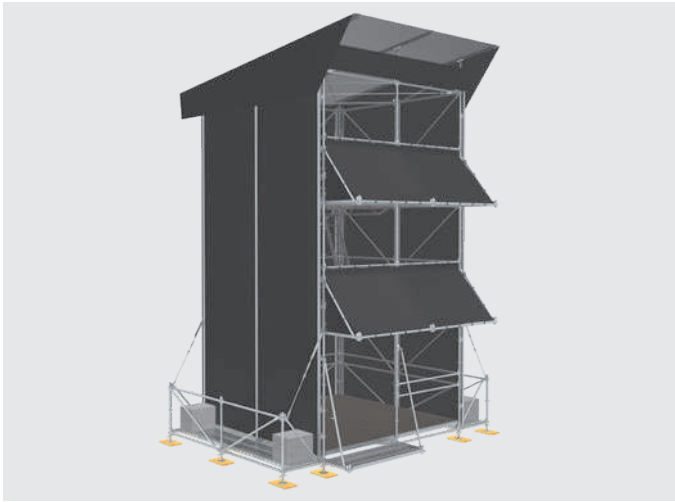


Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	Fork with tube connector	0.49	4.3	20	5411.028
2	a Steel truss 0.40 x 0.80 m b	2.23	170.3	2	5411.060
		6.00	285.8	2	5411.066
3	Bolt d=15.8 x 80 mm		0.7	4	5550.003
4	Securing pin d=2.8 mm		0.5	50	4905.002
5	Roof support 0.14 x 0.14 m drilled	7.50	257.0	5	5411.087
6	Hexagon bolt M30 x 200 mm with nut		7.6	5	5411.096
7	Grandstand roof holder for roof support	0.68	111.0	2	5411.080
8	Plate nut	0.13	1.5	250	5411.099
9	Bridging system diagonal rod for 2.07 m bay length	3.05	7.9	75	2671.030
10	Concrete ballast element	2.13 x 1.20 x 0.20	1.250.0	1	5411.100
11	Set for tarpaulin pulling K9000	3.00	6.0	1	5411.110
12	Castor for tarpaulin pulling K9000 d=175 mm		0.4	1	5411.111
13	Tarpaulin tensioner K9000	0.44 x 0.23	4.3	1	5411.130
14	Tensioning tube for 2.07 m panel	1.93	3.7	1	5411.135
15	Gutter bracket K9000	0.32 x 0.28	5.1	50	5411.120

07

TOWERS AND WALLS

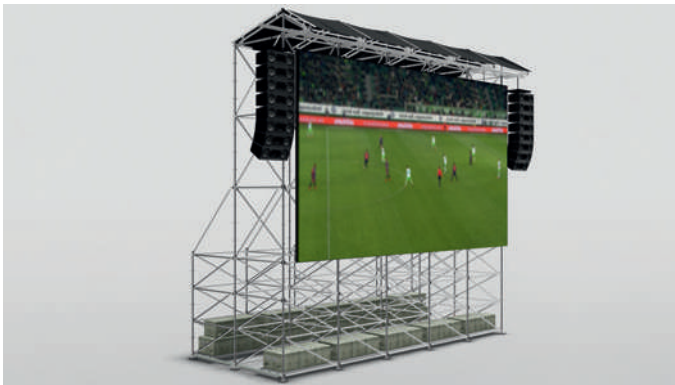
FOH Tower



The benefits for you:

- Quick and easy assembly thanks to optimum use of material.
- Neat and practically-minded design down to the last detail.
- Each of the maximum of three levels is without a hindering central support.
- Complete enclosure using keder tarpaulins.
- Very few special parts.
- Inspection books available for 4.14 m x 4.14 m (4 x 4) and 6.21 m x 4.14 m (6 x 4).

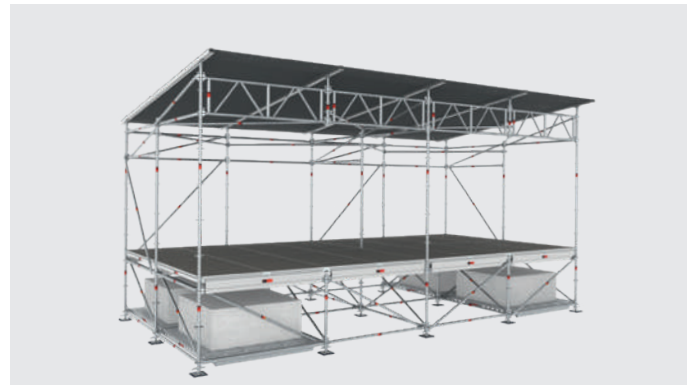
Video wall system



The benefits for you:

- High degree of planning certainty and simplicity, by covering many application scenarios with one system and by rapid material availability.
- High degree of legal security, thanks to the inspection book provided in accordance with DIN EN 13814 and covering all system variants. Stability is verified for up to wind zone 4. The video screen does not have to be removed in strong winds (display panel manufacturer's specifications must be complied with).
- Quick and easy assembly without a crane, thanks to bolt-free pin and wedge connection technology.

Side Stages



The benefits for you:

- No need to invest in individual structural analyses for Side Stages.
- Safety under the law from available verification of stability.
- Added value of existing material – new application options without additional investment.
- Well thought-out system solution using rapidly available standard Allround Scaffolding parts.
- Quick and easy building manually. No crane is needed.

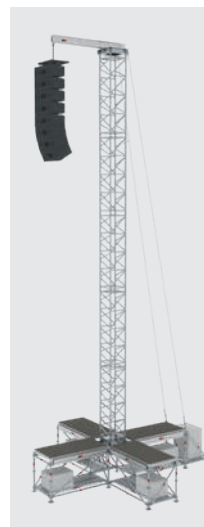
PA Tower PLUS



The benefits for you:

- Modular design, based on the Allround construction kit.
- Economical to assemble thanks to bolt-free wedge and pin connections.
- Minor logistic effort thanks to small packing dimensions.
- Planning and scheduling certainty thanks to availability of a structural report with more than 300 different variants.
- Investments are protected by new application possibilities for existing material without major additional investments.

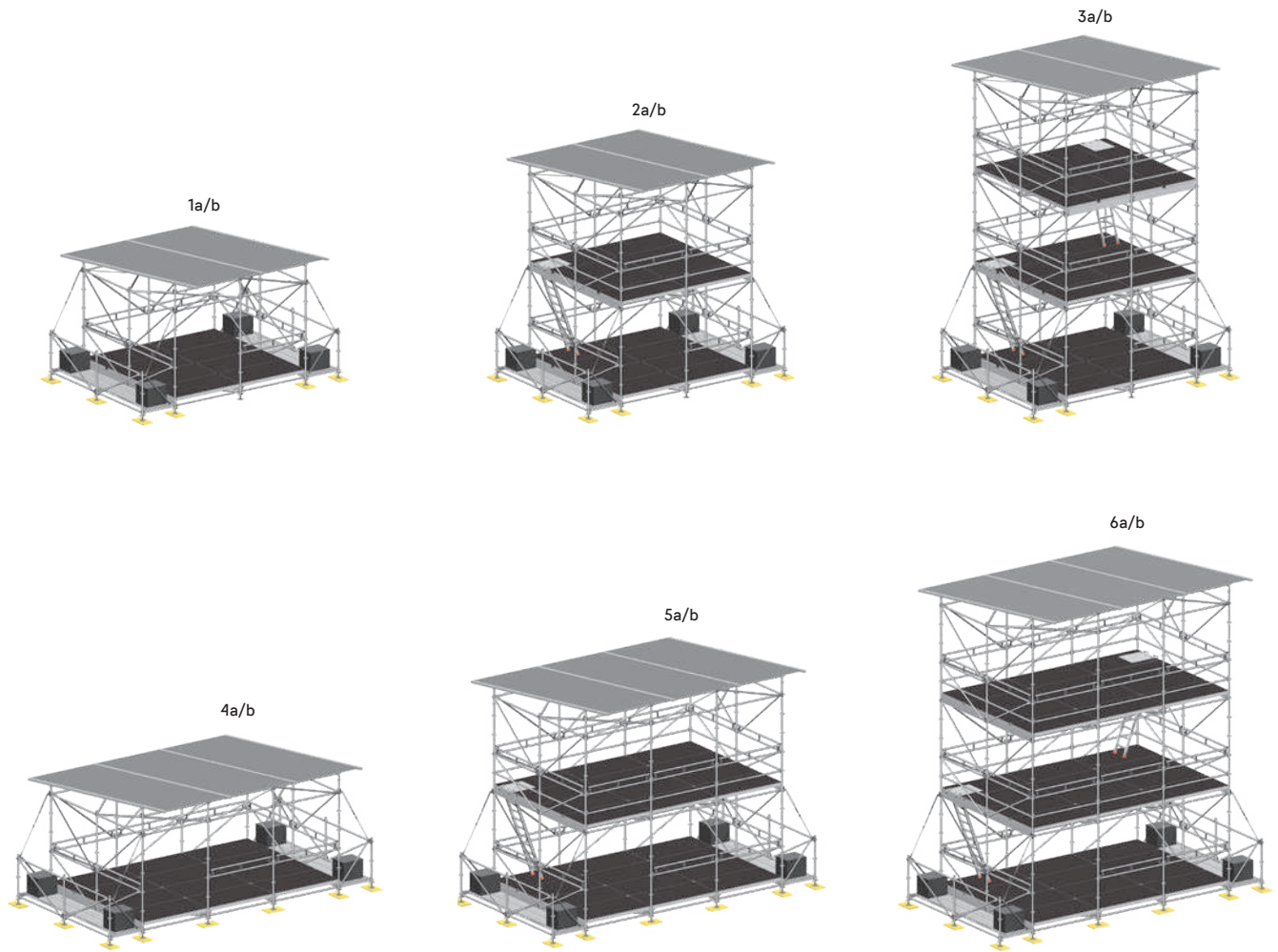
PA Tower MAXI



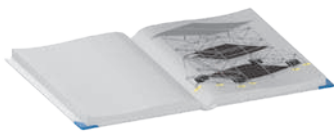
The benefits for you:

- Fast assembly and disassembly thanks to a small number of Layher system components and the use of proven connection technique.
- Modular design, based on the Allround construction kit.
- Planning and scheduling certainty thanks to availability of a structural report.
- Investment security thanks to additional application options for the individual components without major additional investment.

FOH Tower



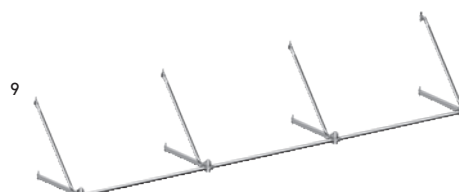
The Layher FOH Towers are of modular design in a kit system. To add a further storey to your FOH tower, it's only necessary to adjust the number of parts, but not their type. The optionally available projecting roofs and the optional entrance steps can be easily mounted if required.



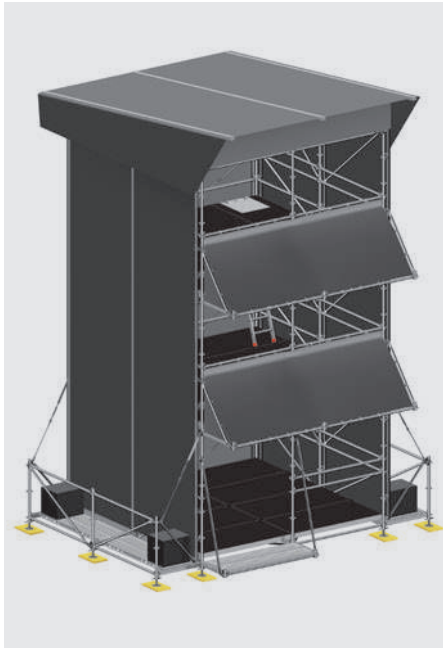
For all the shown variants of the FOH Tower, an inspection book is available. See page 9.

The construction complies with DIN EN 13814, which reflects the current state of the art. The Layher FOH Tower is available in the well-known Layher grid dimensions and in metric dimensions.

The wall coverings (rear wall and side walls) are available as a separate kit for all FOH Towers variants. These consist of: keder rail holders, keder rails 2000, keder tarpaulins and gable tarpaulins.



Pos.	Description	Dimensions L / H x W [m]
1a	FOH Tower with 1 storey including roof tarpaulins Wall covering for FOH tower 1a	4.00 x 4.00
1b	FOH Tower with 1 storey including tarpaulins Wall covering for FOH Tower 1b	4.14 x 4.14
2a	FOH Tower with 2 storeys including tarpaulins Wall covering for FOH Tower 2a	4.00 x 4.00
2b	FOH Tower with 2 storeys including tarpaulins Wall covering for FOH Tower 2b	4.14 x 4.14
3a	FOH Tower with 3 storeys including tarpaulins Wall covering for FOH Tower 3a	4.00 x 4.00
3b	FOH Tower with 3 storeys including tarpaulins Wall covering for FOH Tower 3b	4.14 x 4.14
4a	FOH Tower with 1 storey including tarpaulins Wall covering for FOH Tower 4a	6.00 x 4.00
4b	FOH Tower with 1 storey including tarpaulins Wall covering for FOH Tower 4b	6.21 x 4.14
5a	FOH Tower with 2 storeys including tarpaulins Wall covering for FOH Tower 5a	6.00 x 4.00
5b	FOH Tower with 2 storeys including tarpaulins Wall covering for FOH Tower 5b	6.21 x 4.14
6a	FOH Tower with 3 storeys including tarpaulins Wall covering for FOH Tower 6a	6.00 x 4.00
6b	FOH Tower with 3 storeys including tarpaulins Wall covering for FOH Tower 6b	6.21 x 4.14
7	FOH entrance	2.00 2.07
8	FOH projecting roof for 2 bays including tarpaulin	4.00 4.14
9	FOH projecting roof for 3 bays including tarpaulin	6.00 6.21



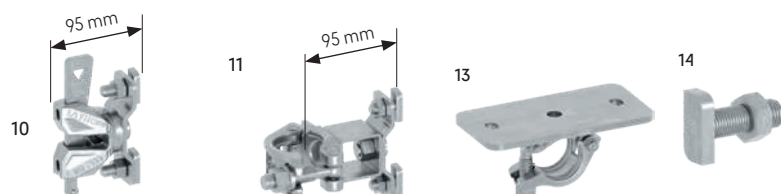
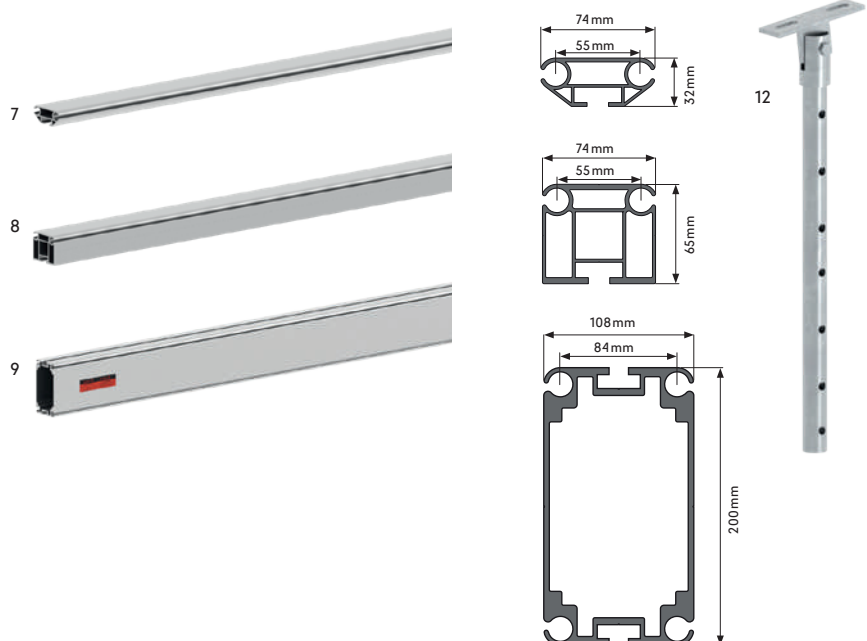
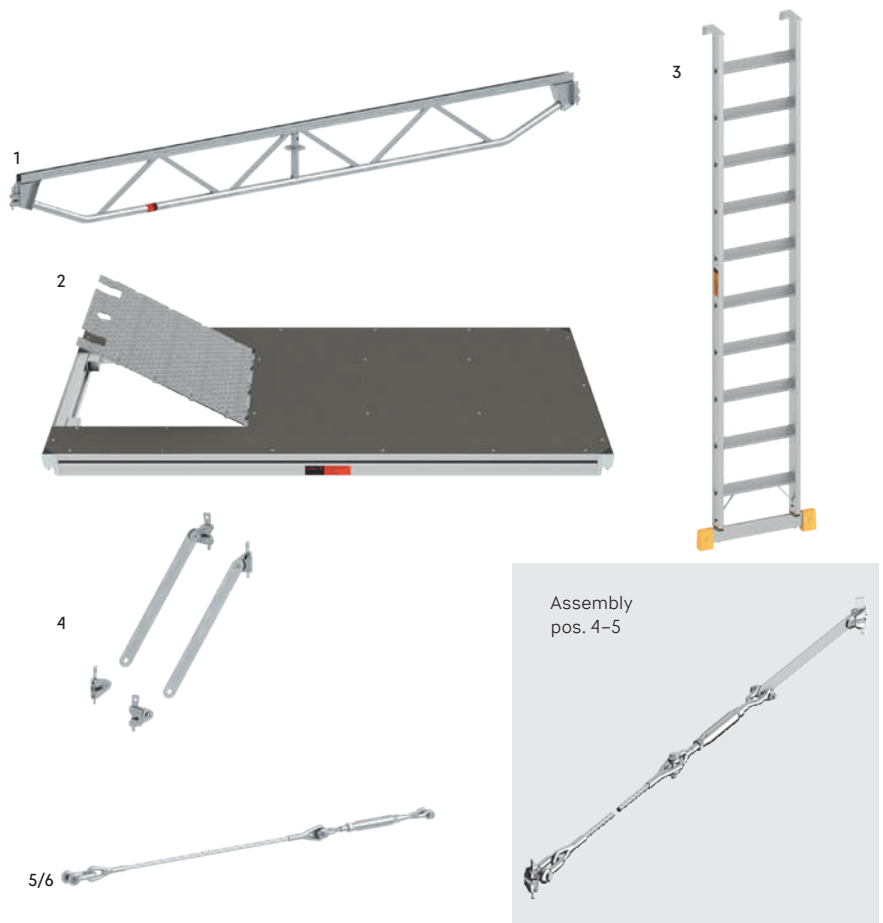
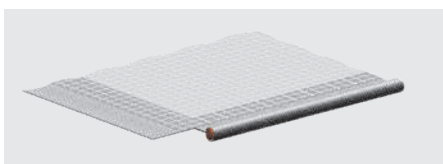
The proven **aluminium keder rail 2000 7**. Known for its low weight. Ideal for light-weight applications, particularly for wall coverings and scaffolding covers.

The **aluminium keder rail 3000 8** – very strong yet light. It is perfectly suited for medium spans, as found for example in FOH and directing towers or in technical equipment and storage areas. The keder rail 3000 can also be used as a wall keder rail over large spans.

The **aluminium keder rail 9000 9** is suitable as a heavy-duty marquee section for large and very large spans. Roofs and side coverings for large open-air stages can be constructed with this section, in addition to massive roofs for stands.

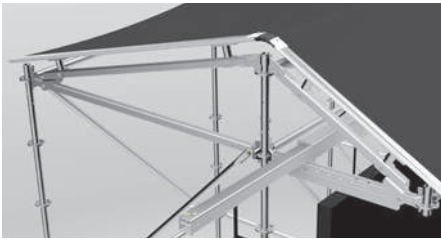
The **aluminium keder rails 7-9** are suitable for keder tarpaulins with a keder of 13 mm.

When using the **aluminium keder rails 7/8**, standard tarpaulins from the protective system range can be used. When using the **keder rail 9**, the tarpaulins must 29 mm narrower. We offer suitable material upon request.



Pos.	Description	WS [mm]	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	FOH beam					
	for EV 100		4.00	38.1	20	5573.010 
	for EV 104		4.14	38.6	20	5573.011 
2	Event access deck T16					
	with aluminium hatch, for EV 86		0.86 x 2.07	33.9	10	5402.221 
	with aluminium hatch, for EV 100		1.00 x 2.00	36.3	10	5402.222 
	with aluminium hatch, for EV 104		1.04 x 2.07	38.0	10	5402.223 
3	Single step ladder		2.70 x 0.45	7.7	10	5573.021 
	with hook 10-steps for storey height 2.50 m, for EV 100 and EV 104					
4	FOH rope holder set			2.7	100	5573.002 
	4 parts for connection of the ballast bays, for EV 100 and EV 104					
5	Rope fastener		1.22	1.3	10	5573.005 
	for ballast bays, for EV 100 and EV 104					
6	Rope fastener, for roof stiffening					
	as HD 4.00 x 4.00 m, for EV 100		5.57	7.5	10	5573.003 
	as HD 4.14 x 4.14 m, for EV 104		5.77	7.6	10	5573.004 
7	Aluminium keder rail 2000		1.30	1.9	50	4201.130 
			2.00	3.0	50	4201.200 
			2.25	3.3	50	4201.220 
			2.50	3.8	50	4201.250 
			3.00	4.5	50	4201.300 
			4.00	6.0	50	4201.400 
			6.00	9.0	50	4201.600 
8	Aluminium keder rail 3000		2.00	6.1	20	5574.200 
			3.00	9.2	20	5574.300 
			4.00	12.2	20	5574.400 
			5.00	15.3	20	5574.500 
			6.00	18.3	50	5574.600 
9	Aluminium keder rail 9000		5.00	54.8	10	5577.500 
			6.00	65.8	10	5577.600 
			9.00	98.7	10	5577.900 
10	Keder rail holder with wedge head		0.10	0.9	25	5573.000 
	rotatable, incl. 2 groove bolts					
11	Keder rail holder with half-coupler	19	0.16	1.0	25	5573.006 
	rotatable, incl. 2 groove bolts					
12	Hinged attachment		0.70	3.4	100	5573.001 
13	Half-coupler	19	0.20 x 0.10	2.1	100	5573.030 
	with plate					
14	Groove bolt for keder rail M12 x 40					
	with nut			5.0	50 	4206.003 
	M12 x 25 mm, with nut			4.3	50 	4206.004 

Video wall system



Product advantages:

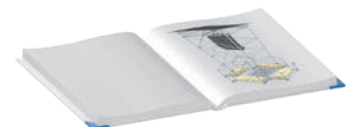
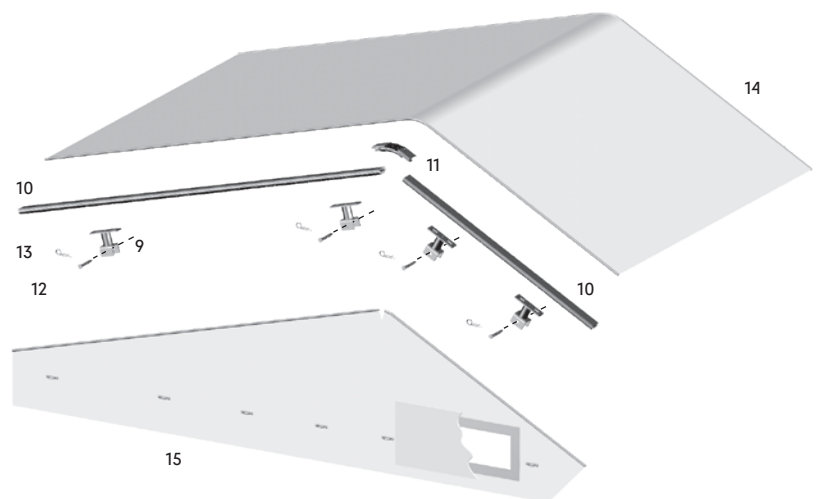
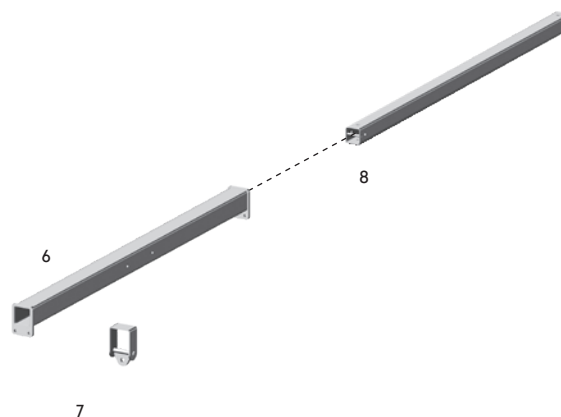
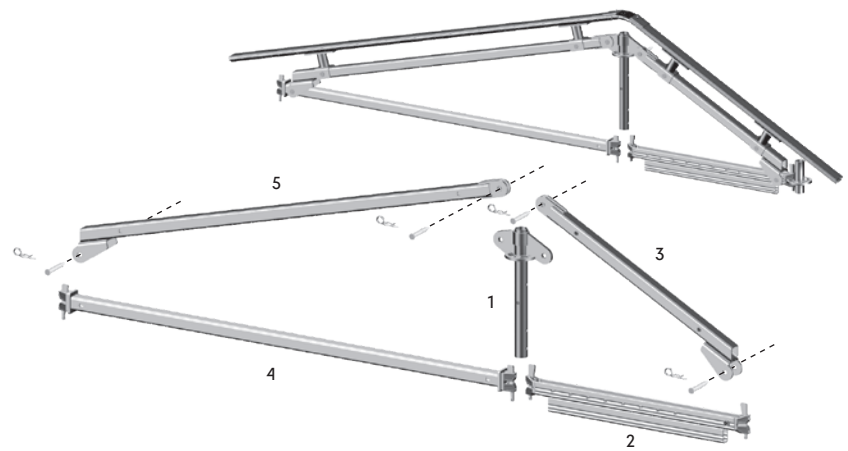
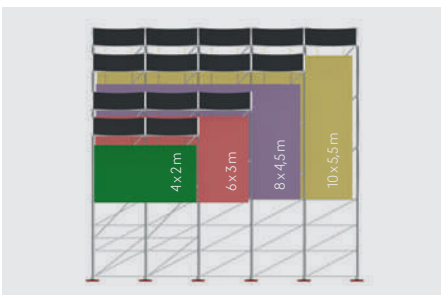
- Modular design based on Layher Allround Scaffolding
- Manual assembly
- Economical to assemble thanks to wedge and pin connections
- Low transport volume
- Expandable with additional functions

The load bracket consists of five parts connected to one another with **pins 12**. The **standard 0.50 m 1** has two different receiving plates for fastening the **diagonal braces 3/5**. At the top level of the scaffolding wall, one **ledger 4** is used. The projecting **U-ledger 2** can receive the **load beams 6** from both sides.

At the ends of the video screen, **projecting arms 8** can be laterally inserted to support the loads of up to 5kN. The necessary M12 x 130 bolts are supplied together with the projecting arm.

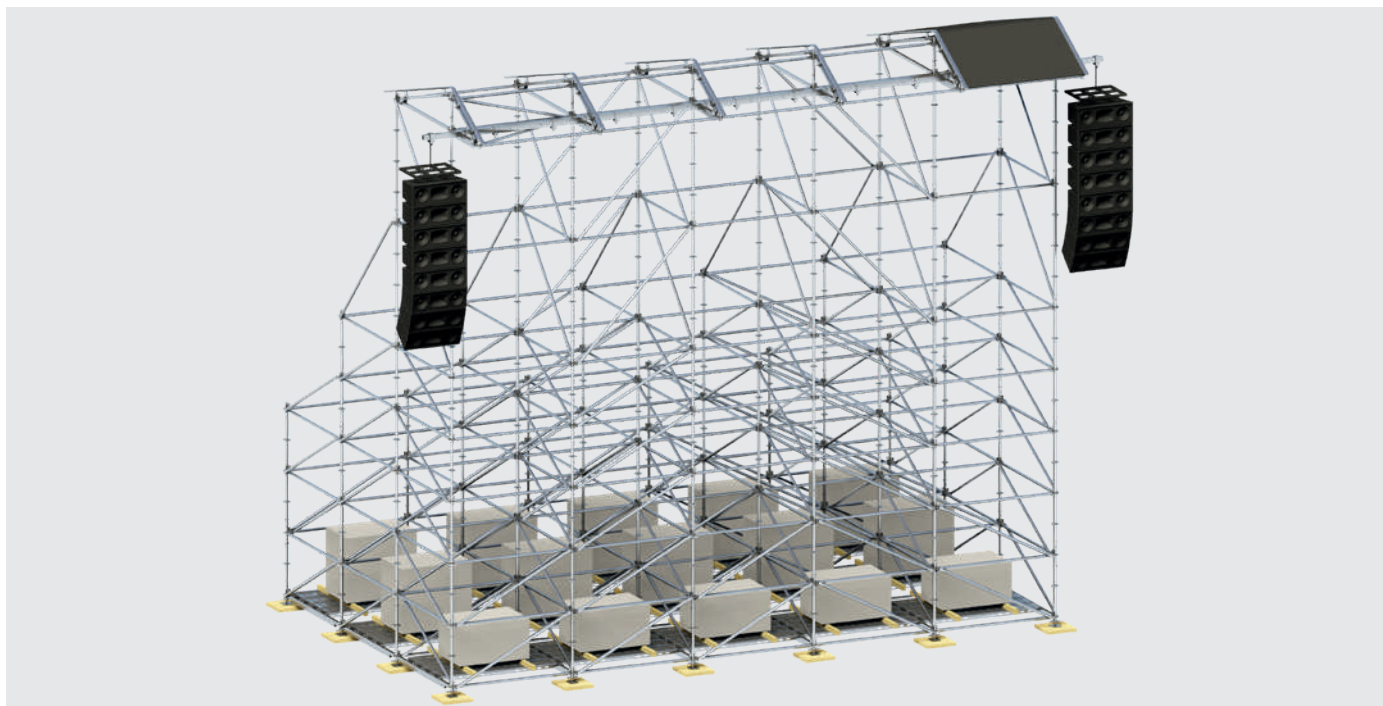
A roof can be constructed optionally. To do so, the **keder holders 9** are fastened by means of **pins 12** into the holes provided for them in the **diagonal braces 3/5**.

To fix the keder rails, groove bolts for keder rail (Ref. No. 4206.003) are needed.



For the pre-defined variants of the video wall system, an inspection book can be ordered. See page 9.

Other lengths for the keder rails and further accessory parts can be found in our **price list for Non-System Accessories**.



Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	Video wall standard, 0.50 m	0.50	4.5	100	5435.050
2	Video wall U-ledger	1.00	6.2	50	5435.100
		1.04	6.3	50	5435.104
3	Video wall diagonal brace, square tube, short for video wall U-ledger 1.00 and 1.04 m	1.01	7.1	100	5435.030
4	Video wall ledger, square tube	2.00	12.4	50	5435.201
		2.07	12.8	50	5435.208
5	Video wall diagonal brace, square tube, long for video wall ledger 2.00 and 2.07 m	1.93	12.3	50	5435.035
6	Load beam	1.00	17.1	10	5435.010
		1.04	17.6	10	5435.014
		2.00	32.2	10	5435.020
		2.07	33.3	10	5435.027
7	Suspension point	0.10 x 0.10	2.1	200	5435.210
8	Video wall PA projecting arm	2.00	23.8	20	5435.055
9	Video Wall keder holder	0.08 x 0.17	1.3	100	5435.215
10	Aluminium keder rail 2000	1.30	1.9	50	4201.130
		2.25	3.3	50	4201.220
11	Aluminium keder bow 2000 flexible, short	0.16	0.5	20	4205.004
12	Video wall pin 16 x 121 mm		0.2	300	5435.310
13	Securing pin d=4 mm		1.5	50	5905.002
14	Video wall roof tarpaulin				
	black	2.00 x 3.68	6.9	1	5435.320
		2.07 x 3.68	7.2	1	5435.327
	white	2.00 x 3.68	6.9	1	5435.321
		2.07 x 3.68	7.2	1	5435.328
15	Video wall gable tarpaulin				
	black	3.45 x 0.90	2.7	1	5435.330
	white	3.45 x 0.90	2.7	1	5435.331

PA Tower PLUS

Towers for loudspeakers, camera equipment or lighting are essential at every sporting and cultural event.

Depending on requirements, more than 300 preconfigured variants in various heights and widths are possible.



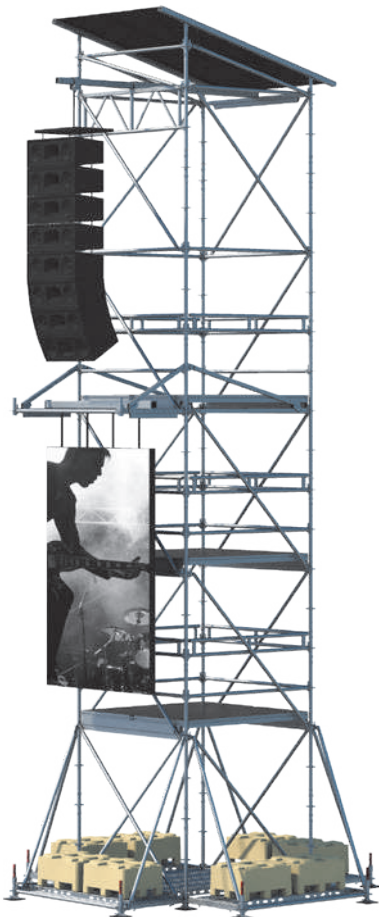
An extensive structural report is available for all these variants.

Two surface areas are available – 2.07x2.07 m and 4.14x4.14m or 2.00 x 2.00m and 4.00 x 4.00 m – plus heights from 4.7 to 14.7 metres.

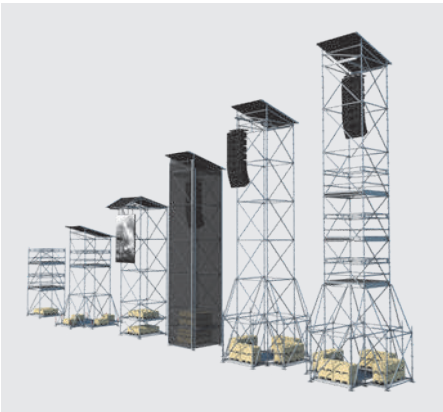
Roofs and enclosures using tarpaulins or the Protect System that quickly fits onto Allround Scaffolding cater to every requirement.

The stability of the PA-Tower PLUS was structurally verified in accordance with the current standard DIN EN 13814: with and without a wind strength limit up to wind zone 4 – both with and without covering.

This means that time-consuming and cost-intensive structural analyses for individual towers are no longer needed, considerably reducing the project handling workload.



- Example for use:
- Ground plan 4x4 m
 - 3 work levels
 - Video wall bracket
 - Cantilever for loudspeakers
 - Roofing



Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	PA Tower PLUS U-lattice beam	2.00	20.9	40	5436.200
		2.07	21.4	40	5436.207
2	PA Tower PLUS U-ledger	2.00	12.5	50	5435.200
		2.07	12.7	50	5435.207

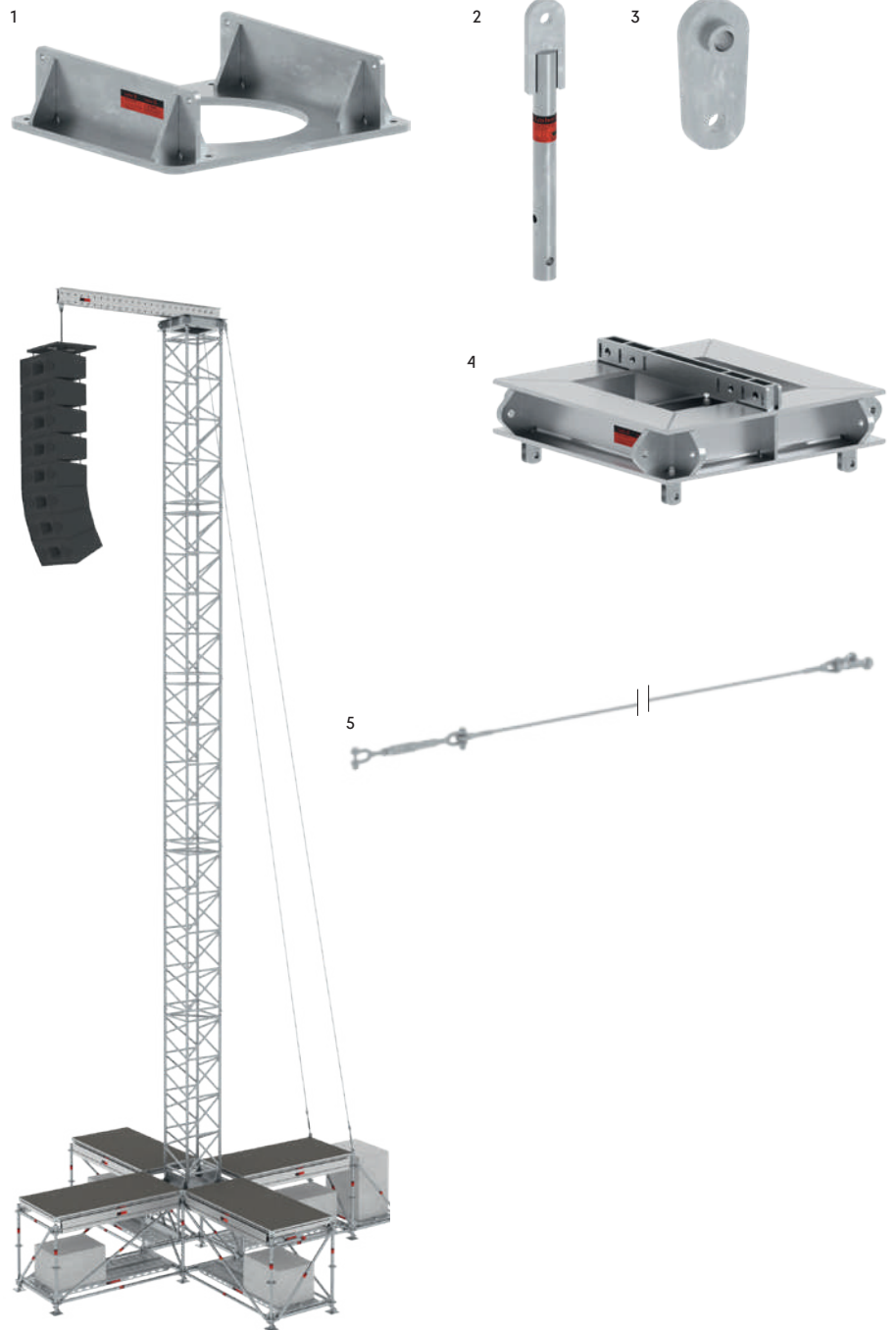
PA Tower MAXI

The new Layher PA towers made of Maxi-Truss are compact to store and quick to erect. They are used for all types of PA systems that can have a dead weight of up to 1.5 tonnes. The product consists of just a few individual parts. The tried and tested Layher Allround Scaffolding is the basis and is supplemented by the Universal Base.

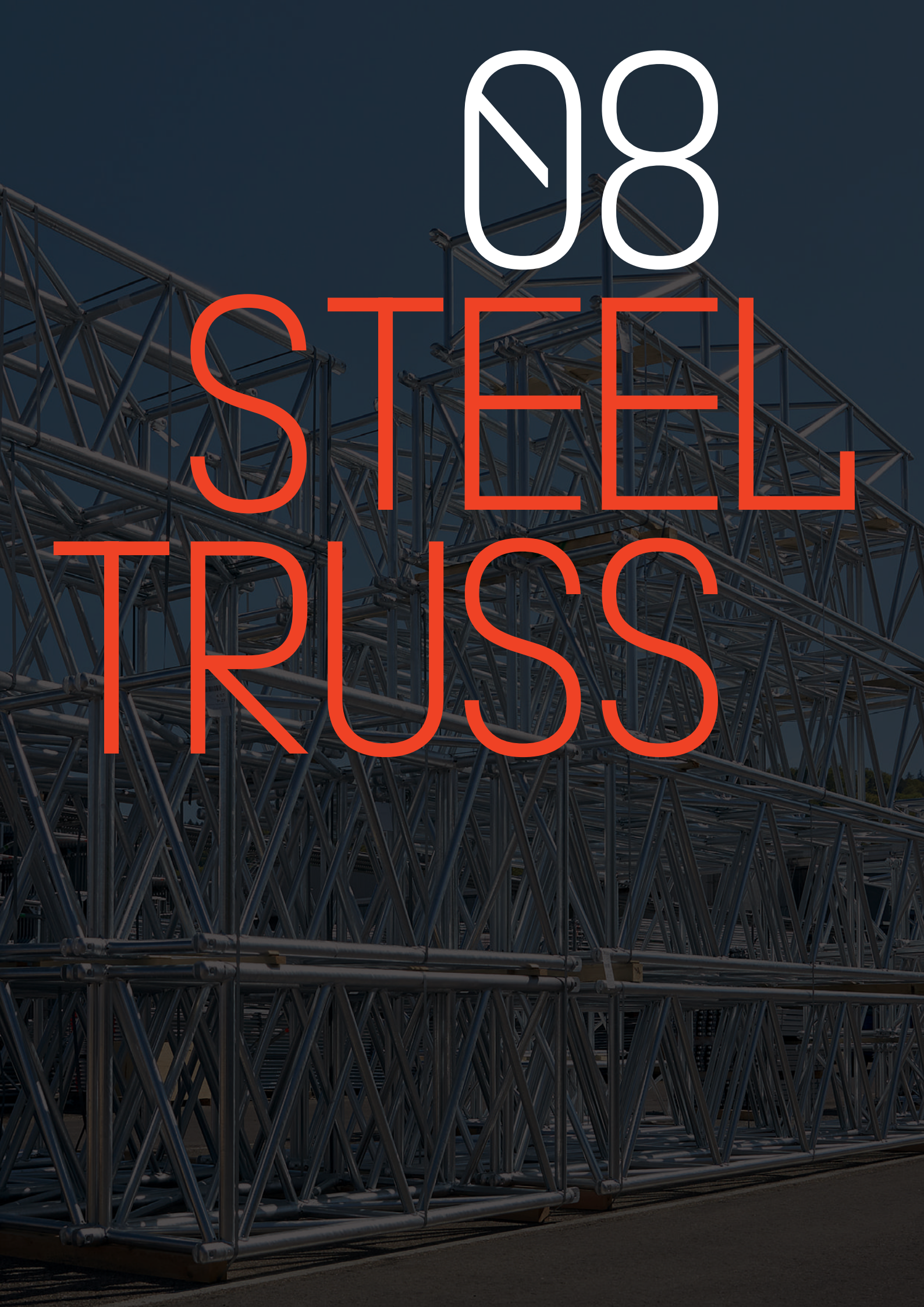
A truss system up to 12 m long is assembled on this base, to the top of which the aluminium TwixBeam is attached as a cantilever.



Thanks to an available test book, the use of Maxi-Truss PA towers is statically and legally secure.

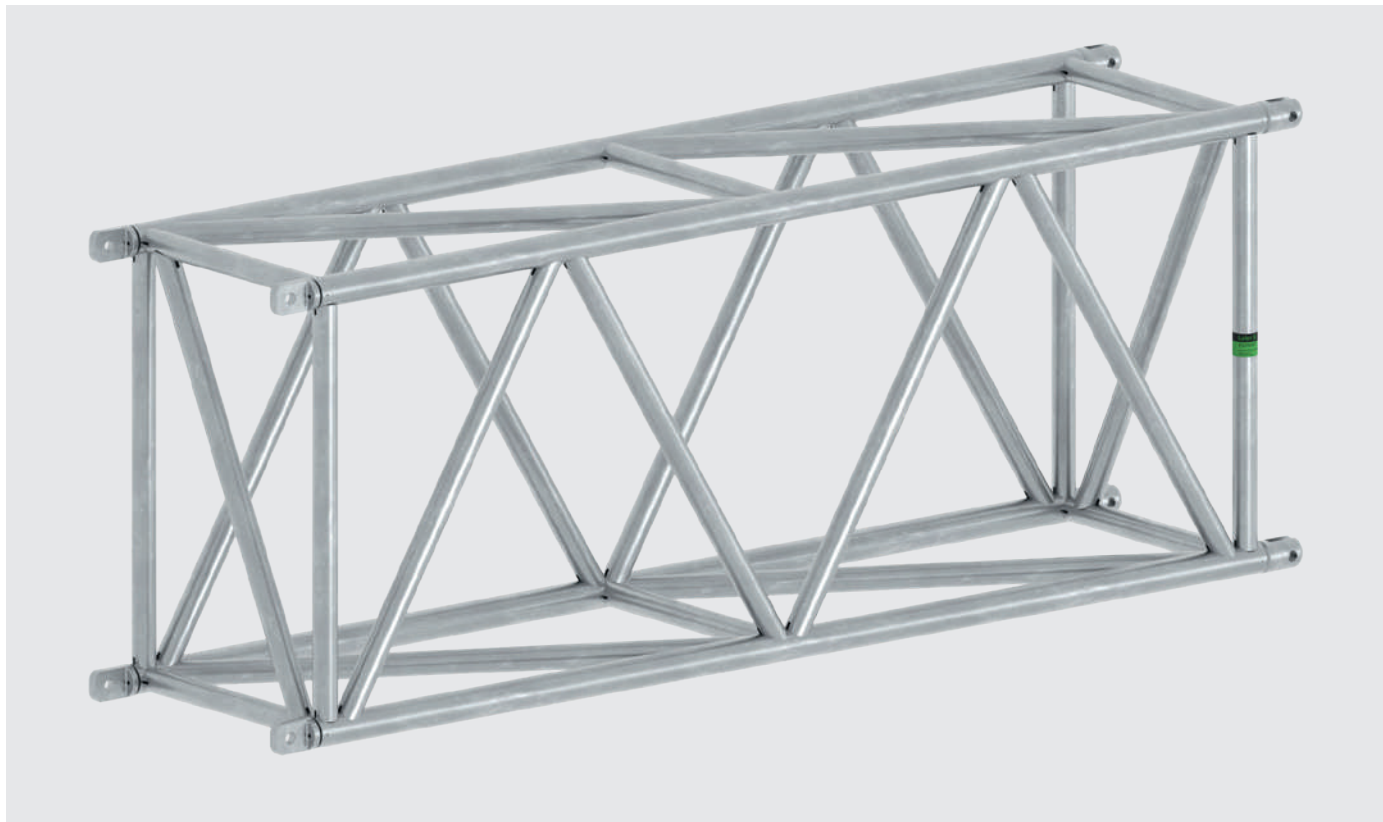


Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	Base Plate for Maxi-Truss		82.1	10	5437.002
2	Standard adaptor for rope fixation		4.4	250	5437.003
3	Suspension lug for TwixBeam		1.9	500	5437.004
4	Top Part Maxi-Truss for TwixBeam		102.7	1	5437.001
5	Rope fastener D10	12.31	14.0	10	5437.005



08

STEEL TRUSS



Constructions, which are made to carry high loads and however must be easy and fast to assemble, need well-thought and strong components. Layher offers with the new steel truss the right tools for that challenge.



The benefits for you:

- Attractive outer dimensions.
- High load-bearing capacity.
- Large spans.
- Quick assembly thanks to well-known fork-connectors.
- Low bending.

Basic components

Constructions, which are made to carry high loads and however must be easy and fast to assembly, need well-thought and strong components. Layher offers with the new steel truss the right tools for that challenge.

If needed, order the free available system statics for the truss systems. These contain load tables and all relevant data for your planning office.

Tower Truss

The Layher Tower truss is suitable for use as a vertical support for structures with horizontal Maxi-Truss beams. Examples of use: Ground support, advertising panel and cable bridge.

Maxi Truss

The Maxi Truss is a very strong transom type, which is especially usable for roofings as main transom, as ground support, for advertisement signs or cable bridges.

Nova Truss

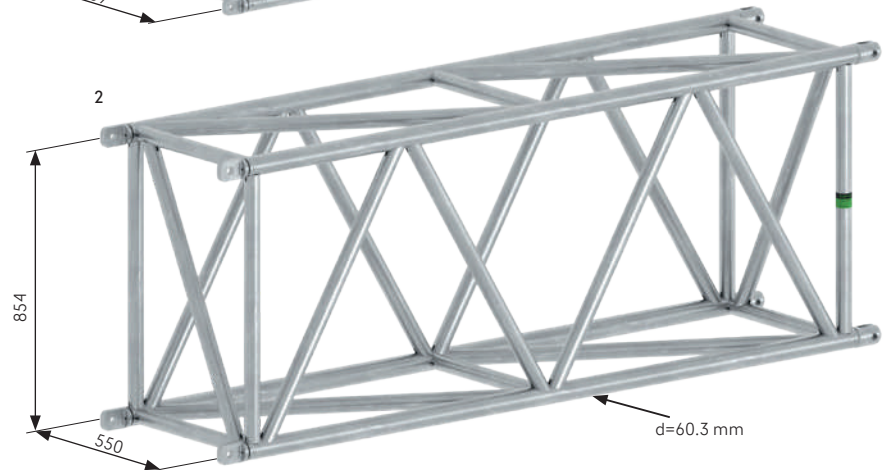
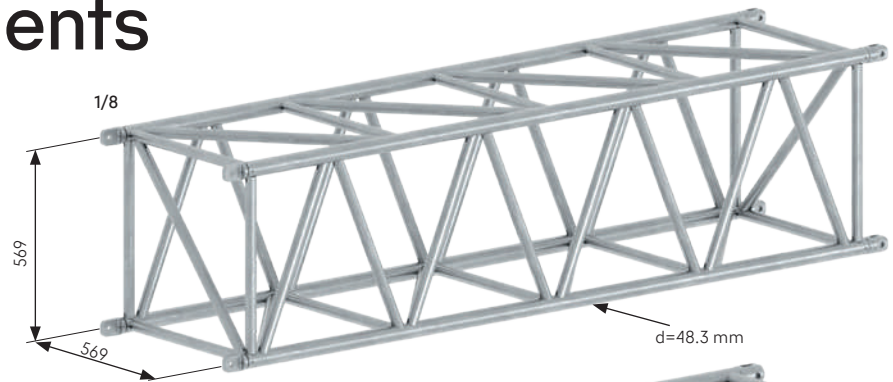
The Layher Nova truss is suitable for use as a vertical support for structures with horizontal Super-Truss beams. Examples of use: Ground support, advertising panel and cable bridge.

Super Truss

The Super Truss is a very strong transom type, which is usable for roofings as main transom, as ground support, for advertisement signs or cable bridges.

The steel truss elements are connected to one another using bolts 3/4 and securing pins 5/6. The bolts intended for this purpose must be ordered separately.

The steel truss elements will be produced individually according to your requirements. Do not hesitate to ask us! We are pleased to help you.



Use at Tower Truss, Maxi Truss und Nova Truss



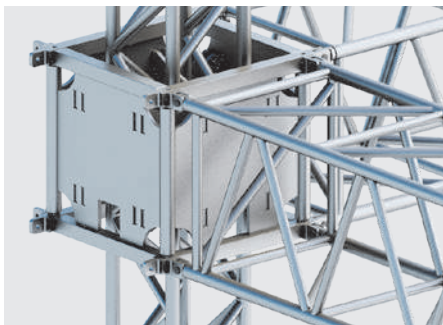
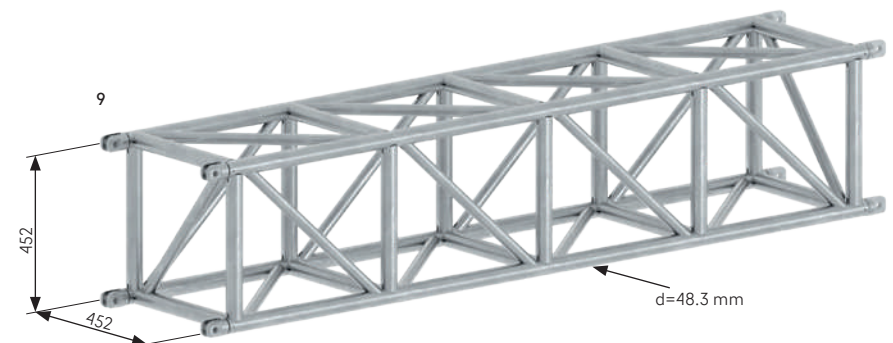
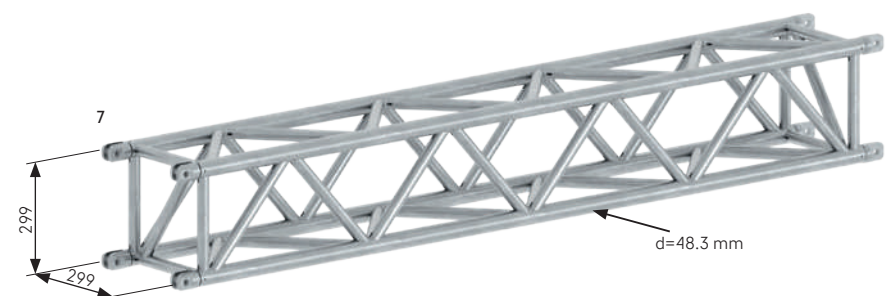
Use at Super Truss



Use at Tower Truss, Maxi Truss und Nova Truss



Use at Super-Truss



Corner elements and sleeve blocks on request.

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	Maxi-Truss steel, hot-dip galvanised, axial dimensions 569 x 569 mm, usable for roofings as main transom, as ground support, for advertisement signs or cable bridges, use with bolt d=15.8 mm	1.20	55.6	4	5651.120
		2.40	98.4	4	5651.240
2	Super-Truss steel, hot-dip galvanised, axial dimensions 550 x 854 mm, usable for roofings as main transom, as ground support, for advertisement signs or cable bridges, use with bolt d=20 mm	2.40	149.6	2	5650.240
		3.00	186.2	2	5650.300
		4.00	237.4	2	5650.400
		5.00	289.8	2	5650.500
		5.50	323.1	2	5650.550
3	Bolt d=15.8 x 80 mm		0.7	4	5550.003
4	Bolt d=20 x 100 mm		1.3	4	5550.004
5	Securing pin d=2.8 mm		0.5	50	4905.002
6	Securing pin d=4 mm		1.5	50	5905.002

On request

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	Weight per metre approx. [kg]	Ref. No.
7	Tower Truss steel, hot-dip galvanized, axial dimensions 299 x 299 mm, usable for roofings as vertical support for constructions of Maxi Truss, as ground support, advertisement signs or cable bridges, use with bolt 15.8 x 80	0.50	23.00	46.00	on request
		1.00	37.00	37.00	
		1.50	50.30	33.50	
		2.00	67.30	33.70	
		2.40	81.00	33.80	
		3.00	98.00	32.70	
		4.00	127.70	31.90	
		5.00	152.60	30.50	
8	Maxi Truss steel, hot-dip galvanized, axial dimensions 569 x 569 mm, usable for roofings as main transom, as ground support, for advertisement signs or cable bridges, use with bolt 15.8 x 80	0.25	21.60	86.40	on request
		0.50	33.00	66.00	
		1.00	53.40	53.40	
		2.07	91.00	44.00	
		3.00	120.00	40.00	
		4.00	156.90	39.20	
		5.00	191.00	38.20	
9	Nova Truss steel, hot-dip galvanized, axial dimensions 452 x 452 mm, usable for roofings as vertical support for constructions of Super Truss, as ground support, for advertisement signs or cable bridges, use with bolt 15.8 x 80	1.50	78.00	52.00	on request
		2.40	109.30	45.50	
		3.00	142.50	47.50	
		4.00	184.90	46.20	
		5.00	227.40	45.50	
		6.00	270.00	45.00	

Index

Adapter with rosette	27	FOH Tower	35
Adapter with spigot	27	FOH Tower	35
Allround wedge	27	Fork with tube connector	31
Aluminium frame for tip-up seats	27	FW chord	29
Aluminium keder bow 2000 flexible, short	39	Grandstand roof holder for roof support	31
Aluminium keder rail 2000	37	Groove bolt for keder rail M12 x 40	29
Aluminium keder rail 2000	39	Groove bolt for keder rail M12 x 40	37
Aluminium keder rail 3000	37	Guardrail for modular stairway Plus	19
Aluminium keder rail 9000	29	Guardrail post	25
Aluminium keder rail 9000	37	Guardrail post for podium	19
Assembly-Set for 20 bucket seats	27	Guardrail post for stand	25
Banding	19	Guardrail standard	25
Base beam	21	Guardrail T12 with child protection	19
Base collar	15	Gutter bracket K9000	31
Base lattice beam	21	Half-coupler	37
Base plate 20	15	Hexagonal bolt M20 x 140 mm	29
Base plate 60	15	Hexagon bolt M12 x 140 mm	29
Base Plate for Maxi-Truss	41	Hexagon bolt M20 x 150 mm	29
Base plate type 1	21	Hexagon bolt M30 x 200 mm	31
Bearing with standard	29	Hinged attachment	37
Bench	27	Hinged pin	15
Bench adapter	27	Initial standard LW	15
Bench end	27	Inspection book for Event Podium	9
Bench, with holes	27	Inspection book for Event Stand and Podium	9
Bolt 20 x 66 mm	29	Inspection book for FOH Tower	9
Bolt 20 x 167 mm	29	Inspection book for PA-Tower MAXI	9
Bolt d=15.8 x 80 mm	31	Inspection book for PA Tower PLUS	9
Bolt d=15.8 x 80 mm	45	Inspection book for video wall system	9
Bolt d=20 x 100 mm	45	Intermediate step	27
Bolt M10 x 70 mm	25	Intermediate step for stands with tip-up seats	27
Bridging system diagonal rod	31	Keder rail connector	29
Castor for tarpaulin pulling K9000	31	Keder rail holder with half-coupler	37
Clamp black	17	Keder rail holder with wedge head	37
Clamp yellow	17	LayPLAN CAD	7
Concrete ballast element	31	Load beam	39
Corner guardrail T12	25	Lock for stand element	25
Cover clip	27	Maxi Truss	45
Diagonal brace LW, steel, 0.50 m bay height	15	Maxi-Truss	45
Diagonal brace LW, steel, 1.00 m bay height	15	Novanta bucket seat	27
Diagonal brace LW, steel, 1.50 m bay height	15	Nova Truss	45
Diagonal brace LW, steel, 2.00 m bay height	15	Number plate	27
Double handrail T13	19	O-ledger LW	15
Event access deck T16	37	O-ledger LW	29
Event deck T16	17	O-ledger LW horizontal diagonal	29
Event transom	17	O-ledger LW, horizontal-diagonal. steel	15
FOH beam	37	PA Tower PLUS U-lattice beam	40
FOH entrance	35	PA Tower PLUS U-ledger	40
FOH projecting roof	35	Plastic corner	17
FOH projecting roof	35	Plastic underlay for base plate	15
FOH rope holder set	37	Plate nut	31
FOH Tower	35	Plug	27
FOH Tower	35	Repair kit for Event deck corner	17
FOH Tower	35	Ridge connector	29
FOH Tower	35	Ridge cover sheet	29
FOH Tower	35	Ridge horizontal diagonal brace	29
FOH Tower	35	Ridge strut	29
FOH Tower	35	Ridge tube	29
FOH Tower	35	Roof support 0.14 x 0.14 m	31
FOH Tower	35	Rope fastener	37
FOH Tower	35	Rope fastener D10	41

Rope fastener, for roof stiffening	37
Rosette adapter	29
Rubber pad for base plate	15
Seat support with rosette	27
Securing pin d=2.8 mm	31
Securing pin d=2.8 mm	45
Securing pin d=4 mm	29
Securing pin d=4 mm	39
Securing pin d=4 mm	45
Set for tarpaulin pulling K9000	31
Side guardrail T12	25
Single step ladder	37
Special bolt	21
Special bolt M12 x 60 mm	15
Special bolt M12 x 60 mm	29
Spigot	15
Square half-coupler	17
Stairway guardrail 750, with child protection	19
Standard 0.92 m with adapter	27
Standard 1.18 m with adapter	27
Standard adaptor	41
Standard for modular stairway Plus	19
Standard lock	15
Standard LW	15
Stand element	25
Stand roof standard with FW system connector	29
Steel deck support	25
Steel lift-off preventer	25
Steel lift-off preventer T19	25
Steel truss 0.40 x 0.80 m	31
Stringer for modular stairway Plus	19
Super-Truss	45
Support for FW connection	29
Suspension lug for TwixBeam	41
Suspension point	39
Tarpaulin tensioner K9000	31
Tension clasp	17
Tensioning tube	31
Tip-up seat, black	27
Top Part Maxi-Truss	41
Tower Truss	45
Transom support	17
Truss-Transom	21
Tube with 4 wedge heads	25
U-ledger reinforced LW T14	15
Universal U-Lift-off preventer	19
U-Stairway stringer 750 with half-coupler	19
U-steel deck LW, 0.32 m wide	17
Video wall diagonal brace, square tube, long	39
Video wall diagonal brace, square tube, short	39
Video wall gable tarpaulin	39
Video Wall keder holder	39
Video wall ledger, square tube	39
Video wall PA projecting arm	39
Video wall pin	39
Video wall roof tarpaulin	39
Video wall standard, 0.50 m	39
Video wall U-ledger	39
X-Event deck T16	17

Customer proximity is a key success factor for Layher – also in a geographical sense. That is why we are present with ideas and solutions wherever our customers need us.

