Layher

More Possibilities. The Scaffolding System.

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
2026/2027

LAYHER EVENT SYSTEMS

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MYLAYHER

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Register: **myLayher.layher.com**

Digital product catalogue

- Clear and intuitively arranged product structure down to the detailed range
- Product details such as prices (list prices and your individual purchase prices), live availability check, associated technical documentation and further specifications and product details

Online ordering option

- Selection of desired delivery date and delivery location or collection from the service centre
- Storage of various shopping baskets for project-related orders

Further options

- View and download technical documents such as assembly and usage instructions, technical brochures or building authority approvals
- Display of stored conditions and order history (delivery notes, invoices and open orders)

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.

01 THE COMPANY

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 80 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 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 Gueglingen-Eibensbach

Plant 2 in Gueglingen

Plant 3 in Cleebronn

Discover the world of Layher in its company film.

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.

02 SOFT WARE

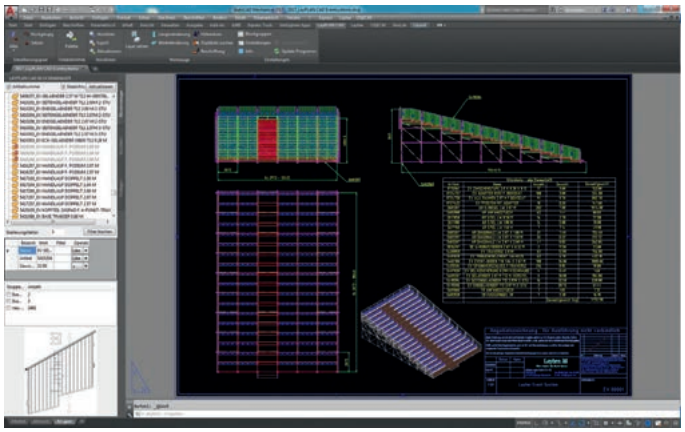
Time and material are crucial factors in scaffolding construction. To make the most efficient use of both, the Layher range includes the practical LayPLAN scaffolding planning software.

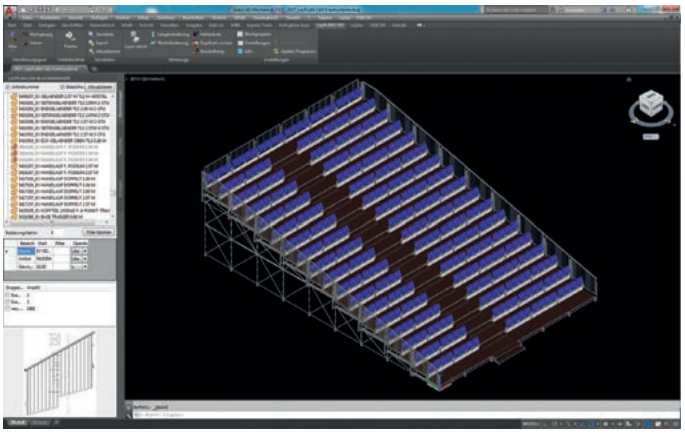
For more complex structures, LayPLAN CAD is available. This is a plug-in for Autodesk AutoCAD. It enables 3-dimensional planning of scaffolding structures of all types.

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".





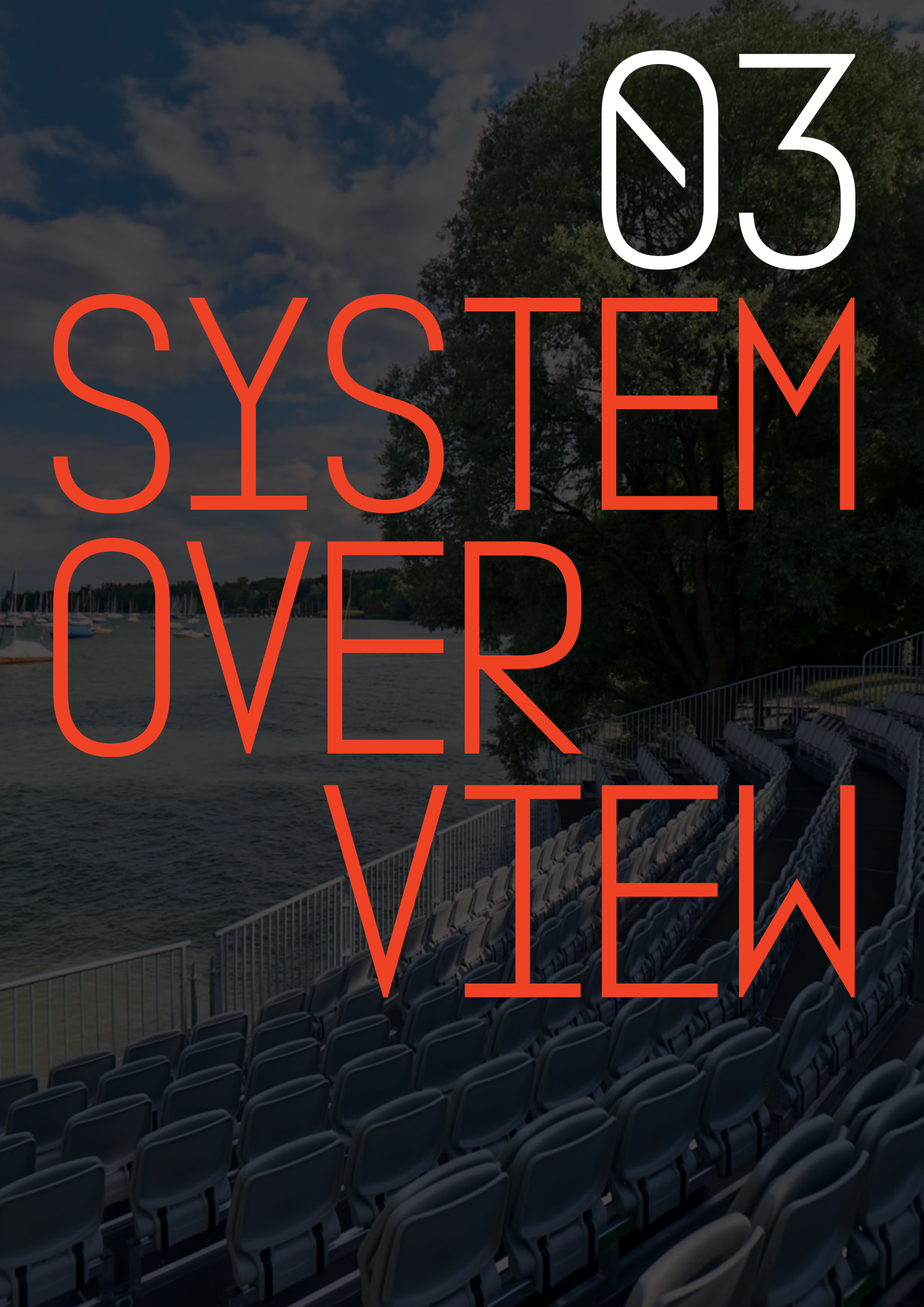
LayPLAN SUITE

LayPLAN CAD

LayPLAN MATERIALMANAGER

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

WS = wrench size LC = load class PU = packaging unit IND = products can be customized = new in the catalogue = available ex works
= delivery time on request = only available in this packaging unit = the approval process is not yet completed

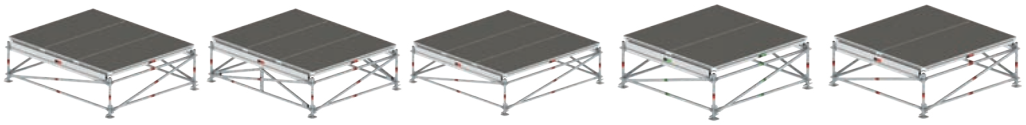


03 SYSTEM OVERVIEW

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.



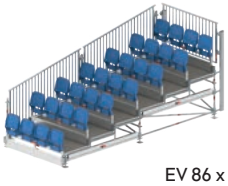
EV 86 | EV 86+ | EV 86Q | EV 100 | EV 104

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 / m²	7.5 kN / m²	5.0 kN / m²	7.5 kN / m²	7.5 kN / m²

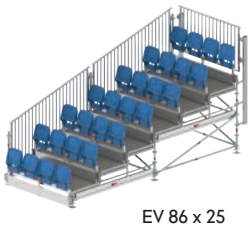
Stand seats

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.

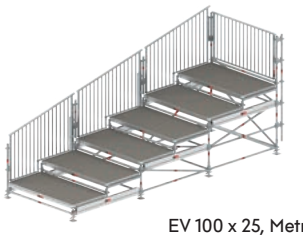


EV 86 x 16



EV 86 x 25

EV 86 x 33

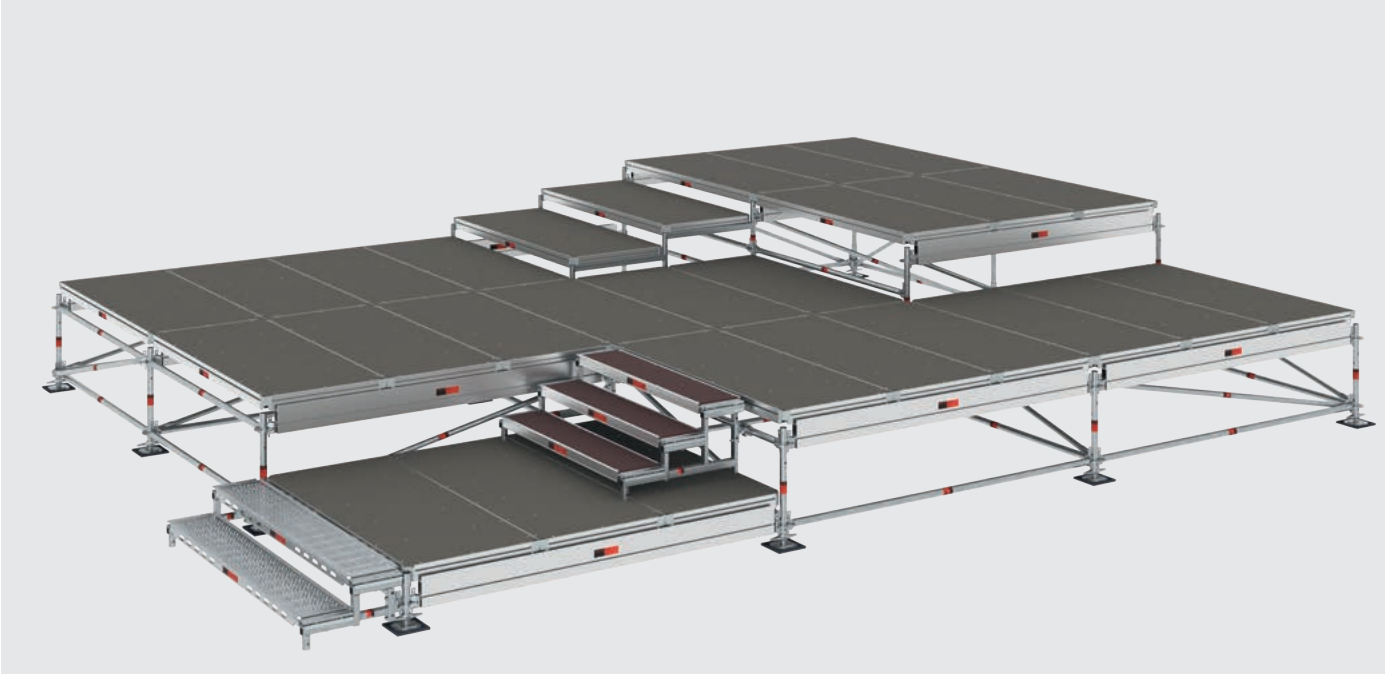


EV 100 x 25, Metric
EV 104 x 25

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.

04 STAGES AND PODIUMS



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, standard 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, corrosion-proof thanks to hot-dip galvanisation, space-saving storage.

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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:

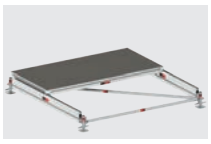
- straight-welded wedge heads for a square ground plan
- obliquely welded wedge heads for a rectangular ground plan

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.



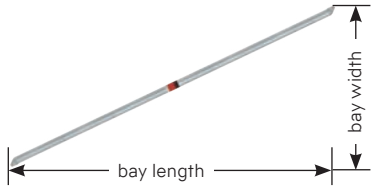
The lowest possible podium height is about 0.35 m, for which **base plates 20** 14 and **base collars short** 13a are used.

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

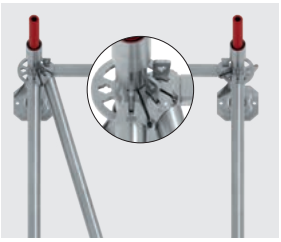
Further components can be found in the Allround Scaffolding catalogue.

For a rectangular ground plan, with obliquely welded wedge heads

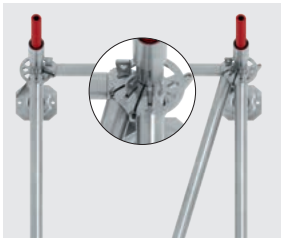
For a square ground plan, with straight-welded wedge heads



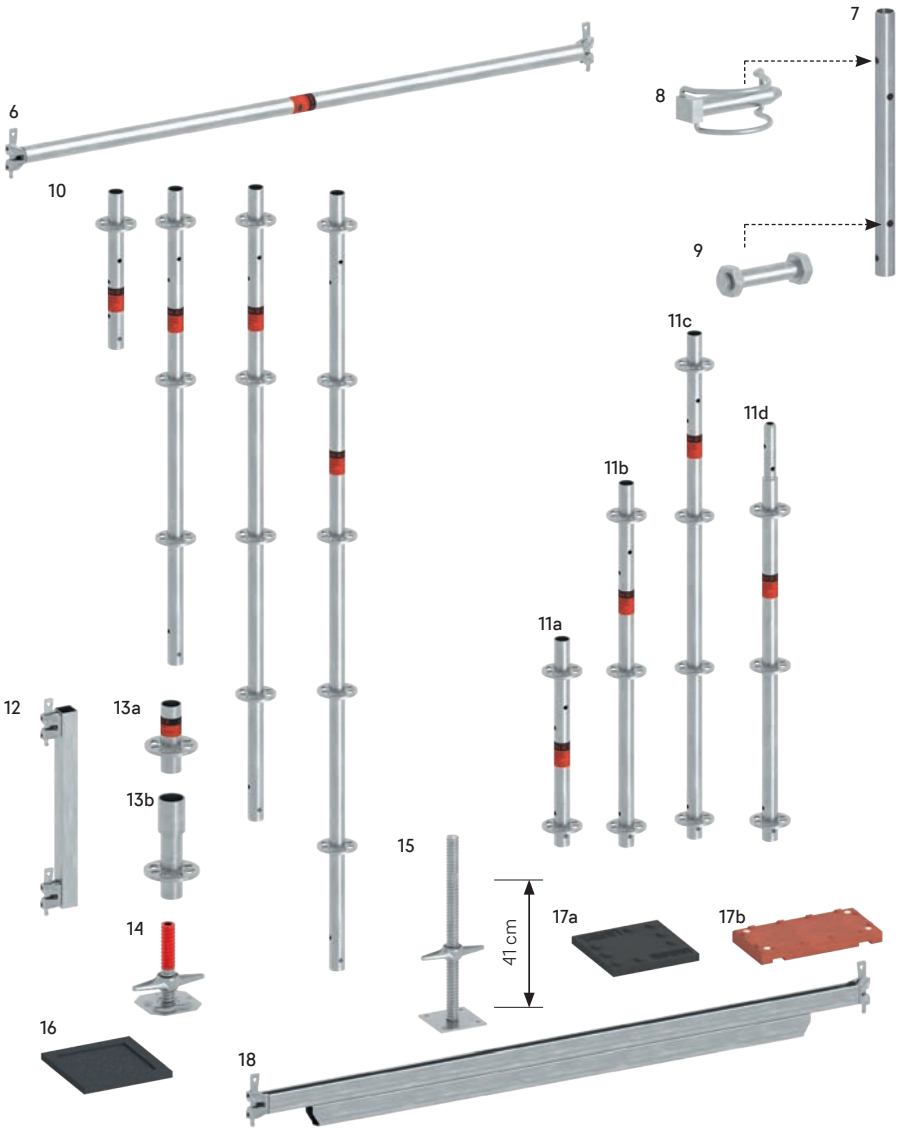
Distinction between right and left horinzontal diagonal brace



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.



Pos.		Description	WS [mm]	Dimensions L / H × 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** steel, for standards Ref. No. 2619.xxx and 2604.xxx		0.52	1.6	350	2605.000
8		**Hinged pin** d=12 mm, with pan head			1.6	20	4905.668
9		**Special bolt M12 x 60 mm** with nut	19		4.0	50	4905.062
10		**Standard LW** steel without spigot, for scaffolding layer		0.50	2.2	300	2619.050
				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	6.0	28	2617.116
12		**Standard lock** 0.50 m		0.58	4.0	100	2603.000
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** solid, without lock (max. spindle travel 41 cm)		0.58	6.7	200	5602.060
16		**Rubber pad for base plate**		0.20 × 0.20	0.4	10	4000.500
17		**Plastic underlay for base plate**					
		schwarz, with burls for easy stacking		0.26 × 0.26 × 0.02	2.4	408	4000.702
	b	brown, to distribute loads, with burls for easy stacking		0.40 × 0.20 × 0.04	4.2	200	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

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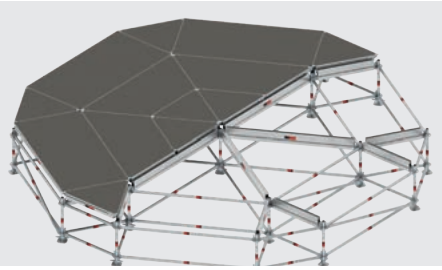
The plywood board of the **Event decks T16** 1 is riveted onto an aluminium frame and is also supported by cross rungs. All four sides of the Event decks can be fitted into the Event crosspiece. The removable plastic corners allow the vertical tubes to be passed through. The **X-Event decks T16** 2 have plywood boards with rectangular corners. The detachable plastic corners are not removable. Guardrails 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. Polygonal podiums can be assembled using the triangular and trapezoidal **event decks T16** 3.



The 18 cm high **Event transom** 4 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** 5.

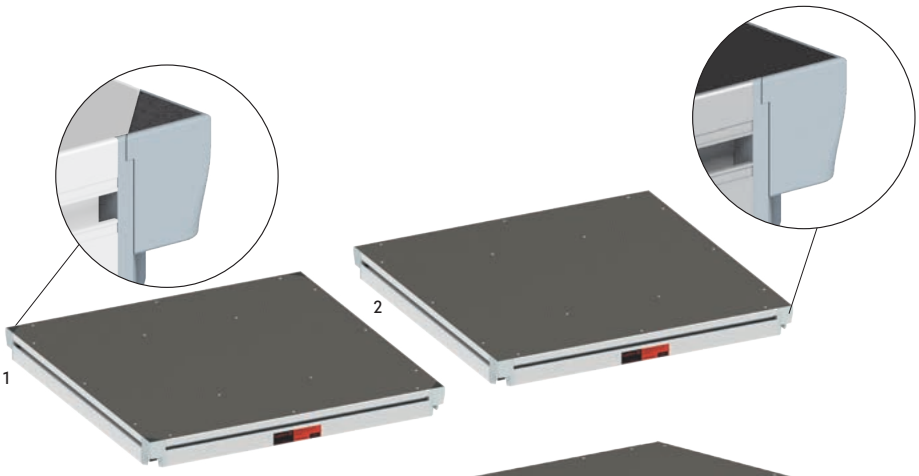
The **Fix adapter** 7/8 is for shift lock of the Event decks.

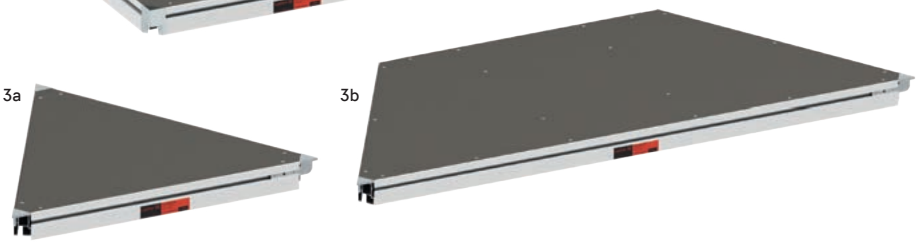
The **Tension clasp** 6 of spring steel connects the Event deck to the Event transom and acts as a lock against lift-off. Optionally, the Event decks can be connected to one another using the **clamp** 9/10 made of plastic. The Event decks are supplied with plastic corners fitted. The matching **plastic corners** 11 are available in packaging units of 50 as spare parts.

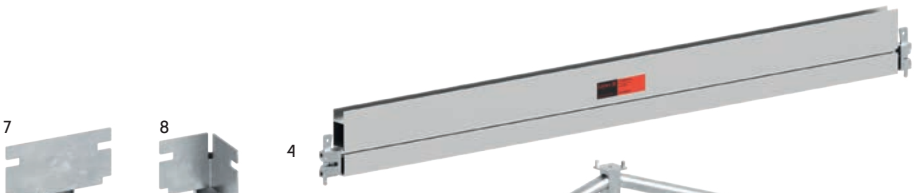
The design variant of the existing Event decks should be taken into account when ordering toggle latches, clamps and plastic corners.

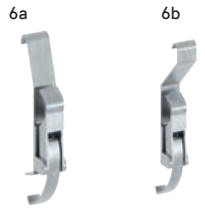
- Year built after 2016: Event deck T16
- 2 Year built 2007 – 2016: Event deck T10 and T7
- 2 Year built 2004 – 2007: Event deck T4
- 2 Year built 2001 – 2004: Event deck T1

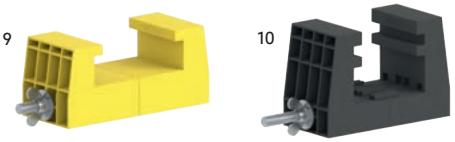
If a plastic corner of the **event floor T16** 1 is damaged, repair kit 10 is used. The **repair kit** 12 comes with detailed assembly instructions. The **plastic corners** 11a is not part of the **repair kit** 12.

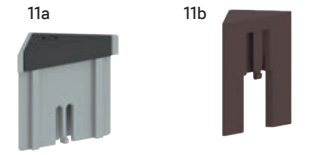


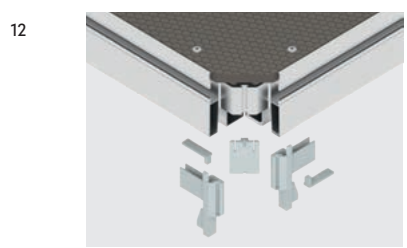












Pos.		Description		LC	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**Event deck T16**						
		aluminium frame, coated plywood, detachable plastic corners, for EV 86			0.86 × 1.04	16.9	10	5402.231
					0.86 × 1.57	23.5	10	5402.232
					0.86 × 2.07	30.2	10	5402.233
		aluminium frame, 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 deck T16 60 degrees**						
		triangular, aluminium frame, coated plywood, for EV 100			1.00 × 1.00	12.0	10	5402.251
		triangular, aluminium frame, coated plywood, for EV 104			1.04 × 1.04	12.2	10	5402.253
		trapezoidal, aluminium frame, coated plywood, for EV 100			1.00 × 2.00	25.8	10	5402.252
		trapezoidal, aluminium frame, coated plywood, for EV 104			1.04 × 2.07	26.2	10	5402.254
4		**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
5		**Transom support** increases permissible load on the EV 86+ system			2.57 × 0.50	21.2	40	5400.100
6		**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
7		**Event Fix Adapter**				0.7	250	5403.511
8		**Event Fix Adapter corner**				0.8	250	5403.512
9		**Clamp yellow** for Event deck T16				0.3	50	5403.518
10		**Clamp black** for Event deck T10, T7				0.4	40	5403.506
11		**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
12		**Repair kit for Event deck corner** 5 parts				2.5	40	6494.105
13		**U-steel deck LW, 0.32 m wide** steel, hot-dip galvanised, perforated, non-slip working surface	IND	6	1.00 × 0.32	7.2	60	3883.100
			IND	6	1.04 × 0.32	7.4	60	3883.104
			IND	6	2.00 × 0.32	12.9	60	3883.200
			IND	6	2.07 × 0.32	13.4	60	3883.207

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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.

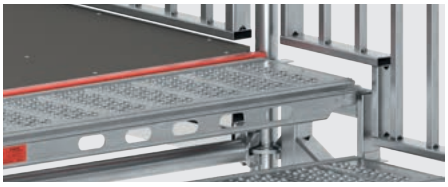
Alternatively, standards going all the way through can be installed in conjunction with additional parts for strengthening.
Variant A:
Round tube with four welded top pieces (Ref. No. 5405.075), see page 24.
Variant B:
Standard 2 m (Ref. No. 2619.200) fastened with four twin wedge head couplers, (Ref. No. 2629.000).

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

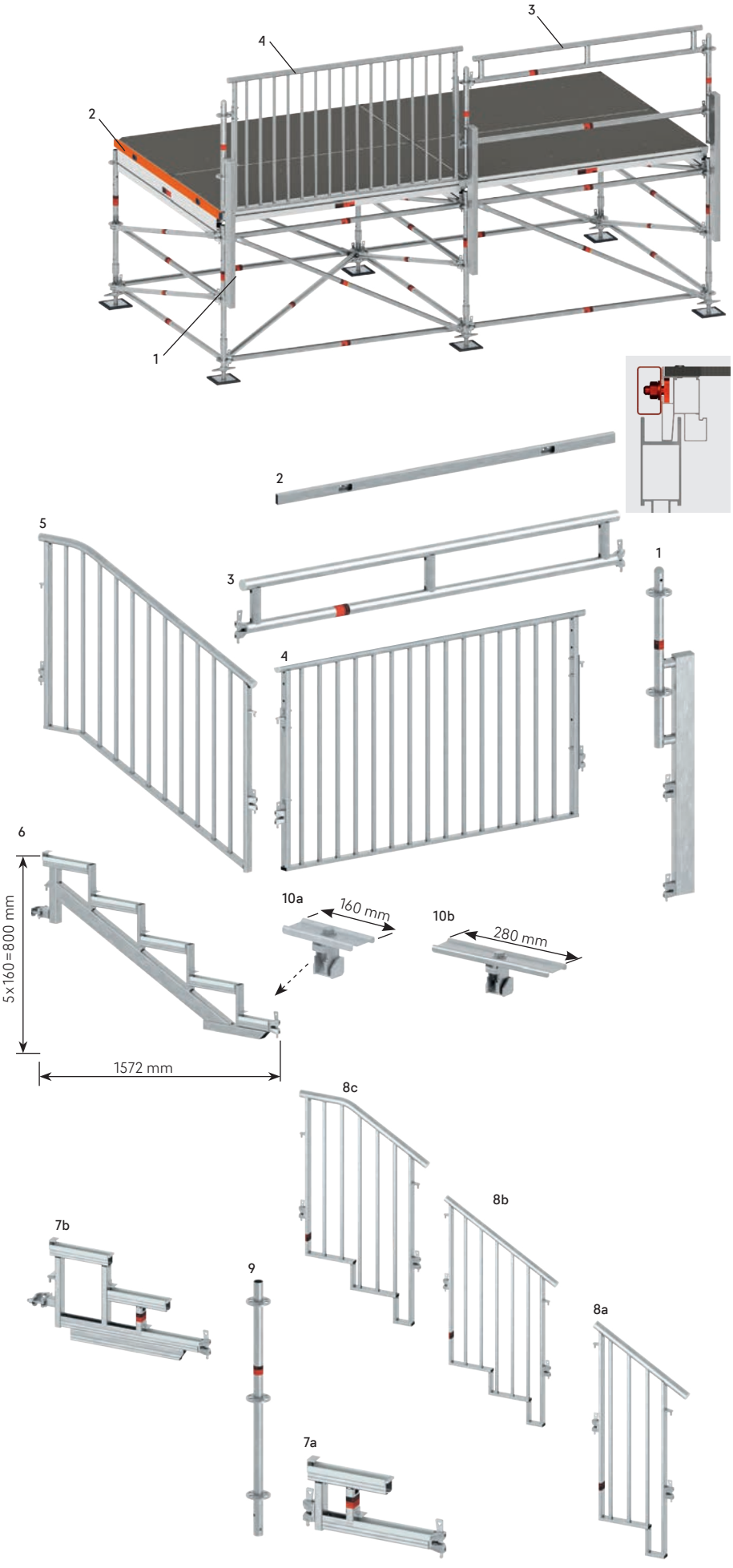
The 5-step **U-stairway stringer 750** 6 forms a stair for a podium height of 0.85 m. The top step is flush with the podium surface.

- Riser s = 16 cm
- 2 Tread a = 31.8 cm
- 2 Undercut u = 0.2 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 0.32 m and one steel deck 0.19 m 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. 0.32 m steel decks are installed as steps in the selected length.



Pos.		Description	WS [mm]	Dimensions L / H × 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	14.5	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 × 1.10	22.0	25	2616.106
6		**U-Stairway stringer 750 with half-coupler** with 5 steps		1.57 × 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	3-step top		0.86	13.4	25	5407.075
9		**Standard for modular stairway Plus** w/o 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

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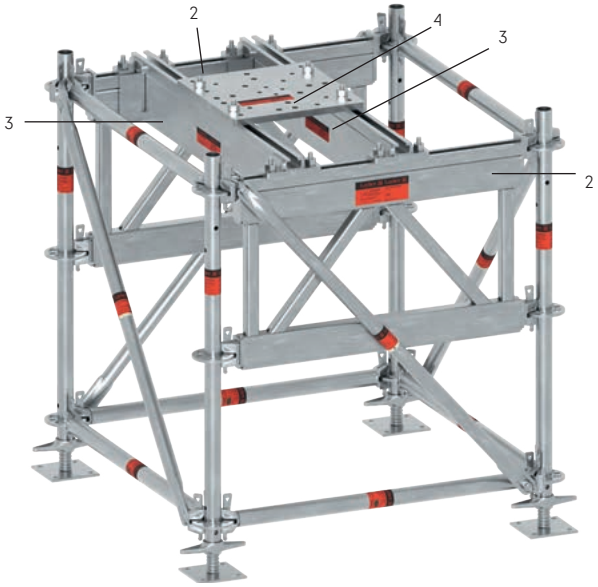
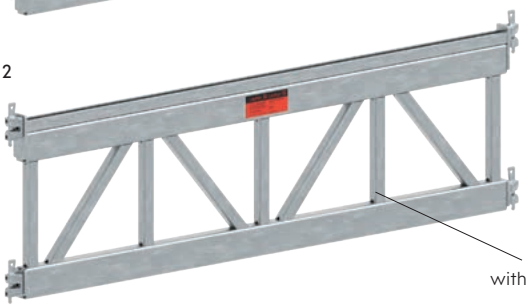
The **Universal Base** connects your roof structure efficiently to a Layher podium. The position of the roof supports can be set infinitely inside the Universal Base.

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.

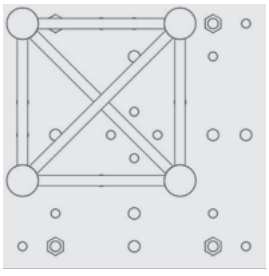


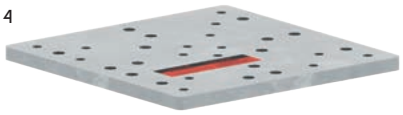


with vertical reinforcement from 2.0 m length

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.

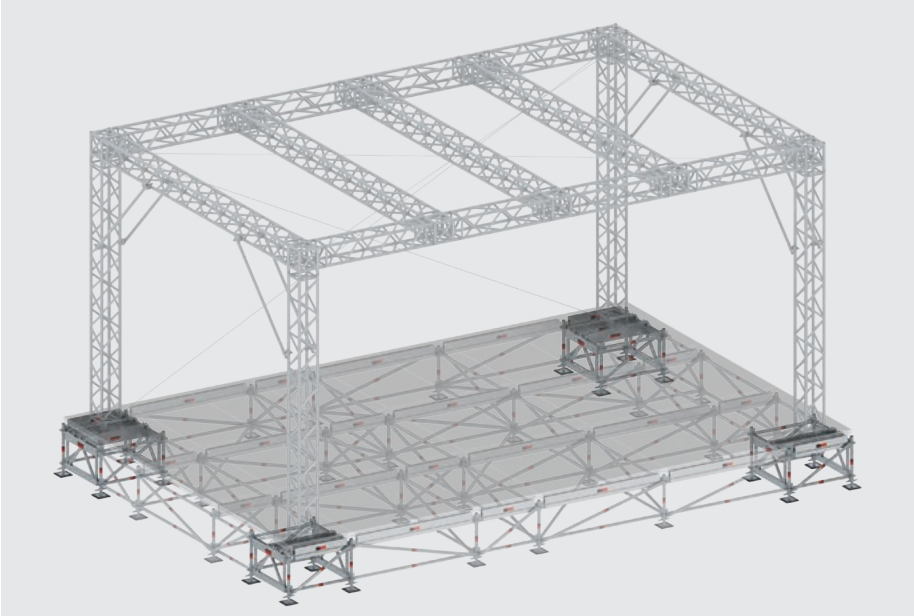
Example B:
Base plate 4 in the corner, distribution of the load onto eight rosettes, thanks to use of the **base lattice beam** 2.

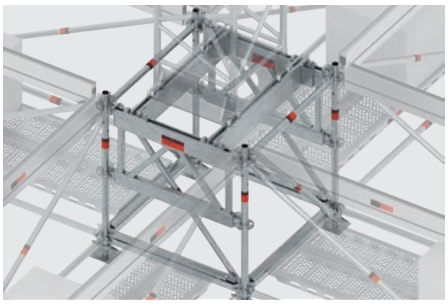




Hole pattern of the base plate

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





Example of use:
Universal bases in the corners of the podium are used to hold the roof supports or to hold the truss beam in the PA Tower MAXI.

Pos.	Description	Dimensions L / H × 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 × 0.50	38.2	10	5432.086
	steel, hot-dip galvanized, for EV 100	1.00 × 0.50	38.5	10	5432.100
		2.00 × 0.50	76.0	10	5432.200
	steel, hot-dip galvanized, for EV 104	1.04 × 0.50	39.1	10	5432.104
	steel, hot-dip galvanized, for EV 86 and EV 104	2.07 × 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** steel, hot-dip galvanized, for H30V and H40V support, with 31 drillings	0.41 × 0.41	25.0	10	5434.003
5	**Special bolt** with nut HZS 53 x 34	M16 × 60	2.4	12	5434.013

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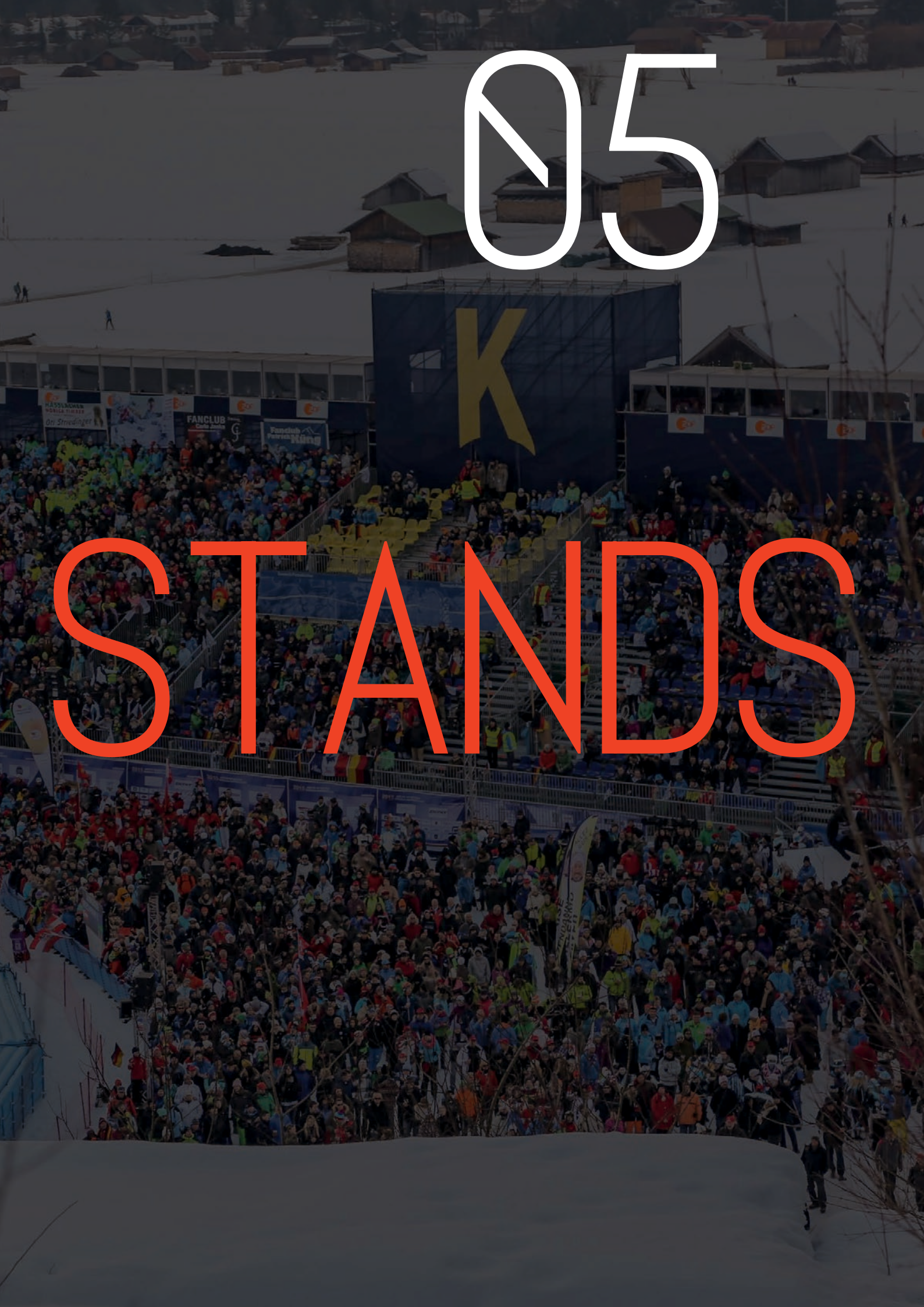
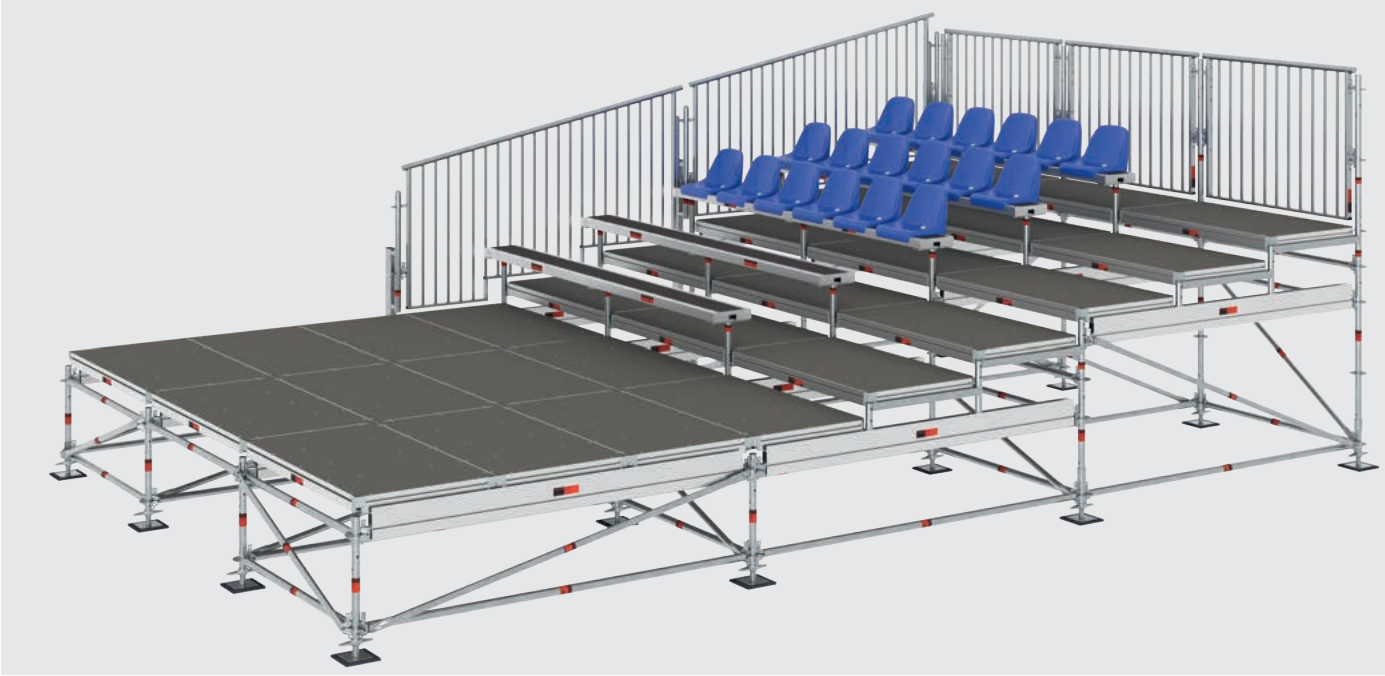


05

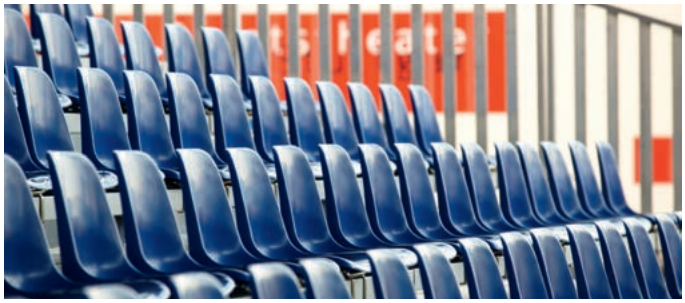
STANDS



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.

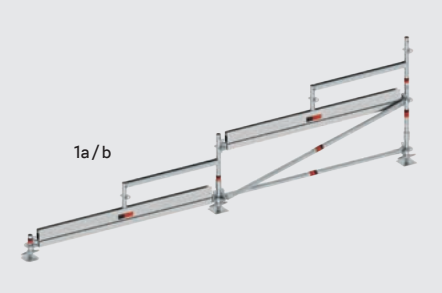
The whole Layher Event system bases on the proven Allround Scaffolding System. Thus makes investions even more economical, because the material can be used for lots of different kinds of use.

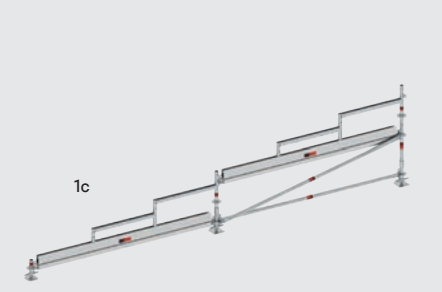


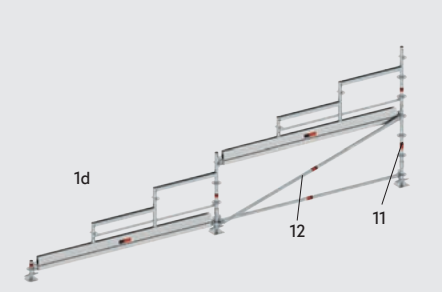
The Benefits for You:

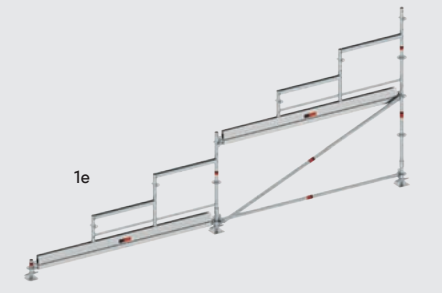
- Standard solutions: Series material, economical complete solutions from one source, rapid availability, proven safety.
- Substructure Allround: High load-bearing capacity, rapid and flexible erection and dismantling, choice of accessories.
- Handy components: Easy to transport and store, palletizable.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

Basic components





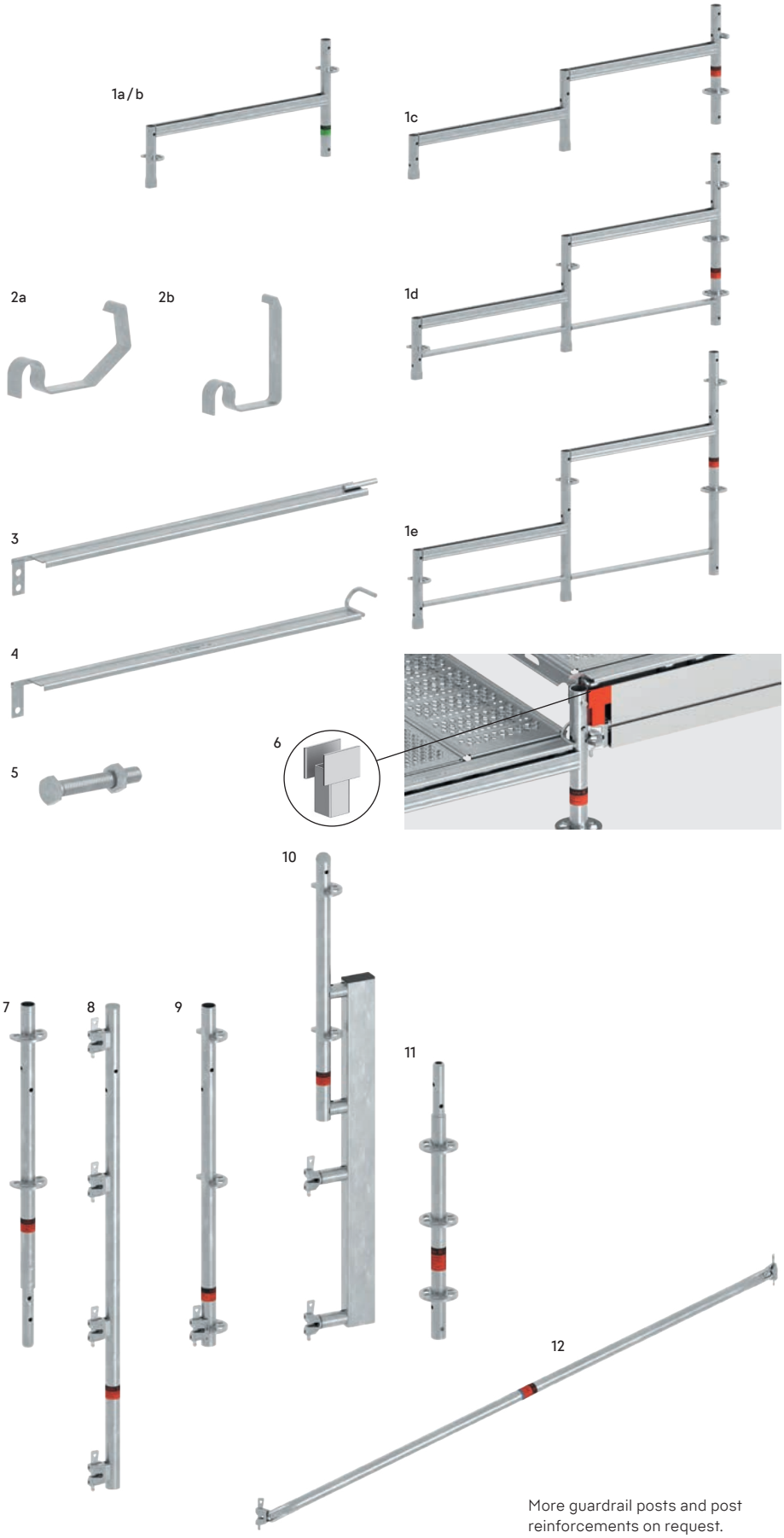




When Event decks are used, the **lock for stand element** 2 is required to prevent the Event decks from lifting off and tilting.

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

13/14

15

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.

Pos.		Description	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**Stand element**				
	a	1-step, inclination 0.25 m, for EV 100	1.00 × 0.25	6.6	40	5401.010
	b	1-step, inclination 0.25 m, for EV 104	1.04 × 0.25	6.7	40	5401.020
	c	2-step, inclination 0.16 m, for EV 86 and EV 86Q	0.86 × 0.16	10.6	30	5401.216
	d	2-step, inclination 0.25 m, for EV 86 and EV 86Q	0.86 × 0.25	16.6	20	5401.225
	e	2-step, inclination 0.33 m, for EV 86 and EV 86Q	0.86 × 0.33	18.0	20	5401.233
2		**Lift-off preventer 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	250	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		**Standard LW** steel, 25 cm rosette spacing, with integrated spigot with cross hole	0.75	4.6	28	2617.075
12		**Diagonal brace LW, steel, 0.75 m bay height**				
		2.57 m bay length		8.5	50	2686.257
		2.07 m bay length		7.3	50	2686.207
13		**Side guardrail T12**				
		2-step, inclination 0.25 m, for EV 100	2.00 × 1.15	32.2	20	5410.201
		2-step, inclination 0.25 m, for EV 104	2.07 × 1.15	32.5	25	5410.204
14		**Side guardrail T23 for tip-up seat adapter**				
		2-step, 0.25 m inclination	2.00 × 1.10	32.1	25	5410.208
			2.07 × 1.10	32.5	25	5410.209
		3-step, 0.16 m inclination	2.57 × 1.10	38.6	25	5410.304
		3-step, 0.25 m inclination	2.57 × 1.10	39.6	25	5410.305
		3-step, 0.33 m inclination	2.57 × 1.10	40.7	25	5410.306
15		**Corner guardrail T12**	0.28 × 1.10	11.2	40	5410.303

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= delivery time on request ▦ = only available in this packaging unit = the approval process is not yet completed

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 0.30 m 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:

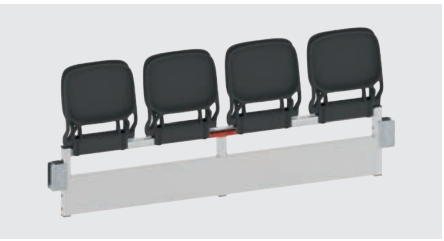
- 2 bolts with square neck
- 2 washers
- 2 nuts
- 1 plug, left
- 1 plug, right
- Number plate without lettering, white

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 0.92 m with adapter** 17 are used. For the bottom row of seats, **adapters with rosette** 16 are used, and on the side guardrail the **standard 1.18 m with adapter** 18.

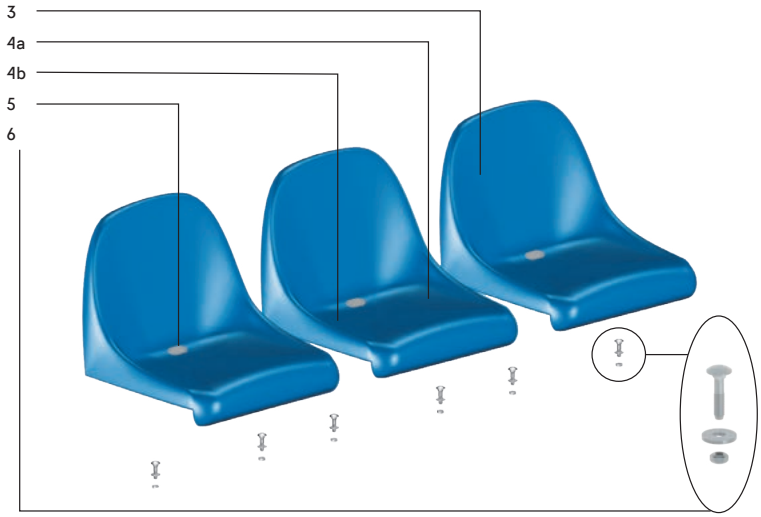
The **aluminium frames,** the **adapters and standards** for tip-up seats 14–18 match all three risers: 0.16 m, 0.25 m and 0.33 m. Tip-up seats are available in the following colours:

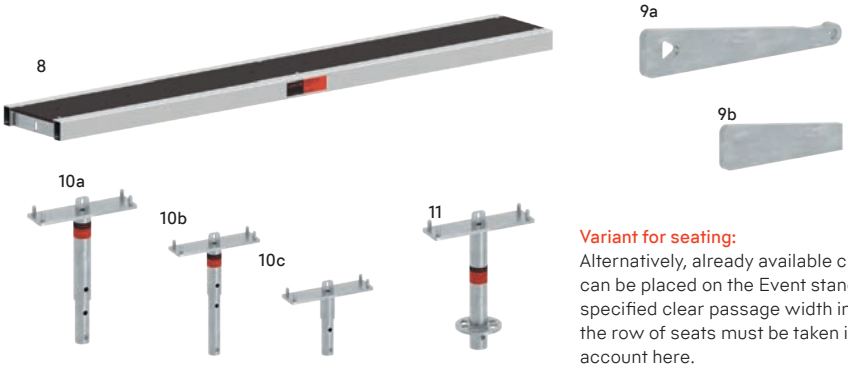
Royal Blue RAL 5007 | Indigo Blue RAL 5003 | Scarlet Red RAL 3020 | Emerald Green RAL 6001 | Golden Yellow RAL 1033 | Christal White RAL 9003 | Arctic Grey RAL 7042



Specific parts for bench seat variant

Other intermediate steps for each stand system upon request.

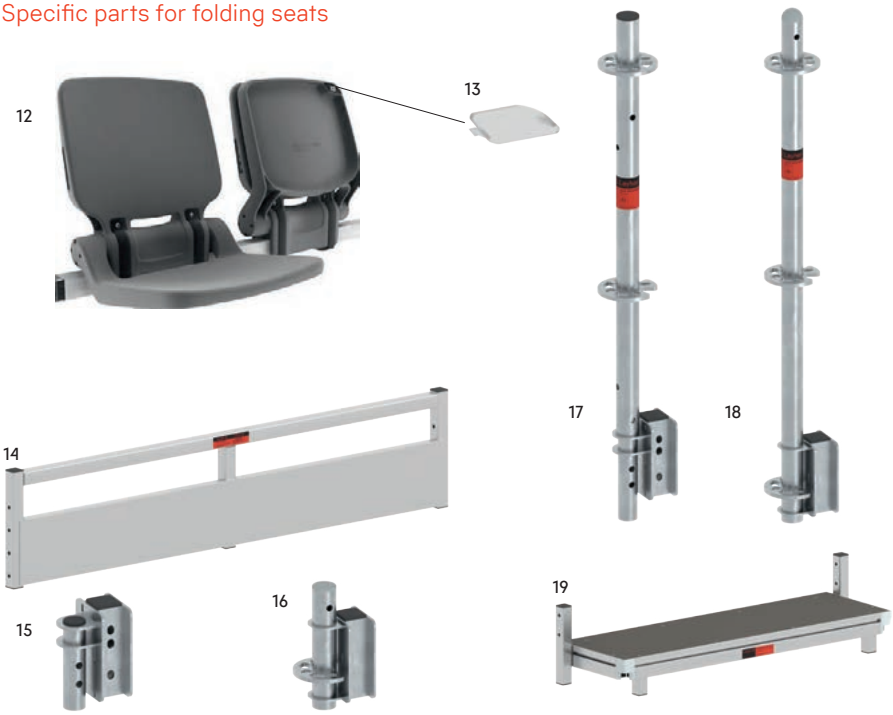




Variant for seating:

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 × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**Bench**				
		anodised aluminium, coated plywood, for EV 86 and EV 86Q	1.57 × 0.30	7.2	60	5623.157
		anodised aluminium, coated plywood, for EV 100	2.00 × 0.30	9.4	60	5623.200
		anodised aluminium, coated plywood, for EV 86 and EV 104	2.07 × 0.30	9.5	60	5623.207
		anodised aluminium, coated plywood, for EV 86Q	2.57 × 0.30	11.7	60	5623.257
2		**Bench end** anodised aluminium, coated plywood	0.06 × 0.30	0.5	400	5624.000
3		**Novanta bucket seat** blue UV-protected and flame-retardant	0.40 × 0.43	1.7	120	5408.021
4		**Plug**				
	a	left, blue		0.2	20	5408.029
	b	right, blue		0.2	20	5408.030
5		**Number plate** without lettering, white		0.2	20	5408.028
6		**Assembly-Set for 20 bucket seats** existing of 40 bolts M8 x 40 mm, 40 nuts and 40 washers		1.2	40	5408.008
7		**Intermediate step** 0.30 x 0.12 x L, with 2 half couplers, for EV 100 and EV 104	L = 1.00	8.4	12	5402.110
			L = 1.25	10.5	24	5402.130
8		**Bench, with holes**				
		for Novanta bucket seats, for EV 86 and EV 86Q	1.57 × 0.30	7.2	60	5408.157
		for Novanta bucket seats, for EV 100	2.00 × 0.30	9.4	60	5408.200
		for Novanta bucket seats, for EV 86 and EV 104	2.07 × 0.30	9.5	60	5408.207
		for Novanta bucket seats, for EV 86Q	2.57 × 0.30	11.7	60	5408.257
9		**Allround wedge**				
	a	steel, for securing bench	0.14	10.0	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	3.1	100	5406.020
11		**Seat support with rosette** for lowest stand row	0.34	4.0	300	5619.000
12		**Tip-up seat, black** UV-protected and flame-retardant	0.48 × 0.42	3.2	60	5515.001
13		**Cover clip** for tip-up seat		0.1	20	5515.022
14		**Aluminium frame for tip-up seats** suitable for all inclinations	1.50 × 0.43	7.4	50	5517.150
			1.57 × 0.43	7.6	50	5517.157
			2.00 × 0.43	9.4	40	5517.200
			2.07 × 0.43	9.7	30	5517.207
			2.50 × 0.43	11.6	30	5517.250
			2.57 × 0.43	11.8	30	5517.257
15		**Adapter with spigot**	0.17	2.8	150	5521.001
16		**Adapter with rosette** for lowest stand row	0.26	3.5	150	5521.002
17		**Standard 0.92 m with adapter** for guardrail mounting	0.92	7.8	50	5521.003
18		**Standard 1.18 m with adapter** for guardrail mounting at the lowest stand row	1.18	7.9	50	5521.004
19		**Intermediate step for stands with tip-up seats** Step depth 0.43 m	1.57 × 0.12	13.2	10	5402.132
			1.57 × 0.16	13.7	10	5402.134
			2.07 × 0.12	16.8	10	5402.136
			2.07 × 0.16	17.3	10	5402.138

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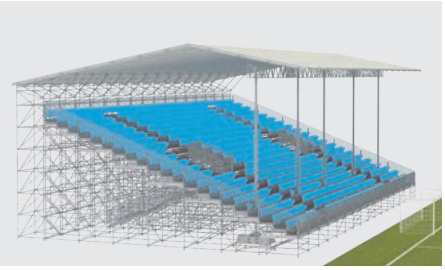
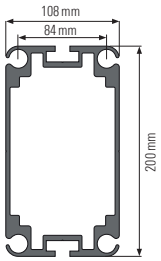
Stand roof



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

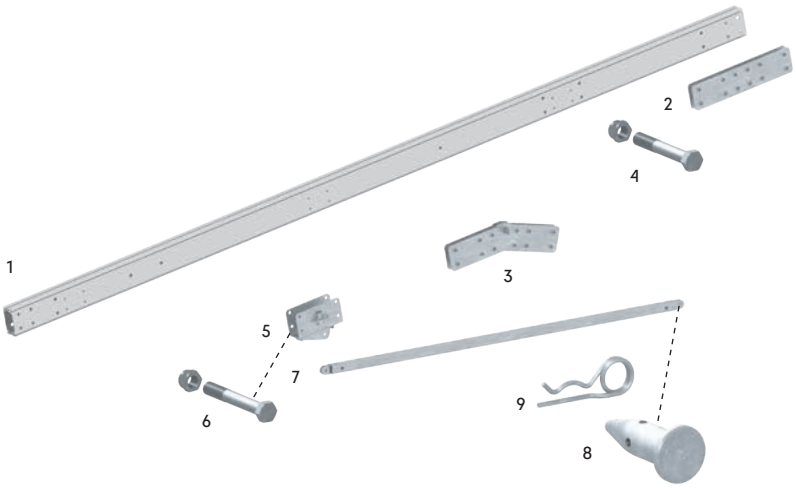


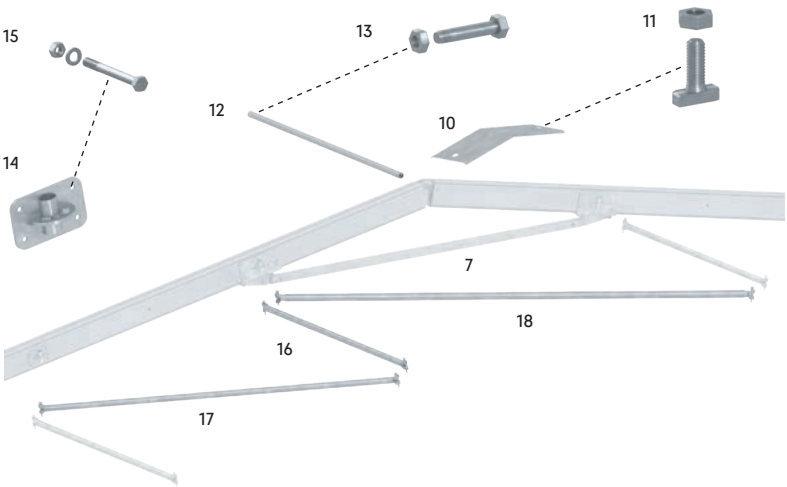
The basis for the roof trusses is the **Keder Rail 9000** 1 with additional holes. The spacing of the keder grooves is 3 cm wider than with other Layher keder rails, which must be taken into account when ordering the roof tarpaulins

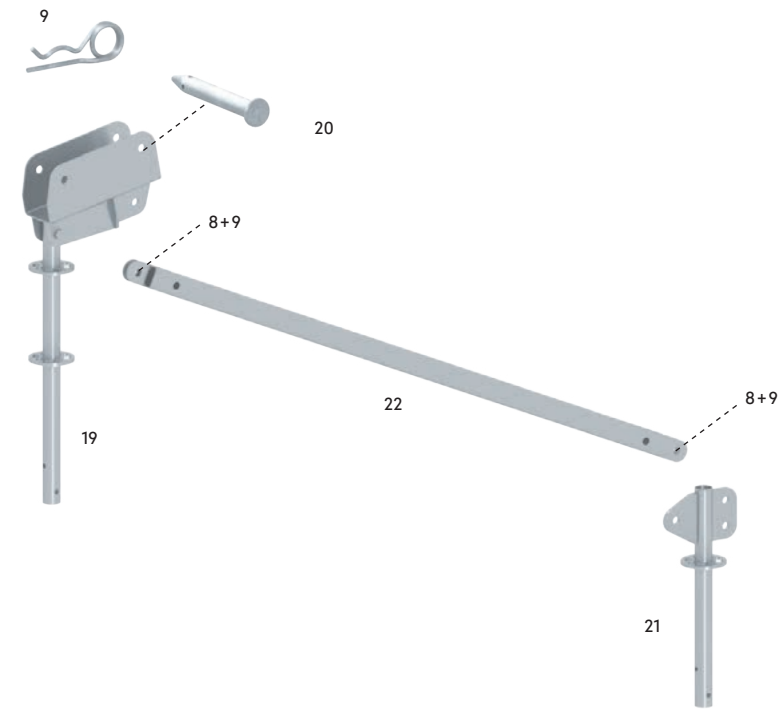
The keder rails are extended with the **keder rail connector** 2, and the **ridge connector** 3 is used to form the roof ridge with 2 x 11°. For the assemblies mounted on the ground, the elements are fastened with **hexagonal bolts** 4 / 6. The pre-assembled sections are connected at height with **bolts** 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 × 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			12.5	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			12.5	25	5411.094
7	**Ridge strut**		2.85	20.9	20	5411.012
8	**Bolt 20 x 66 mm**			2.0	10	2646.221
9	**Securing pin d=4 mm**			1.5	50	5905.002
10	**Ridge cover sheet**		0.25 × 0.105	0.2	500	5411.013
11	**Groove bolt for keder rail M12 x 40** M12 x 40 mm, 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			10.0	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**			3.0	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

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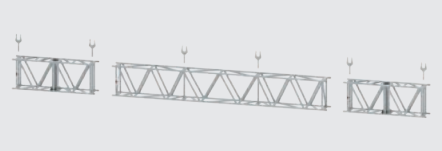


At the front of the grandstand, the roof trusses are supported by a 4-point beam made of **steel truss** components 2. The roof trusses are connected every 2.07 m. The 4-point beam transfers the roof loads to the **roof supports** 5. In the standard version, the roof props are positioned at a distance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

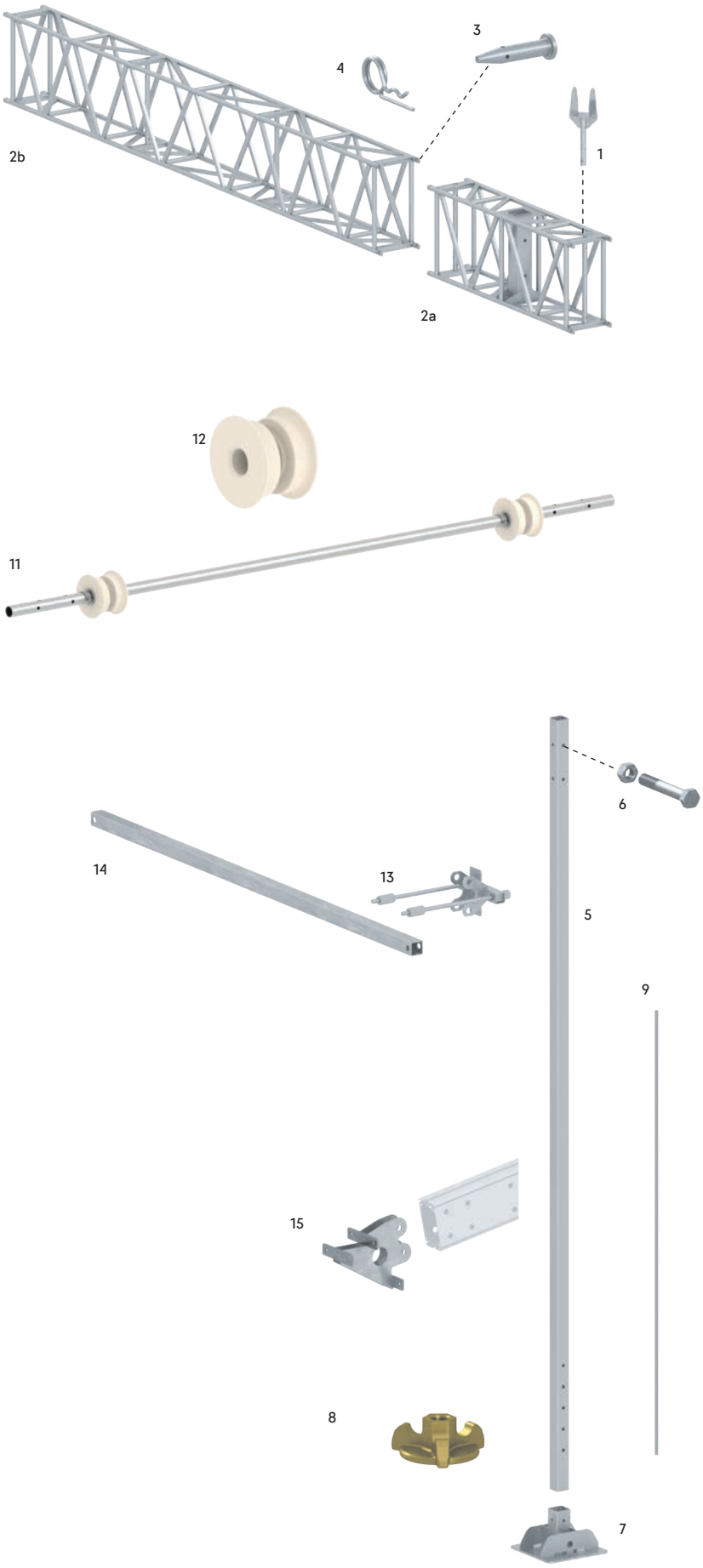
The **roof supports** 5 are supported on specially designed **ballast elements** 10. These system ballast elements can be placed directly on the Allround scaffolding to ensure positioning and alignment. For the tension-resistant connection of the prop to the ballast, **bridging system diagonal rods** 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.

10

Pos.		Description	Dimensions L / H × 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**	2.23	170.3	2	5411.060
	b		6.00	285.8	2	5411.066
3		**Bolt d=15.8 x 80 mm**		0.8	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		7.5	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 × 1.20 × 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 × 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 × 0.28	5.1	50	5411.120

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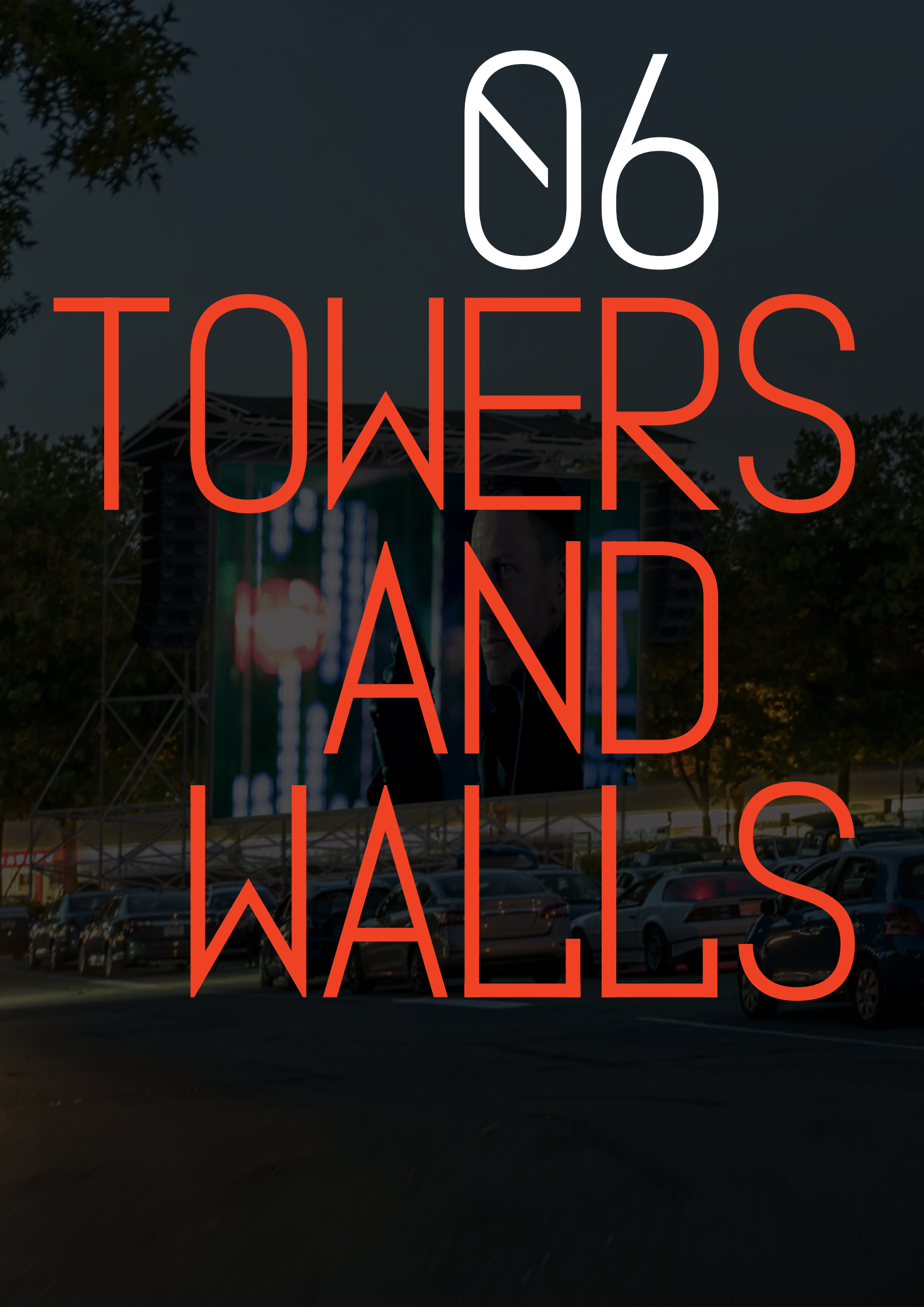


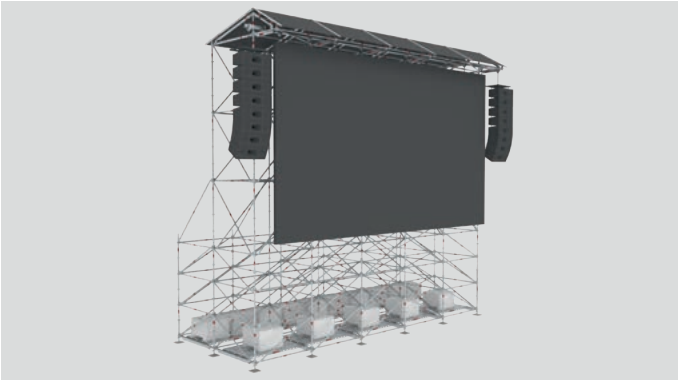
06 TOWERS AND WALLS

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).

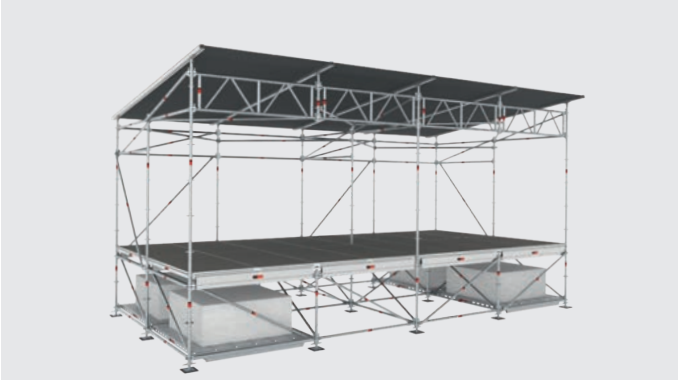
Video wall system



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:

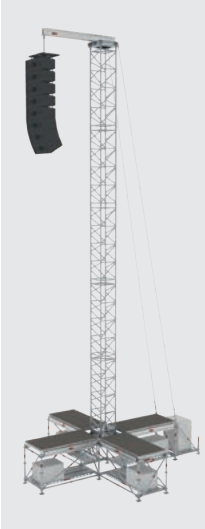
- No need to invest in individual structural analyses for Side Stages.
- Safety under the law from available verification of stability.
- Added value of existing material – new application options without additional investment.
- Well thought-out system solution using rapidly available standard Allround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

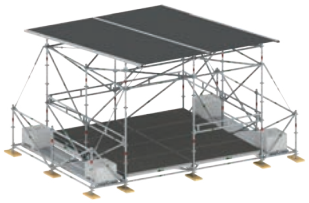


The Benefits for You:

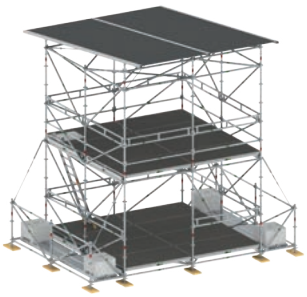
- Fast assembly and disassembly thanks to a small number of Layher system components and the use of proven connection technique.
- Modular design, based on the Allround construction kit.
- Planning and scheduling certainty thanks to availability of a structural report.
- Investment security thanks to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

FOH Tower

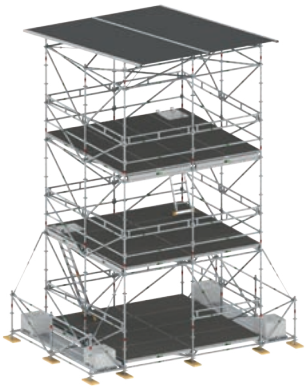
1a/b



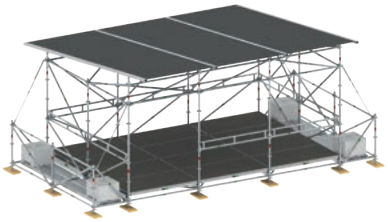
2a/b



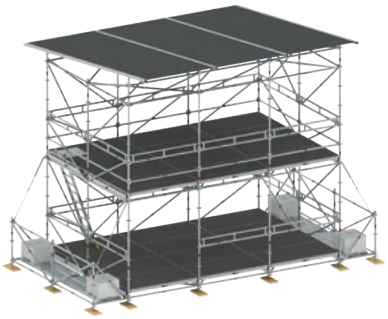
3a/b



4a/b



5a/b



6a/b

The Layher FOH Towers are of modular design in a kit system. To add a further storey to your FOH tower, it's only neccessary 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.

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.

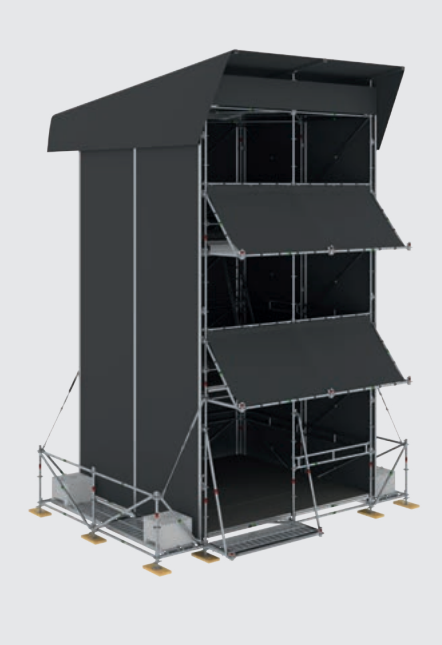
The wall coverings (rear wall and side walls) are available as a separate kit for all FOH Towers variants. These consist of: keder rail holders, keder rails 2000, keder tarpaulins and gable tarpaulins.

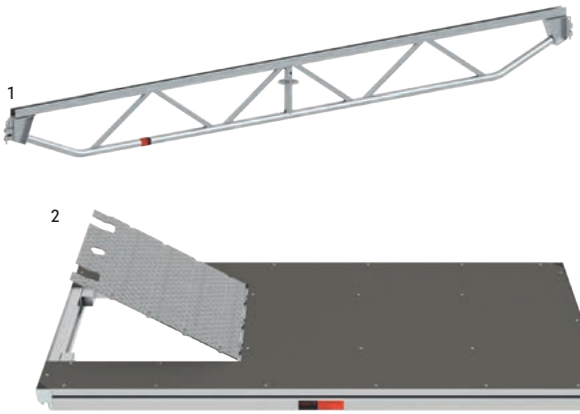
7

8

9

Pos.	Description	Dimensions L / H × 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





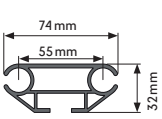
The proven **aluminium keder rail 2000** 7. Known for its low weight. Ideal for lightweight applications, particularly for wall coverings and scaffolding covers.

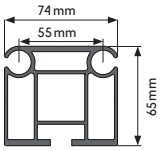
The **aluminium keder rail 3000** 8 – very strong yet light. It is perfectly suited for medium spans, as found for example in FOH and directing towers or in technical equipment and storage areas. The keder rail 3000 can also be used as a wall keder rail over large spans.

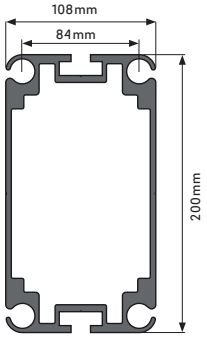
The **aluminium keder rail 9000** 9 is suitable as a heavy-duty marquee section for large and very large spans. Roofs and side coverings for large open-air stages can be constructed with this section, in addition to massive roofs for stands.

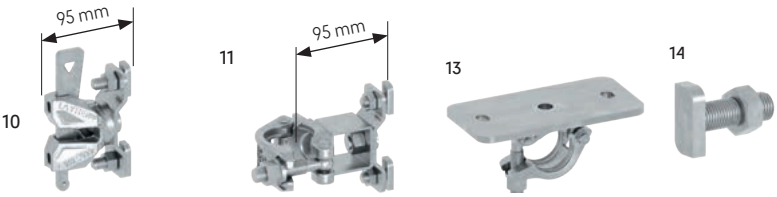
The **aluminium keder rails** 7–9 are suitable for keder tarpaulins with a keder of 13 mm.

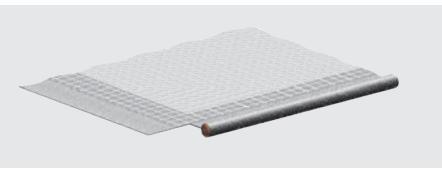
When using the **aluminium keder rails** 7 / 8, standard tarpaulins from the protective system range can be used. When using the **keder rail** 9, the tarpaulins must 29 mm narrower. We offer suitable material upon request.











Pos.	Description	WS [mm]	Dimensions L / H × 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 × 2.07	33.9	10	5402.221
	with aluminium hatch, for EV 100		1.00 × 2.00	36.3	10	5402.222
	with aluminium hatch, for EV 104		1.04 × 2.07	38.0	10	5402.223
3	**Single step ladder** with hook 10-steps for storey height 2.50 m, for EV 100 and EV 104		2.70 × 0.45	7.7	10	5573.021
4	**FOH rope holder set** 4 parts for connection of the ballast bays, for EV 100 and EV 104			2.7	100	5573.002
5	**Rope fastener** for ballast bays, for EV 100 and EV 104		1.22	1.3	10	5573.005
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** rotable, incl. 2 groove bolts		0.10	0.9	25	5573.000
11	**Keder rail holder with half-coupler** rotable, incl. 2 groove bolts	19	0.16	1.0	25	5573.006
12	**Hinged attachment**		0.70	3.4	100	5573.001
13	**Half-coupler** with plate	19	0.20 × 0.10	2.1	100	5573.030
14	**Groove bolt for keder rail M12 x 40**					
	M12 x 40 mm, with nut			5.0	50	4206.003
	M12 x 25 mm, with nut			4.3	50	4206.004

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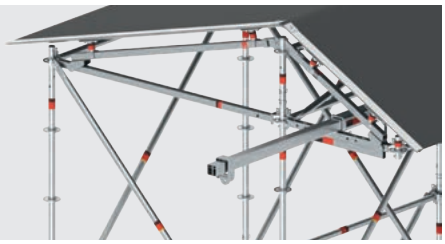
Video wall system



Product advantages:

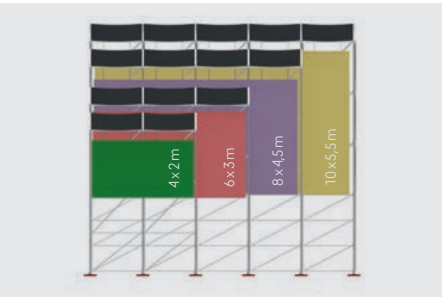
- Modular design based on Layher Allround Scaffolding
- Manual assembly
- Economical to assemble thanks to wedge and pin connections
- Low transport volume
- Expandable with additional functions

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.

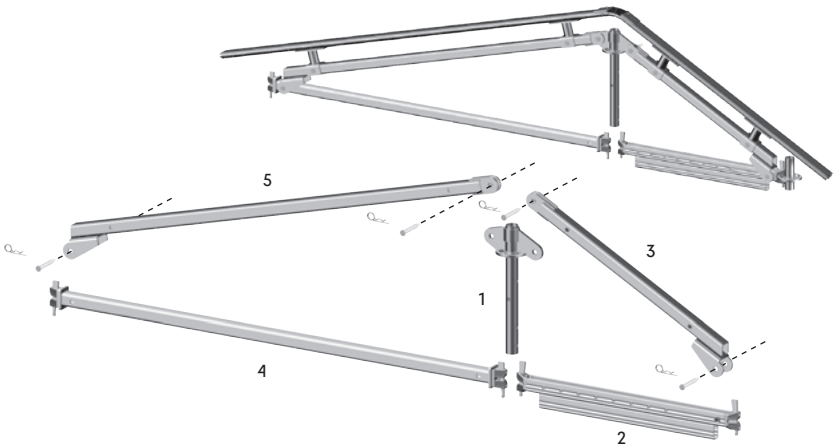
At the ends of the video screen, **projecting arms** 8 can be laterally inserted to support the loads of up to 5 kN. The necessary M12 x 130 bolts are supplied together with the projecting arm.

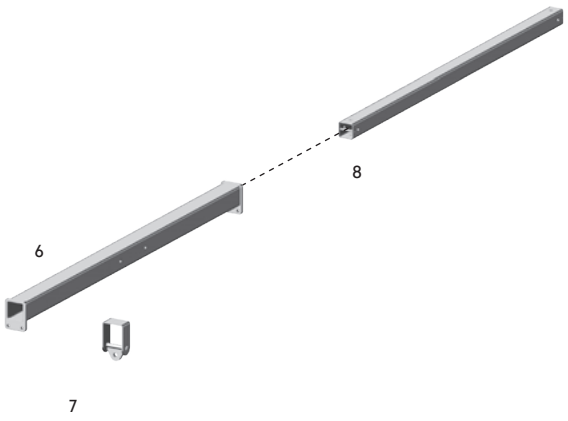
A roof can be constructed optionally. To do so, the **keder holders** 9 are fastened by means of **pins** 12 into the holes provided for them in the **diagonal braces** 3 / 5.

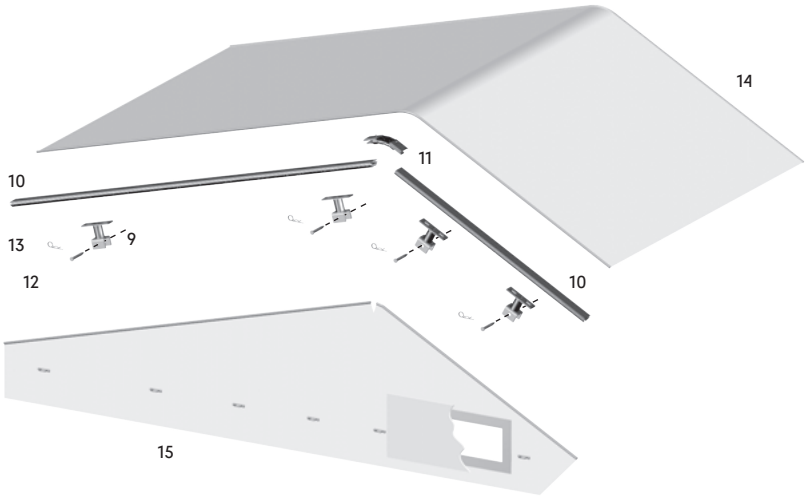
To fix the keder rails, groove bolts for keder rail (Ref. No. 4206.003) are needed.

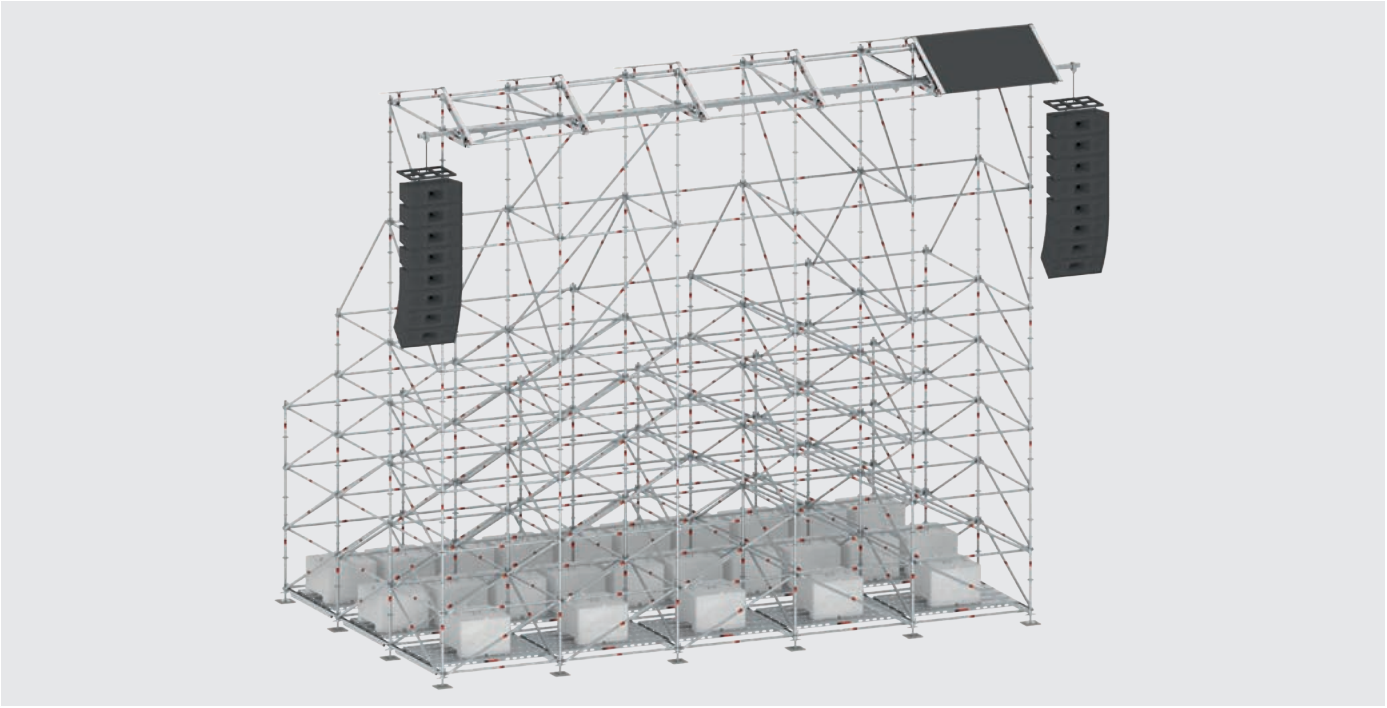


Other lengths for the keder rails and further accessory parts can be found in our price list for Non-System Accessories.









Pos.	Description	Dimensions L / H × 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	12.4	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 × 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 × 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 × 3.68	6.9	1	5435.320
		2.07 × 3.68	7.2	1	5435.327
	white	2.00 × 3.68	6.9	1	5435.321
		2.07 × 3.68	7.2	1	5435.328
15	**Video wall gable tarpaulin**				
	black	3.45 × 0.90	2.7	1	5435.330
	white	3.45 × 0.90	2.7	1	5435.331

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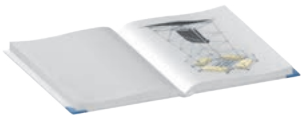
PA Tower PLUS

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.



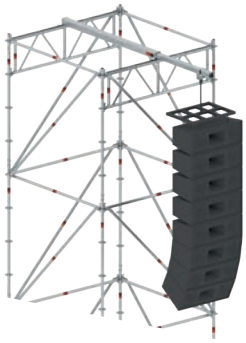
An extensive structural report is available for all these variants.

Two surface areas are available – 2.07 x 2.07 m and 4.14 x 4.14 m or 2.00 x 2.00 m 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.

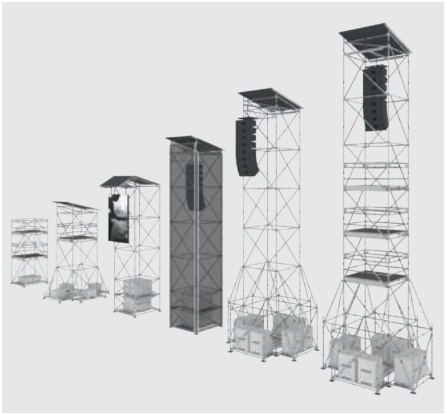
The stability of the PA-Tower PLUS was structurally verified in accordance with the current standard DIN EN 13814: with and without a wind strength limit up to wind zone 4 – both with and without covering.

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 4 x 4 m
- 3 work levels
- Video wall bracket
- Cantilever for loudspeakers
- Roofing



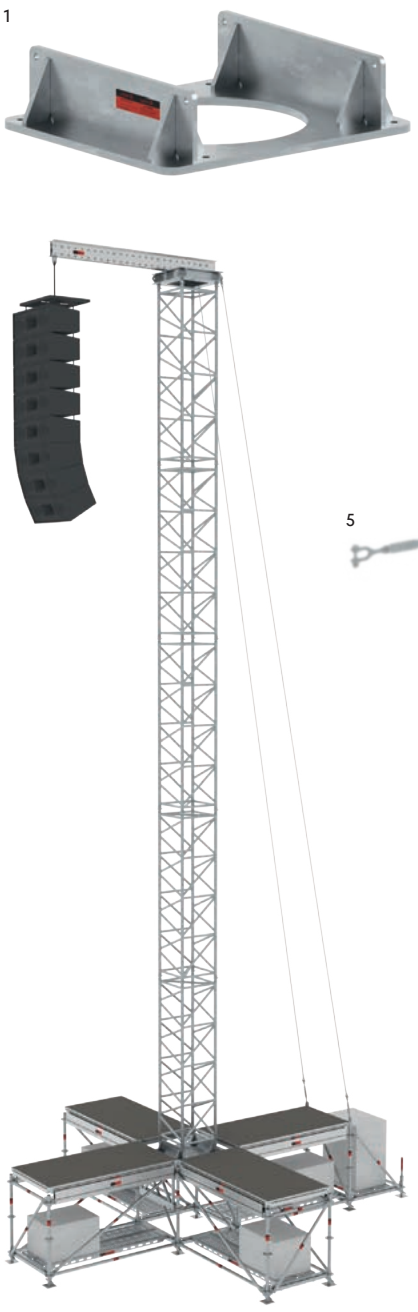
Pos.	Description	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**PA Tower PLUS U-lattice beam**	2.00	20.9	40	5436.200
		2.07	21.4	40	5436.207
2	**PA Tower PLUS U-ledger**	2.00	12.5	50	5435.200
		2.07	12.7	50	5435.207

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 × 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	**Supension 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

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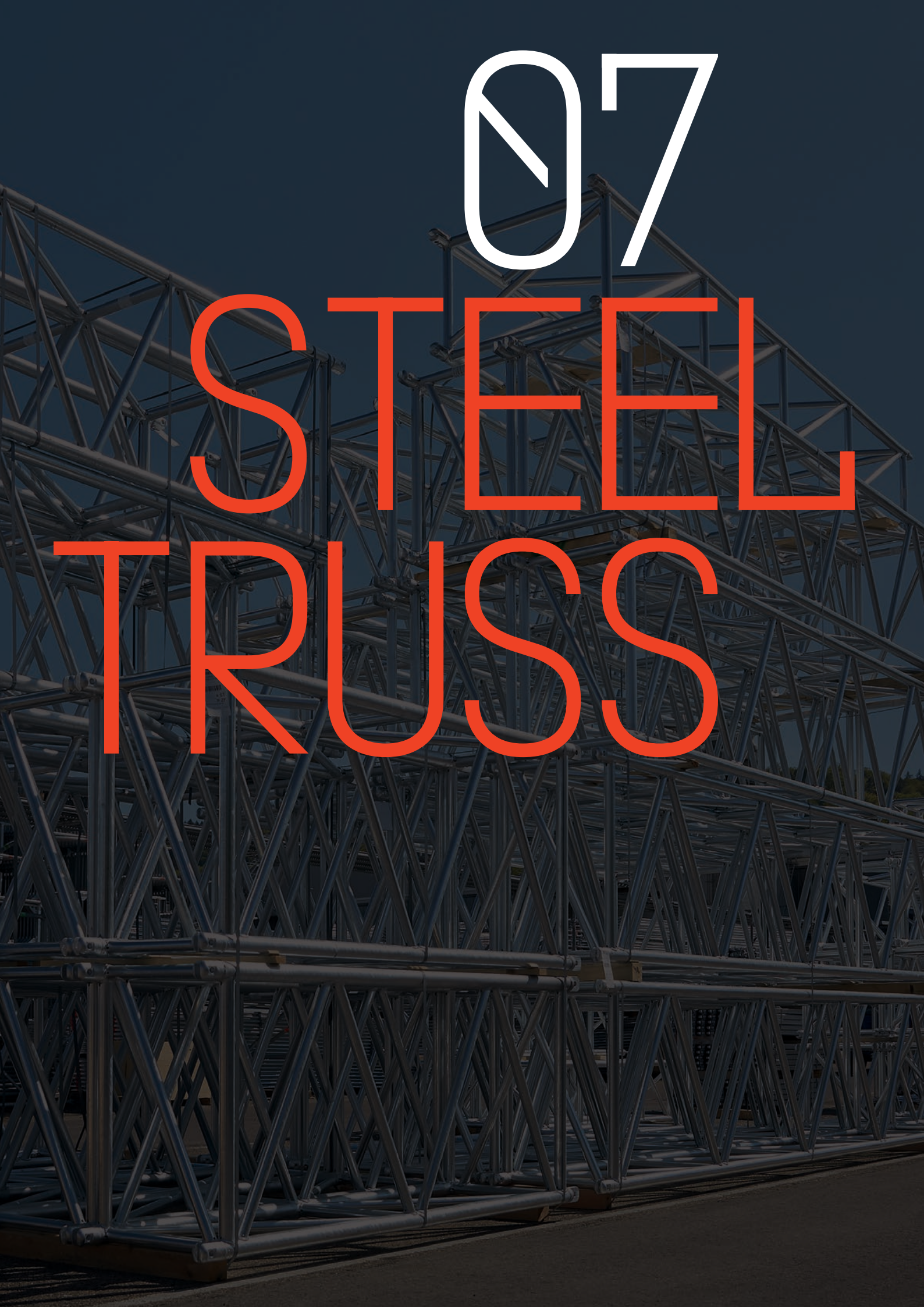
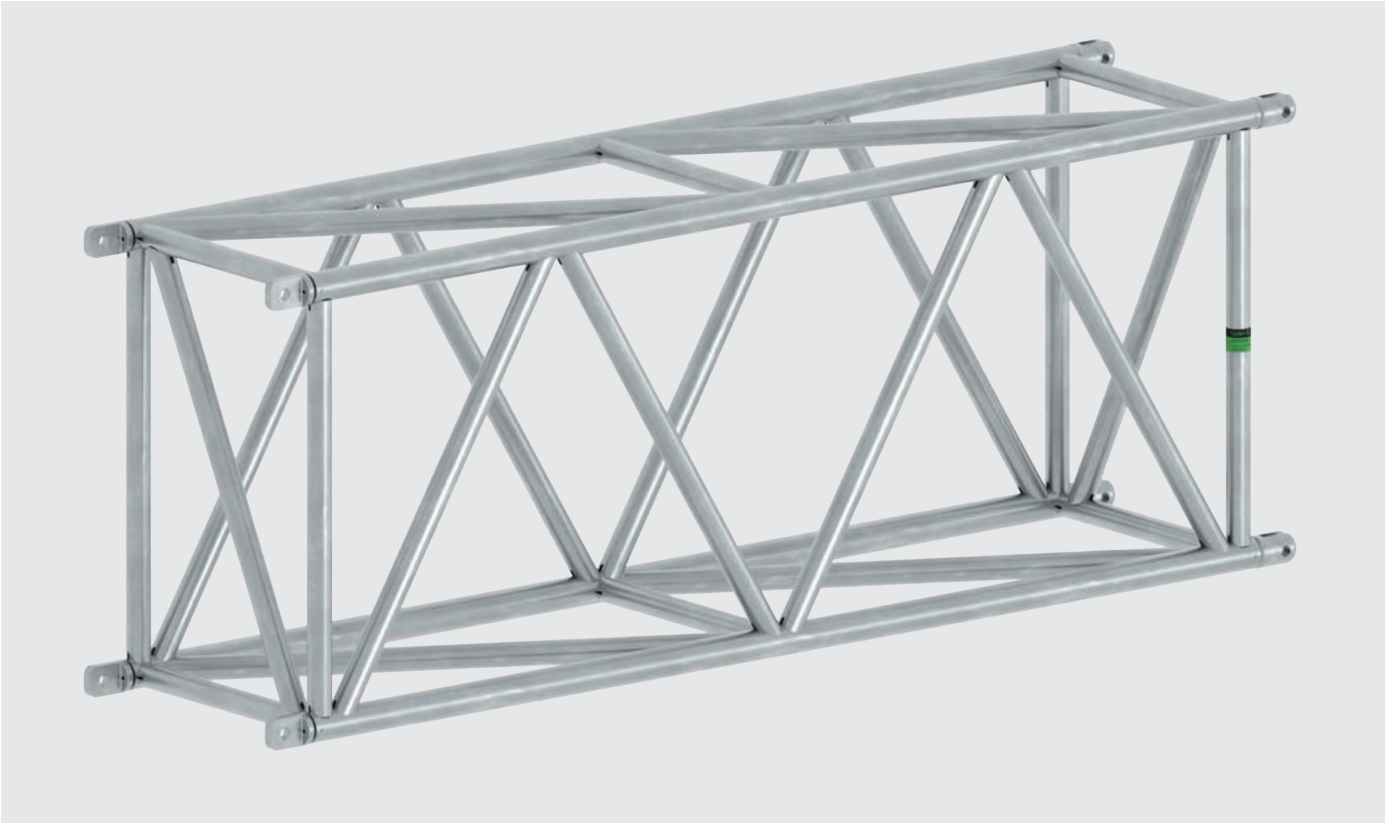


07 STEEL TRUSS



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 advertisment signs or cable bridges.

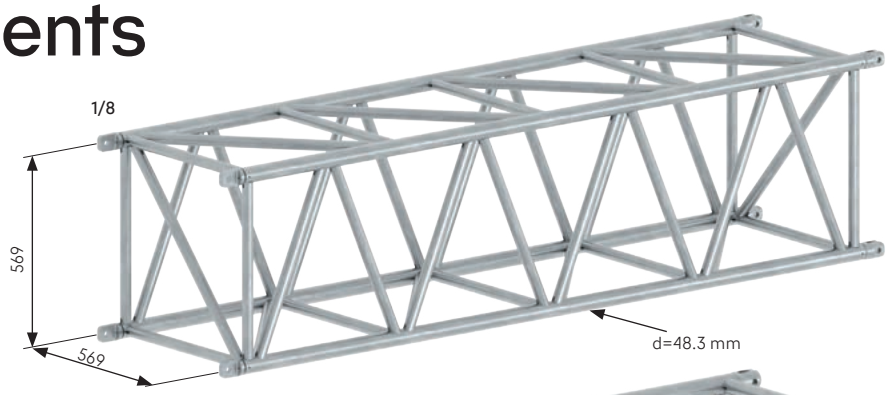
Nova Truss

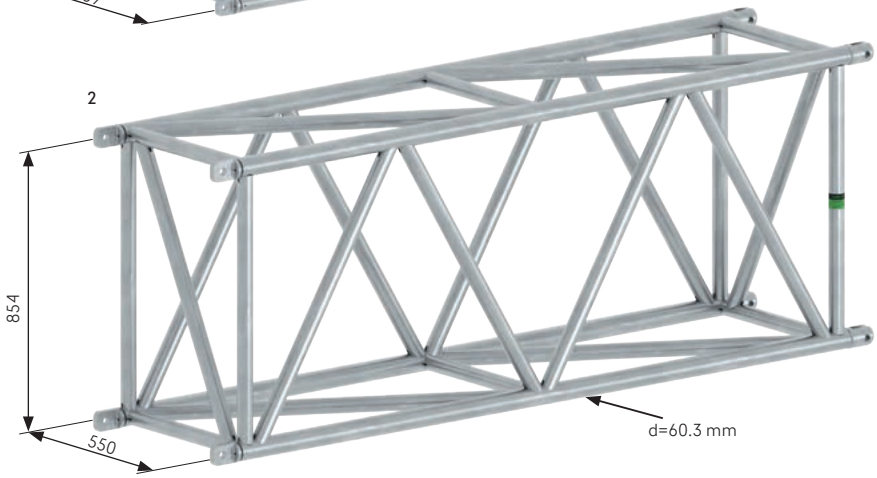
The Layher Nova truss is suitable for use as a vertical support for structures with horizontal Super-Truss beams.
Examples of use: Ground support, advertising panel and cable bridge.

Super Truss

The Super Truss is a very strong transom type, which is usable for roofings as main transom, as ground support, for advertisment 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.



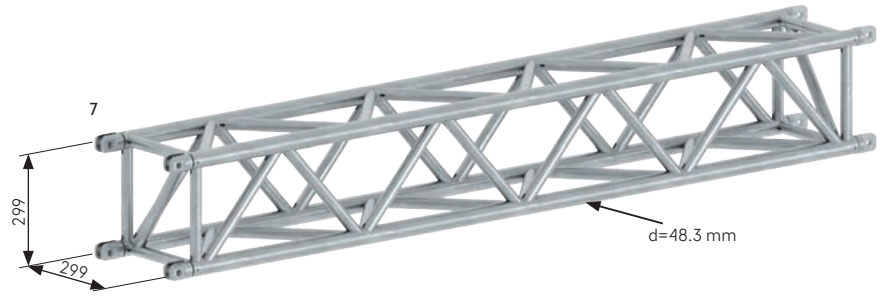


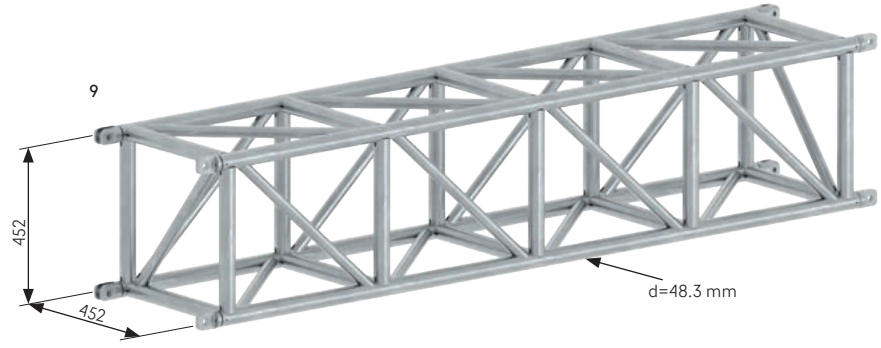
Use at Tower Truss, Maxi Truss und Nova Truss

Use at Super Truss

Use at Tower Truss, Maxi Truss und Nova Truss

Use at Super-Truss





Pos.	Description	Dimensions L / H × 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 advertisment signs or cable bridges, use with bolt d=15.8 mm	1.20	55.7	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 advertisment 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**		0.8	4	5550.003
4	**Bolt d=20 x 100 mm**		1.2	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 × 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, advertisment signs or cable bridges, use with bolt d=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 advertisment signs or cable bridges, use with bolt d=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 advertisment signs or cable bridges, use with bolt d=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	

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Edition 04.2026
Ref. No. 8111.238

Layher

More Possibilities. The Scaffolding System.

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.

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