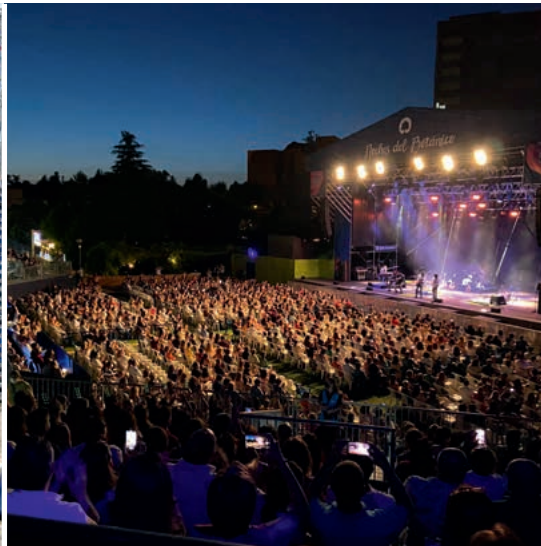


LAYHER EVENT SYSTEMS CATALOGUE 2023/2024



Edition 04.2023
Ref No. 8111.235

Quality management
certified according to
DIN EN ISO 9001





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Quality Made by Layher	4
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More Safety	5
More Proximity	5
More Simplicity	5
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MIXED REALITY



In this catalogue, you can find images highlighted with the symbol for mixed reality.

By using the Layher App, you bring these scaffolding structures to life. Learn more and download the app:
app-en.layher.com

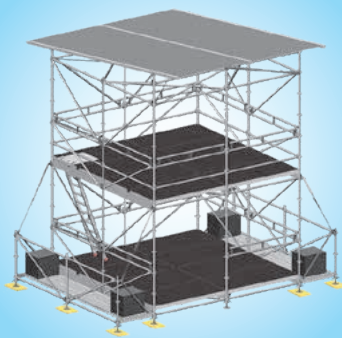
PRODUCT PORTFOLIO



The Layher Product Range – all catalogues at a glance

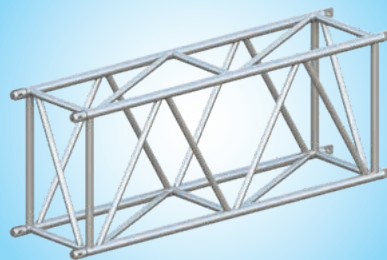
SpeedyScaf	Ref. No. 8102.264
Allround Scaffolding	Ref. No. 8116.260
System-free Accessories	Ref. No. 8103.281
Protective Systems	Ref. No. 8121.262
Event Systems	Ref. No. 8111.235
Access Technology	Ref. No. 8118.235

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NOTICE

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.

QUALITY MADE BY LAYHER



Headquarters in Eibensbach



Plant 2 in Gueglingen

QUALITY MADE IN GERMANY.

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, sales and export department are all in one place, where the conditions are best for achieving quality made by Layher: in Gueglingen-Eibensbach. The two locations together cover a surface area of 318,000 m². This includes more than 148,000 m² of covered production and storage areas.

MORE POSSIBILITIES. THE SCAFFOLDING SYSTEM.

This brand promise made by Layher is the expression of a brand philosophy that we've been living by for over 75 years. More speed, more safety, more proximity, more simplicity and more future: values with which we strengthen our customers' competitiveness in the long term. With our innovative systems and solutions, we're working all the time on making scaffolding construction even simpler, even more economical and, above all, even safer.

SUSTAINABILITY AT LAYHER.

We've long been acting with a clear focus, with a view to both economic and ecological sustainability in all our process steps. Social responsibility towards employees, clients and society as a whole are at the very centre of this. We're a dependable employer, active in protecting our resources. The sparing use of work materials as a feature of our sustainable approach is fundamental to how we see ourselves: we already take care to ensure sustainable building methods when planning a new production facility, for example by greening the roofs or using photovoltaic systems. We also value locations that are close by, avoiding unnecessary CO₂ emissions due to long traffic routes. The topic of sustainability is firmly embedded in Layher's organisational structure thanks to its energy management team. Their work has paid off in particular in the form of DIN EN ISO 50001 certification.



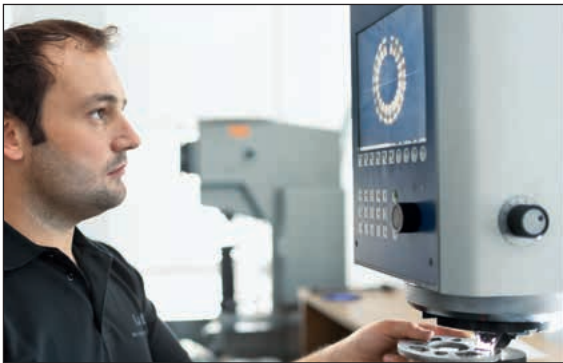
Discover the world of Layher
in its company film at:
yt-image-en.layher.com





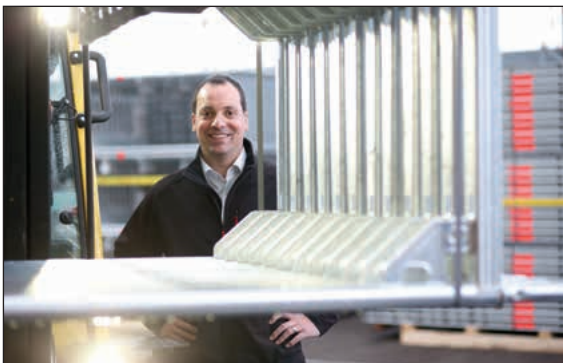
MORE SPEED

High level of material availability, effective delivery service and quick assembly and dismantling of the scaffolding systems thanks to 100% fitting accuracy.



MORE SAFETY

Outstanding quality and precision coupled with a long service life – confirmed internationally through independent certifications, inspections and approvals. Continuity and long-term partnership.



MORE PROXIMITY

Comprehensive personal consultation and close-knit delivery network. Global presence through our own subsidiaries. Family-owned company that works closely with its customers.



MORE SIMPLICITY

Economical scaffolding systems that have been proven in practice, available with an extensive product range. Cross-system combinations for versatile use. Rapid decision making thanks to efficient structures and processes.



MORE FUTURE

Thanks to permanent product innovations and the improvement of existing parts. By opening up new areas of business. With an integrated system to ensure high profitability and retention of investment value. Through an extensive range of training opportunities and seminars to ensure that customers are always right up-to-date with the latest technical and commercial developments.

Layher Lightweight: Through the use of high-tensile steel, a new production process, and an improved design, we have succeeded in minimising the weight of the core components of our systems – while maintaining or raising load-bearing capacity.



Layher LayPLAN

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.

LayPLAN CAD

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.

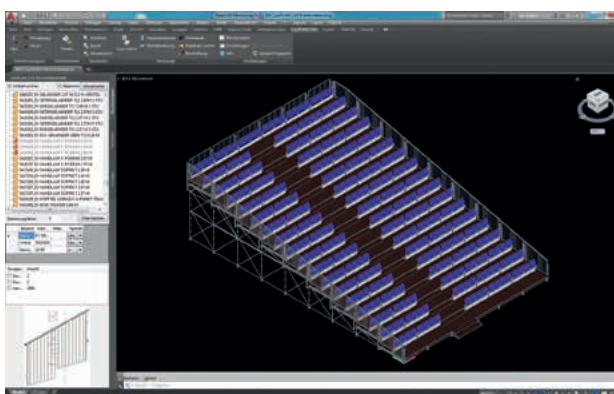
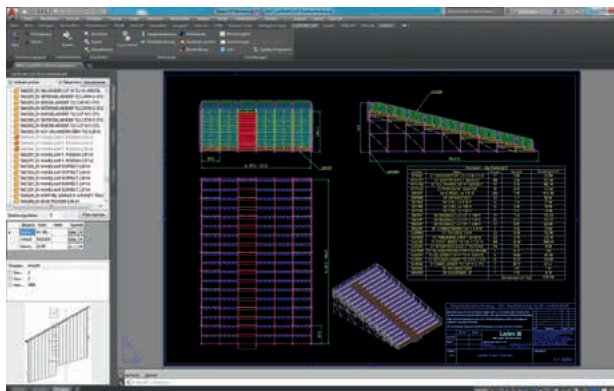
A visual collision check is possible with the aid of volume rendering. By using a convenient search function with preview image, scaffolding planners will find not only an extensive library of individual Layher parts, but also assemblies already prefabricated for even faster design work. The detailed 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.

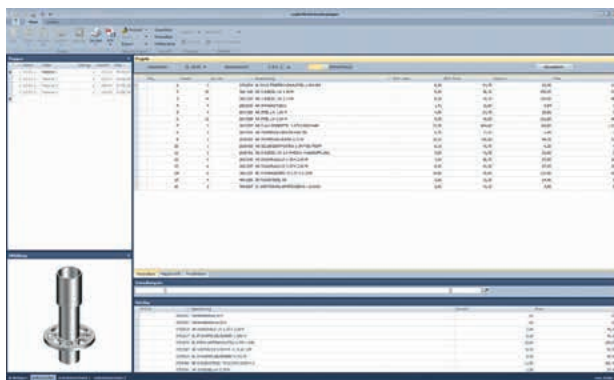
How can I buy LayPLAN?

Registration and all the ordering processes can be conveniently accessed at the Layher website: <http://software.layher.com>

A contact form gives you the data to access our software portal, where you can download a 30-day test version and also find the order form for the full version.

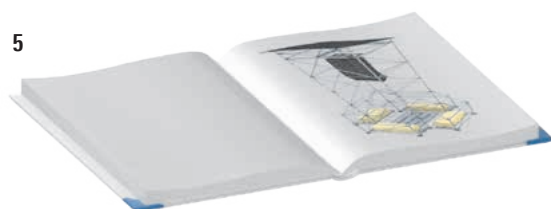


Planning of a grandstand in LayPLAN CAD



Component images LayPLAN Material Manager
Part of LayPLAN CLASSIC and LayPLAN CAD

Pos.	Description	Weight approx. [kg]	Ref. No.
1	LayPLAN CAD Single licence – plug-in for AutoCAD, for designing complex scaffolding in 3D and for developing scaffolding proposals from LayPLAN CLASSIC		6345.103



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.

Model Approval is granted for a defined period that should not exceed five years. It can be extended a further five years on written request. Model Approval and its extension is entered in an **inspection book**.

The inspection book 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 [pcs.]	Ref. No.
1	Inspection book for Event Podium			
	for EV 86	1.00		5400.002
	for EV 100	1.50		5400.004
	for EV 104	1.50		5400.005
2	Inspection book for Event Stand			
	for EV 86	2.50		5400.007
	for EV 86Q	1.00		5400.003
	for EV 100	2.00		5400.101
	for EV 104	2.50		5400.006
3	Inspection book for FOH Tower for EV 100 and EV 104	3.20		5400.150
4	Inspection book for video wall system for EV 100 and EV 104	3.00		5400.160
5	Inspection book for PA Tower PLUS for EV 100 and EV 104	1.00		5400.170

= delivery time on request

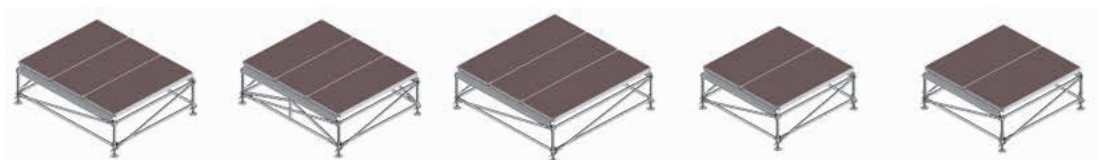
LAYHER PODIUMS AND STAND SYSTEMS

DECISION-MAKING AIDS



LAYHER PODIUMS

Layher podiums are just as suitable for use inside halls and marquees as use outdoors. 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.



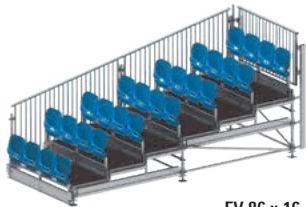
Module	EV 86	EV 86+	EV 86Q	EV 100 Metric*	EV 104
Bay	2.07 x 2.57 m	2.07 x 2.57 m	2.57 x 2.57 m	2.00 x 2.00 m	2.07 x 2.07 m
Deck type	Event deck	Event deck	Event deck	Event deck	Event deck
Deck size	0.86 x 2.07 m	0.86 x 2.07 m	0.86 x 2.57 m	1.00 x 2.00 m	1.04 x 2.07 m
Decks per bay	3	3	3	2	2
Support element	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

 * Further metric components, see catalogue Allround Scaffolding. 

LAYHER STANDS

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

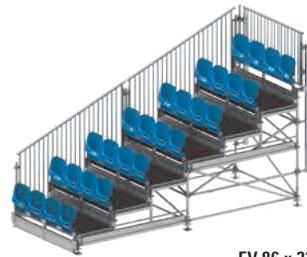
tables in this connection. Thanks to the modular design, it is possible to adapt the stand to the local conditions and to plan it in accordance with local regulations.



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.

LAYHER EVENT STAGES AND PODIUMS

LAYHER STAGES AND PODIUMS – EASIER, QUICKER AND SAFER BY USING THE MODULAR LAYHER SYSTEM

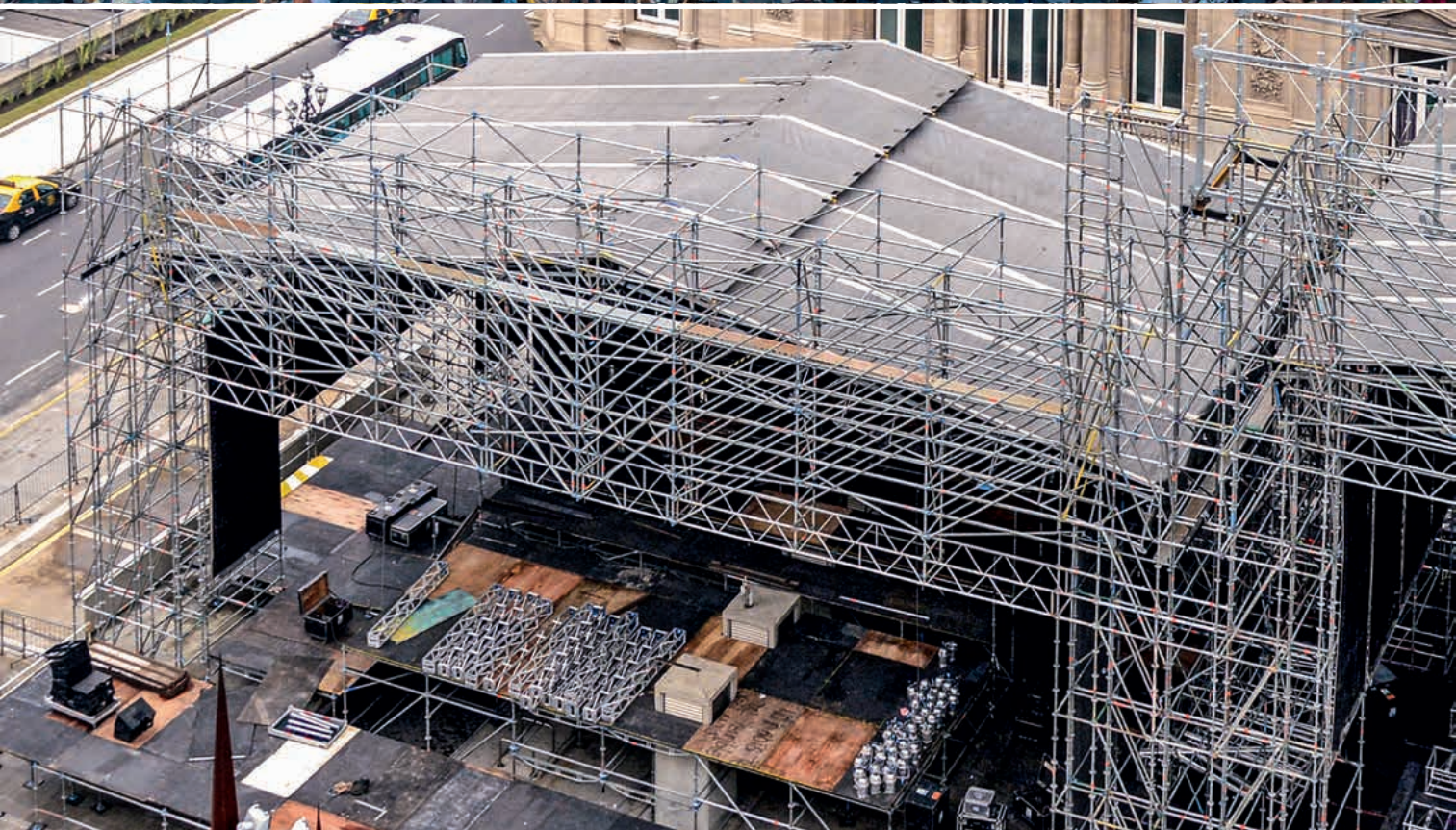


No compromising on site, fulfils requirements in terms of dimension and equipment: Layher Event Stages and Podiums.

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.



Allround Scaffolding

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 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** with nut **9**. The upper standard is pinned using **hinged pins 8**. Alternatively, also using **special bolts 9**.

The **standard LW 0.67 m 10** and the **standard LW 1.16 m** 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 11** can create a pull-resistant connection between the base collar and the standard. It is needed 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 13** and **base collars short 12a** are used. For greater heights, **base plates 60 solid 14**, **base collars 12b** and **standards without spigots 10**, in the appropriate length are used.

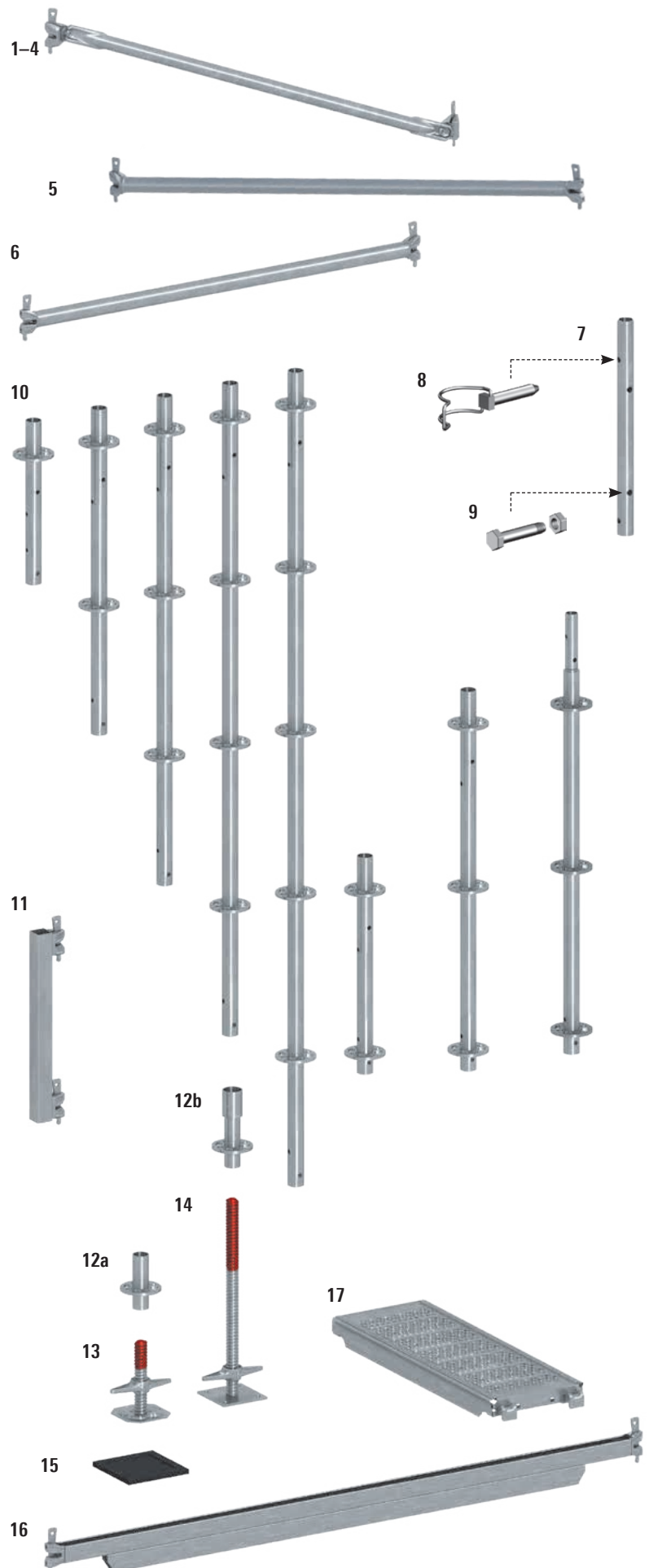
The **rubber pad 15** minimises slippage of the structure and helps to protect sensitive indoor floors. Inserted between the load-distributing support and the base plate, it can help in many cases to reduce the amount of ballast.





Further components and more detailed information can be found in the Allround Scaffolding price list.





Pos.	Description	Use up to load class	WS [mm]	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	
1	Diagonal brace LW, steel, 2.00 m bay height							
	1.00 m bay length			2.22	7.30	50	2683.100	
	1.04 m bay length			2.23	7.60	50	2683.104	
	2.00 m bay length			2.76	9.10	50	2683.200	
	2.07 m bay length			2.81	9.20	50	2683.207	
2	Diagonal brace LW, steel, 1.50 m bay height							
	1.00 m bay length			1.77	6.20	50	2682.100	
	1.04 m bay length			1.79	6.20	50	2682.104	
	2.00 m bay length			2.42	8.00	50	2682.200	
	2.07 m bay length			2.48	8.20	50	2682.207	
3	Diagonal brace LW, steel, 1.00 m bay height							
	1.00 m bay length			1.36	5.00	50	2681.100	
	1.04 m bay length			1.39	5.10	50	2681.104	
	2.00 m bay length			2.14	7.20	50	2681.200	
	2.07 m bay length			2.20	7.40	50	2681.207	
4	Diagonal brace LW, steel, 0.50 m bay height							
	1.00 m bay length			1.03	4.30	50	2680.100	
	1.04 m bay length			1.08	4.20	50	2680.104	
	2.00 m bay length			1.96	6.70	50	2680.200	
	2.07 m bay length			2.03	6.90	50	2680.207	
5	O-ledger LW, horizontal-diagonal, steel							
	for 2.00 m bay length, 1.00 m bay width, left			2.23	7.83	50	2678.201	
	for 2.00 m bay length, 2.00 m bay width			2.83	9.60	50	2678.200	
	for 2.07 m bay length, 1.04 m bay width, left			2.32	8.08	50	2678.206	
	for 2.07 m bay length, 2.07 m bay width			2.93	10.00	50	2678.207	
6	O-ledger LW							
	steel, with AutoLock function			0.86	3.30	50	2601.086	
				1.04	3.80	50	2601.103	
				1.72	5.90	50	2601.172	
				2.07	7.00	50	2601.207	
7	Spigot, steel							
	for standards Ref. No. 2619.xxx and 2604.xxx			0.52	1.60	350	2605.000	
	Spigot, d=12 mm with pan-head				1.60	20	4905.668	
	Special bolt M12 x 60, with nut		19		4.00	50	4905.062	
	Standard LW							
10	steel, without spigot, for scaffolding layer			0.50	2.20	300	2619.050	
				1.00	4.40	28	2619.100	
				1.50	6.60	28	2619.150	
				2.00	8.80	28	2619.200	
				2.50	11.00	28	2619.250	
				3.00	13.20	28	2619.300	
	steel, 0.67 m, with 2 rosettes, without spigot, with integrated base collar			0.67	3.27	200	2619.066	
	steel, 1.16 m, with 3 rosettes, without spigot, with integrated base collar			1.16	5.47	28	2619.116	
	steel, with integrally shaped spigot, with cross-drilling, for use as standard and suspended scaffolding standard			1.16	5.75	28	2617.116	
	Standard lock, 0.50 m			0.58	4.00	100	2603.000	
12	Base collar							
	a) short			0.17	1.05	250	5601.000	
13	Base plate 20							
	without lock (max. spindle travel 10 cm)			0.20	2.30	200	5602.020	
14	Base plate 60							
	solid, without lock (max. spindle travel 41 cm)			0.58	6.70	200	5602.060	
15	Rubber pad for base plate			0.20 x 0.20	0.43	10	4000.500	
16	U-ledger reinforced LW T14							
	steel, metric			2.00	12.50	50	2618.200	
17	U-steel deck LW, 0.32 m wide		6	1.00 x 0.32	7.20	60	3883.100	
	steel, hot-dip galvanized, perforated, non-slip working surface		6	1.04 x 0.32	7.40	60	3883.104	
			6	2.00 x 0.32	12.90	60	3883.200	
			6	2.07 x 0.32	13.40	60	3883.207	

WS = wrench size PU = packaging unit = available ex works = delivery time on request = only available in this packaging unit = the approval process is not yet completed = Layher Individual possible

= new in the catalogue

Podiums – Basic components

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.

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.

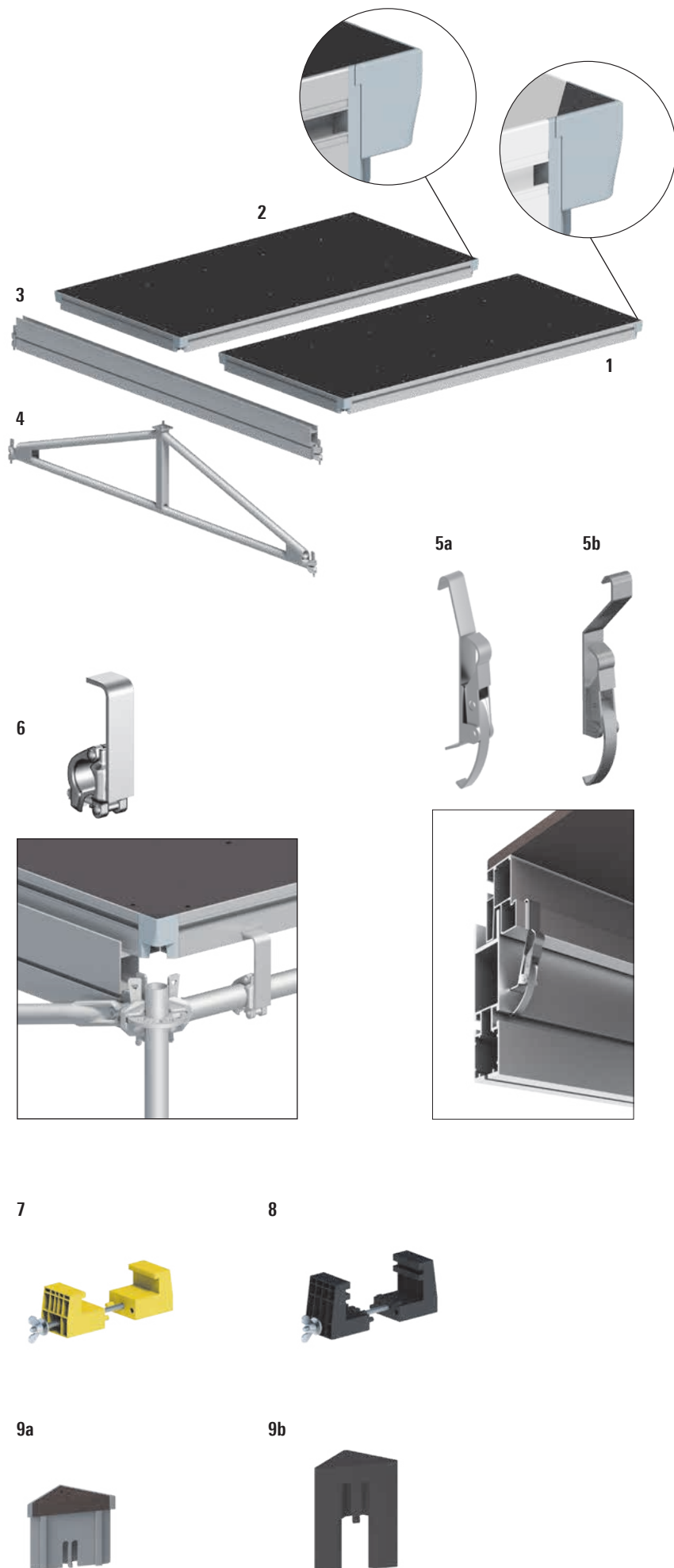
The Event decks are supplied with plastic corners fitted. The matching **plastic corners 9** are available in packaging units of 50 as spare parts.

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



For the basic variants of the podiums, an inspection book can be ordered. See page 7.



Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	
1	Event deck T16					
	aluminium frame, coated plywood, detachable plastic corners, for EV 86	0.86 x 1.04	16.86	10	5402.201	
		0.86 x 1.57	23.47	10	5402.203	
		0.86 x 2.07	30.21	10	5402.202	
	aluminium frame, coated plywood, detachable plastic corners, for EV 86Q	0.86 x 2.57	36.68	10	5402.204	
	aluminium frame, coated plywood, detachable plastic corners, for EV 100	1.00 x 1.00	18.30	10	5402.205	
		1.00 x 2.00	32.52	10	5402.206	
	aluminium frame, coated plywood, detachable plastic corners, for EV 104	1.04 x 1.04	19.25	10	5402.208	
		1.04 x 2.07	34.27	10	5402.209	
2	X-Event deck T16					
	aluminium frame, coated plywood, not detachable plastic corners, for EV 86	0.86 x 1.04	16.86	10	5402.211	
		0.86 x 2.07	30.21	10	5402.212	
	aluminium frame, coated plywood, not detachable plastic corners, for EV 86Q	0.86 x 2.57	36.68	10	5402.214	
	aluminium frame, coated plywood, not detachable plastic corners, for EV 100	1.00 x 1.00	18.30	10	5402.215	
		1.00 x 2.00	32.52	10	5402.216	
	aluminium frame, coated plywood, not detachable plastic corners, for EV 104	1.04 x 1.04	19.25	10	5402.218	
		1.04 x 2.07	34.27	10	5402.219	
	3	Event transom				
for EV 86		0.86	6.10	60	5400.072	
		1.71	10.00	60	5400.071	
for EV 100		1.00	6.40	60	5400.010	
		2.00	11.40	60	5400.040	
for EV 104		1.04	6.60	60	5400.020	
		2.07	12.00	60	5400.050	
for EV 86 and EV 86Q	2.57	14.60	60	5400.070		
4	Transom support increases permissible load on the EV 86+ system	2.57 x 0.50	21.20	40	5400.100	
5	Tension clasp					
	a) for Event deck T16	0.16	2.50	50	5403.521	
	b) for Event deck T10, T7, T4 and T1	0.16	2.60	50	5403.515	
6	Square half-coupler		1.40	25	5403.510	
7	Clamp yellow for Event decks T16		0.30	50	5403.518	
8	Clamp black for Event decks T10, T7		0.35	40	5403.506	
9	Plastic corner					
	a) 2-coloured, grey-brown spare part for Event deck T16		3.50	50	5403.523	
	b) brown spare part for Event deck T10, T7, T4		3.40	50	6494.103	

Podiums – Guardrails and stairways

Side protection of the stage is provided by **handrails T13 2** or **guardrails with child safety features T12 3**.

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, **guardrail posts 1** are used.

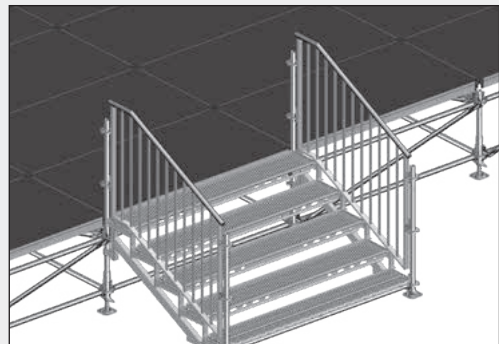
Alternatively, standards going all the way through can be installed in conjunction with additional parts for strengthening.

Variant A:

Round tube with four welded top pieces (Ref. No. 5405.075), see page 22.

Variant B:

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



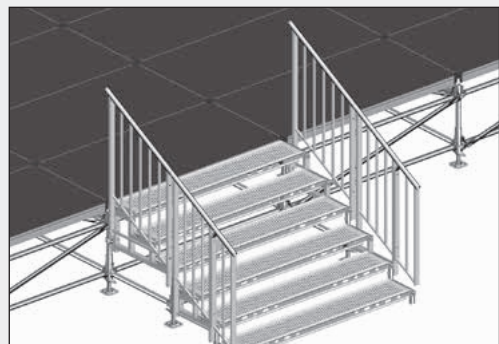
The 5-step **U-stairway stringer 750 5** forms a stair for a podium height of 0.85 m. The top step is flush with the podium surface.

- ▶ Riser $s = 16$ cm
- ▶ Tread $a = 31.8$ cm
- ▶ Undercut $u = 0.2$ cm

Depending on the podium height, the stair can be extended using different stair stringers.

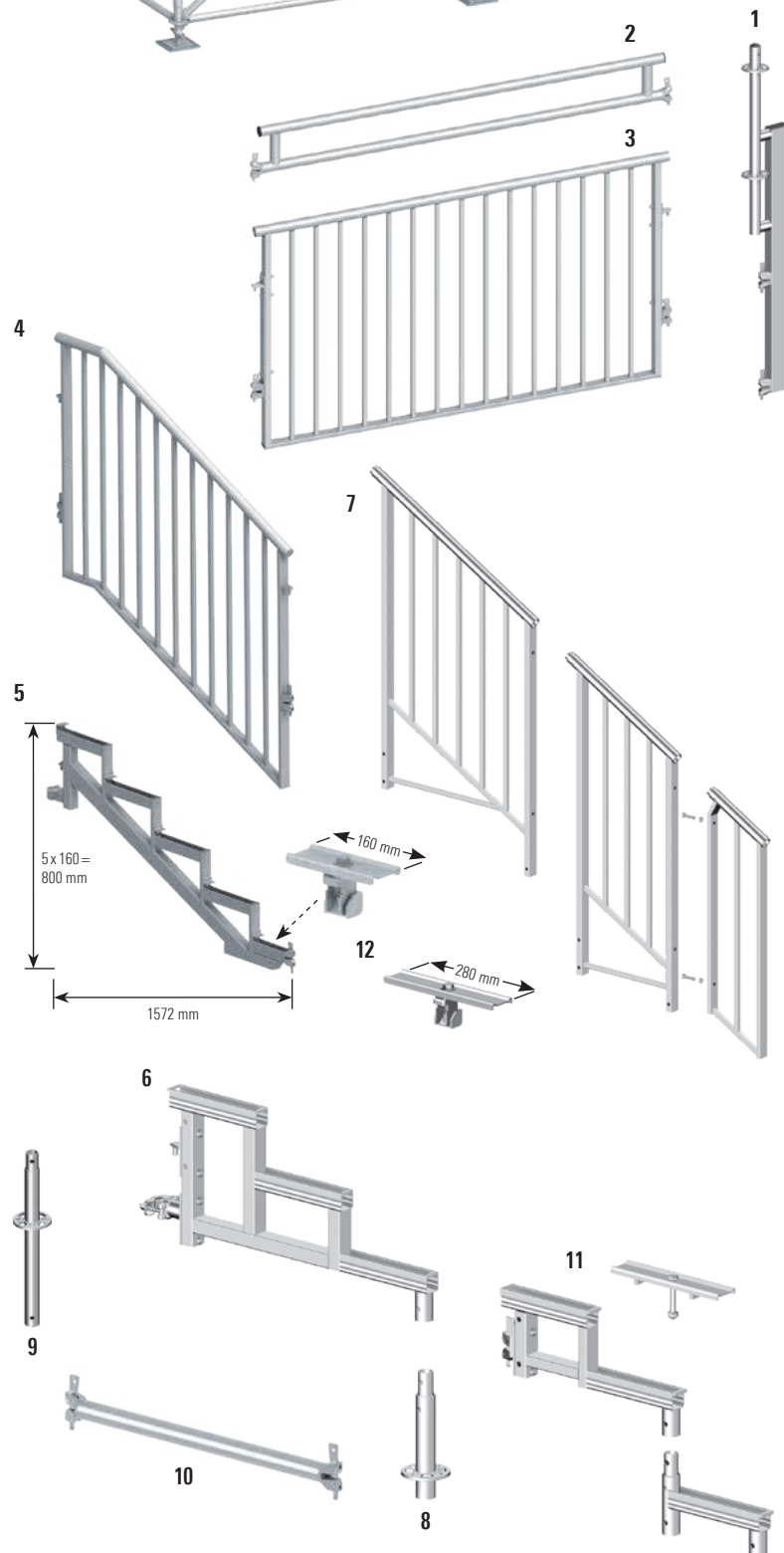
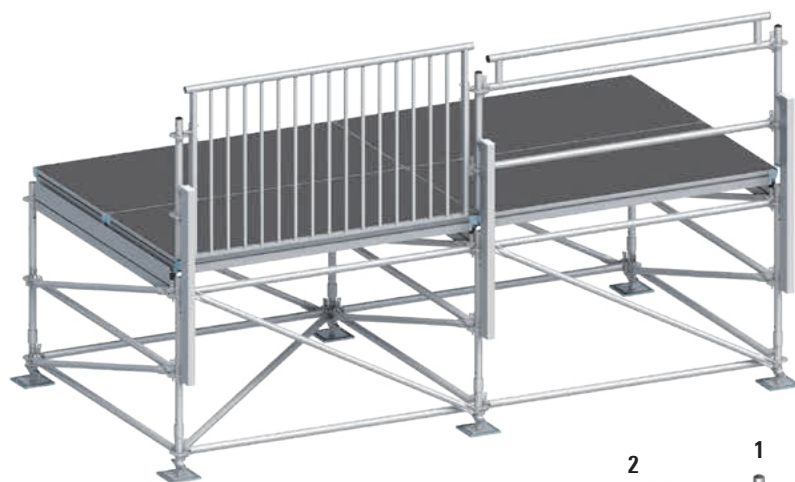
N.B.: When different stair stringers are combined, the tread dimensions are not uniform.

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.



The artist entry to the stage is via the modular stairway. The construction kit comprises: **stringer for modular stairway**, 1, 2 and 3 steps **6**, **base collar 0.26 m 8** and **O-ledger LW 0.90 m 10**.

The bolts for guardrail assembly are included with every **stair guardrail 7**. The steps installed are five robust decks 0.32 m or five steel decks 0.32 m in the selected length. The steps are fastened using **lift-off preventers 11**.



For further information,
please see catalogue
Allround Scaffolding.



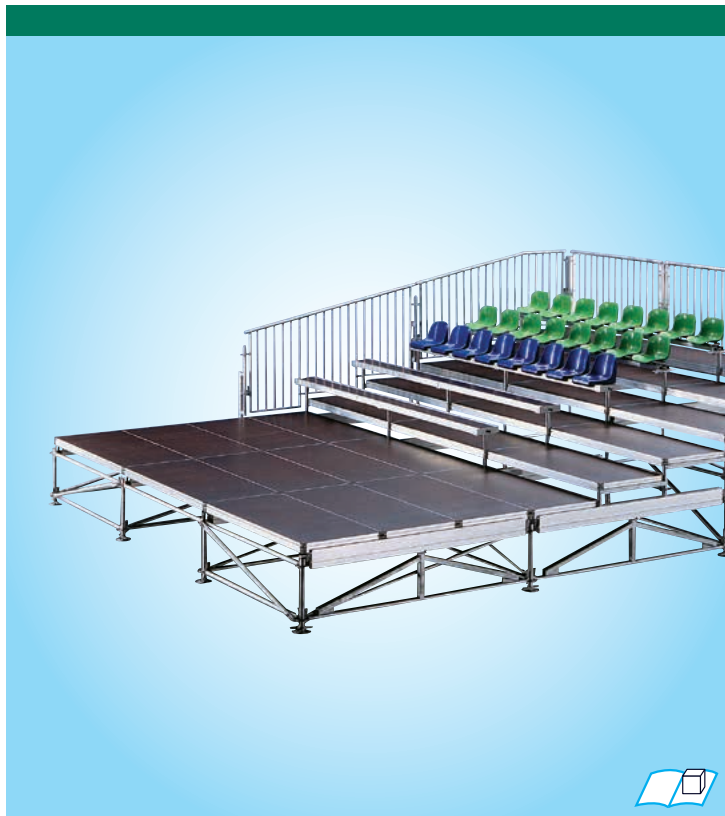
Pos.	Description	WS [mm]	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.		
1	Guardrail post for podium			1.64	13.80	20	5406.000	
2	Handrail T13							
	handrail height 1.00 m for EV 100			1.00	7.90	20	5417.100	
				2.00	14.00	40	5417.200	
	handrail height 1.00 m for EV 104			1.04	8.10	40	5417.104	
	handrail height 1.00 m for EV 86 and EV 104			2.07	14.45	40	5417.207	
	handrail height 1.00 m for EV 86 and EV 86Q			2.57	18.70	40	5417.257	
3	Guardrail with child safety feature T12							
	guardrail height 1.10 m, connection elements height adjustable for use with Event or scaffolding decks, for EV 86 and EV 86Q			0.86	18.50	25	5409.086	
				1.57	25.80	25	5409.157	
				2.57	35.80	25	5409.257	
	guardrail height 1.10 m, connection elements height adjustable for use with Event or scaffolding decks, for EV 100			1.00	19.80	25	5409.100	
				2.00	30.50	25	5409.200	
	guardrail height 1.10 m, connection elements height adjustable for use with Event or scaffolding decks, for EV 104			1.04	20.00	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	30.80	25	5409.207	
4	Stairway guardrail 750 with child safety feature for stairway stringer 2639.003			1.57 x 1.10	22.00	25	2616.106	
5	U-Stairway stringer 750 with half-coupler with 5 steps			1.57 x 1.00	18.50	20	2639.003	
6	Stringer for modular stairway							
	1-step			0.30	2.40	50	5407.001	
	2-step			0.60	5.50	50	5407.002	
	3-step			0.90	8.00	20	5407.003	
7	Guardrail for modular stairway							
	1-step			0.30 x 1.10	6.50	40	5407.011	
	2-step			0.60 x 1.10	14.00	25	5407.012	
	3-step			0.90 x 1.10	16.00	25	5407.013	
8	Base collar 0.26 m for modular stairway, with spigot			0.26	2.00	450	5407.021	
9	Standard for modular stairway 0.59 m, with spigot			0.59	3.10	250	5407.022	
10	O-ledger LW steel, with AutoLock function			0.90	3.40	50	2601.090	
11	Lift-off preventer with bolt			0.29	0.40	500	5407.030	
12	Universal U-Lift-off preventer		19	0.16	0.70	250	2635.002	
			22	0.16	0.70	250	2635.003	
			19	0.28	1.00	250	2635.000	
			22	0.28	1.00	250	2635.001	

WS = wrench size PU = packaging unit = available ex works = delivery time on request = only available in this packaging unit = the approval process is not yet completed = Layher Individual possible
 = new in the catalogue

Pos.	Description	WS [mm]	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	
1	Base beam						
	steel, hot-dip galvanized, for EV 86		0.86	13.00	10	5431.086	⊕
	steel, hot-dip galvanized, for EV 100		1.00	15.50	10	5431.100	⊕
			2.00	32.50	10	5431.200	⊕
	steel, hot-dip galvanized, for EV 104		1.04	16.10	10	5431.104	⊕
	steel, hot-dip galvanized, for EV 86 and EV 104		2.07	33.70	10	5431.207	⊕
2	Base beam						
	steel, hot-dip galvanized, for EV 86		0.86 x 0.50	38.20	10	5432.086	⊕
	steel, hot-dip galvanized, for EV 100		1.00 x 0.50	38.50	10	5432.100	⊕
			2.00 x 0.50	76.00	10	5432.200	⊕
	steel, hot-dip galvanized, for EV 104		1.04 x 0.50	39.10	10	5432.104	🏠
	steel, hot-dip galvanized, for EV 86 and EV 104		2.07 x 0.50	76.70	10	5432.207	🏠
3	Truss-Transom						
	steel, hot-dip galvanized, for EV 86		0.86	27.80	10	5433.086	⊕
	steel, hot-dip galvanized, for EV 100		1.00	28.90	10	5433.100	⊕
			2.00	47.30	10	5433.200	⊕
	steel, hot-dip galvanized, for EV 104		1.04	29.00	10	5433.104	🏠
	steel, hot-dip galvanized, for EV 86 and EV 104		2.07	48.60	10	5433.207	🏠
4	Base plate type 1 steel, hot-dip galvanized, for H30V and H40V support, with 31 drillings		0.41 x 0.41	25.00	10	5434.003	⊕
5	Base plate type 2 steel, hot-dip galvanized, for H30V and H40V support, with 16 drillings		0.41 x 0.41	25.00	10	5434.002	⊕
6	Special bolt with nut, HZS 53 x 34	24	M16 x 60	2.00	12	5434.013	🏠

LAYHER EVENT STANDS

FOR GETTING THE CROWD'S MONEY'S WORTH



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

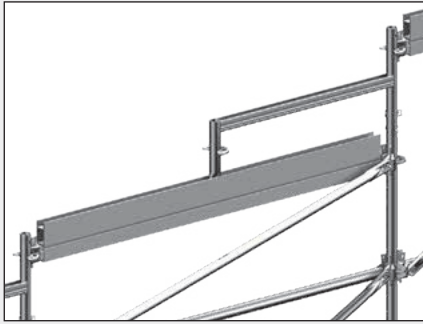
Easy to transport and store, palletizable.

▶ Special design

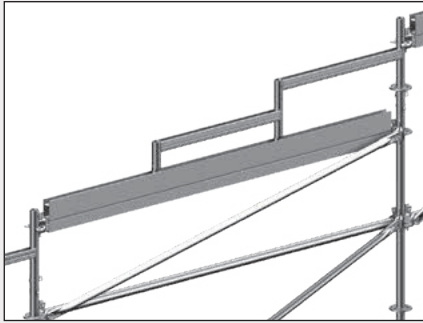
For individualized problem solutions.



Stand components



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



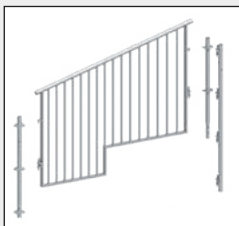
For the Event System EV 86, the **stand elements, 2-step 1** with risers of 0.16 m, 0.25 m or 0.33 m are used.

When Event decks are used, the **steel lift-off preventer 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 5**. The bolts must be ordered separately.

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:

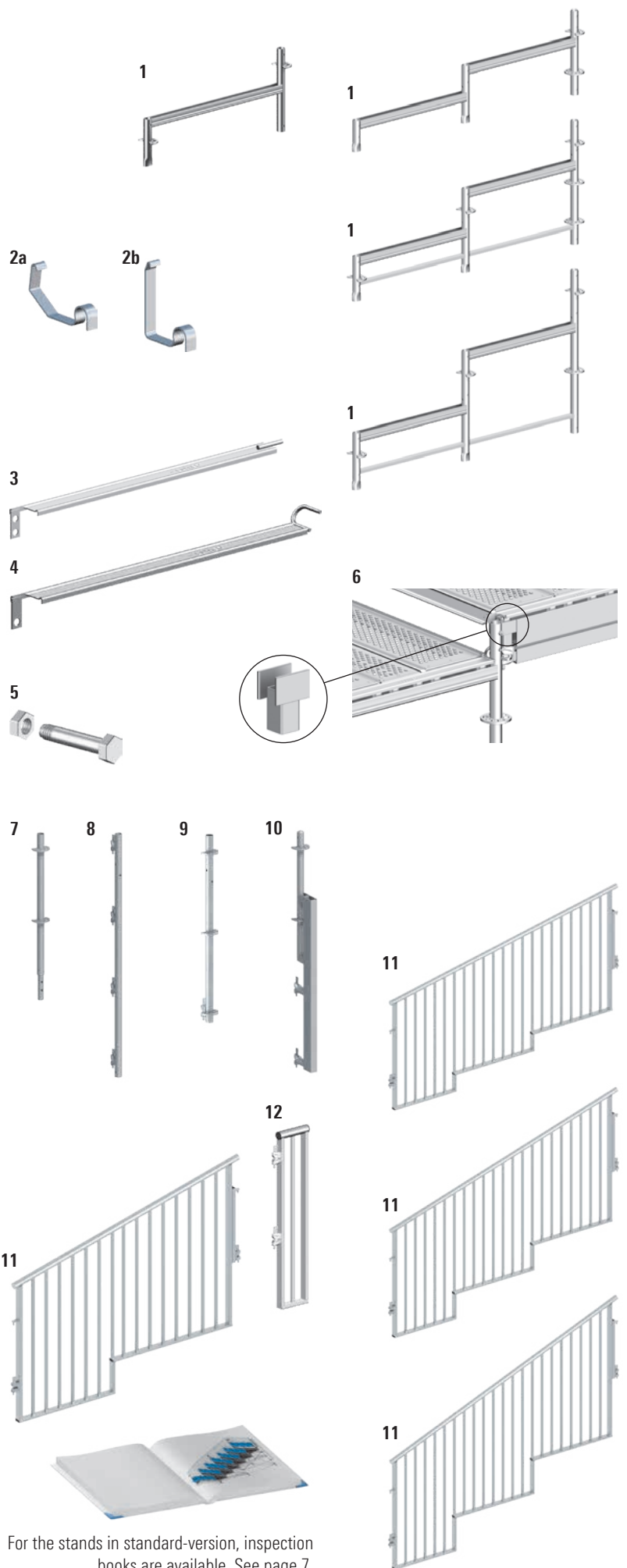
Side guardrail in the system axis



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 9, 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 7.

Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	
1	Stand element					
	1-step, inclination 0.25 m, for EV 100	1.00 x 0.25	6.60	40	5401.010	
	1-step, inclination 0.25 m, for EV 104	1.04 x 0.25	6.70	40	5401.020	
	2-step, inclination 0.16 m, for EV 86 and EV 86Q	0.86 x 0.16	10.60	30	5401.216	
	2-step, inclination 0.25 m, for EV 86 and EV 86Q	0.86 x 0.25	16.60	20	5401.225	
	2-step, inclination 0.33 m, for EV 86 and EV 86Q	0.86 x 0.33	18.00	20	5401.233	
2	Lock for stand element					
	a) for Event deck T16		2.00	50	5403.522	
	b) for Event deck T10, T7, T4, T1	0.10	2.00	50	5403.501	
3	Steel lift-off preventer T19 for stand elements from 2019, for EV 86 and EV 86Q	0.86	1.49	300	5403.010	
4	Steel lift-off preventer for stand elements from 2019, for EV 86 and EV 86Q	0.86	1.60	268	5403.007	
5	Bolt M10 x 70 with nut, for steel lift-off preventer, for EV 86 and EV 86Q		3.50	50	5403.011	
6	Steel deck support for EV 86 and EV 86Q	0.10	0.40	500	5403.006	
7	Guardrail standard 0.96 m, with bottom mounted spigot and 2 cutaway rosettes	0.96	5.50	28	5405.045	
8	Tube with 4 wedge heads	1.70	8.61	50	5405.075	
9	Guardrail post	1.16	5.51	50	5405.041	
10	Guardrail post for stand	1.60	14.00	20	5405.050	
11	Side guardrail T12					
	2-step, inclination 0.25 m	2.00 x 1.10	32.09	25	5410.208	
		2.07 x 1.10	32.50	25	5410.209	
	3-step, inclination 0.16 m	2.57 x 1.10	38.62	25	5410.304	
	3-step, inclination 0.25 m	2.57 x 1.10	39.59	25	5410.305	
	3-step, inclination 0.33 m	2.57 x 1.10	40.73	25	5410.306	
12	Corner guardrail T12	0.28 x 1.10	11.20	40	5410.303	

Stand seats

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 integrated 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 9**. At the posts for side guardrails, **short wedges 9** 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 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:

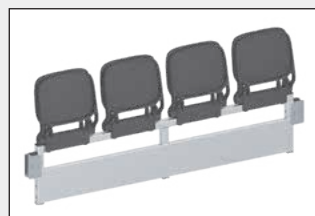
Tip-up seats 12 are clamped to the **aluminium frames 13** at one point. This creates handy seat elements for rapid assembly and low transport volumes.

Aluminium frames 13 are inserted from above into the **adapters 14**. To fasten side guardrails, **standards 0.92 m with adapter 16** are used.

For the bottom row of seats, **adapters with rosette 15** are used, and on the side guardrail the **standard 1.18 m with adapter 17**.

The **aluminium frames, the adapters and standards for tip-up seats 13–17** match all three risers: 0.16 m, 0.25 m and 0.33 m.

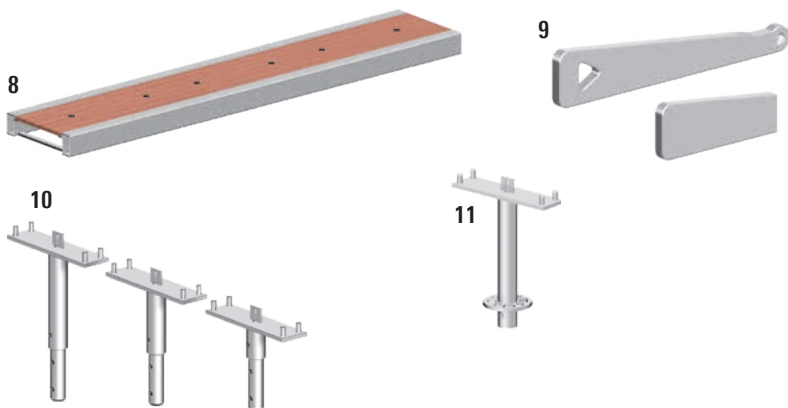
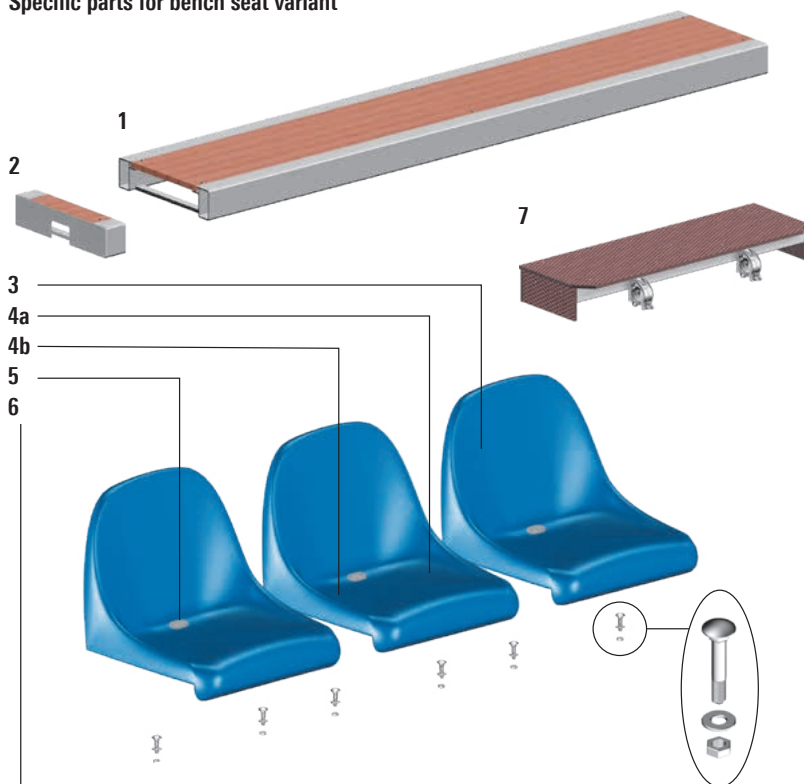
Tip-up seats in the following colours on request:



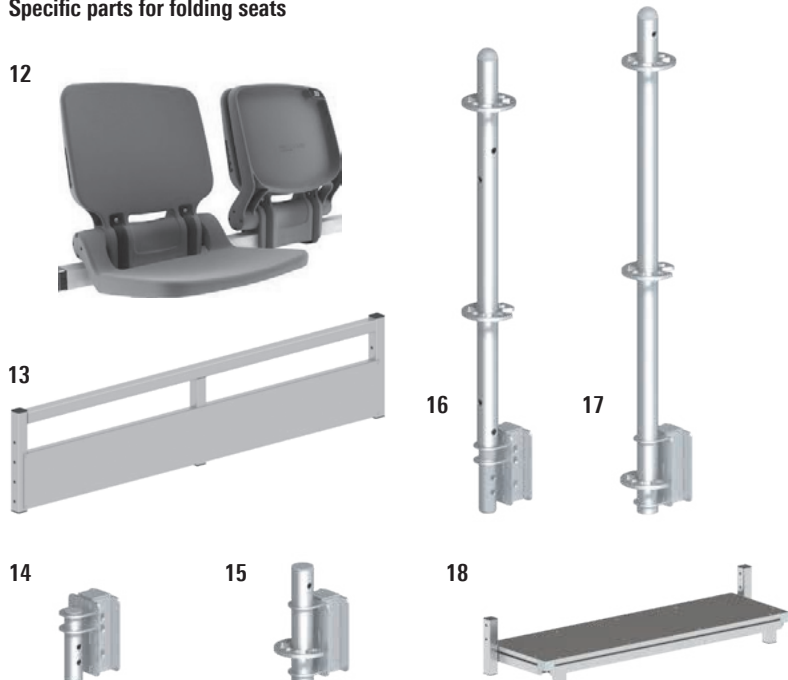
Variant for seating:

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 bench seat variant

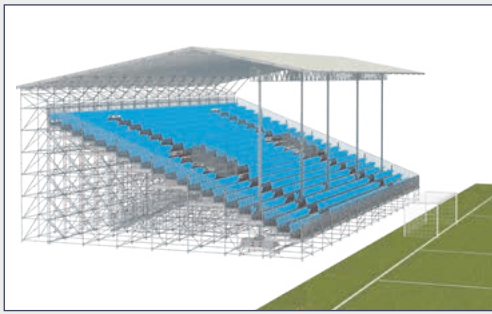


Specific parts for folding seats

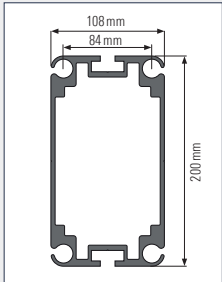


Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	
1	Bench					
	anodised aluminium, coated plywood, for EV 86 and EV 86Q	1.57 x 0.30	7.20	60	5623.157	🕒
	anodised aluminium, coated plywood, for EV 100	2.00 x 0.30	9.40	60	5623.200	🕒
	anodised aluminium, coated plywood, for EV 86 and EV 104	2.07 x 0.30	9.50	60	5623.207	🕒
	anodised aluminium, coated plywood, for EV 86Q	2.57 x 0.30	11.70	60	5623.257	🕒
2	Bench end anodised aluminium, coated plywood	0.06 x 0.30	0.50	400	5624.000	📦
3	Novanta bucket seat blue, UV-protected and flame-retardant	0.40 x 0.43	1.65	120	5408.021	📦
4	Plug					
	a) left, blue		0.20	20	5408.029	📦
	b) right, blue		0.20	20	5408.030	📦
5	Number plate without lettering, white		0.20	20	5408.028	📦
6	Assembly-Set for 20 bucket seats existing of 40 bolts M8 x 40, 40 nuts and 40 washers		1.20	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	8.40	12	5402.110	🕒
		L = 1.25	10.50	24	5402.130	🕒
8	Bench, with holes					
	for Novanta bucket seats, for EV 86 and EV 86Q	1.57 x 0.30	7.20	60	5408.157	🕒
	for Novanta bucket seats, for EV 86 and EV 104	2.07 x 0.30	9.50	60	5408.207	📦
	for Novanta bucket seats, for EV 86Q	2.57 x 0.30	11.70	60	5408.257	📦
9	Allround wedge					
	for securing bench short, 90 mm, without holes, at edge of stand	0.09	12.00 0.98	100 10	6494.901 6495.041	📦 📦
10	Bench adapter					
	inclination 0.16 m, for EV 86 and EV 86Q	0.42	3.70	100	5406.010	📦
	inclination 0.25 m, for EV 100 and EV 104	0.34	3.40	100	5406.015	📦
	inclination 0.33 m, for EV 100 and EV 104	0.26	3.05	100	5406.020	🕒
11	Seat support with rosette for bottom rows	0.34	4.00	300	5619.000	🕒
12	Tip-up seat, black UV-protected and flame-retardant	0.48 x 0.42	3.20	60	5515.001	📦
13	Aluminium frame for tip-up seats					
	suitable for all inclinations, for EV 100	1.50 x 0.43	7.40	50	5517.150	🕒
		2.00 x 0.43	9.40	50	5517.200	🕒
	suitable for all inclinations, for EV 86, EV 86Q and EV 104	1.57 x 0.43	7.60	50	5517.157	🕒
	suitable for all inclinations, for EV 86 and EV 104	2.07 x 0.43	9.70	50	5517.207	📦
	suitable for all inclinations, for EV 86Q	2.50 x 0.43 2.57 x 0.43	11.60 11.80	50 50	5517.250 5517.257	🕒 🕒
14	Adapter with spigot	0.17	2.76	150	5521.001	📦
15	Adapter with rosette for lowest stand row	0.26	3.51	150	5521.002	🕒
16	Standard 0.92 m with adapter for guardrail mounting	0.92	7.80	50	5521.003	🕒
17	Standard 1.18 m with adapter for guardrail mounting at the lowest stand row	1.18	7.90	50	5521.004	🕒
18	Intermediate step for stands with tip-up seats ^{NEW} step width 0.43 m	1.57 x 0.12	13.24	10	5402.132	🕒
		1.57 x 0.16	13.74	10	5402.134	🕒
		2.07 x 0.12	16.83	10	5402.136	🕒
		2.07 x 0.16	17.33	10	5402.138	🕒

Stand roof

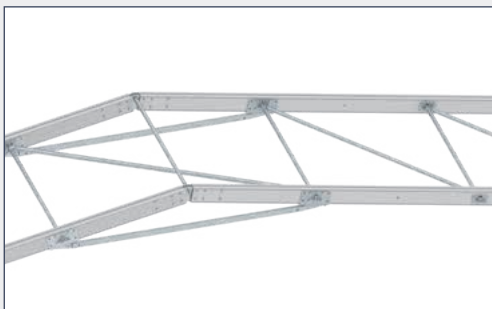


The **Layher stand roof** protects the audience from sun and rain.



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 tarpaulins.

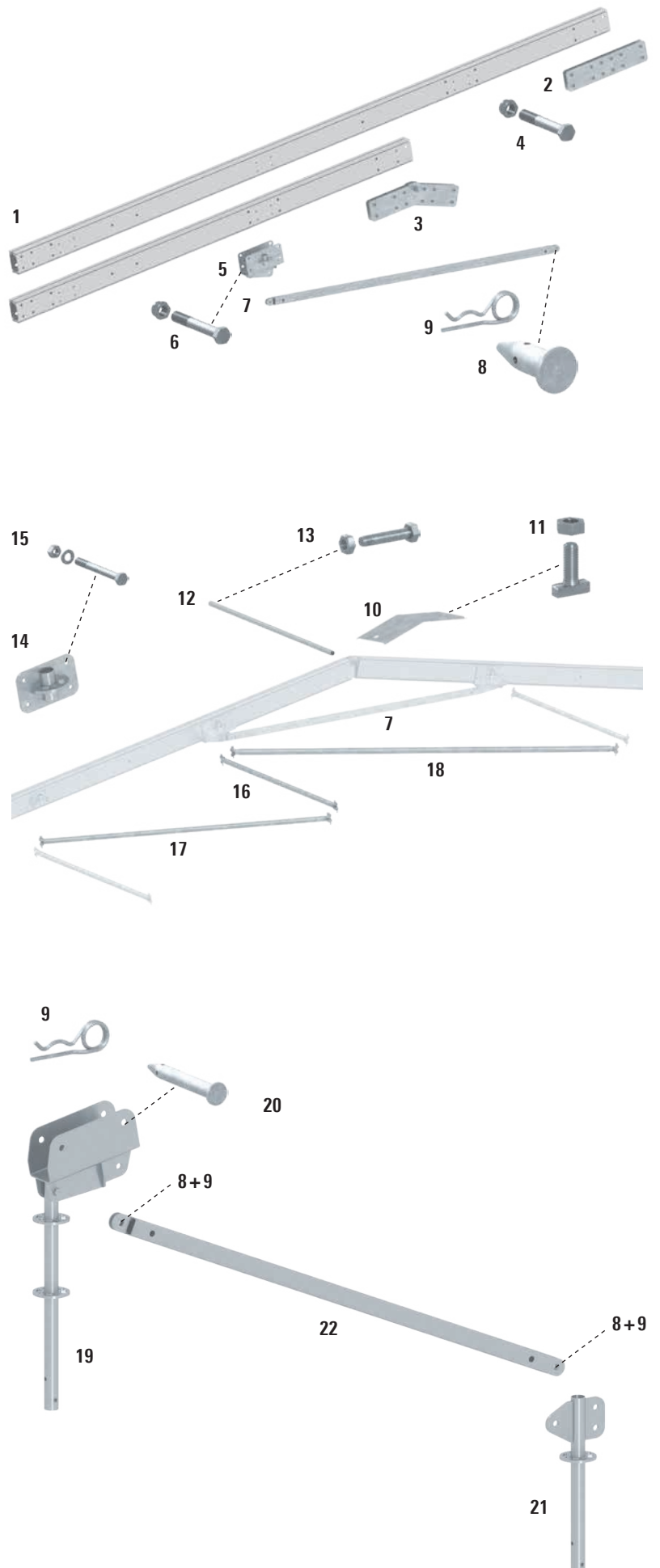
The keder rails are extended with the **keder rail connector 2**, and the **ridge connector 3** is used to form the roof ridge with $2 \times 11^\circ$. For the assemblies mounted on the ground, the elements are fastened with **hexagonal bolts 4** and **6**. The pre-assembled sections are connected at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



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

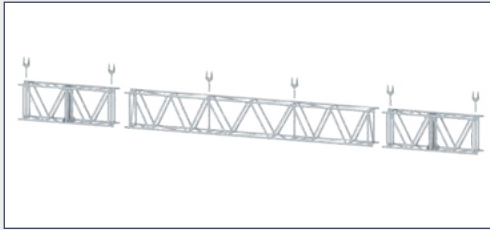


With the help of the **support and bracing elements 19** to **22**, the stand roof can be placed on a pre-assembled stand back wall (2.07 m wide) in a bending-stiff way.

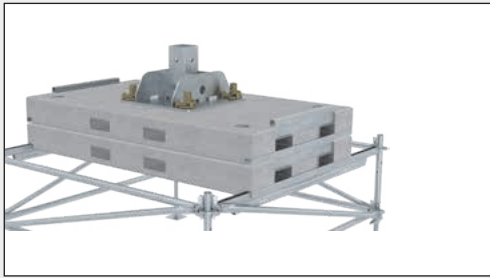


Pos.	Description	WS [mm]	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	
1	Keder rail 9000		4.00	45.84	50	5411.004	⊕
			6.00	65.80	50	5411.006	⊕
			8.00	87.68	50	5411.008	⊕
2	Keder rail connector		0.80	19.62	20	5411.010	⊕
3	Ridge connector		0.90	21.00	20	5411.011	⊕
4	Hexagonal bolt M20 x 140 with securing nut			11.50	25	5411.093	⊕
5	Bearing with FW system connector		0.25	11.05	12	5411.022	⊕
6	Hexagonal bolt M20 x 150 with securing nut			12.07	25	5411.094	⊕
7	Ridge strut		2.85	20.94	20	5411.012	⊕
8	Bolt 20 x 66			1.61	10	2646.221	📦
9	Safety clip d=4 mm			1.50	50	5905.002	📦
10	Ridge cover sheet		0.25 x 0.105	0.16	500	5411.013	⊕
11	Captive bolt for keder rail M12 x 40, with nut			5.00	50	4206.003	📦
12	Ridge tube for 2.07 truss spacing		2.00	6.83	50	5411.046	⊕
13	Special bolt M12 x 60 with nut	19		4.00	50	4905.062	
14	Rosette adapter		0.20	1.98	150	5411.026	⊕
15	Hexagonal bolt M12 x 140 with nut and washer			8.15	50	5411.092	⊕
16	O-ledger LW		1.95	6.84	50	5411.042	⊕
17	O-ledger LW horizontal diagonal		2.80	9.52	50	5411.043	⊕
18	Ridge horizontal diagonal brace for 2.07 m truss spacing		3.56	15.18	50	5411.044	⊕
19	Bearing with standard		0.90	14.56	10	5411.020	⊕
20	Bolt 20 x 167			2.70	6	5411.091	⊕
21	Stand roof standard with FW system connector		0.60	5.32	28	5411.024	⊕
22	FW System chord		2.07	13.90	20	2646.207	📦

Stand roof



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.

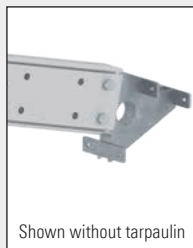


The **roof supports 5** are supported on specially designed **ballast elements 10**. These system ballast elements can be placed directly on the Allround scaffolding to ensure positioning and alignment. For the tension-resistant connection of the prop to the ballast, **bridging system diagonal rods 9** 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.



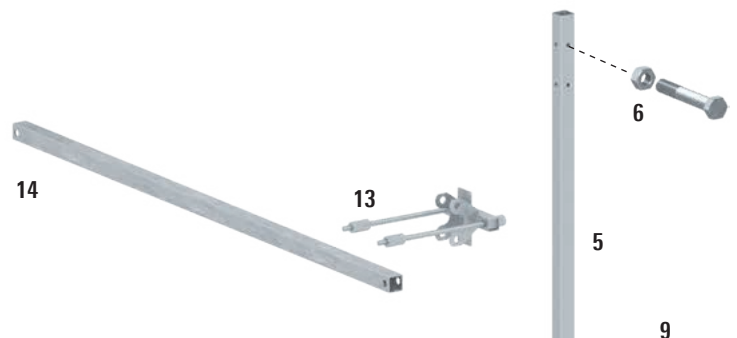
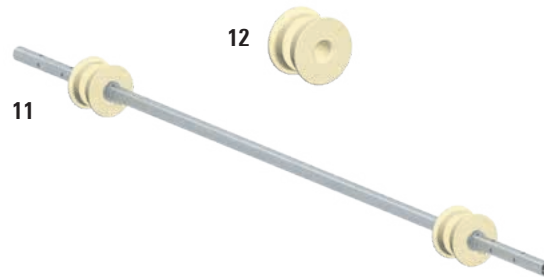
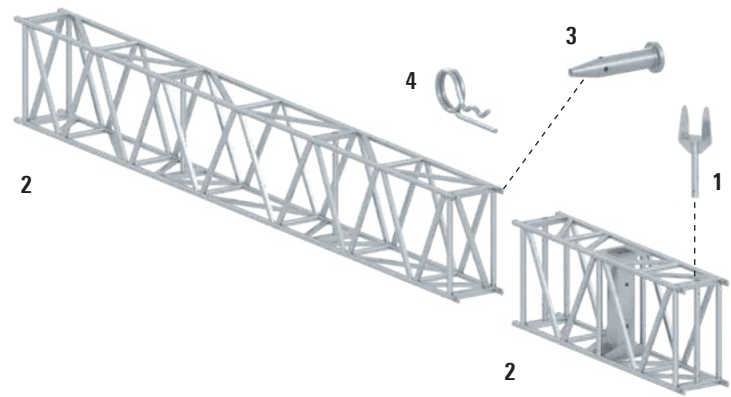
Shown without tarpaulin

The **K9000 tarpaulin tensioners 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).

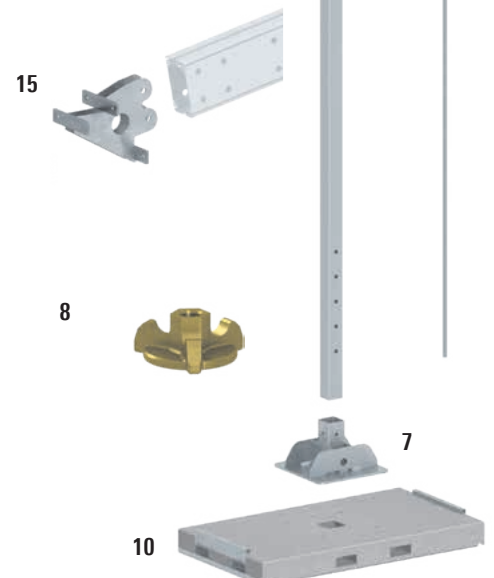


Shown without tarpaulin

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.

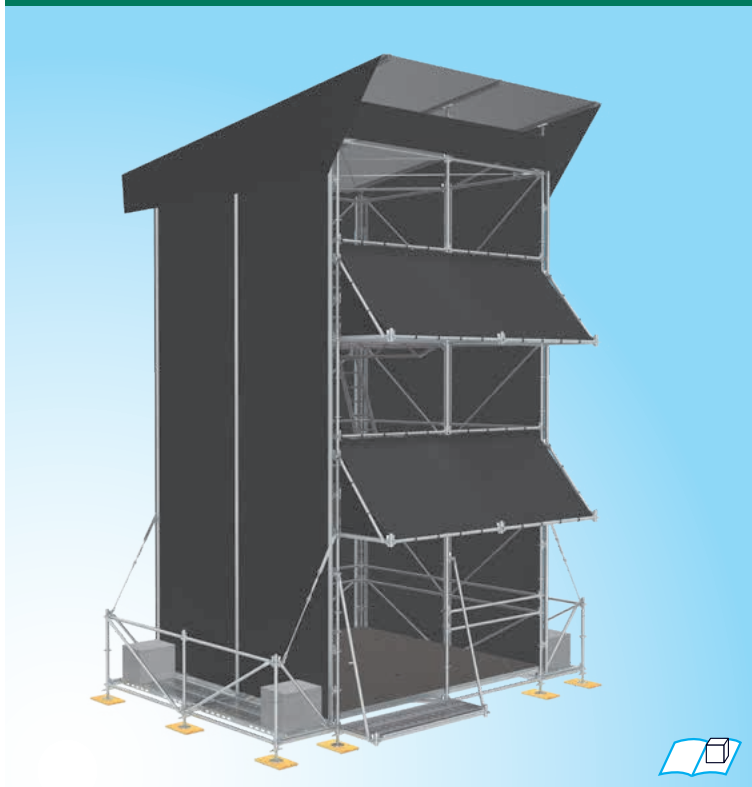


Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	
1	Fork with tube connector	0.49	4.26	20	5411.028	⊕
2	Steel truss 0.40 x 0.80 m	2.23	170.33	2	5411.060	⊕
		6.00	285.83	2	5411.066	⊕
3	Bolt 15.8 x 80		0.70	4	5550.003	⊕
4	Safety pin d=2.8 mm		0.50	50	4905.002	
5	Roof support 0.14 x 0.14 m drilled	7.50	257.00	5	5411.087	⊕
6	Hexagonal bolt M30 x 200 with nut		7.60	5	5411.096	⊕
7	Grandstand roof holder for roof support	0.68	111.00	2	5411.080	⊕
8	Plate nut	0.13	1.53	250	5411.099	⊕
9	Bridging system diagonal rod for 2.07 m bay length	3.05	7.90	75	2671.030	⊕
10	Concrete ballast element	2.13 x 1.20 x 0.20	1250.00	1	5411.100	⊕
11	Set for tarpaulin insertion K9000	3.00	6.00	50	5411.110	⊕
12	Castor for tarpaulin pulling K9000 d=175 mm		0.40	1	5411.111	⊕
13	Tarpaulin tensioner K9000	0.44 x 0.23	4.32	50	5411.130	⊕
14	Tensioning tube for 2.07 m panel	1.93	3.73	50	5411.135	⊕
15	Gutter bracket K9000	0.32 x 0.28	5.10	50	5411.120	⊕

WS = wrench size PU = packaging unit ⊕ = available ex works ⊕ = delivery time on request ⊕ = only available in this packaging unit ⊕ = the approval process is not yet completed ⊕ = Layher Individual possible
 ⊕ = new in the catalogue

FOH TOWER

TOWERS FOR EVERY EVENT IN MODULAR DESIGN



The Layher FOH Tower kit system provides you with the right solution for your Front-Of-House applications. To meet the most frequently encountered requirements, a total of 12 FOH Tower complete KITS are available.

ONE SYSTEM – MANY VARIANTS

The kit system and Layher's flexible Allround equipment offers an impressive variability.

Whether it's a 2 or 3 bay width, with or without a projecting roof and entrance, with 1, 2 or 3 storeys. The Layher FOH Tower kit system means more possibilities. Typical for Layher!

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.
- ▶ Two inspection books available: 4.14 m x 4.14 m (4x4) and 6.21 m x 4.14 m (6x4).

VIDEO WALL



To give all of the audience a closer look at the performers at major open-air concerts, and also because the broadcasting of major sporting events like the FIFA World Cup is increasingly evolving into a spectacle for the entire public, LED video screens have now become essential.

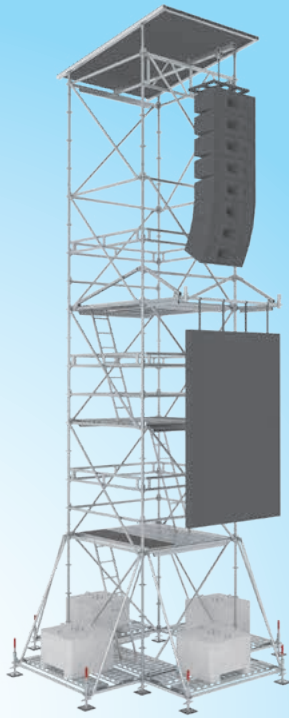
But since not every concert and not every fan community makes the same demands of a video screen, and the LED displays made up of several panels can be flexibly adjusted in size to suit actual needs, Layher has designed its video wall system for easy adaptation to requirements on the spot.

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.

PA TOWER PLUS

SIDE STAGES



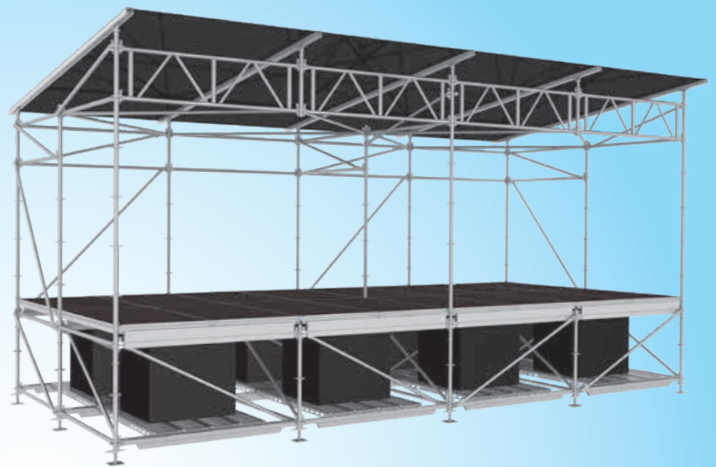
Compared with one-off solutions devised for specific projects, the PA Tower PLUS is not only quick to deliver due to the use of Allround standard components, and efficient to assemble.

Depending on requirements, more than 300 pre-configured variants in various heights and widths are possible with the Allround construction kit. An extensive structural report is available for all these variants.

The applications range from classic loudspeaker towers and camera / directing towers to towers for lighting or advertising.

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.

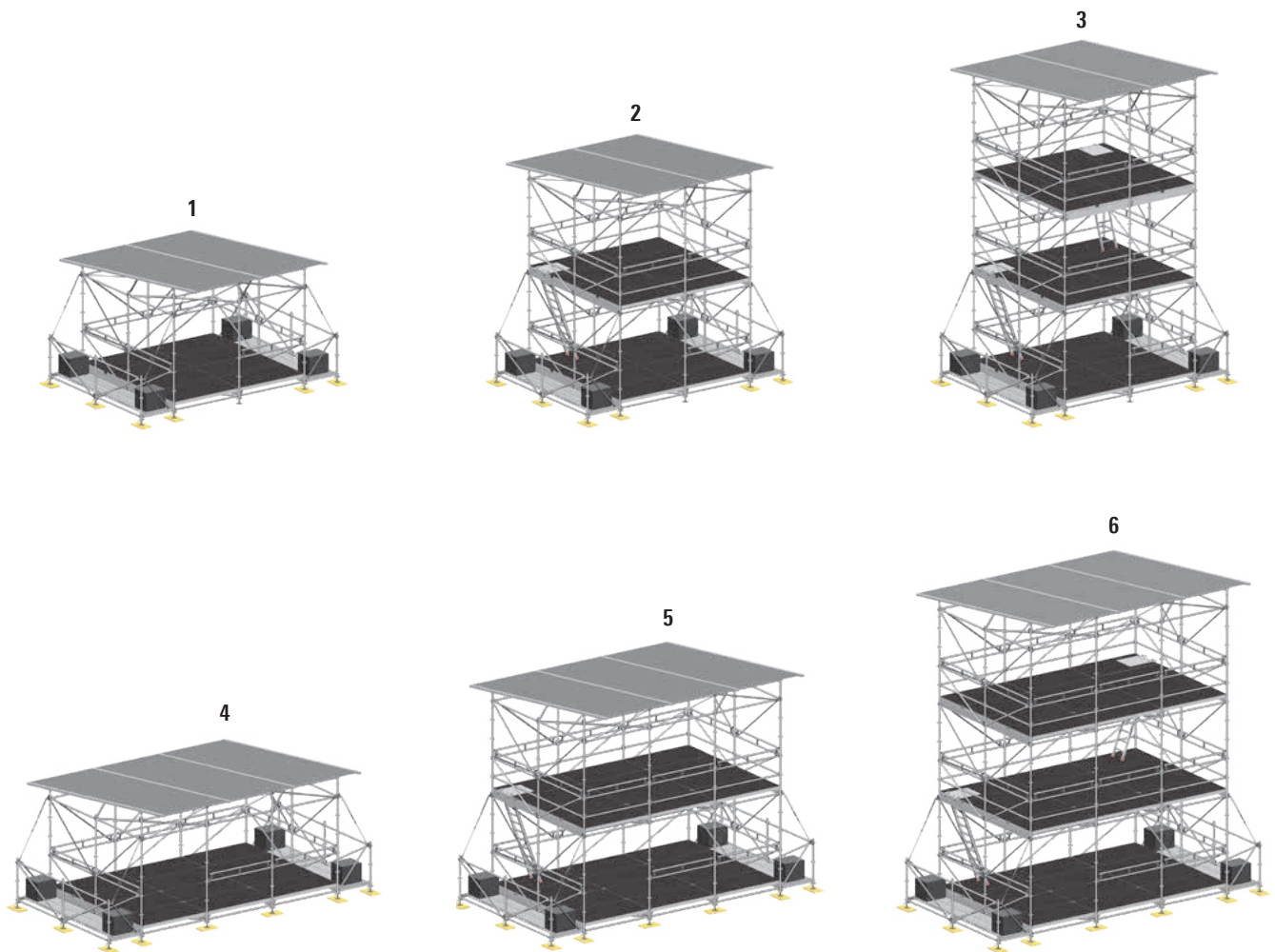


Structural strength calculations and inspection books for smaller open-air stages and mobile stages usually ignore a technical area positioned at the side or behind the stage floor. This technical area is needed for preparing and storing technical equipment and instruments. Unlike expensive one-off solutions, side attachments for stages using Allround Scaffolding are considerably faster to build, making them more economical too.

To assist its clients even during the planning phase, Layher has verified the stability for a range of different configurations.

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.



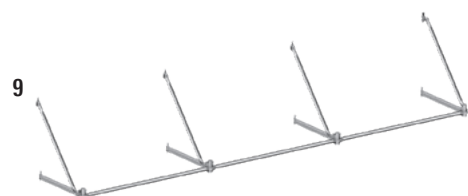
The Layher FOH Towers are of modular design in a kit system. To add a further storey to your FOH tower, it's only necessary to adjust the number of parts, but not their type. The optionally available projecting roofs and the optional entrance steps can be easily mounted if required.



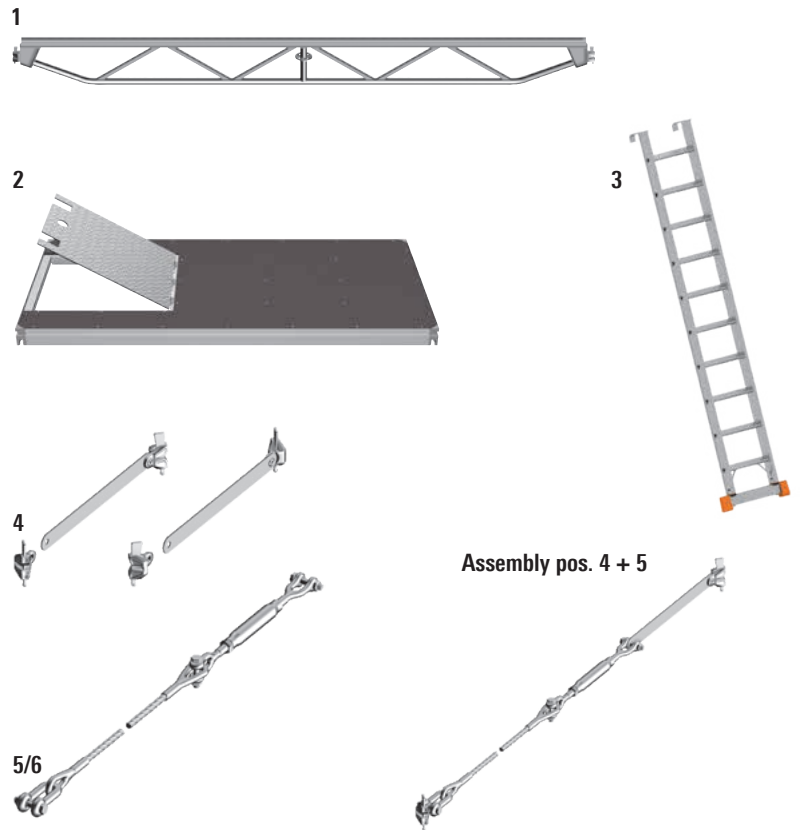
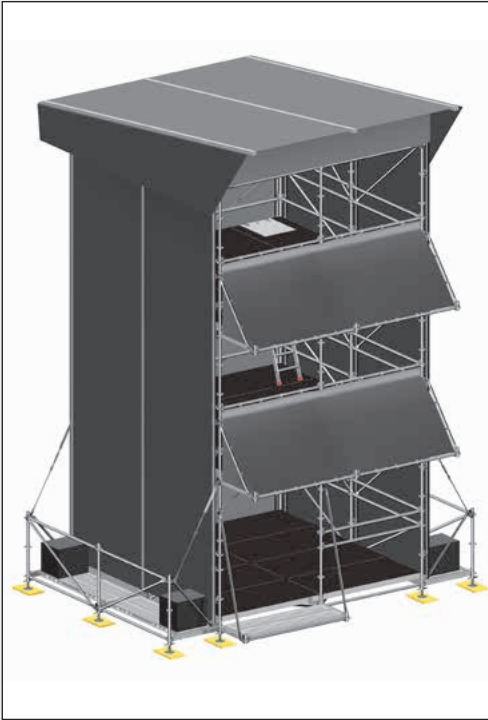
For all the shown variants of the FOH tower, an inspection book is available. See page 7.

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	4.00 x 4.00
	Wall covering for FOH tower 1a	
1b	FOH Tower with 1 storey including roof tarpaulins	4.14 x 4.14
	Wall covering for FOH tower 1b	
2a	FOH Tower with 2 storeys including roof tarpaulins	4.00 x 4.00
	Wall covering for FOH tower 2a	
2b	FOH Tower with 2 storeys including roof tarpaulins	4.14 x 4.14
	Wall covering for FOH tower 2b	
3a	FOH Tower with 3 storeys including roof tarpaulins	4.00 x 4.00
	Wall covering for FOH tower 3a	
3b	FOH Tower with 3 storeys including roof tarpaulins	4.14 x 4.14
	Wall covering for FOH tower 3b	
4a	FOH Tower with 1 storey including roof tarpaulins	6.00 x 4.00
	Wall covering for FOH tower 4a	
4b	FOH Tower with 1 storey including roof tarpaulins	6.21 x 4.14
	Wall covering for FOH tower 4b	
5a	FOH Tower with 2 storeys including roof tarpaulins	6.00 x 4.00
	Wall covering for FOH tower 5a	
5b	FOH Tower with 2 storeys including roof tarpaulins	6.21 x 4.14
	Wall covering for FOH tower 5b	
6a	FOH Tower with 3 storeys including roof tarpaulins	6.00 x 4.00
	Wall covering for FOH tower 6a	
6b	FOH Tower with 3 storeys including roof tarpaulins	6.21 x 4.14
	Wall covering for FOH tower 6b	
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



Roof and wall cladding

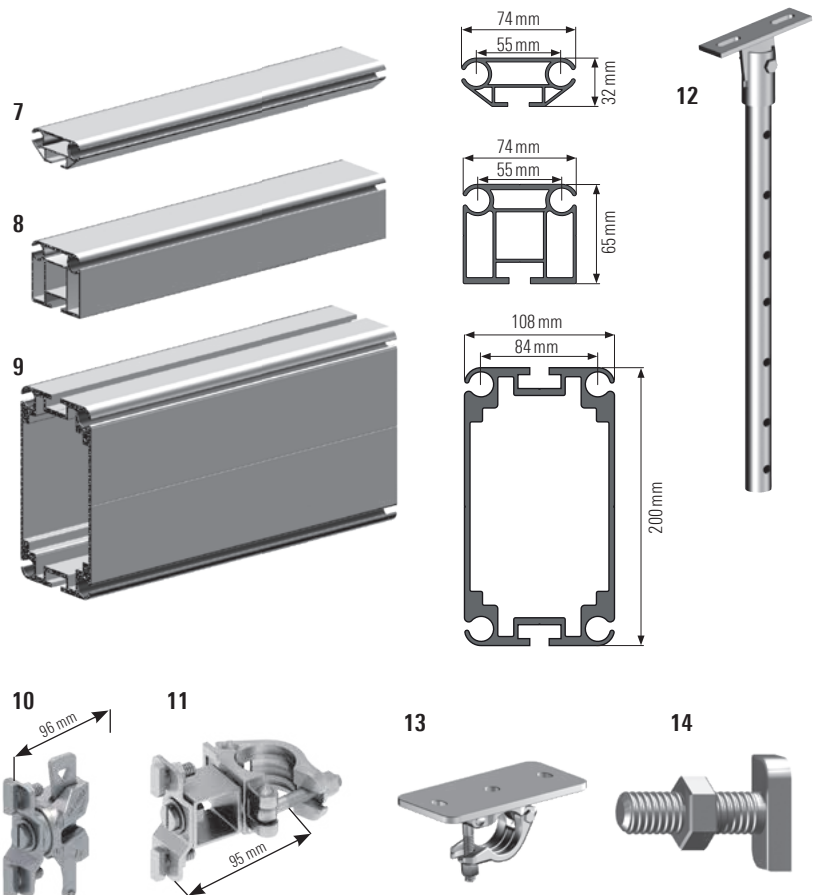
The proven **keder rail 2000 7**. Known for its low weight. Ideal for lightweight applications, particularly for wall coverings and scaffolding covers.

The **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 **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.

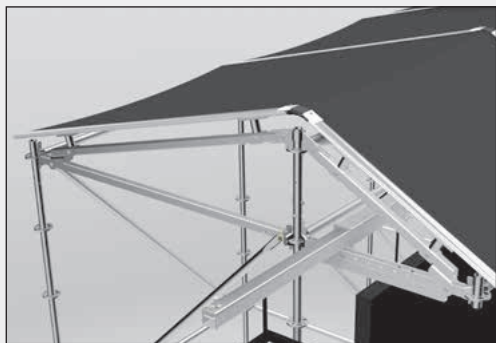
The **keder rails 7, 8** and **9** are suitable for keder tarpaulins with a keder of 13 mm.

When using the **keder rails 7** and **8**, standard tarpaulins from the protective system range can be used. When using the **keder rail 8**, 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 [pcs.]	Ref. No.	
1	FOH beam						
	for EV 100		4.00	38.10	20	5573.010	
	for EV 104		4.14	38.60	20	5573.011	
2	Event access deck T16						
	with aluminium hatch, for EV 86		0.86 x 2.07	33.90	10	5402.221	
	with aluminium hatch, for EV 100		1.00 x 2.00	36.30	10	5402.222	
	with aluminium hatch, for EV 104		1.04 x 2.07	38.00	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 x 0.45	7.70	10	5573.021	
4	FOH rope holder set 4 parts, for connection of the ballast bays, for EV 100 and EV 104			2.70	100	5573.002	
5	Rope fastener for ballast bays, for EV 100 and EV 104		1.22	1.30	10	5573.005	
6	Rope fastener, for roof stiffening						
	as HD 4.00 x 4.00 m, for EV 100 and EV 104		5.57	7.50	10	5573.003	
	as HD 4.14 x 4.14 m, for EV 100 and EV 104		5.77	7.60	10	5573.004	
7	Aluminium keder rail 2000		1.30	1.95	50	4201.130	
			2.00	3.00	50	4201.200	
			2.25	3.30	50	4201.220	
			2.50	3.80	50	4201.250	
			3.00	4.50	50	4201.300	
			4.00	6.00	50	4201.400	
			6.00	9.00	50	4201.600	
8	Aluminium keder rail 3000		2.00	6.10	20	5574.200	
			3.00	9.20	20	5574.300	
			4.00	12.20	50	5574.400	
			5.00	15.30	20	5574.500	
			6.00	18.30	50	5574.600	
9	Aluminium keder rail 9000		5.00	54.80	10	5577.500	
			6.00	65.80	20	5577.600	
			9.00	98.65	10	5577.900	
10	Keder rail holder with wedge head rotatable, incl. 2 captive bolts		0.10	0.88	25	5573.000	
11	Keder rail holder with half-coupler rotatable, incl. 2 captive bolts	19	0.16	1.00	25	5573.006	
12	Hinged attachment for Event roof		0.70	3.40	100	5573.001	
13	Half-coupler with plate	19	0.20 x 0.10	2.10	100	5573.030	
14	Captive bolt for keder rail						
	M12 x 40, with nut			5.00	50	4206.003	
	M12 x 25, with nut			4.30	50	4206.004	

Video wall system



Product advantages:

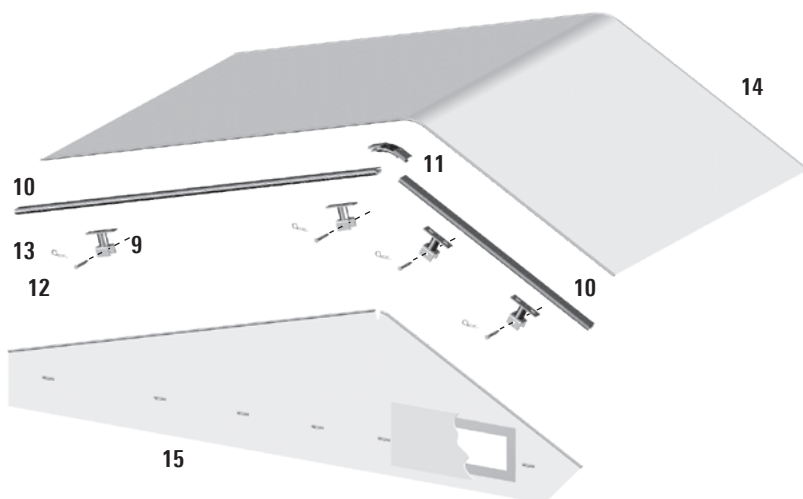
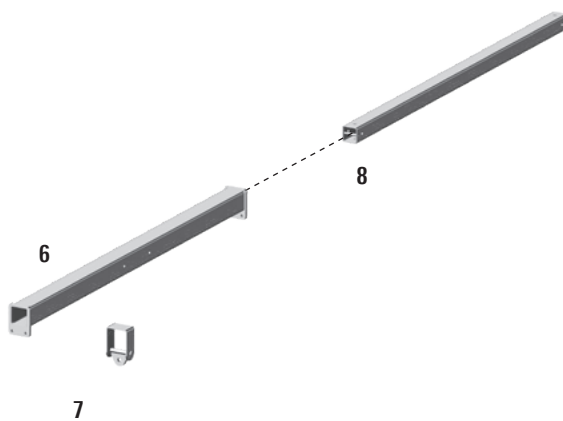
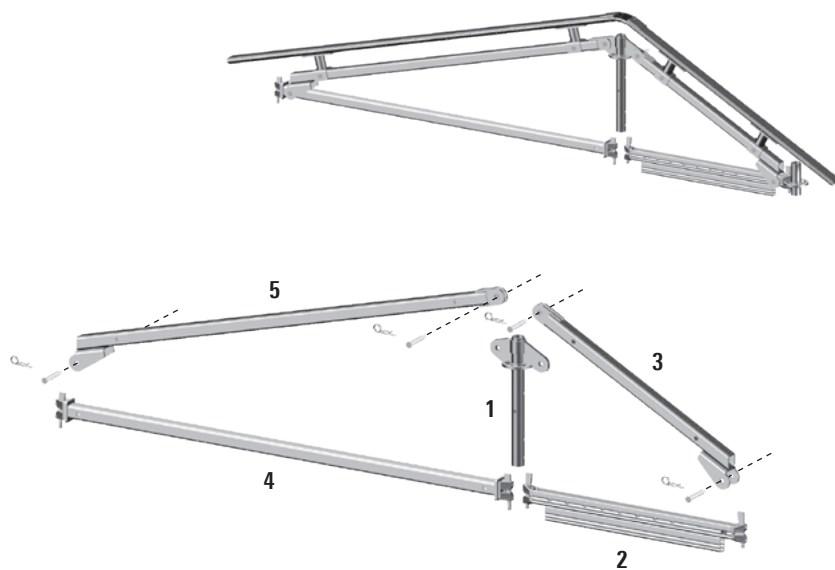
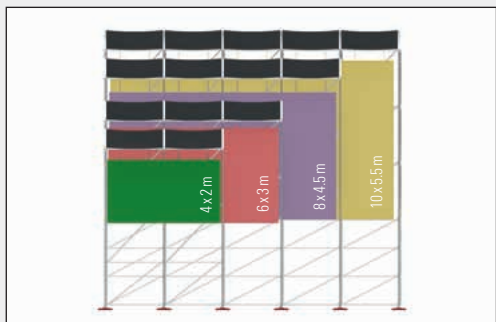
- ▶ Modular design based on Layher Allround Scaffolding
- ▶ Manual assembly
- ▶ Economical to assemble thanks to wedge and pin connections
- ▶ Low transport volume
- ▶ Expandable with additional functions
- ▶ Roofing
- ▶ Enclosure
- ▶ Table / podium
- ▶ Projecting arm for PA

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** and **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** and **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 7.



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 [pcs.]	Ref. No.		
1	Video wall standard, 0.50 m	0.50	4.46	100	5435.050		
2	Video wall U-ledger	1.00	6.20	50	5435.100		
		1.04	6.32	50	5435.104		
3	Video wall diagonal brace, square tube, short for video wall U-ledger 1.00 and 1.04 m	1.01	7.07	100	5435.030		
4	Video wall ledger, square tube	2.00	12.44	50	5435.201		
		2.07	12.84	50	5435.208		
5	Video wall diagonal brace, square tube, long for video wall ledger 2.00 and 2.07 m	1.93	12.35	50	5435.035		
6	Load beam	1.00	17.05	10	5435.010		
		1.04	17.60	10	5435.014		
		2.00	32.18	10	5435.020		
		2.07	33.27	10	5435.027		
7	Suspension point	0.10 x 0.10	2.14	200	5435.210		
8	Video wall PA projecting arm	2.00	23.76	20	5435.055		
9	Video Wall keder holder	0.08 x 0.17	1.30	100	5435.215		
10	Aluminium keder rail 2000	1.30	1.95	50	4201.130		
		2.25	3.30	50	4201.220		
11	Aluminium keder bend flexible, short	0.16	0.50	20	4205.004		
12	Video wall pin 16 x 121 mm		0.19	250	5435.310		
13	Safety clip d=4 mm		1.50	50	5905.002		
14	Video wall roof tarpaulin	black	2.00 x 3.68	6.90	10	5435.320	
			2.07 x 3.68	7.20	10	5435.327	
		white	2.00 x 3.68	6.90	10	5435.321	
			2.07 x 3.68	7.20	10	5435.328	
15	Video wall gable tarpaulin	black	3.45 x 0.90	2.70	10	5435.330	
		white	3.45 x 0.90	2.70	10	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 pre-configured variants in various heights and widths are possible.



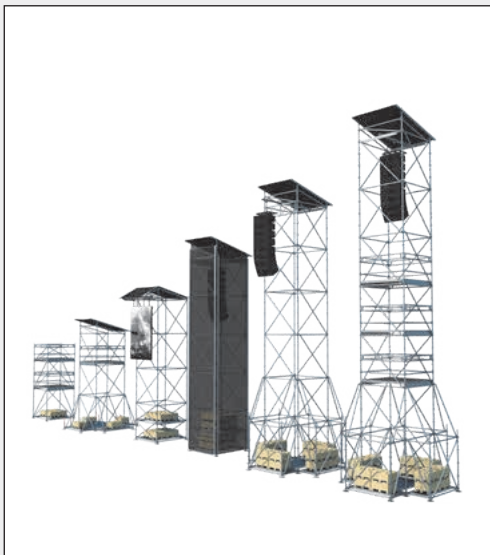
An extensive structural report is available for all these variants.

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.

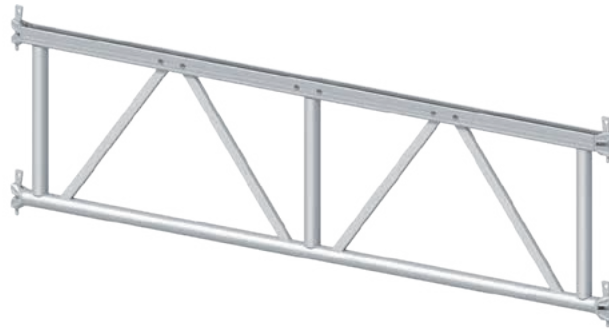
Roofs and enclosures using tarpaulins or the Protect System that quickly fits onto Allround Scaffolding cater to every requirement.

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.

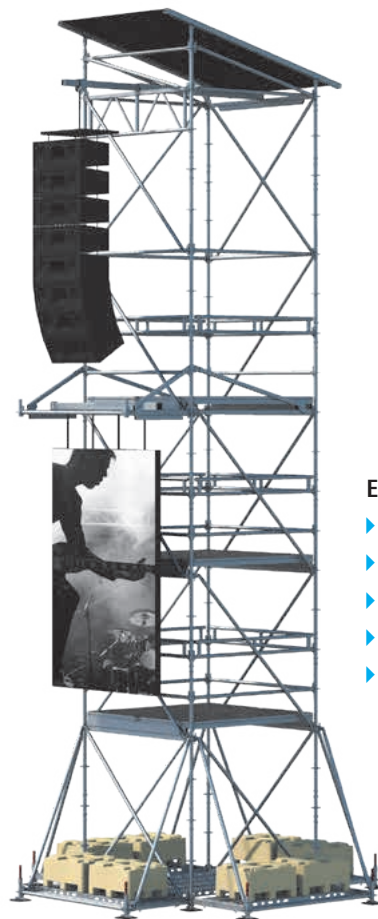
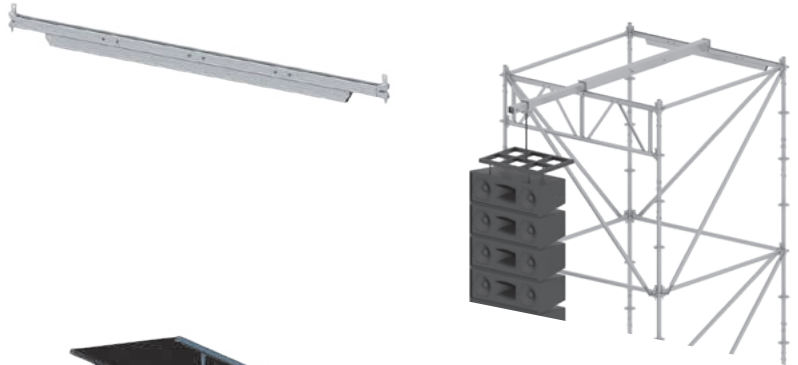
This means that time-consuming and cost-intensive structural analyses for individual towers are no longer needed, considerably reducing the project handling workload.



1



2



Example for use:

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



Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	PA Tower PLUS U-lattice beam	2.00	20.90	40	5436.200
		2.07	21.40	40	5436.207
2	PA Tower PLUS U-ledger	2.00	12.50	50	5435.200
		2.07	12.70	50	5435.207

WS = wrench size PU = packaging unit = available ex works = delivery time on request = only available in this packaging unit = the approval process is not yet completed = Layher Individual possible
 = new in the catalogue

LAYHER STEEL TRUSS SYSTEMS

ENORMOUSLY BEARING, HUGE SPANS, FOR DIFFERENT SCOPES OF APPLICATION



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.

Steel Truss System

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:

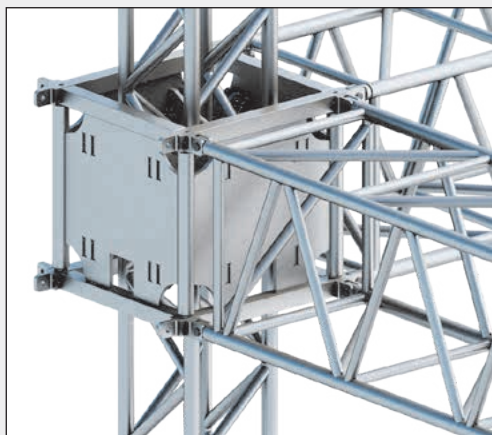
Ground support, advertising panel and cable bridge.

Super Truss

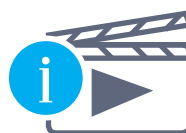
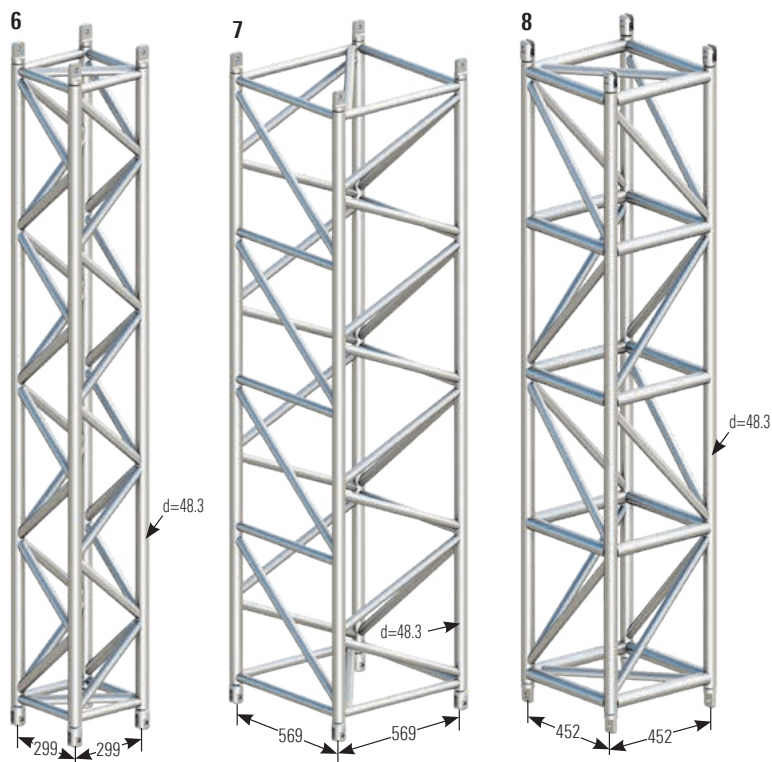
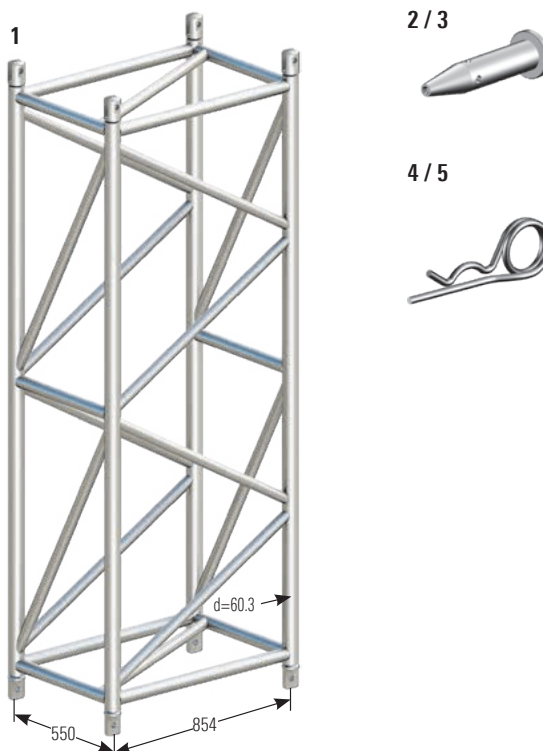
The Super Truss is a very strong transom type, which is usable for roofings as main transom, as ground support, for advertisement signs or cable bridges.

The steel truss elements are connected to one another using bolts 2 / 3 and safety clips 2 / 3. 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.
















Corner elements and sleeve blocks on request.



MORE INFORMATION

Further information about load-bearing capacity can be found in the Layher Info Steel Truss

Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	Super Truss  steel, hot-dip galvanized, axial dimensions 550 x 854 mm, Usable for roofings as main transom, as ground support, for advertisement signs or cable bridges, use with bolt 20 x 100	2.40	149.60	2	5650.240 
		3.00	186.18	2	5650.300 
		4.00	237.38	2	5650.400 
		5.00	289.80	2	5650.500 
		5.50	323.13	2	5650.550 
2	Bolt 15.8 x 80		0.70	4 	5550.003 
3	Bolt 20 x 100		1.30	4 	5550.004 
4	Safety clip d=2.8 mm		0.50	50 	4905.002
5	Safety clip d=4 mm		1.50	50 	5905.002 

ON REQUEST

Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	Weight per metre approx. [kg]	Ref. No.
6	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	
		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	
7	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	
		0.50	33.00	66.00	
		1.00	53.40	53.40	
		2.07	91.00	44.00	
		2.40	99.20	41.30	
		3.00	120.00	40.00	
		4.00	156.90	39.20	
		5.00	191.00	38.20	
8	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	
		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	

A		F		O	
Adapter with rosette	25	FOH beam	35	O-ledger LW	13, 17, 27
Adapter with spigot	25	FOH entrance	33	horizontal diagonal	27
Allround Scaffolding	12	FOH projecting roof	33	horizontal-diagonal, steel	13
Allround wedge	25	FOH rope holder set	35	P	
Aluminium frame for tip-up seats	25	FOH Tower	33	PA Tower PLUS	
Aluminium keder bend flexible, short	37	Fork with tube connector	29	U-lattice beam	38
Aluminium keder rail		FW System chord	27	U-ledger	38
2000	35, 37	G		Plastic corner	15
3000	35	Grandstand roof holder for roof support	29	Plate nut	29
9000	35	Guardrail for modular stairway	17	Plug	25
Assembly-Set for 20 bucket seats	25	Guardrail post	23	R	
B		for podium	17	Ridge connector	27
Base beam	19	for stand	23	Ridge cover sheet	27
Base collar	13	Guardrail standard	23	Ridge horizontal diagonal brace	27
Base collar 0.26 m	17	Guardrail with child safety feature T12	17	Ridge strut	27
Base plate		Gutter bracket K9000	29	Ridge tube	27
20	13	H		Roof support 0.14 x 0.14 m	29
60	13	Half-coupler	35	Rope fastener	35
type 1	19	Handrail T13	17	for roof stiffening	35
type 2	19	Hexagonal bolt		Rosette adapter	27
Bearing with FW system connector	27	M12 x 140	27	Rubber pad for base plate	13
Bearing with standard	27	M20 x 140	27	S	
Bench	25	M20 x 150	27	Safety clip	
adapter	25	M30 x 200	29	d=2.8 mm	41
end	25	Hinged attachment for Event roof	35	d=4 mm	27, 37, 41
with holes	25	I		Safety pin d=2.8 mm	29
Bolt		Inspection book	7	Seat support with rosette	25
15.8 x 80	29, 41	for Event Podium	7	Set for tarpaulin insertion K9000	29
20 x 100	41	for Event Stand	7	Side guardrail T12	23
20 x 167	27	for FOH Tower	7	Single step ladder	35
20 x 66	27	for PA Tower PLUS	7	Special bolt	19
M10 x 70	23	for video wall system	7	M12 x 60	27
Bridging system diagonal rod	29	Intermediate step	25	M12 x 60, with nut	13
C		for stands with tip-up seats	25	Spigot	
Captive bolt for keder rail	27, 35	K		d=12 mm with pan-head	13
Castor for tarpaulin pulling K9000	29	Keder rail 9000	27	steel	13
Clamp		Keder rail connector	27	Square half-coupler	15
black	15	Keder rail holder		Stairway guardrail 750	
yellow	15	with wedge head	35	with child safety feature	17
Concrete ballast element	29	with half-coupler	35	Stand element	23
Corner guardrail T12	23	L		Stand roof standard	
D		LayPLAN CAD	6	with FW system connector	27
Diagonal brace LW, steel		Lift-off preventer with bolt	17	Standard	
0.50 m bay height	13	Load beam	37	0.92 m with adapter	25
1.00 m bay height	13	Lock for stand element	23	1.18 m with adapter	25
1.50 m bay height	13	M		Standard for modular stairway	17
2.00 m bay height	13	Maxi Truss	41	Standard lock, 0.50 m	13
E		N		Standard LW	13
Event access deck T16	35	Nova Truss	41	Steel deck support	23
Event deck T16	15	Novanta bucket seat	25	Steel lift-off preventer	23
Event transom	15	Number plate	25	Steel lift-off preventer T19	23
				Steel truss 0.40 x 0.80 m	29
				Stringer for modular stairway	17
				Super Truss	41
				Suspension point	37

T

Tarpaulin tensioner K9000	29
Tension clasp	15
Tensioning tube	29
Tip-up seat, black	25
Tower Truss	41
Transom support	15
Truss-Transom	19
Tube with 4 wedge heads	23

U

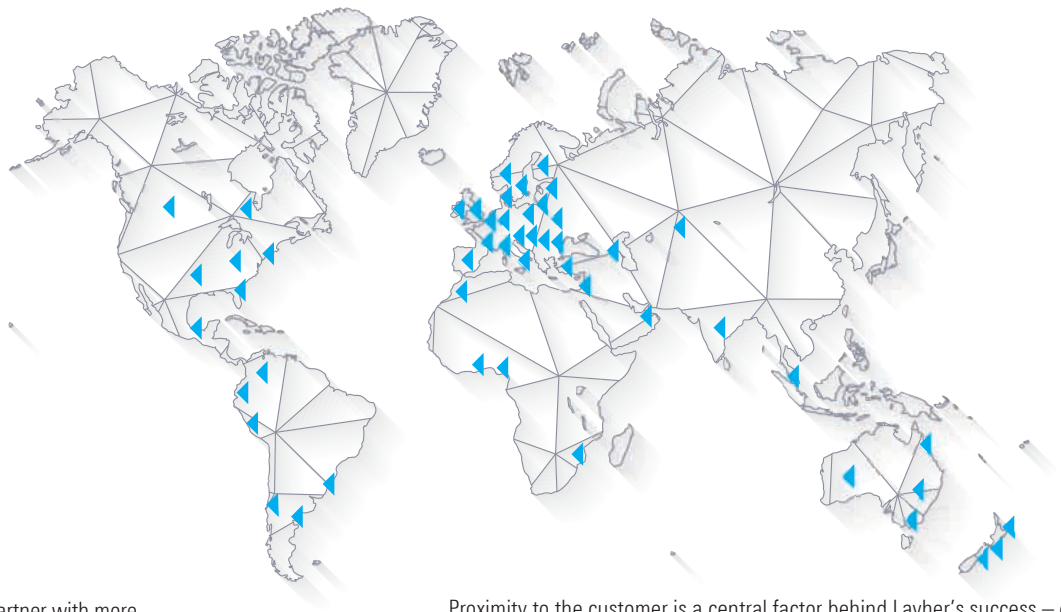
U-ledger reinforced LW T14	13
Universal U-Lift-off preventer	17
U-Stairway stringer 750 with half-coupler	17
U-steel deck LW, 0.32 m wide	13

V

Video wall diagonal brace, square tube, long	37
Video wall diagonal brace, square tube, short	37
Video wall gable tarpaulin	37
Video Wall keder holder	37
Video wall ledger, square tube	37
Video wall PA projecting arm	37
Video wall pin	37
Video wall roof tarpaulin	37
Video wall standard, 0.50 m	37
Video wall U-ledger	37

X

X-Event deck T16	15
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