Layher®

More Possibilities. The Scaffolding System.

LAYHER EVENT SYSTEMS
CATALOGUE

Edition 04.2019
Ref. No. 8111.231

Quality management certified according to DIN EN ISO 9001

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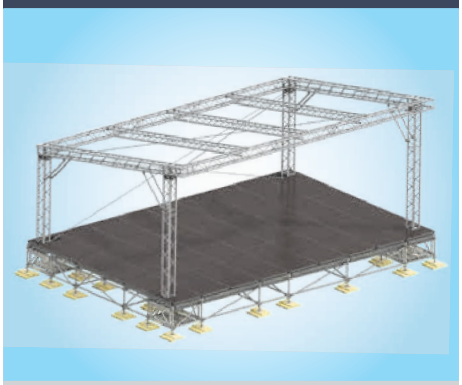

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MIXED REALITY

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. 8102.260
Allround Scaffolding	Ref. No. 8116.256
System-free Accessories	Ref. No. 8103.258
Protective Systems	Ref. No. 8121.258
Event Systems	Ref. No. 8111.231
Access Technology	Ref. No. 8118.230

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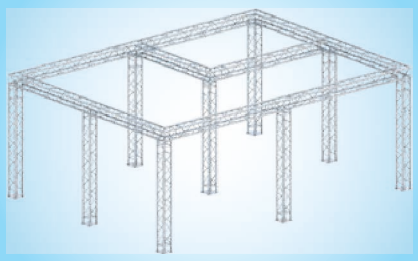


NOTICE

All dimensions and weights are guideline values. Subject to technical modification.

Steel components are galvanized according to EN ISO 1461 and DASt guideline 022. Connection parts are galvanized according to EN ISO 4042.

Our deliveries shall be made exclusively in accordance with our currently 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.

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

HERE IS THE BEATING HEART OF LAYHER.

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, logistics and management 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. This is where our scaffolding systems are created by highly automated production. Short distances and short reaction times mean we can adapt production to suit our customers' requirements, flexibly and at any time.

MORE POSSIBILITIES. THE SCAFFOLDING SYSTEM.

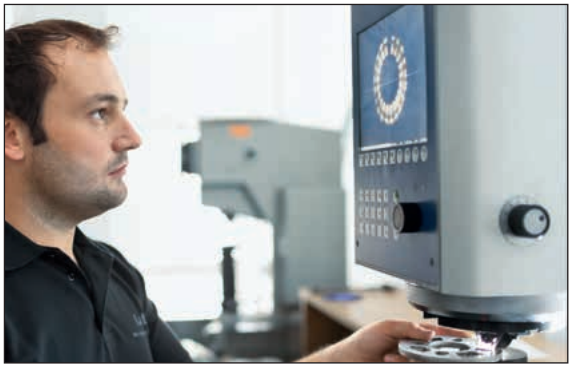
This brand promise made by Layher is the expression of a brand philosophy that we've been living by for over 70 years. More speed, more safety, more proximity, more simplicity and more future: values with which we strengthen our customers' competitiveness in the long term. With our innovative systems and solutions, we're working all the time on making scaffolding construction even simpler, even more economical and, above all, even safer. With comprehensive services, a permanent range of training courses and an ethos of customer focus, more than 1,900 dedicated Layher employees are creating more possibilities for our customers every single day. In 40 countries all over the world.

MORE INFORMATION

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

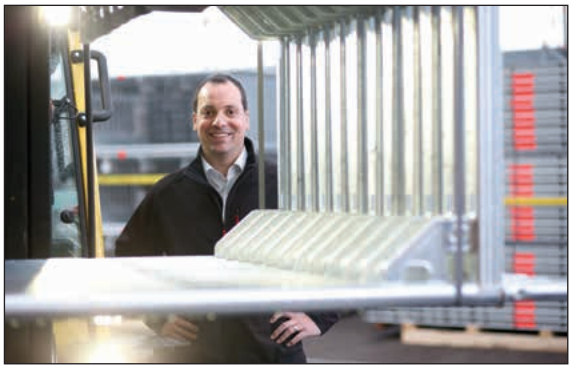
MORE SPEED

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

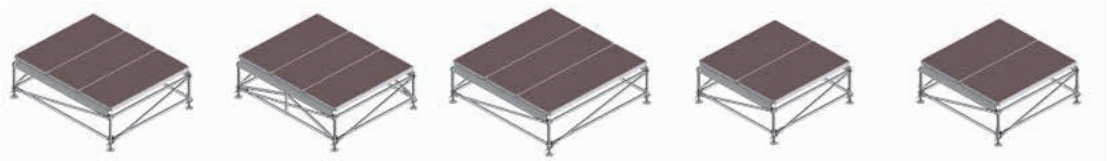
Thanks to permanent product innovations and the improvement of existing parts. By opening up new areas of business. With an integrated system to ensure high profitability and retention of investment value. Through an extensive range of training opportunities and seminars to ensure that customers are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

LAYHER EVENT SYSTEMS

DECISION-MAKING AIDS

LAYHER STAGES

Layher stages 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 stage 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 DIN 4112 is verified by inspection books issued by the competent authority.

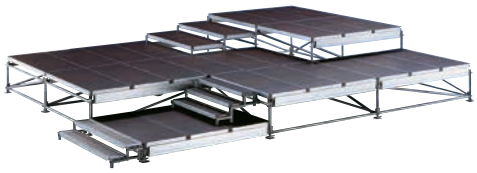


Module	EV 86	EV 86+	EV 86Q	EV 100 Metric*	EV 104
Bay	2.07 x 2.57 m	2.07 x 2.57 m	2.57 x 2.57 m	2.00 x 2.00 m	2.07 x 2.07 m
Deck type	Event deck	Event deck	Event deck	Event deck	Event deck
Deck size	0.86 x 2.07 m	0.86 x 2.07 m	0.86 x 2.57 m	1.00 x 2.00 m	1.04 x 2.07 m
Decks per bay	3	3	3	2	2
Support element	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 / m²	7.5 kN / m²	5.0 kN / m²	7.5 kN / m²	7.5 kN / m²

* 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 German regulations governing public assembly places.



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 [Degree]	11°	16.3°	21.1°	14°	13.6°
Riser angle [%]	19.4 %	29.2 %	38.6 %	24.9 %	24.2 %
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 PODIA

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

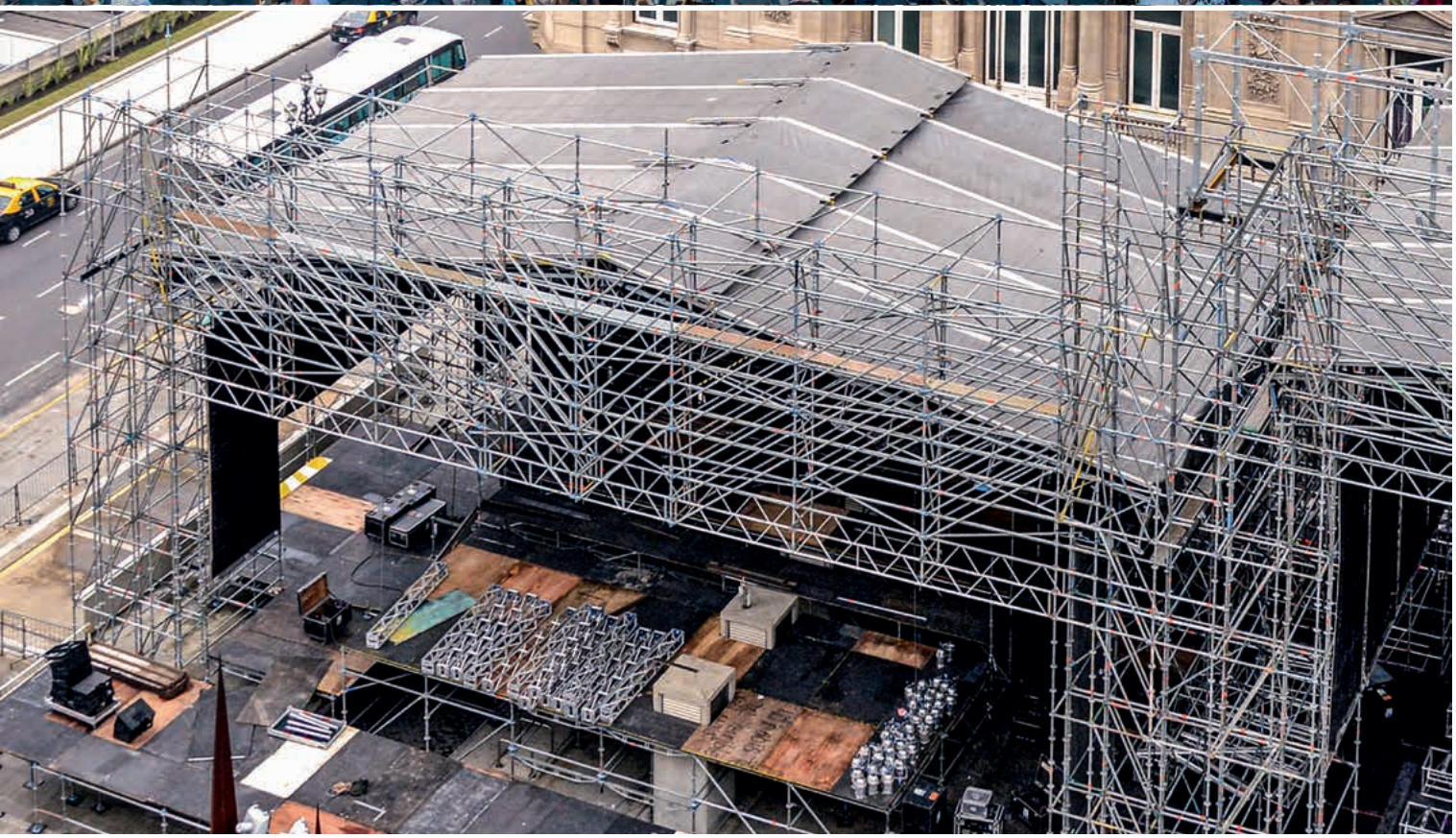
No compromising on site, fulfils requirements in terms of dimension and equipment: Layher Event Stages and Podiums.

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.

YOUR BENEFITS AT A GLANCE

- **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.


ZÜRICH OPENAIR



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

The lowest possible podium height is about 0.35 m, for which **base plates 20 11a** and **base collars short 10a** are used.

For greater heights, **base plates 60 solid 11b, base collars 10b** and **standards 7 or spigots,** in the appropriate length are used.

The **rubber pad 12** minimises slippage of the structure and helps to protect sensitive indoor floors. Inserted between the load-distributing support and the baseplate, it can help in many cases to reduce the amount of ballast.

The **standards 7** are made from hot-dip-galvanized steel tube dia 48.3 mm. The rosettes spaced 0.50 m apart permit the connection of **ledgers 3** and **diagonal braces 1.**

To connect the individual standards, **spigots 4** are used. The latter are fastened in the lower standard using **special bolts M12 x 60 with nut 6.** The upper standard is pinned using **hinged pins 5.** Alternatively, also using **special bolts 6.**

The **standard lock 0.50 m 9** 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 **standard 0.67 m 8a** and the **standard 1.17 m 8b** 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 1.17 m can be extended using **spigots 4.**

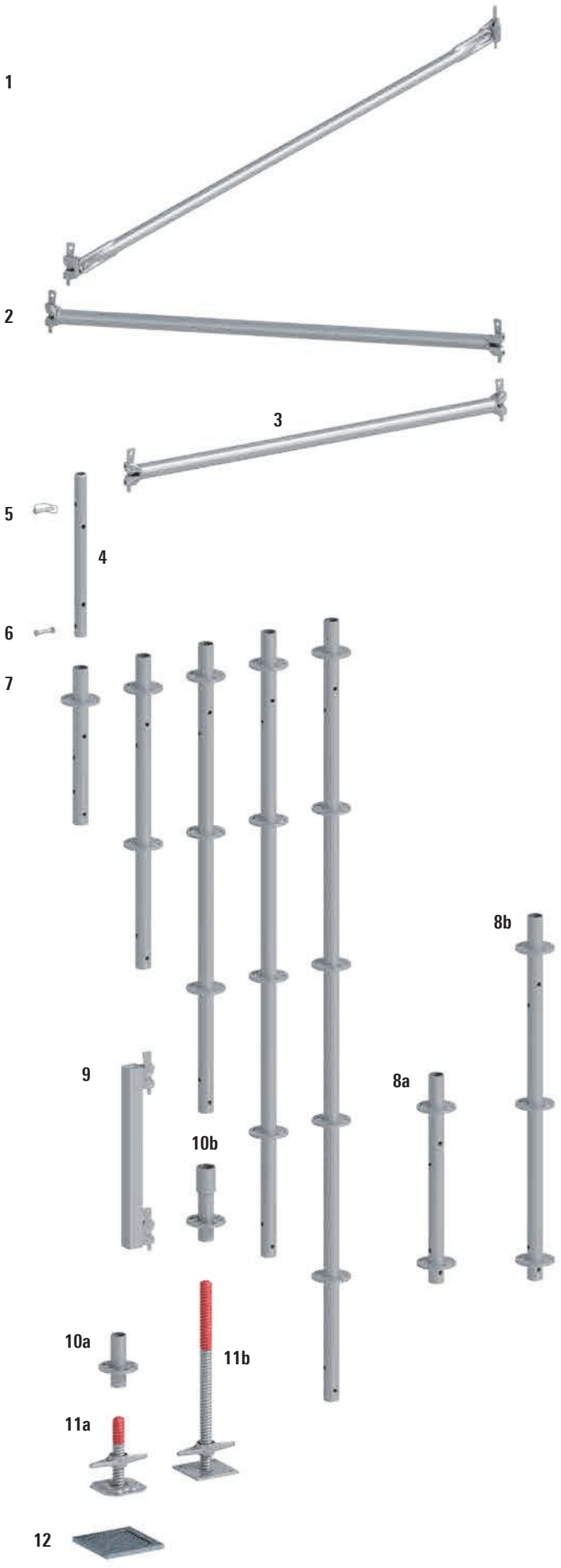
The **O-ledgers 3** with welded wedge heads connect the standards to one another.

The **O-ledgers horizontal-diagonal 2** 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 **diagonal braces 1** with rotatable wedge heads further brace the basic system consisting of standards and ledgers, providing convincingly high connection values.

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



Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**Diagonal brace LW,** steel					
	1.00 m bay length	2.00 m bay height	2.22	7.3	50	**2683.100**
	1.04 m bay length		2.23	7.3	50	**2683.104**
	2.00 m bay length		2.76	8.8	50	**2683.200**
	2.07 m bay length		2.81	8.9	50	**2683.207**
	2.57 m bay length		3.18	10.0	50	**2683.257**
	1.00 m bay length	1.50 m bay height	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**
	1.00 m bay length	1.00 m bay height	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**
	1.00 m bay length	0.50 m bay height	1.03	4.0	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**
2	**O-ledger,** 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	right	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**
3	**O-ledger LW,** steel		0.86	3.3	50	**2601.086**
	with AutoLock function		1.00	3.7	50	**2601.100**
			1.04	3.8	50	**2601.103**
	The ledgers 0.86 m and 1.72 m are used for podiums or stands and correspond		1.72	5.9	50	**2601.172**
	to 1/3 resp. 2/3 of a 2.57 m bay.		2.00	6.8	50	**2601.200**
	The ledger 1.04 m corresponds to a half 2.07 m bay.		2.07	7.0	50	**2601.207**
	The ledger 1.29 m corresponds to a half 2.57 m bay.		2.57	8.5	50	**2601.257**
4	**Spigot,** steel		0.52	1.6	350	**2605.000**
	for standards Ref. No. 2619.xxx and 2604.xxx					
5	**Hinged pin,** dia 12 mm			2.0	20 ▦	**4905.667**
	with pan-head					
6	**Special bolt M12 x 60,** with nut			4.0	50 ▦	**4905.061**
7	**Standard LW,** steel		0.50	2.5	300	**2619.050**
	without spigot		1.00	4.6	28	**2619.100**
	for scaffolding layer		1.50	6.6	28	**2619.150**
			2.00	8.8	28	**2619.200**
			2.50	11.7	28	**2619.250**
			3.00	13.7	28	**2619.300**
8a	**Standard LW,** 0.67 m, with 2 rosettes,		0.67	3.3	200	**2619.066**
	without spigot with integrated base collar					
8b	**Standard LW,** 1.17 m, with 3 rosettes,		1.17	5.5	28	**2619.116**
	without spigot with integrated base collar					
9	**Standard lock,** 0.50 m		0.58	4.0	100	**2603.000**
10a	**Base collar,** short		0.17	1.1	250	**5601.000**
10b	**Base collar**		0.24	1.4	500	**2602.000**
11a	**Base plate 20**		0.20	2.3	200	**5602.020**
	max. spindle travel 10 cm					
11b	**Base plate 60,** solid		0.58	6.7	200	**5602.060**
	max. spindle 41 cm					
12	**Rubber pad for base plate**		0.20 x 0.20	0.4		**4000.500**
	for slip-reduction on solid grounds like concrete, asphalt, stone or					
	timber, protects sensitive deckings from damages					

WS = wrench size **PU** = packaging unit = available ex works = delivery time on request ▦ = only available in this packaging unit

Podium – Basic components

The plywood board of the **Event decks 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 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 kN / m².

The 18 cm high **Event transom 3** made of aluminium section with wedge head connection of galvanised 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 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.

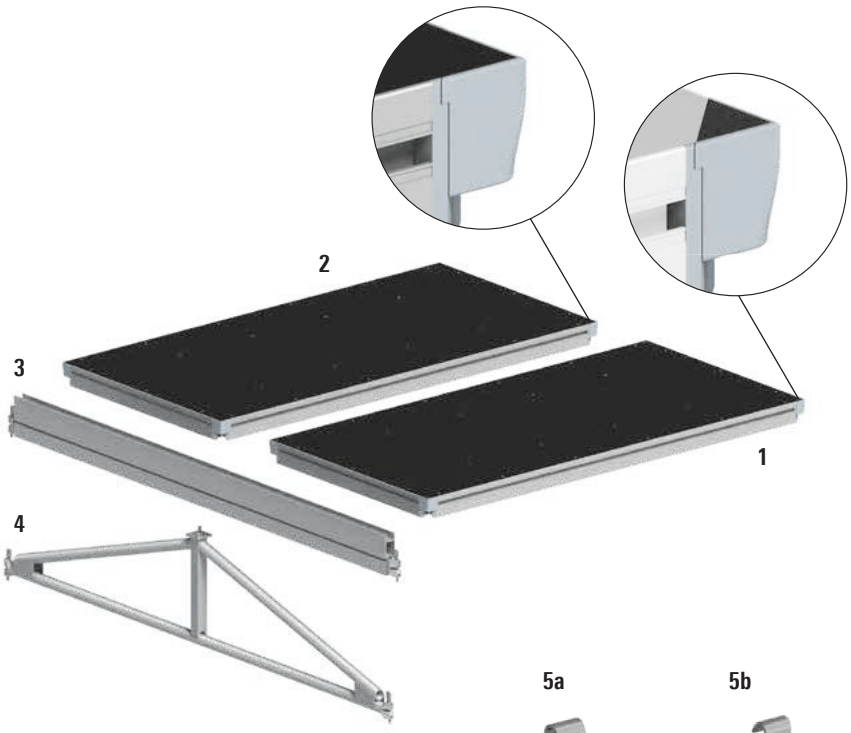
A gap-free podium surface is assured by a shift preventer at the edge of the podium assembled using **square half coupler 6.**

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

The Event decks are supplied with plastic corners fitted. The matching **plastic corners 8** 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

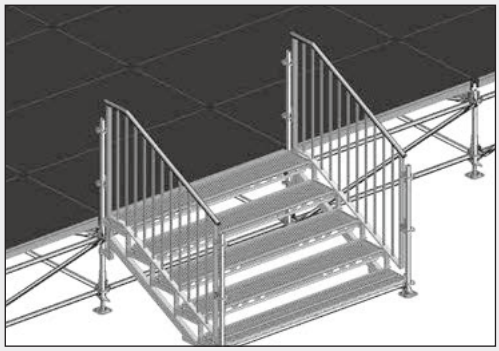


Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	Usable			
						EV 86	EV 86Q	EV 100	EV 104
1	**Event deck T16** aluminium frame, coated plywood, detachable plastic corners	0.86 x 1.04	16.9	10	**5402.201**	▶			
		0.86 x 2.07	30.2	10	**5402.202**	▶			
		0.86 x 2.57	36.7	10	**5402.204**		▶		
		1.00 x 1.00	18.3	10	**5402.205**			▶	
		1.00 x 2.00	32.5	10	**5402.206**			▶	
		1.04 x 1.04	19.3	10	**5402.208**				▶
		1.04 x 2.07	34.3	10	**5402.209**				▶
2	**X-Event deck T16** as Pos. 1, but with not detachable plastic corners	0.86 x 1.04	16.9	10	**5402.211**	▶			
		0.86 x 2.07	30.2	10	**5402.212**	▶			
		0.86 x 2.57	36.7	10	**5402.214**		▶		
		1.00 x 1.00	18.3	10	**5402.215**			▶	
		1.00 x 2.00	32.5	10	**5402.216**			▶	
		1.04 x 1.04	19.3	10	**5402.218**				▶
		1.04 x 2.07	34.3	10	**5402.219**				▶
3	**Event transom**	0.86	6.1	60	**5400.072**	▶			
		1.00	6.4	60	**5400.010**			▶	
		1.04	6.6	60	**5400.020**				▶
		1.71	10.0	60	**5400.071**	▶			
		2.00	11.4	60	**5400.040**			▶	
		2.07	12.0	60	**5400.050**				▶
		2.57	14.6	60	**5400.070**	▶	▶		
4	**Transom support** increases permissible load on the EV 86+ system	2.57 x 0.50	21.2	40	**5400.100**	▶			
5a	**Tension clasp T16,** for Event deck T16	0.16	2.5	50 ▦	**5403.516**	▶	▶	▶	▶
5b	**Tension clasp,** for Event deck T10, T7, T4 und T1	0.16	2.6	50 ▦	**5403.514**	▶	▶	▶	▶
6	**Square half-coupler**		1.4		**5403.510**	▶	▶	▶	▶
7a	**Clamp yellow,** for Event decks T16		0.3	40	**5403.518**	▶	▶	▶	▶
7b	**Clamp black,** for Event decks T10, T7		0.4	40	**5403.506**	▶	▶	▶	▶
7c	**Clamp green,** for Event decks T4, T1		0.3	50	**5403.502**	▶	▶	▶	▶
8a	**Plastic corner,** 2-coloured, grey-brown spare part for Event deck T16		3.5	50 ▦	**5403.519**	▶	▶	▶	▶
8b	**Plastic corner,** brown spare part for Event deck T10, T7, T4		3.4	50 ▦	**6494.101**	▶	▶	▶	▶
8c	**Plastic corner incl. bolt,** spare part for Event deck T1		4.5	50 ▦	**6494.100**	▶	▶	▶	▶

WS = wrench size **PU** = packaging unit = available ex works = delivery time on request ▦ = only available in this packaging unit

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

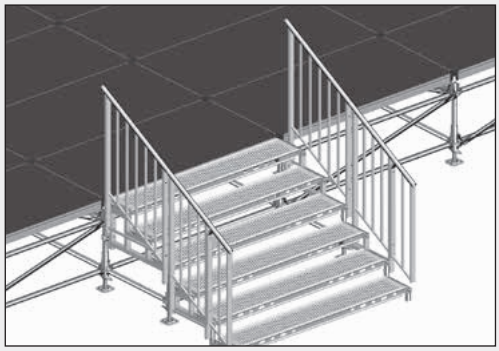
Alternatively, standards going all the way through can be installed in conjunction with additional parts for strengthening.
Variant A:
Round tube with four welded top pieces (Ref. No. 5405.075), see page 20.
Variant B:
Standard 2 m (Ref. No. 2619.200) fastened with four twin wedge-head couplers, (Ref. No. 2629.000).



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

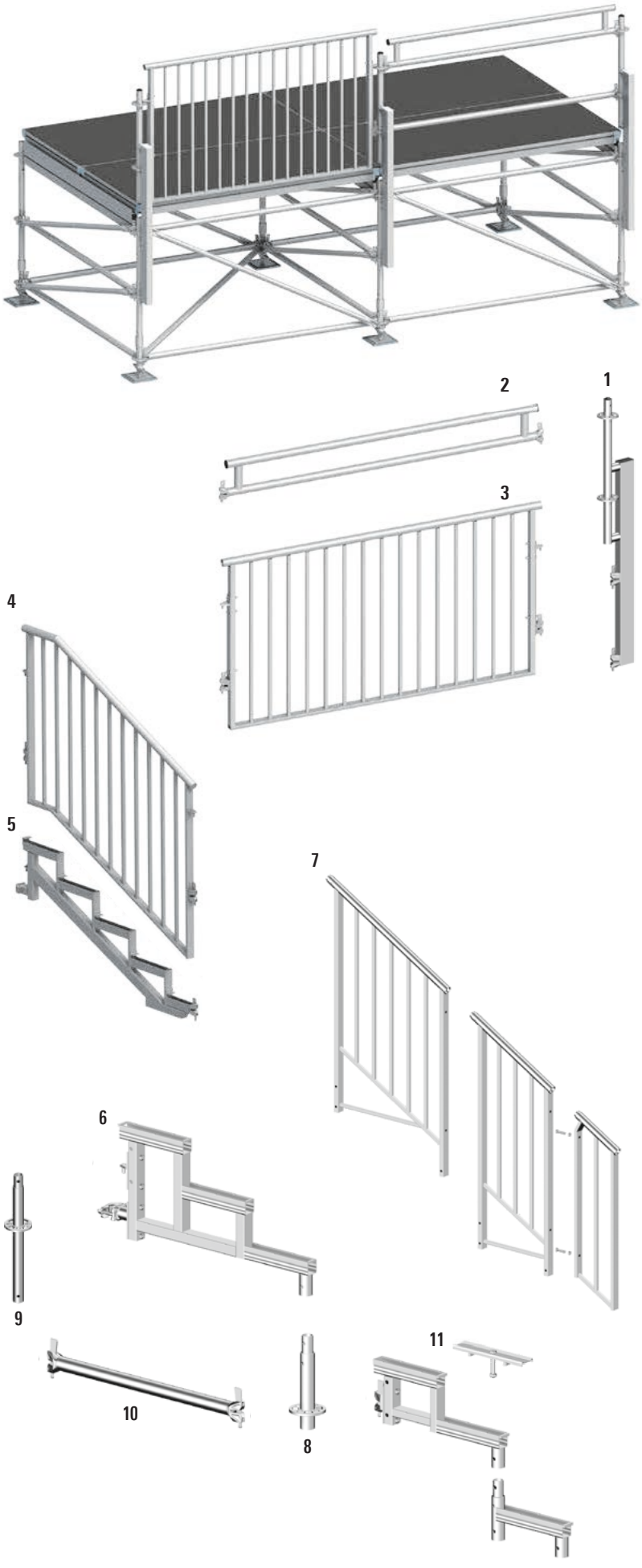
- Riser s = 16 cm
- Tread a = 31.8 cm
- Undercut u = 0.2 cm

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. A ledger with gap cover (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 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		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	Usable			
							EV 86	EV 86Q	EV 100	EV 104
1	**Guardrail post for podium**		1.64	13.8	20	**5406.000**	▶	▶	▶	▶
2	**Handrail T13** handrail height 1.00 m		1.00	7.9	20	**5417.100**			▶	
			1.04	8.1	40	**5417.104**				▶
			2.00	15.0	40	**5417.200**			▶	
			2.07	14.0	40	**5417.207**	▶			▶
			2.57	18.7	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		0.86	18.5	25	**5409.086**	▶	▶		
			1.00	19.8	25	**5409.100**			▶	
			1.04	20.0	25	**5409.104**				▶
			1.57	25.8	25	**5409.157**	▶	▶		
			2.00	30.5	25	**5409.200**			▶	
			2.07	30.8	25	**5409.207**	▶			▶
			2.57	35.8	25	**5409.257**	▶	▶		
4	**Stairway guardrail 750 with child safety feature** for stairway stringer Pos. 5		1.00 x 1.57	22.0	25	**2616.106**	▶	▶	▶	▶
5	**U-Stairway stringer 750 with half-coupler** with 5 steps		1.00 x 1.57	28.0	20	**2639.003**	▶	▶	▶	▶
6	**Stringer for modular stairway**	1-step	0.30	2.4	50	**5407.001**	▶	▶	▶	▶
		2-step	0.60	5.5	50	**5407.002**	▶	▶	▶	▶
		3-step	0.90	8.0	20	**5407.003**	▶	▶	▶	▶
7	**Guardrail for modular stairway**	1-step	0.30 x 1.10	6.5	40	**5407.011**	▶	▶	▶	▶
		2-step	0.60 x 1.10	14.0	25	**5407.012**	▶	▶	▶	▶
		3-step	0.90 x 1.10	16.0	25	**5407.013**	▶	▶	▶	▶
8	**Base collar for modular stairway,** 0.26 m with spigot		0.26	2.0	450	**5407.021**	▶	▶	▶	▶
9	**Standard for modular stairway,** 0.59 m with spigot		0.59	3.1	250	**5407.022**	▶	▶	▶	▶
10	**O-ledger LW,** 0.90 m		0.90	3.4	50	**2601.090**	▶	▶	▶	▶
11	**Lift-off preventer,** 0.29 m, with bolt		0.29	0.4	300	**5407.030**	▶	▶	▶	▶

WS = wrench size **PU** = packaging unit = available ex works = delivery time on request = only available in this packaging unit

Universal base

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.

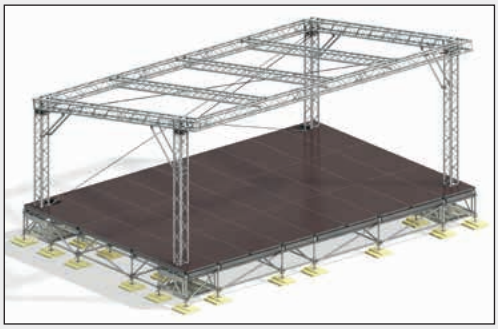
The advantages are:

- 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.

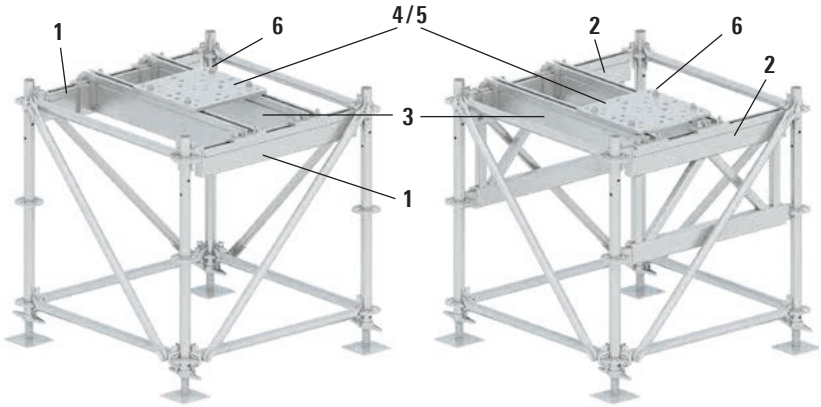
The use of serrated rails in conjunction with serrated bolts permits defined transmission of the horizontal forces.
The **base plate 4/5** always rests on two **truss-transoms 3.**

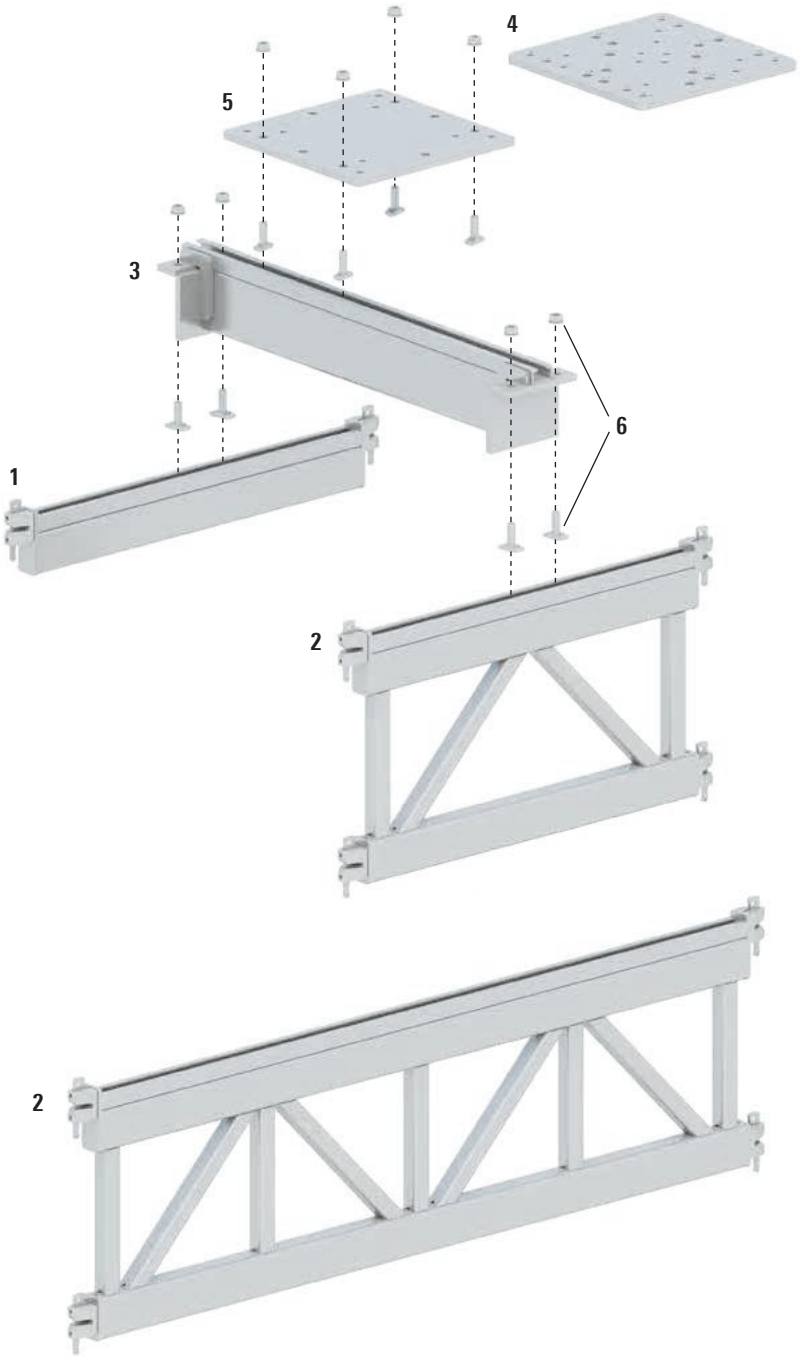
Example A:
Base plate 4 in the middle of the bay, even distribution of the load onto four rosettes, thanks to use of the **base beam 1.**

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



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





Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	Usable		
						EV 86	EV 100	EV 104
1	**Base beam** steel, hot-dip galvanized	0.86	13.0	10	**5431.086**	▸		
		1.00	15.5	10	**5431.100**		▸	
		1.04	16.1	10	**5431.104**			▸
		2.00	32.5	10	**5431.200**		▸	
		2.07	33.7	10	**5431.207**	▸		▸
2	**Base beam** steel, hot-dip galvanized	0.86 x 0.50	38.2	10	**5432.086**	▸		
		1.00 x 0.50	38.5	10	**5432.100**		▸	
		1.04 x 0.50	39.1	10	**5432.104**			▸
		2.00 x 0.50	76.0	10	**5432.200**		▸	
		2.07 x 0.50	76.7	10	**5432.207**	▸		▸
3	**Truss-Transom** steel, hot-dip galvanized	0.86	27.8	8	**5433.086**	▸		
		1.00	28.9	8	**5433.100**		▸	
		1.04	29.0	8	**5433.104**			▸
		2.00	47.3	8	**5433.200**		▸	
		2.07	48.6	8	**5433.207**	▸		▸
4	**Base plate type 1** steel, hot-dip galvanized, for H30V and H40V support with 31 drillings	0.41 x 0.41	25.0	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	25.0	10	**5434.002**	▸	▸	▸
6	**Special bolt,** with nut HZS 53 x 34	M16 x 60	2.0	12 ▦	**5434.012**	▸	▸	▸

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LAYHER EVENT STANDS

FOR GETTING THE CROWD'S MONEY'S WORTH

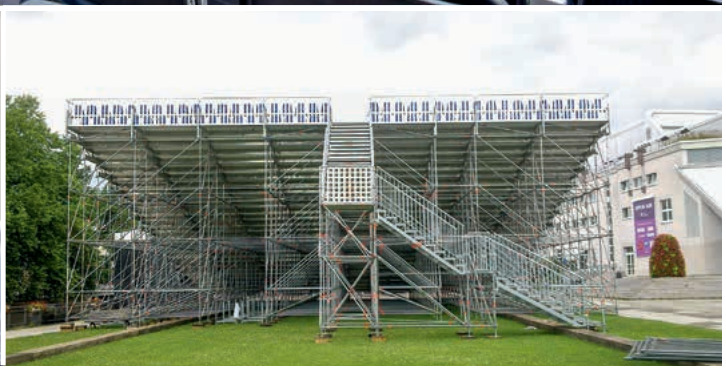
No restrictions on comfort, no limits on dimensions and equipment, no concessions to the location: Layher stands are always an excellent "observation point", just as required.

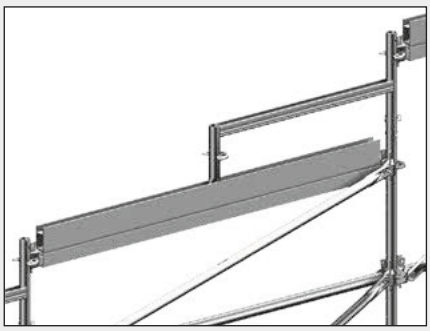
The Layher Event-System: Stands for sitting, all over the world and meeting client requirements. Series manufacture and high delivery readiness are our way to help you cut costs and achieve economic success; and tailor-made special solutions whenever necessary are our strengths.

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

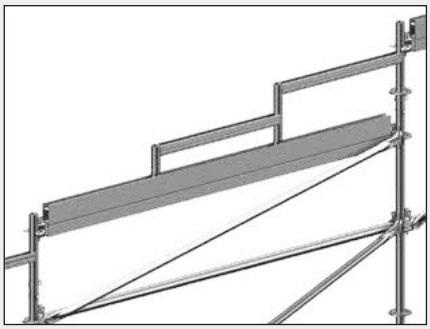
YOUR BENEFITS AT A GLANCE

- **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.





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.



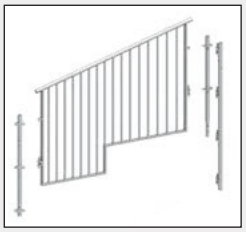
For the Event System EV 86, the **stand elements, 2-step** **2** with risers of 0.16 m, 0.25 m or 0.33 m are used.

When Event decks are used, the **steel lift-off preventer** **5** 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** **5** and the **steel deck support** **7** are used.

The steel lift-off preventer is fastened using the **bolt** **6** . The bolts must be ordered separately.

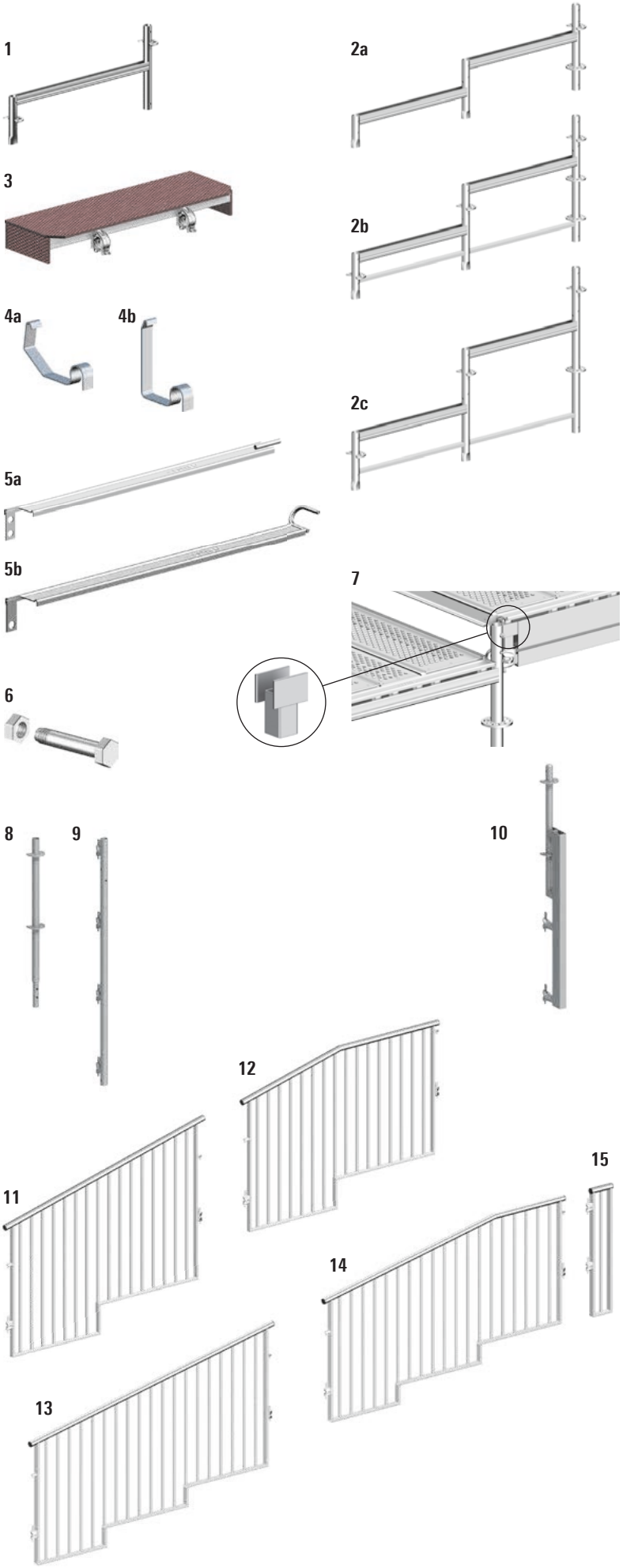
The **guardrail standard 0.96 m** **8** with spigot fitted at the bottom is used to continue the Allround standards from the substructure. When side guardrails are used, this standard has to be additionally strengthened.



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 7, 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 x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	Usable			
						EV 86	EV 86Q	EV 100	EV 104
1	**Stand element** 1-step, inclination 0.25 m	1.00 x 0.25	6.6	40	**5401.010**			▸	
		1.04 x 0.25	6.7	40	**5401.020**				▸
2a	**Stand element** 2-step, inclination 0.16 m	0.86 x 0.16	10.6	30	**5401.216**	▸	▸		
2b	**Stand element** 2-step, inclination 0.25 m	0.86 x 0.25	16.6	20	**5401.225**	▸	▸		
2c	**Stand element** 2-step, inclination 0.33 m	0.86 x 0.33	18.0	20	**5401.233**	▸	▸		
3	**Intermediate step** 0.30 x 0.12 x L, with 2 half couplers	L = 1.00	8.4	12	**5402.110**			▸	▸
		L = 1.25	10.5	24	**5402.130**			▸	▸
4a	**Lock for stand element** for Event deck T16		2.0	50 ▦	**5403.517**	▸	▸	▸	▸
4b	**Lock for stand element** for Event deck T10, T7, T4, T1	0.10	0.1		**5403.501**	▸	▸	▸	▸
5a	**Steel lift-off preventer T19** for stand elements from 2019	0.86	1.5		**5403.010**	▸	▸		
5b	**Steel lift-off preventer** for stand elements to 2019	0.86	1.6		**5403.007**	▸	▸		
6	**Bolt M10 x 70,** with nut for steel lift-off preventer		3.5	50 ▦	**5403.009**	▸	▸		
7	**Steel deck support**	0.10	0.4		**5403.006**	▸	▸		
8	**Guardrail standard,** 0.96 m with bottom mounted spigot and 2 cutaway rosettes	0.96	5.5	28	**5405.045**	▸	▸	▸	▸
9	**Tube,** 1.7 m with 4 wedge heads	1.7	8.6	50	**5405.075**	▸	▸	▸	▸
10	**Guardrail post** for stand	1.6	14.0	20	**5405.050**	▸	▸	▸	▸
11	**Side guardrail T12** 2-step, inclination 0.25 m	2.00 x 1.10	32.2	20	**5410.201**			▸	
		2.07 x 1.10	32.5	25	**5410.204**				▸
12	**Side end guardrail T12** 2-step, inclination 0.25 m	2.00 x 1.10	30.4	25	**5410.202**			▸	
		2.07 x 1.10	30.7	25	**5410.206**				▸
13	**Side guardrail T12** 3-step, inclination 0.16 m	2.57 x 1.10	35.2	25	**5410.301**	▸	▸		
14	**Side end guardrail T12** 3-step, inclination 0.16 m	2.57 x 1.10	34.3	25	**5410.302**	▸	▸		
15	**Corner guardrail**	1.10 x 0.28	11.2	40	**5410.303**	▸	▸	▸	▸

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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 7.** The length of the vertical tubes is matched to the respective riser.

For the bottom row of seats, **seat supports with integrated rosette 8** 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 5**. At the posts for side guardrails, **short wedges 6** are needed. At the ends of each row of seats, **bench ends 2** are fitted.

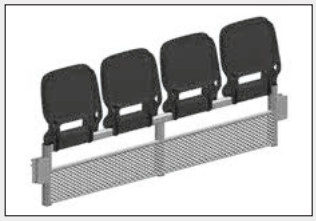
Novanta bucket seats 3a can be fastened to the benches. We recommend benches with predrilled holes here. The standard Novanta bucket seats are dark blue, UV-protected and flame-retardant.

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

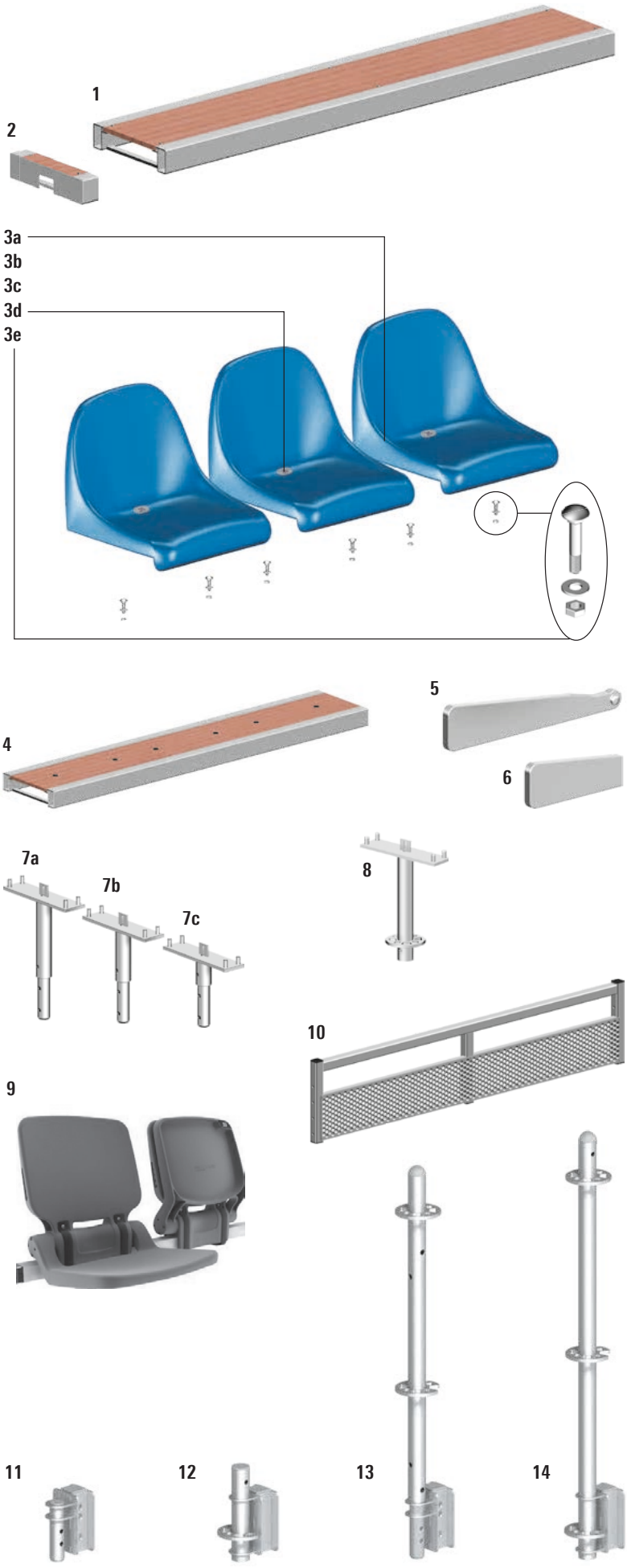
Variant for folding seats:
Tip-up seats 9 are clamped to the **aluminium frames 10** at one point. This creates handy seat elements for rapid assembly and low transport volumes.
Aluminium frames 10 are inserted from above into the **adapters 11**. To fasten side guardrails, **standards 0.92 m with adapter 13 are used.**
For the bottom row of seats, **adapters with rosette 12** are used, and on the side guardrail the **standard 1.18 m with adapter 14.**

The **aluminium frames, the adapters and standards for tip-up seats 10 – 14** 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.



Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	Usable			
						EV 86	EV 86Q	EV 100	EV 104
1	**Bench** anodised aluminium, coated plywood	1.57 x 0.30	7.2	60	**5623.157**	▶	▶		
		2.00 x 0.30	9.4	60	**5623.200**			▶	
		2.07 x 0.30	9.5	60	**5623.207**	▶			▶
		2.57 x 0.30	11.7	60	**5623.257**		▶		
2	**Bench end** anodised aluminium, coated plywood	0.06 x 0.30	0.5	400	**5624.000**	▶	▶	▶	▶
3a	**Novanta bucket seat,** blue UV-protected and flame-retardant	0.40 x 0.43	1.7		**5408.021**	▶	▶	▶	▶
3b	**Plug,** left, blue		0.2	20 ▦	**5408.026**	▶	▶	▶	▶
3c	**Plug,** right, blue		0.2	20 ▦	**5408.027**	▶	▶	▶	▶
3d	**Number plate,** without lettering, white		0.2	20 ▦	**5408.025**	▶	▶	▶	▶
3e	**Assembly-Set for 20 bucket seats** existing of 40 bolts M8 x 40, 40 nuts and 40 washers		1.2	40 ▦	**5408.007**				
4	**Bench,** with holes for Novanta bucket seats	1.57 x 0.30	7.2	60	**5408.157**	▶	▶		
		2.07 x 0.30	9.5	60	**5408.207**	▶			▶
		2.57 x 0.30	11.7	60	**5408.257**		▶		
5	**Allround wedge,** steel, for securing bench	complete with rivet	0.14	50 ▦	**6494.803**		▶	▶	▶
		without rivet	12.0	100 ▦	**6494.899**		▶	▶	▶
6	**Allround wedge,** short, 90 mm without holes, for securing bench at edge of stand	0.09	1.0	10 ▦	**6494.965**		▶	▶	▶
7a	**Bench adapter,** inclination 0.16 m	0.42	3.7	100	**5406.010**	▶	▶		
7b	**Bench adapter** inclination 0.25 m	0.34	3.4	100	**5406.015**			▶	▶
7c	**Bench adapter,** inclination 0.33 m	0.26	3.1	100	**5406.020**			▶	▶
8	**Seat support with rosette** for bottom rows	0.34	4.0		**5619.000**	▶	▶	▶	▶
9	**Tip-up seat, black** UV-protected and flame-retardant	0.48 x 0.42	3.2		**5515.001**	▶	▶	▶	▶
10	**Aluminium frame for tip-up seats** suitable for all inclinations	1.50 x 0.43	7.4	30	**5516.150**			▶	
		1.57 x 0.43	7.6	30	**5516.157**	▶	▶		▶
		2.00 x 0.43	9.4	30	**5516.200**			▶	
		2.07 x 0.43	9.7	30	**5516.207**	▶			▶
		2.50 x 0.43	11.6	30	**5516.250**		▶		
		2.57 x 0.43	11.8	30	**5516.257**		▶		
11	**Adapter with spigot**	0.17	2.8		**5521.001**	▶	▶	▶	▶
12	**Adapter with rosette** for lowest stand row	0.26	3.5		**5521.002**	▶	▶	▶	▶
13	**Standard 0.92 m with adapter** for guardrail mounting	0.92	7.8		**5521.003**	▶	▶	▶	▶
14	**Standard 1.18 m with adapter** for guardrail mounting at the lowest stand row	1.18	7.9		**5521.004**	▶	▶	▶	▶

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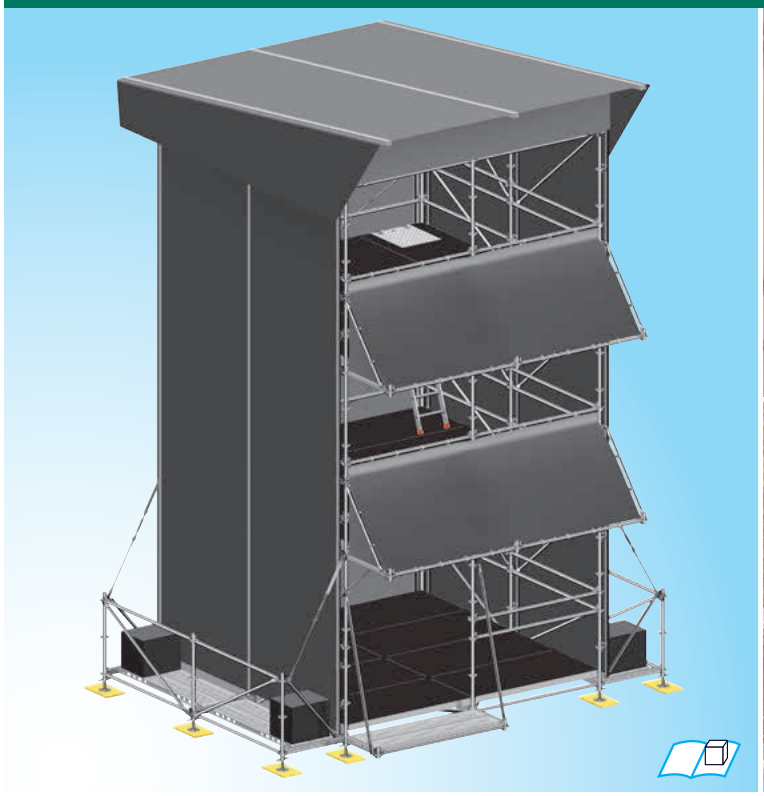
LAYHER FOH TOWER KIT SYSTEM

QUICK AND CLEAN. FLEXIBLE FRONT-OF-HOUSE SOLUTIONS FROM LAYHER



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!

YOUR BENEFITS AT A GLANCE

- 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 (4 x 4) and 6.21 m x 4.14 m (6 x 4).

LAYHER VIDEO WALL ASSEMBLY-SYSTEM

IDEAL FOR MAJOR EVENTS AND PUBLIC SCREENINGS

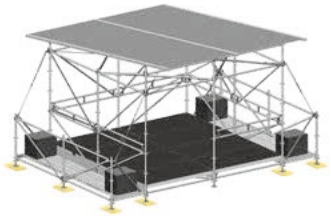
To give all of the audience a closer look at the performers at major open-air concerts, and also because the broadcasting of major sporting events like the FIFA World Cup is increasingly evolving into a spectacle for the entire public, LED video screens have now become essential.

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.

YOUR BENEFITS AT A GLANCE

- 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.

1



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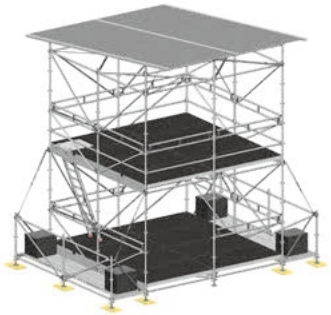

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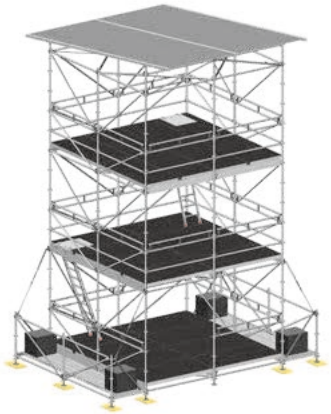

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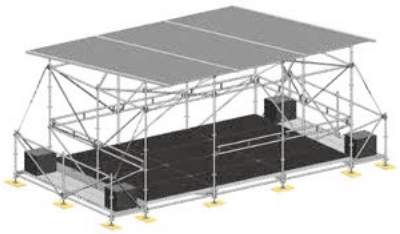

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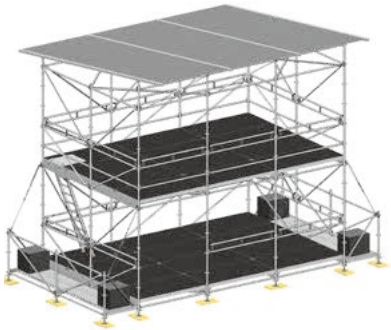

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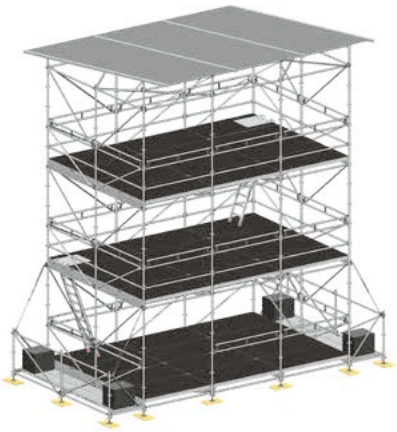


The Layher FOH Towers are of modular design in a kit system. To add a further storey to your FOH tower, it's only neccessary to adjust the number of parts, but not their type. The optionally available projecting roofs and the optional entrance steps can be easily mounted if required.

For all illustrated variants of the FOH tower, a test book can be created. 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.

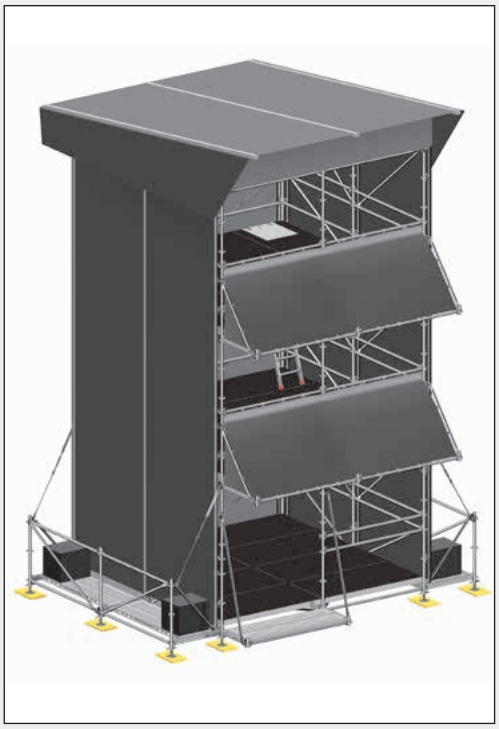
7

8

9

Pos.	Description	Dimensions L / H 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 5060.472	
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

WS = wrench size **PU** = packaging unit = available ex works = delivery time on request = only available in this packaging unit



1

2

3

4

5/6

Assembly Pos. 4 + 5

Roof and wall cladding

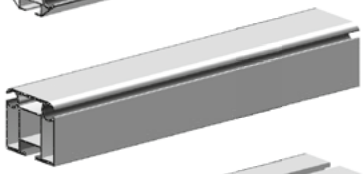
The proven **keder rail 2000** 7. Known for its low weight. Ideal for lightweight applications, particularly for wall coverings and scaffolding covers.

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 K3000 can also be used as a wall keder rail over large spans.

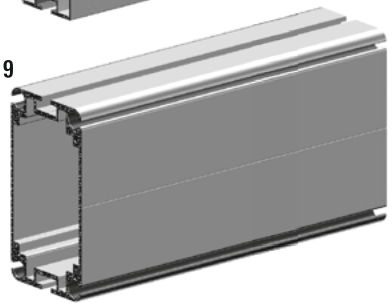
The **keder rail 9000** 9 is suitable as a heavy-duty marquee section for large and very large spans. Roofs and side coverings for large open-air stages can be constructed with this section, in addition to massive roofs for stands.

7

8



9



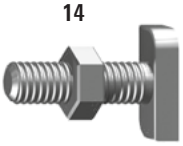
12

13

10

11

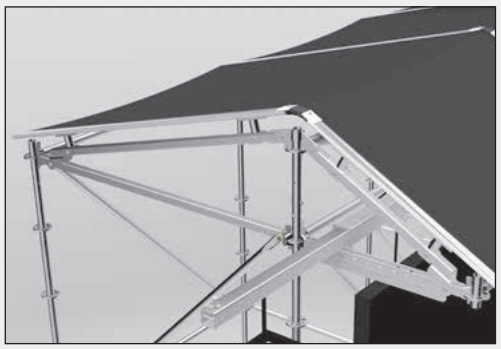
14



Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	Usable		
							EV 86	EV 100	EV 104
1	**FOH beam**		4,00	38,1	20	**5573.010**		▸	
			4,14	38,6	20	**5573.011**			▸
2	**Event access deck T16** with aluminium hatch		0,86 x 2,07	33,9	10	**5402.221**	▸		
			1,00 x 2,00	36,3	10	**5402.222**		▸	
			1,04 x 2,07	38,0	10	**5402.223**			▸
3	**Single step ladder,** with hook 10-steps for storey height 2.50 m		2,70 x 0,45	7,7	10	**5573.021**		▸	▸
4	**FOH rope holder set** 4 parts for connection of the ballast bays			2,7	100	**5573.002**		▸	▸
5	**Rope fastener** for ballast bays		1,22	1,3	10	**5573.005**		▸	▸
6	**Rope fastener** for roof stiffening	as HD 4.00 x 4.00 m	5,57	7,5	10	**5573.003**		▸	▸
		as HD 4.14 x 4.14 m	5,77	7,6	10	**5573.004**		▸	▸
7	**Inspection book for FOH Tower** for the assembly variants shown on page 26			3,2		**5400.150**		▸	▸

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
7	**Aluminium keder rail 2000** for side tarpaulins	1.30	2.0		**4201.130**
		2.00	3.0		**4201.200**
		2.25	3.3		**4201.220**
		2.50	3.8		**4201.250**
		3.00	4.5		**4201.300**
		4.00	6.0		**4201.400**
		6.00	9.0		**4201.600**
8	**Aluminium keder rail 3000** for roof tarpaulins	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,** rotatable, incl. 2 captive bolts		0.9		**5573.000**
11	**Keder rail holder,** rotatable, with half-coupler, incl. 2 captive bolts		1.0		**5573.006**
12	**Hinged attachment for Event roof**		3.4		**5573.001**
13	**Half-coupler,** with plate	0.20 x 0.10	2.1		**5573.030**
14	**Captive bolt for keder rail** M12 x 40, with nut, for Pos. 12 and 13		5.0	50 ▦	**4206.001**

WS = wrench size **PU** = packaging unit = available ex works = delivery time on request ▦ = only available in this packaging unit

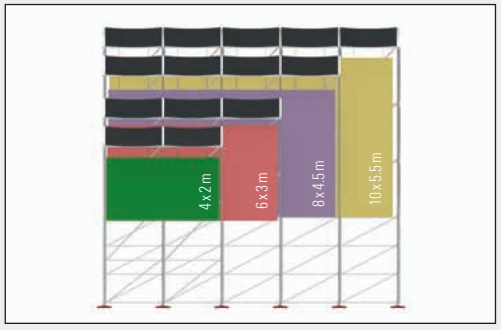


Product advantages:
- Modular design based on Layher Allround Scaffolding
- Manual assembly
- Economical to assemble thanks to wedge and pin connections
- Low transport volume
- Expandable with additional functions
- Roofing
- Enclosure
- Table / podium
- Projecting arm for PA

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.

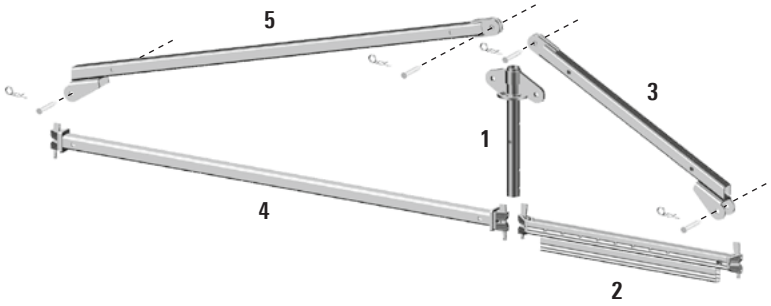
At the ends of the video screen, **projecting arms 8** can be laterally inserted to support the loads of up to 5 kN. The necessary M12 x 130 bolts are supplied together with the projecting arm.

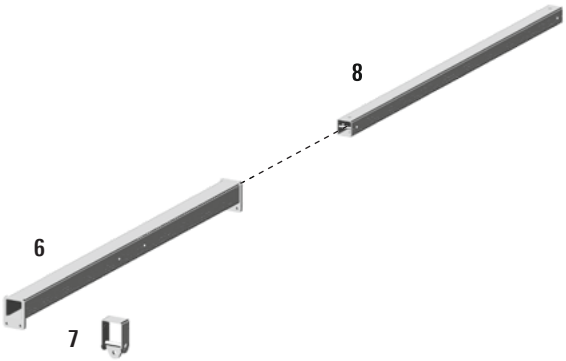
A roof can be constructed optionally.
To do so, the **keder holders 9** are fastened by means of **pins 12** into the holes provided for them in the **diagonal braces 3** and **5.**
To fix the keder rails, **groove bolts for keder rail, Ref. No. 4206.001,** are needed, see pages 28 – 29.

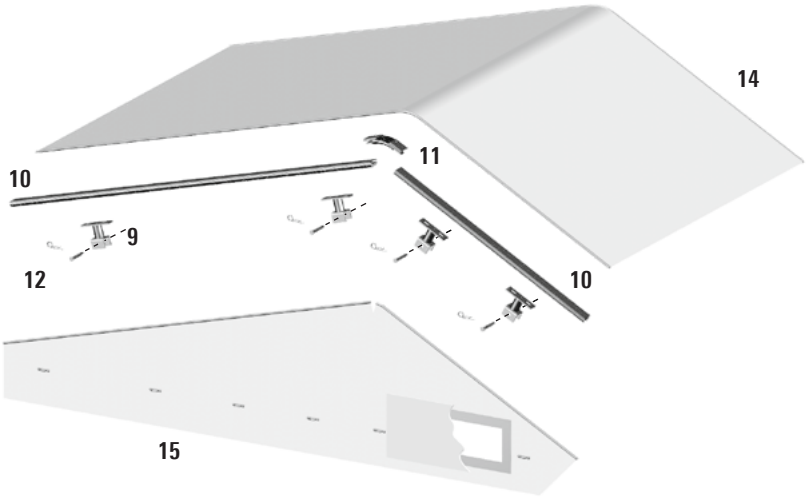


An **inspection book 16** is available covering all the four heights shown here.

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, 0.5 m**		0.50	4.5		**5435.050**
2	**Video Wall U-ledger**		1.00	6.2		**5435.100**
			1.04	6.3		**5435.104**
3	**Video Wall diagonal brace, square tube, short**		1.01	7.1		**5435.030**
4	**Video Wall ledger, square tube**		2.00	12.4		**5435.201**
			2.07	12.8		**5435.208**
5	**Video Wall diagonal brace, square tube, long**		1.93	12.4		**5435.035**
6	**Load beam**		1.00	17.1		**5435.010**
			1.04	17.6		**5435.014**
			2.00	32.2		**5435.020**
			2.07	33.3		**5435.027**
7	**Suspension point**		0.10 x 0.10	2.1		**5435.210**
8	**Video Wall PA projecting arm**		2.00	23.8		**5435.055**
9	**Video Wall keder holder**		0.075	1.3		**5435.215**
10	**Aluminium keder rail 2000**		1.30	2.0		**4201.130**
			2.25	3.3		**4201.220**
11	**Aluminium keder bend flexible, short**		0.16	0.5		**4205.004**
12	**Video Wall pin,** 16 x 121 mm			0.2		**5435.310**
13	**Safety clip,** 4.0 mm			1.5	50	**5905.001**
14	**Video Wall roof tarpaulin**	black	2.00	6.9		**5435.320**
		white	2.00	6.9		**5435.321**
		black	2.07	6.9		**5435.327**
		white	2.07	6.9		**5435.328**
15	**Video Wall gable tarpaulin**	black	2.00	2.7		**5435.330**
		white	2.00	2.7		**5435.331**
16	**Inspection book for Video Wall System**			3.0		**5400.160**

WS = wrench size **PU** = packaging unit = available ex works = delivery time on request = only available in this packaging unit

LAYHER TRUSS SYSTEMS

VISUALLY ATTRACTIVE, LIGHTWEIGHT AND STABLE

The Layher Truss System contains 4-chord transoms of aluminium in H30 and H40 series with two different axis dimensions.

The Layher Truss Systems are designed for lightweight and medium applications, typically for exhibition works. They are characterised by very high stability, compactness, versatility and very low operating weight. The assembly is no trouble thanks to well-known conic connectors.

YOUR BENEFITS AT A GLANCE

- **High load-bearing capacity**
  Outstanding load-bearing values.
- **High quality**
  Durable and value stable thanks to highest production quality.

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.

YOUR BENEFITS AT A GLANCE

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

The Layher Truss Systems are designed for lightweight and medium applications, typically for exhibition works. They are characterised by very high stability, compactness, versatility and very low operating weight. The assembly is no trouble thanks to well-known conic connectors.

Technical data:
Aluminium EN AW 6082 T6
Chord tubes 48.3 x 3 mm

Variant H30V:
Diagonal tube 16 x 2 mm
Axis dimension 239 mm
Outer dimension 287 mm

Variant H40V:
Diagonal tube 20 x 2 mm
Axis dimension 339 mm
Outer dimension 387 mm

During the assembly of many truss structures, ladders and rolling towers are a constant campanion. Order the catalogue access technology

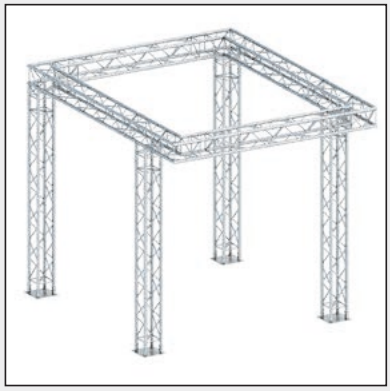
As an alternative to the prefabricated **truss corners 2–6**, universal **box corners 8** can be used.
Box corners 9, 10 are screwed using **Hexagon socket bolt M12 x 35 11** to the box corners in the direction of the adjoining parts. The **box corner L 0.21 m long 10** combined with a **box corner 8** is the same length as the **truss corners 2–6.** For example, in T-sections the resultant lengths are:
For H30V: 0.29 m + 2 x 0.21 m = 0.71 m
For H40V: 0.39 m + 2 + 0.21 m = 0.81 m

For ambitious structures, **truss elements 1** are therefore available in the lengths 0.71 m and 0.81 m.

Connection elements for truss systems have to be ordered separately.
To assemble the truss systems, the following are needed per joint:
4 x **conic connectors 14** and 8 x **conic bolts 15** and 8 x **securing pins 16.**

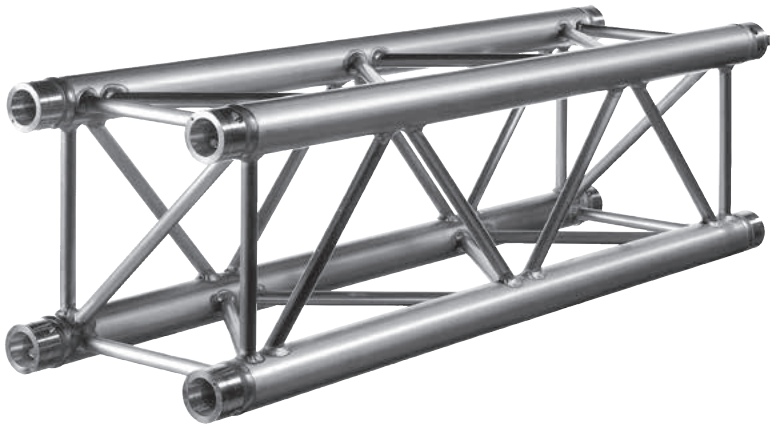
For permanent installations, we recommend **bolts and nuts 17** instead of **bolts with securing pins 15 and 16.**

For the **base plates 7** conic **half connectors 12** and **countersunk bolts 13** are necesary, which have to be ordered separately.



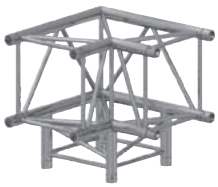
Example of application using **corners 2, 3** and **T-section 5.**

1 a/b

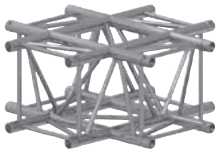


2a/b

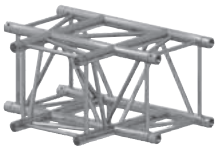
3a/b



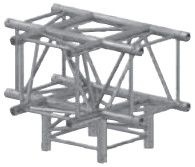
4a/b



5a/b

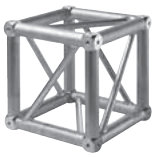


6a/b



7a/b

8a/b



9a/b

10a/b

12

13

14

15

16

17

TRUSS SYSTEM H30V

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1a	**Truss H30V,** aluminium straight, 4-chord, external dimension 287 mm	0.50 x 0.29 x 0.29	4.0	6	**5721.050**
		0.71 x 0.29 x 0.29	5.1	6	**5721.071**
		1.00 x 0.29 x 0.29	6.8	6	**5721.100**
		1.50 x 0.29 x 0.29	10.1	6	**5721.150**
		2.00 x 0.29 x 0.29	12.5	6	**5721.200**
		2.50 x 0.29 x 0.29	15.3	6	**5721.250**
		3.00 x 0.29 x 0.29	18.9	6	**5721.300**
		4.00 x 0.29 x 0.29	23.9	6	**5721.400**
2a	**Truss corner H30V,** aluminium, 2-way, 90 degree	0.50 x 0.29 x 0.50	5.3	4	**5723.003**
3a	**Truss corner H30V,** aluminium, 3-way, 90 degree	0.50 x 0.50 x 0.50	6.8	4	**5723.012**
4a	**Truss corner H30V,** aluminium, 4-way, cross	0.71 x 0.29 x 0.71	10.2	4	**5723.016**
5a	**Truss corner H30V,** aluminium, 3-way, T-piece	0.71 x 0.29 x 0.50	8.1	4	**5723.017**
6a	**Truss corner H30V,** aluminium, 4-way, T-piece	0.71 x 0.50 x 0.50	10.1	4	**5723.020**
7a	**Base plate H30,** aluminium, 4-chord H30V	0.33 x 0.33	1.7	10	**5701.073**
8a	**Box Corner H30V,** aluminium	0.29 x 0.29 x 0.29	9.8		**5714.030**
9a	**Box Corner H30V,** aluminium, attachment S	0.11 x 0.29 x 0.29	1.3	5	**5714.031**
10a	**Box Corner H30V,** aluminium, attachment L	0.21 x 0.29 x 0.29	3.3	4	**5714.032**

TRUSS SYSTEM H40V

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1b	**Truss H40V,** aluminium straight, 4-chord, external dimension 387 mm	0.50 x 0.39 x 0.39	4.7	6	**5739.050**
		0.81 x 0.39 x 0.39	6.7		**5739.081**
		1.00 x 0.39 x 0.39	8.1		**5739.100**
		1.50 x 0.39 x 0.39	11.0	6	**5739.150**
		2.00 x 0.39 x 0.39	18.2	6	**5739.200**
		2.50 x 0.39 x 0.39	17.7		**5739.250**
		3.00 x 0.39 x 0.39	20.8	6	**5739.300**
		3.50 x 0.39 x 0.39	21.1		**5739.350**
		4.00 x 0.39 x 0.39	26.8		**5739.400**
2b	**Truss corner H40V,** aluminium, 2-way, 90 degree	0.60 x 0.39 x 0.60	7.0	4	**5741.003**
3b	**Truss corner H40V,** aluminium, 3-way, 90 degree	0.60 x 0.60 x 0.60	9.2	4	**5741.012**
4b	**Truss corner H40V,** aluminium, 4-way, cross	0.81 x 0.39 x 0.81	12.8	4	**5741.016**
5b	**Truss corner H40V,** aluminium, 3-way, T-piece	0.81 x 0.39 x 0.60	10.5	4	**5741.017**
6b	**Truss corner H40V,** aluminium, 4-way, T-piece	0.81 x 0.60 x 0.60	12.8	4	**5741.020**
7b	**Base plate H40,** aluminium, 4-chord H40V	0.43 x 0.43	2.9	10	**5701.078**
8b	**Box Corner H40V,** aluminium	0.39 x 0.39 x 0.39	12.1	4	**5732.030**
9b	**Box Corner H40V,** aluminium, attachment S	0.11 x 0.39 x 0.39	1.5	4	**5732.031**
10b	**Box Corner H40V,** aluminium, attachment L	0.21 x 0.39 x 0.39	3.3	5	**5732.032**

SMALL PARTS

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
11	**Hexagon socket bolt M12 x 35**		0.1	100	**5700.103**
12	**Conic half connector with thread M12**	0.04	0.2	50	**5701.026**
13	**Countersunk bolt M12 x 20**	0.02	0.05	50	**5701.027**
14	**Conic connector**	0.09	0.2	100	**5701.020**
15	**Conic bolt**	0.07	0.04	100	**5701.023**
16	**Securing pin**	0.06	0.01	100	**5701.007**
17	**Conic bolt with nut M8**	0.07	0.05	100	**5701.024**

WS = wrench size **PU** = packaging unit = available ex works = delivery time on request = only available in this packaging unit

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.

Tower truss 1
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.

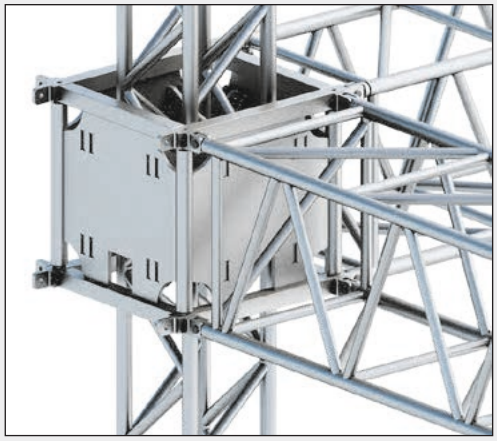
Maxi Truss 2
The Maxi Truss is a very strong transom type, which is especially usable for roofings as main transom, as ground support, for advertisment signs or cable bridges.

Nova Truss 3
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 4
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 5/6. The bolts intended for this purpose must be ordered separately.

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

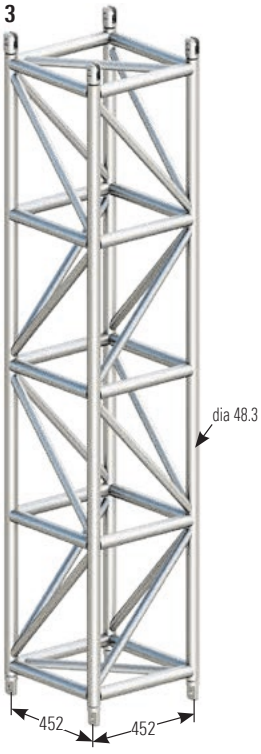


Corner elements and sleeve blocks on request.

1

2

3



4

5/6

7/8

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]	Weight per metre approx. [kg]	PU [pcs.]	Ref. No.
1	**Tower Truss,** steel, hot-dip galvanized, 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 dia. 15.8 mm	1.00	37.0	37.0		**on request**
		1.50	50.3	33.5		
		2.00	67.3	33.7		
		2.40	81.0	33.8		
		3.00	98.0	32.7		
		4.00	127.7	31.9		
		5.00	152.6	30.5		
2	**Maxi Truss,** steel, hot-dip galvanized, 569 x 569 mm Usable for roofings as main transom, as ground support, for advertisment signs or cable bridges, use with bolt dia. 15.8 mm	0.25	21.6	86.4		**on request**
		0.50	33.0	66.0		
		1.00	53.4	53.4		
		1.20	57.8	48.2		
		1.80	79.5	44.2		
		2.07	91.0	44.0		
		2.40	99.2	41.3		
		3.00	120.0	40.0		
		4.00	156.9	39.2		
		5.00	191.0	38.2		
3	**Nova Truss,** steel, hot-dip galvanized, 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 dia. 15.8 mm	1.04	58.0	55.8		**on request**
		1.50	78.0	52.0		
		2.07	102.0	49.3		
		2.40	109.3	45.5		
		2.57	123.0	47.9		
		3.00	142.5	47.5		
		4.00	184.9	46.2		
		5.00	227.4	45.5		
		6.00	270.0	45.0		
4	**Super Truss,** steel, hot-dip galvanized, 550 x 854 mm Usable for roofings as main transom, as ground support, for advertisment signs or cable bridges, use with bolt dia. 20.0 mm	1.00	84.5	84.5		**on request**
		2.07	139.0	67.1		
		2.40	143.0	59.6		
		4.00	239.0	59.8		
		4.14	245.0	59.2		
		5.00	291.2	58.2		
		5.50	324.5	59.0		
5	**Bolt,** 15.8 x 80.0 mm for Tower Truss, Nova Truss and Maxi Truss		0.7		4 ▦	**5550.001**
6	**Bolt,** 20.0 x 100.0 mm for Super Truss		1.3		4 ▦	**5550.002**
7	**Safety clip,** 2.8 mm for Tower Truss, Nova Truss and Maxi Truss		0.5		50 ▦	**4905.001**
8	**Safety clip,** 4.0 mm for Super Truss		1.5		50 ▦	**5905.001**

WS = wrench size **PU** = packaging unit = available ex works = delivery time on request ▦ = only available in this packaging unit

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.

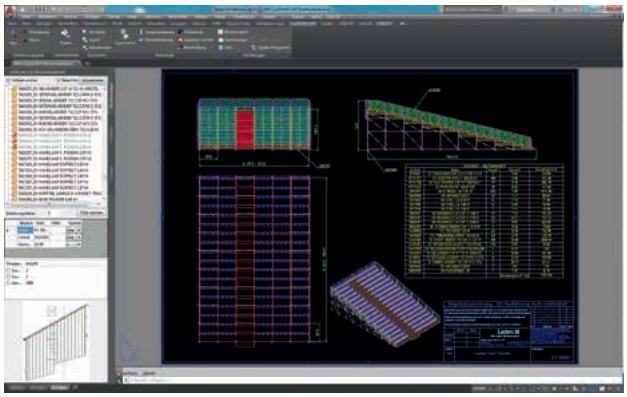
A visual collision check is possible with the aid of volume rendering. By using a convenient search function with preview image, scaffolding planners will find not only an extensive library of individual Layher parts, but also assemblies already prefabricated for even faster design work. The detailed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

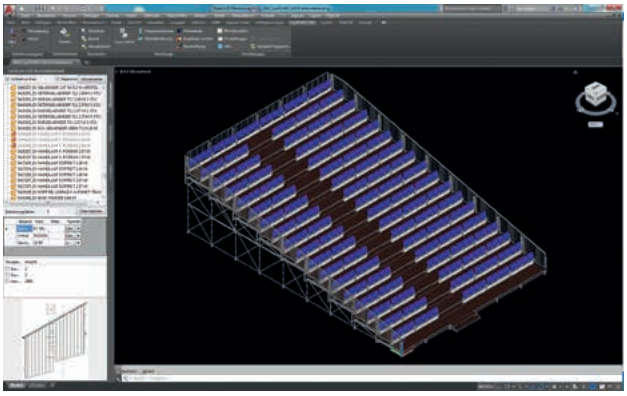
After finalisation of the scaffolding proposal, the LayPLAN Material Manager provides you with complete lists of required parts to ensure you always have precisely the material you need at the site.

How can I buy LayPLAN?
Registration and all the ordering processes can be conveniently accessed at the Layher website: http://software.layher.com

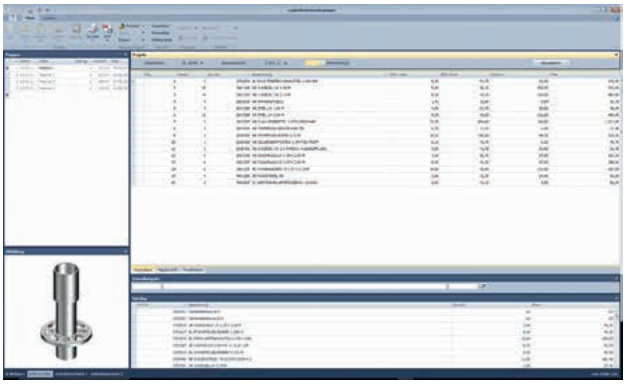
A contact form gives you the data to access our software portal, where you can download a 30-day test version and also find the order form for the full version.

LayPLAN CAD





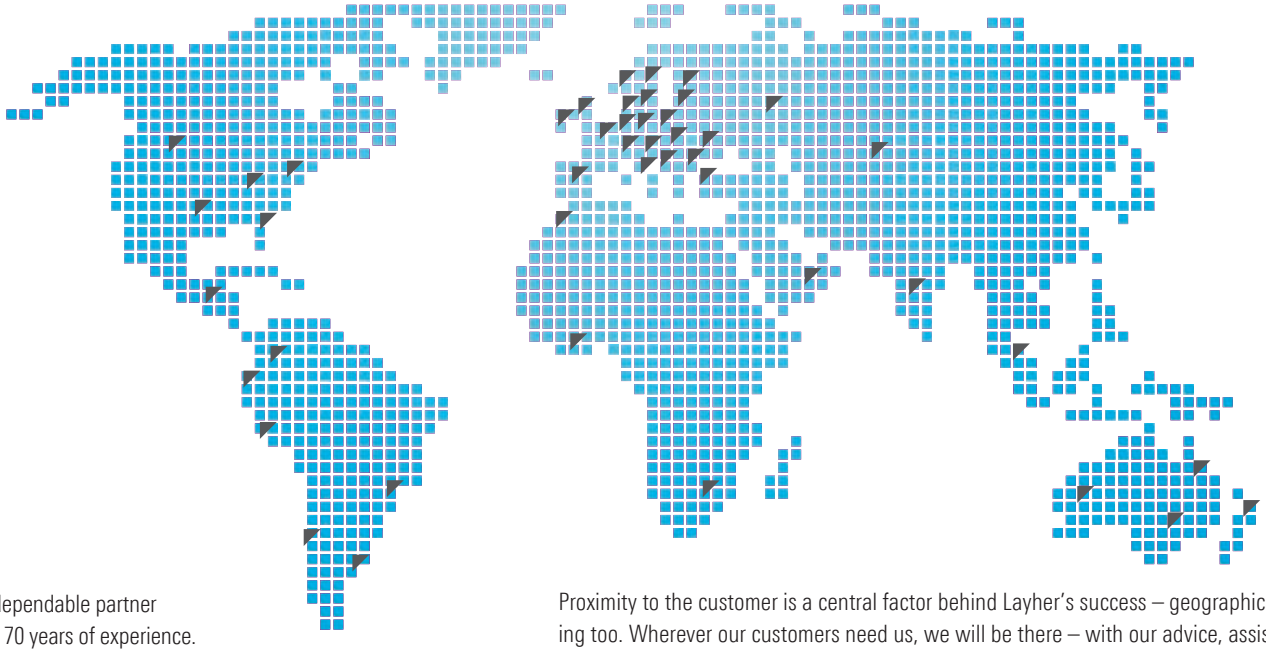
Planning of a grandstand in LayPLAN CAD



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

Pos.	Description	Ref. No.
1	**LayPLAN CAD** plug-in for AutoCAD, for designing complex scaffolding in 3D	**6345.103**

Index



Layher is your dependable partner with more than 70 years of experience. "Made by Layher" always means "Made in Germany" too – and that goes for the entire product range. Superb quality – and all from one source.

Proximity to the customer is a central factor behind Layher's success – geographically speaking too. Wherever our customers need us, we will be there – with our advice, assistance and solutions.

- **SpeedyScaf**
- **Allround Scaffolding**
- **System-free Accessories**
- **Protective Systems**
- **Shoring**
- **Event Systems**
- **Rolling Towers**
- **Ladders**

Headquarters in Eibensbach

Plant 2 in Gueglingen

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Layher®

More Possibilities. The Scaffolding System.

Wilhelm Layher GmbH & Co KG
Scaffolding Grandstands Ladders

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