

# LAYHER EVENT SYSTEMS CATALOGUE



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Quality management  
certified according  
to ISO 9001:2008  
by German TÜV-CERT



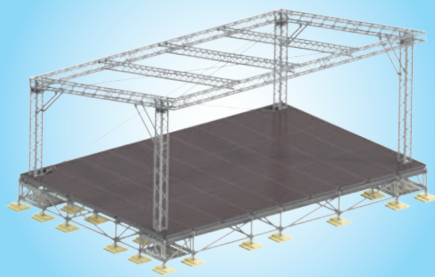


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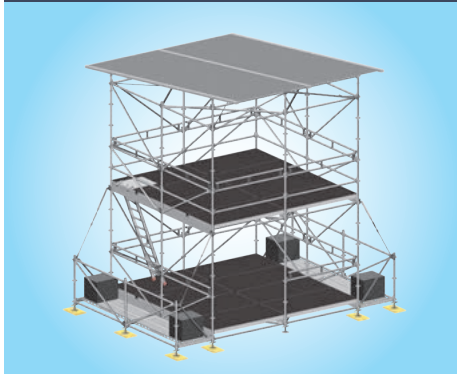
# PRODUCT PORTFOLIO



The Layher Product Range – all catalogues at a glance

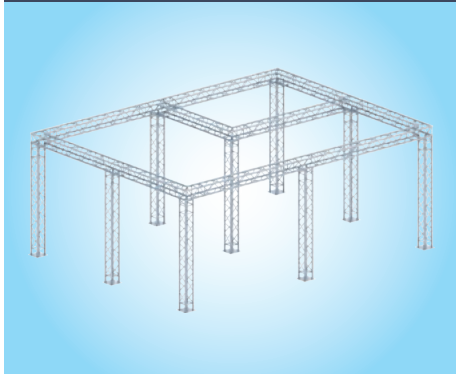
SpeedyScaf	Ref. No. 8102.258
Allround Scaffolding	Ref. No. 8116.254
System-free Accessories	Ref. No. 8103.256
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## NOTICE

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 m<sup>2</sup>. This includes more than 142,000 m<sup>2</sup> 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 1,600 dedicated Layher employees are creating more possibilities for our customers every single day. In more than 40 countries all over the world.



### MORE INFORMATION

Discover the world of Layher in its company film at:

[yt-image-en.layher.com](http://yt-image-en.layher.com)



### MORE SPEED

We can supply large quantity of the right products at the right time – to anywhere in the world. Layher has subsidiaries in more than 40 countries in all five continents, with a tight-knit network of national service centers. Speed is also the motto of our logistics concept. Customers have the choice of picking up their material at a Layher service center or having it delivered either to a warehouse or “just in time” directly to the site.



### MORE EXPERIENCE

Tradition has grown into experience and expertise. Our experts pass on this knowledge – all over the world. Existing customers might want to try a different approach, while new customers might need support when assembling a Layher scaffolding structure. Layher’s specialists get to grips with the specific tasks and requirements, devising for our customers persuasive solutions that are both profitable and efficient. Good advice from Layher is guaranteed. We take care of our customers at every level, because cooperation with them on the basis of mutual trust as well as their success are important to us.



### MORE KNOWLEDGE

Further training is the key to success. For this reason, Layher organizes regular training seminars that prepare our customers for current and future challenges specifically in scaffolding. This training scheme is backed up by many others options, for example practical product training courses and regular meetings for scaffolding erectors to promote the flow of information between experts and colleagues. And last but not least, Layher offers comprehensive publications on topics to do with scaffolding construction.



### MORE CLARITY

Saving time, using material in the best way, improving logistics. All that can be done with Layher’s planning software LayPLAN CLASSIC and LayPLAN CAD. Layher software means greater reliability when budgeting and planning scaffolding construction projects. Optimization of inventory management and complete cost transparency for the material used in a project. Once the dimensions and the required assembly variant have been entered, the Layher software supplies a scaffolding proposal with matching material list within seconds.



### MORE QUALITY

People talk a lot about quality. We just produce it. Quality from Layher means state-of-the-art production processes, carefully selected materials, smart automation and a highly qualified workforce. Our products comply with the latest security standards and possess DIN ISO certification. German TÜV approval, and many other German and international quality labels. 21,000 kilometres of steel tubing in high-quality workmanship are convincing testimony to Layher’s quality standards.

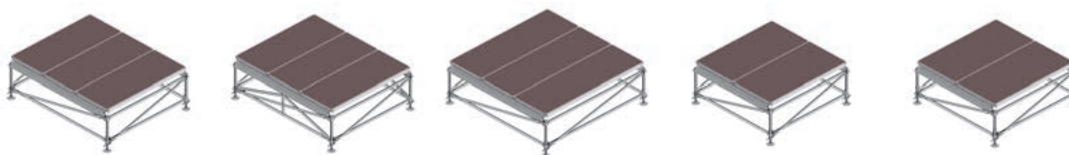
# LAYHER EVENT SYSTEMS

## 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/m<sup>2</sup>. 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/m <sup>2</sup>	7.5 kN/m <sup>2</sup>	5.0 kN/m <sup>2</sup>	7.5 kN/m <sup>2</sup>	7.5 kN/m <sup>2</sup>



\* 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.

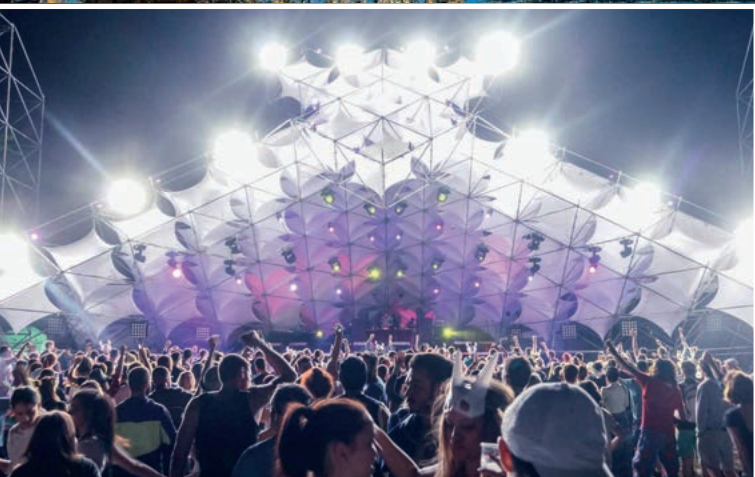
### ▶ Allround base

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.





## Basic components

The **Event decks 1** and **2** up to 2.07 m in length are designed for a load of 7.5 kN/m<sup>2</sup>. The Event deck 2.57 m without transom support can bear 5 kN/m<sup>2</sup>.

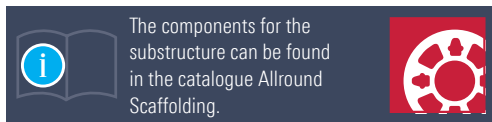
The removable **Plastic corners 8** ensure that the vertical tubes can pass through. The coated plywood board is braced with aluminium rungs.

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.

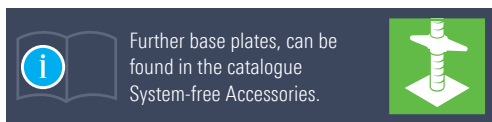
The 18 cm high **Event transom 3** of aluminium section with connecting wedge heads of galvanised steel holds the Event decks. The load-bearing capacity of the 2.57 m long Event crosspiece can be increased by reinforcement with the **Transom support 4** from 5 kN/m<sup>2</sup> to 7.5 kN/m<sup>2</sup>. Every side of the Event deck can be beared into the transoms.

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 the **Square half-coupler 6** to be fitted to the edge of the podium to prevent shifting.

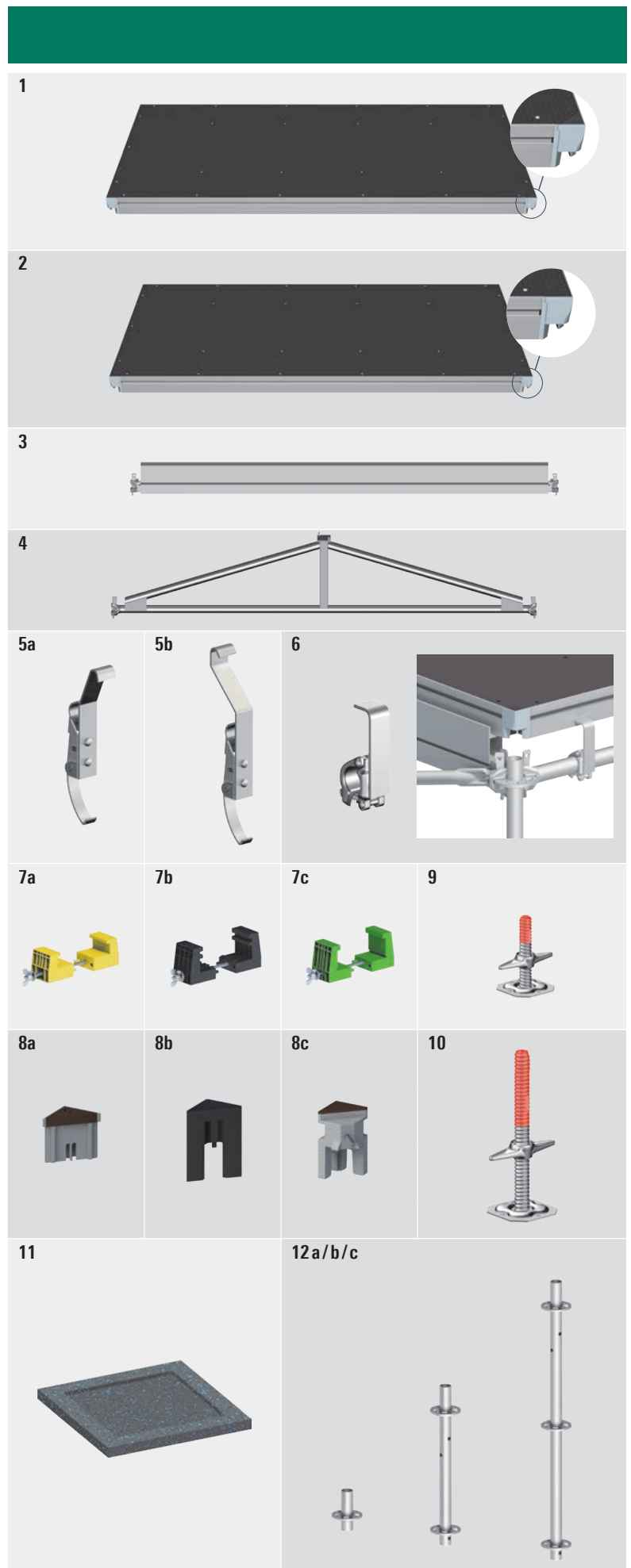


The **base plate 20 9** and the **base plate 40 10** are used especially in stand construction at the lowest stand rows.



The **rubber pad 11** must not be used as load-distributing base. It minimizes slippery of the structure.

The **Standard 0.67 m 12b** and **Standard 1.17 m 12c** are used for podiums with heights of 0.80 m or 1.30 m and obviate the need for the base collar. The assembly runs faster and ballasting can be placed on the lowest scaffolding level.



Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	EV 86	EV 86C	EV 100	EV 104
1	<b>Event deck T16</b> 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	<b>X-Event deck T16</b> 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	<b>Event transom</b>	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	<b>Transom support</b> increases permissible load on the EV 86+ system	2.57 x 0.50	21.2	40	5400.100	▶			
5a	<b>Tension clasp T16</b> for Event deck	0.16	2.5	50	5403.516	▶	▶	▶	▶
5b	<b>Tension clasp for transom,</b> for Event deck T1, T4, T7 and T10	0.16	2.6	50	5403.514	▶	▶	▶	▶
6	<b>Square half-coupler</b>		1.4		5403.510	▶	▶	▶	▶
7a	<b>Clamp T16</b> , for coupling Event decks, yellow		0.3	40	5403.518	▶	▶	▶	▶
7b	<b>Clamp T10, T7</b> , for coupling Event decks, black		0.4	40	5403.506	▶	▶	▶	▶
7c	<b>Clamp T4, T1</b> , for coupling Event decks, green		0.3		5403.502	▶	▶	▶	▶
8a	<b>Plastic corner</b> , spare part for Event deck, from YOM 2016		3.5	50	5403.519	▶	▶	▶	▶
8b	<b>Plastic corner</b> , spare part for Event deck, YOM 2004–2016		3.4	50	6494.101	▶	▶	▶	▶
8c	<b>Plastic corner incl. bolt</b> , spare part for Event deck, YOM 2001–2004		4.5	50	6494.100	▶	▶	▶	▶
9	<b>Base plate 20</b> max. spindle travel 10 cm	0.20	2.3	200	5602.020	▶	▶	▶	▶
10	<b>Base plate 40</b> max. spindle travel 25 cm	0.40	2.9	200	4001.040	▶	▶	▶	▶
11	<b>Rubber pad for base plate</b> for slip-reduction on solid grounds like concrete, asphalt, stone or timber, protects sensitive deckings from damages.	0.20 x 0.20	0.4		4000.500	▶	▶	▶	▶
12a	<b>Base collar, short</b>	0.17	1.1	250	5601.000	▶	▶	▶	▶
12b	<b>Standard</b> , 0.67 m, with 2 rosettes, without spigot, with integrated base collar	0.67	3.6	200	2604.066	▶	▶	▶	▶
12c	<b>Standard</b> , 1.17 m, with 3 rosettes, without spigot, with integrated base collar	1.17	6.1	28	2604.116	▶	▶	▶	▶

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

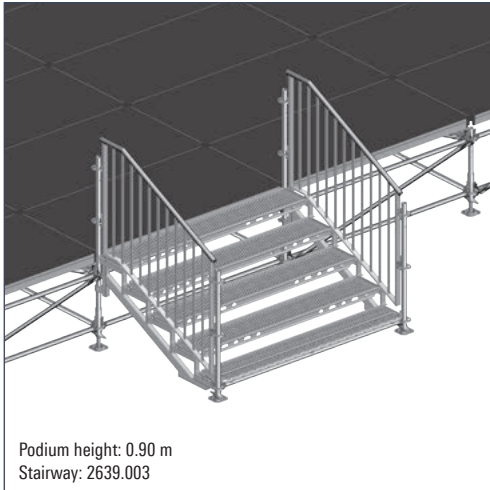
## Guardrails and stairways for stages

Side protection of the stage is provided by **Handrails 2** or **Guardrails with child safety features 3**.

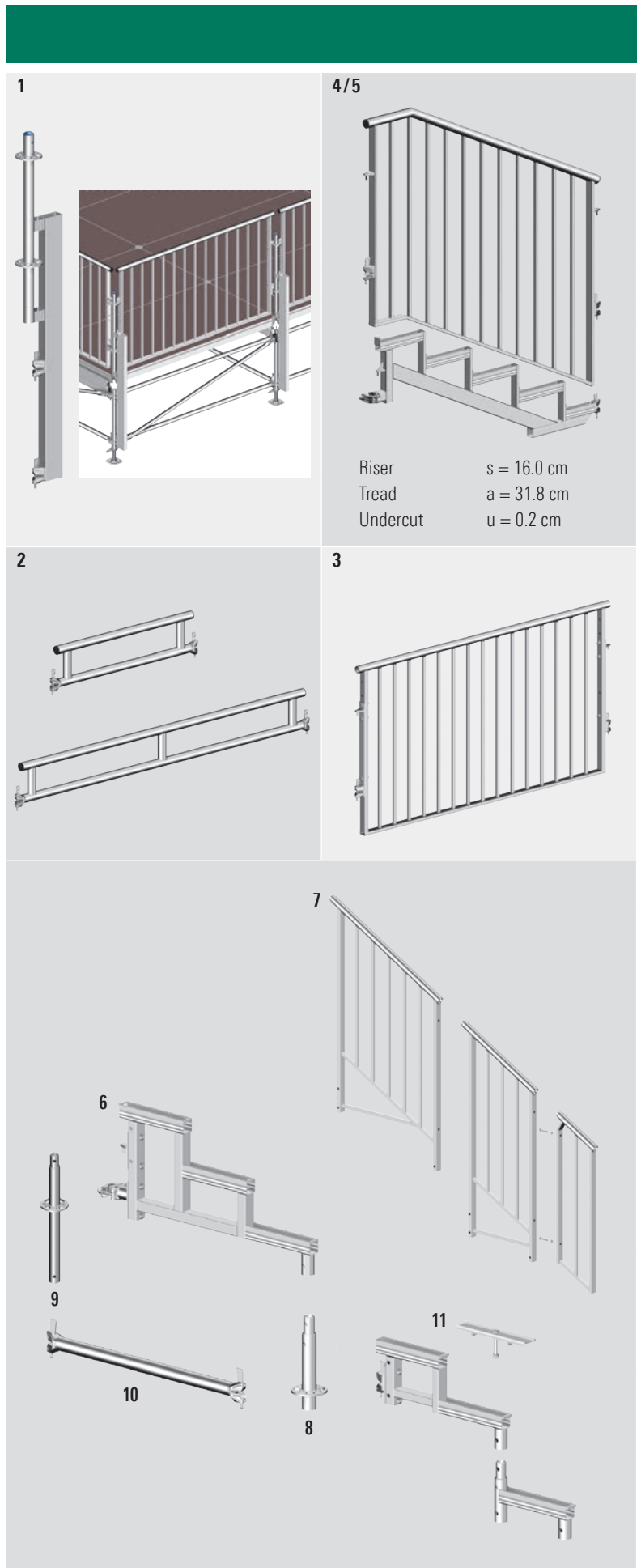
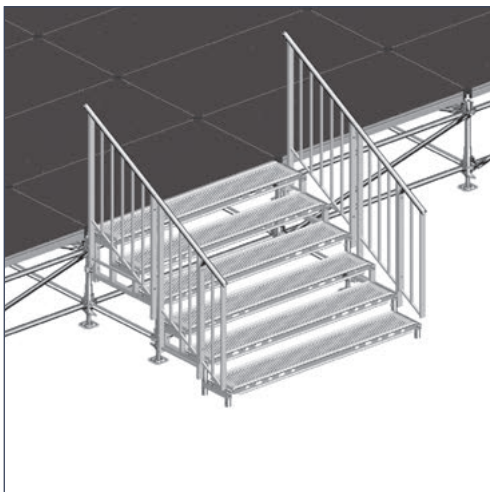
The **stairway stringer 5** fits exactly to the height of the Event decks. Thus it is always as top step. Depending on the podium height, the stairway can be extended with different stairway stringers.



In combination of different stairway stringers, the possibly different stairway dimension must be pointed out. For further information, please see catalogue Allround Scaffolding..



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-ledge 0.90 m 10**. If required, stairway guardrails are attached. The bolts needed for guardrail assembly are included with every stairway guardrail. The guardrails are not suitable for public areas.



Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	EV 86	EV 86G	EV 100	EV 104	
1	<b>Guardrail post for podium</b>	1.64	13.8	20	<b>5406.000</b>	▶	▶	▶	▶	
2	<b>Handrail T13</b> handrail height 1.00 m	1.00	7.9	40	<b>5417.100</b>			▶		
		1.04	8.1	40	<b>5417.104</b>			▶		
		2.00	15.0	40	<b>5417.200</b>			▶		
		2.07	15.4	40	<b>5417.207</b>	▶		▶		
		2.57	18.7	40	<b>5417.257</b>	▶	▶			
3	<b>Guardrail with child safety feature T12</b> guardrail height 1.10 m, connection elements height adjustable for use with Event or scaffolding decks	0.86	18.5	25	<b>5409.086</b>			▶		
		1.00	19.8	25	<b>5409.100</b>			▶		
		1.04	20.0	25	<b>5409.104</b>			▶		
		1.57	25.8	25	<b>5409.157</b>	▶				
		2.00	30.5	25	<b>5409.200</b>			▶		
		2.07	30.8	25	<b>5409.207</b>	▶			▶	
		2.57	35.8	25	<b>5409.257</b>	▶	▶			
4	<b>Stairway guardrail 750 with child safety feature</b> for stairway stringer Pos. 5	1.00 x 1.57	22.0	25	<b>2616.106</b>	▶	▶	▶	▶	
5	<b>U-Stairway stringer 750 with half-coupler</b> with 5 steps	1.00 x 1.57	28.0	20	<b>2639.003</b>	▶	▶	▶	▶	
6	<b>Stringer for modular stairway</b>	1-step	0.30	2.4	50	<b>5407.001</b>	▶	▶	▶	▶
		2-step	0.60	5.5	50	<b>5407.002</b>	▶	▶	▶	▶
		3-step	0.90	8.0	20	<b>5407.003</b>	▶	▶	▶	▶
7	<b>Guardrail for modular stairway</b>	1-step	0.30 x 1.10	6.5	40	<b>5407.011</b>	▶	▶	▶	▶
		2-step	0.60 x 1.10	14.0	25	<b>5407.012</b>	▶	▶	▶	▶
		3-step	0.90 x 1.10	16.0	25	<b>5407.013</b>	▶	▶	▶	▶
8	<b>Base collar for modular stairway, 0.26 m</b> with spigot	0.26	2.0	450	<b>5407.021</b>	▶	▶	▶	▶	
9	<b>Standard for modular stairway, 0.59 m</b> with spigot	0.59	3.1	250	<b>5407.022</b>	▶	▶	▶	▶	
10	<b>O-ledger LW, 0.90 m</b>	0.90	3.4	50	<b>2601.090</b>	▶	▶	▶	▶	
11	<b>Lift-off preventer, 0.29 m, with bolt</b>	0.29	0.4	300	<b>5407.030</b>	▶	▶	▶	▶	

For further stairways and access assemblies, see Allround Scaffolding System Catalogue.

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

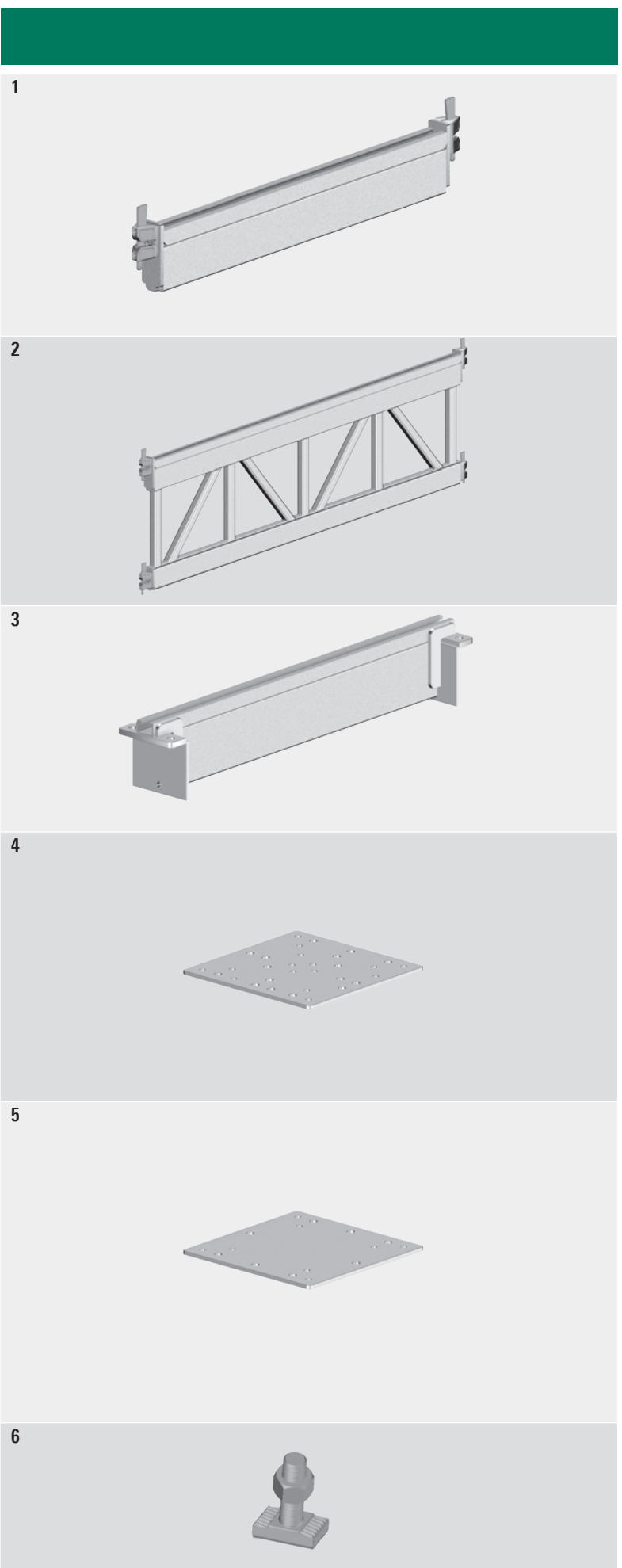
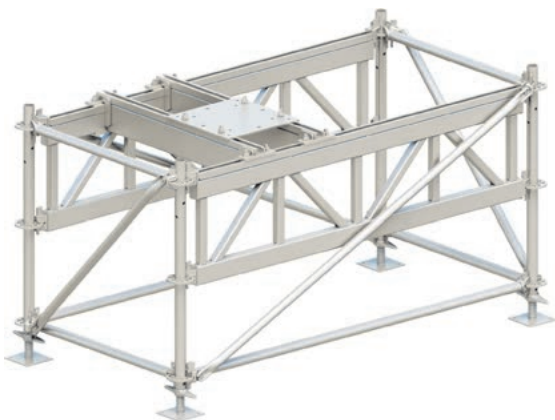
## Universal base

Since the release of the new guidelines for temporary structures (EN 13814), the use of stage roofings is not possible anymore without combining it with a podium of Layher.

With the universal base, you can connect roofs efficiently to the Layher podium. The speciality of this solution is, that it is possible to adjust almost every position of the supports continuously.

If the base should be used for larger roofings, depending on the load bearing capacity, an additional support could be necessary.

- ▶ Dead weight of the podium, can be charged – thus lower ballasting.
- ▶ Forces, emitting by linkage, can be transmitted to the podium – thus lower ballasting.
- ▶ Higher headroom, thanks to fixation points on deck level.
- ▶ Quick assembly of the podium, the universal base and the well-known Allround Scaffolding.
- ▶ Topographic problems at the place of action, can be solved easily by using Allround Scaffolding.
- ▶ Complete system, with stairways, ramps and guardrails available.



Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	EV86	EV100	EV104
1	<b>Base beam</b> steel, hot-dip galvanized	0.86	13.0	1	5431.086 ☺	▶		
		1.00	15.5	1	5431.100 ☺		▶	
		1.04	16.1	1	5431.104 ☺			▶
		2.00	32.5	1	5431.200 ☺		▶	
		2.07	33.7	1	5431.207 ☺	▶		▶
2	<b>Base lattice beam</b> steel, hot-dip galvanized	0.86 x 0.50	38.2	1	5432.086 ☺	▶		
		1.00 x 0.50	38.5	1	5432.100 ☺		▶	
		1.04 x 0.50	39.1	1	5432.104 ☺			▶
		2.00 x 0.50	76.0	1	5432.200 ☺		▶	
		2.07 x 0.50	76.7	1	5432.207 ☺	▶		▶
3	<b>Truss-Transom</b> steel, hot-dip galvanized	0.86	27.8	1	5433.086 ☺	▶		
		1.00	28.9	1	5433.100 ☺		▶	
		1.04	29.0	1	5433.104 ☺			▶
		2.00	47.3	1	5433.200 ☺		▶	
		2.07	48.6	1	5433.207 ☺	▶		▶
4	<b>Base plate type 1</b> steel, hot-dip galvanized, for H30V and H40V support with 31 drillings	0.41 x 0.41	25.0	1	5434.003 ☺	▶	▶	▶
5	<b>Base plate type 2</b> steel, hot-dip galvanized, for H30V and H40V support with 16 drillings	0.41 x 0.41	25.0	1	5434.002 ☺	▶	▶	▶
6	<b>Special bolt</b> , with nut HZS 53 x 34	M16 x 60	2.0	12 🏠	5434.012 🏠	▶	▶	▶

# 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.

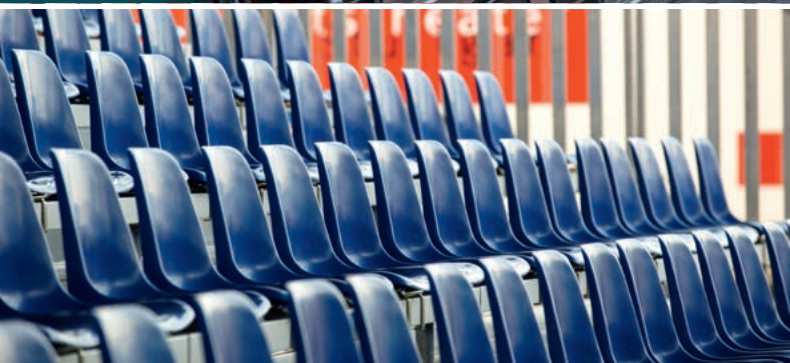
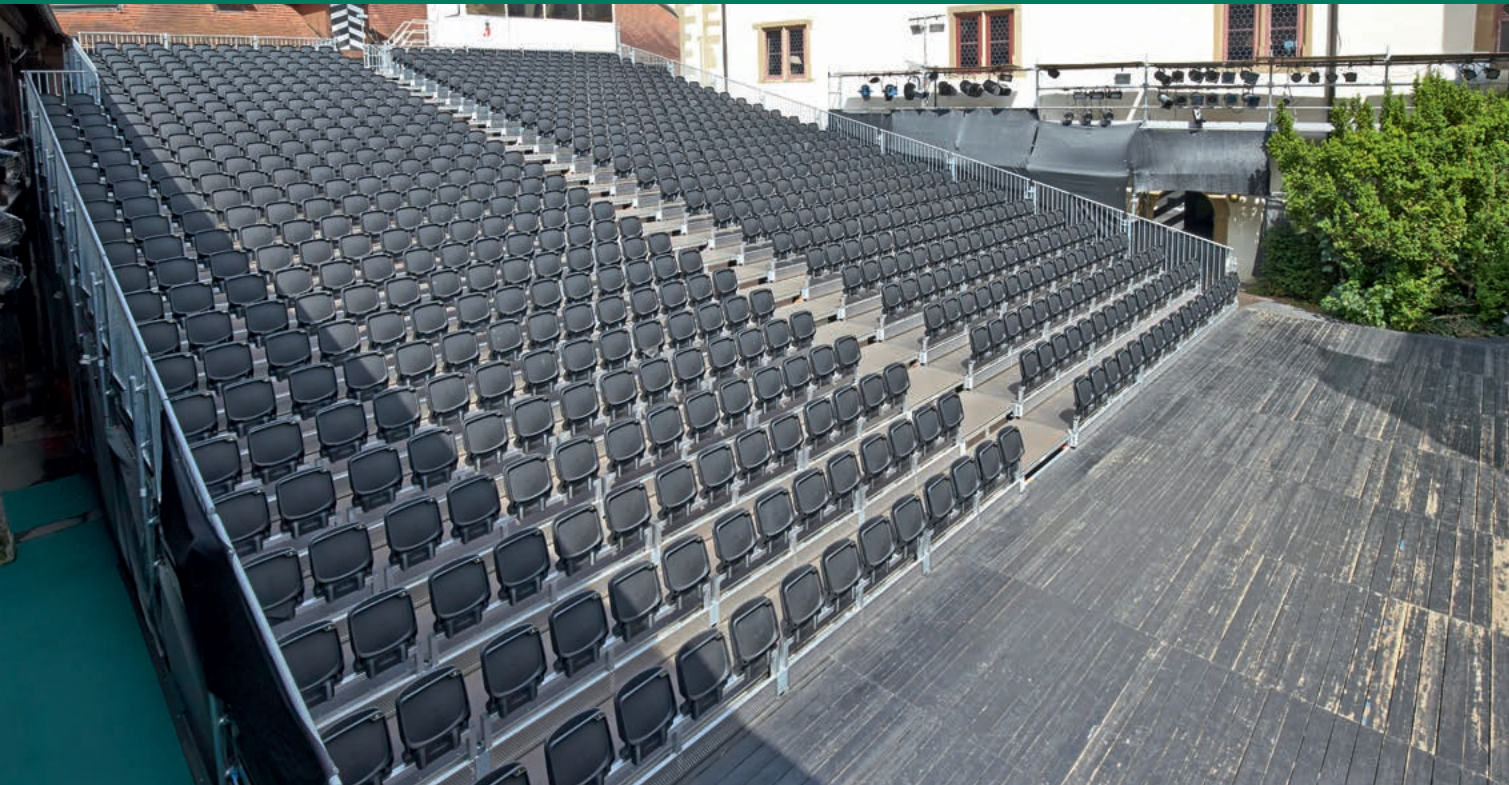
The Layher Event-System: Stands for sitting, all over the world and meeting client requirements. Series manufacture and high delivery readiness are our way to help you cut costs and achieve economic success; and tailor-made special solutions whenever necessary are our strengths.

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.

## YOUR BENEFITS AT A GLANCE

- ▶ **Standard solutions**  
Series material, rapid availability.
- ▶ **Substructure Allround**  
High load-bearing capacity, rapid and flexible erection and dismantling, choice of accessories.
- ▶ **Handy components**  
Easy to transport and store, palletizable.
- ▶ **Special design**  
for individualized problem solutions.





## Basic components and guardrails for stands

The **Stand element, 1-step 1** with a standard rise of 250 mm is used for the Event systems EV 100 and EV 104.

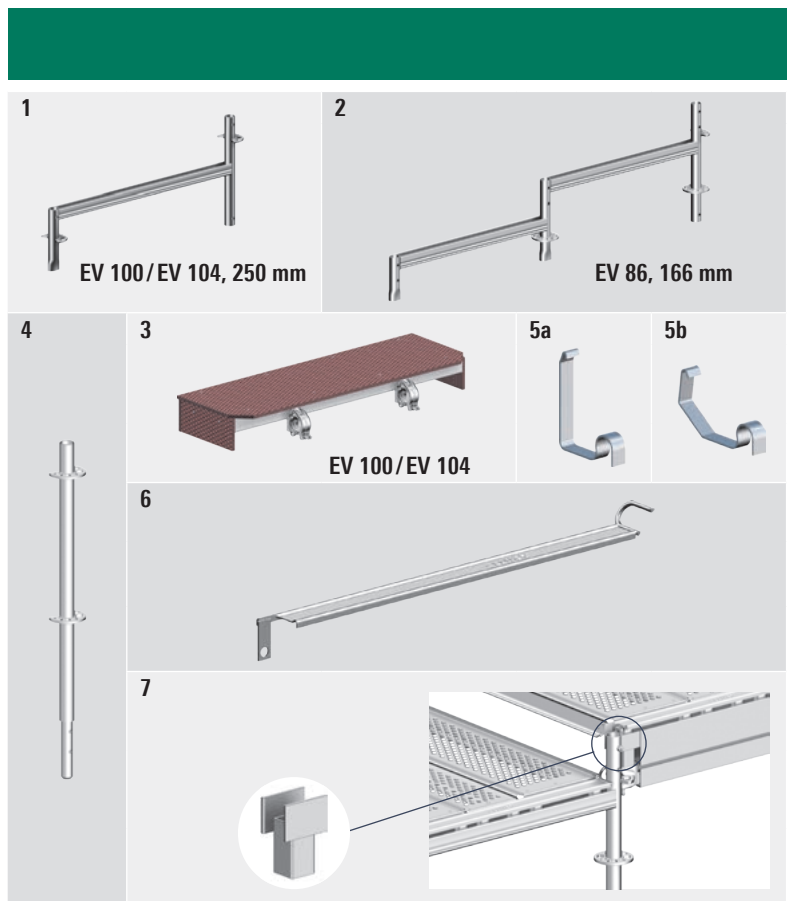
The **Stand element, 2-step 2** is used for the Event system EV 86.

When Event decks are used, the **Lock against lift-off 5** is required to prevent the Event decks from lifting off and tilting.

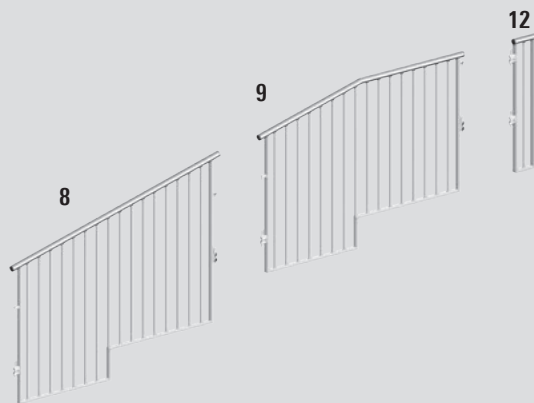
Alternatively, conventional steel decks can also be used, which is to be recommended especially for outdoor events. Here the **Lock against lift-off 6** and the **Steel deck support 7** are used.

The **Guardrail standard 0.96 m 4** with the bottom mounted spigot, is used to guide the Allround standards out of the substructure. For side guardrails, however, this standard must be additionally reinforced.

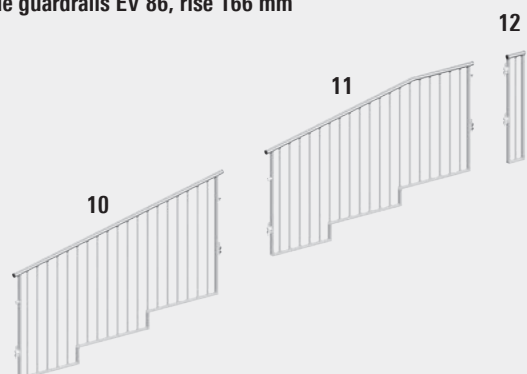
The components shown here are showcase. For the different stand variants, showing in table on page 7, further stand components are available. These are stand elements, intermediate steps, guardrails and guardrail posts for each type of stand.



Side guardrails EV 100/EV 104, rise 250 mm



Side guardrails EV 86, rise 166 mm



Guardrail posts, suitable for your stand system – upon request

Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	EV 86	EV 86Q	EV 100	EV 104
1	<b>Stand element</b> 1-step	1.00 x 0.25	6.6	40	5401.010				
		1.04 x 0.25	6.7	40	5401.020				
2	<b>Stand element</b> 2-step	1.71 x 0.33	10.5	30	5401.030				
3	<b>Intermediate step</b> 0.30 x 0.12 x L, with 2 half couplers	L = 1.00	8.4		5402.110				
		L = 1.25	10.5		5402.130				
4	<b>Guardrail standard</b> , 0.96 m with bottom mounted spigot and 2 cutaway rosettes	0.96	4.9	20	5405.045				
5a	<b>Lift-off preventer</b> for Event deck T1, T4, T7 and T10	0.10	0.04		5403.501				
5b	<b>Lift-off preventer T16</b> for Event deck		2.0	50	5403.517				
6	<b>Lift-off preventer for steel decks</b>	0.86	1.6		5403.007				
	<b>Bolt M10 x 70</b> with nut		3.5	50	5403.009				
7	<b>Steel deck support</b>	0.10	0.4		5403.006				
8	<b>Side guardrail T12</b> 2-step	2.00 x 1.10	32.2	25	5410.201				
		2.07 x 1.10	32.5	25	5410.204				
9	<b>Side end guardrail T12</b> 2-step	2.00 x 1.10	30.4	25	5410.202				
		2.07 x 1.10	30.7	25	5410.206				
10	<b>Side guardrail T12</b> 3-step	2.57 x 1.10	35.2	25	5410.301				
11	<b>Side end guardrail T12</b> 3-step	2.57 x 1.10	34.3	25	5410.302				
12	<b>Corner guardrail</b> , top steel	1.10 x 0.28	11.2	40	5410.303				

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

## Benches and bucket 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.

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

Benches are secured with wedges:

**Short wedges 6** are needed at the edge of the stand.

**Bench ends 2** are fitted at the access to the stand.

**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

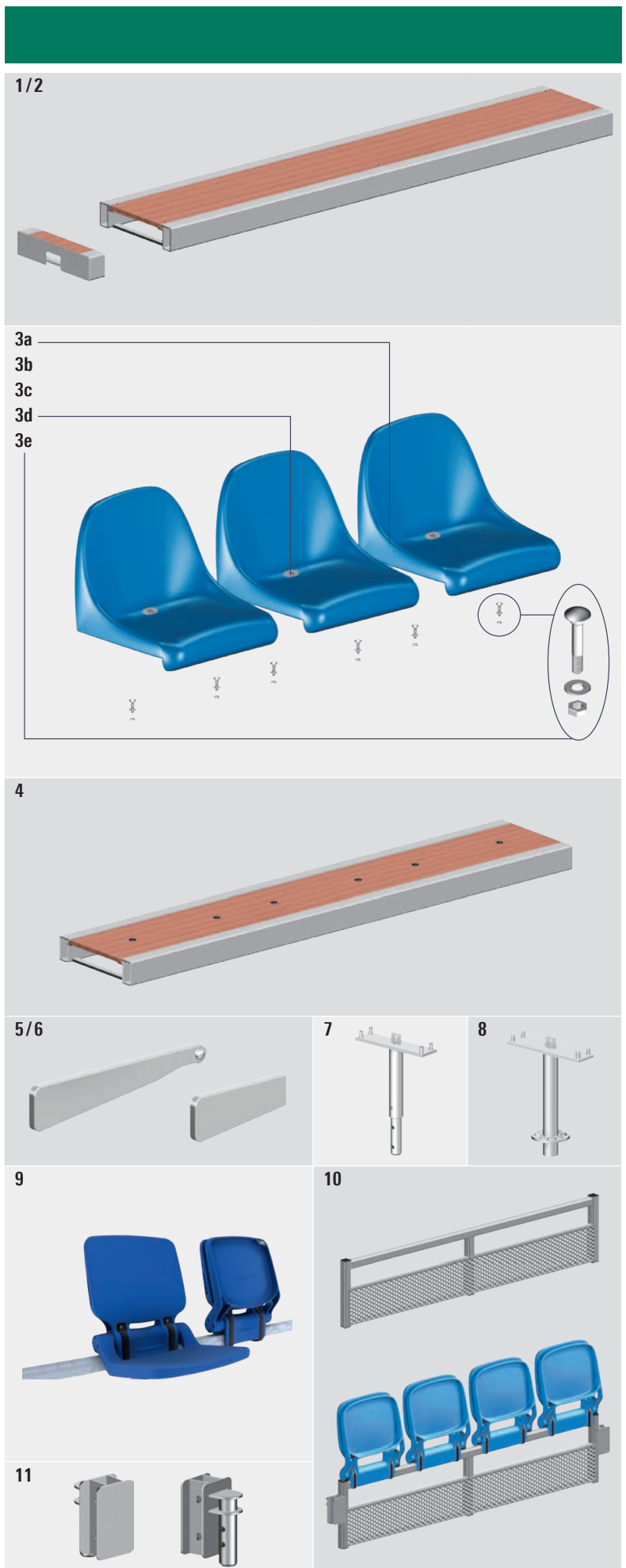
1 plug, left

1 plug, right

Number plate without lettering, white.

Alternatively, your own chairs can be placed on the Event stand EV 100 & EV 104.

For the first row of seat you need the **Seat support with rosette 8**.



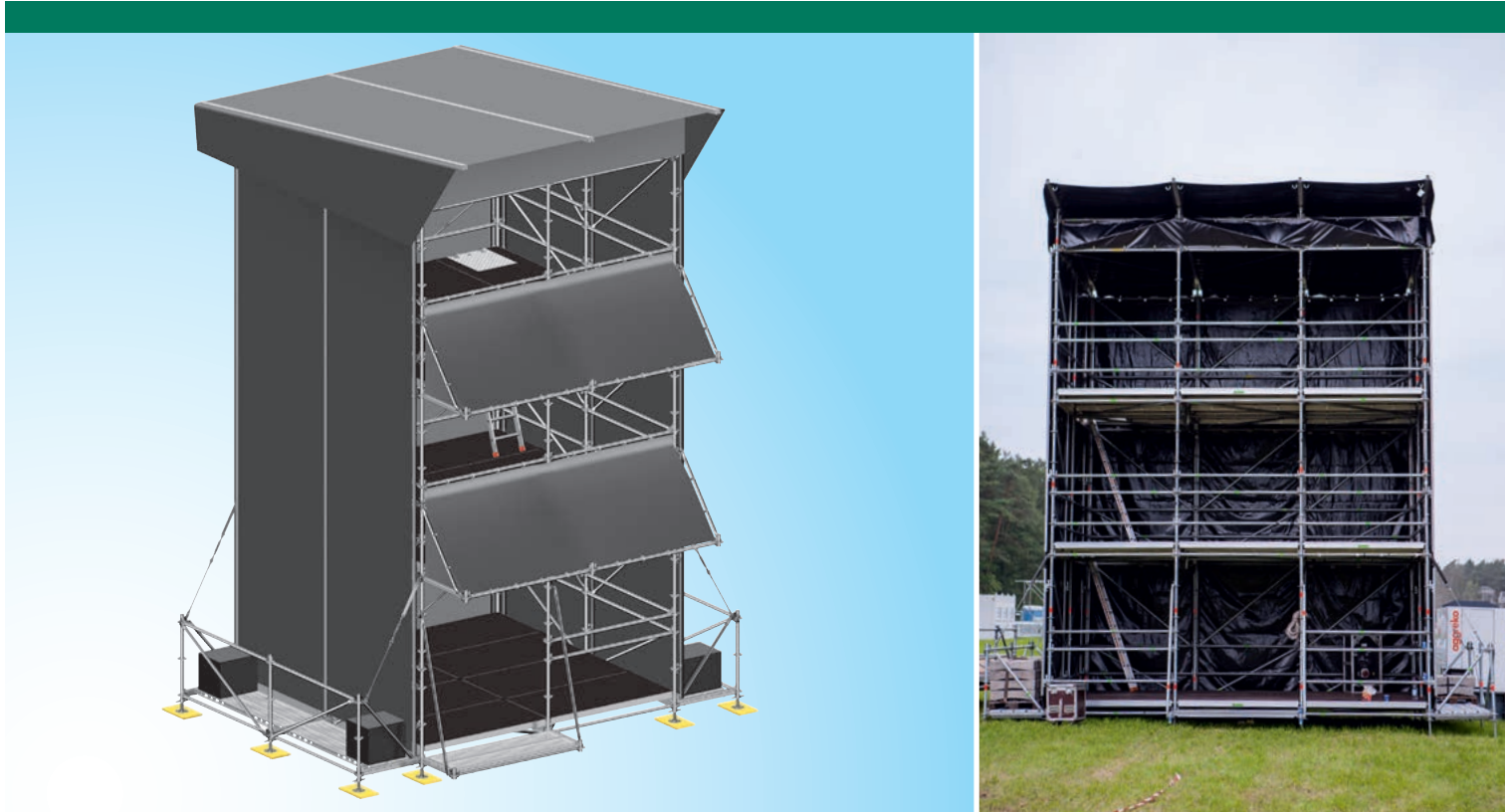
Different **tip-up seats 9** can be mounted to the existing stand structure using the suitable **frames 10** and **adapters 11**.

Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	EV 86	EV 86Q	EV 100	EV 104
1	<b>Bench</b> anodised aluminium, coated plywood	1.57 x 0.30	7.2		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	<b>Bench end</b> anodised aluminium, coated plywood	0.06 x 0.30	0.5		5624.000	▶	▶	▶	▶
3a	<b>Novanta bucket seat</b> , blue UV-protected and flame-retardant	0.40 x 0.43	1.7	120	5408.021	▶	▶	▶	▶
3b	<b>Plug</b> , left, blue		0.1	20	5408.026	▶	▶	▶	▶
3c	<b>Plug</b> , right, blue		0.1	20	5408.027	▶	▶	▶	▶
3d	<b>Number plate</b> , without lettering, white		0.2	20	5408.025	▶	▶	▶	▶
3e	<b>Assembly-Set for 20 bucket seats</b> existing of 40 bolts M8 x 40, 40 nuts and 40 washers		1.2	120	5408.007				
4	<b>Bench</b> , 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	<b>Allround wedge</b> steel, for securing bench, without rivets	0.14	3.3	25	6494.916		▶	▶	▶
			13.0	100	6494.918		▶	▶	▶
6	<b>Allround wedge</b> , short, 90 mm without holes, for securing bench at edge of stand	0.09	1.0	10	6494.965		▶	▶	▶
7	<b>Bench adaptor</b>	for rise 16.7 cm	0.42	3.7	350	5406.010	▶	▶	
		for rise 25.0 cm	0.34	3.4	350	5406.015			▶
8	<b>Seat support with rosette</b> for bottom rows	0.34	4.0	300	5619.000	▶	▶	▶	▶
9	<b>Tip-up seat</b> UV-protected and flame-retardant available in 10 different colours				on request	▶	▶	▶	▶
10	<b>Aluminium frame for tip-up seats</b> suitable for all inclinations	1.04			on request	▶	▶	▶	▶
		1.50			on request	▶	▶	▶	▶
		1.57			on request	▶	▶	▶	▶
		2.00			on request	▶	▶	▶	▶
		2.07			on request	▶	▶	▶	▶
		2.57			on request	▶	▶	▶	▶
11	<b>Adapter for frame for tip-up seats</b> suitable for all inclinations	0.19 x 0.10	3.0		on request	▶	▶	▶	▶

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

# 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

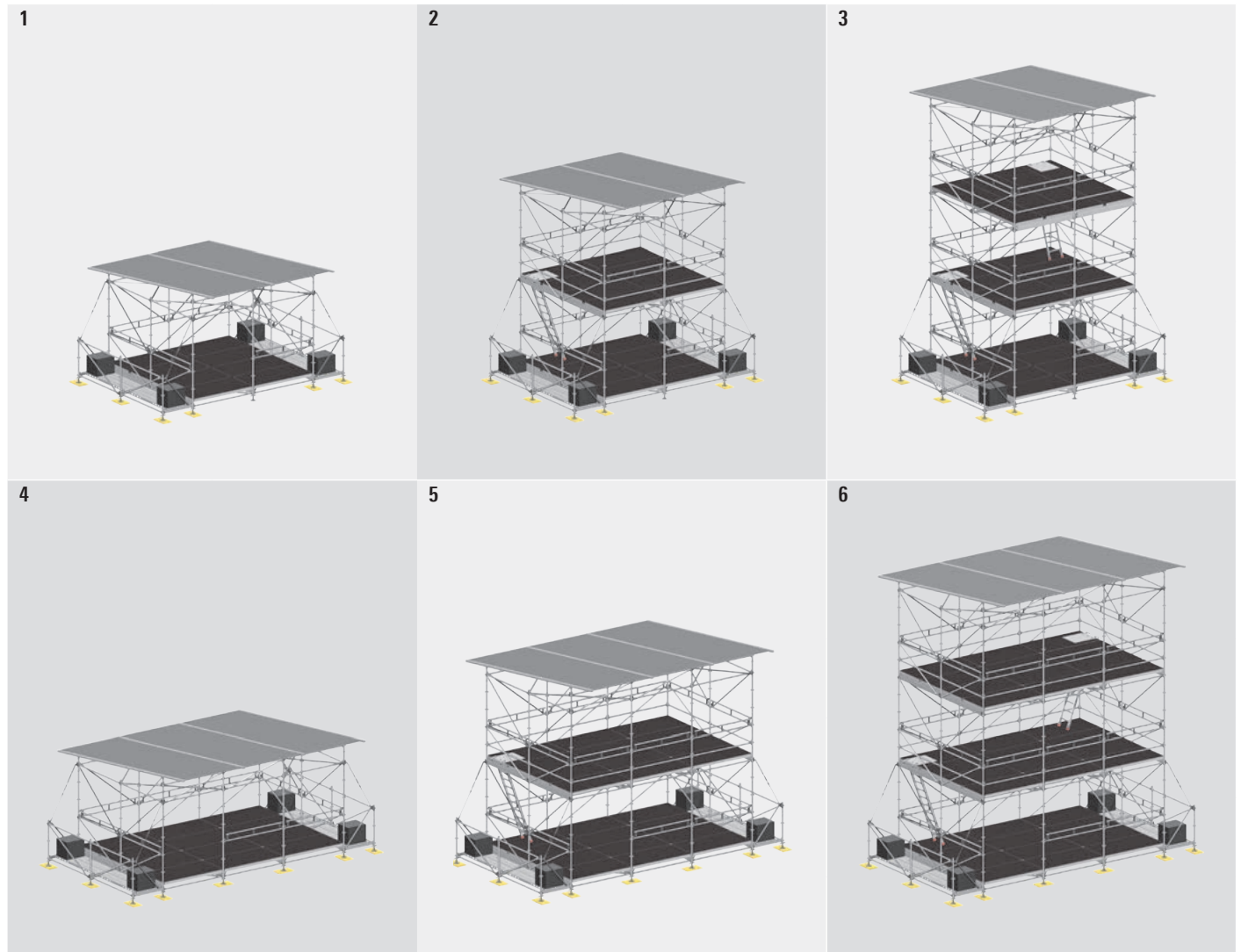
The Kit System and Layher's flexible Allround equipment offers an impressive variability.

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!

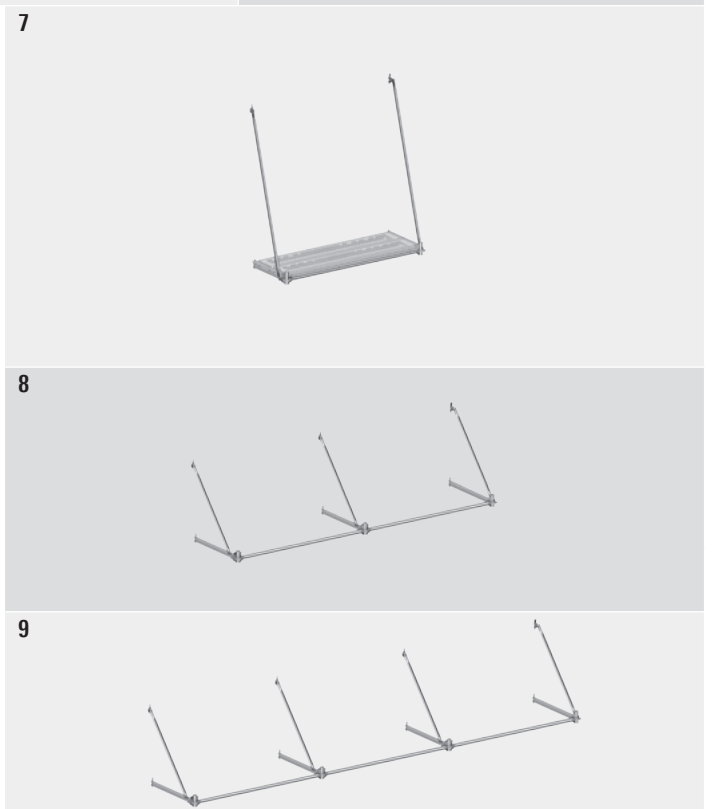
## YOUR BENEFITS AT A GLANCE

- ▶ 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).




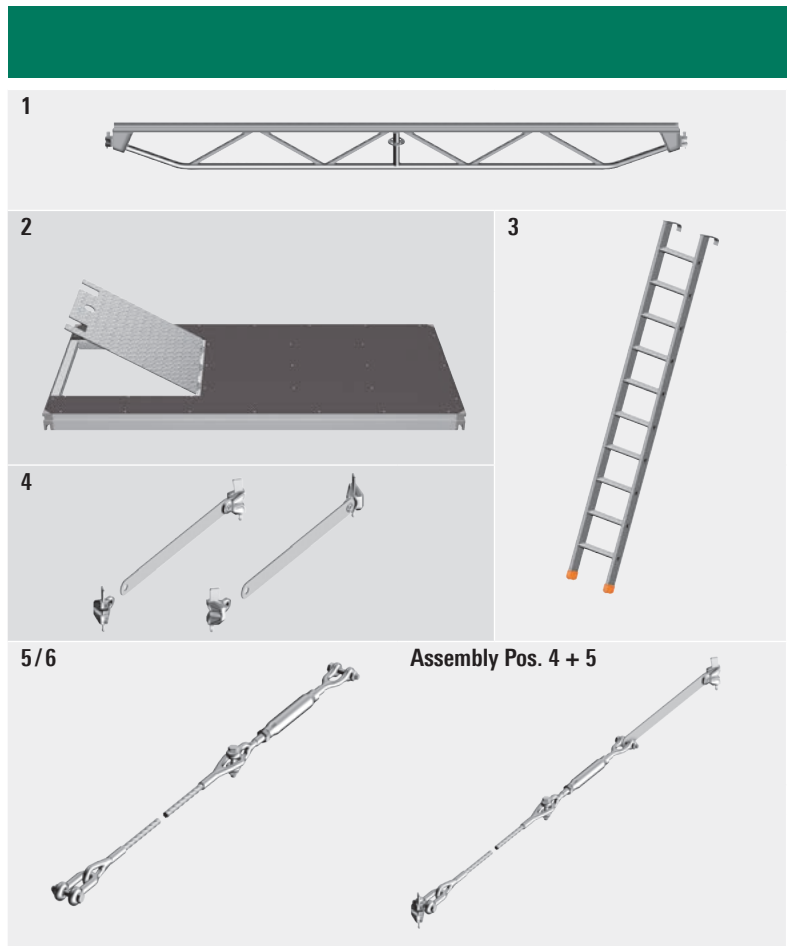


The Layher FOH Towers are of modular design in a kit system. To add a further storey to your FOH tower, it's only necessary to adjust the number of parts, but not their type. A separate inspection book is available for FOH Tower 4.14 m x 4.14 m (4 x 4) and FOH Tower 6.21 m x 4.14 m (6 x 4). The design and the inspection books conform to the latest standard EN 13814 and so reflect the state of the art. The Layher FOH Tower is available in the familiar Layher standard configuration and in a metric version.





Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	FOH Tower with 1 storey	4.00 x 4.00			5060.050
		4.14 x 4.14			5060.450
2	FOH Tower with 2 storeys	4.00 x 4.00			5060.051
		4.14 x 4.14			5060.451
3	FOH Tower with 3 storeys	4.00 x 4.00			5060.052
		4.14 x 4.14			5060.452
4	FOH Tower with 1 storey	6.00 x 4.00			5060.060
		6.21 x 4.14			5060.460
5	FOH Tower with 2 storeys	6.00 x 4.00			5060.061
		6.21 x 4.14			5060.461
6	FOH Tower with 3 storeys	6.00 x 4.00			5060.062
		6.21 x 4.14			5060.462
7	FOH entrance	2.00			5060.057
		2.07			5060.457
8	FOH projecting roof for 2 bays	4.00			5060.056
		4.14			5060.456
9	FOH projecting roof for 3 bays	6.00			5060.066
		6.21			5060.466
10	Support for reaching an inspection book all FOH Tower variants			2.0	5400.150 

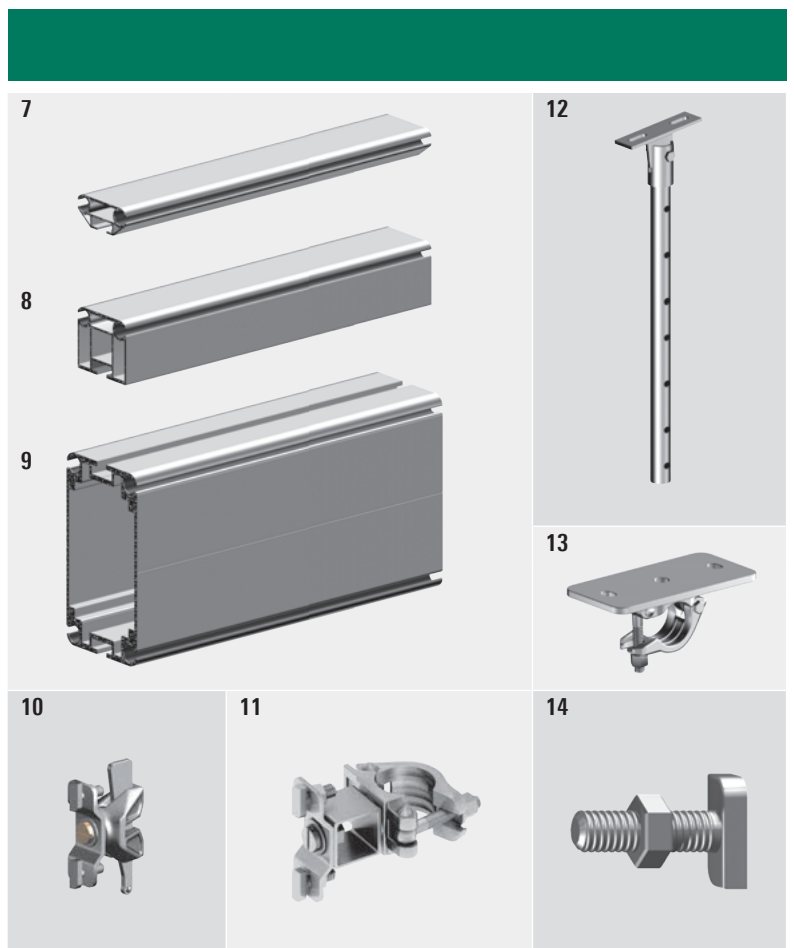


### Roof and wall cladding

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.



Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	EV 86	EV 100	EV 104
1	FOH beam	4.00	38.1		5573.010			▶
		4.14	38.6		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		5573.021		▶	▶
4	FOH rope holder set 4 parts for connection of the ballast bays		2.7		5573.002		▶	▶
5	Rope fastener for ballast bays	1.20	1.3		5573.005		▶	▶
6	Rope fastener for roof stiffening	as HD 4.00 x 4.00 m	5.57	7.5	5573.003		▶	▶
		as HD 4.14 x 4.14 m	5.77	7.6	5573.004		▶	▶

Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.			
7	Aluminium keder rail 2000 for side tarpaulins	2.50	3.8		4201.250			
8	Aluminium keder rail 3000 for roof tarpaulins	2.00	6.1		5574.200			
		3.00	9.2		5574.300			
		4.00	12.2		5574.400			
		5.00	15.3		5574.500			
		6.00	18.3		5574.600			
9	Aluminium keder rail 9000	5.00	54.8		5577.500			
		6.00	65.8		5577.600			
		9.00	98.7		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

# 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.


## Alu truss systems

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.



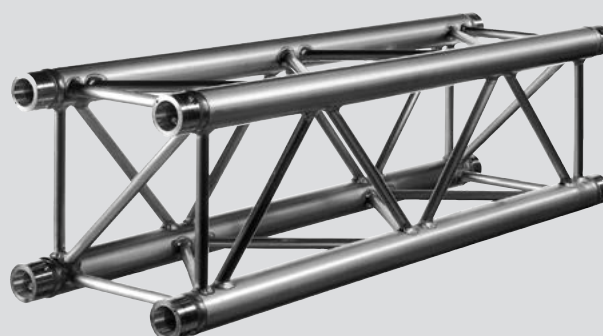
 During the assembly of many truss structures, ladders and rolling towers are a constant companion. Order the catalogue access technology 



























 The truss systems will be delivered without connectors – see page 32 / 33.

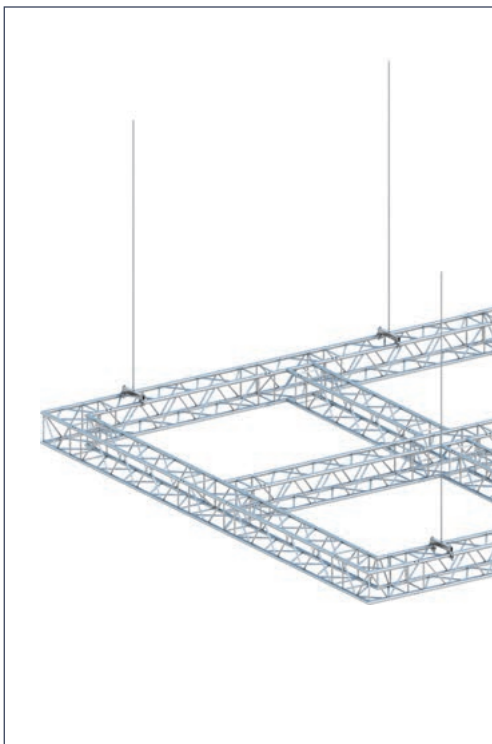
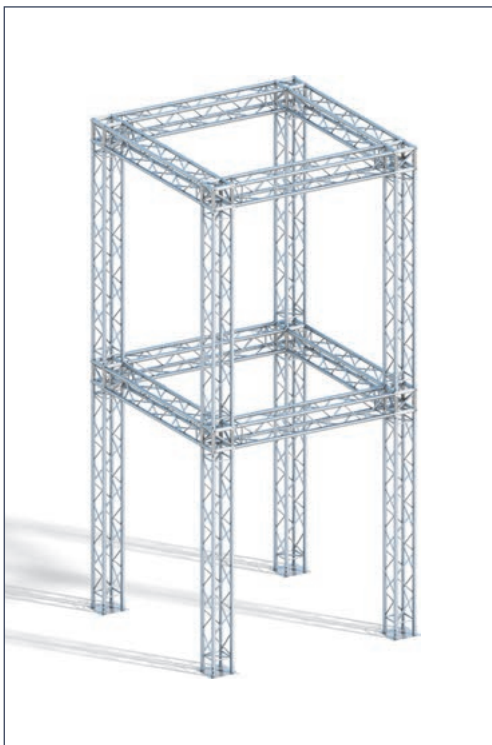
1



2



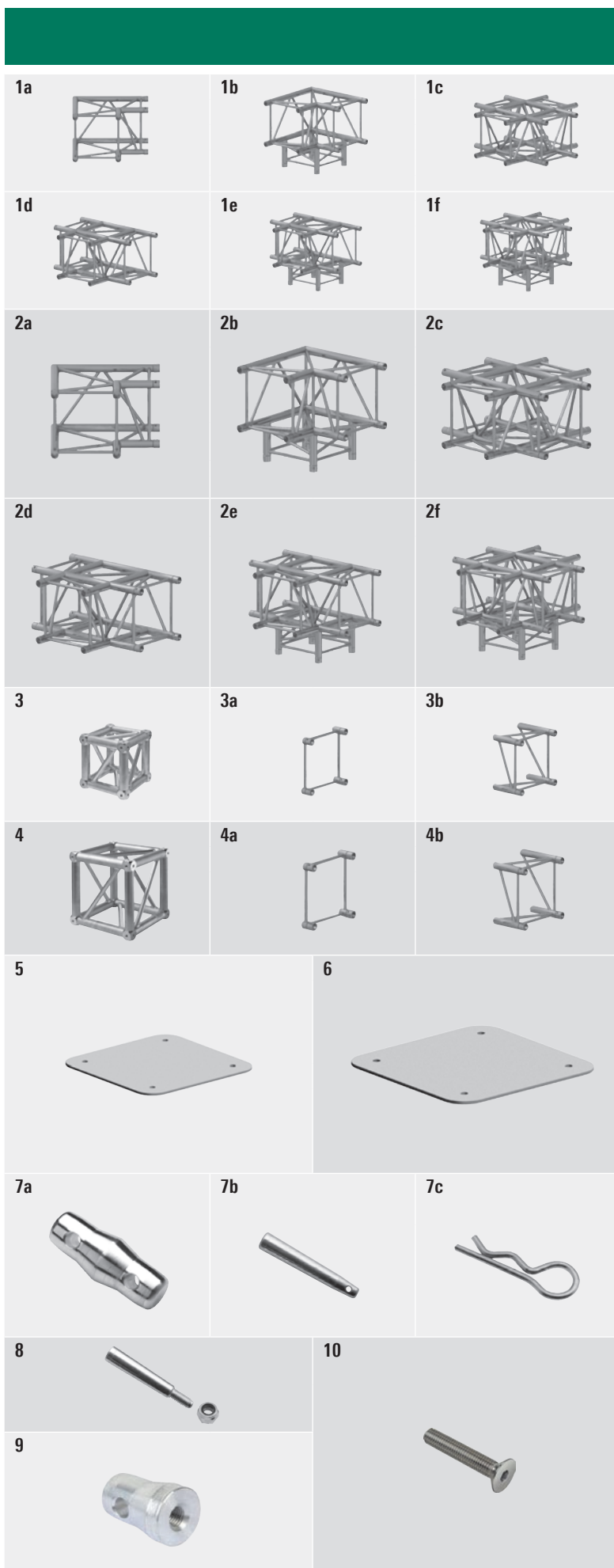
Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	Truss H30V, aluminium straight, 4-chord, external dimension 287 mm	0.25 x 0.29 x 0.29	2.5		5721.025 
		0.50 x 0.29 x 0.29	4.0		5721.050 
		0.71 x 0.29 x 0.29	5.1		5721.071 
		0.75 x 0.29 x 0.29	5.5		5721.075 
		1.00 x 0.29 x 0.29	6.8		5721.100 
		1.50 x 0.29 x 0.29	10.1		5721.150 
		2.00 x 0.29 x 0.29	12.5		5721.200 
		2.50 x 0.29 x 0.29	15.3		5721.250 
		3.00 x 0.29 x 0.29	18.9		5721.300 
		3.50 x 0.29 x 0.29	21.1		5721.350 
		4.00 x 0.29 x 0.29	23.9		5721.400 
		4.50 x 0.29 x 0.29	26.8		5721.450 
		5.00 x 0.29 x 0.29	29.6		5721.500 
2	Truss H40V, aluminium straight, 4-chord, external dimension 387 mm	0.25 x 0.39 x 0.39	3.4		5739.025 
		0.50 x 0.39 x 0.39	4.7		5739.050 
		0.75 x 0.39 x 0.39	6.3		5739.075 
		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		5739.150 
		2.00 x 0.39 x 0.39	18.2		5739.200 
		2.50 x 0.39 x 0.39	17.7		5739.250 
		3.00 x 0.39 x 0.39	20.8		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 
		4.50 x 0.39 x 0.39	30.3		5739.450 
		5.00 x 0.39 x 0.39	32.7		5739.500 



For the assembly of the truss systems, for every chord-tube will be necessary: 1 x **7a** and 2 x **7b** and 2 x **7c**.

For the **base plates 5 and 6**, conic **half connectors 9** and countersunk bolts are necessary.

For permanent installations, we recommend **bolts and nuts 8** instead of **bolts with securing pins 7c**.





Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
<b>1</b>	<b>Truss corners H30V</b> , aluminium				
<b>a</b>	2-way, 90 degree	0.50 x 0.30 x 0.50	5.3		<b>5723.003</b>
<b>b</b>	3-way, 90 degree	0.50 x 0.50 x 0.50	6.8		<b>5723.012</b>
<b>c</b>	4-way, cross	0.71 x 0.30 x 0.71	10.2		<b>5723.016</b>
<b>d</b>	3-way, T-piece	0.71 x 0.30 x 0.50	8.1		<b>5723.017</b>
<b>e</b>	4-way, T-piece	0.71 x 0.50 x 0.50	10.1		<b>5723.020</b>
<b>f</b>	5-way	0.71 x 0.50 x 0.71	11.9		<b>5723.024</b>
<b>2</b>	<b>Truss corners H40V</b> , aluminium				
<b>a</b>	2-way, 90 degree	0.60 x 0.40 x 0.60	7.0		<b>5741.003</b>
<b>b</b>	3-way, 90 degree				
<b>c</b>	4-way, cross	0.60 x 0.60 x 0.60	9.2		<b>5741.012</b>
<b>d</b>	3-way, T-piece	0.80 x 0.40 x 0.80	12.8		<b>5741.016</b>
<b>e</b>	4-way, T-piece				
<b>f</b>	5-way	0.80 x 0.40 x 0.60	10.5		<b>5741.017</b>
		0.80 x 0.60 x 0.60	12.8		<b>5741.020</b>
		0.80 x 0.60 x 0.80	15.1		<b>5741.024</b>
<b>3</b>	<b>Box Corner H30V</b> , aluminium	0.29 x 0.29 x 0.29	9.8		<b>5714.030</b>
<b>a</b>	Attachment S	0.105 x 0.29 x 0.29	1.3		<b>5714.031</b>
<b>b</b>	Attachment L	0.21 x 0.29 x 0.29	3.3		<b>5714.032</b>
<b>4</b>	<b>Box Corner H40V</b> , aluminium	0.39 x 0.39 x 0.39	12.1		<b>5732.030</b>
<b>a</b>	Attachment S	0.105 x 0.39 x 0.39	1.5		<b>5732.031</b>
<b>b</b>	Attachment L	0.21 x 0.39 x 0.39	3.3		<b>5732.032</b>
<b>5</b>	<b>Base plate H30</b> , aluminium 4-chord H30V	0.33 x 0.33	1.7		<b>5701.073</b>
<b>6</b>	<b>Base plate H40</b> , aluminium 4-chord H40V	0.43 x 0.43	2.9		<b>5701.078</b>
<b>7</b>	<b>Connection parts</b>				
<b>a</b>	Conic connector	0.09	0.2		<b>5701.020</b>
<b>b</b>	Conic bolt	0.07	0.0		<b>5701.023</b>
<b>c</b>	Securing pin	0.06	0.0		<b>5701.007</b>
<b>8</b>	<b>Conic bolt with nut M8</b>	0.07	0.1		<b>5701.024</b>
<b>9</b>	<b>Conic half connector with thread M12</b>	0.04	0.2		<b>5701.026</b>
<b>10</b>	<b>Countersunk bolt M12 x 20</b>	0.02	0.05		<b>5701.027</b>

## Steel truss systems

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 Tower Truss is a very strong transom type, which is especially usable for roofings as vertical support for constructions of Maxi Truss, as ground support, for advertisement signs or cable bridges.

### 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 advertisement signs or cable bridges.

### Nova-Truss 3

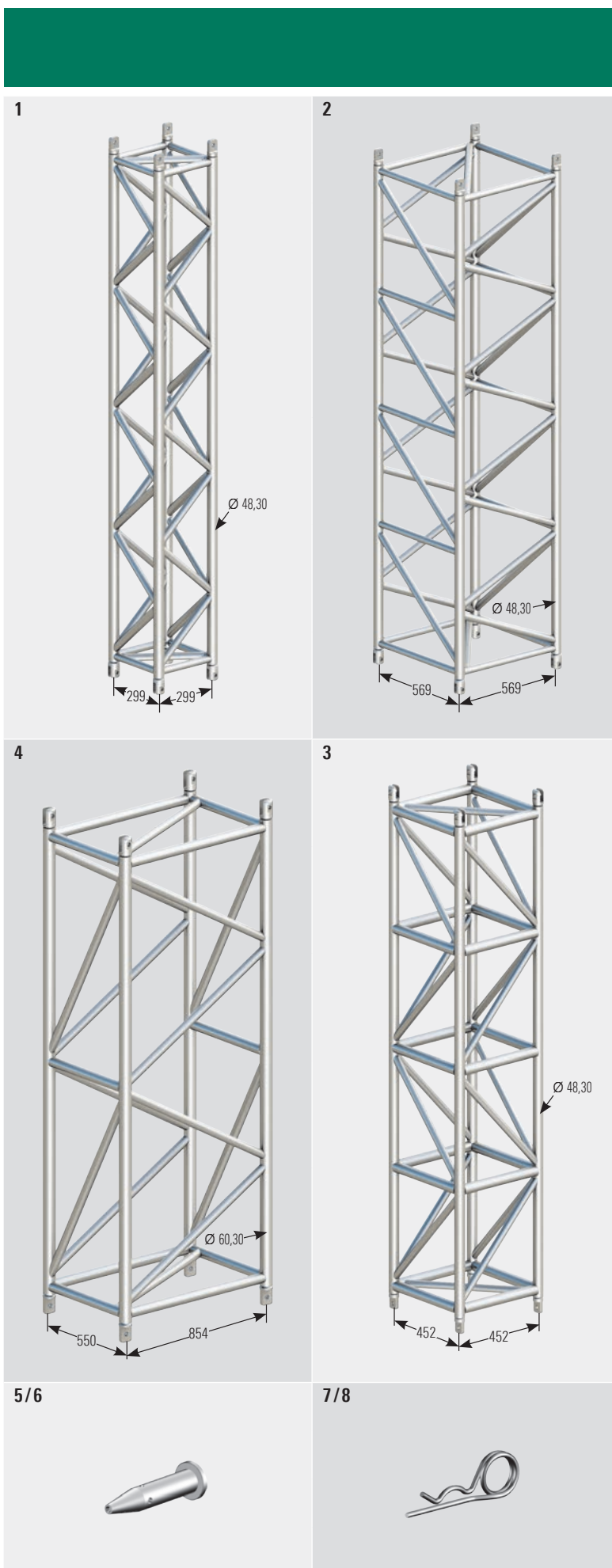
The Nova Truss is a very strong transom type, which is especially usable for roofings as vertical support for constructions of Super Truss, as ground support, for advertisement signs or cable bridges.

### Super-Truss 4

The Super 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.

**The steel truss elements will be produced individually according to your requirements.**

**Do not hesitate to ask us! We are pleased to help you.**



Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	Weight per metre approx. [kg]	PU [pcs.]	Ref. No.
1	<b>Tower-Truss</b> , steel, hot-dip galvanized, 299 x 299 mm Usable for roofings as vertical support for constructions of Maxi-Truss, as ground support, for advertisement signs or cable bridges, use with bolt dia. 15.8 mm	2.40	81.0	33.8		on request
		4.00	127.7	31.9		
		5.00	152.6	30.5		
2	<b>Maxi-Truss</b> , steel, hot-dip galvanized, 569 x 569 mm Usable for roofings as main transom, as ground support, for advertisement signs or cable bridges, use with bolt dia. 15.8 mm	2.40	99.2	41.3		on request
		4.00	156.9	39.2		
		5.00	191.0	38.2		
3	<b>Nova-Truss</b> , steel, hot-dip galvanized, 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 dia. 15.8 mm	2.40	109.3	45.5		on request
		4.00	184.9	46.2		
		5.00	227.4	45.5		
4	<b>Super-Truss</b> , steel, hot-dip galvanized, 550 x 854 mm Usable for roofings as main transom, as ground support, for advertisement signs or cable bridges, use with bolt dia. 20.0 mm	2.40	143.0	59.6		on request
		4.00	239.0	59.8		
		5.00	291.2	58.2		
5	<b>Bolt</b> , 15.8 x 80.0 mm for Tower-Truss, Nova-Truss and Maxi-Truss		0.7		4	5550.001
6	<b>Bolt</b> , 20.0 x 100.0 mm for Super-Truss		1.3		4	5550.002
7	<b>Safety clip</b> , 2.8 mm for Tower-Truss, Nova-Truss and Maxi-Truss		0.5		50	4905.001
8	<b>Safety clip</b> , 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

## Steel truss systems




### Maxi-Truss systems

Span [m]	perm. line load p [kg/m]	Bending [cm] of perm. p	perm. single load F [kg]	Bending [cm] of perm. F	perm. single load in third points F <sub>1</sub> [kg]	Bending [cm] of perm. F <sub>1</sub> [cm]
5	1968	0.4	7500	0.5	4919	0.6
6	1633	0.7	6215	0.8	4662	0.9
7	1395	1.2	5292	1.0	3969	1.2
8	1149	1.7	4595	1.4	3447	1.6
9	900	2.1	4049	1.7	3037	2.1
10	722	2.6	3608	2.1	2706	2.5
11	590	3.2	3244	2.6	2433	3.1
12	490	3.8	2938	3.1	2203	3.7
13	412	4.4	2675	3.6	2006	4.3
14	350	5.2	2448	4.2	1836	5.0
15	300	5.9	2248	4.9	1686	5.8
16	259	6.8	2071	5.6	1553	6.6
17	225	7.6	1912	6.4	1434	7.4
18	197	8.6	1769	7.2	1327	8.4
19	173	9.6	1639	8.0	1230	9.3
20	152	10.6	1521	9.0	1141	10.4
21	134	11.8	1411	10.0	1059	11.5
22	119	12.9	1310	11.0	983	12.6
23	106	14.2	1216	12.2	912	13.9
24	94	15.5	1129	13.3	846	15.1
25	84	16.8	1046	14.6	785	16.5
26	75	18.3	969	15.9	727	17.9
27	66	19.8	896	17.3	672	19.4
28	59	21.3	827	18.8	620	20.9
29	53	22.9	761	20.4	571	22.5
30	47	24.6	699	22.0	524	24.2
31	41	26.4	639	23.8	479	25.9
32	36	28.2	582	25.6	436	27.8
33	32	30.1	527	27.5	395	29.7
34	28	32.0	474	29.5	356	31.6
35	24	34.1	423	31.6	318	33.7

### Nova-Truss systems

5	1539	0.5	5926	0.7	3848	0.7
6	1275	0.9	4900	1.0	3675	1.1
7	1087	1.5	4161	1.3	3120	1.6
8	900	2.1	3601	1.7	2701	2.0
9	702	2.7	3161	2.2	2371	2.6
10	561	3.3	2805	2.7	2103	3.2
11	456	4.0	2509	3.3	1882	3.9
12	377	4.8	2260	3.9	1695	4.6
13	315	5.6	2045	4.6	1534	5.4
14	265	6.5	1858	5.4	1394	6.3
15	226	7.5	1693	6.3	1270	7.3
16	193	8.5	1547	7.2	1160	8.3
17	166	9.7	1415	8.2	1061	9.4
18	144	10.9	1295	9.2	971	10.6
19	125	12.1	1186	10.4	889	11.9
20	109	13.5	1085	11.6	814	13.2
21	94	14.9	992	12.9	744	14.6
22	82	16.4	906	14.3	679	16.1
23	72	18.0	825	15.8	619	17.7
24	62	19.7	749	17.4	562	19.3
25	54	21.4	678	19.2	508	21.1
26	47	23.3	610	21.0	458	22.9
27	40	25.2	546	22.9	409	24.8
28	35	27.2	485	24.9	364	26.9
29	29	29.3	427	27.1	320	29.0
30	25	31.5	371	29.3	278	31.2

## Super-Truss systems

Span [m]	perm. line load p [kg/m] 	Bending [cm] of perm. p	perm. single load F [kg] 	Bending [cm] of perm. F	perm. single load in third points F <sub>1</sub> [kg] 	Bending [cm] of perm. F <sub>1</sub> [cm]
5	2829	0.2	14143	0.3	7072	0.2
6	2348	0.3	14089	0.5	7045	0.4
7	2005	0.5	12721	0.7	7018	0.6
8	1748	0.7	11081	0.9	6991	0.9
9	1547	1.0	9798	1.2	6964	1.3
10	1387	1.4	8767	1.4	6576	1.7
11	1256	1.9	7919	1.7	5939	2.1
12	1147	2.4	7207	2.1	5405	2.5
13	1016	3.0	6601	2.4	4951	2.9
14	868	3.5	6077	2.8	4558	3.4
15	749	4.0	5620	3.3	4215	3.9
16	652	4.6	5216	3.7	3912	4.4
17	571	5.2	4857	4.2	3643	5.0
18	504	5.8	4535	4.7	3401	5.6
19	447	6.4	4243	5.3	3183	6.3
20	398	7.2	3979	5.9	2984	7.0
21	356	7.9	3736	6.5	2802	7.7
22	319	8.7	3514	7.2	2635	8.5
23	288	9.5	3308	7.9	2481	9.3
24	260	10.4	3118	8.7	2338	10.1
25	235	11.3	2940	9.5	2205	11.0
26	213	12.2	2774	10.3	2080	11.9
27	194	13.2	2618	11.2	1964	12.9
28	177	14.2	2472	12.1	1854	13.9
29	161	15.3	2333	13.0	1750	14.9
30	147	16.4	2202	14.0	1652	16.0
31	134	17.5	2078	15.1	1559	17.1
32	123	18.7	1960	16.2	1470	18.3
33	112	19.9	1848	17.3	1386	19.5
34	102	21.2	1740	18.5	1305	20.8
35	94	22.5	1637	19.8	1228	22.1
36	85	23.9	1538	21.1	1154	23.4
37	78	25.3	1444	22.4	1083	24.8
38	71	26.7	1352	23.8	1014	26.3
39	65	28.2	1264	25.3	948	27.7
40	59	29.7	1179	26.8	885	29.3

## Tower-Truss systems

5	1566	1.2	3915	1.0	2936	1.2
6	1078	1.8	3235	1.0	2427	1.7
7	784	2.4	2746	2.0	2059	2.3
8	594	3.2	2375	2.6	1781	3.1
9	463	4.0	2083	3.3	1562	3.9
10	369	5.0	1846	4.0	1385	4.8
11	300	6.0	1650	4.9	1237	5.8
12	247	7.2	1484	5.9	1113	7.0
13	206	8.4	1341	7.0	1006	8.2
14	174	9.8	1217	8.1	913	9.5
15	148	11.3	1107	9.4	830	11.0
16	126	12.9	1009	10.8	757	12.5
17	108	14.5	921	12.3	691	14.2
18	93	16.4	841	13.9	631	16.0
19	81	18.3	768	15.7	576	17.9
20	70	20.3	700	17.6	525	19.9
21	61	22.5	638	19.6	478	22.0
22	53	24.7	580	21.7	435	24.3
23	46	27.1	526	24.0	394	26.6
24	40	29.7	475	26.4	356	29.2
25	34	32.3	427	29.0	320	31.8

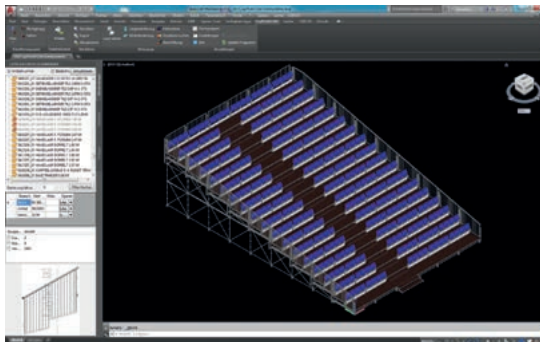
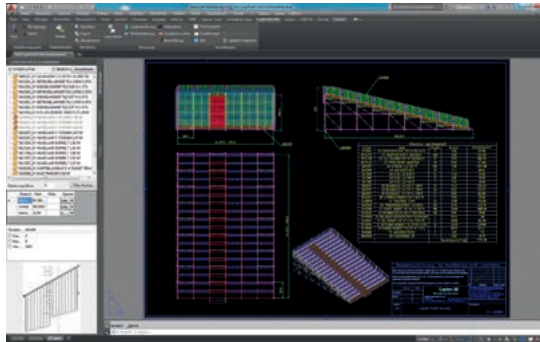
### Layher LayPLAN

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.

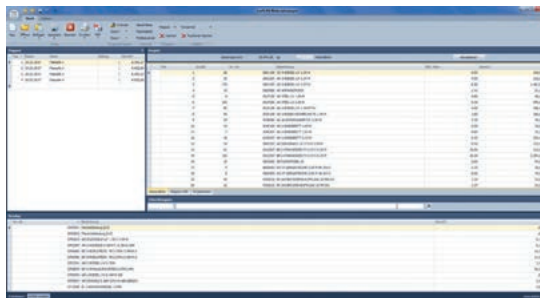
### LayPLAN CAD

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.

Thanks to integration into the LayPLAN system, the basic planning can be handled in automated form using the proven LayPLAN CLASSIC. Project data can be quickly recorded using input masks, ensuring a time saving for every order. The data are then simply exported into the AutoCAD program, which offers further possibilities for detailed 3D planning. A visual collision check is possible with the aid of volume rendering. 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. It is possible to export them as 3D PDFs too (3D PDF exporter only included with LayPLAN CAD OEM version), which brings benefits in the tender phase and also facilitates later assembly. A transfer to visualisation or animation software is also possible without any problem. This allows projects not only to be planned economically and also adapted precisely to actual requirements, but also to be presented professionally to customers.



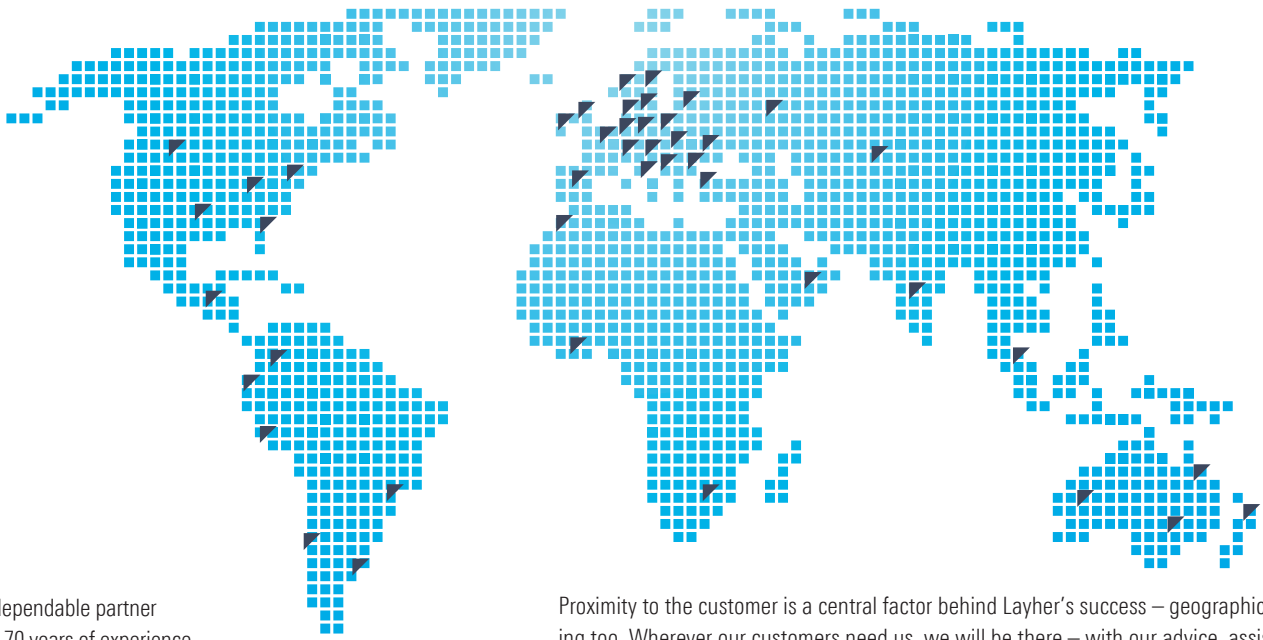
**Planning of a grandstand in LayPLAN CAD**



**LayPLAN Material Manager**  
Part of LayPLAN CAD

Pos.	Description
1	<b>LayPLAN CAD</b> plug-in for AutoCAD, for designing complex scaffolding in 3D
2	<b>LayPLAN CAD OEM</b> AutoCAD 2017 OEM with LayPLAN CAD plug-in for designing complex scaffolding in 3D, incl. 3D PDF exporter

<b>A</b>		<b>G</b>		<b>S</b>	
Adapter for frame for tip-up seat	21	Guardrail for modular stairway	13	Seating stand	7
Allround wedge	21	Guardrail for stands	18	Seat support with rosette	20, 21
Aluminium frame for tip-up seat	21	Guardrail post	18	Short wedge	20
Assembly-Set	21	Guardrail post for podium	13	Side end guardrail	19
<b>B</b>		Guardrail standard	18, 19	Side guardrail	19
Base beam	15	Guardrail with child safety features	12, 13	EV 86, rise 166 mm	18
Base collar	11, 12	<b>H</b>		EV 100/EV 104, rise 250 mm	18
Base collar for modular stairway	13	Half-coupler	27	Single step ladder	27
Base lattice beam	15	Handrail	12, 13	Special bolt with nut	15
Base plate		Hinged attachment	27	Square half-coupler	10, 11
20	11	<b>I</b>		Stage	6
40	11	Intermediate step	19	Stairway	12
H30	33	<b>K</b>		Stairway guardrail 750	13
type 1	15	Keder rail		Stairway stringer	12
type 2	15	2000	26, 27	Standard	
Basic components	10, 18	3000	26, 27	0.67 m	10, 11
Bench	20, 21	9000	26, 27	1.17 m	10, 11
Bench adaptor	21	holder	27	Standard for modular stairway	13
Bench end	20, 21	<b>L</b>		Stand element	
Bolt		LayPLAN	38	1-step	18, 19
dia. 15.80 mm	35	Lift-off preventer	13, 19	2-step	18, 19
M10 x 70	19	Lift-off preventer for steel decks	19	Stands	7, 16
Box Corner		Lock against lift-off	18	Steel deck support	18, 19
H30V	33	ST 86	18	Stringer for modular stairway	12, 13
H40V	33	<b>M</b>		Super-Truss	35
bucket seats	20	Maxi-Truss	35	<b>T</b>	
<b>C</b>		<b>N</b>		Tension clasp	10, 11
Captive bolt		Novanta bucket seat	20, 21	Tip-up seat	21
for keder rail	27	Nova-Truss	35	Tower-Truss	35
Clamp		Number plate	21	Transom support	10, 11
T4, T1	11	<b>O</b>		Truss	
T10, T7	11	O-ledger	12, 13	H30V	31
T16	11	<b>P</b>		H40V	31
Conic bolt	33	Plastic corner	10	Truss corners	
Conic half connector	33	T1	11	H30V	33
Connection part	33	T4, T7, T10	11	H40V	33
Corner guardrail	19	T16	11	Truss system	28
<b>E</b>		Plug	21	alu	30, 32
Event access deck	27	Podia	8	steel	34, 36
Event deck	10, 11	<b>R</b>		Truss-Transom	15
Event stage	8	Roof and wall cladding	22, 26	<b>U</b>	
Event stands	16	Rope fastener		Universal Base	14
Event transom	10, 11	for ballast bays	27	U-Stairway stringer	
<b>F</b>		for roof stiffening	27	750	13
FOH beam	27	Rubber pad	10, 11		
FOH entrance	25				
FOH projecting roof	25				
FOH rope holder set	27				
FOH System	22, 24, 26				
FOH Tower	25				
FOH Tower KIT system	22				



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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Scaffolding Grandstands Ladders

Ochsenbacher Strasse 56  
74363 Gueglingen-Eibensbach  
Germany

Post Box 40  
74361 Gueglingen-Eibensbach  
Germany  
Telephone +49 (0) 71 35 70-0  
Telefax +49 (0) 71 35 70-2 65  
E-mail [export@layher.com](mailto:export@layher.com)  
[www.layher.com](http://www.layher.com)

