Layher®

More Possibilities. The Scaffolding System.

LAYHER SPEEDYSCAF®
CATALOGUE 2022/2023

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Quality management certified according to DIN EN ISO 9001

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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

EXTENSION COMPONENTS

AB SEITE 26

PRODUCT-PORTFOLIO

The Layher product range – all catalogues at a glance

SpeedyScaf	Art.-Nr. 8102.263
Allround Scaffolding	Art.-Nr. 8116.259
System-free Accessories	Art.-Nr. 8103.280
Protective Systems	Art.-Nr. 8121.261
Event Systems	Art.-Nr. 8111.234
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NOTICE

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

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

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

Please request the specific instructions for assembly and use when ordering. Misprints and errors excepted.

QUALITY MADE BY LAYHER

Headquarters in Eibensbach

Plant 2 in Gueglingen

QUALITY MADE IN GERMANY.

Quality made by Layher comes from Gueglingen-Eibensbach. Our company has set down deep local roots since it was established. Right up until today, development, production and management, sales and export department are all in one place, where the conditions are best for achieving quality made by Layher: in Gueglingen-Eibensbach. The two locations together cover a surface area of 318,000 m². This includes more than 148,000 m² of covered production and storage areas.

MORE POSSIBILITIES. THE SCAFFOLDING SYSTEM.

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

SUSTAINABILITY AT LAYHER.

We've long been acting with a clear focus, with a view to both economic and ecological sustainability in all our process steps. Social responsibility towards employees, clients and society as a whole are at the very centre of this. We're a dependable employer, active in protecting our resources. The sparing use of work materials as a feature of our sustainable approach is fundamental to how we see ourselves: we already take care to ensure sustainable building methods when planning a new production facility, for example by greening the roofs or using photovoltaic systems. We also value locations that are close by, avoiding unnecessary CO_2 emissions due to long traffic routes. The topic of sustainability is firmly embedded in Layher's organisational structure thanks to its energy management team. Their work has paid off in particular in the form of DIN EN ISO 50001 certification.

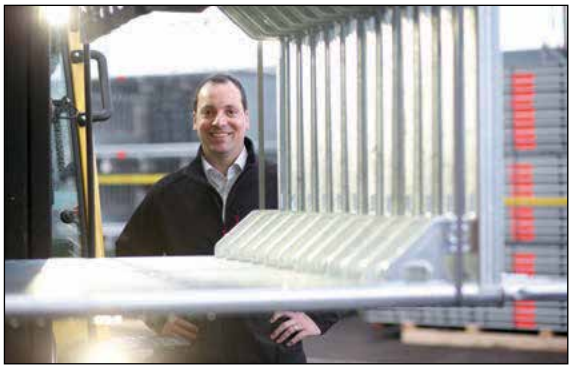
Discover the world of Layher in its company film at:
yt-image-en.layher.com

MORE SPEED

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

MORE SAFETY

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



MORE PROXIMITY

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

MORE SIMPLICITY

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

MORE FUTURE

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

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

EASY AND FAST

For decades now, Layher SpeedyScaf equipment has been the recognized leader in insertion-frame systems with the Speedy frame. Modern, fast and robust making it ideal for work on facades. Layher SpeedyScaf is, thanks to its versatile and well thought-out range of parts, equally economical to use in scaffolding construction and in professional trades.

With just six basic elements and a few manual operations, this logically and safely erected scaffolding is very quick because it is assembled without bolts. Numerous expansion parts permit optimum adaptation to existing building geometries – without much extra effort during assembly. SpeedyScaf is available in different scaffolding widths, made of hot-dip galvanized steel or lightweight aluminium, for every application.

THE BENEFITS FOR YOU:

- Speedy, unlaboured and vertical assembly as well as ergonomic handling thanks to simple insertion technology and lightweight basic elements. Saving in time and cost savings for your success.
- Uncompromising safety during assembly and maximum stability during assembly and while work thanks to firmly wedged components and non-positively connected.
- The integrated scaffolding system for easy and complicated applications is fully combinable with all former generations. Maximum investment protection thanks to long durability, purchase availability for decades and continuous enhancements.
- The comprehensive range of parts and application-oriented accessories are suitable for every trade and application.

This catalogue provides you with an overview of all the basic elements and accessories for the following scaffolding variants:

SpeedyScaf 0.73 m wide, hot-dip galvanized steel,
up to load class 4 as per DIN EN 12811

SpeedyScaf 0.73 m wide, aluminium,
up to load class 3 as per DIN EN 12811

SpeedyScaf 1.09 m wide, hot-dip galvanized steel,
for load classes 6 as per DIN EN 12811
(depending on deck design and bay length).

The various scaffolding systems of Layher SpeedyScaf are approved with various general building authority approvals: Z.8.1-16.2 Layher Speedy 70 Steel, Z-8.1-840 Layher Speedy 100 Steel, Z-8.1-844 Layher Speedy 70 Aluminium. Each of these general building authority approvals has its own approval object. The scaffolding components for use in each of the scaffolding systems are derived from the respective general building authority approval.

In addition, there is a type testing for the Layher SpeedyScaf 70 Steel by the test authority of the German Building Authority. This includes 7 assembly variants with platform heights up to 100 m.

The sum of all advantages cleverly combined: that's the secret behind the success of Layher SpeedyScaf – and hence the secret behind the success of every single user – every single day.

THE INTEGRATED SCAFFOLDING SYSTEM: APPLICATION-ORIENTED ACCESSORIES

Protective Roofs

Layher weather protection roofs can be used in a number of variants depending on their span, the snow load or the wind load. That saves you real money when planning temporary weather protection roofs. For easy use on the site, clearly set-out material and loading capacity tables for snow and wind loads are available for you. Protective roofs are not a one-off solution for Layher, but a standard product – this ensures readiness for immediate delivery.

Protect system

With its Protect system, Layher offers an enclosure system that fits in with Allround Scaffolding and SpeedyScaf. It is used for example for pedestrian protection in combination with the Allround bridging system and also for environmental protection and noise reduction. Highly economical to use thanks to quick and easy assembly in a simple and logical assembly sequence, and the frequent use of a few system components. The Layher Protect system is not a one-off solution for Layher, but a standard product – this ensures readiness for immediate delivery.

ANTI-THEFT PROTECTION AND ADVERTISING IN ONE

Layher Individual

Assembly frames, Xtra-N-decks, Robust decks, Stalu decks, steel decks can be stamped individually. Wooden toe boards can be printed according to your preferences.

Software for scaffolding construction

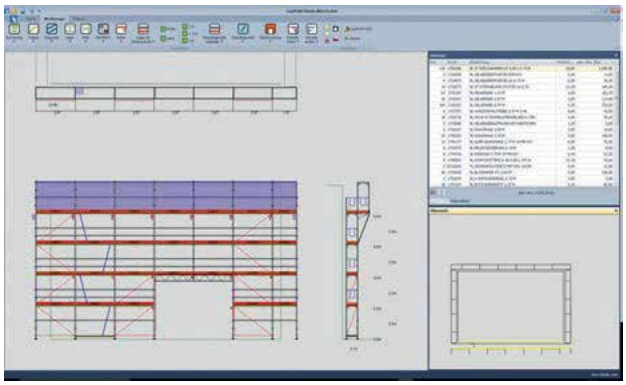
Layher LayPLAN
Time and material are crucial factors in scaffolding construction. To make the most efficient use of both, the Layher range includes the practical LayPLAN scaffolding planning software.

With the serveral software packages LayPLAN CLASSIC and LayPLAN CAD, it is possible to plan scaffolding structures from simple, small facade scaffolding up to complex industrial scaffolding or protective roofs and grandstands.

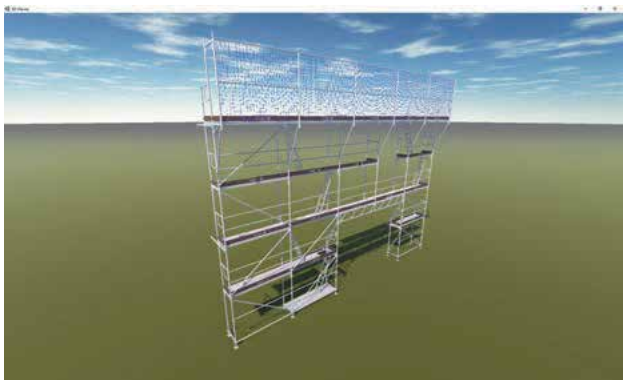
LayPLAN CLASSIC
With the LayPLAN CLASSIC modules for Allround Scaffolding and SpeedyScaf, individualised scaffolding solutions can be configured quickly and easily: whether they're for circular or facade scaffolding made from SpeedyScaf, for birdcage scaffolding and free-standing towers made from Allround Scaffolding, or for structures with temporary roofs. Once the dimensions and the required assembly variant have been entered, LayPLAN CLASSIC delivers within seconds a scaffolding proposal, including anchoring, bracing and side protection. During the design phase, the overall length, standing heights and areas are continuously calculated and displayed to reflect the current plan. A materials list can also be created at the click of a button and then printed out, together with an assembly sketch for the area to be enclosed in scaffolding plus the total weight. This also helps with the logistics – the required material is guaranteed to be there where it's needed. Scaffolding erectors benefit from more certainty when planning the commercial and technical details, from optimised use of stocks, and from full cost transparency at every stage of the project.

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.

LayPLAN CLASSIC



SpeedyScaf facade scaffolding with console bracket surface and brick guard nets

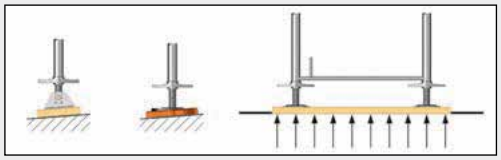


LayPLAN CLASSIC 3D-Viewer

Further Informations can be found in the product film at:
yt-layplan-en.layher.com

Base plates

For load transmission and ground adaption, choose between different height-adjustable **base plates** with sturdy and self-cleaning round threads, with colour and notch markings to provide protection against overwinding. Make sure that there are sufficient load-distributing surfaces.



The round threads of all Layher scaffolding spindles have an outside diameter of 38 mm.
The wing external dimension of the spindle nut is 205 mm.
The dimensions of the foot plate are 150 x 150 mm.

Further information can be found in the catalogue for System-free Accessories

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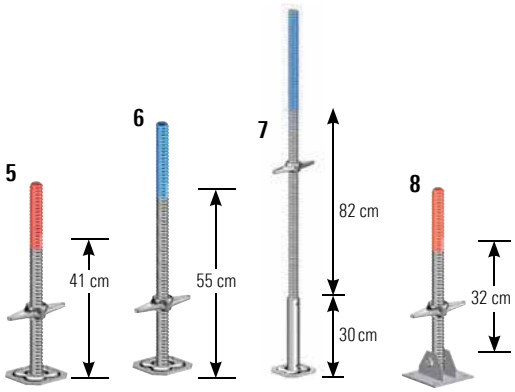
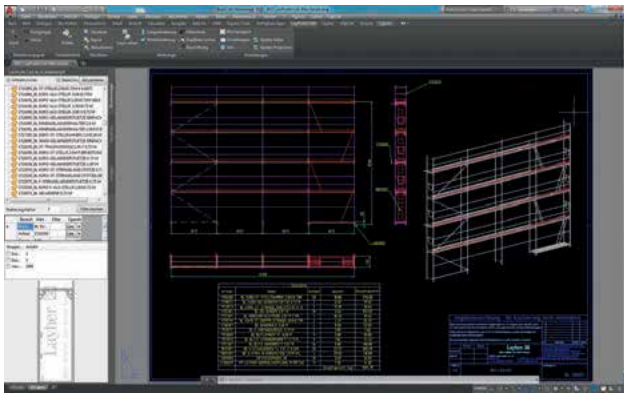
Possibility of directly connecting 48.3 mm dia. scaffolding tubes to the threaded tube of a base plate at any angle.



LayPLAN CAD



Planning of individualised scaffolding structures in LayPLAN CAD

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. 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.

How can I acquire 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.

Pos.	Description	Ref. No.
1	**LayPLAN CLASSIC** scaffolding configurator for SpeedyScaf, Allround Scaffolding, weather protection roofs and rolling towers	**6345.102**
2	**LayPLAN CAD** plug-in for AutoCAD, for designing complex scaffolding in 3D and for developing scaffolding proposals from LayPLAN CLASSIC	**6345.103**

Pos.	Description	Dimensiones L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
3	**Scaffolding plank** for load distribution, 45 mm high, freshly sawn, sorting category S10	1.00 x 0.24	5.2	80	**3816.100**
		1.50 x 0.24	7.8	80	**3816.150**
4	**Adjustment plate for base plate** of glass-fibre-reinforced polyamide plastic, inclination 0 – 16%	dia. 0.30	1.3	250	**4000.400**
5	**Base plate 60** (max. spindle travel 41 cm)	0.60	3.6	200	**4001.060**
6	**Base plate 80, reinforced** (max. spindle travel 55 cm)	0.80	4.9	200	**4002.080**
7	**Base plate 150, reinforced** (max. spindle travel 82 cm), ensure sufficient structural strength	1.50	10.0	25	**4002.130**
8	**Swivelling base plate 60, reinforced** (max. spindle travel 32 cm), ensure sufficient structural strength	0.60	6.1	250	**4003.000**
9	**Wedge spindle swivel coupler**		1.8	25	**4735.000**

WS = wrench size **PU** = packaging unit = available ex works = delivery time on request = only available in this packaging unit = the approval process is not yet completed
IND = Layher Individual possible – see page 7 = new in the catalogue

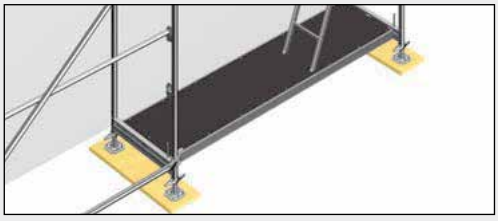
Adjustment frames

The scaffolding can be adapted to the lie of the land with 0.66 m, 1.00 m and 1.50 m adjustment frames. Assembly always begins at the highest point. The 1.50 x 1.09 m assembly frame has two guardrail wedge housings, making it suitable for use in bricklayer's scaffolding.

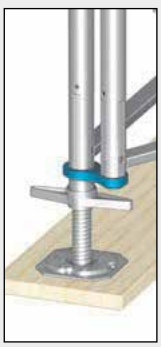
Internal scaffolding access

Our hatch-type access decks conform to the requirements of DIN EN 12811, with a separate or an integrated storey ladder for internal access.

A deck must be fitted using **U-start ledgers** or **SpeedyScaf transoms** as the erection surface for the lowest ladders.



If base ledgers (see page 25, Pos. 6) are mounted and U-base sections are fitted on the above assembly frames, the deck above the adjustment frame can be removed for special uses.



The corner adapter for circular scaffolding and corner solutions considerably simplifies this assembly step. It is fitted onto the base plates before fitting of the bottom assembly frame, and then permits subsequent fitting of two assembly frames next to one another, without attaching a coupler at the bottom. Both assembly frames are automatically aligned at the same height. The axial dimensions of the adapter are the same as of the swivel coupler.

Further Informations can be found in the product film at:
qrbllwen.layher.com

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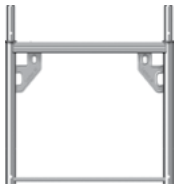

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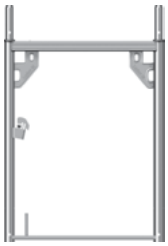

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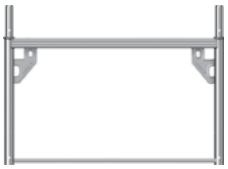
2a



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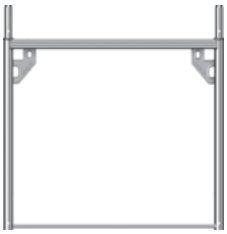

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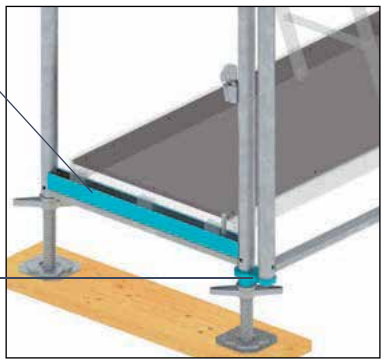

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	VE [St.]	Ref. No.
1	**Assembly frame LW, steel** IND				
	a) Adjustment frame 0.66 x 0.73 m	0.66 x 0.73	9.3	75	**1700.066**
	b) Adjustment frame 1.00 x 0.73 m*	1.00 x 0.73	11.9	50	**1700.101**
	c) Adjustment frame 1.50 x 0.73 m*	1.50 x 0.73	15.8	24	**1700.150**
	*with 1 guardrail wedge housing and toe board pin				
2	**Assembly frame LW, steel** IND				
	a) Adjustment frame 0.66 x 1.09 m	0.66 x 1.09	11.5	75	**1780.066**
	b) Adjustment frame 1.00 x 1.09 m	1.00 x 1.09	13.8	50	**1780.100**
	c) Adjustment frame 1.50 x 1.09 m*	1.50 x 1.09	14.9	24	**1780.150**
	*with 2 guardrail wedge housings and toe board pin				
3	**Assembly frame, aluminium**				
	a) Adjustment frame 0.66 x 0.73 m	0.66 x 0.73	4.1	75	**1714.066**
	b) Adjustment frame 1.00 x 0.73 m*	1.00 x 0.73	5.2	50	**1714.101**
	c) Adjustment frame 1.50 x 0.73 m*	1.50 x 0.73	6.7	24	**1714.150**
	*with 1 guardrail wedge housing and toe board pin				
4	**Starter U-transom**	0.73	3.8	42	**1751.073**
		1.09	5.1	42	**1751.109**
5	**U-base section,** steel, galvanized	0.73	2.2	500	**1750.073**
		1.09	3.2		**auf Anfrage**
6	**SpeedyScaf corner adapter** axial dimensions 74 mm	0.074	1.3	25	**1704.074**

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IND = Layher Individual possible – see page 7 = new in the catalogue

Speedy assembly frames Lightweight
The construction principle of the assembly frames ensures speedy, and stable assembly: The upper crosspiece is designed as a channel section into which the decks slide easily during assembly. The corner plate for receiving the diagonal braces and the guardrail wedge housings for dropping in the guardrails require no direct fitting or "aiming"; striking with a hammer blow ensures positive stable connections. The lower rectangular tube secures the decks automatically for further extension and the toe board pin accommodates the toe boards.

Advantages of the assembly frame Lightweight:
- Low weight
- Very rapid assembly of internal guardrails
- Versatile possibilities for anchoring
- Fast vertical assembly without a spirit level
- Maximum height clearance

All wall thicknesses are approved for the connection of couplers. The handy Layher assembly frame has no outwardly projecting parts – it runs smoothly through the hands, and is therefore ergonomic. Very low external dimensions save on transportation and storage space.

The **gantry frame LW 7** for safe protection of pedestrians underneath the scaffolding, by rebolting the central spigot for 0.73 m or 1.09 m scaffolding width.

The assembly frame lightweight, 2.00 m, for balustrade 9 is used where a roof projection projects into the scaffolding. Above it, a maximum of four further levels can be constructed using standard assembly frames.

The assembly frame joints are secured with **locking pins 10** in special cases against unintentional lifting off, for example when scaffolding units are moved with a crane, when brick guard supports are used or in particular wind conditions (see assembly instructions).

With the **reducer from 1.09 m to 0.73 m 12,** it is possible to reduce the scaffolding width from 1.09 m to 0.73 m. This can be necessary for example at great heights for structural reasons. This makes it possible to use assembly frames 70 on a substructure of meter-wide scaffolding.

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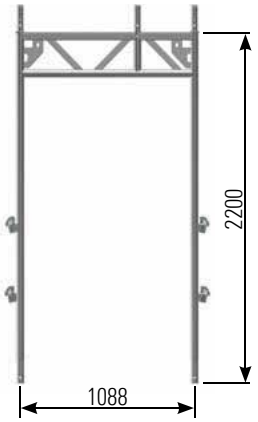

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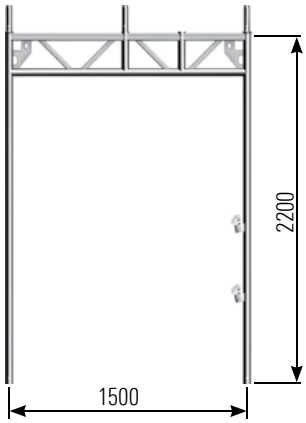

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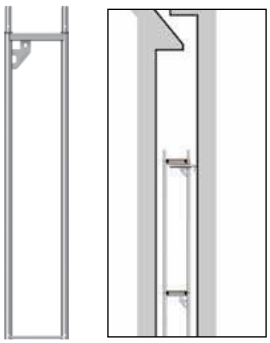

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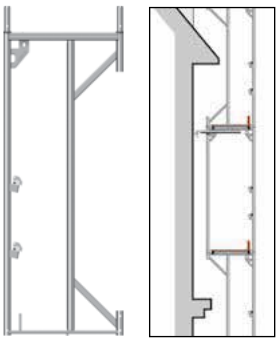

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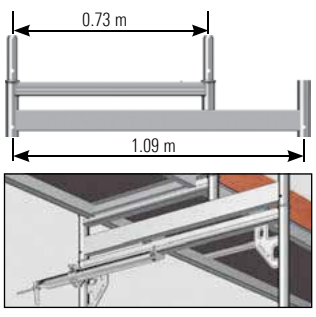

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Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	
1	**Speedy assembly frame LW, steel** IND standard frame 2.00 x 0.73 m with **2 guardrail wedge housings** (only external guardrails)	2.00 x 0.73	18.8	24	**1700.200**	NEW
2	**Speedy assembly frame LW, steel** IND standard frame 2.00 x 0.73 m with **4 guardrail wedge housings** (external and internal guardrails)	2.00 x 0.73	19.6	24	**1710.200**	NEW
3	**Speedy assembly frame LW, steel** IND standard frame 2.00 x 1.09 m, with **2 guardrail wedge housings** (only external guardrails)	2.00 x 1.09	21.5	24	**1780.200**	
4	**Speedy assembly frame LW, steel** IND standard frame 2.00 x 1.09 m, with **4 guardrail wedge housings** (external and internal guardrails)	2.00 x 1.09	22.3	24	**1785.200**	
5	**Speedy assembly frame, aluminium** standard frame 2.00 x 0.73 m	2.00 x 0.73	8.6	24	**1714.200**	
6	**Gantry frame LW** steel, hot-dip galvanized	2.20 x 1.09	28.4	24	**1779.109**	
7	**Gantry frame LW** steel, hot-dip galvanized	2.20 x 1.50	31.2	24	**1779.150**	
8	**Speedy assembly frame LW, steel** narrow assembly frame 2.00 x 0.36 m	2.00 x 0.36	17.3	50	**1717.200**	
9	**Speedy assembly frame LW, 2.00 m, for balustrade** steel, hot-dip galvanized	2.00 x 0.73	22.7	25	**1718.200**	
10	**Locking pin** red, dia. 11 mm		0.2	100	**4000.001**	
11	**Guardrail wedge housing cover** polypropylene		0.6	10	**1710.004**	
12	**Reducer from 1.09 m to 0.73 m** S with welded-on channel section	1.09	8.3	20	**4027.000**	

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IND = Layher Individual possible – see page 7 NEW = new in the catalogue

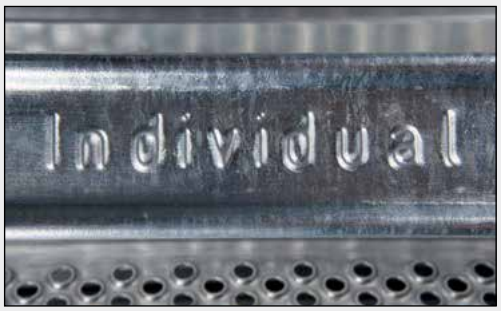
Our scaffolding decks comply with the requirements of DIN EN 12811.
In the Layher system, depending on the type of application and scaffolding group but also in accordance with your working requirements and priorities, choose from decks made of hot-dip galvanized steel, aluminium, wood or an aluminium frame with plywood board. The load-bearing capacity of the overall system must be observed. The claws of the Layher scaffolding decks slide easily during assembly into the U-sections of the assembly frame, ensuring unbeatable speed of assembly.

The **U-steel deck LW** 1 fulfils the same load-bearing capacities as the proven **U-steel deck T4** 2 with a considerably lower weight thanks to the use of high-tensile steel and intelligent combination of perforation and profiling.

The **U-Xtra-N deck** 4 is identical in construction with the robust deck, but is equipped with a glass-fibre-reinforced plastic plate. It is very weather-resistant: No rotting, no fungus growth, no split-open rivet holes. The breaking load of the plastic plate is about 3 times higher that of dry plywood. The surface has a proven anti-slip structure, which is very easy to clean. Plaster and dirt can be easily removed by using a high-pressure cleaner or a scraper.

The **U-stalu deck** 6–8 is a lightweight and durable aluminium deck with sturdy, riveted steel caps.

Individual stamping
The Layher steel decks can be provided with individual lettering. Conspicuously visible on the side section, they give the Layher steel deck that certain something. Individual stampings offer also a high-class anti-theft protection.



Similar to the steel decks, also the Stalu, Xtra-N and robust decks can be individualized. The stamping is particularly high-quality. The needle stamping process provides fine and very precise lettering.

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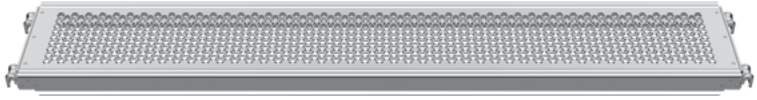

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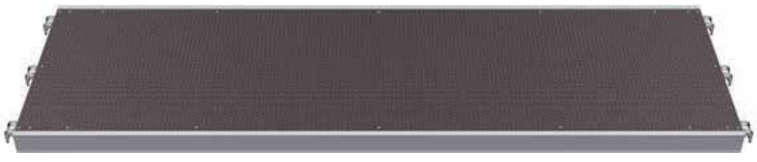

Pos.	Description	Use up to load class		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	
1	**U-steel deck LW, 0.32 m wide** steel, hot-dip galvanized, perforated, non-slip working surface	IND	6	0.73 x 0.32	5.6	60	**3883.073**	
			6	1.09 x 0.32	7.7	60	**3883.109**	
			6	1.57 x 0.32	10.5	60	**3883.157**	
			6	2.07 x 0.32	13.4	60	**3883.207**	
			5	2.57 x 0.32	16.4	60	**3883.257**	
			4	3.07 x 0.32	19.3	60	**3883.307**	
			3	4.14 x 0.32	25.6	60	**3883.414**	
2	**U-steel deck T4, 0.32 m wide** steel, hot-dip galvanized, perforated, non-slip working surface	IND	6	0.73 x 0.32	6.0	60	**3812.073**	
			6	1.09 x 0.32	8.3	60	**3812.109**	
			6	1.57 x 0.32	11.6	60	**3812.157**	
			6	2.07 x 0.32	14.9	60	**3812.207**	
			5	2.57 x 0.32	18.2	60	**3812.257**	
			4	3.07 x 0.32	21.5	60	**3812.307**	
3	**U-steel deck, 0.19 m wide** constructed as 3812, as equalizing deck, e.g. for birdcage scaffolding	IND	6	0.73 x 0.19	5.1	50	**3801.073**	
			6	1.09 x 0.19	6.4	50	**3801.109**	
			6	1.57 x 0.19	8.5	50	**3801.157**	
			6	2.07 x 0.19	10.2	50	**3801.207**	
			5	2.57 x 0.19	13.2	50	**3801.257**	
			4	3.07 x 0.19	15.3	50	**3801.307**	
4	**U-Xtra-N deck, 0.61 m wide** aluminium stile section, glass-fibre-reinforced plastic plate, extremely durable, lightweight, non-slip working surface	IND	3	0.73 x 0.61	7.0	60	**3866.073**	
			3	1.09 x 0.61	9.5	60	**3866.109**	
			3	1.57 x 0.61	13.0	40	**3866.157**	
			3	2.07 x 0.61	16.2	40	**3866.207**	
			3	2.57 x 0.61	19.0	40	**3866.257**	
			3	3.07 x 0.61	23.5	40	**3866.307**	
5	**U-Xtra-N deck, 0.32 m wide** constructed as Ref. No. 3866, as console or equalizing deck, e.g. for birdcage scaffolding	IND	6	1.57 x 0.32	8.5	30	**3877.157**	
			5	2.07 x 0.32	10.7	30	**3877.207**	
			4	2.57 x 0.32	13.0	30	**3877.257**	
			3	3.07 x 0.32	15.2	30	**3877.307**	
6	**U-stalu deck T21, 0.61 m wide** extremely lightweight aluminium deck with sturdy, riveted steel caps, stacking height only 54 mm	IND	6	0.73 x 0.61	6.7	34	**3898.073**	NEW
			6	1.09 x 0.61	9.0	34	**3898.109**	NEW
			6	1.40 x 0.61	11.0	34	**3898.140**	NEW
			6	1.57 x 0.61	12.1	34	**3898.157**	NEW
			6	2.07 x 0.61	15.3	34	**3898.207**	NEW
			5	2.57 x 0.61	18.5	34	**3898.257**	NEW
			4	3.07 x 0.61	21.7	34	**3898.307**	NEW
7	**U-stalu deck T9, 0.32 m wide** constructed as 3867, as equalizing deck, e.g. for birdcage scaffolding		6	1.57 x 0.32	7.4	30	**3856.157**	
			6	2.07 x 0.32	9.2	30	**3856.207**	
			5	2.57 x 0.32	11.0	30	**3856.257**	
			4	3.07 x 0.32	13.3	30	**3856.307**	
8	**U-stalu deck T9, 0.19 m wide** constructed as 3867, as equalizing deck, e.g. for birdcage scaffolding		6	1.57 x 0.19	5.6	50	**3857.157**	
			6	2.07 x 0.19	7.2	50	**3857.207**	
			5	2.57 x 0.19	8.7	50	**3857.257**	
			4	3.07 x 0.19	10.2	50	**3857.307**	
9	**U-alu deck, perforated, 0.32 m wide** deck and caps of aluminium with robust steel claws, perforated, non-slip working surface	IND	6	0.73 x 0.32	3.1	60	**3803.073**	
			6	1.09 x 0.32	4.4	60	**3803.109**	
			6	1.57 x 0.32	6.5	60	**3803.157**	
			5	2.07 x 0.32	8.0	60	**3803.207**	
			4	2.57 x 0.32	10.0	60	**3803.257**	
			3	3.07 x 0.32	11.5	60	**3803.307**	
10	**U-robust deck, 0.61 m wide** aluminium stile section, plywood panel BFU 100, phenolic resin coating and rot protection, lightweight, non-slip, easily stackable		3	1.57 x 0.61	13.1	40	**3835.157**	
			3	2.07 x 0.61	16.4	40	**3835.207**	
			3	2.57 x 0.61	19.3	40	**3835.257**	
			3	3.07 x 0.61	24.2	40	**3835.307**	

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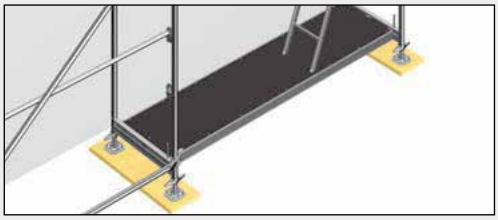
IND = Layher Individual possible – see page 7 NEW = new in the catalogue

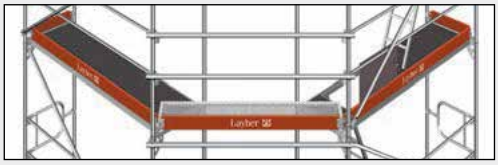
Internal scaffolding access
Our hatch-type access decks conform to the requirements of DIN EN 12811, with a separate or an integrated storey ladder for internal access.

A deck must be fitted using **U-start ledgers** or **SpeedyScaf transoms** as the erection surface for the lowest ladders (see page 10 / 11).

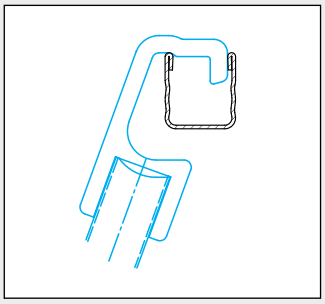


External scaffolding access
Aluminium platform stairs with guardrails for convenient external access allowing the transportation of materials (see page 34).

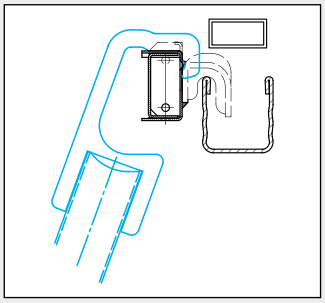
Hatch-type access, hatch offset 4 / 5 / 6 / 7
The offset hatch can be opened and closed even when bridging decks are placed on top.



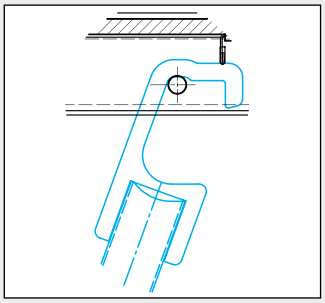
Assembly situation of the access ladder T19 10



at the U-section of the assembly frame



at the U-access deck



at the U-access deck with offset hatch

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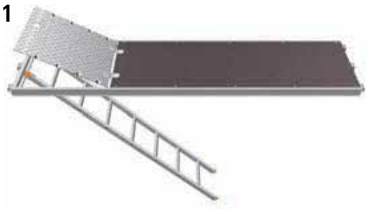

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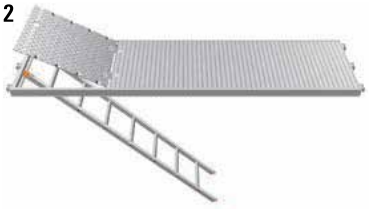

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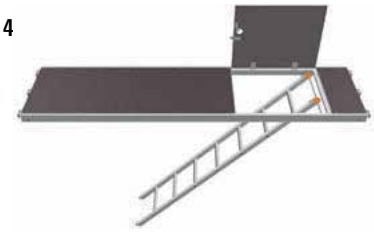

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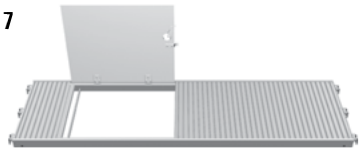

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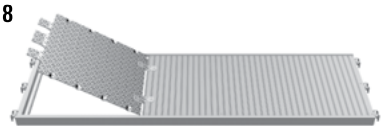

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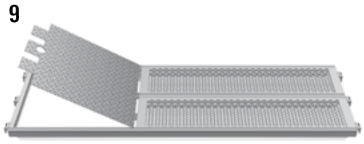

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Pos.	Description	Use to load class	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**U-Xtra-N deck, 0.61 m wide, with integrated access ladder** deck surface of glass-fibre-reinforced plastic, aluminium access hatch	IND 3	2.57 x 0.61	25.4	40	**3869.257**
		3	3.07 x 0.61	29.5	40	**3869.307**
2	**U-aluminium hatch-type access deck, 0.61 m wide, with integrated access ladder** easy access with aluminium deck surface and aluminium access hatch	IND 3	2.57 x 0.61	24.0	40	**3852.257**
		3	3.07 x 0.61	28.0	40	**3852.307**
3	**U-robust hatch-type access deck, 0.61 m wide, with integrated access ladder**	IND 3	2.57 x 0.61	24.0	40	**3838.257**
		3	3.07 x 0.61	27.4	40	**3838.307**
4	**U-robust hatch-type access deck, 0.61 m wide, hatch offset, with integrated access ladder**	IND 3	2.57 x 0.61	25.2	40	**3859.257**
		3	3.07 x 0.61	28.4	40	**3859.307**
5	**U-aluminium access deck, 0.61 m wide, hatch offset, with intergrated access ladder**	IND 3	2.57 x 0.61	25.0	40	**3875.257**
		3	3.07 x 0.61	29.0	40	**3875.307**
6	**U-robust hatch-type access deck, 0.61 m wide, hatch offset** without ladder. For use with pos. 10	IND 3	1.57 x 0.61	14.2	40	**3858.157**
		3	2.07 x 0.61	17.2	40	**3858.207**
7	**U-aluminium access deck, 0.61 m wide, hatch offset** without ladder. For use with pos. 10	IND 3	2.07 x 0.61	17.6	40	**3875.207**
8	**U-aluminium access deck, 0.61 m wide** easy access with aluminium deck surface and aluminium access hatch	IND 3	1.57 x 0.61	15.1	40	**3851.157**
		3	2.07 x 0.61	17.0	40	**3851.207**
		3	2.57 x 0.61	20.0	40	**3851.257**
		3	3.07 x 0.61	24.5	40	**3851.307**
9	**U-hatch-type steel access deck, 0.64 m wide** aluminium access hatch	4	2.07 x 0.64	28.9	30	**3813.207**
		4	2.57 x 0.64	38.0	30	**3813.257**
10	**Access ladder T19** steel, 7 rungs, for Allround Scaffolding System and SpeedyScaf System		2.15 x 0.35	7.6	70	**4009.007**

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Corner deck, adjustable 1
In the case of adjoining frame bays in 0.73 m wide scaffolding, the corners are covered with corner decks. System-conforming covers are therefore no longer a problem and you have a continuous deck surface with no risks of tripping or stumbling.

Corner solutions for circular scaffolding

The solution: a variable **corner deck 3** of steel for circular scaffolding of up to 30° with bay widths of 0.73 m and 1.09 m. It is mounted on one side in the U-section of the assembly frame, while the other side is laid on the main scaffolding deck. The angled-down deck surface of non-slip bulb plate provides a smooth crossover to the main deck. Lift-off prevention is assured as standard by placing the next assembly frame on top.

The **steel plank 7** is a safe bridging element capable of bearing high loads for all scaffolding systems.
It is preferred to wooden planks for use in areas with stringent fire protection requirements.

- Long service life, reusable
- Lower weight compared with wood plank
- Non-slip and non-inflammable
- If at least 2 steel planks are adjacent to one another, they may also be used in brick guards

The support length must be at least 10 cm at every support.

For scaffolding decks of wood, please see our catalogue System-free Accessories.

Secure the planks with locking pins, 2 self securing steel bolts or 1 securing screw for each end.

For closing of system-caused openings, **cover plates 5, 6** or the **telescoping system deck 10** can be used.

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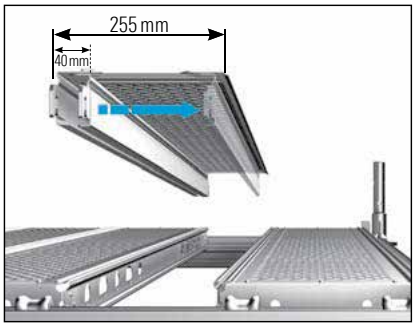

Pos.	Description	Use to load class	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**Corner deck, adjustable** for angles from 45° – 90°, with toe board in steel	3	0.61	21.5	30	**3819.000**
2	**U-console corner deck** Ⓢ		0.19 x 0.19	2.1	100	**3868.319**
			0.32 x 0.32	3.7	50	**3868.332**
3	**U-corner deck for circular scaffolding 30°,** steel		0.73	8.5	120	**3868.000**
			1.09 Ⓢ	12.1		**auf Anfrage**
4	**U-deck for equalisation bay** for steel assembly frames, for bridgings up to 0.5 m		0.50 x 0.19	4.3	100	**3868.019**
			0.50 x 0.32	7.2	100	**3868.032**
			0.50 x 0.61	13.8	100	**3868.061**
5	**Cover plate 320** construction height only 10 mm, use up to load class 6 with maximium opening widths of 20 cm	6	0.73 x 0.32	2.6	150	**3881.000**
		6	1.09 x 0.32	3.8	150	**3881.001**
		6	1.57 x 0.32	4.2	100	**3881.002**
		6	2.07 x 0.32	6.3	100	**3881.003**
		6	2.57 x 0.32	8.5	100	**3881.004**
		6	3.07 x 0.32	12.0	100	**3881.005**
6	**Cover plate 320 with hooks** construction height only 10 mm, for use in load class 6 with max. widths of 20 cm	6	1.57 x 0.32	4.5	100	**3882.157**
		6	2.07 x 0.32	6.6	100	**3882.207**
		6	2.57 x 0.32	8.8	100	**3882.257**
		6	3.07 x 0.32	12.3	100	**3882.307**
7	**Steel plank, 0.30 m** completely made of hot-dip galvanized steel	6	1.00 x 0.30	6.5	30	**3880.100**
		6	1.50 x 0.30	10.3	30	**3880.150**
		5	2.00 x 0.30	12.8	30	**3880.200**
		3	2.50 x 0.30	15.3	30	**3880.250**
	Steel plank, 0.20 m constructed as 3880	6	1.00 x 0.20	4.8	100	**3878.100**
		6	1.50 x 0.20	7.2	100	**3878.150**
		5	2.00 x 0.20	9.5	100	**3878.200**
		3	2.50 x 0.20	11.8	100	**3878.250**
8	**Locking pin** plastic, dia. 11 mm			0.5	100	**3800.013**
9a	**Securing screw**, long (red), steel hot-dip galvanized for securing of steel planks on steel decks	WS 19	0.08 x 0.03	4.0	50	**3800.016**
		WS 22	0.08 x 0.03	3.9	50	**3800.017**
9b	**Securing screw**, short (blue), steel hot-dip galvanized for securing of steel gap covers on steel decks	WS 19	0.04 x 0.02	2.3	50	**3800.018**
		WS 22	0.04 x 0.02	2.3	50	**3800.019**
10	**Telescoping U-system deck** closes openings between 40 and 255 mm	6	0.73	5.2	40	**3881.073**
		6	1.09	7.8	40	**3881.109**
		6	1.57	11.4	40	**3881.157**
		6	2.07	14.9	40	**3881.207**
		5	2.57	18.6	40	**3881.257**
		4	3.07	22.3	40	**3881.307**

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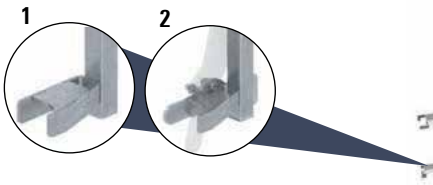
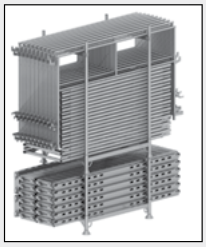
The system integrated **I-Guardrails 1, 2** are advanced guardrails with intermediate rail and handrail with are placed from the secured level. It can be used alternatively to the Layher Advance Guardrail System. With the **I-Guardrail 1,** the assembly direction is always from right to left (from the view out of the scaffolding). With the I-Guardrail with twist lock, the assembly sequence can be interrupted, which allows assembly by two work teams. After assembly of the frames on the next level, the I-Guardrails cannot be dismantled anymore as long as the hooks are secured in the guardrail boxes.

Further Informations about the I-guardrail can be found in the product film at:
yt-igelaender-en.layher.com

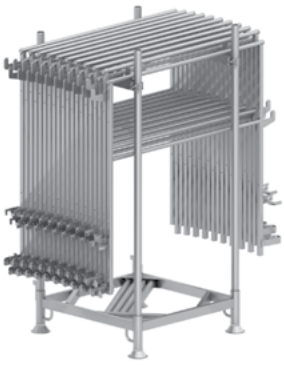
1 + 2





With the **cantilever for tube pallet 4,** 20 I-Guardrails and 21 SpeedyScaf assembly frames, 2.00 m high (with 2.57 or 3.07 m long I-Guardrails) can be stocked. With 2.07 m long I-Guardrails, 1.50-m-assembly-frames and with 1.57 m long I-Guardrails, 1.00-m-assembly-frames can be filled into the pallet.
By stacking with a tube pallet 125, a total stacking height of 2.80 m is the result.
The **cantilever for tube pallet 4** can also be used with the tube pallet 85 with mesh box insert (see catalogue for system-free accessories). In that case, baseplates or couplers can be stocked and transported under the I-Guardrails.

3a



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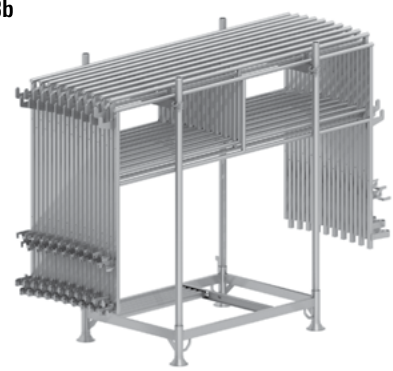
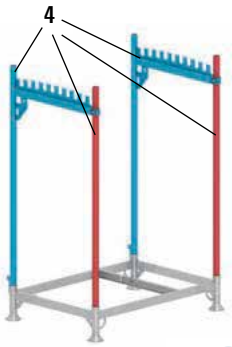
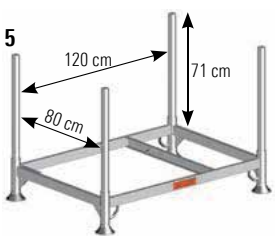
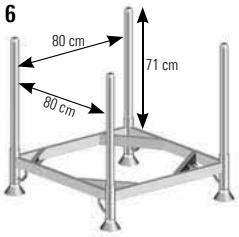




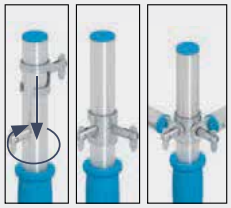




The **advance guardrail post T19 8,** the **telescoping assembly guardrail 1.57 / 2.07 m,** the **telescoping assembly guardrail 2.07 / 3.07 m 9** and the **advance end guardrail 7** are used for temporary protection against falls during assembly of scaffolding parts on the uppermost, unsecured scaffolding level.

Auszugslängen

Article	$L_{min.}$	$L_{max.}$
Assembly Guardrail 1.57 / 2.07 m	1.57 m	2.90 m
Assembly Guardrail 2.07 / 3.07 m	2.07 m	3.70 m



With the **tilting pin adapter 10** two guardrails can be fitted to one guardrail post at a 90° angle to one another. That enables different assembly variants, in particular inner and outer corners, to be created with the advance guardrail.

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Stocking and transport
One tube pallet 125 and 6 steel decks resp. 3 Robust- or Xtra-N decks can be used together with the **end plates for transport box 11** as a practical transport box . This can be used for protectively stocking and transport of the advance guardrail.

The box can contain approx.
36 Advance Guardrail Posts
36 Assembly Guardrails
2 Advance End Guardrails.

Further Informations about the advance guardrail can be found in the product film at:
yt-advanceguardrail-en.layher.com

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**I-Guardrail**	1.38 x 1.57	10.7	18	**1720.157**
		1.38 x 2.07	12.5	18	**1720.207**
		1.38 x 2.57	13.6	18	**1720.257**
		1.38 x 3.07	14.8	18	**1720.307**
2	**I-Guardrail with twist lock**	1.38 x 1.57	11.1	18	**1721.157**
		1.38 x 2.07	12.9	18	**1721.207**
		1.38 x 2.57	14.0	18	**1721.257**
		1.38 x 3.07	15.2	18	**1721.307**
3a	**I-Guardrail set with pallet** 20 I-Guardrail with twist lock, 1 cantilever, 1 tube pallet 85	1.90 x 1.57 x 0.97	296.8		**1724.157**
3b	**I-Guardrail set with pallet** 20 I-Guardrail with twist lock, 1 cantilever, 1 tube pallet 125	1.90 x 2.07 x 0.97	299.4		**1724.207**
		1.90 x 2.57 x 0.97	332.9		**1724.257**
		1.90 x 3.07 x 0.97	374.7		**1724.307**
4	**Cantilever for tube pallet** contains 2 cantilevers and 2 support tubes	0.97 x 1.90	42.4	5	**5106.147**
5	**Tube pallet 125** steel, hot-dip galvanized, length of pallet posts: 0.86 m, load 1500 kg, outer dimensions 1.37 x 0.97 m	1.37 x 0.97	32.0	10	**5105.125**
6	**Tube pallet 85** steel, hot-dip galvanized, length of pallet posts: 0.86 m, load 1500 kg, outer dimensions 0.97 x 0.97 m	0.97 x 0.97	30.8	10	**5105.085**
7	**Advance end guardrail** aluminium, for securing the scaffolding end, for bay widths of 0.73 m to 1.40 m	2.20 x 0.70	9.8	5	**4031.000**
8	**Advance guardrail post T19** aluminium, for tow advance guardrails (0.50 m and 1.00 m high); rapid attachment of guardrails with tilting pins		6.0	50	**4031.003**
9	**Assembly guardrail T19, 1.57 / 2.07 m**	1.70	2.9	50	**4030.207**
	Assembly guardrail T19, 2.07 / 3.07 m aluminium, telescopic	2.30	3.7	50	**4030.307**
10	**Tilting pin adapter** for use of the advance guardrail at outer and inner corners		0.3	200	**4031.005**
11	**End plate for transport box** plywood, easy fixation by the u-claws of the scaffolding decks	0.72 x 0.60	2.4	120	**5105.072**

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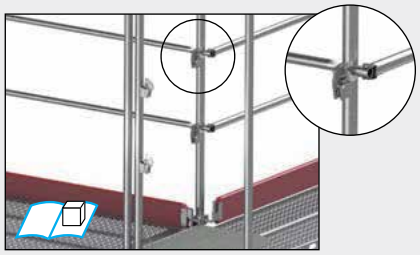
You can choose between **single 1 and double guardrails** in steel **2** or **double guardrails** in aluminium **3**. All guardrails are dropped into the guardrail wedge housings of the assembly frames and engaged on the wedge with a hammer blow to provide a positive and stable connection.

The **single end guardrails 4/5** are wedged to the vertical tube with the half-coupler.

The **double end guardrails 6/7** are wedged to the guardrail boxes.

The **guardrail, adjustable 8** is suitable for inner and outer corners and for non-system bays. A pivoted guardrail connecting lug is provided.



End guardrail, adjustable 9
The telescoping function of the adjustable SpeedyScaf **end guardrail 9** permits flawless adjustment to bracket widths of 0.36 to 0.73 m with scaffolding widths of 0.73 and 1.09 m, without any improvisation. Wooden toe board 0.36 m on request.

Guardrail box for Speedy frame 10
Speedy fitting of internal guardrails to the assembly frame LW. Guardrail boxes are attached simply by inserting and then turning them.

Internal guardrail fixing device 11
Quick fixing of internal guardrails (also on older speedy assembly frames) by wedging the U-profile to the assembly frame standard.

Guardrail coupler 12
For connecting guardrails outside the standard dimensions, and also for fitting wall-side guardrails to older assembly frames.

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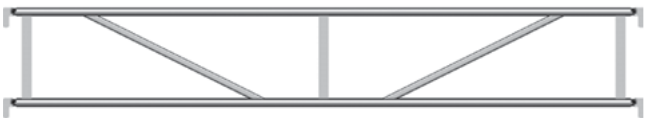

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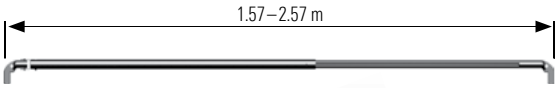

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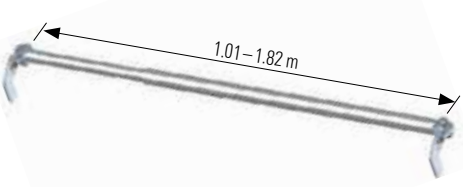

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Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**Single guardrail** steel		0.73	1.6	50	**1724.073**
			1.09	2.0	50	**1724.109**
			1.57	2.9	140	**1725.157**
			2.07	3.8	140	**1725.207**
			2.57	4.7	140	**1725.257**
			3.07	5.6	140	**1725.307**
2	**Double guardrail** steel		1.57 x 0.50	7.9	70	**1728.157**
			2.07 x 0.50	10.5	70	**1728.207**
			2.57 x 0.50	12.4	70	**1728.257**
			3.07 x 0.50	14.1	70	**1728.307**
			4.14 x 0.50	21.0	70	**1728.414**
3	**Double guardrail** aluminium		1.57 x 0.50	3.5	50	**1732.157**
			2.07 x 0.50	4.6	50	**1732.207**
			2.57 x 0.50	5.8	50	**1732.257**
			3.07 x 0.50	6.7	50	**1732.307**
4	**Single end guardrail,** 0.73 m		0.73	2.2	200	**1725.073**
5	**Single end guardrail,** 1.09 m		1.09	3.5	200	**1725.109**
6	**Double end guardrail,** 0.73 m	WS 19	0.73	4.4	100	**1728.719**
		WS 22	0.73	4.4	100	**1728.722**
7	**Double end guardrail,** 1.09 m	WS 19	1.09	5.6	50	**1728.119**
		WS 22	1.09	5.6	50	**1728.122**
8	**Guardrail, adjustable** (S) adjustment range 1.57 m – 2.57 m			6.9	50	**1726.000**
9	**End guardrail, adjustable** (S) for consoles of 0.36 to 0.73 m, with scaffolding widths of 0.73 and 1.09 m		1.02	5.1	50	**1726.001**
10	**Guardrail box for Speedy frame**			0.5	450	**1735.100**
11	**Speedy Internal guardrail fixing device without toe board pin** (S)		1.00	3.1	160	**1716.300**
	Speedy Internal guardrail fixing device with toe board pin (S)		1.00	3.3	160	**1716.301**
12	**Guardrail coupler with box**			1.3	450	**1735.000**

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Side protection

Toe boards 1/2
Easy fitting into the toe board pins, for complete three-part side protection. Wood, reddish-brown in colour.

Individual toe boards
The toe boards can be individually designed in printing and painting. Approval of the RAL colour upon request

Details zu Mindestabnahmemengen finden Sie in der Layher Info „Layher Individual"

Half-coupler with toe board pin 3
Toe board connection to inner corners and SpeedyScaf rolling towers, for example.

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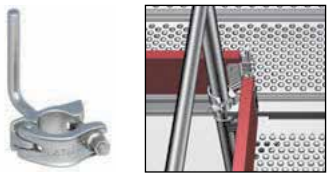
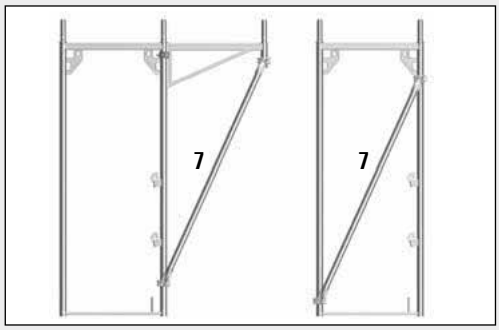


Bracing

Diagonal braces 4/5/7
for vertically bracing the scaffolding parallel and vertical to the facade, tube diametre 42.4 mm.

Diagonal guidance for regular assembly is specified in the approval notification. The diagonal braces are inserted into the corner plate at the top end of the assembly frame. Wedged to the lower diagonal point with the approved wedge half-coupler, they provide an absolutely positive and stable bracing with easy correctability during assembly.

The **base ledger 6** must be installed in the foot area of the diagonal bay.



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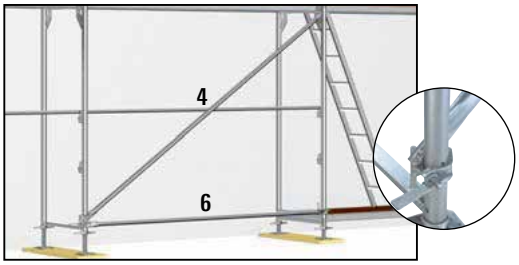

When the cover of the wedge half-coupler is directly underneath the hole marking, the scaffolding bay is vertically aligned.

Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**Toe board** IND for longitudinal side		0.73 x 0.15	1.6	140	**1756.073**
			1.09 x 0.15	2.4	140	**1756.109**
			1.57 x 0.15	3.1	140	**1757.157**
			2.07 x 0.15	4.7	140	**1757.207**
			2.57 x 0.15	5.6	140	**1757.257**
			3.07 x 0.15	6.8	140	**1757.307**
			4.14 x 0.15	10.3	140	**1757.414**
2	**End toe board** IND for end side		0.73 x 0.15	1.8	250	**1757.073**
			1.09 x 0.15	2.3	140	**1757.109**
3	**Half-coupler with toe board pin**	WS 19		1.0	450	**4708.019**
		WS 22		1.0	450	**4708.022**

Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
4	**Diagonal brace with wedge half-coupler**					
	for 2.07 m bay length, 2.00 m bay height		2.80	7.0	50	**1736.207**
	for 2.57 m bay length, 2.00 m bay height		3.20	7.8	50	**1736.257**
	for 3.07 m bay length, 2.00 m bay height		3.60	8.3	50	**1736.307**
	for 2.57 m bay length, 1.50 m bay height		2.97	7.3	50	**1737.257**
5	**Diagonal brace with 2 half-couplers** for 1.57 m bay length, 2.00 m bay height	WS 19	2.25	6.5	50	**1736.157**
6	**Base ledger** with 2 wedge half-couplers					
	for 2.07 m bay length		2.07	6.9	50	**1727.207**
	for 2.57 m bay length		2.57	8.6	50	**1727.257**
	for 3.07 m bay length		3.07	10.4	50	**1727.307**
7	**Section brace** with 2 half-couplers					
	for supporting the bracket 0.73 m	WS 19	1.80	6.0	50	**1740.177**
	and in assembly frame 0.73 m and	WS 22	1.80	6.0	50	**1741.177**
	as diagonal brace in a 1.57 x 1.00 m bay.					
	for supporting the bracket 1.09 m	WS 19	1.95	6.4	50	**1740.195**
	and in assembly frame 1.09 m	WS 22	1.95	6.4	50	**1741.195**

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SpeedyScaf can be quickly widened inwards or outwards: the **console brackets** are secured with the welded-on half-coupler in the corner plate of the assembly frame to form a deck level with the main scaffolding.

The **combi-brackets 3** allow the use of **plug-in console brackets 5/6** on a console bracket, if a scaffolding width 0.90 m is necessary or if offsets of the building must be adjusted.

The **plug-in console bracket 0.22 m 5 and 0.36 m 6** is used for quick modifications while building construction, when external thermal insulation compound systems will be fitted to the facade. Thus the required maximum distance between scaffolding and facade is ensured any time, without using internal guardrails. It is only fitted into the locking pin hole. There's no need for alignment or screwing. The plug-in console bracket cannot be used in combination with roof guard supports.

The **console bracket, 0.50 m 8** is used to lengthen or shorten scaffolding bays. When used for widening on the 0.73 m assembly frame, two **decks, 0.61 m** can be installed for a fully closed decking.

The **console bracket, 0.73 m 9** may only be installed with a bracket support **(section brace)** (page 24).

The **Speedy guadrail support with spigot 10**
If it is necessary to install internal guardrails when using the combi-bracket, the guardrail support with integrated spigot at the bottom end (1746.100) can be used.

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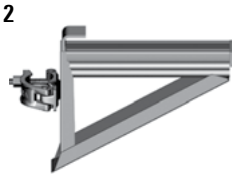

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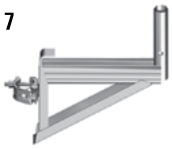

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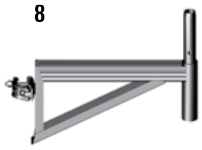

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Pos.	Bezeichnung		Maße L / H x B [m]	Gewicht ca. [kg]	VE [St.]	Artikel-Nr.	
1	**Console bracket, 0.22 m** without spigot, with integrated lift-off preventer, for 0.19 m wide scaffolding deck	WS 19	0.22	2.8	100	**1744.019**	
		WS 22	0.22	2.8	100	**1744.022**	
2	**Console bracket, 0.36 m** without spigot, with integrated lift-off preventer, for 0.32 m wide scaffolding deck	WS 19	0.36	3.3	125	**1743.319**	
		WS 22	0.36	3.3	125	**1743.322**	
3	**Combi-bracket, 0.36 m** with connection tube dia. 48.3 mm, for 0.32 m wide scaffolding deck	WS 19	0.36	4.8	100	**1746.319**	
		WS 22	0.36	4.8	100	**1746.322**	
4	**Combi-bracket, 0.50 m** with connection tube dia. 48.3 mm	WS 19	0.50	5.46		**1746.500**	NEW
5	**Plug-in console bracket, 0.22 m** without spigot, for 0.19 m wide scaffolding deck		0.22	1.3	250	**1746.022**	
6	**Plug-in console bracket, 0.36 m** without spigot, for 0.32 m wide scaffolding deck		0.36	1.6	250	**1746.036**	
7	**Console bracket, 0.36 m** with spigot, with integrated tilting-preventer, for 0.32 m wide scaffolding deck	WS 19	0.36	3.5	125	**1745.319**	
		WS 22	0.36	3.5	125	**1745.322**	
8	**Console bracket, 0.50 m** with spigot	WS 19	0.50	5.8	50	**1744.519**	
		WS 22	0.50	5.8	50	**1744.522**	
9	**Console bracket, 0.73 m** with spigot	WS 19	0.73	6.4	100	**1744.719**	
		WS 22	0.73	6.4	100	**1744.722**	
10	**Speedy guardrail support with spigot**		1.00	4.3		**1746.100**	NEW

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The **console bracket, 0.73 m, swivelling** **1** is placed on the spigot of the assembly frame and can be swung clear after removal of the deck. A further advantage is its use for corner solutions, since a 0.73 m bracket can be fitted at the same height. It may also only be used with a bracket support.

The **console bracket, 0.73 m, reinforced** **2** can be used in SpeedyScaf 70 in steel up to 3.07 m bay length (up to load class 3) and in brick guards. In this case, it is possible to dispense with the bracket support with SpeedyScaf 70 in steel. The advantages of the **console bracket, 0.73 m, reinforced** **2**:

- No need for section brace
- Less material needed
- Lower overall costs
- Coupler connection to frame possible at bracket level

The **console bracket, 1.09 m** **3** may only be installed with a bracket support **(section brace)** **7**.

The eaves bracket, 1.00 m **4** meets workplace requirements for painters, plasterers, plumbers and roofers. It obviates the need for structures requiring much time and material. The deck in the main scaffolding must be secured using the lift-off preventer. The toe board can be suspended in the eaves bracket.

Bracket decks too must be secured against inadvertent lifting off, therefore either the single guardrail support or the **lock against lift-off** **5** is essential. The lift-off preventer is secured by means of locking pins.

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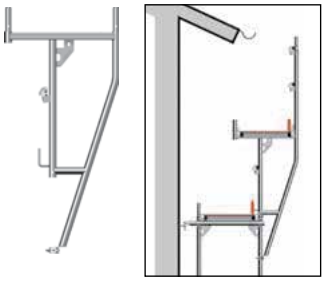

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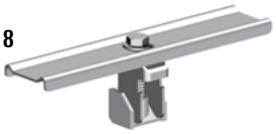
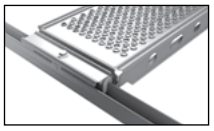
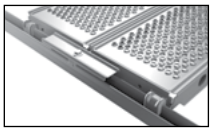
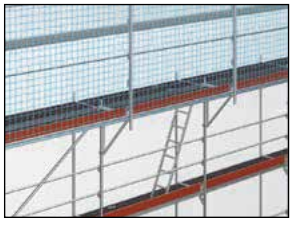




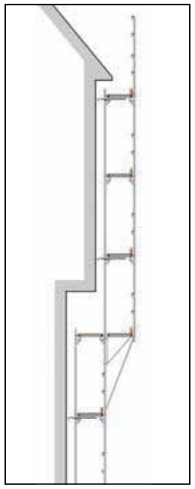
Securing of one deck



Securing of two decks



Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**Console bracket, 0.73 m, swivelling** with spigot		0.73	7.0	80	**1744.073**
2	**Console bracket, 0.73 m, reinforced** with spigot	WS 19	0.73	8.8	40	**1745.719**
		WS 22	0.73	8.8	40	**1745.722**
3	**Console bracket, 1.09 m** with spigot	WS 19	1.09	9.6	30	**1745.119**
		WS 22	1.09	9.6	30	**1745.122**
4	**Eaves bracket, 1.00 m** steel, hot-dip galvanized		1.00 x 0.73	14.8	50	**1718.100**
5	**Lock against lift-off**					
	for bracket 0.36 m wide		0.36	0.9	250	**1743.036**
	for bracket 0.50 m wide		0.50	1.3	250	**1743.050**
	for bracket 0.73 m wide		0.73	1.5	500	**1743.073**
	for bracket 1.09 m wide		1.09	2.3	50	**1743.109**
6	**U-console corner deck** (S)		0.19 x 0.19	2.1	10	**3868.319**
			0.32 x 0.32	3.7	10	**3868.332**
7	**Section brace** with 2 half-couplers					
	for supporting the bracket 0.73 m	WS 19	1.80	6.0	50	**1740.177**
		WS 22	1.80	6.0	50	**1741.177**
	for supporting the bracket 1.09 m	WS 19	1.95	6.4	50	**1740.195**
		WS 22	1.95	6.4	50	**1741.195**
8	**Universal U-Lift-off preventer**	WS 19		1.0	500	**2635.000**



The maximum assembly height on brackets is dependent on the decks, bay lengths and assembly frames used. The appropriate structural strength specifications must be observed. Further information can be found in our SpeedyScaf Technical Brochure.

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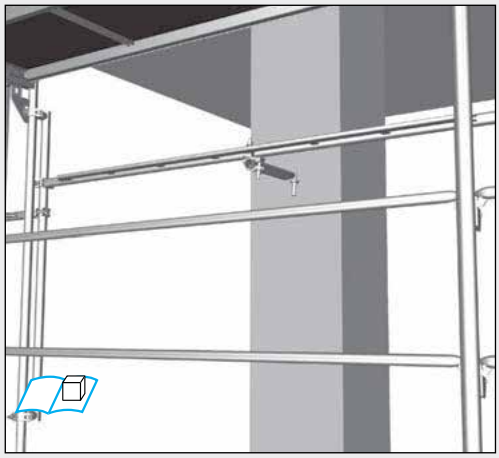
The scaffolding must be anchored vertically to and parallel with the facade with resistance to both tensile and compressive stress. Layher offers speedy and safe solutions:

- **The SpeedyScaf wall tie 1,** which is fastened with a **double coupler** in the corner plate of the assembly frame and is supported with the fork plate on the channel section of the assembly frame.
- **The wall tie 2,** which is connected with two double or corner plate couplers to both upright tubes.
- **Speedy corner plate coupler 5**
  For outside and inside brackets too, continuous anchoring directly on the corner plate of the **assembly frame LW** is possible and ensures a greater height clearance.

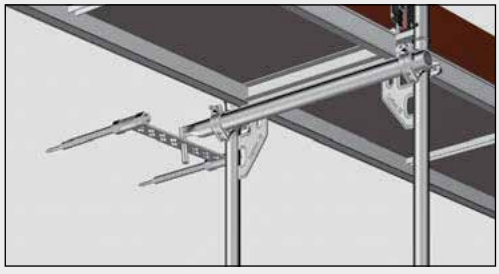
The anchoring forces in accordance with the approval or individual verification of structural strength can vary widely. The loading capacity of the anchoring, in particular of the anchoring foundation, must be carefully checked and verified (see instructions for assembly and use).

For double couplers see page 42. For insert testing instrument see catalogue System-free Accessories.

With the two-part **Speedy Vario Wall Tie System** from Layher, it is now possible to freely anchor scaffolding, independently of the connector of the assembly frames, inside the scaffolding level – without any substantial reduction in the load capacity and without any complicated additional structures.



The **ETICS-tie** is constructed for carrying high loads, parallel to the facade, in use together with external thermal insulation compound systems.



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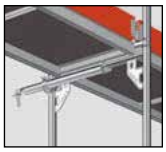

SpeedyScaf wall tie with double coupler

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2 wall ties connected in a V-shape with one double coupler each to the inner standard.

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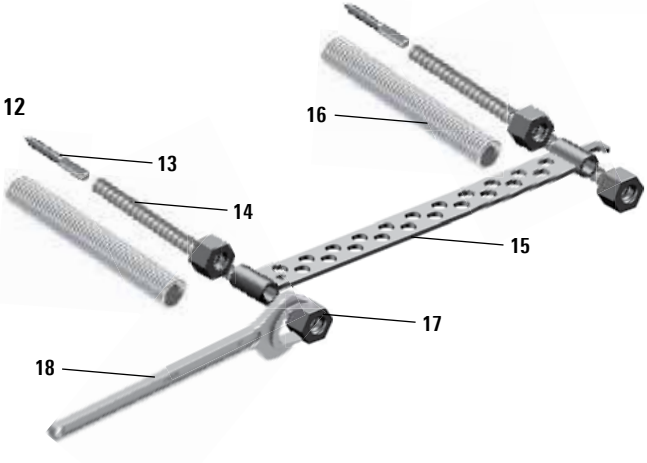

Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**SpeedyScaf wall tie**		0.69	2.8	100	**1755.069**
2	**Wall tie**		0.38	1.6	250	**1754.038**
			0.69	2.8	50	**1754.069**
			0.95	3.7	50	**1754.095**
			1.45	5.7	50	**1754.145**
			1.75	5.8	50	**1754.175**
3	**Speedy Vario wall tie Standard LW**			8.9	25	**1754.001**
4	**Speedy Vario wall tie Ledger LW**		1.57	9.0	25	**1754.157**
			2.07	12.1	25	**1754.207**
			2.57	15.0	25	**1754.257**
			3.07	17.7	25	**1754.307**
5	**Speedy corner plate coupler**	WS 19		0.9	450	**1735.019**
6	**Plastic wall insert,** plastic drilled hole dia. 14 mm		70 mm	0.3	25	**4008.072**
			100 mm	0.3	25	**4008.102**
			135 mm	0.3	25	**4008.137**
7	**Ring screw,** steel, galvanized, dia. 12 mm, for expanding plug		95 mm	1.6	10	**4009.097**
			120 mm	1.8	10	**4009.122**
			190 mm	2.5	10	**4009.192**
			230 mm	3.0	10	**4009.232**
			300 mm	3.5	10	**4009.302**
			350 mm	5.0	10	**4009.352**
8	**Cap,** 12 mm, white, for expanding plug Ref. No. 4008		12 mm	1.0	100	**4007.011**
9	**Telescopic stabilizer, steel,** 3.30 – 6.00 m		3.30	28.4	20	**4032.600**
10	**Peg solid,** dia. 24 mm		480 mm	1.8	500	**4032.100**
11	**Peg extraction device**			8.0	40	**4032.200**
12	**ETICS-tie 600 complete,** up to approx. 200 mm insulation		0.68	5.5	180	**4000.600**
	ETICS-tie 800 complete, up to approx. 300 mm insulation comprising items 15, 13 (2 x), 14 (2 x) and 17 (4 x)		0.88	6.9	120	**4000.800**
13	**ETICS hanger bolt,** M12 x 125		125 mm	2.0	25	**4000.127**
14	**ETICS-tie rod 380,** up to approx. 200 mm insulation		0.38	10.0	10	**4000.122**
	ETICS-tie rod 480, up to approx. 300 mm insulation		0.48	13.0	10	**4000.482**
15	**ETICS anchoring transom 600**		0.60	2.5	300	**4000.200**
	ETICS anchoring transom 800		0.80	3.3	100	**4000.300**
16	**Plastic pipe,** 50 m			5.0	18	**4000.050**
17	**Lock nut,** WS 36 x 30			4.0	20	**2671.132**
18	**Open ended wrench,** WS 36			0.5	5	**2671.135**

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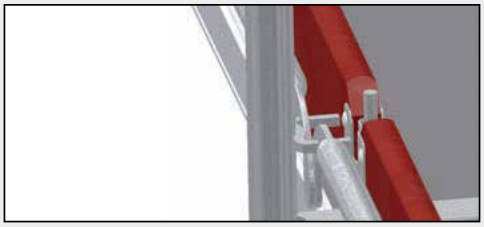
Roofer's guard system
The heightened side protection specified for roofing work is swiftly assembled in SpeedyScaf scaffolding: at the top level, attach the **brick guard support** 1 instead of a guardrail support, drop in two brick guards for each bay (locking element determines how they are installed), knock in wedges, insert toe boards and locking pins – done!

Speedy assembly frames LW are used to close off roofer's guard system levels at the ends.

Protection net 5
The nets are attached at the bottom (at scaffolding deck height) and at the top (2 m above the scaffolding deck) to a tube.



With quick strap fasteners, the protection net is attached to the tubes at every 750 mm. A toe board and a handrail are required in any event.

Protection net 10.00 x 2.00 m, specification:
Mesh width 100 mm, blue, made of PPM 4.5 mm, knotless, as per DIN EN 1263-1, type U

Fan support 7
Protection against falling objects. The surfaces must be covered with system decks. Two decks 0.61 m wide are dropped in horizontally, and one deck 0.61 m and one deck 0.32 m at an angle.

Guardrail closure, top
Speedy intermediate frames 8 with welded-on wedge housings secure the top work deck. Guardrails are dropped in and wedged as on the assembly frame.

The **top end frames** 9 for securing the scaffolding end sides are already provided using end guardrails. Only the toe board still has to be fitted.

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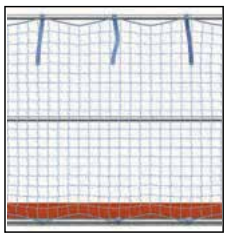

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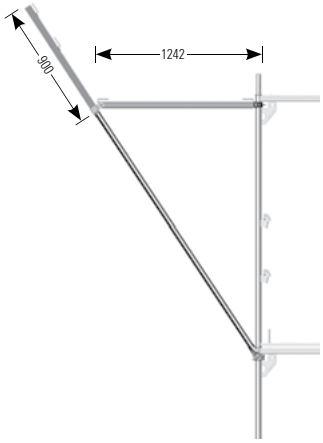

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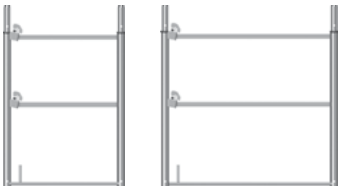

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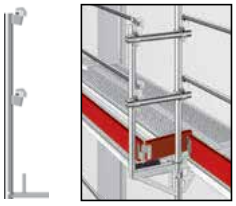
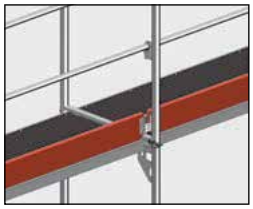


The **guardrail post** is used for 0.36 m brackets. The guardrail is closed at the end sides with tubes and couplers. An end toe board must be fitted by the customer.

11

By using the **scaffolding lock,** you can secure your scaffolding against unauthorized alteration or dismantling. Use in topmost level instead of locking pins.

Pos.	Bezeichnung		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**Brick guard support, 0.36 / 0.50 / 0.73 m** (Use on Speedy frames, 0.73 m, 1.09 m (with adapter) and brackets 0.36 m. 0.50 m and 0.73 m)		2.00 x 0.73	12.1	20	**1748.003**
2	**Adapter for brick guard support** for use with bay width of 1.09 m		0.68	2.3	200	**1748.002**
3	**Double-pin coupler SGS** for brick guard support, for combining the new and old variants	WS 19		0.9	450	**4702.219**
		WS 22		0.9	450	**4702.222**
4	**Double-pin coupler SR** for Speedy assembly frames LW, for use at end of bay	WS 19		0.9	450	**4702.319**
		WS 22		0.9	450	**4702.322**
5	**Protection net** with quick belt		10.00 x 2.00	5.9	40	**6232.002**
6	**Quick belt**		0.50	1.5	50	**6235.002**
7	**Fan support**		2.10	18.9	20	**1773.019**
8	**Speedy intermediate frame,** 0.73 m, steel		1.00 x 0.73	6.5	50	**1719.073**
	Speedy intermediate frame, 0.73 m, aluminium without spigot		1.00 x 0.73	2.7	50	**1769.073**
	Speedy intermediate frame, 1.09 m, steel		1.00 x 1.09	8.5	50	**1719.109**
9	**Speedy top end frame,** 0.73 m, steel		1.00 x 0.73	13.3	50	**1722.073**
	Speedy top end frame, 0.73 m, aluminium without spigot		1.00 x 0.73	4.6	25	**1770.073**
	Speedy top end frame, 1.09 m, steel		1.00 x 1.09	14.9	50	**1722.109**
10	**Speedy guardrail post,** single with guardrail wedge head housing, for bracket 0.36 m wide,					
	in steel		1.00	5.5	100	**1716.000**
	in aluminium		1.00	2.4	100	**1768.000**
11	**Scaffolding lock**					
	basic set, 2 keys and code card			2.2	10	**4000.003**
	basic set, 2 keys and code card			4.2	20	**4000.004**
	basic set, 4 keys and code card			10.5	50	**4000.005**
	Expansion set with same locking as basic set			4.2	20	**4000.006**
	Expansion set with same locking as basic set			10.5	50	**4000.007**

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Stair access

Scaffolding access, outside
The **U-platform stair, aluminium 2** offers increased safety, convenience and speed when ascending the tower. Material transport is facilitated by the additional use of the work decks as allround walkways. The access bay is connceted with the main scaffolding, by using the U- **7a** or L-distance coupler **7b**. The sections of these couplers are bearing for a 0.19 m wide deck.
When using I-Guardrails in the scaffolding, the L-distance coupler must be used. Alternatively the stairtower can be connected directly to the main scaffolding.
To close the deck surface, the **platform console** 0.50 m **8** is used.

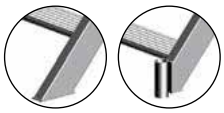
U-initial ledger for platform stair 5a, 5b
For assembly of the bottom level of the platform stairtower, a special initial ledger is availble.
By using it, the base plate can be kept under the main scaffolding. A second base plate to bear the U-section is not necessary. This allows a correct load transmission and reduces assembly time.

The **U-comfort stair, aluminium 3** bases on the platform stair and has reinforced stringers and step sections.
The 175 mm wide grooved steps guarantee more comfort when ascending the stairs, especially for high stair heights. Guardrails, internal guardrails and stairwell guardrail can be used from the platform stair.

Outer platform stair access (stairs in identical direction)

To avoid the risk of unwanted access to the scaffolding by using the stairs, Layher developed the **stair access barrier 13.** This one-part component convinces by its tool-free assembly and the flexible use on platform stairs and comfort stairs in every bay lengths.

1



1753.003

1753.002 / 1753.004

2

3

4

5a

5b

6

7a

7b

As guardrail in the upmost level in a 3.07 m-bay, the adjustable guardrail 1726.000 and in a 2.57 m-bay, the guardrail 1725.207 is used.

8

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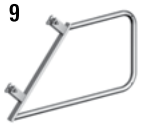

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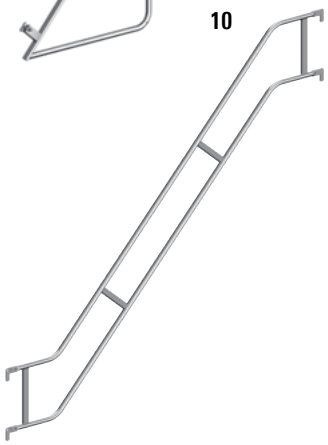

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12

For use with U-starting stair **1**

13

Modular stair

With the **modular stair,** accesses that always fit and that match the system can be constructed. Any intermediate dimension can be achieved simply by fitting together the individual stair parts. The stair rises 20 cm from step to step, and the bottom element with spindles is used for precise levelling. A wide variety of applications thanks to modular design. Little space needed for transport and assembly.

14

15

16

Height differences from 0.60 m to 1.60 m can be bridged. Load-bearing capacity: 3.0 kN/m². Design: steel, hot-dip galvanized. Connection of elements with bolt, dia. 12 x 55 mm and safety clip 2.8 mm (2 per joint). They are already included in the scope of delivery.

Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**U-starting stair, 0.64 m wide, aluminium**					
	1.00 m high, Load-bearing cap. 2.5 kN / m²; Step height 0.20 m		1.00 x 0.64	11.5	10	**1753.003**
	1.20 m high, Load-bearing cap. 2.5 kN / m²; Step height 0.20 m		1.20 x 0.64	13.5	10	**1753.002**
	1.70 m high, Load-bearing cap. 2.5 kN / m²; Step height 0.19 m		1.70 x 0.64	18.3	10	**1753.004**
2	**U-platform stair, aluminium**					
	Load-bearing cap. 2.5 kN / m², Stair class A acc. to EN 12811-1					
	for 2.57 m bay length, Step height 0.20 m, 2.00 m high, 0.64 m wide		2.57 x 0.64	21.9	10	**1753.257**
	for 3.07 m bay length, Step height 0.20 m, 2.00 m high, 0.64 m wide		3.07 x 0.64	26.3	10	**1753.307**
	for 2.57 m bay length, Step height 0.19 m, 1.50 m high, 0.64 m wide		2.57 x 0.64	21.5	10	**1753.251**
	for 2.57 m bay length, Step height 0.18 m, 2.00 m high, 0.94 m wide		2.57 x 0.94	33.7	10	**1753.258**
	for 3.07 m bay length, Step height 0.20 m, 2.00 m high, 0.94 m wide		3.07 x 0.94	40.1	10	**1753.308**
	for 2.57 m bay length, Step height 0.18 m, 1.50 m high, 0.94 m wide		2.57 x 0.94	36.6	10	**1753.252**
3	**U-comfort stair, aluminium**					
	Load-bearing cap. 2.5 kN / m², Stair class B acc. to EN 12811-1					
	for 2.57 m bay length, Step height 0.22 m, 2.00 m high, 0.64 m wide		2.57 x 0.64	27.0	10	**1755.257**
	for 3.07 m bay length, Step height 0.22 m, 2.00 m high, 0.64 m wide		3.07 x 0.64	32.0	10	**1755.307**
	for 2.57 m bay length, Step height 0.22 m, 2.00 m high, 0.94 m wide		2.57 x 0.94	37.0	10	**1755.258**
4	**Starter U-transom**		0.73	3.8	42	**1751.073**
			1.09	5.1	42	**1751.109**
5a	**U-initial ledger for platform stair** for use with distance coupler		0.73	5.4	50	**1752.073**
5b	**U-initial ledger for platform stair** with spacing for swivel coupler		0.73	5.3	50	**1752.081**
6	**Stair-guardrail post** for stairwell at the top level	WS 19	1.10	5.1	50	**1752.006**
7a	**U-distance coupler** for connecting stairtower to the work scaffolding	WS 19		2.0	250	**1752.019**
		WS 22		2.0	250	**1752.022**
7b	**L-distance coupler** for connecting stairtower to the work scaffolding with the use of I-Guardrails	WS 19		1.9	250	**1752.119**
		WS 22		1.9	250	**1752.122**
8	**Platform console** 0.50 m		0.50 x 0.50	8.6		**1752.500**
9	**Stairwell guardrail**	WS 19		6.2	40	**1752.004**
		WS 22		6.2	40	**1752.014**
10	**Stair guardrail**					
	for 2.57 m bay length, 2.00 m bay height		2.57 x 2.00	16.1	30	**1752.257**
	for 3.07 m bay length, 2.00 m bay height		3.07 x 2.00	17.6	30	**1752.307**
	for 2.57 m bay length, 1.50 m bay height		2.57 x 1.50	14.6	30	**1752.003**
11	**Stair guardrail T12**					
	for 2.57 m bay length, 2.00 m bay height	WS 19	2.25	13.5	20	**1752.007**
	for 3.07 m bay length, 2.00 m bay height	WS 22	2.25	13.5	20	**1752.008**
	for 2.57 m bay length, 1.50 m bay height Mandatory for opposite-direction stairs	WS 19	2.00	11.5	20	**1752.012**
	Internal guardrail					
	for U-starting stair	WS 19	1.00	7.8	20	**1752.011**
12	**Initial stair guardrail**	WS 19	0.90 x 1.70	9.9	20	**1752.009**
		WS 22	0.90 x 1.70	9.9	20	**1752.013**
13	**Stair access barrier**		1.83 x 0.53 x 0.06	12.1	30	**1753.019**

Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
14	**Stair foot section,** 0.60 m		0.60	6.8	15	**2639.060**
	Stair foot section, 0.95 m		0.95	7.8	50	**2639.095**
15	**Stair middle section,** 0.60 m		0.60	9.2	15	**2638.060**
	Stair middle section, 0.95 m		0.95	10.2	50	**2638.095**
16	**Stair head section,** 0.60 m		0.60	10.7	15	**2637.060**
	Stair head section, 0.95 m		0.95	11.7	50	**2637.095**

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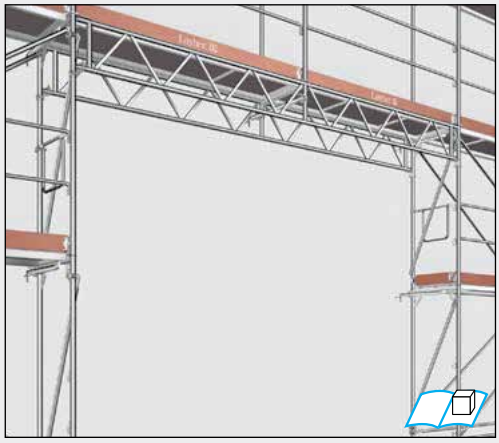
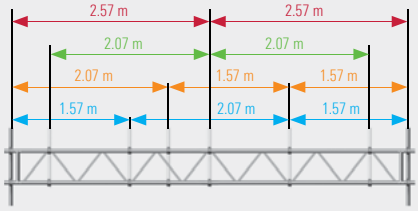
SpeedyScaf lattice beam LW 1
The top chord with engagement lugs at both ends and spigots for further construction in the standard dimension is dropped into the spigots of the assembly frame, while the bottom chord must be connected with **lattice beam couplers 2** to the upright tube. The use of the SpeedyScaf lattice beams is governed by the approval notification, which must be complied with. If the aluminium SpeedyScaf lattice beam is used, bear in mind the reduced load-bearing capacities! For bridging of up to 4.14 m distances with steel or aluminium decks in the standard SpeedyScaf assembly.



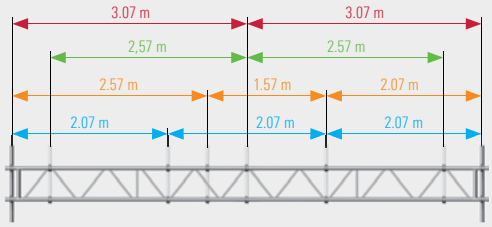
Example: SpeedyScaf lattice beam 5.14 m, covered scaffolding (special diagonal guidance)

System lattice beam 450 LW 4
Load capacities you can find in the type testing of the system lattice beam 450 LW.

Possible bay divisions



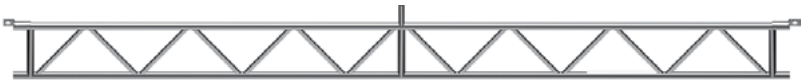
The following bay length combinations are possible with the **5.32 m long lattice beam:**
- 1.57 m + 2.07 m + 1.57 m
- 1 x 2.07 m + 2 x 1.57 m
- 2 x 2.07 m
- 2 x 2.57 m



The following bay length combinations are possible with the **6.32 m long lattice beam:**
- 3 x 2.07 m
- 1 x 2.57 m + 1 x 1.57 + 1 x 2.07 m
- 2 x 2.57 m
- 2 x 3.07 m

Further castors you'll find in the catalogue System-free Accessories.

1



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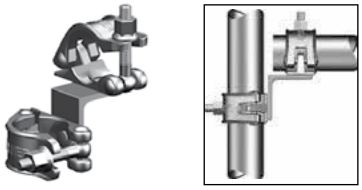


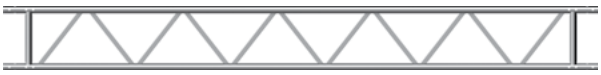
Use of the lattice beam coupler

3a

3b

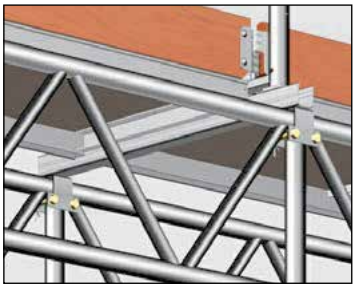
For accommodating scaffolding decks when bridging with SpeedyScaf lattice beams

4



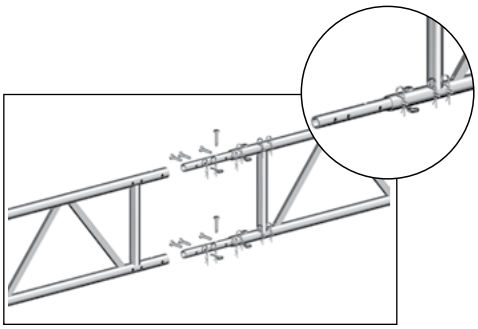
5

When placed on non-system lattice beams for bridging, it is also possible to continue construction in the standard system dimensions with 0.73 m wide assembly frames.



6a + b

7



8

Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**SpeedyScaf lattice beam LW,** steel					
	5.14 m (2 x 2.57 m bay)		5.14 x 0.45	46.4	20	**1781.514**
	6.14 m (2 x 3.07 m bay)		6.14 x 0.45	53.9	20	**1781.614**
	7.71 m (3 x 2.57 m bay)		7.71 x 0.45	67.2	20	**1781.771**
	SpeedyScaf lattice beam, aluminium					
	5.14 m (2 x 2.57 m bay)		5.14 x 0.45	22.5	20	**1767.514**
	6.14 m (2 x 3.07 m bay)		6.14 x 0.45	26.4	20	**1767.614**
2	**Lattice beam coupler**	WS 19		1.6	450	**4720.019**
	for SpeedyScaf lattice beam	WS 22		1.6	450	**4720.022**
3	**U-ledger for lattice beam** for accommodating scaffolding decks when bridging with SpeedyScaf lattice beams					
	a) 0.73 m		0.73	3.1	42	**4923.073**
	b) 1.09 m		1.09	7.8	42	**4923.109**
4	**System lattice beam 450 LW,** 45 cm high					
	2.25 m long		2.25 x 0.45	21.8	40	**4925.225**
	3.25 m long		3.25 x 0.45	30.9	40	**4925.325**
	4.25 m long		4.25 x 0.45	40.0	40	**4925.425**
	5.32 m long		5.32 x 0.45	49.5	40	**4925.532**
	6.32 m long		6.32 x 0.45	59.0	40	**4925.632**
5	**Intermediate transom,** 0.73 m incl. 4 bolts, for system lattice beams			6.5	50	**4924.073**
6a	**Pin** for Pos. 5		14 x 77	2.2	20	**5906.079**
6b	**Safety clip,** 2.8 mm for Pos. 6a			0.5	50	**4905.002**
7	**Unit beam spigot T16,** dia. 38 mm for straight extension of lattice beam Ref. Nos. 4912, 4922, 4902, 4903, 4925		0.54	2.4	350	**4925.000**
8	**Special bolt M12 x 60,** with nut		Required: 4 pcs. each	4.0	50	**4905.062**

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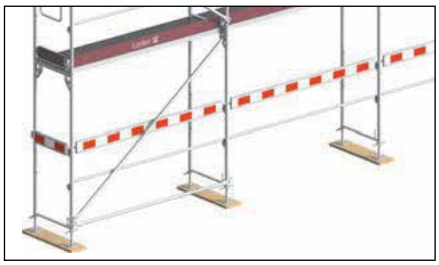
IND = Layher Individual possible – see page 7 NEW = new in the catalogue

Scaffolding barriers

In accordance with the German RSA guidelines for safeguarding work areas on roads, scaffolding must be provided with clearly visible barriers to separate it from public traffic routes such as walkways and cycle paths. Depending on local conditions, a reduced headroom – for example in pedestrian tunnels underneath scaffolding – may make a passageway marking necessary. To meet the requirements as set forth in RSA (Part A) for securing scaffolding and pedestrian walkways, Layher has designed for SpeedyScaf quick-to-fit components, made of steel and with red / white retro-reflecting film of reflection class RA 2. They are simply suspended from the guardrail wedge housings of the SpeedyScaf assembly frame. **Passageway markings 1.50 m with rotating half-couplers 3** are available for fitting at the ends.

Thanks to the galvanised surfaces of the components, they also offer a persuasive combination of long life and reusability.

1 and 2



3

Accessoires

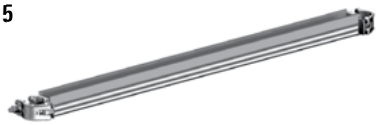
The **SpeedyScaf Intermediate transom 4 / 5** is used for constructing intermediate levels.

Many other parts for non-standard scaffolding applications are available on request.

For large roof overhangs, use the installation of **aluminium bridging ledgers 6. Spigots 7** on aluminium bridging ledgers hold the assembly frames above them and permit a 0.50 m or 1.00 m reduction of the bay width.

4

5



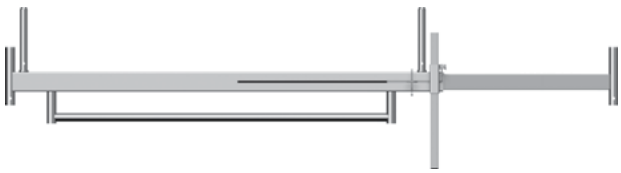
6

7

8

The use is only possible with 0.61 m wide scaffolding decks

9



10

The telescopic device: width max. 3.20 m, min. 2.30 m. The mobile beam can be used for all scaffolding systems (rolling towers, frame, modular and other scaffolding, tube-and-coupler) with a tube diameter of 48.3 mm.

Castors 8

The mobile solution for birdcage, bridge or suspended scaffolding is often the best alternative in terms of technical suitability, scheduling and price. In this field too, the choice, the delivery capability and not least the experience of the manufacturer point to Layher. If scaffolding is made mobile using castors, DIN 4420-3 applies. For these rolling towers, verification of structural strength is required.

Robust castors with twin brake (it brakes wheel and slewing ring) for various loads, offer a safer mobility of the scaffolding – without high effort.

Further castors you'll find in the catalogue System-free Accessories.

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**Longitudinal barrier**	0.73	2.0	70	**1787.073**
		1.09	2.7	70	**1787.109**
		1.57	3.6	70	**1787.157**
		2.07	4.6	70	**1787.207**
		2.57	5.6	70	**1787.257**
		3.07	6.5	70	**1787.307**
2	**Transverse barrier 0.73 m**	0.73	2.5	70	**1788.070**
3	**Passageway marking 1.50 m with rotating half-couplers**	1.50	5.3	70	**1788.150**

Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
4	**Speedy Scaf Intermediate transom, 0.73 m** with half-coupler, for intermediate layers					
		WS 19	0.73	3.9	100	**1742.719**
		WS 22	0.73	3.9	100	**1742.722**
5	**Speedy Scaf Intermediate transom, 1.09 m** with half-coupler, for intermediate layers					
		WS 19	1.09	5.1	100	**1742.119**
		WS 22	1.09	5.1	100	**1742.122**
6	**Aluminium bridging ledger, 2.57 m**		2.57	8.5	40	**1775.257**
	Aluminium bridging ledger, 3.07 m for mounting on spigot, for reduction of bay length		3.07	9.7	40	**1775.307**
7	**Spigot** incl. 2 bolts, for further construction on aluminium bridging ledger Ref. No. 1775		0.20	1.8	250	**1775.000**
8	**Castor 700** plastic wheel, dia. 200 mm. With base plate, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with twinbrake lever and load centering when braked. Wheel and slewing ring can be locked, permissible load: 7.0 kN		dia. 0.20	6.8	70	**1359.200**
9	**Mobile beam with bar,** 3.20 m, adjustable steel rectangular tube, hot-dip galvanized, for base widening in special rolling tower structures		3.20	42.6	20	**1338.320**
10	**Spigot,** adjustable steel, hot-dip galvanized, for use with mobile beam Ref. No. 4106.032		0.46	2.1	200	**1337.000**

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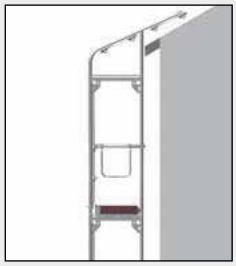
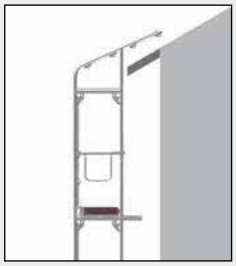
Weather protection

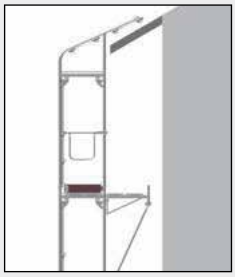
The **weather protection support** 1 is used for tarpaulin coverings against exposure to the weather at the top level of SpeedyScaf structures.

At the top scaffolding level, all assembly frames to which the weather protection support is attached must be anchored to the building for resistance to tension and compression. The weather protection support must be attached to the guardrail support and to the assembly frame using two swivel couplers, Ref. No. 4702, and additionally braced as shown in the sketch using a steel scaffolding tube (length = 1.50 m). On the outside, tilting pins are used for suspension of the tarpaulins, and at the top there are two guardrail wedge housings for bracing using guardrails.

Further information you'll find in the catalogue System-free accessories.

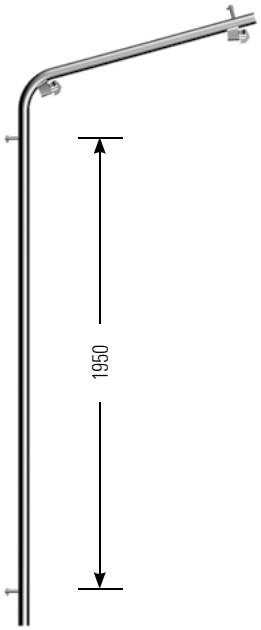


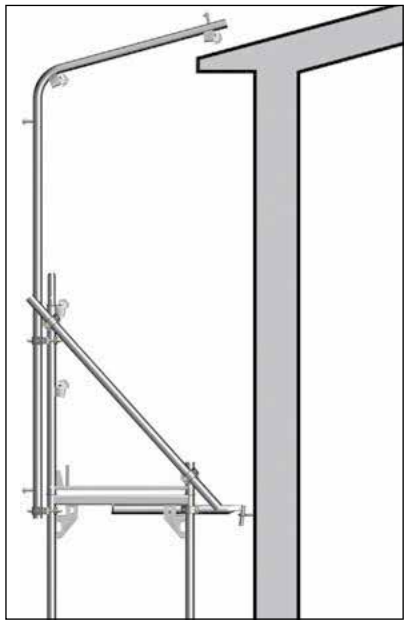




Uni weather protection bracket 2
Using inner brackets, roof projections of various sizes can be covered to ensure protection from the weather during facade work.

1





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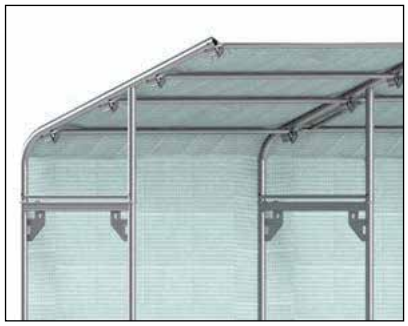


Railing clamp

Railing clamp 3
According to German regulations BGV C22 relating to construction work, a fall protection system must be provided for work areas and walkways on roofs and intermediate levels where the height of the fall is more than 2.00 m. The Layher railing clamp satisfies these requirements for securing concrete floor slabs or fascias of 16 – 33 cm in height and flat roofs.

The brick guard must be built in accordance with applicable regulations. The bay widths can be freely selected, max. 3.07 m long. The **guardrail standard** 4 is attached to the railing clamp and receives the guardrail. When installing on floor slabs, toe boards must be provided; these can be omitted in installation on fascias.

3

Installation on floor slabs

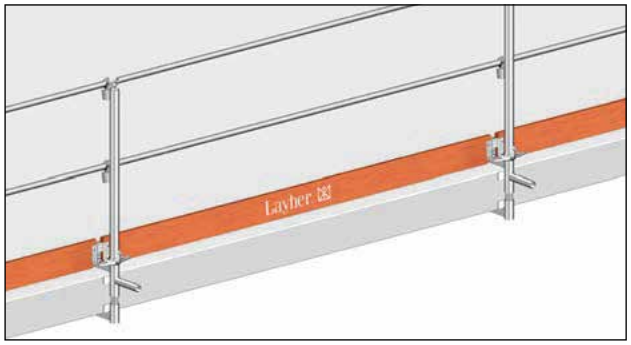
Installation on fascia

4

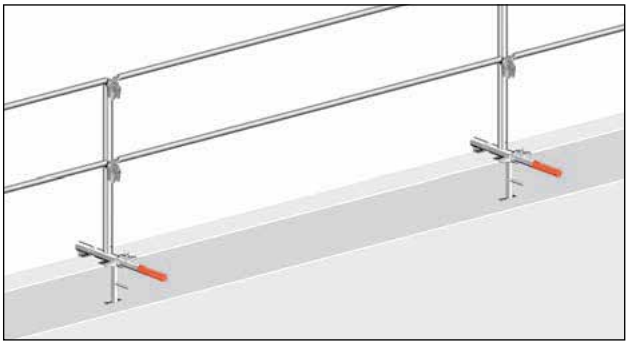
Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**Weather protection support** on the outside, tilting pins for suspension of the tarpaulin, at the top there are two guardrail wedge housings for bracing using guardrails	2.00	13.2	20	**1746.000**
2	**Uni weather protection bracket** with 4 guardrail boxes for stiffening, with single or double guardrails	0.73	12.4	20	**1746.001**

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
3	**Railing clamp**	0.58	7.0	40	**4015.100**
4	**Guardrail standard 0.89 m**	0.88	4.7	50	**4015.101**

Example for use of the railing clamp on floor slab:



Example for use of the railing clamp on fascia:



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Accessoires

Scaffolding couplers 1 / 2 connections, in steel, drop-forged; as per DIN EN 74 and general building authority approval from the DIBt (German Civil Engineering Institute). Tightening torque of collar nuts 50 Nm.

Standardised **scaffolding tubes 3** in steel (hot-dip galvanized) or aluminium permit, in conjunction with scaffolding couplers, special assembly and extension outside the regular version.

Further scaffolding couplers can be found in the catalogue for System-free Accessories.

1a / b

For right-angled connection of tubes with dia. 48.3 mm

2a / b

For connection at any angle of tubes with dia. 48.3 mm

3

Tools

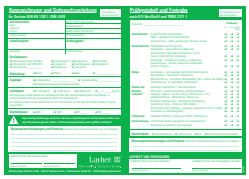
The three-piece **scaffolding identification pad 6** with carbon copy developed to tag work scaffolding. The right part is the inspection record for your files. Your client gets the carbon. On the back side of the carbon, important application notes are listed. Identification and prohibition signs for work scaffolding as per DIN EN 12811-1. Suitable **see-through pocket T17 with STOP 8** made of transparent plastic for weather protection.

The **scabbling pick, 600 g reinforced 7** on the hammer head ensures a consistently safe use. The additional hardened inner tube provides a standard breaking strength. In addition, the reinforced scabbling pick has a patented head-stem-connection, which also forgives failures. The orange handle provides good handling, good cushioning and low-fatigue working.

4

5

6



7

8

Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1a	**Double coupler** EN 74-1, class BB, C3, M (quality-monitored), for use on steel and aluminium tube	WS 19		1.3	450	**4700.019**
		WS 22		1.3	450	**4700.022**
1b	**Double coupler with coarse thread** description as Pos. 1a, acc. to approval Z-8.331-947	WS 19		1.3	450	**4777.019**
		WS 22		1.3	450	**4777.022**
2a	**Swivel coupler** EN 74-1, class B, C3, M (quality-monitored), for use on steel and aluminium tube	WS 19		1.5	450	**4702.019**
		WS 22		1.5	450	**4702.022**
2b	**Swivel coupler with coarse thread** description as Pos. 2a, acc. to approval Z-8.331-947	WS 19		1.5	450	**4778.019**
		WS 22		1.5	450	**4778.022**
3	**Scaffolding tube,** steel, hot-dip galvanized scaffolding tubes dia. 48.3 x 4.0 mm, as per DIN EN 39		1.00	4.5	61	**4600.100**
			2.00	9.0	61	**4600.200**
			3.00	13.5	61	**4600.300**
			4.00	18.1	61	**4600.400**
			5.00	22.7	61	**4600.500**
			6.00	27.3	61	**4600.600**

Pos.	Description		Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
4	**Ratchet spanner** for 19 and 22 mm widths across flats, with reversing lever for right-hand and left-hand operation, mandrel for ring bolts	WS 19 / 22	0.32	0.6	50	**4747.000**
5	**Magnetic spirit level**			0.4	5	**4006.666**
6	**Scaffolding identification pad** pad with 50 + 50 pieces (Original + Carbon) with centre perforation and foldover as carbon-block		DIN A4	0.5	5	**6344.500**
7	**Scabbling pick, 600 g reinforced**		0.32	0.8	5	**4421.051**
8	**See-through pocket T17 with STOP** for Ref. No. 6344.201 and 6344.500 with lock flag when inspection record is not inserted		0.30 x 0.17	0.4	10	**6344.011**

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Fall protection

The **PSA-safety harness AX 60 C** 1 has impressive features:

- Comfortable, padded and ergonomic back support
- Convenient tool holders and click-locks for easy fastening
- High operational dependability and absolute freedom from maintenance, plus very simple fastening
- Operating errors are not possible, as the equipment operates in any position
- Excellent running even under gruelling working conditions
- Enormous distribution of forces in the event of a fall

Before use, visual checks must be performed regularly to ensure correct working order. In accordance with German BGR 198 regulations, all personal safety equipment must be inspected at least once a year by an expert. The maximum permissible period of use for the equipment must not be exceeded.

1

2

3

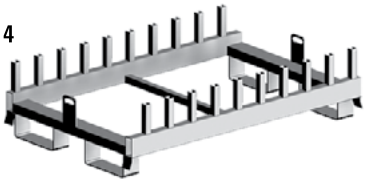
Scaffolding pallets

Tube pallets 7 / 8
in **square shape (85)** 8 or in **rectangular shape (125)** 7. The pallets are open on all sides. Tubes, standards, guardrails, diagonal braces, toe boards are transported and stored with this pallet. The empty pallets, stored permanently in the base frame using pallet posts, can be transported and stored in a space-saving way. The tube pallet 125 can carry e.g. 13 frames 0.73 m or 11 Robust decks 0.61 m or 15 Stalu decks 0.61 m or 24 steel decks.

Modular pallet and skeleton box 9 / 10
The palette or the skeleton box can be stacked with Euro pallets. Crane eyelets at top; an opening allows stacked material to be removed even if several pallets are stacked one above the other. The integrated timber base plate is 30 mm thick and it's nailed onto 50 x 50 mm square timbers.

More pallets you'll find in the catalogue System-free Accessories.

4



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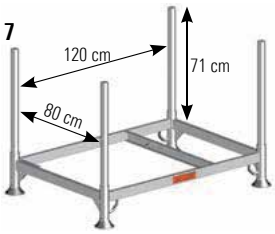

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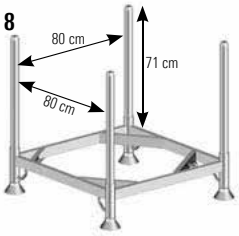

9

10

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
1	**PSA-safety harness AX 60 C with extension, 0.50 m** conforms EN 361		1.8	5	**5969.160**
2	**PSA-Flex safety rope, 2.00 m** with fall arrester and snap hook FS 90; as per EN 354 / EN 355, self-shortening to reduce tripping hazards	2.00 m	1.1	20	**5969.501**
3	**PSA scaffolding construction set** pos. 1 and 2 safety harness, safety rope 2.00 m, backpack (Use only in scaffolding construction)		3.5	50	**5969.170**

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
4	**Assembly frame pin pallet**				
	0.73 m	1.20 x 0.77	34.0	10	**5113.073**
	1.09 m	1.20 x 1.13	36.2	10	**5113.109**
5	**Retaining rod** 1 retaining rod necessary per pallet	1.20	2.1	10	**5113.120**
6	**Retaining bar**	1.12	3.1	500	**5110.112**
7	**Tube pallet 125** steel, hot-dip galvanized, length of pallet posts: 0.86 m, load 1500 kg, external dimensions 1.37 x 0.97 m	1.37 x 0.97	32.0	10	**5105.125**
8	**Tube pallet 85** steel, hot-dip galvanized, length of pallet posts: 0.86 m, load 1500 kg, external dimensions 0.97 x 0.97 m	0.97 x 0.97	30.8	10	**5105.085**
9	**Modular skeleton box with timber base plate** steel, hot-dip galvanized, internal dimensions 1.08 x 0.68 x 0.61 m, load 2000 kg, perm. onload 6000 kg, stackable with Euro pallets	1.20 x 0.80	85.8		**5113.002**
10	**Modular pallet** steel, hot-dip galvanized, internal dimensions 1.08 x 0.68 x 0.61 m, load 2000 kg, perm. onload 6000 kg, stackable with Euro pallets	1.20 x 0.80	45.0		**7042.004**

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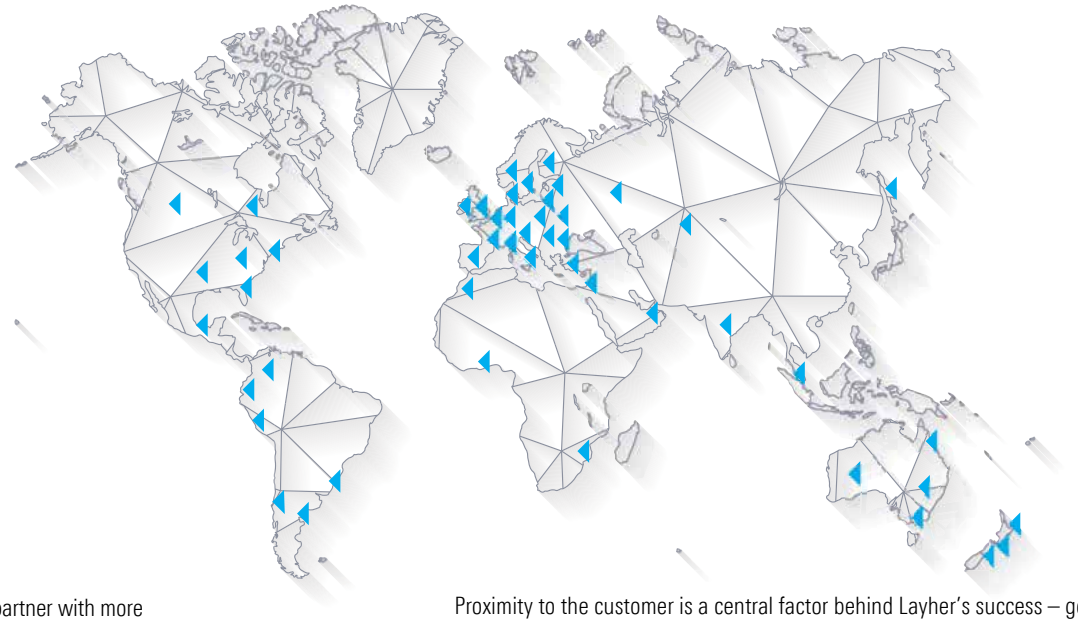

Layher is your dependable partner with more than 75 years of experience. "Made by Layher" always means "Made in Germany" too – and that goes for the entire product range. Superb quality – and all from one source.

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

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.

Headquarters in Eibensbach

Plant 2 in Gueglingen

Edition 04.2022

Layher®

More Possibilities. The Scaffolding System.

Wilhelm Layher GmbH & Co KG
Scaffolding Grandstands Ladders

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