Layher

More Possibilities. The Scaffolding System.

Quality management
certified according to
DIN EN ISO 9001

Energy management
certified according to
DIN EN ISO 50001

Environmental management
certified according to
DIN EN ISO 14001

Catalogue
2025/2026

LAYHER SPEEDY SCAF

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Scaf 2025 / 2026

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

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

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

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

01 THE COMPANY

Quality made by Layher comes from Gueglingen-Eibensbach. Our company has set down deep local roots since it was established. Right up until today, development, production and management are all in one place. This proximity creates advantages that benefit our customers all over the world: short distances, short response times, controlled quality and production.

Layher's history began more than 75 years ago with the manufacture of ladders and other agricultural equipment. Since then, Layher has significantly influenced the market for scaffolding and access technology. Today, more than 2,700 employees create more possibilities for our customers every day with a comprehensive range of services, a sustainable training programme and customer proximity. In more than 50 countries worldwide.

Layher lives **economic and ecological sustainability** in all process steps. Social responsibility towards employees, customers and society takes centre stage.

Headquarters in Gueglingen-Eibensbach

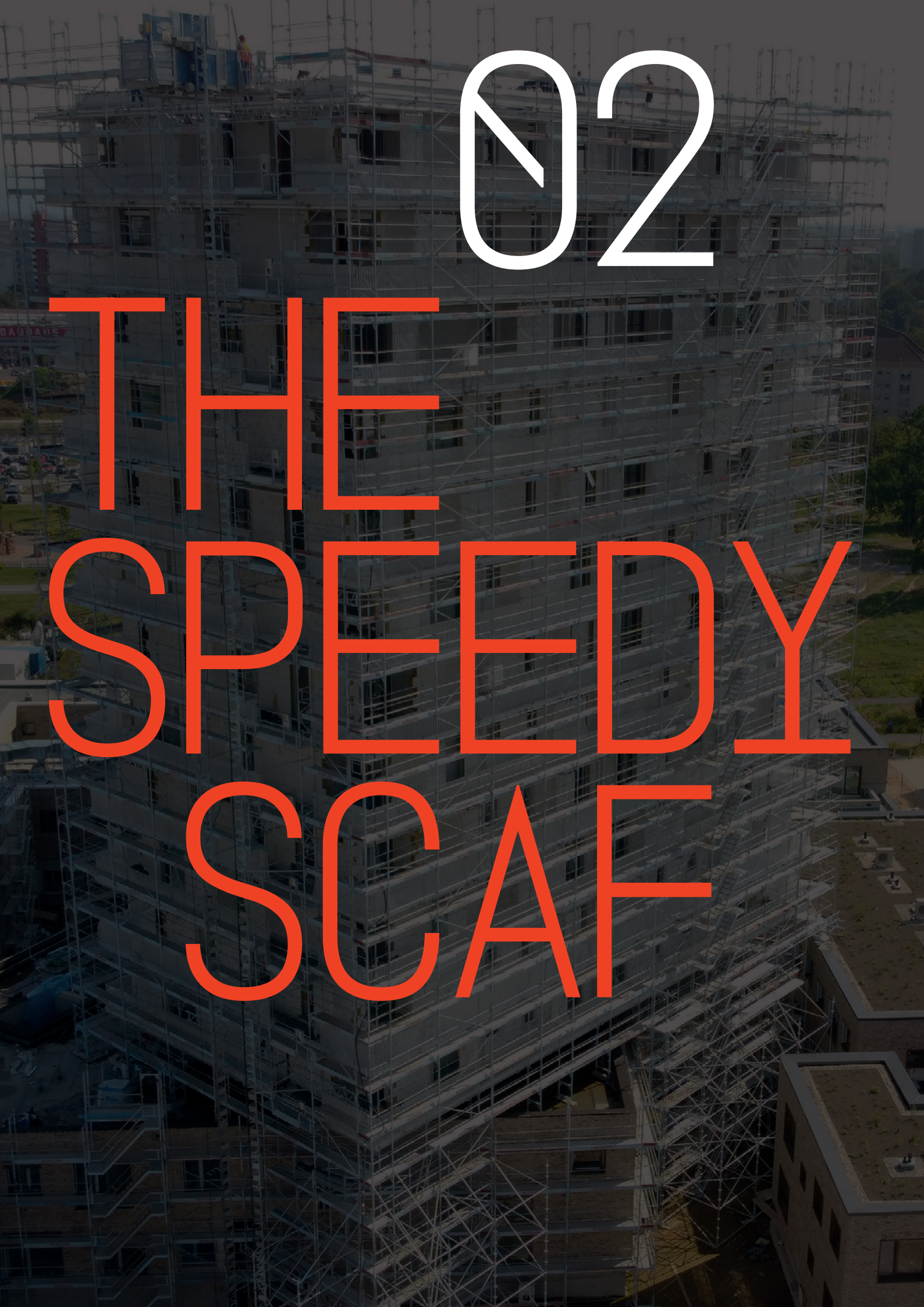
Plant 2 in Gueglingen

Plant 3 in Cleebronn

Discover the world of Layher in its company film.

WITH LAYHER, THERE ARE MORE POSSIBILITIES.

A comprehensive range of innovative products, application-orientated solutions and comprehensive services for easy, fast and safe working at height.

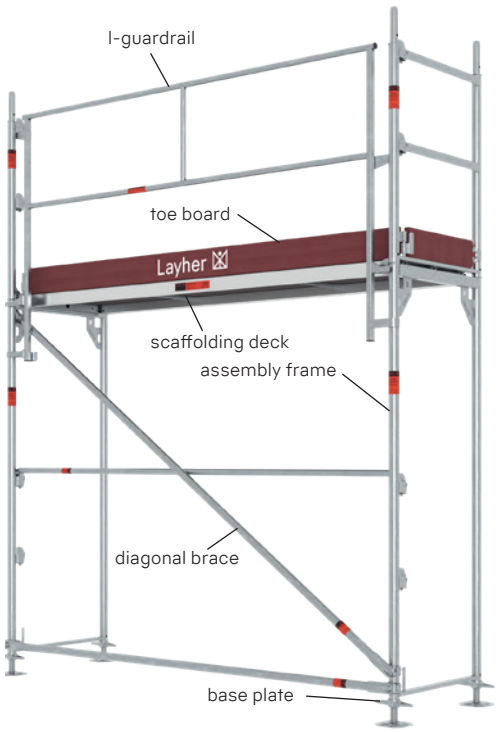


02

THE SPEEDY SCAF

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.



Well-thought-out connection possibilities for brackets and numerous anchoring points directly on the corner plate.

Easy installation of internal guardrails by insertion of guardrail wedge housings.

Effortless installation of scaffolding decks.

Fast and perpendicular assembly thanks to identification on the frame.

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 benefits for you:
- Ergonomically comfortable and safer handling plus high assembly capacity.
- Flexible in use: suitable for all trades, combinable with other Layher systems and products.
- Extensive and complete range of parts in structure-based standard lengths for 0.73 m and 1.09 m widths.
- Comprehensive approvals for steel and aluminium to ensure more safety during use.

Software for scaffolding construction

Time and materials are decisive factors in scaffolding construction. To utilise both as efficiently as possible, Layher has the practice-oriented scaffolding planning software LayPLAN SUITE in its range.

The various LayPLAN SUITE modules provide a wide range of solutions, from scaffolding configurators for planning support and planning tools for CAD systems to tools for transferring to framework programmes and virtual reality solutions.

Learn more in the Brochure "System Solutions Digitalisation and Software".

LayPLAN SUITE

LayPLAN CLASSIC

LayPLAN CAD

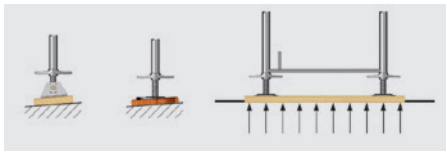
LayPLAN MATERIALMANAGER

Learn more on YouTube
Layher SIM

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
	plug-in for BricsCAD, for designing complex scaffolding in 3D and for developing scaffolding proposals from LayPLAN CLASSIC	6345.106

Base plates

For load transmission and ground adaptation, 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.

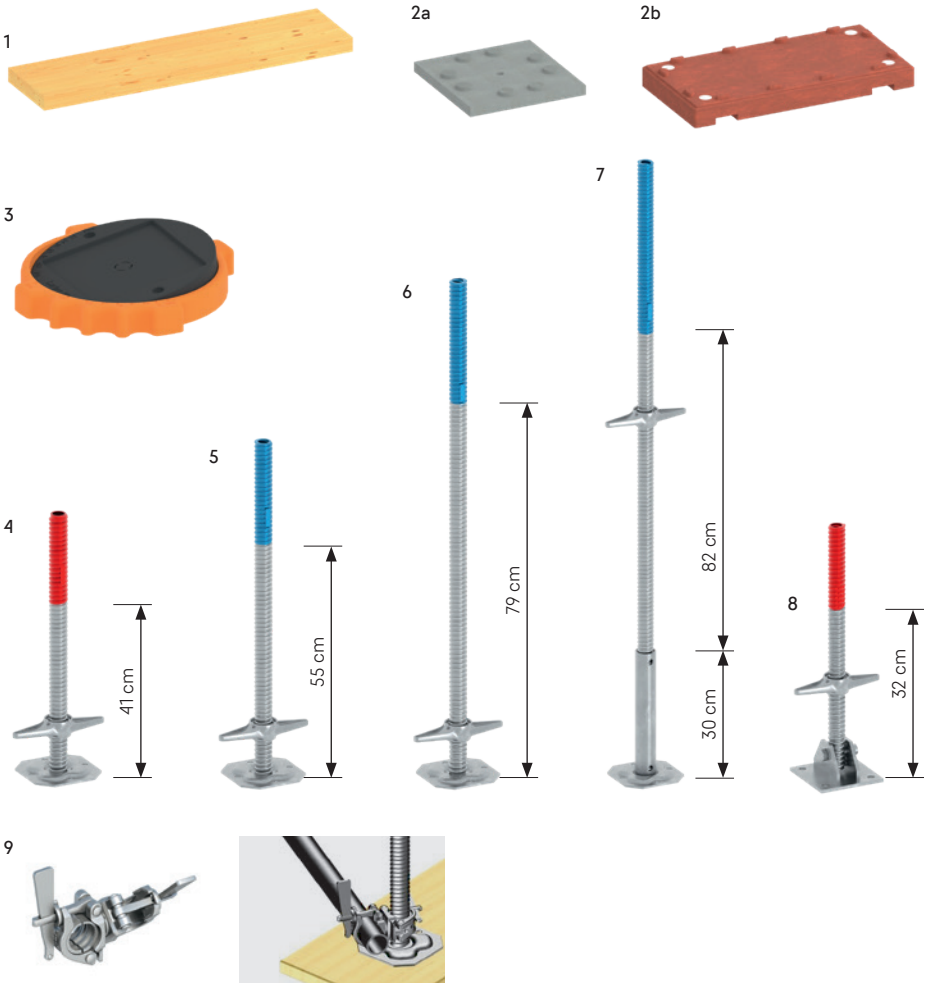


The round threads of all Layher scaffolding spindles have an outside diameter of 38 mm. The wing external dimension of the spindle nut is 205 mm. The dimensions of the foot plate are 150 x 150 mm.

Adjustment to inclined surfaces is made using the infinitely **adjustment plate** 3 or the **swivelling base plate** 8.

The **wedge-spindle swivel coupler** 9 enables direct connection of scaffolding tubes d=48.3 mm to the threaded tube of a spindle at any angle.

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



Pos.		Description	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**Scaffolding plank** 45 mm high, freshly sawn, sorting category S10	1.00 × 0.24	5.2	80	3816.100
			1.50 × 0.24	7.8	80	3816.150
2		**Plastic underlay for base plate**				
	a	grey, with burls for easy stacking	0.26 × 0.02 × 0.26	1.5	400	4000.700
	b	brown, to distribute loads, with burls for easy stacking	0.40 × 0.04 × 0.20	4.2	250	4000.701
3		**Adjustment plate for base plate** of glass-fibre-reinforced polyamide plastic, inclination 0 – 16 %	d=0.30	1.3	250	4000.400
4		**Base plate 60** (max. spindle travel 41 cm)	0.56	3.6	200	4001.060
5		**Base plate 80** reinforced (max. spindle travel 55 cm)	0.73	4.9	200	4002.080
6		**Base plate 110** reinforced (max. spindle travel 79 cm)	1.10	6.5	100	4002.110
7		**Base plate 150, reinforced** reinforced (max. spindle travel 82 cm)	1.50	10.0	25	4002.130
8		**Swivelling base plate 60** reinforced (max. spindle travel 32 cm) ensure sufficient structural strength	0.58	6.1	250	4003.000
9		**Wedge spindle swivel coupler**		1.8	25	4735.000

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Assembly frames

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 rung secures the decks automatically for further extension and the toe board pin accommodates the toe boards.

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.

A hole in the outer standard ensures vertical assembly without a spirit level; slotted holes in the inner standard can accommodate guardrail boxes for the installation of inner guardrails.

The **gantry frame LW** 3 for safe protection of pedestrians underneath the scaffolding, by rebolting the central spigot for 0.73 m or 1.09 m scaffolding width.

1a

1b

1c

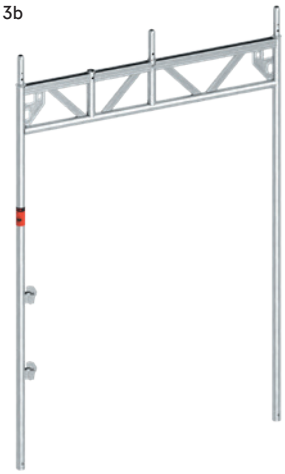
1d

1e

2

3a

3b

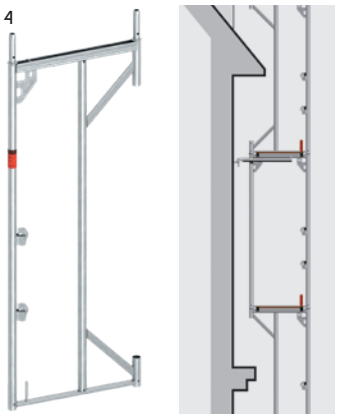


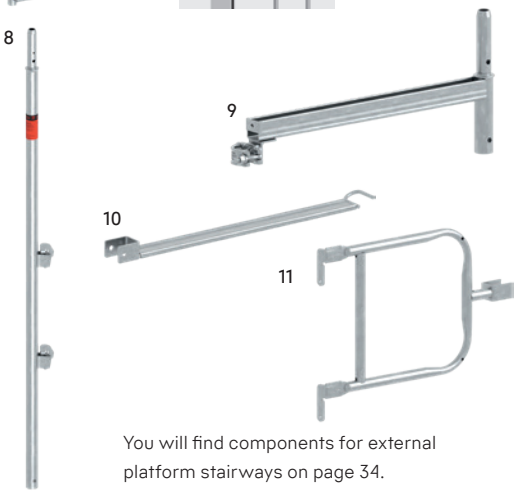
The assembly frame lightweight, 2.00 m, for balustrade 4 is used where a roof projection projects into the scaffolding. Above it, a maximum of four further levels can be constructed using standard assembly frames.

The assembly frame joints are secured with **locking pins** 5 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 for SpeedyScaf).

With the **reducer from 1.09 m to 0.73 m** 7, 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.

Above pedestrian tunnels, raised platform stairs can be realised with the **Speedy standard, 1.80 m** 8 and the **Speedy console ledger** 9. The position is secured with the **Lift-off preventer** 10.





You will find components for external platform stairways on page 34.

Pos.		Description		WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**Speedy assembly frame LW, steel**						
	a	standard frame, 2.00 x 0.73 m, with 2 guardrail wedge housings (only for outer guardrails)	IND		2.00 × 0.73	19.3	24	1773.200
	b	standard frame, 2.00 x 0.73 m, with 4 guardrail wedge housings (with inner and outer guardrails)	IND		2.00 × 0.73	20.4	24	1773.204
	c	standard frame, 2.00 x 1.09 m, with 2 guardrail wedge housings (only for outer guardrails)	IND		2.00 × 1.09	21.5	24	1782.200
	d	standard frame, 2.00 x 1.09 m, with 4 guardrail wedge housings (with inner and outer guardrails)	IND		2.00 × 1.09	22.3	24	1782.204
	e	narrow assembly frame 2.00 x 0.36 m	IND		2.00 × 0.36	15.8	50	1773.236
2		**Speedy assembly frame, aluminium** standard frame 2.00 x 0.73 m			2.00 × 0.73	8.6	24	1714.200
3	a	**Speedy gantry frame LW**	IND		2.20 × 1.09	26.3	24	1774.109
	b	steel, hot-dip galvanised	IND		2.20 × 1.50	31.2	24	1774.150
4		**Speedy assembly frame LW, 2.00 m, for balustrade** steel, hot-dip galvanised	IND		2.00 × 0.73	19.8	25	1773.241
5		**Locking pin** red, d=11 mm				0.1	100	4000.001
6		**Guardrail wedge housing cover** polypropylene				0.6	10 ▦	1710.004
7		**Reducer from 1.09 m to 0.73 m** with welded-on channel section	◈		1.09	8.3	20	4027.000
8		**Speedy Standard, 1.80 m** with 2 guardrail boxes	◈		1.80	6.8	28	1700.180
9		**Speedy console ledger**	◈	19	0.77	5.0	100	1744.770
10		**Lift-off preventer** for console bracket 0.77 m wide	◈		0.77	1.6	250	1743.077
11		**Double end guardrail** steel, for bay width 0.73–0.77 m	◈			4.2		1728.750

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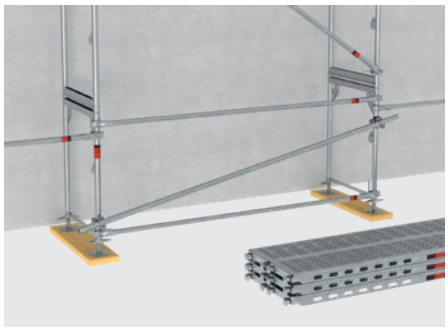
Adjustment frames

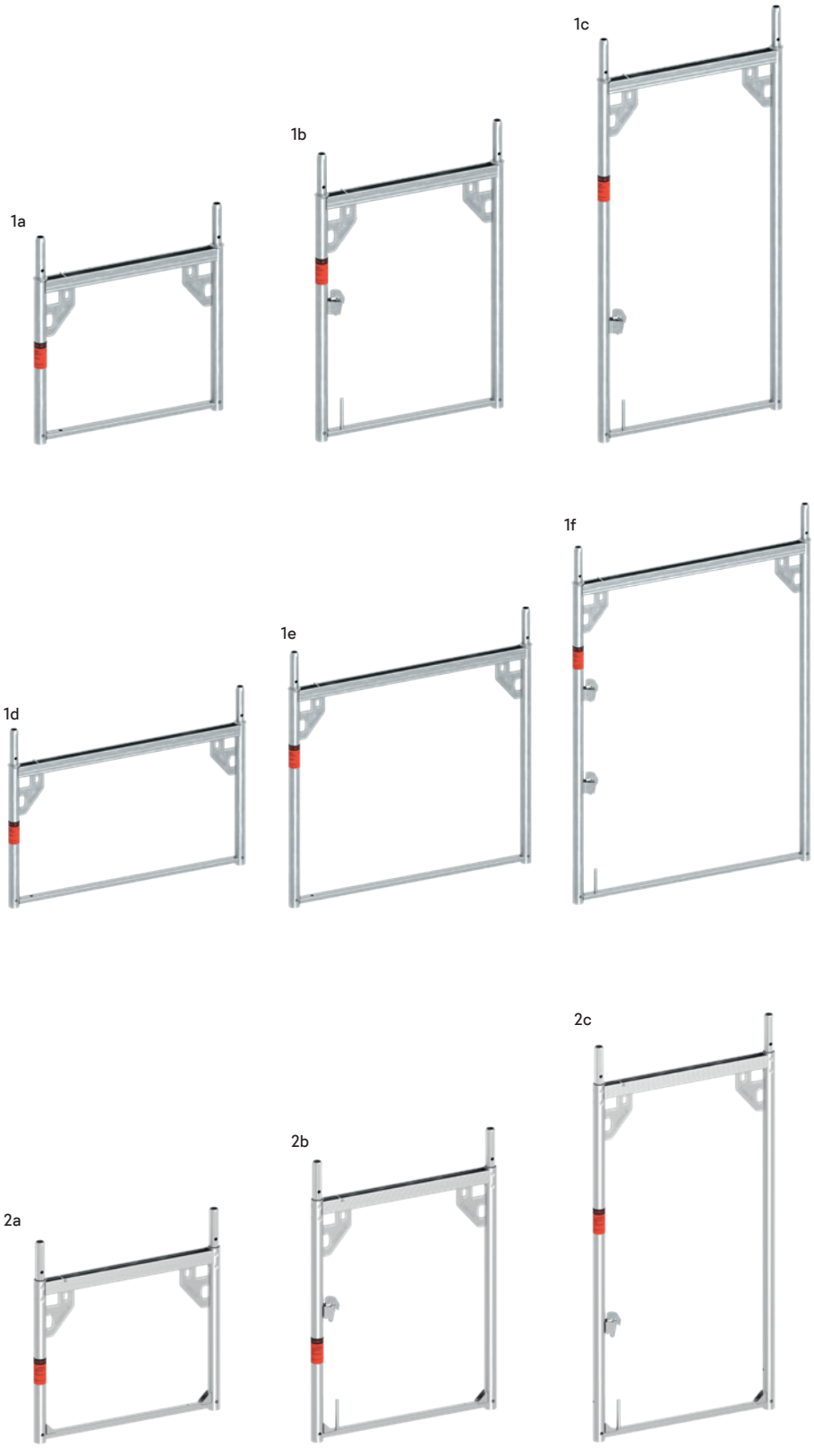
The scaffolding can be adapted to the lie of the land with **0.66 m** 1a**, 1.00 m** 1b and **1.50 m** 1c **adjustment frames.** Assembly always begins at the highest point. The **1.50 x 1.09 m assembly frame** 1f has two guardrail wedge housings, making it suitable for use in bricklayer's scaffolding.

Internal scaffolding access

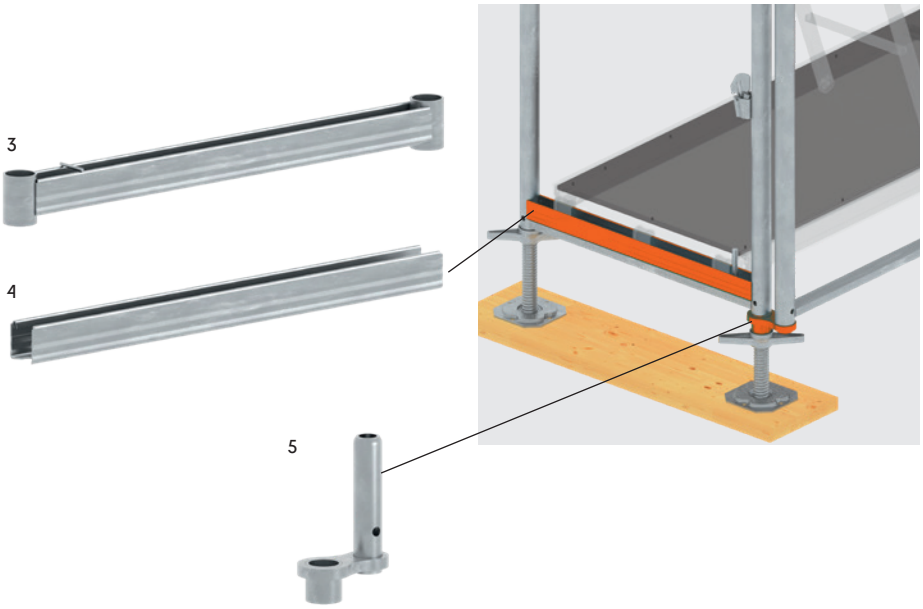
Our hatch-type access decks conform to the requirements of DIN EN 12811, with a separate or an integrated storey ladder for internal access. A deck must be fitted using **Starter U-transom** 3 or **U-base section** 4 as the erection surface for the lowest ladders.

If base ledgers (Ref. No. 1727.xxx) are mounted and **U-base sections** 4 are fitted on the above assembly frames, the deck above the adjustment frame can be removed for special uses.





Simplified assembly step with **corner adapter** 5 for round scaffolding and corner solutions. The corner adapter is plugged onto the base spindle to allow 2 assembly frames to be attached. The assembly frames can be positioned next to each other without attaching a coupling on the base side. There is no need to align the height of the second positioning frame. The centre distance corresponds to that of the Layher swivel coupler.



Learn more on YouTube
Layher SpeedyScaf LW

Pos.		Description	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**Assembly frame LW, steel**				
	a	adjustment frame 0.66 x 0.73 m IND	0.66 × 0.73	9.7	75	1773.066
	b	adjustment frame 1.00 x 0.73 m with 1 guardrail wedge housing and toe board pin IND	1.00 × 0.73	12.5	50	1773.100
	c	adjustment frame 1.50 x 0.73 m with 1 guardrail wedge housing and toe board pin IND	1.50 × 0.73	15.7	24	1773.150
	d	adjustment frame 0.66 x 1.09 m IND	0.66 × 1.09	11.5	75	1782.066
	e	adjustment frame 1.00 x 1.09 m IND	1.00 × 1.09	13.7	50	1782.100
	f	adjustment frame 1.50 x 1.09 m with 2 guardrail wedge housing and toe board pin IND	1.50 × 1.09	14.9	24	1782.150
2		**Assembly frame, aluminium**				
	a	adjustment frame 0.66 x 0.73 m	0.66 × 0.73	4.1	75	1714.066
	b	adjustment frame 1.00 x 0.73 m with 1 guardrail wedge housing and toe board pin	1.00 × 0.73	5.2	50	1714.101
	c	adjustment frame 1.50 x 0.73 m with 1 guardrail wedge housing and toe board pin	1.50 × 0.73	6.7	24	1714.150
3		**Starter U-transom** steel, galvanised	0.73	3.8	42	1751.073
			1.09	5.1	42	1751.109
4		**U-base section** steel, galvanised	0.73	2.2	500	1750.073
5		**SpeedyScaf corner adapter** axial dimensions 74 mm	0.074	1.3	25	1704.074

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Scaffolding decks

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 different boards. 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 very high load-bearing capacity values with a low component weight, thanks to the use of high-tensile steel and intelligent combination of perforation and profiling.

CO_2-reduced steel deck variant LW
Less CO_2 means more sustainability. The steel deck LW is also available in a CO_2-reduced version. When you purchase the CO_2-reduced version, you will receive a confirmation and a declaration of the CO_2 footprint for each item - with a TÜV stamp. Please contact us.

Further information can be found in the Layher Info 'CO_2-reduced steel deck LW'.

The **U-Xtra-N deck** 3/4 is identical in construction with the robust deck, but is equipped with a glass- fibre-reinforced plastic plate. It is very weather-resistant. 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** 5–8 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.

1


2


3


4


5


6


7


8


Pos.	Description		LC	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**U-steel deck LW, 0.32 m wide** steel, hot-dip galvanised, perforated, non-slip working surface	IND	6	0.73 × 0.32	5.6	60	3883.073
		IND	6	1.09 × 0.32	7.7	60	3883.109
		IND	6	1.57 × 0.32	10.5	60	3883.157
		IND	6	2.07 × 0.32	13.4	60	3883.207
		IND	5	2.57 × 0.32	16.4	60	3883.257
		IND	4	3.07 × 0.32	19.3	60	3883.307
		IND	3	4.14 × 0.32	25.6	60	3883.414
2	**U-steel deck, 0.19 m wide** constructed as 3812, as equalising deck, e.g. for birdcage scaffolding	IND	6	0.73 × 0.19	5.1	50	3801.073
		IND	6	1.09 × 0.19	6.4	50	3801.109
		IND	6	1.57 × 0.19	8.5	50	3801.157
		IND	6	2.07 × 0.19	10.2	50	3801.207
		IND	5	2.57 × 0.19	13.2	50	3801.257
		IND	4	3.07 × 0.19	15.3	50	3801.307
3	**U-Xtra-N deck, 0.61 m wide** aluminium stile section, glass-fibre-reinforced plastic plate, extremely durable, lightweight, non-slip working surface, easily stackable	IND	3	0.73 × 0.61	7.0	60	3866.073
		IND	3	1.09 × 0.61	9.5	60	3866.109
		IND	3	1.57 × 0.61	13.0	40	3866.157
		IND	3	2.07 × 0.61	16.2	40	3866.207
		IND	3	2.57 × 0.61	19.0	40	3866.257
		IND	3	3.07 × 0.61	22.5	40	3866.307
4	**U-Xtra-N deck, 0.32 m wide** constructed as Ref. No. 3866, as console or equalising deck, e.g. for birdcage scaffolding	IND	6	1.57 × 0.32	8.5	30	3877.157
		IND	5	2.07 × 0.32	10.7	30	3877.207
		IND	4	2.57 × 0.32	13.0	30	3877.257
		IND	3	3.07 × 0.32	15.2	30	3877.307
5	**U-stalu deck T21, 0.61 m wide** lightweight aluminium deck with sturdy, riveted steel caps	IND	6	0.73 × 0.61	6.7	34	3898.073
		IND	6	1.09 × 0.61	9.0	34	3898.109
		IND	6	1.40 × 0.61	11.0	34	3898.140
		IND	6	1.57 × 0.61	12.1	34	3898.157
		IND	6	2.07 × 0.61	15.3	34	3898.207
		IND	5	2.57 × 0.61	18.5	34	3898.257
		IND	4	3.07 × 0.61	21.7	34	3898.307
6	**U-stalu deck 50** for quick and economical decking of surface 1.09 m wide facade scaffolding with 2 decks or in surface scaffolding	IND	6	0.73 × 0.50	6.0	34	3855.073
		IND	6	1.09 × 0.50	8.0	34	3855.109
		IND	6	1.57 × 0.50	10.3	34	3855.157
		IND	6	2.07 × 0.50	13.1	34	3855.207
		IND	5	2.57 × 0.50	15.9	34	3855.257
		IND	4	3.07 × 0.50	18.6	34	3855.307
7	**U-stalu deck T9, 0.32 m wide** as equalizing deck, e.g. for birdcage scaffolding	IND	6	1.57 × 0.32	7.4	30	3856.157
		IND	6	2.07 × 0.32	9.2	30	3856.207
		IND	5	2.57 × 0.32	11.0	30	3856.257
		IND	4	3.07 × 0.32	13.3	30	3856.307
8	**U-stalu deck T9, 0.19 m wide** as equalizing deck, e.g. for birdcage scaffolding	IND	6	1.57 × 0.19	5.6	50	3857.157
		IND	6	2.07 × 0.19	7.2	50	3857.207
		IND	5	2.57 × 0.19	8.7	50	3857.257
		IND	4	3.07 × 0.19	10.2	50	3857.307

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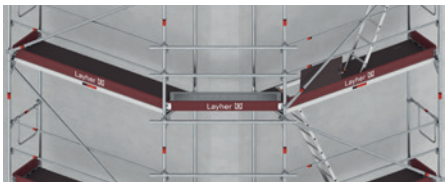
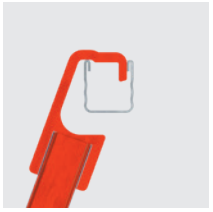
Internal scaffolding access

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 13).

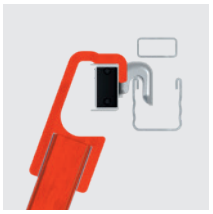
The **offset hatch-type access, 6 – 9** can be opened and closed even when bridging decks are placed on top.



Assembly situation of the access ladder 13



at the U-section of the assembly frame



at the U-access deck

at the U-access deck with offset hatch

1

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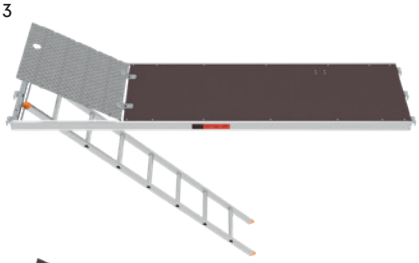
3



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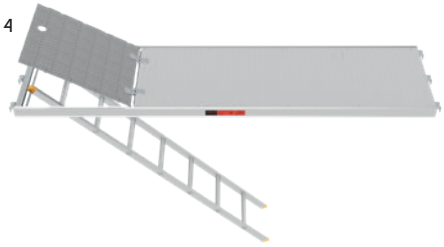

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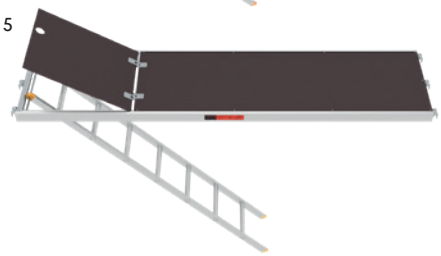

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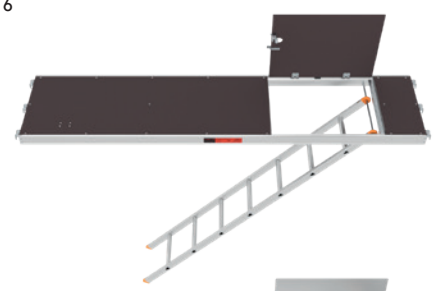

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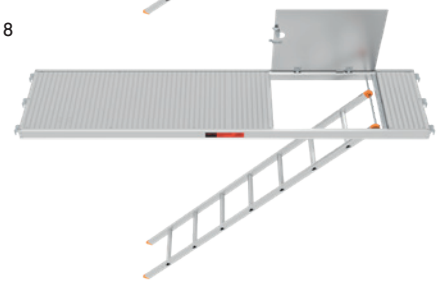

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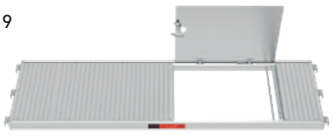

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11

LOAD CLASS 4

12

13

Pos.	Description		LC	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**U-alu deck, perforated, 0.32 m wide** deck and caps of aluminium with robust steel claws, perforated, non-slip working surface		6	0.73 × 0.32	3.1	60	3803.073
			6	1.09 × 0.32	4.4	60	3803.109
			6	1.57 × 0.32	6.5	60	3803.157
			5	2.07 × 0.32	8.0	60	3803.207
			4	2.57 × 0.32	10.0	60	3803.257
			3	3.07 × 0.32	11.5	60	3803.307
2	**U-robust deck, 0.61 m wide** aluminium stile section, plywood panel BFU 100G, phenolic resin coating and rot protection, lightweight, non-slip, easily stackable	IND	3	1.57 × 0.61	13.1	40	3835.157
		IND	3	2.07 × 0.61	16.4	40	3835.207
		IND	3	2.57 × 0.61	19.3	40	3835.257
		IND	3	3.07 × 0.61	22.6	40	3835.307
3	**U-Xtra-N access deck 0.61 m wide, with integrated access ladder** deck surface of glass-fibre-reinforced plastic, aluminium access hatch	IND	3	2.57 × 0.61	25.4	40	3869.257
		IND	3	3.07 × 0.61	29.5	40	3869.307
4	**U-aluminium access deck, 0.61 m wide, with integrated access ladder** lightweight access deck with aluminium deck surface and aluminium access hatch	IND	3	2.57 × 0.61	24.0	40	3852.257
		IND	3	3.07 × 0.61	28.0	40	3852.307
5	**U-robust access deck, 0.61 m wide, with integrated access ladder**	IND	3	2.57 × 0.61	24.0	40	3838.257
		IND	3	3.07 × 0.61	27.4	40	3838.307
6	**U-robust hatch-type access deck, 0.61 m wide, hatch offset, with integrated access ladder** aluminium stile section, plywood panel BFU 100G, phenolic resin coating and rot protection, lightweight, non-slip, easily stackable	IND	3	2.57 × 0.61	25.2	40	3859.257
		IND	3	3.07 × 0.61	28.4	40	3859.307
7	**U-robust hatch-type access deck, 0.61 m wide, hatch offset** aluminium stile section, plywood panel BFU 100G, phenolic resin coating and rot protection, lightweight, non-slip, easily stackable	IND	3	1.57 × 0.61	14.2	40	3858.157
		IND	3	2.07 × 0.61	17.2	40	3858.207
8	**U-aluminium access deck, 0.61 m wide, hatch offset, with integrated access ladder** lightweight access deck with aluminium deck surface and aluminium access hatch	IND	3	2.57 × 0.61	25.0	40	3875.257
		IND	3	3.07 × 0.61	29.0	40	3875.307
9	**U-aluminium access deck, 0.61 m wide, hatch offset** lightweight access deck with aluminium deck surface and aluminium access hatch	IND	3	2.07 × 0.61	17.6	40	3875.207
10	**U-aluminium access deck, 0.61 m wide** lightweight access deck with aluminium deck surface and aluminium access hatch	IND	3	1.57 × 0.61	15.1	40	3851.157
		IND	3	2.07 × 0.61	17.0	40	3851.207
		IND	3	2.57 × 0.61	20.0	40	3851.257
		IND	3	3.07 × 0.61	24.5	40	3851.307
11	**U-aluminium access deck LC 4, 0.61 m wide** lightweight access deck with aluminium deck surface and aluminium access hatch	IND	4	1.57 × 0.61	15.6	40	3886.157
		IND	4	2.07 × 0.61	17.6	40	3886.207
		IND	4	2.57 × 0.61	20.8	40	3886.257
12	**U-aluminium access deck LC 4, 0.61 m wide, with integrated access ladder** lightweight access deck with aluminium deck surface and aluminium access hatch	IND	4	2.57 × 0.61	24.3	40	3885.257
13	**Access ladder T19** steel, 7 rungs			2.15 × 0.35	7.6	70	4009.007

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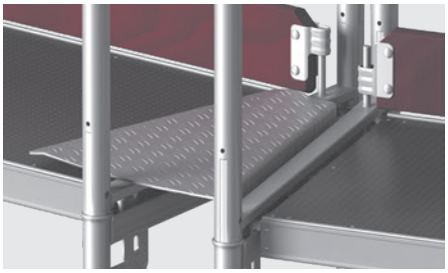
= delivery time on request = only available in this packaging unit = the approval process is not yet completed

In the case of adjoining frame bays in 0.73 m wide scaffolding, the corners are covered with **corner decks 1.** 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.



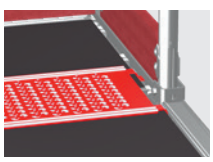
The **steel plank 7** is a safe bridging element capable of bearing high loads for all scaffolding systems. It is preferred to wooden planks for use in areas with stringent fire protection requirements.

- 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.

Further information, you can find in our catalogue for 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 11** can be used.

1

2

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4a

4b

4c

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6

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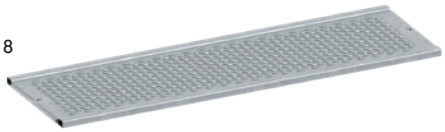

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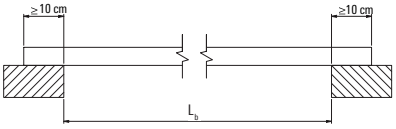
10a

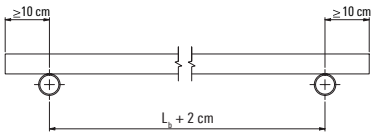
10b

Bridging length for steel planks

plane bearing



punctual bearing



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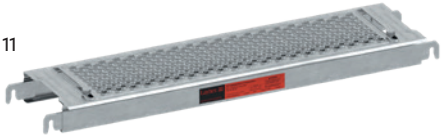
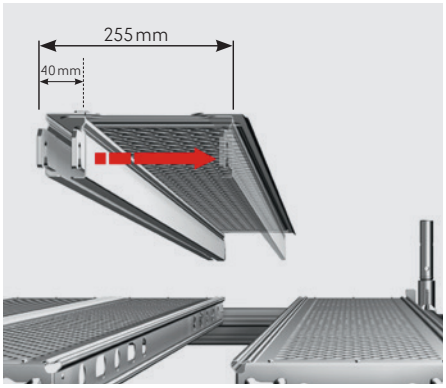


Maximum span L_b dependable on the used load class

	perm. p1)	max L_b	
	[kN/m²]	steel plank 300	steel plank 200
Load class 3	2.0	2.80 m	
Load class 4	5.0	2.10 m	2.43 m
Load class 5	7.5	1.73 m	2.10 m
Load class 6	10.0	1.50 m	1.82 m

1) on the whole deck surface



Pos.		Description	LC	WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**Corner deck, adjustable** steel, for angles from 45° – 90°, with toe board	3		0.61	21.5	30	3819.000
2		**U-console corner deck**			0.19 × 0.19	2.1	100	3868.319
					0.32 × 0.32	3.7	50	3868.332
3		**U-corner deck for circular scaffolding 30°**	6		0.73	8.5	120	3868.000
4	a	**U-deck for equalisation bay** for bridings up to 0.50 m	6		0.50 × 0.19	4.7	100	3868.019
	b		6		0.50 × 0.32	7.5	100	3868.032
	c		6		0.50 × 0.61	14.8	100	3868.061
5		**Cover plate 320, steel, 0.32 m**						
		for 0.73 m bay length	6		0.73 × 0.32	2.6	150	3881.000
		for 1.09 m bay length	6		1.09 × 0.32	3.8	150	3881.001
		for 1.57 m bay length	6		1.57 × 0.32	4.2	100	3881.002
		for 2.07 m bay length	6		2.07 × 0.32	6.3	100	3881.003
		for 2.57 m bay length	6		2.57 × 0.32	8.5	100	3881.004
		for 3.07 m bay length	6		3.07 × 0.32	12.0	100	3881.005
6		**Cover plate 320 with hooks, 0.32 m**						
		for 1.57 m bay length	6		1.57 × 0.32	4.5	100	3882.157
		for 2.07 m bay length	6		2.07 × 0.32	6.6	100	3882.207
		for 2.57 m bay length	6		2.57 × 0.32	8.8	100	3882.257
		for 3.07 m bay length	6		3.07 × 0.32	12.3	100	3882.307
7		**Steel plank**						
		0.30 m system-free, completely made of hot-dip galvanised steel	6		1.00 × 0.30	6.3	30	3880.100
			6		1.50 × 0.30	9.3	30	3880.150
			4		2.00 × 0.30	12.3	30	3880.200
			3		2.50 × 0.30	15.3	30	3880.250
			3		3.00 × 0.30	18.5	30	3880.300
		0.20 m system-free, completely made of hot-dip galvanised steel	6		1.00 × 0.20	4.8	100	3878.100
			6		1.50 × 0.20	7.2	100	3878.150
			6		2.00 × 0.20	9.5	100	3878.200
			4		2.50 × 0.20	11.8	100	3878.250
			3		3.00 × 0.20	14.8	50	3878.300
8		**Steel plank Xtra-Slim** 2 cm high, 0.30 m system-free, completely made of hot-dip galvanised steel	6		1.00 × 0.30	5.2	30	3887.100
9		**Locking pin for steel plank** d=11 mm not for multiple use			0.08	0.5	100 ▦	3800.013
10		**Securing screw**						
	a	long (red), steel galvanised, for securing of steel planks on steel decks		19	0.08 × 0.03	4.0	50 ▦	3800.016
				22	0.08 × 0.03	3.9	50 ▦	3800.017
	b	short (blue), steel galvanised, for securing of cover plate 320 on steel decks		19	0.04 × 0.02	2.3	50 ▦	3800.018
				22	0.04 × 0.02	2.3	50 ▦	3800.019
11		**Telescoping U-system deck** closes openings from 40 to 255 mm, continously adjustable	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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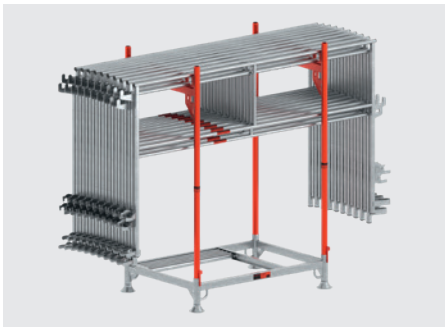
Side protection

The system integrated **I-Guardrails** 1 are advanced guardrails with intermediate rail and handrail with are placed from the secured level. 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.

With the **cantilever for tube pallet** 4 20 I-Guardrails and 21 SpeedyScaf assembly frames can be stocked. With 2.07 m long I-Guardrails, 1.50-m-assemblyframes and with 1.57 m long I-Guardrails, 1.00-m-assemblyframes can be filled into the pallet. By stacking with a tube pallet 125, a total stacking height of 2.80 m is the result.



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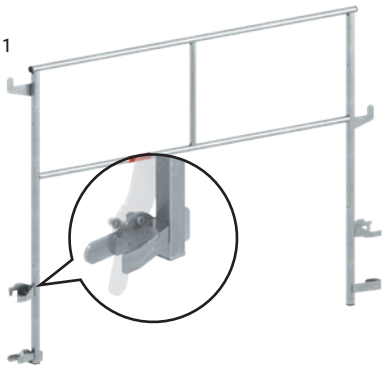

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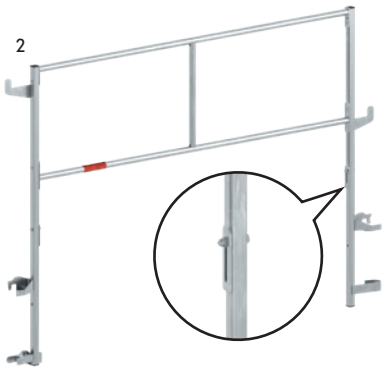

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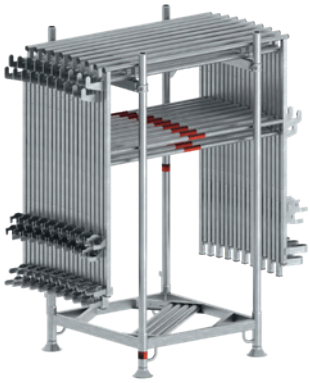
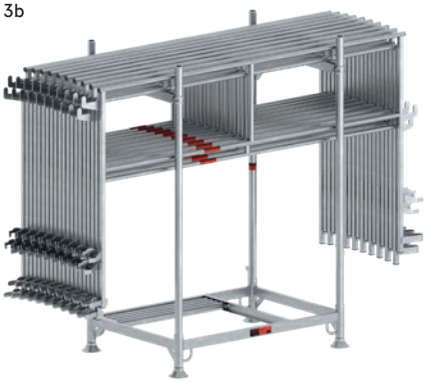


3b



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Learn more on YouTube
Layher I-Guardrail

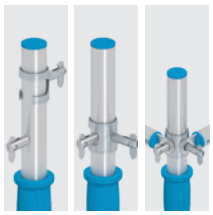
5

6

The **advanced guardrail post** 8 and the **assembly guardrails** 9 as well as the **advance end guardrail system** 7 ensure that assembly can be carried out in a secure position.

Extension lengths

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.

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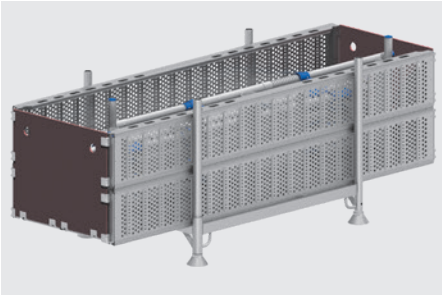
Stocking and transport

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.



11

Pos.		Description		Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**I-Guardrail with twist lock**		1.38 × 1.57	11.1	18	1721.157
				1.38 × 2.07	12.9	18	1721.207
				1.38 × 2.57	14.0	18	1721.257
				1.38 × 3.07	15.2	18	1721.307
2		**I-Guardrail, hinged** makes it possible to open a scaffolding bay after guardrail installation		1.38 × 1.57	12.4	18	1722.157
				1.38 × 2.07	14.1	18	1722.207
				1.38 × 2.57	15.2	18	1722.257
				1.38 × 3.07	16.8	18	1722.307
3		**I-Guardrail set with pallet**					
	a	20 I-Guardrails with twist lock, 1 cantilever, 1 tube pallet 85		1.90 × 1.57 × 0.97	296.8	1	1724.157
	b	20 I-Guardrails with twist lock, 1 cantilever, 1 tube pallet 125		1.90 × 2.07 × 0.97	299.4	1	1724.207
				1.90 × 2.57 × 0.97	332.9	1	1724.257
				1.90 × 3.07 × 0.97	374.7	1	1724.307
4		**Cantilever for tube pallet** contains 2 cantilevers and 2 support tubes		0.97 × 1.90	42.4	5	5106.147
5		**Tube pallet 125** steel, hot-dip galvanized, length of push-on tubes: 0.86 m, load 1500 kg		1.37 × 0.97	32.0	10	5105.125
6		**Tube pallet 85** steel, hot-dip galvanised, length of pallet posts: 0.86 m, load 1,500 kg, External dimensions 0.97 x 0.97 m		0.97 × 0.97	30.8	10	5105.085
7		**Advance end guardrail** aluminium for securing the scaffolding end, for bay width of of 0.73 m to 1.40 m		2.20 × 0.70	9.8	1	4031.000
8		**Advance guardrail post T19** aluminium for two advance guardrails (0.50 m and 1.00 m height), rapid guardrail assembly with a tilting pin			6.0	50	4031.003
9		**Assembly guardrail T19**					
		1.57 / 2.07 m, aluminium, telescopic		1.70	2.9	50	4030.207
		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	10	4031.005
11		**End plate for transport box** plywood, easy fixation by the u-claws of the scaffolding decks		0.72 × 0.60	2.4	120	5105.072

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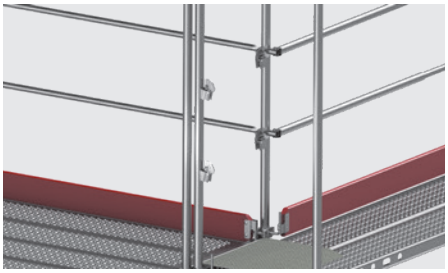
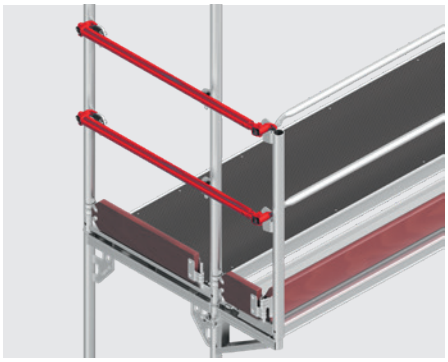
You can choose between **single** 1 and **double guard-rails in steel** 2a or **double guard-rails in aluminium** 2b**.** All guardrails are dropped into the guardrail wedge housings of the assembly frames and engaged on the wedge with a hammer blow to provide a positive and stable connection.

The **single end guardrails** 3 are wedged to the vertical tube with the half-coupler. The **double end guardrails** 4 werden mit der angeschweißten Halbkupplung am Vertikalrohr verschraubt.

The **guardrail, adjustable** 5 is suitable for inner and outer corners and for non-system bays. A pivoted guardrail connecting lug is provided.

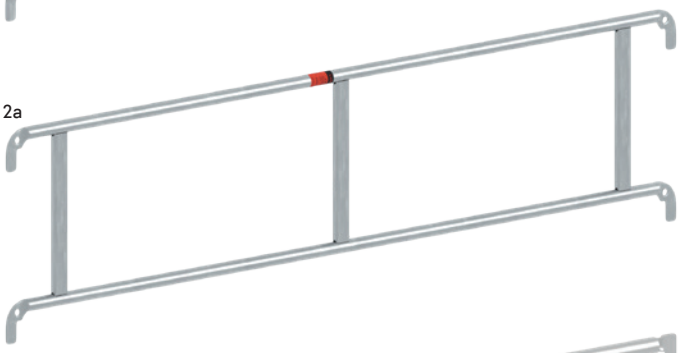


The telescoping function of the adjustable SpeedyScaf **end guardrail, adjustable** 6 permits flawless adjustment to bracket widths of 0.36 to 0.73 m with scaffolding widths of 0.73and 1.09 m, without any improvisation. Wooden toe board 0.36 m on request.

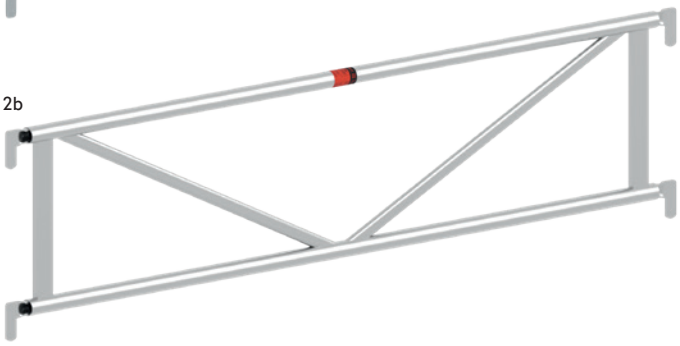


1

2a



2b



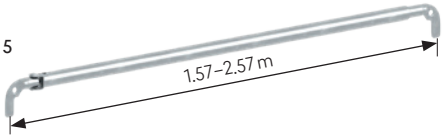
3a

3b

4a

4b

5



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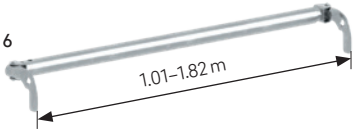

The **Guardrail box for Speedy frame** 7
Allows speedy fitting of internal guard-rails to the assembly frame LW. Guardrail boxes are attached simply by inserting and then turning them.

Speedy internal guardrail fixing device 8 / 9
For quick fixing of internal guardrails (also on older speedy assembly frames) by wedging the U-profile to the assembly frame standard.

Guardrail coupler 10
For connecting guardrails outside the standard dimensions, and also for fitting wall-side guardrails to older assembly frames.

7


8


9


10


Pos.		Description		WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	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**						
	a	steel			1.57 × 0.50	7.9	70	1728.157
					2.07 × 0.50	10.5	70	1728.207
					2.57 × 0.50	12.4	70	1728.257
					3.07 × 0.50	14.1	70	1728.307
					4.14 × 0.50	21.0	70	1728.414
	b	aluminium			1.57 × 0.50	3.5	50	1732.157
					2.07 × 0.50	4.6	50	1732.207
					2.57 × 0.50	5.8	50	1732.257
					3.07 × 0.50	6.7	50	1732.307
3	a	**Single end guardrail**			0.73	2.2	200	1725.073
	b	steel			1.09	3.5	200	1725.109
4	a	**Double end guardrail**		19	0.73	4.4	100	1728.719
		steel		22	0.73	4.4	100	1728.722
	b			19	1.09	5.6	50	1728.119
				22	1.09	5.6	50	1728.122
5		**Guardrail, adjustable** adjustment range 1.57 m – 2.57 m				6.9	50	1726.000
6		**End guardrail, adjustable** for consoles of 0.36 m to 0.73 m, with scaffolding widths of 0.73 m and 1.09 m			1.02	5.1	50	1726.001
7		**Guardrail box for Speedy frame**				0.5	25	1735.100
8		**Speedy internal guardrail fixing device without toe board pin**			1.00	3.1	160	1716.300
9		**Speedy internal guardrail fixing device with toe board pin**			1.00	3.3	160	1716.301
10		**Guardrail coupler with box**				1.3	25	1735.000

WS = wrench size LC = load class PU = packaging unit IND = products can be customized = new in the catalogue = available ex works
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Toe boards

Toe boards 1 are simply hooked into the toe board pins for the complete three-part side protection.

Individual toe boards

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

The **half-coupler with toe board pin** 2 is used to connect toe boards to inside corners or SpeedyScaf rolling towers.

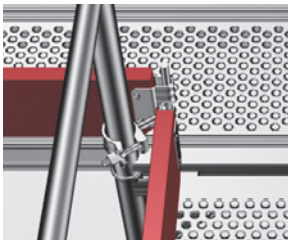
1a

1b

1c

1d

2



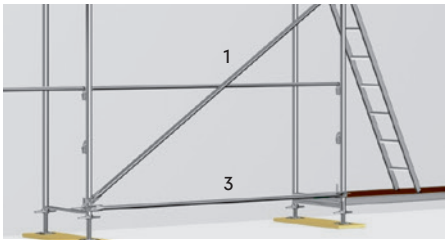
Pos.		Description		WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**Toe board**						
	a	wood, for longitudinal side	IND		0.73 × 0.15	1.6	140	1756.073
			IND		1.09 × 0.15	2.4	140	1756.109
			IND		1.57 × 0.15	3.1	140	1757.157
			IND		2.07 × 0.15	4.7	140	1757.207
			IND		2.57 × 0.15	5.6	140	1757.257
			IND		3.07 × 0.15	6.8	140	1757.307
			IND		4.14 × 0.15	10.3	140	1757.414
	b	aluminium, for longitudinal side			0.73 × 0.15	1.3	140	1762.073
					1.09 × 0.15	1.8	140	1762.109
					1.57 × 0.15	2.5	140	1762.157
					2.07 × 0.15	3.2	140	1762.207
					2.57 × 0.15	3.8	140	1762.257
					3.07 × 0.15	4.5	140	1762.307
	c	wood, for end side	IND		0.73 × 0.15	1.8	250	1757.073
			IND		1.09 × 0.15	2.3	140	1757.109
	d	aluminium for end side			0.73 × 0.15	1.2	250	1763.073
					1.09 × 0.15	1.7	140	1763.109
2		**Half-coupler with toe board pin**		19		1.0	25	4708.019
				22		1.0	25	4708.022

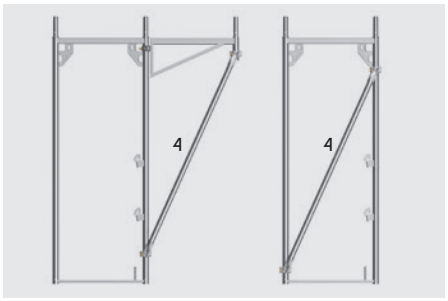
Bracing

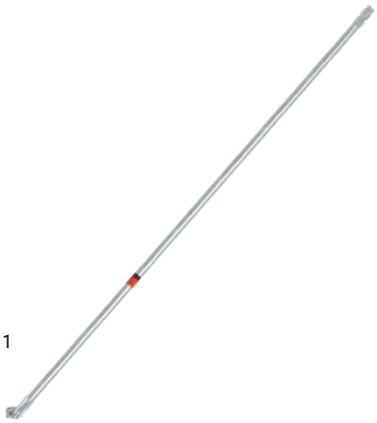
Diagonal braces 1 for vertically bracing the scaffolding parallel and vertical to the facade, tube diametre 42.4 mm.

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.

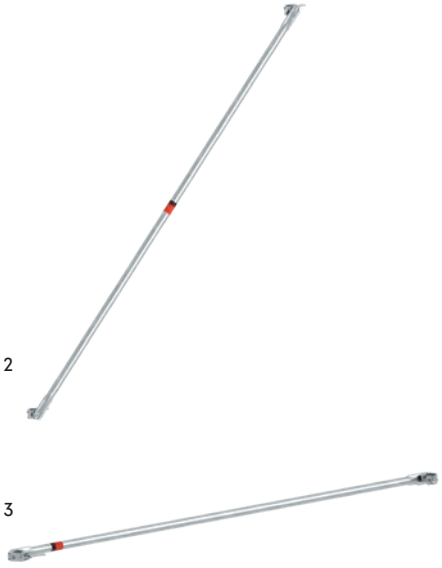
The **base ledger** 3 must be installed in the foot area of the diagonal bay.







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



Pos.	Description	WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**Diagonal brace with wedge half-coupler**					
	for 2.07 m bay length, 2.00 m bay width		2.80	7.0	50	1736.207
	for 2.57 m bay length, 2.00 m bay width		3.20	7.8	50	1736.257
	for 3.07 m bay length, 2.00 m bay width		3.60	8.3	50	1736.307
	for 2.57 m bay length, 1.50 m bay width		2.97	7.3	50	1737.257
2	**Diagonal brace with 2 half-couplers** for 1.57 m bay length, 2.00 m bay height		2.25	6.5	50	1736.157
3	**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
4	**Section brace with 2 half-couplers**					
	for supporting the bracket 0.73 m and in assembly frame 0.73 m and as diagonal brace in a 1.57 m x 1.00 m bay	19	1.80	6.0	50	1740.177
		22	1.80	6.0	50	1741.177
	for supporting the bracket 1.09 m and in assembly frame 1.09 m	19	1.95	6.4	50	1740.195
		22	1.95	6.4	50	1741.195

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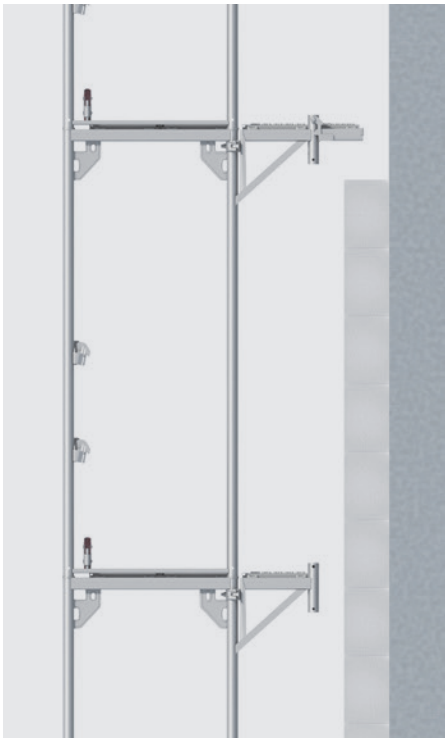
Brackets

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 / 4 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.



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2b

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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.

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The **console bracket, 0.50 m** 7 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** 8 may only be installed with a bracket support (section brace) (page 24).

The **Speedy intermediate frame** 9
If it is necessary to install internal guardrails when using the combi-bracket, the guard-rail support with integrated spigot at the bottom end (1746.100) can be used.

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Pos.	Description	WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**Console bracket, 0.22 m** without spigot, with integrated lift-off preventer, for 0.19 m wide scaffolding deck	19	0.22	2.8	100	1744.019
		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	19	0.36	3.3	125	1743.319
		22	0.36	3.3	125	1743.322
	with spigot, with integrated lift-off preventer, for 0.32 m wide scaffolding deck	19	0.36	3.5	125	1745.319
		22	0.36	3.5	125	1745.322
3	**Combi-bracket, 0.36 m** with connection tube D=48.3 mm	19	0.36	4.8	100	1746.319
		22	0.36	4.8	100	1746.322
4	**Combi-bracket, 0.50 m** with connection tube D=48.3 mm	19	0.5	5.5	100	1746.500
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, 0.50 m** with spigot	19	0.50	5.8	50	1744.519
		22	0.50	5.8	50	1744.522
8	**Console bracket, 0.73 m** with spigot	19	0.73	6.4	100	1744.719
		22	0.73	6.4	100	1744.722
9	**Speedy intermediate frame** with spigot		1.00	4.8	50	1746.100

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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.

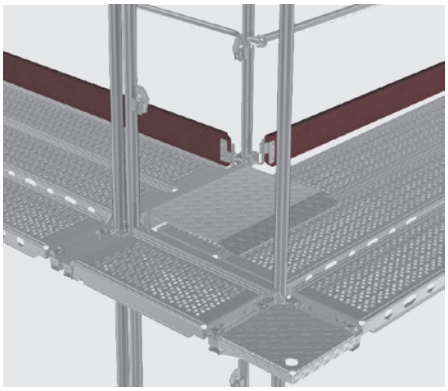
The **console bracket, 0.73 m, reinforced** 2 can be used in SpeedyScaf 70 in steel up to 3.07 m bay length (up to load class 3) and in brick guards. In this case, it is possible to dispense with the bracket support with SpeedyScaf 70 in steel.

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 installedwith a **bracket support (section brace)** 7.

The **eaves bracket, 1.00 m** 4 meets work-place 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 **Lift-off preventer** 5 is essential. The lift-off preventer is secured by means of locking pins.

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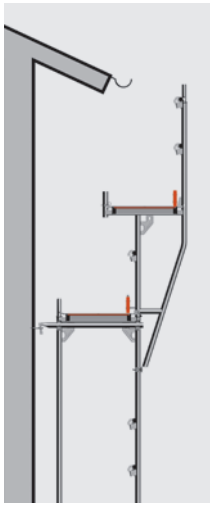

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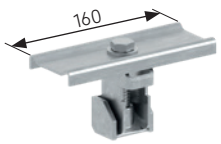

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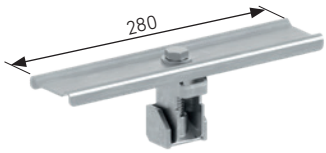
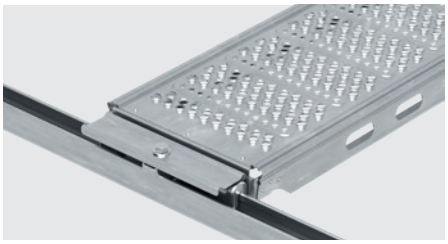
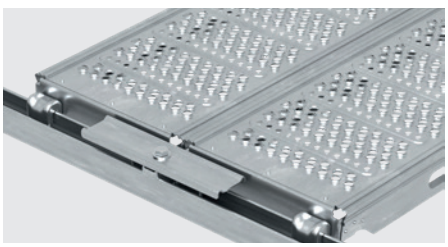
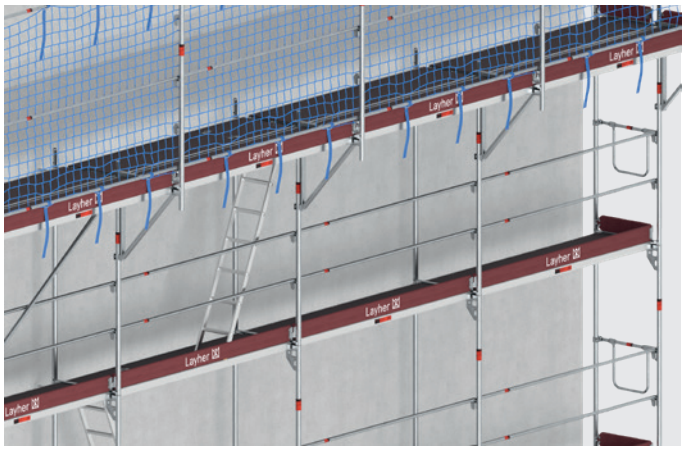


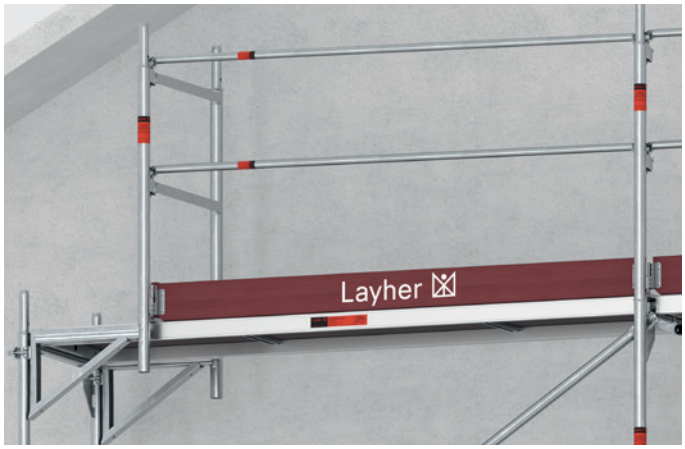


Securing of one deck



Securing of two decks





Pos.		Description		WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**Console bracket, 0.73 m, swivelling** with spigot		19	0.73	7.0	80	1744.073
2		**Console bracket, 0.73 m, reinforced** with spigot		19	0.73	8.8	40	1745.719
				22	0.73	8.8	40	1745.722
3		**Console bracket, 1.09 m** with spigot		19	1.09	9.6	30	1745.119
				22	1.09	9.6	30	1745.122
4		**Eaves bracket, 1.00 m** steel, hot-dip galvanised		19	1.00 × 0.73	14.8	50	1718.100
5		**Lift-off preventer**						
		for console bracket 0.36 m wide			0.36	0.9	250	1743.036
		for console bracket 0.50 m wide			0.50	1.3	250	1743.050
		for console bracket 0.73 m wide			0.73	1.5	500	1743.073
		for console bracket 1.09 m wide			1.09	2.3	50	1743.109
6		**U-console corner deck**	◈		0.19 × 0.19	2.1	100	3868.319
			◈		0.32 × 0.32	3.7	50	3868.332
7		**Section brace with 2 half-couplers**						
		for supporting the bracket 0.73 m and in assembly frame 0.73 m and as diagonal brace in a 1.57 m x 1.00 m bay		19	1.80	6.0	50	1740.177
				22	1.80	6.0	50	1741.177
		for supporting the bracket 1.09 m and in assembly frame 1.09 m		19	1.95	6.4	50	1740.195
				22	1.95	6.4	50	1741.195
8	a	**Universal U-Lift-off preventer**		19	0.16	0.7	250	2635.002
				22	0.16	0.7	250	2635.003
	b			19	0.28	1.0	250	2635.000
				22	0.28	1.0	250	2635.001

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Anchoring, stabilizer

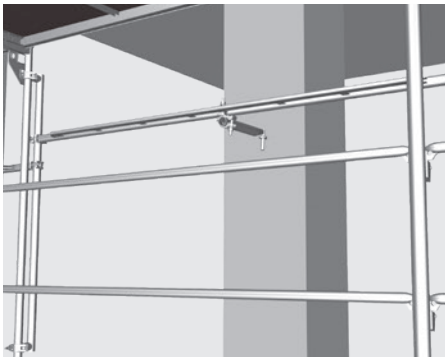
The scaffolding must be anchored verticaly to and parallel with the facade with resistance to both tensile and compressive stress. Layher offers speedy and safe solutions:

- 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.
- The **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.

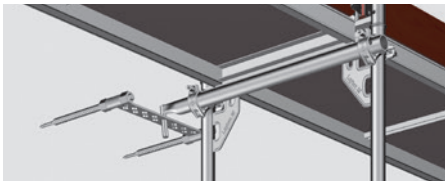
The anchoring forces in accordance with the approval or individual verification of structural strength can vary widely. The loading capacity of the anchoring, in particular of the anchoring foundation, must be carefully checked and verified (see instructions for assembly and use).

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.



1

SpeedyScaf wall tie with double coupler

2

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

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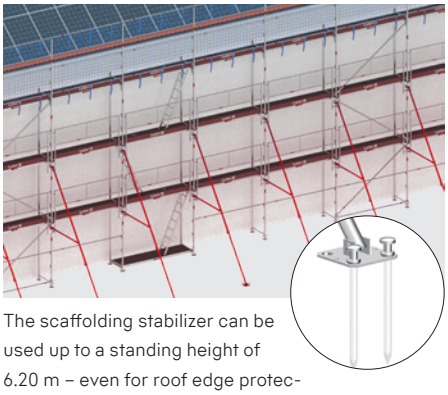

The scaffolding stabilizer can be used up to a standing height of 6.20 m – even for roof edge protection scaffolding, e.g. for installations of photovoltaic systems.

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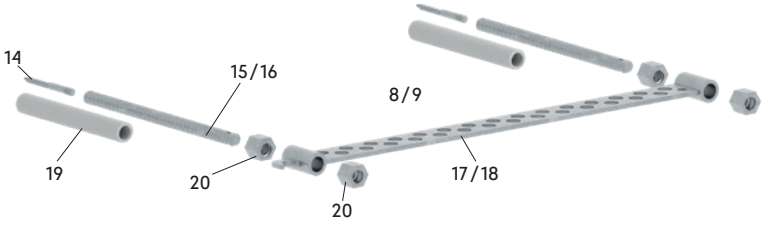


21

Pos.	Description	WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**SpeedyScaf wall tie**		0.69	2.8	100	1755.069
2	**Wall tie**		0.20	0.9	250	1754.020
			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**	19		8.9	25	1754.001
4	**Speedy Vario wall tie Ledger LW**	19	1.57	9.0	25	1754.157
		19	2.07	12.1	25	1754.207
		19	2.57	15.0	25	1754.257
		19	3.07	17.7	25	1754.307
5	**Speedy corner plate coupler**	19		0.9	25	1735.019
6	**Plastic wall insert** plastic drilled hole d=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, galvanised d=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 Ref. No. 4008		12 mm	1.0	100	4007.011
9	**Stabilizer, steel** 3.30 – 6.00 m		3.30	28.4	20	4032.600
10	**Peg solid** solid, d=25 mm		480 mm	1.8	50	4032.100
11	**Peg extraction device**			8.0	40	4032.200
12	**ETICS-tie 600 complete, ETICS-tie 800 complete** up to approx. 200 mm insulation, comprising items 4000.200, 4000.127 (2 pcs.), 4000.482 (2 pcs.) and 2671.132 (4 pcs.)		0.68	5.5	180	4000.600
13	**ETICS-tie 800 complete** up to approx. 300 mm insulation, comprising items 4000.300, 4000.127 (2 pcs.), 4000.482 (2 pcs.) and 2671.132 (4 pcs.)		0.88	6.9	120	4000.800
14	**ETICS hanger bolt** M12 x 125, strength class 4.8		125 mm	2.0	25	4000.127
15	**ETICS-tie rod 380, ETICS-tie rod 480** up to approx. 200 mm insulation		0.38	10.0	10	4000.122
16	**ETICS** up to approx. 300 mm insulation		0.48	13.0	10	4000.482
17	**ETICS anchoring transom 600**		0.60	2.5	100	4000.200
18	**ETICS anchoring transom 800**		0.80	3.3	100	4000.300
19	**Plastic pipe** 50 m			5.0	18	4000.050
20	**Locking nut** for diagonal rod, WS 36 x 30, galvanised	36		4.0	20	2671.132
21	**Open ended wrench WS 36**	36		0.5	1	2671.135

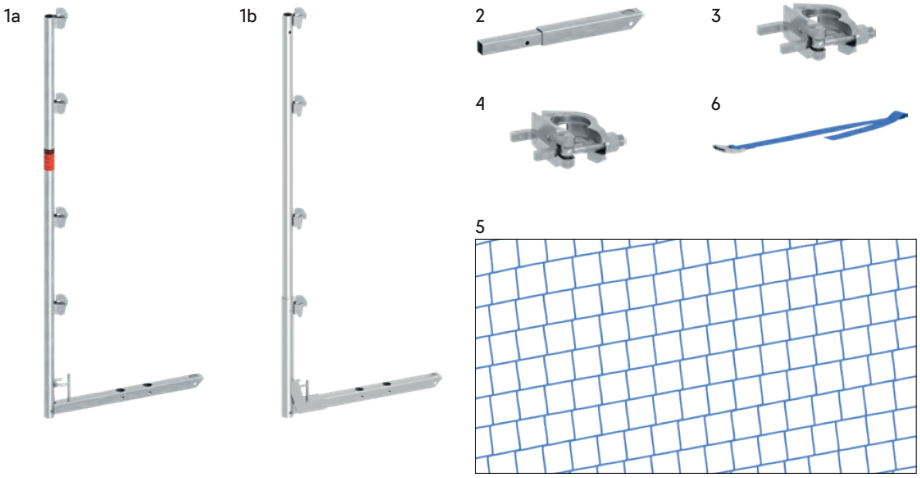
WS = wrench size LC = load class PU = packaging unit IND = products can be customized = new in the catalogue = available ex works
= delivery time on request = only available in this packaging unit = the approval process is not yet completed

Standard brick guard, pedestrian protection, guardrail closure

The heightened side protection specified for roofing work is swiftly assembled in SpeedyScaf scaffolding: at the top level, attach the **Roof edge protection 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!

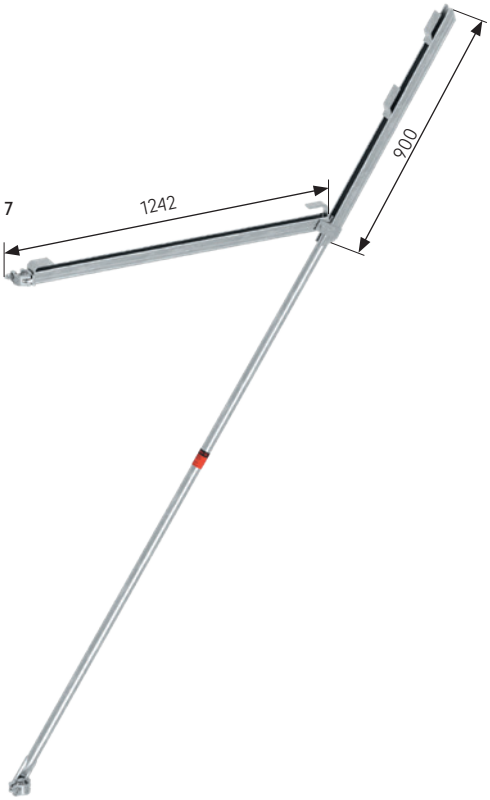
Speedy assembly frames LW are used to close off roofer's guard system levels at the ends.

The **Protection nets** 5 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.

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.



The **Speedy guardrail support** 8 / 9 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** 10 / 11 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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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.

Pos.		Description	WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**Roof edge protection support, 0.36 / 0.50 / 0.73 m**					
	a	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 × 0.73	12.1	20	1748.003
	b	aluminium, 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 × 0.73	7.1	20	1748.005
2		**Adapter for roof edge protection support** for use with bay width of 1.09 m		0.68	2.3	200	1748.002
3		**Double-pin coupler SGS** for roof edge protection support, for combining the new and old variants	19		0.8	25	4702.219
			22		0.8	25	4702.222
4		**Double-pin coupler SR** for brick guard support, for combining the new and old variants	19		0.8	25	4702.319
			22		0.8	25	4702.322
5		**Protection net** with quick strap fastener, mesh width 100 mm, blue, made of PPM 4.5 mm, knotless, as per DIN EN 1263-1, type U		10.00 × 2.00	5.9	40	6232.002
6		**Quick strap fastener**		0.50	1.5	50	6235.002
7		**Fan support**		2.10	18.9	20	1773.019
8		**Speedy guardrail support, 0.73 m**					
		steel		1.00 × 0.73	6.5	50	1773.001
		aluminium without spigot		1.00 × 0.73	2.7	50	1769.073
9		**Speedy guardrail support, 1.09 m** steel		1.00 × 1.09	8.5	50	1782.001
10		**Speedy top end guardrail support, 0.73 m**					
		steel		1.00 × 0.73	13.3	50	1773.002
		Aluminium, ohne Rohrverbinder		1.00 × 0.73	4.6	25	1770.073
11		**Speedy top end guardrail support, 1.09 m** steel		1.00 × 1.09	14.9	50	1782.002
12		**Speedy intermediate frame**					
		single with guardrail wedge housings, steel		1.00	5.5	100	1716.000
		single with guardrail wedge housings, steel		1.00	2.4	100	1768.000

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Stair access

The **U-platform stair, aluminium** 1–3**.** 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-/L-distance coupler** 7 / 8**.** 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** 9 is used.

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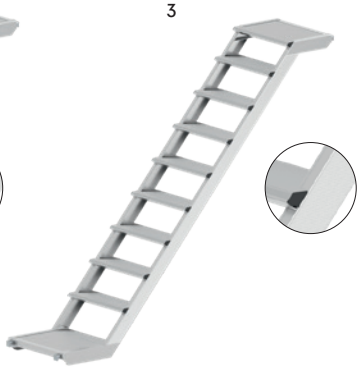

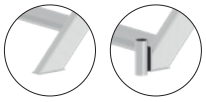

Base point A

Base point B

A special **U-initial ledger** 5a / b is available for the lowest staircase level. 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.

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5a / b

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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.

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.

To avoid the risk of unwanted access to the scaffolding by using the stairs, Layher developed the **door lockable** 14**.**

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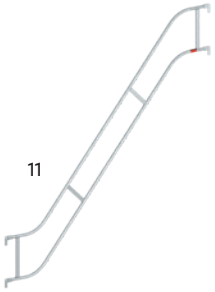

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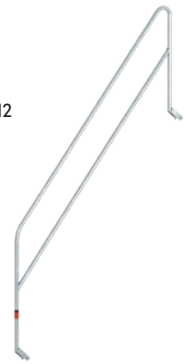

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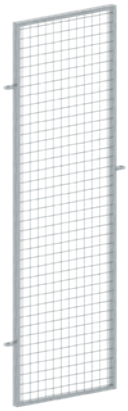

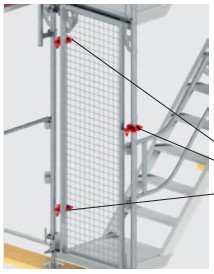

15

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.

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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, d=12 x 55 mm and safety clip 2.8 mm (2 per joint). They are already included in the scope of delivery.

Pos.		Description	WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1		**U-Starting stair, aluminium, stair class A acc. to EN 12811-1**					
		0.64 m wide, 2.5 kN/m², 1.00 m high, step height 0.20 m, base point A		1.00 × 0.64	11.5	10	1753.003
		0.94 m wide, 2.0 kN/m², 1.00 m high, step height 0.20 m, base point A		1.00 × 0.94	16.8	10	1753.005
		0.64 m wide, 2.5 kN/m², 1.20 m high, step height 0.20 m, base point B		1.20 × 0.64	13.5	10	1753.002
		0.94 m wide, 2.0 kN/m², 1.20 m high, step height 0.20 m, base point B		1.20 × 0.94	17.6	10	1753.006
		0.64 m wide, 2.5 kN/m², 1.70 m high, step height 0.19 m, base point B		1.70 × 0.64	18.3	10	1753.004
		0.64 m wide, 2.5 kN/m², 2.00 m high, step height 0.20 m, base point A		2.00 × 0.64	20.4	10	1753.007
2		**U-Platform stair, aluminium, stair class A acc. to EN 12811-1**					
		0.64 m wide, 2.5 kN/m², 2.00 m high, for 2.57 m bay length, step height 0.20 m		2.57 × 0.64	21.9	10	1753.257
		0.64 m wide, 2.5 kN/m², 2.00 m high, for 3.07 m bay length, step height 0.20 m		3.07 × 0.64	26.3	10	1753.307
		0.64 m wide, 2.5 kN/m², 1.50 m high, for 2.57 m bay length, step height 0.18 m		2.57 × 0.64	21.5	10	1753.251
		0.94 m wide, 2.0 kN/m², 2.00 m high, for 3.07 m bay length, step height 0.20 m		3.07 × 0.94	40.1	10	1753.308
		0.94 m wide, 2.0 kN/m², 2.00 m high, for 2.57 m bay length, step height 0.20 m		2.57 × 0.94	33.7	10	1753.258
		0.94 m wide, 2.0 kN/m², 1.50 m high, for 2.57 m bay length, step height 0.18 m		2.57 × 0.94	36.6	10	1753.252
3		**U-Comfort stair, aluminium, stair class B acc. to EN 12811-1**					
		0.64 m wide, 2.5 kN/m², 2.00 m high, for 2.57 m bay length, step height 0.22 m		2.57 × 0.64	27.0	10	1755.257
		0.64 m wide, 2.5 kN/m², 2.00 m high, for 3.07 m bay length, step height 0.22 m		3.07 × 0.64	32.0	10	1755.307
		0.94 m wide, 2.0 kN/m², 2.00 m high, for 2.57 m bay length, step height 0.22 m		2.57 × 0.94	37.0	10	1755.258
4		**Starter U-transom**		0.73	3.8	42	1751.073
		steel, galvanised		1.09	5.1	42	1751.109
5		**U-initial ledger**					
	a	with distance for distance coupler		0.73	5.4	50	1752.073
	b	with distance for swivel coupler		0.73	5.3	50	1752.081
6		**Stair-guardrail post** for stairwell at the top level	19	1.10	5.1	50	1752.006
7		**U-distance coupler** for connecting stairtower to the work scaffolding	19		2.0	250	1752.019
			22		2.0	250	1752.022
8		**L-distance coupler** for connecting stairtower to the work scaffolding with the use of I-Guardrails	19		1.9	250	1752.119
			22		1.9	250	1752.122
9		**Platform console** 0.50 m		0.50 × 0.50	8.6	35	1752.500
10		**Stairwell guardrail**	19		6.2	40	1752.004
			22		6.2	40	1752.014
11		**Stair guardrail**					
		for 2.57 m bay length, 2.00 m bay width		2.57 × 2.00	16.1	30	1752.257
		for 3.07 m bay length, 2.00 m bay width		3.07 × 2.00	17.6	30	1752.307
		for 2.57 m bay length, 1.50 m bay width		2.57 × 1.50	14.6	30	1752.003
12		**Internal stairway guardrail T12**					
		for 2.57 x 2.00 m bay and 3.07 x 2.00 m bay	19	2.25	13.5	20	1752.007
			22	2.25	13.5	20	1752.008
		for 2.57 x 1.50 m bay	19	2.00	11.5	20	1752.012
		1.00 m high	19	0.90	7.8	20	1752.011
13		**Initial stair guardrail**	19	0.90 × 1.70	9.9	20	1752.009
			22	0.90 × 1.70	9.9	20	1752.013
14		**Door lockable**		1.96 × 0.77	15.0	1	4780.732
15		**Half coupler with hanger for door**	19		1.2	25	4710.019
16		**Stair foot section**		0.60	6.8	15	2639.060
				0.95	7.8	50	2639.095
17		**Stair middle section**		0.60	9.2	15	2638.060
		spigot preassembled with bolts and safety clips		0.95	10.2	50	2638.095
18		**U-stair head section, U-stair head section**		0.60	10.7	15	2637.060
		spigot preassembled with bolts and safety clips		0.95	11.7	50	2637.095

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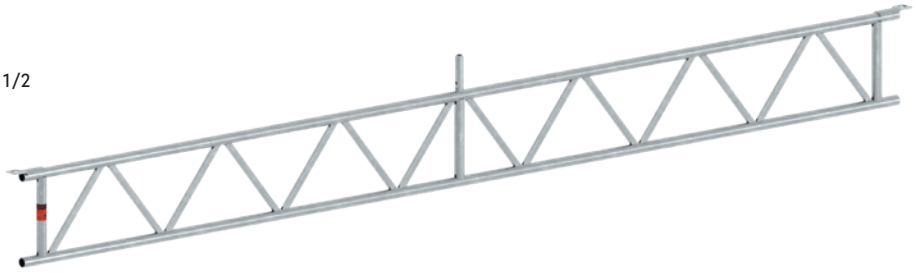
System lattice beam

SpeedyScaf lattice beam LW 1/2
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** 3 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.

1/2



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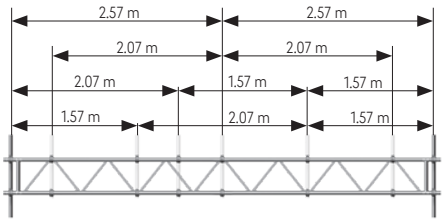
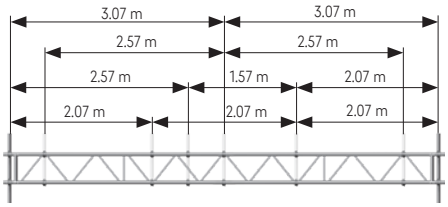
Use of the lattice beam coupler

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

4

For accommodating scaffolding decks when bridging with SpeedyScaf lattice beams

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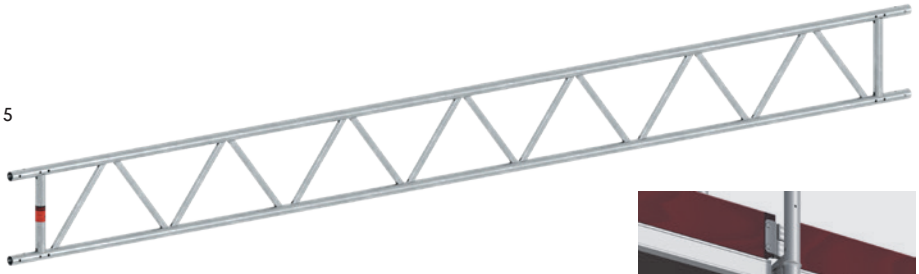

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When placed on non-system lattice beams for bridging, it is also possible to continue construction in the standard system dimensions with 0.73 m wide assembly frames.

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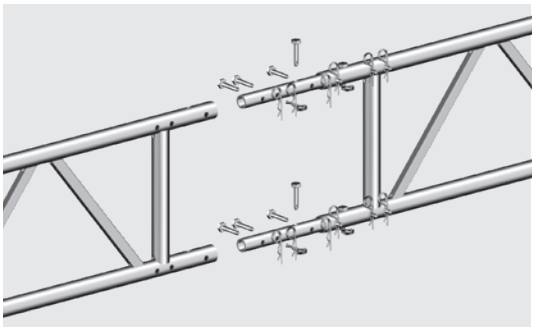

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Pos.	Description	WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**SpeedyScaf lattice beam LW, steel**					
	5.14 m (2 x 2.57 m bay)		5,14 × 0,45	46,4	20	1781.514
	6.14 m (2 x 3.07 m bay)		6,14 × 0,45	53,9	20	1781.614
	7.71 m (2 x 2.57 m bay)		7,71 × 0,45	67,2	20	1781.771
2	**SpeedyScaf lattice beam, aluminium**					
	5.14 m (2 x 2.57 m bay)		5,14 × 0,45	22,5	20	1767.514
	6.14 m (2 x 3.07 m bay)		6,14 × 0,45	26,4	20	1767.614
3	**Lattice beam coupler** for lattice beam and tubes d=48.3 mm	19		1,6	25	4720.019
		22		1,6	25	4720.022
4	**U-ledger for lattice beam** only in conjunction with Ref. No. 2656.000		0,73	3,1	42	4923.073
			1,09	7,8	42	4923.109
5	**Steel system lattice beam 450 LW, 45 cm high**					
	2.25 m long		2,25 × 0,45	21,8	40	4925.225
	3.25 m long, with type testing		3,25 × 0,45	30,9	40	4925.325
	4.25 m long, with type testing		4,25 × 0,45	40,0	40	4925.425
	5.32 m long, with type testing		5,32 × 0,45	49,5	40	4925.532
	6.32 m long, with type testing		6,32 × 0,45	59,0	40	4925.632
6	**Intermediate transom** 0.73 m incl. 4 bolts, for system lattice beams			6,5	50	4924.073
7	**Bolt 14 x 77 mm**	22		2,2	20	5906.079
8	**Securing pin d=2.8 mm**			0,5	50	4905.002
9	**Lattice beam connector T16** d=38 mm for straight extension of lattice beam 450 of steel and aluminium, 750 sluminium and rails T19		0,54	2,4	350	4925.000
10	**Special bolt M12 x 60 mm** with nut	19		4,0	50	4905.062

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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 halfcouplers** 3 are available for fitting at the ends.

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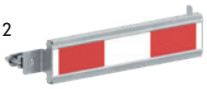

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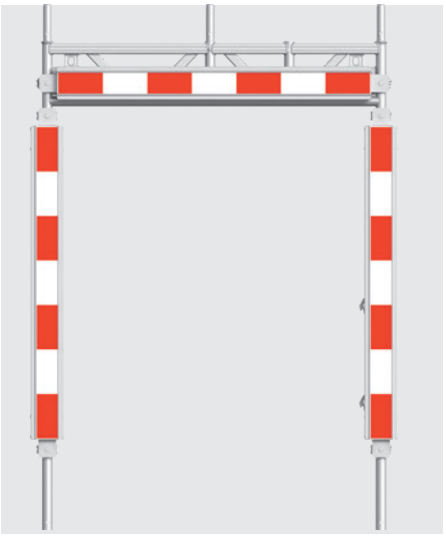


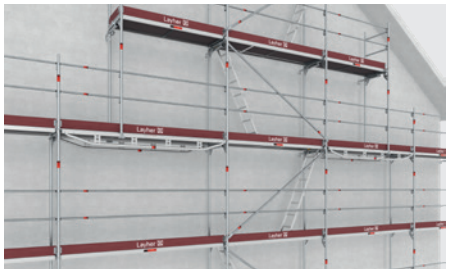
Pos.	Description	WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**Longitudinal barrier**		0.73	2.0	70	1787.073
			1.09	2.7	70	1787.109
			1.57	3.6	70	1787.157
			2.07	4.6	70	1787.207
			2.57	5.6	70	1787.257
			3.07	6.5	70	1787.307
2	**Transverse barrier 0.73 m**	19	0.73	2.5	50	1788.070
3	**Passageway marking 1.50 m with rotating half-couplers**	19	1.50	5.6	50	4000.150

Accessories

The **SpeedyScaf Intermediate transom** 1/2 is used for constructing intermediate levels.

The **SpeedyScaf ledger** 3 can be mounted between two frames to create a continuous decking surface.

For large roof overhangs, use the installation of **aluminium bridging ledgers** 4. **Spigots** 5 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.



The mobile solution for birdcage, bridge or suspended scaffolding is often the best alternative in terms of technical suitability, scheduling and price. If scaffolding is made mobile using **castors** 6, DIN 4420-3 applies. For these rolling towers, verification of structural strength is required.

1/2

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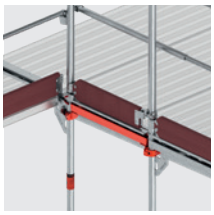

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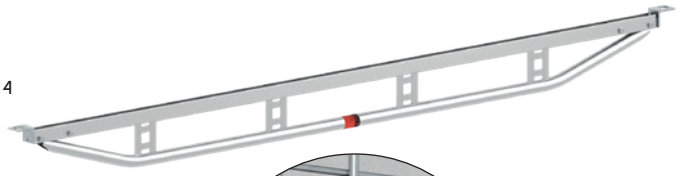

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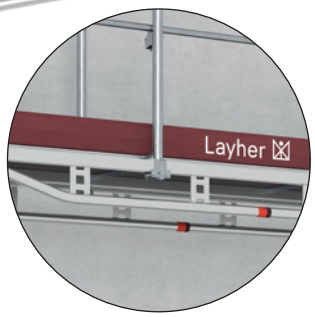

The use is only possible with 0.61 m wide scaffolding decks

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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.

Pos.	Description	WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**SpeedyScaf Intermediate transom, 0.73 m** with half-coupler, for intermediate layers	19	0.73	3.9	100	1742.719
		22	0.73	3.9	100	1742.722
2	**SpeedyScaf intermediate transom, 1.09 m** with half-coupler, for intermediate layers	19	1.09	5.1	100	1742.119
		22	1.09	5.1	100	1742.122
3	**SpeedyScaf ledger, 0.73 m**	19	0.73	3.6	100	1752.732
4	**Aluminium bridging ledger, 2.57 m** for mounting on spigot, for reduction of bay length		2.57	8.5	50	1775.257
			3.07	9.7	50	1775.307
5	**Spigot** incl. 2 bolts, for further construction on aluminium bridging ledger 1775		0.2	1.8	250	1775.000
6	**Castor 700** plastic wheel, d=200 mm. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 7.0 kN (≈ 700 kg)		D=0.20	6.8	70	1359.200
7	**Mobile beam with 2 spigots, adjustable** steel rectangular tube, hot-dip-galvanized. For widening the base for special mobile assemblies. System assemblies only possible in conjunction with Ref. No. 1337.000		2.30 – 3.20	42.6	20	1338.320
8	**Spigot, adjustable** adjustable, steel, hot-dip galvanised. System assemblies only possible in conjunction with Ref. No. 1338.320		0.46	2.1	200	1337.000

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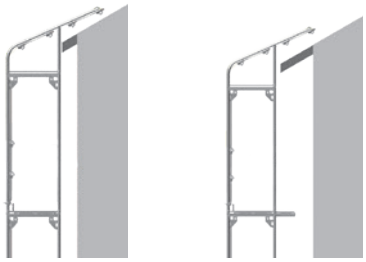
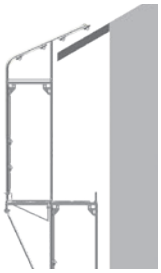
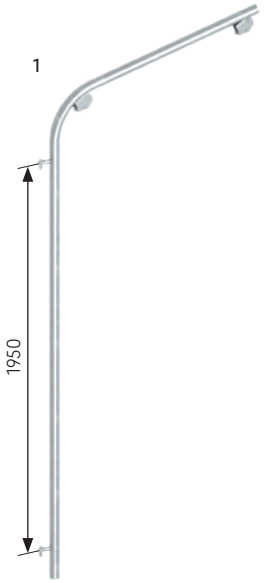
Weather protection

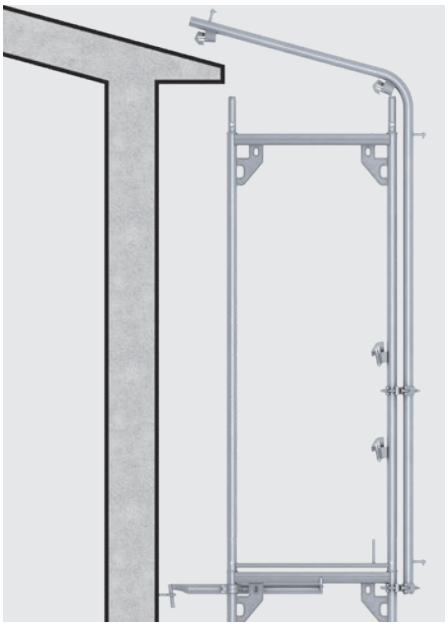
The **weather protection support** 1 is used for tarpaulin coverings against exposure to the weather at the top level of SpeedyScaf structures. At the top scaffolding level, all assembly frames to which the weather protection support is attached must be anchored to the building for resistance to tension 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 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.

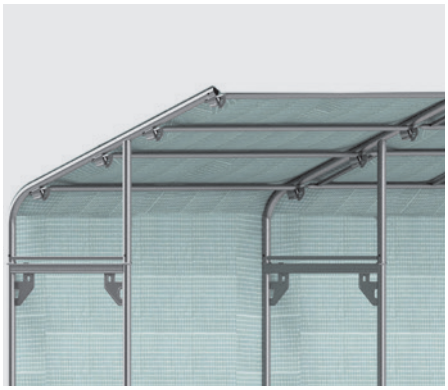




Uni weather protection bracket 2
Using inner brackets, roof projections of various sizes can be covered to ensure protection from the weather during facade work.





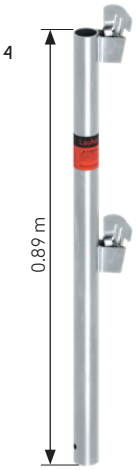


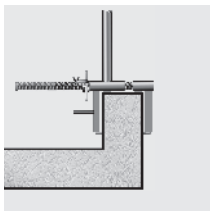
Pos.	Description	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**Weather protection support** on the outside, tilting pins for suspension of the tarpaulin, at the top there are two guardrail wedge housings for bracing using guardrails	2.00	13.2	20	1746.000
2	**Uni weather protection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

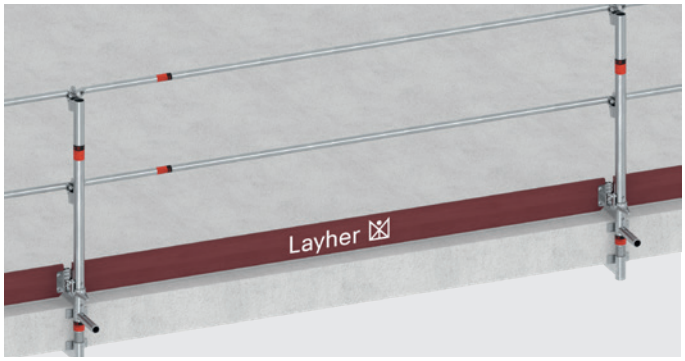
Railing clamp

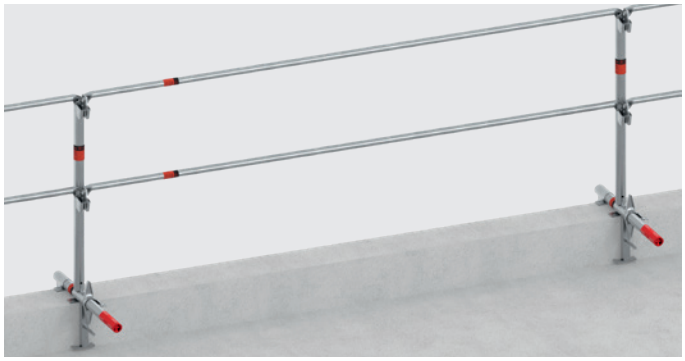
According to German regulations BGV C22 relating to construction work, a fall protection system must be provided for work areas and walkways on roofs and intermediate levels where the height of the fall is more than 2.00 m. The **Railing clamp** 1 satisfies these requirements for securing concrete floor 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** 2 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.









Pos.	Description	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**Railing clamp** application height max. 100 m above ground; temporary side protection system according to DIN EN 13374 Class A	0.58	7.0	40	4015.100
2	**Guardrail standard 0.89 m**	0.89	4.7	50	4015.101

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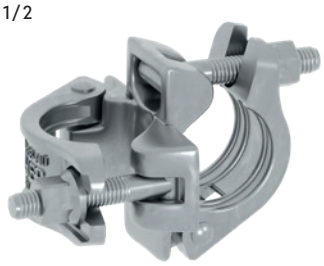
Accessories

Scaffolding couplers 1–4 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.

The **rapid couplers** 2 / 4 are used in the same way as the classic couplings, but are installed up to 10% faster due to their larger thread pitch. Couplers with these coarse thread screws are approved by the building authorities in accordance with Z-8.331-947.

Standardised **scaffolding tubes** 5 in steel (hot-dip galvanized) or aluminium permit, in conjunction with scaffolding couplers, special assembly and extension outside the regular version.

1 / 2



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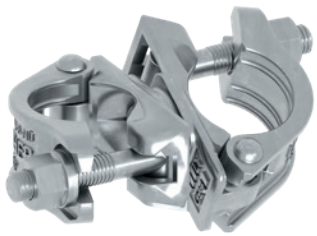

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Pos.	Description	WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**Double coupler** steel, galvanised	19		1.3	450	4700.019
		22		1.3	450	4700.022
2	**Rapid double coupler** description as 4700.xxx, acc. to approval Z-8.331-947	19		1.3	450	4777.019
		22		1.3	450	4777.022
3	**Swivel coupler** steel, galvanised	19		1.5	450	4702.019
		22		1.5	450	4702.022
4	**Rapid swivel coupler** description as 4702.xxx, acc. to approval Z-8.331-947	19		1.5	450	4778.019
		22		1.5	450	4778.022
5	**Scaffolding tube** steel, hot-dip galvanised Scaffolding tubes D=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

Tools

The three-piece **scaffolding identification pad** 3 with carbon copy developed to tag work scaffolding. The rightpart 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** 5 made of transparent plastic for weather protection.

The **scabbling pick, 600 g reinforced** 4 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.

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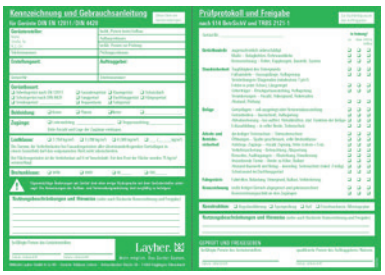

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5

Pos.	Description	WS [mm]	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**Ratchet wrench** for WS 19 and 22 mm, with reversing lever for right-hand and left-hand operation, mandrel for ring bolts	19 & 22	0,32	0,6	1	4747.000
2	**Magnetic spirit level**			0,4	1	4006.666
3	**Scaffolding identification pad** pad with 50 + 50 pieces (Original + Carbon) with centre perforation and foldover as carbon-block		DIN A4	0,5	1	6344.500
4	**Scabbling pick, 600 g reinforced**		0,32	0,8	1	4421.051
5	**See-through pocket** for Ref. No. 6344.400, 10 pcs. with integrated prohibition sign		0,30 × 0,17	0,3	10	6344.011

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Fall protection

The **PPE safety harness** 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

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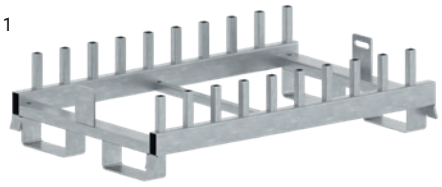
Pos.	Description	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**PPE safety harness** with extension 0.50 m conforms to EN 361		1.8	1	5969.161
2	**PPE flex safety rope** 2.00 m with fall arrester and snap hook FS 90, as per EN 354 / EN 355, self-shortening to reduce tripping hazards	2.00	1.1	20	5969.501
3	**PPE scaffolding construction set** backpack, safety harness and flex-safety rope 2.00 m (use exclusively for scaffolding construction)		3.5	50	5969.171

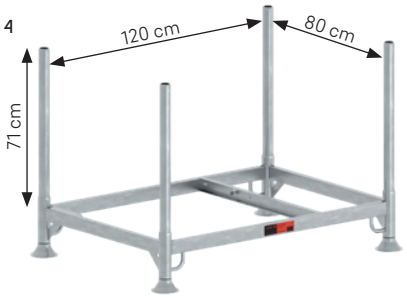
Scaffolding pallets

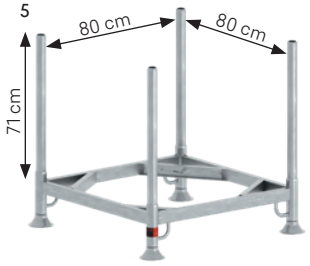
Tube pallets 4 / 5 in square shape (85) 5 or in rectangular shape (125) 4. The pallets are open on all sides. Tubes, standards, guard-rails, diagonal braces, toe boards are transported and stored with this pallet. The empty pallets, stored permanently in the base frame using pallet posts, can be transported 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.

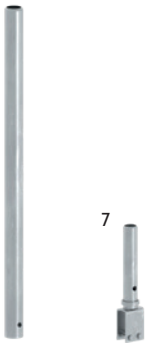
The **Modular pallet and skeleton box** 8 / 9
The palette or the skeleton box can be stacked with Euro pallets. Crane eyelets at top; an opening allows stacked material to be removed even if several pallets are stacked one above the other. The integrated timber base plate is 30 mm thick and it's nailed onto 50 x 50 mm square timbers.

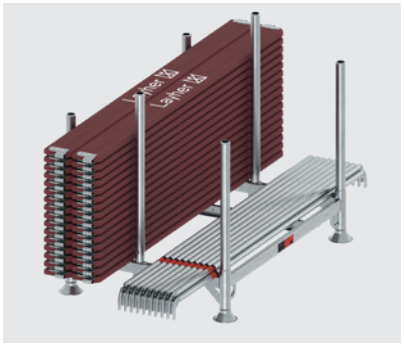
More pallets you'll find in the catalogue System-free Accessories.











Pos.	Description	Dimensions L / H × W [m]	Weight approx. [kg]	PU [pc.]	Ref. No.
1	**Assembly frame pin pallet**				
	0.73 m	1.20 × 0.77	34.0	10	5113.073
	1.09 m	1.20 × 1.13	36.2	10	5113.109
2	**Retaining rod** 1 retaining rod necessary per pallet	1.20	2.1	500	5113.120
3	**Retaining bar**	1.12	3.1	500	5110.112
4	**Tube pallet 125** steel, hot-dip galvanized, length of push-on tubes: 0.86 m, load 1500 kg	1.37 × 0.97	32.0	10	5105.125
5	**Tube pallet 85** steel, hot-dip galvanised, length of pallet posts: 0.86 m, load 1,500 kg, external dimensions 0.97 x 0.97 m	0.97 × 0.97	30.8	10	5105.085
6	**Plug tubes 860** for tube pallet 125 and 85	0.86	2.6	50	6494.751
7	**Spigot for tube pallet** to create partitions with the plug tube 860 for stocking of different components	0.31 × 0.06	1.5	200	5105.000
8	**Modular skeleton box with timber base plate**	1.20 × 0.80	85.8		5113.002
9	**Euro modular pallet H=61 cm**	1.20 × 0.80	45.0	5	7042.004

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