

TEMPORARY ACCESSES



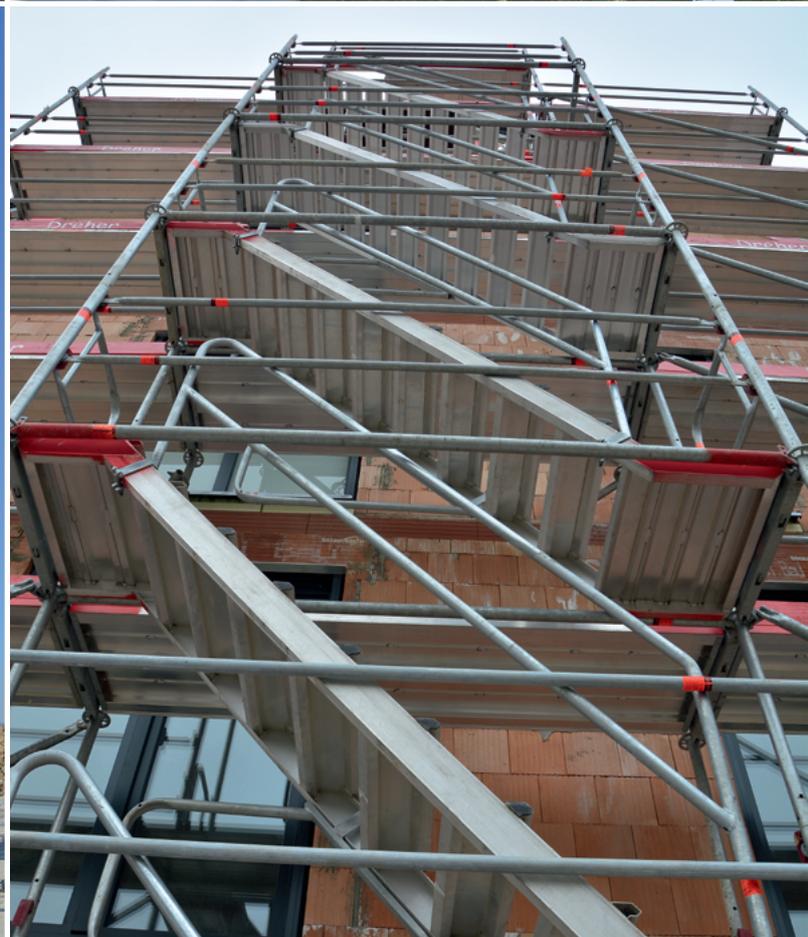
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Quality management
certified as per
DIN EN ISO 9001

From a simple
internal access inside
scaffolding, to
stairtowers
in public areas and
places of assembly,
plus a vast variety of
special solutions



TEMPORARY ACCESSES



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All dimensions and weights are guideline values. Subject to technical modification.
Some of the scaffolding structures shown may still be undergoing assembly.
Steel components are galvanized in accordance with EN ISO 4042 and EN 12811-2.

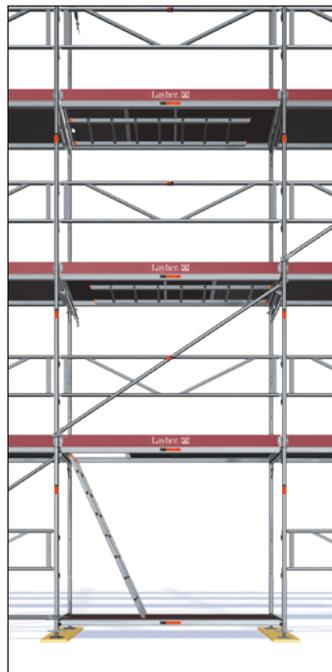
Please request the specific instructions for assembly and use when ordering.
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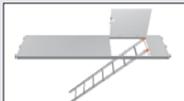
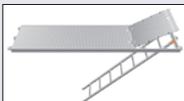
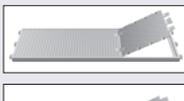
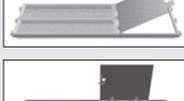


INTERNAL ACCESS WITH ACCESS LADDERS IN HATCH-TYPE ACCESS DECKS

THE LOW-COST VARIANT FOR UPWARD ACCESS IN SCAFFOLDING



Hatch-type access decks – with the same function as scaffolding decks – comprise work deck, bracing element and access hatch inside the scaffolding structure, allowing material to be transported to a limited extent. Depending on requirements and conditions of use, you can select Layher access decks in steel or aluminium versions or in an aluminium / plywood combination. The ladders are available either for suspension or already integrated into the decking, the integrated ladder enabling faster assembly while being proof against theft. During work on the access deck, the ladder is – if loose – removed, or – if integrated – simply folded up. A hatch closes the access opening.

	U-robust access deck, with integrated ladder 3838.257 – 307		U-Alu-N access deck, with integrated ladder, hatch off-centre 3875.257 – 307	
	U-aluminium access deck, with integrated ladder 3852.257 – 307		U-aluminium access deck 3851.157 – 307	
	U-robust access deck, with integrated ladder, hatch off-centre 3859.257 – 307		U-steel access deck, hatch made of aluminium 3813.207 – 257	
	U-Xtra-N access deck, with integrated ladder 3869.257 – 307		U-robust access deck, hatch off-centre 3858.157 – 307	
			U-aluminium access deck, hatch off-centre 3875.207	

Access ladder T19
4009.007

MODULAR STAIR



With the Layher modular stair, accesses can be constructed that always fit and match the system. Any intermediate dimension with a pitch of 20 cm can be achieved simply by fitting together the individual stairway parts. The top element is suspended in the U-section of either the assembly frame or the Allround ledger. At the bottom, the end section with scaffolding spindles is used for precise levelling.

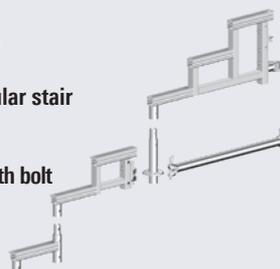
Height differences from 0.60 m to 1.60 m can be bridged; permissible load capacity of stair: 3.0 kN/m², individual weights of stair parts less than 11 kg.

	Stair head section 2637.060 – 095		Stair foot section 2639.060 – 095		Stair middle section 2638.060 – 095
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ALLROUND MODULAR STAIR



Adjustment to the ground, with access to the first scaffolding level, can be achieved with the Allround modular stair. The construction kit comprises: stringer for modular stair with 1, 2 and 3 steps, base collar for modular stair 0.26 m and O-ledger LW 0.90 m. 0.32 m-wide standard scaffolding decks in the selected length are installed as steps. The steps are fastened using lift-off preventers.

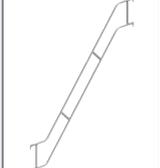
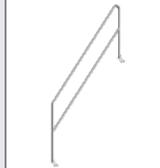
	Stringer for modular stair 5407.001 – 003	
	Base collar 0.26 m 5407.021	
	Guardrail for modular stair 5407.011 – 013	
	Lift-off preventer with bolt 5407.030	

EXTERNAL PLATFORM STAIR ACCESS IN SPEEDYSCAF

The Layher platform stair offers more safety, convenience and speed during access. Material transport is facilitated by the additional use of the work decks as walkways. Stair accesses are required by TRBS 2121-1 rules when the access height exceeds 5 metres.

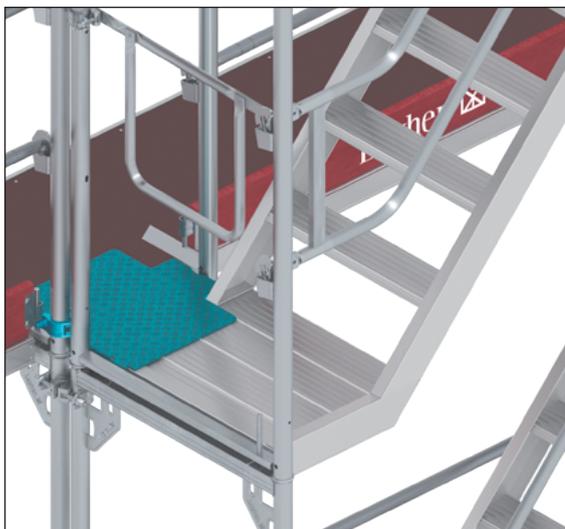
The external platform staitower is contained, in its regular version (up to 24 m) as a scaffolding access, in the SpeedyScaf approvals, meaning that no further verification is needed for the required load capacity of 1.0 kN/m². Permissible load capacity of platform stair: 2.5 kN/m². A 0.19 m-wide standard deck (steel or Stalu) is used between the main deck and the stair platform. It is mounted in the distance coupler with a claw.



	U-platform stair, aluminium 1753.257–307 U-easy-access stair 1755.257–307		U-start ledger for platform stair, with space for distance coupler 1752.073
	Stair guardrail 1752.257–307		Internal stair guardrail 1752.007 WS19 1752.008 WS22
	Continuous stair guardrail 1752.004 / 014		Stair guardrail post, 1.10 m 1752.006
	U-distance coupler 1752.019 / 022		

RETROFITTING OF AN EXTERNAL PLATFORM STAIR IN SPEEDYSCAF

Despite careful planning, it might still be necessary due to site conditions for a platform stair access to be subsequently attached to the scaffolding, for example when demanded by the local building inspectors. Retrofitting is then possible using swivel couplers. The grooved plate of the platform bracket closes the deck surface, and the integrated spigot permits connection of a guardrail post – the shortening of the bay length of 1 x 0.50 m or 2 x 0.50 m allows a standard guardrail to be fitted to the guardrail post.

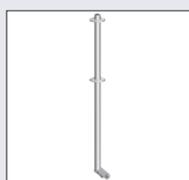


	Platform bracket 0.5 m 1752.500
	U-start ledger for platform stair, with space for swivel coupler 0.73 m 1752.081

EXTERNAL PLATFORM STAIR ACCESS IN ALLROUND SCAFFOLDING



Permissible load capacity of platform stair: 2.5 kN/m²



Stair guardrail post
2638.400

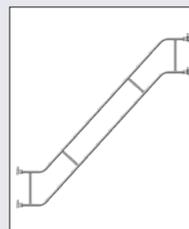


U-platform stair, aluminium
1753.257 – 307

U-easy-access stair
1755.257 – 307



Allround O-ledge, wedge coupler and half-coupler
2638.401 – 402



Stair guardrail for Allround Scaffolding, with U-prongs
2638.257 – 307
with swivelling wedge heads
2638.258 – 308



Continuous stair guardrail
WS 19/20
1752.004 – 014



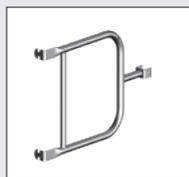
Allround O-ledge
2618.073



Allround stair guardrail holder
2637.000

EXTERNAL PLATFORM STAIR ACCESS IN AGS SYSTEM

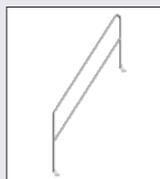
The modular access system for facades AGS also allows assembly of external platform stairs with advancing side protection.



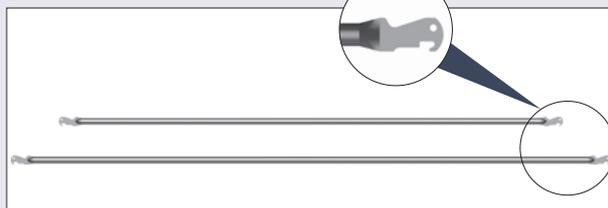
AGS double end guardrail, end closure
2602.014 – 018



AGS standard LW
2602.065

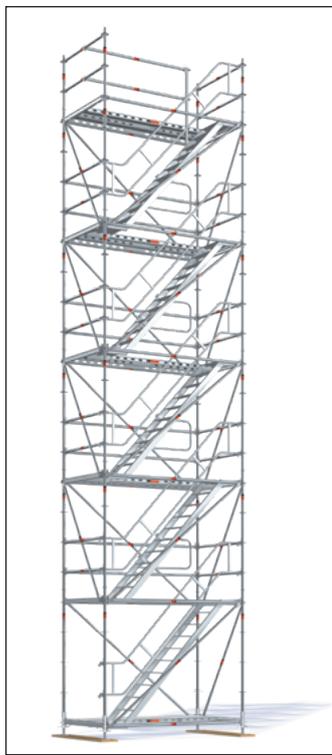


Internal stair guardrail
1752.007 WS19
1752.008 WS22



AGS guardrail
2602.063 – 064

ALLROUND PLATFORM STAIRTOWER



With the platform stair, you can just as easily build a 4-standard stairtower that is both integrated into the scaffolding and also designable as an independent access structure – anchored on the building. In this case unidirectional and alternating stairs are possible.

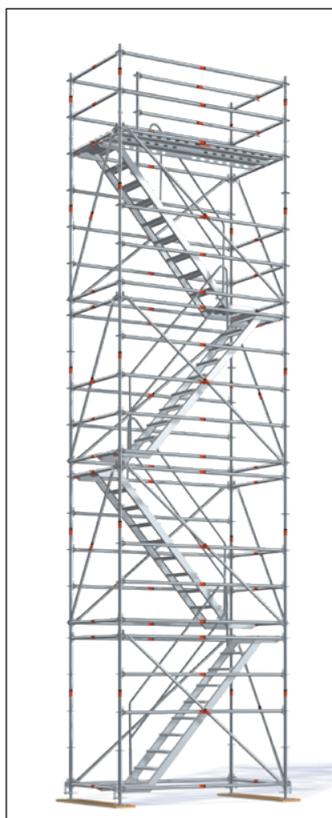
With this design, there are no hindrances to working on the scaffolding.

Permissible load capacity of platform stair: 2.5 kN/m²

	<p>U-platform stair, aluminium 1753.257 – 307</p>		<p>Allround-O-ledge 2601.140</p>
	<p>U-easy-access stair 1755.257 – 307</p>		<p>Allround-U-ledge, as a cover ledge 2618.140</p>
	<p>Allround-O-ledge, wedge coupler and U-fork 2638.401</p>		<p>Allround guardrail post 2638.400</p>

For other components, see the platform stair in SpeedyScaf or Allround scaffolding, e.g.: U-start ledge, stair guardrail, internal stair guardrail.

ALLROUND MODULAR STAIRTOWER

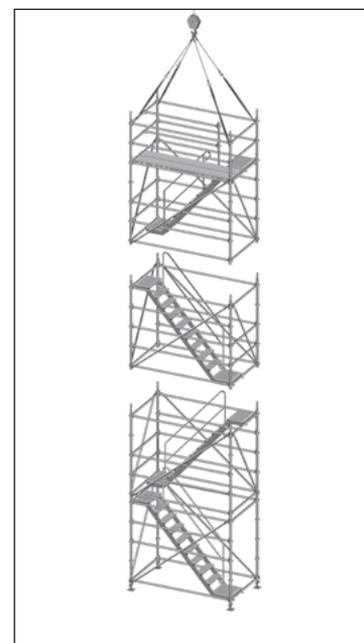


The Allround modular stairtower is the perfect solution for access to excavations, unfinished buildings and formwork at sites, and much more besides. Thanks to the 2.21 m-long Allround standard, the stairtower has no joint-overlapping components, and can be pre-assembled on the ground storey by storey and then emplaced by crane. Access is possible at both the ends and at the sides. You also have the benefit of 20 cm more headroom in a unidirectional stair than in a conventional one.

Surface area: 1.40 x 2.57 m (in 0.64 m-wide easy-access stair)
1.57 x 2.57 m (in 0.94 m-wide easy-access stair)

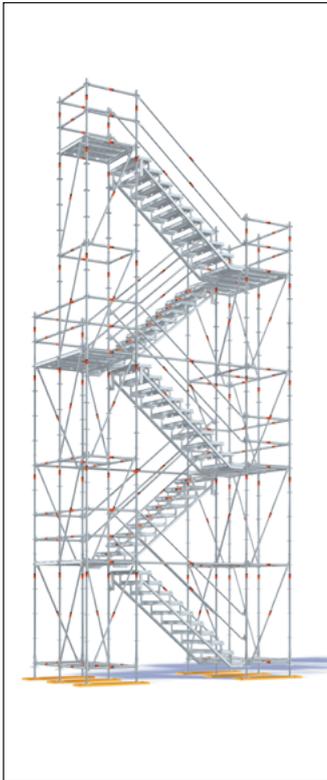
Permissible load capacity: 2.0 kN/m² (in 0.94 m-wide easy-access stair)
2.5 kN/m² (in 0.64 m-wide easy-access stair)

	<p>Initial standard LW, steel 2617.221</p>
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ALLROUND SITE STAIRTOWER 200

12-STANDARD SITE STAIRTOWER IN ALLROUND SCAFFOLDING



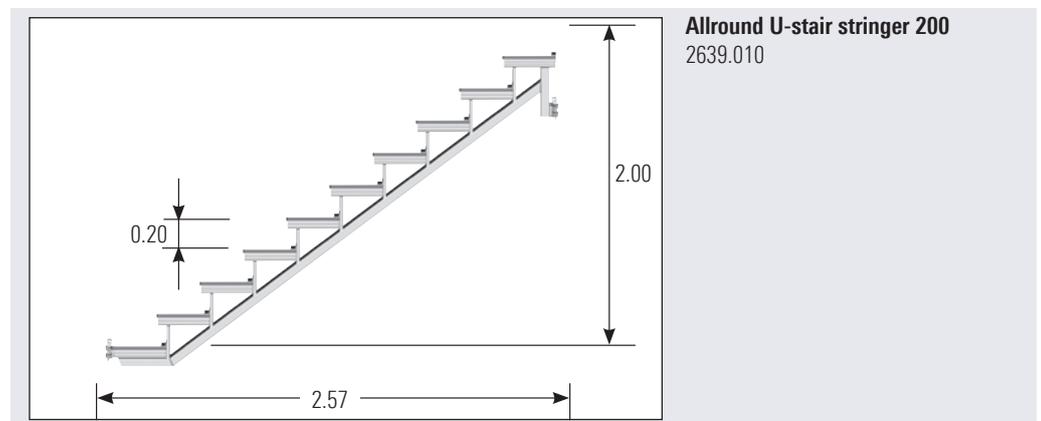
With the Allround site stairtower 200, 12-standard, each stair is assembled from 2 separate U-stair stringers 200 and 32 cm-wide standard decks used as steps. On the one hand this makes the weight/volume of the individual parts lower, the proportions of standard material higher, and the additional costs lower, and on the other hand it permits variable stair widths. Standard Allround diagonal braces are used as stair guardrails.

U-stair stringer 200, 10 steps, L = 2.57 m, H = 2.00 m:

Permissible load capacity 2.0 kN/m² with a stair flight width of 1.29 m.

Stair dimensions: Riser s = 20.0 cm; tread a = 24.1 cm; undercut u = 7.9 cm

Maximum construction height: 78 m according to structural analysis. 10 decks per stair flight.



ALLROUND COMPACT STAIRTOWER



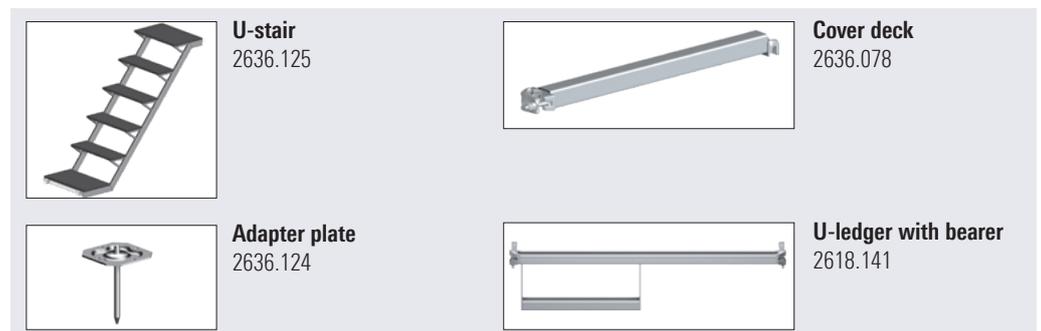
In its standard version, the Layher Allround compact stairtower conforms to German regulations on stairways for building work and fits into many stairway recesses in buildings to house one or more families.

It puts an end to improvised and dangerous stair or ladder solutions inside an unfinished building and at the same time ensures efficient working: thanks to short assembly times with prefabricated and lightweight individual parts, and to its variability with regard to outer dimensions, directions and levels for entry and exit. Bracket attachments furthermore mean it can also be used as work scaffolding for work on the stairwell walls. So the compact stairtower is not only assembled quickly and flexibly, but also saves time and money for construction companies thanks to safer and more convenient use. Use of the modular Allround construction kit means that only a few additional components are needed. When the adapter plate is used, the screed can be laid without any problem even when the compact stairtower is already in place.

Surface area without brackets: 1.57 x 1.40 m

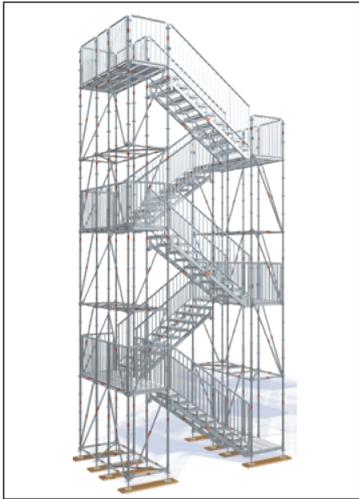
Exit clearances: 2.50 or 2.75 or 3.00 m

Permissible load capacity: 2.5 kN/m²



STAIRTOWER 500

16-STANDARD STAIRTOWER IN ALLROUND SCAFFOLDING



The Stairtower 500 is intended for temporary stairway structures with higher loads. It is preferably used as a site stairtower, e.g. for access to the site or as a road crossing not open to the public during construction work, but also at buildings as an additional escape stairtower. Under certain circumstances, the Stairtower 500 can also be used for public access during construction work or as a mandatory escape stairtower.

Multi-part stair flights, comprising separate stair stringers 500 and 32 cm wide scaffolding decks as steps. Steel decks are preferably used. The widths for stair flight and stairwell are variable. In the standard version, the Stairtower 500 is provided with a child safety guardrail.

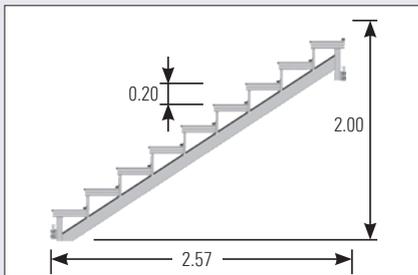
U-stair stringer 500, 9 steps, L = 2.57 m, H = 2.00 m:

Permissible load capacity 5.0 kN/m² with a stair flight width of 2.07 m.

Stair dimensions: Riser s = 20.0 cm; tread a = 27.5 cm; undercut u = 4.5 cm.

9 decks per stair flight.

A height adjustment outside the 2.0 m standard height dimension is achieved with 5-step stair stringers.



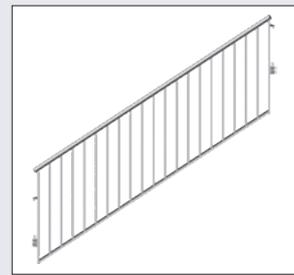
U-stair stringer 500
2639.009-004



Guardrail T12 with child safety feature
2616.073-257



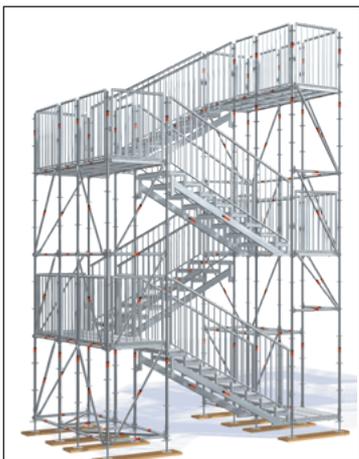
U-cover ledger 110 LW
2675.073-257



Stair guardrail 500
2616.100-104

STAIRTOWER 750

16-STANDARD STAIRTOWER IN ALLROUND SCAFFOLDING



The Stairtower 750 with child-safety guardrail is intended, in view of its riser dimensions, for both temporary and permanent stair structures in public areas. Typical applications are as road-crossings during building work, as stairs inside buildings for the duration of the construction work, as a mandatory escape stairtower or as a site stairtower. For the events field, the Stairtower 750 has a high load-bearing capacity, allowing it to be used for accessing stands and stages.

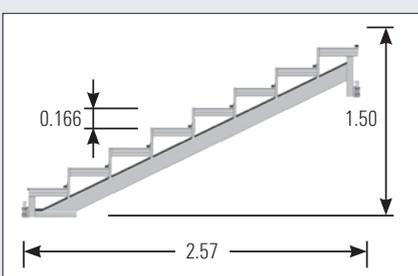
U-stair stringer 750, 8 steps, L = 2.57 m, H = 1.50 m:

Permissible load capacity 7.5 kN/m² with a stair flight width of 2.07 m.

Stair dimensions: Riser s = 16.6 cm; tread a = 31.0 cm; undercut u = 1.0 cm.

8 decks per stair flight.

A height adjustment outside the 1.5 m standard height dimension is achieved with 5-step or 2-step stair stringers.



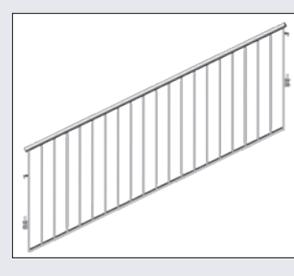
U-stair stringer 750
2639.002-008



Guardrail T12 with child safety feature
2616.073-257



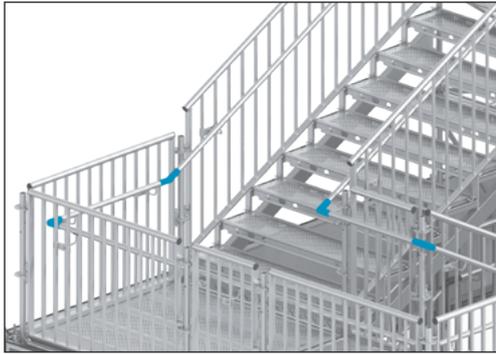
U-cover ledger 110 LW
2675.073-257



Stair guardrail 750
2616.001-110

Note:
In very heavily frequented stairways, the steps are subjected to extreme loads in a short time. Scaffolding decks are not designed for these frequent load changes. Steel decks used for these applications should be checked for fatigue damage at regular intervals (the guideline value is after around 750,000 load cycles) and replaced if necessary.

SYSTEM HANDRAIL



With the system handrail, complex one-off designs and assembly work can be avoided. With just three parts – handrail holder, joint and handrail tube – the guardrail can be installed quickly and easily for every stair type in line with regulations. The lightweight aluminium handrail tubes with dia. 42.3 mm for a pleasant grip are easy to cut and drill into and are also quick to clean. They are simply riveted to the fitted handrail holders.

With rotating joints that permit any angle between 90° and 180° to be set and used, all transitions between the handrail tubes are smooth and pleasant to the touch.

	Joint for system handrail 2616.007		System handrail holder 2616.004		Assembly aid for system handrail 2616.005
	System handrail holder 2616.001		System handrail holder, swivelling 2616.008		Blind rivet 4.8 x 12 mm 6493.357
	End caps for system handrail tube 2616.009	System handrail tube, aluminium, dia. 42.3 mm, 6.00 m 2616.003			

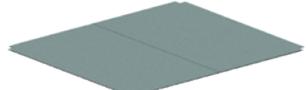
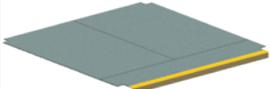
STEP COVER



Sure footing with Layher step covers. With their non-slip surface using quartz sand, they ensure maximum safety on Layher stairs in rain, snow and ice conditions. The step covers are made from glass-fibre-reinforced plastic. They are permanently resistant to weather effects, easy to clean, electrically non-conductive and flame-retardant. They can be fitted quickly and are optimally matched to the Layher stair range.

A dependable solution for sure footing in all weather conditions.

The risers and the covers conform to the slip resistance value R13 as per DIN EN 51130.

	Step cover 4000.157–207		Platform cover 4003.073–074
	Riser 4002.157–207		Platform cover 4003.157–207
	Platform cover 4002.157–207		Countersunk bolt M8 x 30 6495.069 Lock nut M8 6494.580 Spring washer A 8.4 x 18 mm 6495.070
	Platform cover 4003.015–016		



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

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

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



Headquarters in Eibensbach



Plant 2 in Gueglingen

Layher 

More Possibilities. The Scaffolding System.

Wilhelm Layher GmbH & Co KG
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