

TEMPORARY ACCESSSES

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

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



TEMPORARY ACCESSES





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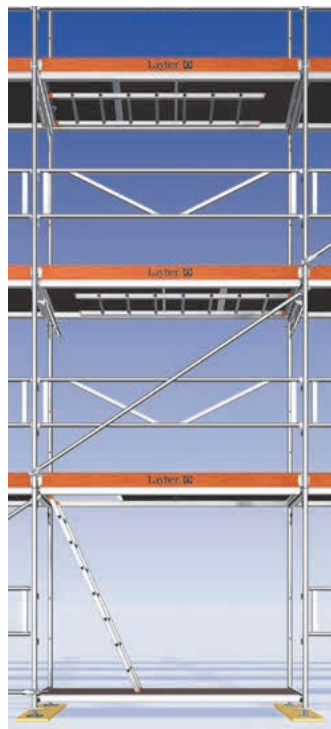
All dimensions and weights are guideline values. Subject to technical modification.

Steel parts are galvanized according to EN ISO 4042 and EN 12811-2.

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INTERNAL ACCESS WITH STOREY LADDERS IN HATCH-TYPE DECKS

THE LOW-COST VARIANT FOR UPWARD ACCESS IN SCAFFOLDING



Hatch-type decks – with the same function as scaffolding decks – comprise work decks, a stiffening element and access inside the scaffolding structure, allowing material to be transported to a limited extent. Depending on the requirements and conditions of use, you can select Layher hatch-type decks in steel or aluminium versions or in an aluminium-plywood combination. The ladders are available either for suspension, or already integrated into the deck, the integrated ladder favouring faster construction and being theft proof. For work on the access deck, the ladder is removed if loose or simply folded up if integrated. A hatch closes off the access opening. Max. construction height: 80 m after type testing.

ACCESS DECKS WITH INTEGRATED LADDER

3838.257	U-robust access deck, 2.57 m long	3813.207	U-access deck, steel, 2.07 m long
3838.307	U-robust access deck, 3.07 m long	3813.257	U-access deck, steel, 2.57 m long
3852.257	U-aluminium access deck, 2.57 m	3858.157	U-robust access deck, hatch offset, 1.57 m
3852.307	U-aluminium access deck, 3.07 m	3858.207	U-robust access deck, hatch offset, 2.07 m
3859.257	U-robust access deck, hatch offset, 2.57 m	3858.257	U-robust access deck, hatch offset, 2.57 m
3859.307	U-robust access deck, hatch offset, 3.07 m	3858.307	U-robust access deck, hatch offset, 3.07 m
ACCESS DECKS WITHOUT LADDER			
3851.157	U-aluminium access deck, 1.57 m	4005.007	Access ladder for SpeedyScaf
3851.207	U-aluminium access deck, 2.07 m	4008.007	Access ladder, 7 rungs T15 for SpeedyScaf and Allround Scaffolding System
3851.257	U-aluminium access deck, 2.57 m		
3851.307	U-aluminium access deck, 3.07 m		

MODULAR STAIRWAY



With the Layher modular stairway, access possibilities that always fit and that match the system can be constructed. Any intermediate dimension can be achieved without ad-hoc solutions simply by fitting together the individual stairway parts. The stairway rises 20 cm from step to step; at the top the initial section is flush with the floor of the stairway tower, while at the bottom the end section with scaffolding spindles is used for precise levelling.

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

Design: steel, hot-dip galvanized. Connection of elements with bolt dia. 12 x 55 mm and safety clip 2.80 mm (2 per joint). They are already included in the scope of delivery.

A wide variety of applications thanks to modular design. Little space needed for transport and assembly; long service life.

2637.060	U-stair head section, 0.60 m wide
2637.095	U-stair head section, 0.95 m wide
2638.060	Stair middle section, 0.60 m wide
2638.095	Stair middle section, 0.95 m wide
2639.060	Stair foot section, 0.60 m wide
2639.095	Stair foot section, 0.95 m wide



PLATFORM STAIRS IN SPEEDYSCAF

More safety, convenience and speed when ascending the tower is offered by the Layher platform stair.
Material transport is facilitated by the additional use of the work decks as all-round walkways.



Can be used both in Layher's SpeedyScaf and in Layher's Allround Scaffolding.
The external platform stair tower is covered by the SpeedyScaf approvals as scaffolding access in its regular version (up to 24 m); this means that with the required load capacity of 1.0 kN/m² no further verification is needed. Maximum construction height: 40 m depending on structural analysis. Permissible load capacity of platform stairway: 2.5 kN/m².

- 1752.004 Stairwell guardrail 1.00 x 0.50 m, 19 WS
- 1752.014 Stairwell guardrail 1.00 x 0.50 m, 22 WS
- 1752.019 U-distance coupler 0.115 m, 19 WS
- 1752.022 U-distance coupler 0.115 m, 22 WS
- 1751.073 Starter U-transom, 0.73 m
- 1753.257 Platform stairway, 2.57 m
- 1753.307 Platform stairway, 3.07 m
- 1755.257 Comfort stairway, 2.57 m
- 1755.307 Comfort stairway, 3.07 m
- 1752.257 Stair guardrail for SpeedyScaf, 2.57 m
- 1752.307 Stair guardrail for SpeedyScaf, 3.07 m
- 1752.007 Internal guardrail
- 1752.006 Stairway guardrail post 1.10 m



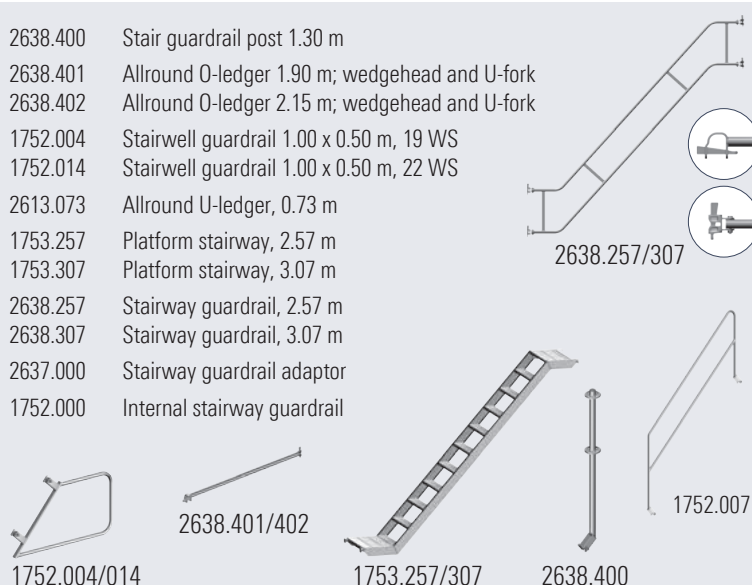
PLATFORM STAIRS IN ALLROUND SCAFFOLDING

VERSION IN ALLROUND SCAFFOLDING



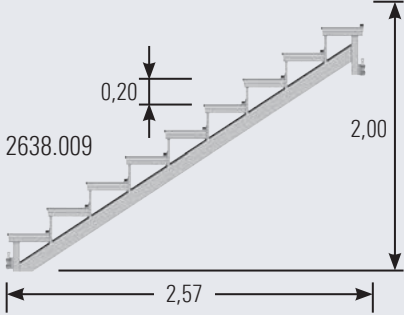
Maximum construction height: 40 m depending on structural analysis.
Permissible load capacity of platform stairway: 2.5 kN/m².

- 2638.400 Stair guardrail post 1.30 m
- 2638.401 Allround O-ledger 1.90 m; wedgehead and U-fork
- 2638.402 Allround O-ledger 2.15 m; wedgehead and U-fork
- 1752.004 Stairwell guardrail 1.00 x 0.50 m, 19 WS
- 1752.014 Stairwell guardrail 1.00 x 0.50 m, 22 WS
- 2613.073 Allround U-ledger, 0.73 m
- 1753.257 Platform stairway, 2.57 m
- 1753.307 Platform stairway, 3.07 m
- 2638.257 Stairway guardrail, 2.57 m
- 2638.307 Stairway guardrail, 3.07 m
- 2637.000 Stairway guardrail adaptor
- 1752.000 Internal stairway guardrail



STAIRWAY TOWER 500

16-STANDARD



2638.009 U-stairway stringer, 9-step (2.00 m height)

2638.004 U-stairway stringer, 5-step (1.00 m height)

2616.073 – 257

2616.100

2616.100 Guardrail for stairs 500, 9-step; suitable for Ref. No. 2638.009

2616.104 Guardrail for stairs 500, 5-step; suitable for Ref. No. 2638.004

2616.073 Guardrail T12 with child protection, 0.73 m

2616.109 Guardrail T12 with child protection, 1.09 m

2616.140 Guardrail T12 with child protection, 1.40 m

2616.157 Guardrail T12 with child protection, 1.57 m

2616.207 Guardrail T12 with child protection, 2.07 m

2616.257 Guardrail T12 with child protection, 2.57 m

2609.073 U-ledger, 0.73 m

2609.109 U-ledger, 1.09 m

2609.140 U-ledger, 1.40 m

2609.157 U-ledger, 1.57 m

2609.207 U-ledger, 2.07 m

2609.257 U-ledger, 2.57 m

2609.073 – 257



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

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

U-stairway stringer 500, 9-step, L = 2.57 m, H = 2.00 m:

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

Stairway dimensions: riser s = 20.00 cm; tread a = 27.50 cm; undercut u = 4.50 cm.

A height adjustment outside the 2.00 m standard height dimension is achieved with 5-step stairway stringers.

9 decks per standard stairway.

STAIRWAY TOWER 750

16-STANDARD

2638.008

2616.073 – 257

2616.101

2638.008 U-stairway stringer 750, 8-step (1.50 m height)

2638.005 U-stairway stringer 750, 5-step (1.00 m height)

2638.002 U-stairway stringer 750, 2-step (0.50 m height)

2616.101 Guardrail for stairs 750, 8-step; suitable for Ref. No. 2638.008

2616.105 Guardrail for stairs 750, 5-step; suitable for Ref. No. 2638.005

2616.110 Guardrail for stairs 750, 2-step; suitable for Ref. No. 2638.002

2609.073 – 257

2616.073	Guardrail T12 with child protection, 0.73 m	2609.073	U-ledge, 0.73 m
2616.109	Guardrail T12 with child protection, 1.09 m	2609.109	U-ledge, 1.09 m
2616.140	Guardrail T12 with child protection, 1.40 m	2609.140	U-ledge, 1.40 m
2616.157	Guardrail T12 with child protection, 1.57 m	2609.157	U-ledge, 1.57 m
2616.207	Guardrail T12 with child protection, 2.07 m	2609.207	U-ledge, 2.07 m
2616.257	Guardrail T12 with child protection, 2.57 m	2609.257	U-ledge, 2.57 m



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

U-stairway stringer 750, 8-step, L = 2.57 m, H = 1.50 m:

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

Stairway dimensions: riser s = 16.60 cm; tread a = 31.00 cm; undercut u = 1.00 cm.

A height adjustment outside the 1.50 m standard height dimension is achieved with 5- or 2-step stairway stringers.

8 decks per standard stairway.

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.

PLATFORM STAIRWAY TOWER



With the platform stairway tower, it is simple to construct a 4-standard stairway tower, either integrated into the scaffolding or as a free-standing access structure anchored on the building. Both parallel and opposite stairways are possible here.

There is no hindrance to work on scaffolding with this version.

Permissible load-bearing capacity of the platform stairway: 2.5 kN/m².

1753.257	Platform stairway, 2.57 m
1753.307	Platform stairway, 3.07 m
1755.257	Comfort stairway, 2.57 m
1755.307	Comfort stairway, 3.07 m
2601.140	Allround O-ledger LW 1.40 m, as guardrail
2613.140	Allround U-ledger 1.40 m, as deck ledger
2638.400	Stair guardrail post 1.30 m
2638.401	Allround O-ledger 1.90 m; wedgehead and U-fork

For other components, see the platform stairway in SpeedyScaf or Allround Scaffolding,

e.g.: Starter U-transom, Stair guardrail, Internal guardrail.

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.

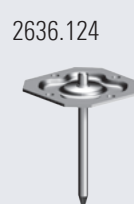
It puts an end to improvised and dangerous stairway or ladder solutions inside an unfinished building and at the same time ensures efficient working: thanks to short assembly times with prefabricated and lightweight individual parts, and to its variability with regard to outer dimensions, directions and levels for entries and exits. Bracket attachments furthermore allow it to be used as work scaffolding for work on the stairway well walls. This means that the compact stairtower is not only assembled quickly and flexibly, but also saves time and money for construction companies thanks to safe and convenient use. Using the modular Allround 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 with the compact stairtower already in place.

Ground plan without console brackets: 1.57 x 1.40 m

Exit spacing: 2.50 or 2.75 or 3.00 m

Permissible load capacity: 2.5 kN/m²

2636.125	U-stair, 1.25 x 0.60 m
2608.140	U-ledger with bearer, 1.40 m
2636.078	Gap cover, 0.79 m
2636.124	Adaptor plate



ALLROUND STAIRWAY TOWER 200

12-STANDARD



With the Allround stairway tower 200, 12-standard, each stairway is assembled from 2 separate U-stairway stringers 200, with 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 also permits even more variants in the stairway width.

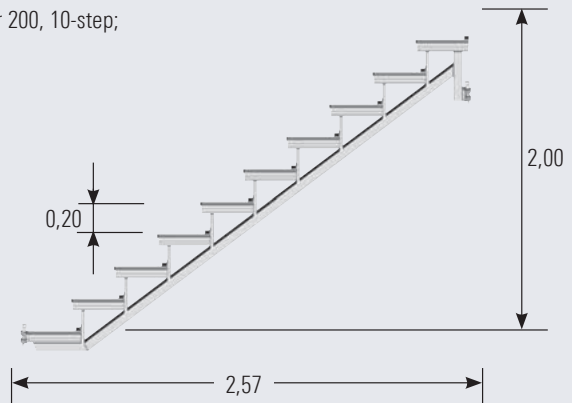
U-stairway stringer 200, 10-step, L = 2.57 m, H = 2.00 m:

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

Stairway dimensions: riser s = 20.00 cm; tread a = 24.10 cm; undercut u = 7.90 cm.

Maximum construction height: 78 m depending on structural analysis. 10 decks per stairway.

2638.010 Allround U-stairway stringer 200, 10-step;
(2.00 m height)



MODULAR SCAFFOLDING STAIRWAY TOWER

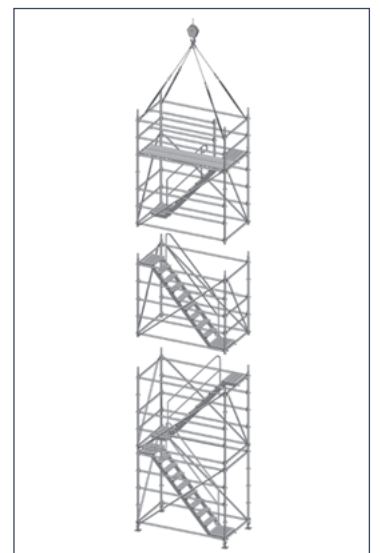


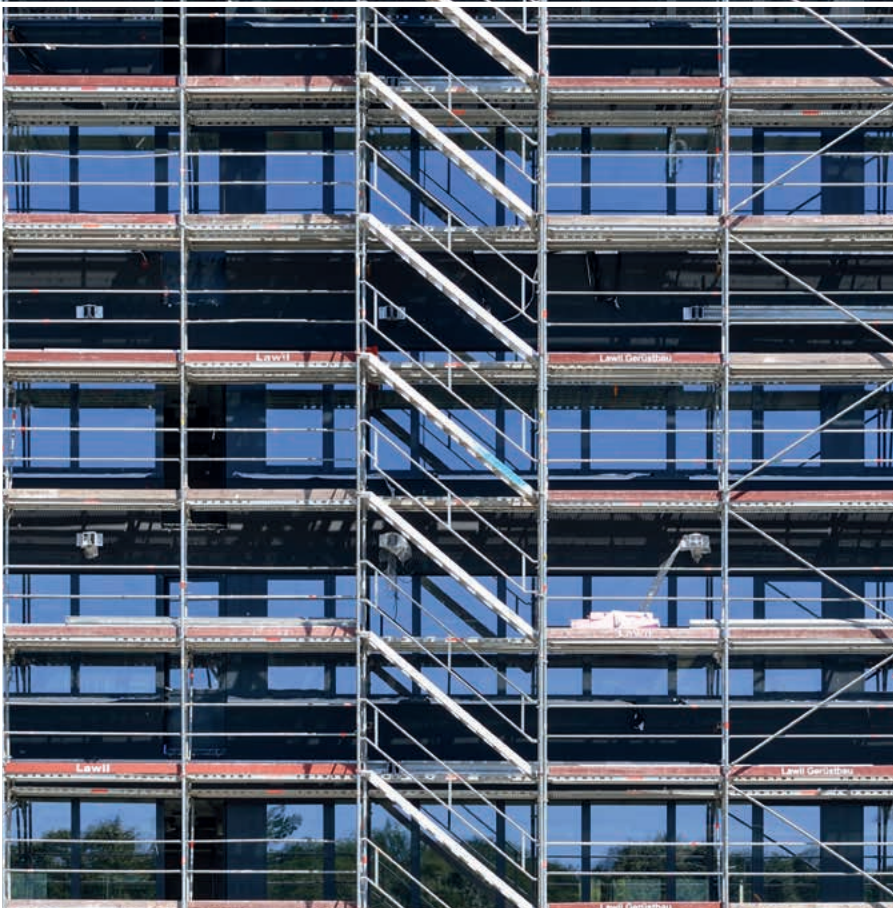
The modular scaffolding stairway tower is the perfect solution for excavations, shells, site accesses to formworks and much more. Thanks to the 2.21-m-long Allround standard, the stairway tower has no joint-crossing components and can be preassembled on the ground floor by floor and placed by crane. Exits are possible both on the end and on the longitudinal side. You will also benefit from a 20 cm increased headroom on unidirectional stairs compared to conventional construction.

Ground plan: 1.40 x 2.57 m (using a 0.64 m wide comfort stairway)
1.57 x 2.57 m (using a 0.94 m wide comfort stairway)

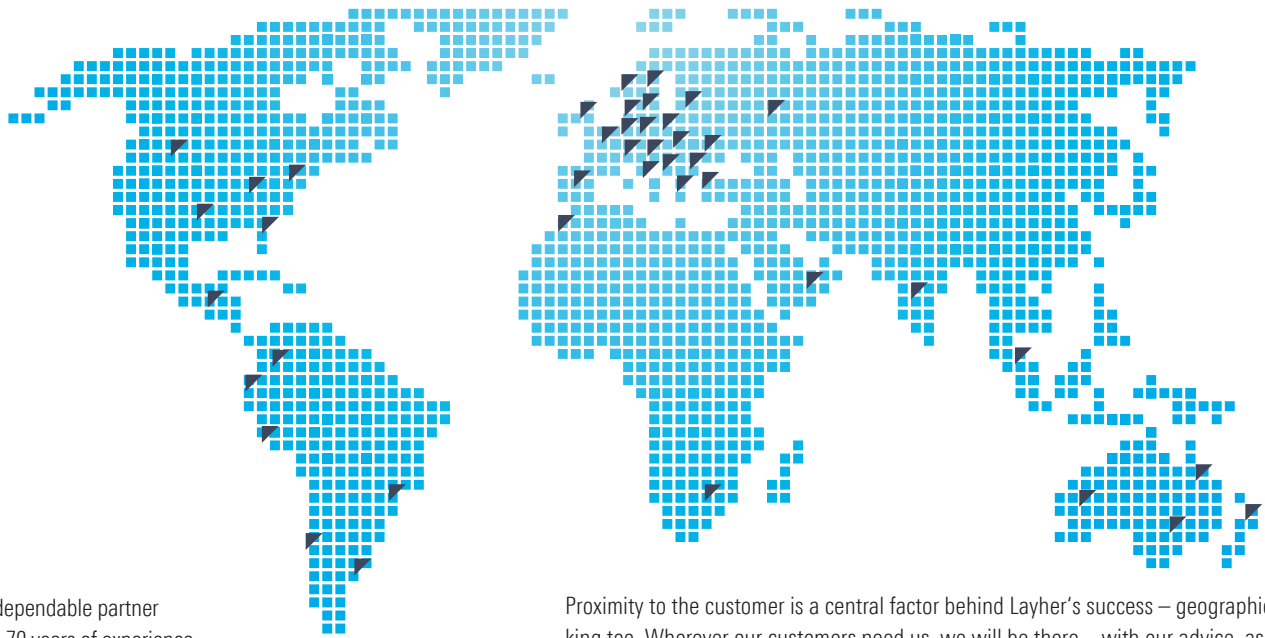
Permissible load capacity: 2.0 kN/m² (using a 0.94 m wide comfort stairway)
2.5 kN/m² (using a 0.64 m wide comfort stairway)

2617.221 Initial standard LW, steel
2.21 m with 5 rosettes









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

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

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	Allround Scaffolding
	Accessories
	Protective Systems
	Shoring
	Event Systems
	Rolling Towers
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