

TEMPORARY ACCESSSES



Edition 04.2015
Ref. No. 8121.201

Quality management
certified according
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



QUALITY MADE BY LAYHER



Headquarters in Eibensbach



Plant 2 in Gueglingen

HERE IS THE BEATING HEART OF LAYHER.

Quality made by Layher comes from Gueglingen-Eibensbach. Our company has set down deep local roots since it was established. Right up until today, development, production, logistics and management are all in one place, where the conditions are best for achieving quality made by Layher: in Gueglingen-Eibensbach. The two locations together cover a surface area of 318,000 m². This includes more than 142,000 m² of covered production and storage areas. This is where our scaffolding systems are created by highly automated production. Short distances and short reaction times mean we can adapt production to suit our customers' requirements, flexibly and at any time.

MORE POSSIBILITIES. THE SCAFFOLDING SYSTEM.

This brand promise made by Layher is the expression of a brand philosophy that we've been living by for over 70 years. More speed, more safety, more proximity, more simplicity and more future: values with which we strengthen our customers' competitiveness in the long term. With our innovative systems and solutions, we're working all the time on making scaffolding construction even simpler, even more economical and, above all, even safer. With comprehensive services, a permanent range of training courses and an ethos of customer focus, more than 1,500 dedicated Layher employees are creating more possibilities for our customers every single day. In more than 30 countries all over the world.



MORE SPEED

We can supply any required quantity of the right products at the right time – to anywhere in the world. Layher has subsidiaries in more than 30 countries in all five continents, with a tight-knit network of national service centers. Speed is also the motto of our logistics concept. Customers have the choice of picking up their material at a Layher service center or having it delivered either to a warehouse or “just in time” directly to the site.



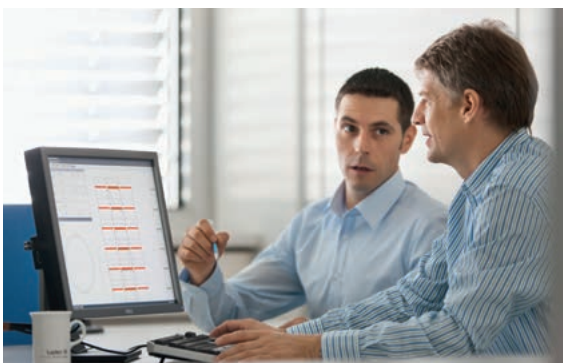
MORE EXPERIENCE

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



MORE KNOWLEDGE

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



MORE CLARITY

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



MORE QUALITY

People talk a lot about quality. We just produce it. Quality from Layher means state-of-the-art production processes, carefully selected materials, smart automation and a highly qualified workforce. Our products comply with the very latest security standards and possess DIN ISO certification, German TÜV approval, and many other German and international quality labels. 20,000 kilometres of steel tubing in high-quality workmanship are convincing testimony to Layher’s quality standards.

LIGHTWEIGHT BUT BETTER AND STRONGER.

THE LIGHTWEIGHT PHILOSOPHY – WITH HEAVYWEIGHT BENEFITS

Layher has been the driving force behind game-changing innovation in scaffolding for more than 70 years. In 1965, Layher SpeedyScaf revolutionised the industry; and 1974 saw the launch of Layher Allround Scaffolding, a modular product portfolio that took the world market by storm. And the unique Allround connector swept away conventional scaffolding technology.

But the time is now ripe for a new dimension in scaffolding: Layher Lightweight. Our mission has always been to lighten your load. In this case, we have taken our mission literally. By working hand-in-glove with our steel suppliers, Layher engineers have succeeded in developing special high-tensile steel – a steel that significantly lowers the weight of components. Despite reduced wall thickness and lower weight, these new Layher products deliver higher load-bearing capacity than the proven Allround system. The new connector creates considerably stronger transitions. The innovative ledger AutoLock means faster scaffolding erection and improved safety. And best of all: the Lightweight line is compatible with conventional Layher scaffolding. So you can continue to use your existing Layher components. All of them.

THE BENEFITS TO YOU:

- ▶ Enhanced load-bearing capacity.
- ▶ Lower weight.
- ▶ Fully compatible with all Allround components.

THE NEW LIGHTNESS OF BEING LAYHER.

INVESTING IN A BETTER FUTURE – FOR ALL STAKEHOLDERS

Layher is about more possibilities. And the Lightweight line underlines our pioneering role, by marking a new milestone. It is the result of a major, multi-year R&D project with a clearly defined objective: to make scaffolding easier, safer and above all more cost-effective for you, our customers.

The modular Layher Lightweight line will revolutionise the erection and dismantling of challenging scaffolding structures. The use of high-tensile steel allows reduced wall thickness, delivering a significant weight saving and higher load-bearing capacity. The result is lighter components, easier and faster erection, and lower shipment costs.

Higher productivity and lower shipment costs mean that an investment in Layher Lightweight pays for itself within less than one year.





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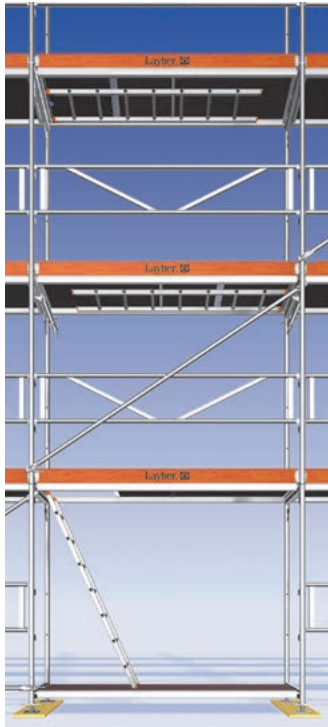
All dimensions and weights are guideline values. Subject to technical modification.

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		4005.007	Access ladder for SpeedyScaf
3851.157	U-aluminium access deck, 1.57 m	4008.007	Access ladder, 7 rungs T15 for SpeedyScaf and Allround Scaffolding System
3851.207	U-aluminium access deck, 2.07 m		
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

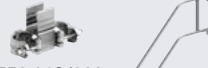
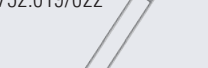

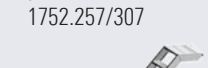










PLATFORM STAIRS IN SPEEDYSCAF

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	
1752.006	Stairway guardrail post 1.10 m	







				
1752.006	1752.004/014	1755.257/307	1752.007	1751.073






PLATFORM STAIRS IN ALLROUND SCAFFOLDING

VERSION IN ALLROUND SCAFFOLDING



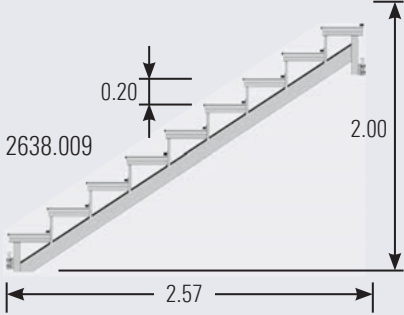
Maximum construction height: 40 m depending on structural analysis.
Permissible load capacity of platform stairway: 2.5 kN/m².

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	

				
1752.004/014	2638.401/402	1753.257/307	2638.400	1752.007


STAIRWAY TOWER 500

16-STANDARD

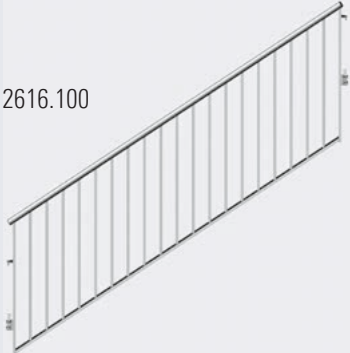


2638.009 U-stairway stringer, 9-step (2.00 m height)
 2638.004 U-stairway stringer, 5-step (1.00 m height)


2616.073 – 257



2616.100 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



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 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.

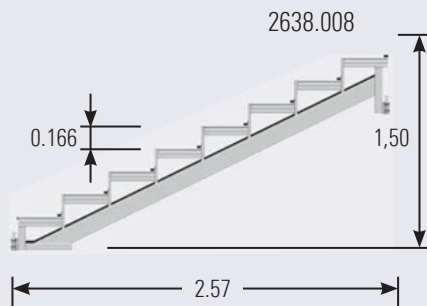
Stairway dimensions: riser s = 20.00 cm; tread a = 27.50 cm; undercut u = 4.50 cm.

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

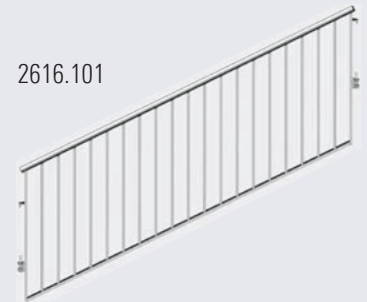


- 2638.008 U-stairway stringer 750, 8-step (1.50 m height)
- 2638.005 U-stairway stringer 750, 5-step (1.00 m height)
- 2638.002 U-stairway stringer 750, 2-step (0.50 m height)

2616.073 – 257



2616.101



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

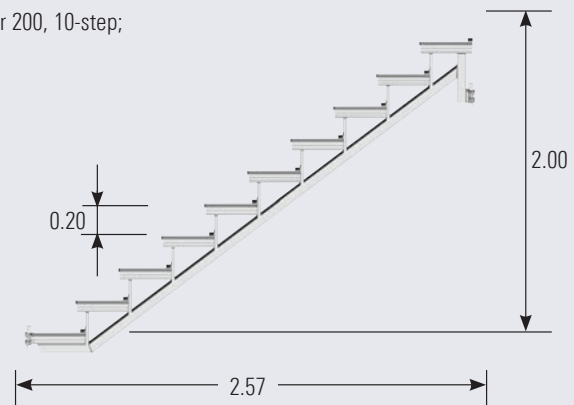
U-stairway stringer 200, 10-step, L = 2.57 m, H = 2.00 m:

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

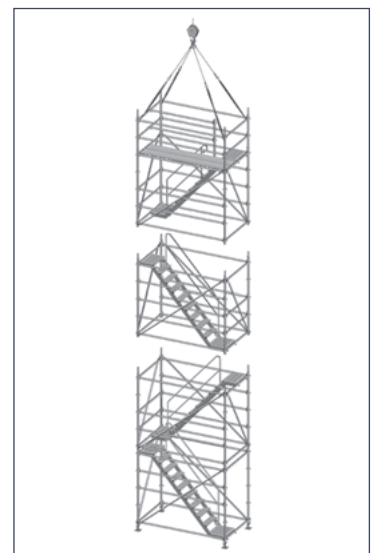
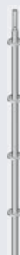


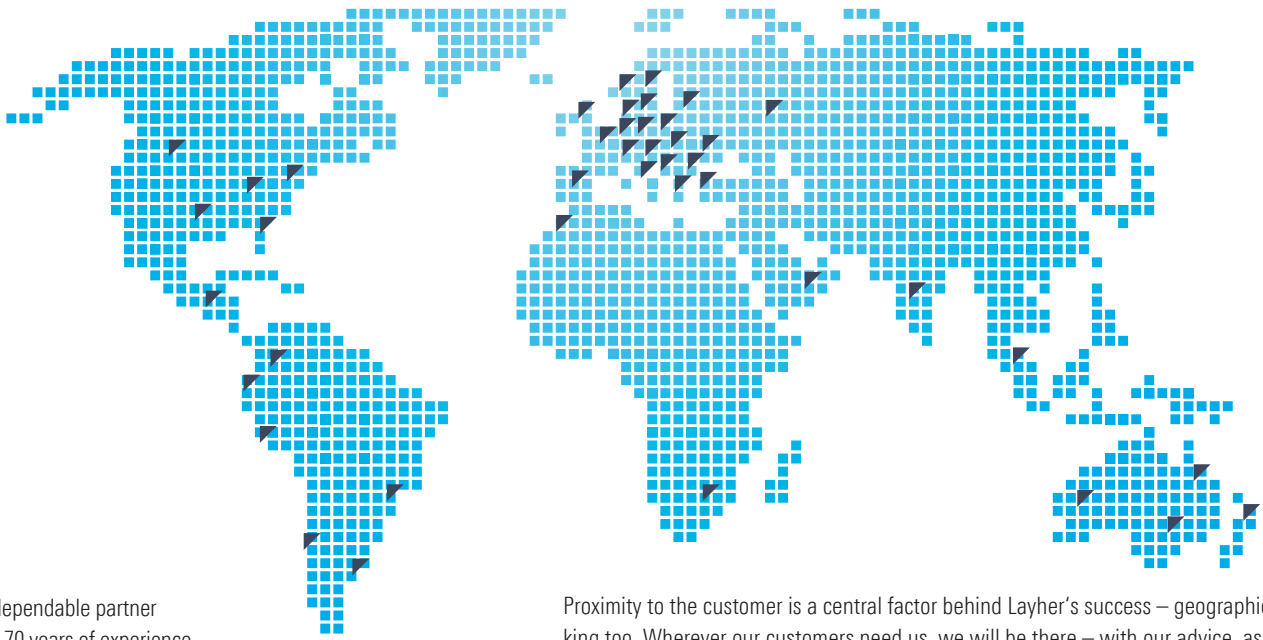
The modular scaffolding stairway tower is the perfect solution for excavations, shells, site accesses to formworks and much more. Thanks to the 2.21-m-long Allround standard, the stairway tower has no joint-crossing components and can be preassembled on the ground floor by floor and placed by crane. 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.

	SpeedyScaf
	Allround Scaffolding
	Accessories
	Protective Systems
	Shoring
	Event Systems
	Rolling Towers
	Ladders



Headquarters in Eibensbach



Plant 2 in Gueglingen

Layher

More Possibilities. The Scaffolding System.

Wilhelm Layher GmbH & Co. KG
Scaffolding Grandstands Ladders

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