

Layher Info

**Technology
and Products**

October 2009

40% time saving during ascent and descent
with the **Layher platform stairway**.

Ascents inside facade scaffolding are child's play thanks to the Layher platform stairway. Maximum safety, speed and practicality all combined in a single product! With the Layher platform stairway, it's possible to work undisturbed on the scaffolding level – there are no ladders in the way and no access hatches that have to be repeatedly closed.

With integrated ladder access, the narrow hatch openings considerably hinder working. Particularly when work materials or tools are being carried too.



Integrated ladder access:

Swing the access ladder down,
open the hatch,
go through it,
then close the hatch again.



Access with platform stairway:

Easy and convenient access:
One hand is always free!

Architects and site managers also appreciate the advantages of the Layher platform stairway, particularly if they aren't in their working clothes when they enter the scaffolding.

Your benefit:

- ▶ 40 % faster ascent compared with integrated ladder access
- ▶ Easier carrying of work materials or tools
- ▶ One hand always free during ascent
- ▶ Even more safety thanks to wide tread surfaces and guardrails
- ▶ Unhindered working at the scaffolding level is possible
- ▶ Assembly height up to 40 m is possible

Layher® 

More Possibilities. The Scaffolding System.

The Layher platform stairway. Even more

80% cost and time saving during assembly.

See it for yourself: the new

Stair guardrail

Forget all those complicated structures using horizontal ledgers, spigots, guardrail supports and individual guardrails at the stairwell. The new one-piece continuous stairway guardrail replaces these with minimum effort. It is attached quickly and easily using two U-clamps that grip the stringer and are firmly bolted there.

80% saving – that benefits you in full:

► **The cost saving:**

1 component replaces the complicated previous construction made up of 1 horizontal ledger, 2 spigots, 2 locking pins, 2 guardrail supports and 2 individual guardrails of 1.57 m length.

► **The time saving:**

Assembling the new stair guardrail is not only less expensive, but also much faster than the previous solution using individual parts – and that's not counting the logistic advantages.

Assembly duration so far: **about 2 ½ minutes**

Assembly duration with the new stair guardrail: **about 20 seconds**



Your benefit

- Additional safety
- Very fast assembly
- Firm and wobble-free fit, hence a greater feeling of safety



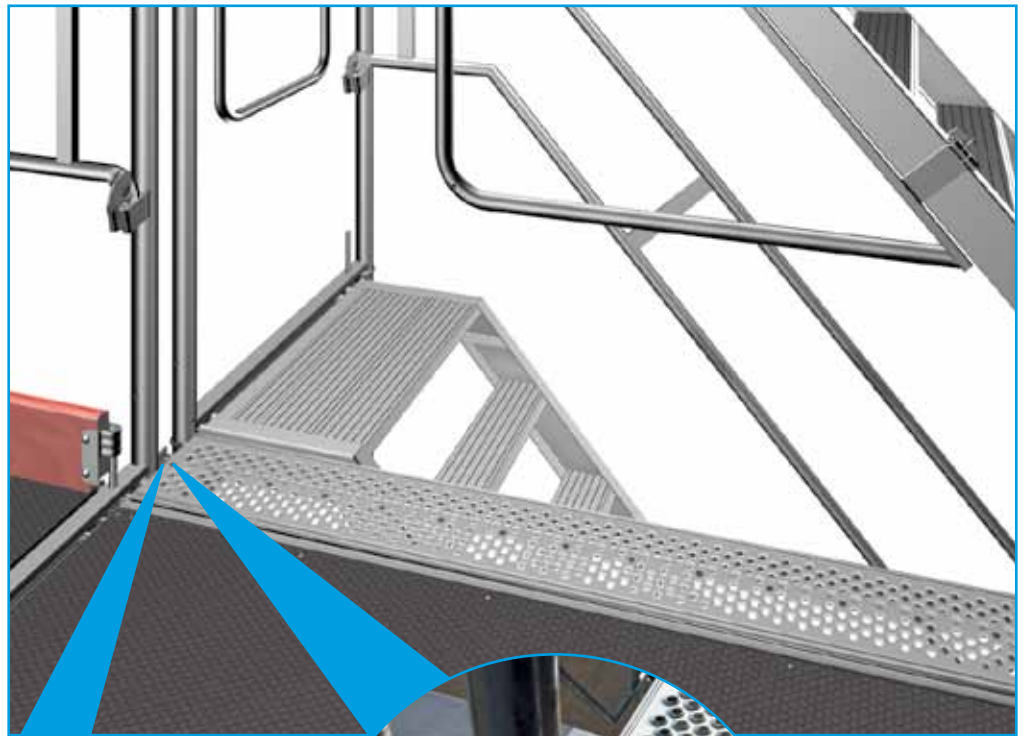
Fastening the new stair guardrail. Position it, bolt it tight, that's it! There's no faster, easier and safer way to do it.

re safety with 2 additional components.

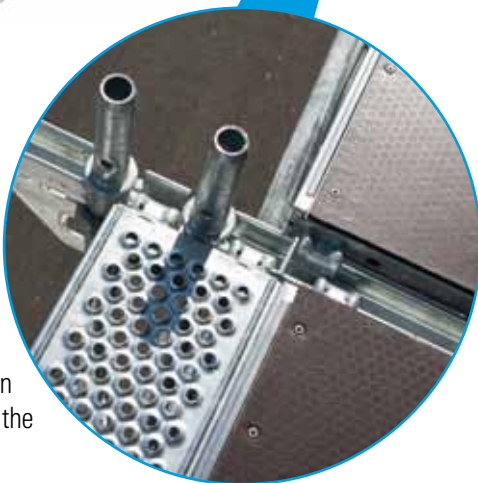
Easy, quick and absolutely safe. The new

U-distance coupler

The new U-distance coupler is used to connect the assembly frame of the stairway tower and the main scaffolding. The integrated U-section of the distance coupler allows closing of the gap between the stairway landing and the main scaffolding deck with 0.19 m wide standard decks. One suspension claw of the deck rests in the assembly frame of the main scaffolding and the other in the U-section of the coupler. No further parts are needed for closing the gap.



One claw of the 0.19 m wide steel deck rests in the assembly frame of the main scaffolding, and one claw in the U-section of the distance coupler.



The 0.19 m wide steel deck closes the gap between the main decking and the two stairway landings.

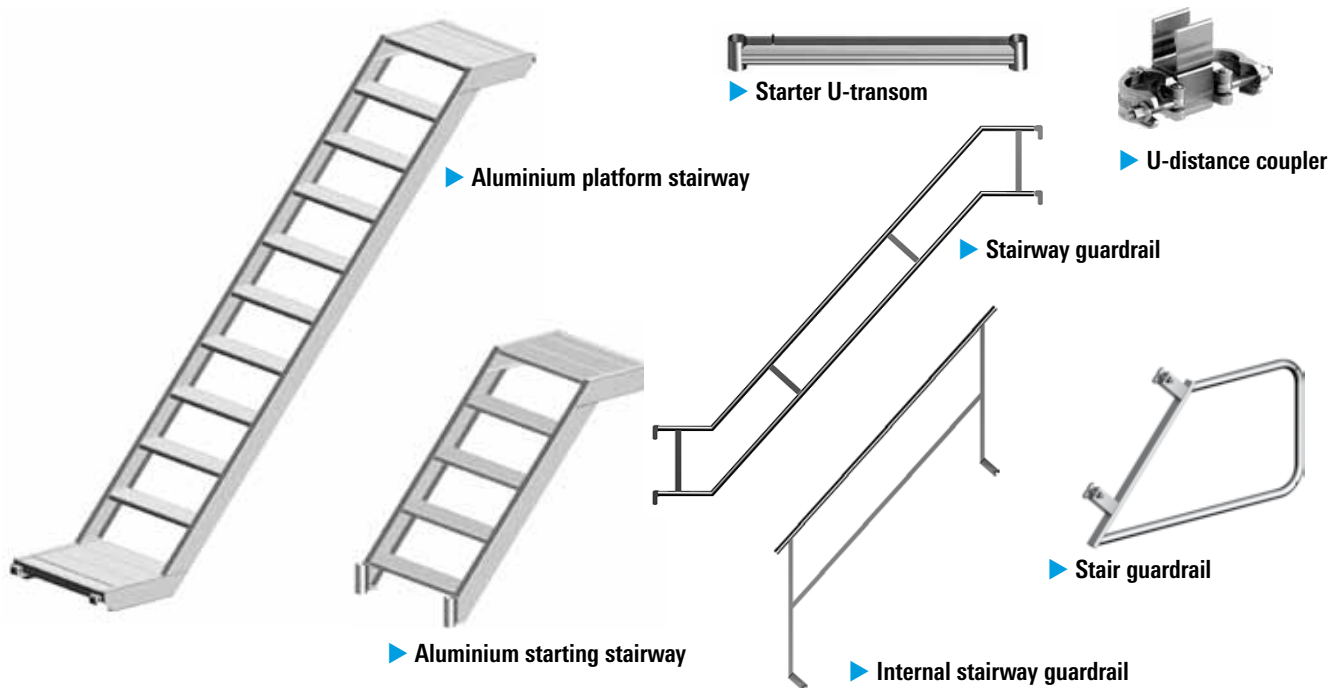


Your benefit

- ▶ Closing of the gap between the stairway and the scaffolding deck
- ▶ One part for connecting the assembly frames, including supports for split deck
- ▶ Parallel alignment of the stairway tower is possible – offset assembly isn't needed
- ▶ Low amount of material used

Few parts

Maximum profitability



Designation	Dimensions L/H x W [m]	Weight approx. [kg]	Ref. No.
▶ Aluminium platform stairway Load capacity 2.0 kN/m ² for 2.57 m bay length, 2.00 m bay height for 3.07 m bay length, 2.00 m bay height for 2.57 m bay length, 1.50 m bay height	2.57 x 0.64 3.07 x 0.64 2.57 x 0.64	21.9 26.3 21.5	1753.257 1753.307 1753.251
▶ Aluminium starting stairway 1.00 m high	1.2 x 0.64	12.0	1753.000
▶ Starter U-transom	0.73	3.8	1751.073
▶ Stairway guardrail for 2.57 m bay length, 2.00 m bay height for 3.07 m bay length, 2.00 m bay height for 2.57 m bay length, 1.50 m bay height	2.57 x 2.00 3.07 x 2.00 2.57 x 1.50	16.1 17.6 14.6	1752.257 1752.307 1752.003
▶ Internal stairway guardrail for 2.57 x 2.00 m bay and 3.07 x 2.00 m bay for 2.57 x 1.50 m bay Mandatory for opposite-direction stairways	2.00 1.50	12.5 11.3	1752.000 1752.002
▶ Internal stairway guardrail for aluminium starting stairway, 1.00 m high	1.00	10.2	1752.001
▶ U-distance coupler for connecting stairway tower to main scaffolding		2.0	1752.005
▶ Stairway guardrail Steel galvanized; for stairwell		6.2	1752.004

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