

PROVEN IN INDUSTRIAL APPLICATIONS



Bridging system | Dillinger Huette

From planning to implementation with SIM | Sugar silo



Suspended scaffolding | Refinery



Birdcage scaffolding and lattice beam | Landfill



Circular scaffolding | Refinery



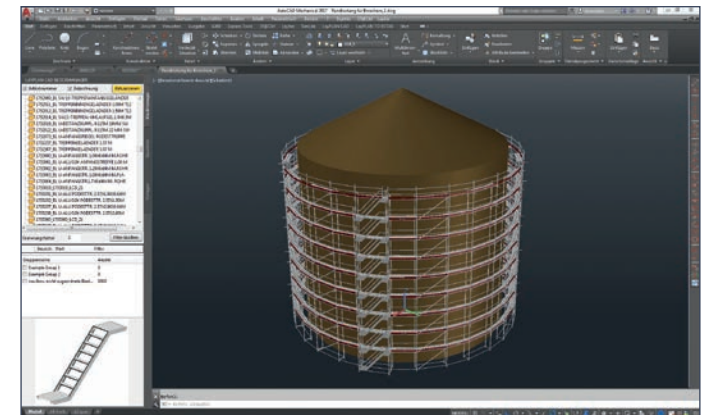
Allround LW in boiler of a paper factory



Protect System | Oil rig

DIGITAL SCAFFOLDING PLANNING
SIM | SCAFFOLDING INFORMATION MODELING

Digitalisation optimises project planning effectively, while opening up enormous potential for transparency and cost savings.

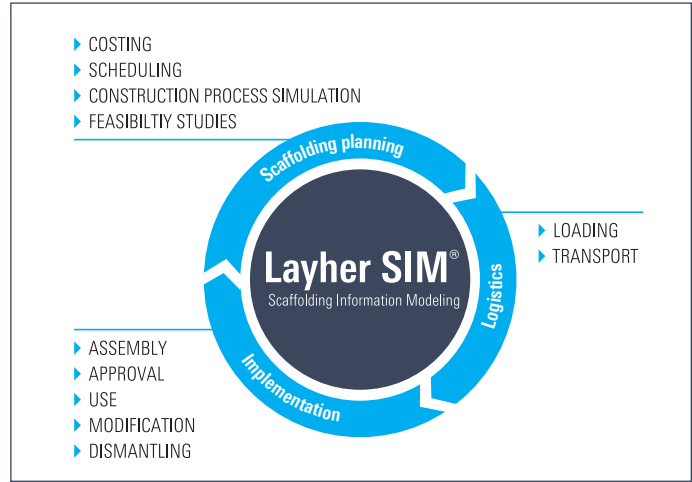


The future in scaffolding construction is digital – and it's name is SIM
Scaffolding Information Modeling – SIM for short – is a process based on 3D models and designed by Layher to meet the specific requirements of scaffolding construction. SIM not only allows you to plan, assemble and manage temporary scaffolding structures more efficiently, but also affords access to BIM at the same time. With the integrated Layher software solution "LayPLAN SUITE", you have a powerful tool for the SIM process: LayPLAN CLASSIC facilitates a start in digital planning by allowing automated planning of predefined scaffolding applications – and if required even with temporary roof structures. For complex scaffolding structures as part of large-scale engineering scaffolding, there is LayPLAN CAD.

Planning and scheduling certainty at sites
Dependable 3D planning of scaffolding structures without collisions is just one of many benefits. Added to that are the realistic visualisation of scaffolding, allowing work to be coordinated with other trades or construction sequence simulation, transfer of the scaffolding planning to structural analysis programs, and output of material lists and assembly plans. Transparency at every work step results in a reduction in costs and an increase in safety and profitability. When they work with Layher's scaffolding construction customers, both building contractors and end customers in industry benefit, with SIM, from a high degree of planning certainty, cost control and above all completion of projects on schedule

thanks to efficient and undisrupted construction processes. Delays and added costs due to inadequate planning are a thing of the past.

Process content of SIM



THE BENEFITS FOR YOU:

- ▶ Transparency in all work steps and cost control.
- ▶ Increase in safety and in profitability for every project.
- ▶ Planning and scheduling certainty at every site.
- ▶ Your access to BIM.

The modules of LayPLAN SUITE



Layher 
More Possibilities. The Scaffolding System.

Wilhelm Layher GmbH & Co KG
Scaffolding Grandstands Ladders

Ochsenbacher Strasse 56
74363 Gueglingen-Eibensbach
Germany

P. O. Box 40
74361 Gueglingen-Eibensbach
Germany
Telephone +49 (0)7135 70-0
Telefax +49 (0)71 35 70-265
E-mail info@layher.com
www.layher.com

Ref. No. 8116.241

Layher 
More Possibilities. The Scaffolding System.

LAYHER ALLROUND SCAFFOLDING®

LAYHER ALLROUND SCAFFOLDING®
EXPANSION PARTS IN INDUSTRIAL
SCAFFOLDING CONSTRUCTION
LAYHER ALLROUND SCAFFOLDING 0-VERSION



Edition 02 2024
Ref. No. 8116.241

Quality management
certified to
DIN EN ISO 9001



FW System craned in | Wind farm Beatrice



Column scaffolding | Refinery



Wood-free work scaffolding at power station



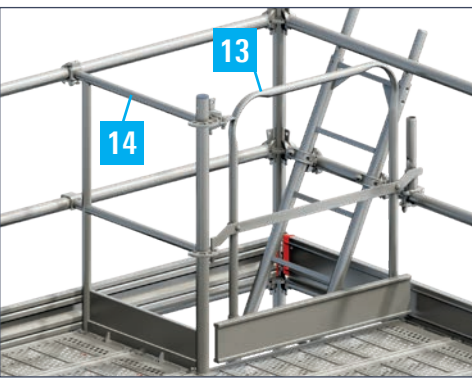
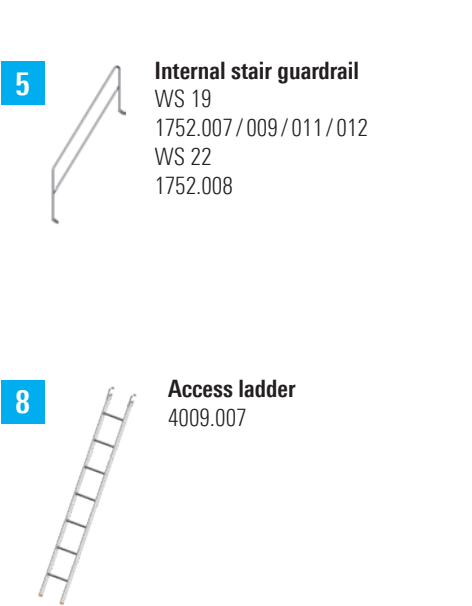
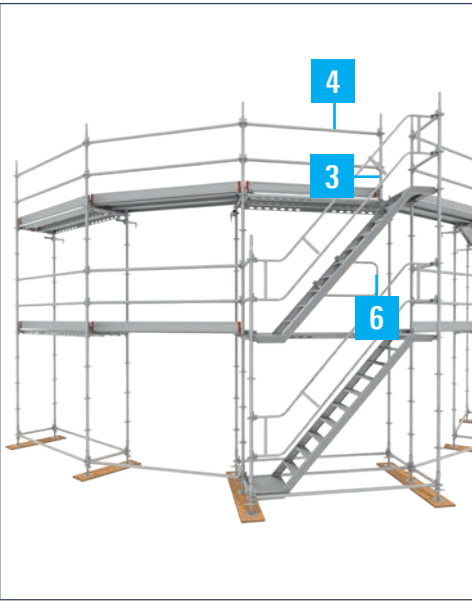
FlexBeam and FW System | Waste incineration plant



Crane-movable tunnel scaffolding | Tunnel repair

SAFER ACCESS

DETAILED SOLUTIONS
FOR INDUSTRIAL SCAFFOLDING CONSTRUCTION



1 O-platform stair, aluminium
2633.257 / 258 / 307
alternatively
O-comfort stair
2635.257 / 258

2 Stair guardrail
2638.257 – 307
2638.251 / 252 / 258 / 308
available with:
U-forks swivelling wedge heads

3 Stair guardrail post
for continuous safeguard around
the top stair level
2638.400

4 O-ledge with wedge-head and half-coupler
for continuous safeguard around the top
stair level
2638.401 / 402

5 Internal stair guardrail
WS 19 1752.007 / 009 / 011 / 012
WS 22 1752.008

6 Stairwell guardrail
WS 19 / 22 1752.004 / 014

7 Scaffolding access ladder
Aluminium 1004.010 / 014 / 017 / 020
Steel 1002.006 / 008 / 012 / 016

8 Access ladder
4009.007

9 Guardrail standard, 1.70 m,
offset
2606.170

10 Ladder holder for external access
0737.309

11 O-access deck T9, aluminium
0.61 m wide 3871.157 / 207

12 O-access deck, aluminium, 1.00 m
0.61 m wide 3871.100

13 Swing door with aluminium toe board,
adjustable
0.73 m wide 2627.011
1.00 m wide 2627.012

14 Side protection for ladder
access, 0.75 m wide
WS 19 2627.017
WS 22 2627.015

15 O-steel deck LW
0.32 m wide 3890.073 – 307
0.19 m wide 3863.073 – 307

16 Steel cover plate 320
0.32 m wide 3881.000 – 005

17 Bracket brace
2631.205

18 O-corner deck, 0.32x0.32 m
0732.105

19 Protective base for
base plate
4007.005

20 Allround rosette cover
with connected ledger
4007.001

Half-coupler with toe board pin
WS 19 / 22 4708.019 / 022

Base plate, swivelling
4003.000

Wedge head coupler LW, double
2629.000

Rosette, clampable
WS 19 / 22 2602.019 / 022

Clamping coupler for I-beam
WS 19 / 22 4716.019 / 022

Clamping half-coupler for I-beam
WS 19 / 22 4750.019 / 022

Clamping plate for I-beam
70 – 210 mm resp.
190 – 330 mm
4015.210 / 211

Half-coupler with plate
2628.001

Wedge head coupler LW, rotating
WS 19 / 22 2629.019 / 022

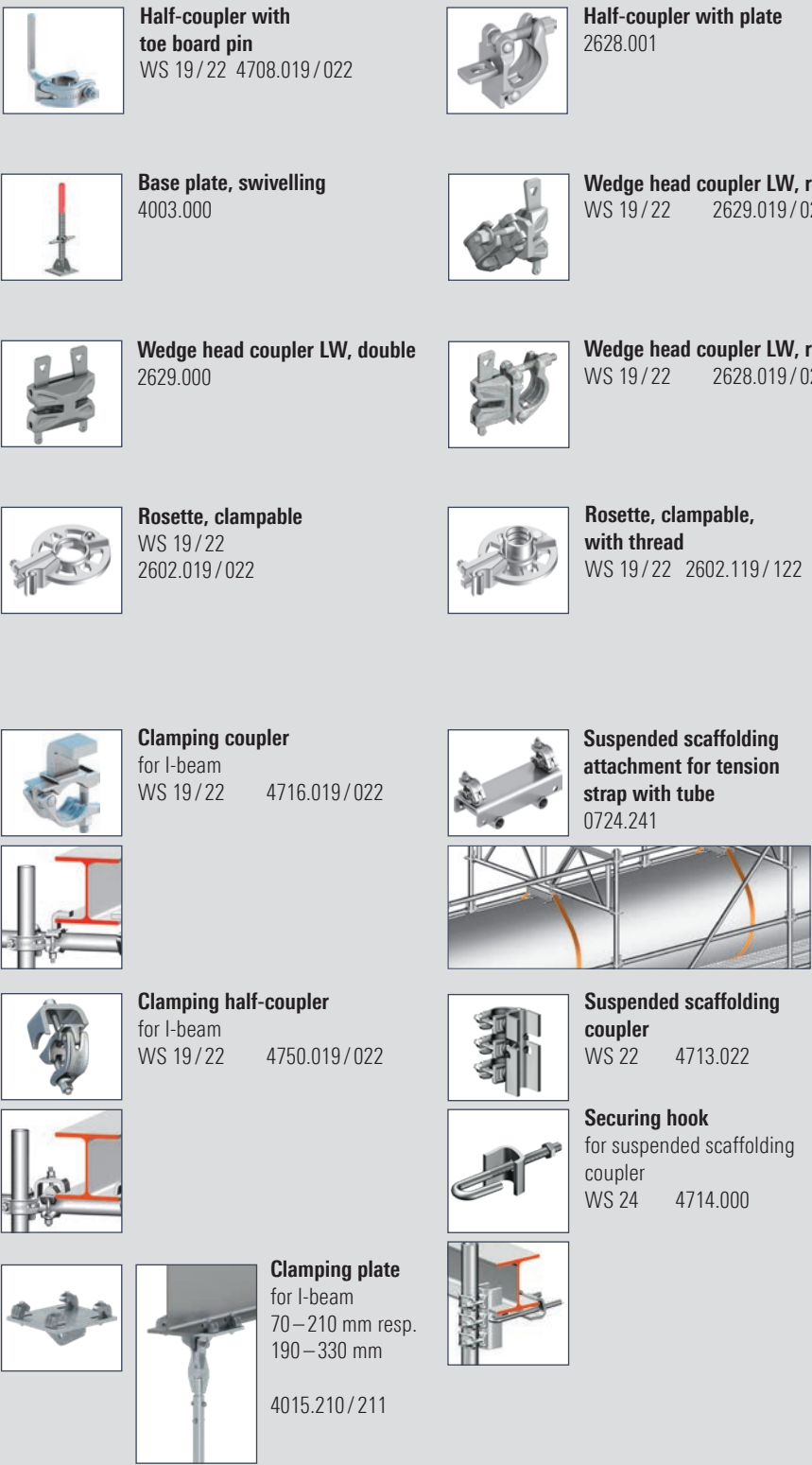
Wedge head coupler LW, rigid
WS 19 / 22 2628.019 / 022

Rosette, clampable, with thread
WS 19 / 22 2602.119 / 122

Suspended scaffolding attachment for tension strap with tube
0724.241

Suspended scaffolding coupler
WS 22 4713.022

Securing hook for suspended scaffolding coupler
WS 24 4714.000



Securing screw, long (red) for steel planks and short (blue) for cover plate
WS 19 3800.009
WS 22 3800.010
WS 19 3800.011
WS 22 3800.012

O-aluminium deck, adjustable
1.57 – 2.57 m 0723.281

O-ledge 110 LW
0.11 m wide, 0.73 – 2.57 m
2675.074 – 258

O-deck 110
0.11 m wide, with wedge heads
0.73 – 3.07 m 07xx.xxx

Guardrail, adjustable
1.09 – 1.57 m 2606.001
1.57 – 2.57 m 2606.000

O-ledge
Steel deck – O-ledge
0.32 / 0.64 / 0.96 m
2614.032 / 064 / 096

O-Aluminium access deck
0.50 m wide, 2.07 m long
0734.983

O-steel deck 45°
0.73 m 0731.096

Steel plank
0.20 m wide 3878.100 – 250
0.30 m wide 3880.100 – 250

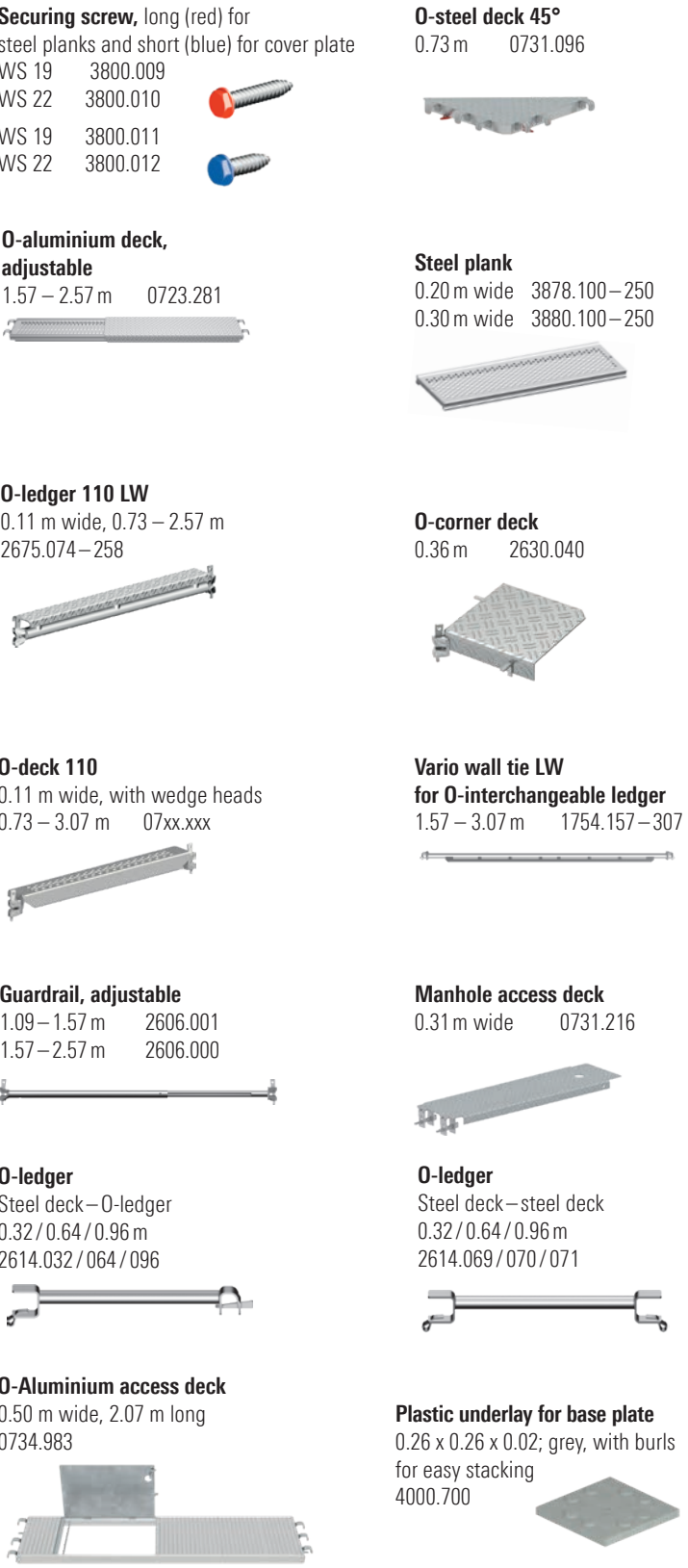
O-corner deck
0.36 m 2630.040

Vario wall tie LW for O-interchangeable ledger
1.57 – 3.07 m 1754.157 – 307

Manhole access deck
0.31 m wide 0731.216

O-ledge
Steel deck – steel deck
0.32 / 0.64 / 0.96 m
2614.069 / 070 / 071

Plastic underlay for base plate
0.26 x 0.26 x 0.02; grey, with burls
for easy stacking
4000.700



Steel cover plate on steel deck with blue securing screw

Red securing screw when steel plank is used

Corner construction on the inside (Ref. No. 2630.040)

Vario wall tie LW for O-interchangeable ledger in installed state (Ref. No. 1754.157 – 307)

Manhole access deck in installed state (Ref. No. 0731.216)

O-ledge steel deck – steel deck in installed state (Ref. No. 2614.069 / 070 / 071)

