

LAYHER ACCESS TECHNOLOGY CATALOGUE 2020/2021



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Quality management
certified according
to DIN EN ISO 9001





LADDERS

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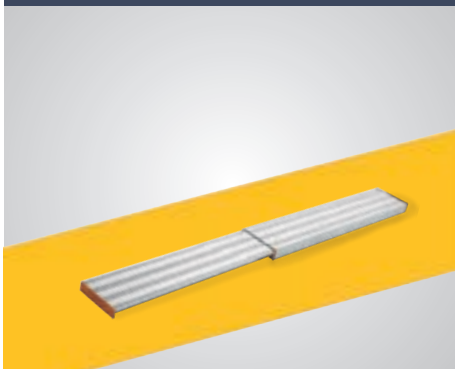
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NOTICE

All dimensions and weights are guideline values.

Component weights are subject to fluctuations due to tolerances and may therefore diverge from what is specified. Subject to technical modification.

Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. These include the following provisions:

- ▶ The place of performance is Gueglingen-Eibensbach.
- ▶ Title to the delivered goods shall be retained until full payment has been made.

The fully GTC you can find here: [gtc.layher.com](https://www.gtc.layher.com)

Steel components are hot-dip galvanized according to EN ISO 1461 and DAST guideline 022.

Connection parts or other small pieces can be galvanized according to EN ISO 4042.

Please request the specific instructions for assembly and use when ordering. Protected by copyright. Not to be reproduced, either in whole or in part. Misprints and errors excepted.

MADE IN GERMANY – MADE BY LAYHER



Headquarters in Eibensbach



Plant 2 in Gueglingen

QUALITY MADE IN GERMANY.

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. Proximity to development, logistics and administration creates benefits to our customers around the world: short ways, short response times, controlled quality and manufacturing. The production can be adapted to the requirements at short notice and to the needs of the customers.

SIMPLY SAFE. THE ACCESS TECHNOLOGY.

This brand promise made by Layher is the expression of a brand philosophy that we've been living by for over 75 years. Quality assurance, future-proofing, delivery-securing, operational safety and long-lasting partnership are advantages that can be used to extend or increase your business opportunities and success in the long term. With comprehensive services, a permanent range of training courses and an ethos of customer focus, more than 1,900 dedicated Layher employees are creating more possibilities for our customers every single day. In 42 countries all over the world.

SUSTAINABILITY AT LAYHER.

We've long been acting with a clear focus, with a view to both economic and ecological sustainability in all our process steps. Social responsibility towards employees, clients and society as a whole are at the very centre of this. We're a dependable employer, active in protecting our resources. The sparing use of work materials as a feature of our sustainable approach is fundamental to how we see ourselves: we already take care to ensure sustainable building methods when planning a new production facility, for example by greening the roofs or using photovoltaic systems. We also value locations that are close by, avoiding unnecessary CO₂ emissions due to long traffic routes. The topic of sustainability is firmly embedded in Layher's organisational structure thanks to its energy management team. Their work has paid off in particular in the form of DIN EN ISO 50001 certification.



Discover the world of Layher in its company film at:
yt-image-en.layher.com





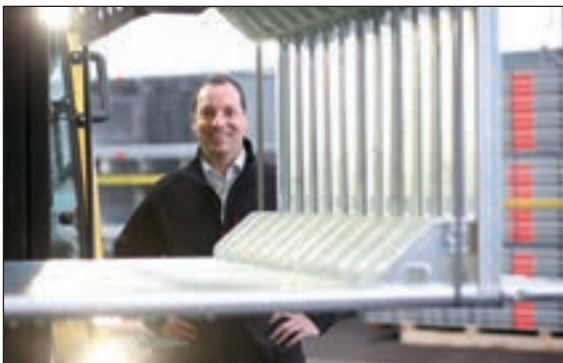
MORE SPEED

High level of material availability, effective delivery service and quick assembly and dismantling of the scaffolding systems thanks to 100% fitting accuracy.



MORE SAFETY

Outstanding quality and precision coupled with a long service life – confirmed internationally through independent certifications, inspections and approvals. Continuity and long-term partnership.



MORE PROXIMITY

Comprehensive personal consultation and close-knit delivery network. Global presence through our own subsidiaries. Family-owned company that works closely with its customers.



MORE SIMPLICITY

Economical scaffolding systems that have been proven in practice, available with an extensive product range. Cross-system combinations for versatile use. Rapid decision making thanks to efficient structures and processes.



MORE FUTURE

Thanks to permanent product innovations and the improvement of existing parts. By opening up new areas of business. With an integrated system to ensure high profitability and retention of investment value. Through an extensive range of training opportunities and seminars to ensure that customers are always right up-to-date with the latest technical and commercial developments.

LAYHER LADDERS

THE QUALITY IS IN THE DETAILS



Plastic-sheathed steel joints

- ▶ Play-free screw connection for long life.



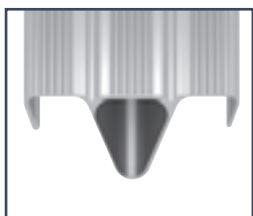
Stile section

- ▶ Torsion stiff stile section for high loads at low weight.
- ▶ Beading along the outer stile face prevents damage to the rung flanges, for example when they are slid over the edges of the truck loading area.



Quadruple folding

- ▶ Increased contact area by rung folding on the inner stile face.
- ▶ Higher forces can be transmitted.
- ▶ Optimal stile-rung-connection.



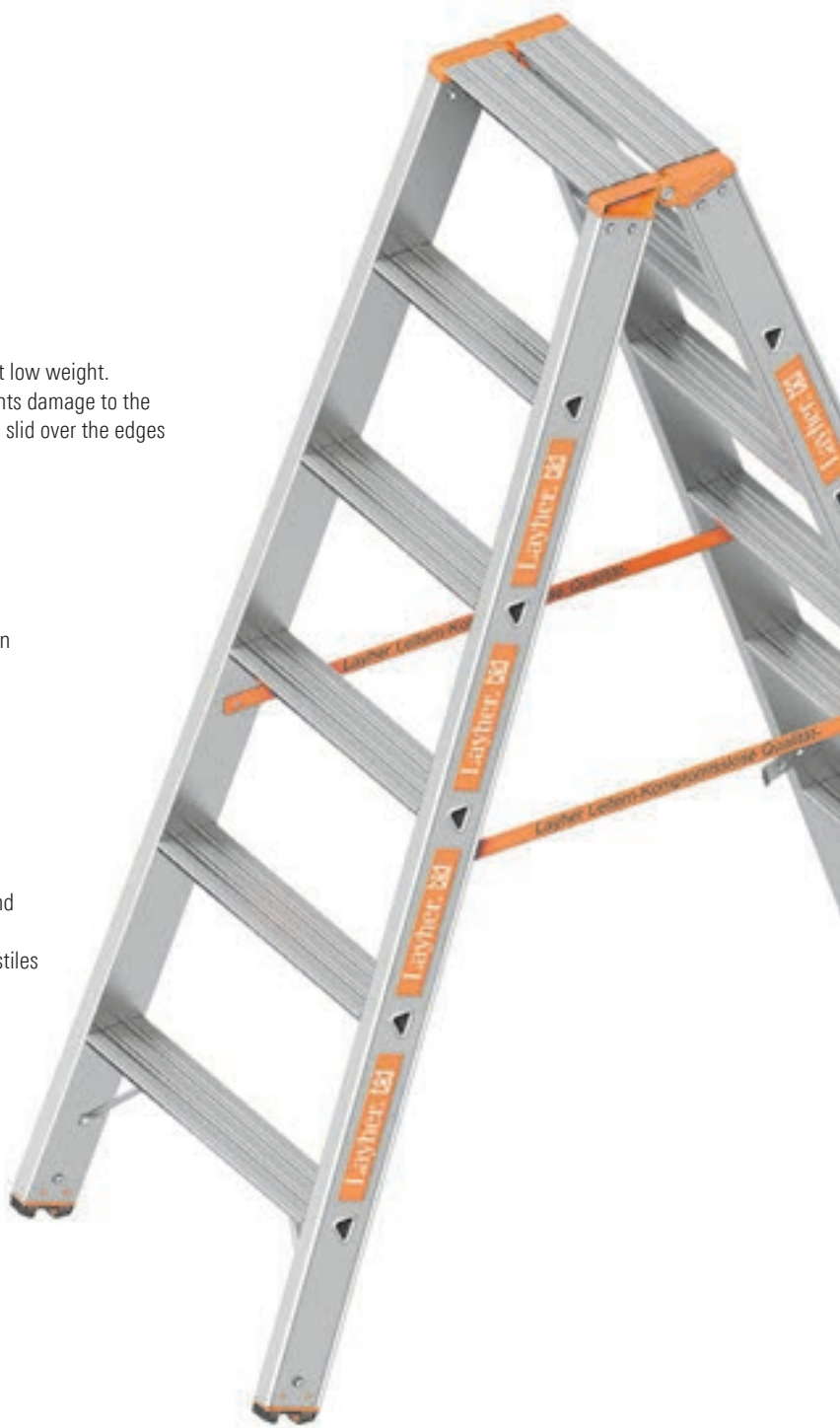
Triangular profile and grooving

- ▶ Sure footing by heavily grooved rungs and steps.
- ▶ Increased turning protection within the stiles thanks to triangular rung shape.



Combigrrip ladder foot

- ▶ Optimal hold with good slipping prevention.
- ▶ Easy and fast retrofitting of ladder cross-pieces for single ladders.



The load-bearing capacity of Layher Ladders is always 150 kg – if nothing different is mentioned.

With Layher ladders you don't just get the statutory warranty, but benefit from a 5-year Layher warranty. It covers material and workmanship flaws in all aluminium and steel parts. It starts from the purchase date of the product, as printed on your receipt.

The claims arising from this warranty will be processed at the location of one of our many branches or delivery warehouses in Germany or at our headquarters.

Documented safety: Layher products can be measured by these quality and safety standards:



REQUIREMENTS OF THE DIN EN 131

DIN EN 131-1

With effect from 1 January 2018, extensive amendments to the standard will come into force for ladders used in the commercial field as simple ladders and will require a cross-piece for simple ladders with a length of 3 metres and above. This also includes multi-function ladders usable as simple ladders. The width of the cross-piece is proportionate to the ladder length and to the external width of the ladder, widening as the ladder length increases.

What does that mean for dealers? As a general principle your warehouse stocks are protected. You can still sell the ladders you purchased prior to 1 January 2018 without cross-pieces.

- ▶ Layher recommends however that simple ladders be immediately modified to comply with the current standard in accordance with DIN EN 131-1.

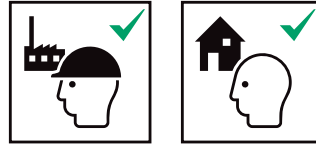
What does that mean for end users? Commercial users can use their simple ladders without cross-pieces until the next scheduled ladder inspection. After that, the ladders must be upgraded to conform to the new standard (i.e. with cross-pieces).

- ▶ Layher ladders are, thanks to the Combigrip ladder foot, simple to equip with cross-pieces so that they conform to the valid standard.

DIN EN 131-2

All ladders will be categorised as commercial-use or private-use-only ladders. This categorisation is based on a differing basic load during individual tests on the ladders (2250 N to 2700 N). Furthermore, 'durability test for double ladders', 'slip resistance test on floors for simple ladders', 'stability test of simple ladders with lateral stabilisation devices' and 'twisting test for simple ladders' have been added. The purpose of these additional tests is to improve the stability and safety of the products when in use. Ladders approved for commercial use may be used in private households too.

What does that mean for dealers? When selling the ladders, the intended use (private or commercial purposes) must be borne in mind. The approved application is identified by the following pictograms.



- ▶ All Layher ladders meet, without exception, the requirements for commercial use and hence also for private use.

What does that mean for end users? In the commercial field, only ladders approved for that purpose and identified by appropriate pictograms may be used.

- ▶ All Layher ladders meet, without exception, the requirements for commercial use and hence also for private use.

DIN EN 131-3

Since September 1, 2018 user information (instructions for assembly and use) must be supplied in printed form with every ladder. The label must now show the precisely specified DIN pictograms.

What does that mean for dealers? Since September 1, 2018 instructions for assembly and use must be supplied with every ladder sold. This must be forwarded by the dealer to the customer.

- ▶ Layher will implement this requirement starting on the date specified to do so. Instructions for assembly and use will then be enclosed ex works in the ladder packaging. Alternatively, they can be downloaded for printout in the 'Mediathek' at downloads.layher.com free of charge.

What does that mean for end users? The instructions for assembly and use must be kept to hand during use of the ladder.

LADDER EXAMINATION

- ▶ Every Layher ladder will be examined before leaving the plant.
- ▶ Please note the date the next examination on the ladder label (depending on the quantity of uses).
- ▶ Layher recommends an annual examination.
- ▶ The examination must be documented and archived and must be performed by a qualified person.

SAFETY INCLUDED – WE GLADLY SUPPORT YOU

You will find the right ladder control book as well as further information and our instructions for assembly and use at www.layher.com. If you do not want to check yourself, contact one of our competent specialist retailers with confidence. On the above mentioned website you will find the competent contact person in your area.

Single ladder wide TOPIC 1054

The wide single ladder for even more comfortable standing – increased stability and improved lateral stability. Slip-resistant plastic shoes for sure footing.

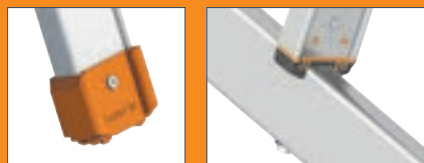
Clear width: **390 mm**
Outer width: **450 mm**
Rung spacing: **280 mm**
Cross-piece width (from 12 rungs): **1130 mm**



TIP:

With the Layher Combigrip ladder foot, you automatically comply with the new requirements of DIN EN 131-1, which will specify a cross-piece for simple ladders of 3 metres and more length. The Layher Combigrip ladder foot can be quickly and easily retrofitted in TOPIC ladders of earlier generations.

Retrofit kits see page 24.

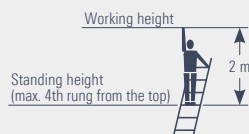


TOPIC 1054

Length [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
1.75	6	0.70	64	4.0	1054.006	
2.30	8	1.25	64	5.0	1054.008	
2.85	10	1.80	64	6.0	1054.010	
3.50	12	2.40	64	9.5	1054.012	ⓘ
4.05	14	2.90	64	11.0	1054.014	ⓘ
4.65	16	3.45	64	12.5	1054.016	ⓘ
5.20	18	3.95	76	13.5	1054.018	ⓘ
5.75	20	4.50	76	15.5	1054.020	ⓘ
6.30	22	5.00	76	16.5	1054.022	ⓘ
6.85	24	5.55	100	18.0	1054.024	ⓘ



Ladders, highlighted with ⓘ will be delivered ex works with cross-piece.



Suitable accessories



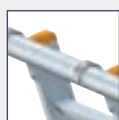
Suspended platform



Spike



Gutter holder



Suspension hook

Other accessories can be found on page 23.

Single step ladder TOPIC 1042

Single ladder with steps for a wider standing area. Easy to use, maximum safety thanks to slip-resistant plastic shoes.



Clear width: **390 mm**
Outer width: **450 mm**
Step spacing: **250 mm**
Step width: **80 mm**
Stile height: **76 mm**
Cross-piece width (from 12 rungs): **1130 mm**

TIP:

With the Layher Combigrip ladder foot, you automatically comply with the new requirements of DIN EN 131-1, which will specify a cross-piece for simple ladders of 3 metres and more length. The Layher Combigrip ladder foot can be quickly and easily retrofitted in TOPIC ladders of earlier generations.

Retrofit kits see page 24.

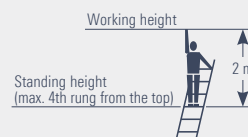


TOPIC 1042

Length [m]	Number of rungs	Standing height [m]	Max. load [kg]	Weight approx. [kg]	Ref. No.	
1.65	6	0.65	250	5.0	1042.006	ⓘ
1.90	7	0.90	250	5.6	1042.007	ⓘ
2.15	8	1.10	250	6.2	1042.008	ⓘ
2.40	9	1.35	250	7.0	1042.009	ⓘ
2.65	10	1.60	250	7.6	1042.010	ⓘ
3.25	12	2.15	250	12.4	1042.012	ⓘ ⓘ
3.50	13	2.40	250	12.9	1042.013	ⓘ ⓘ
3.70	14	2.60	250	13.4	1042.014	ⓘ ⓘ
4.00	15	2.85	250	13.9	1042.015	ⓘ ⓘ
4.20	16	3.10	225	14.3	1042.016	ⓘ ⓘ
4.50	17	3.35	225	14.8	1042.017	ⓘ ⓘ
4.75	18	3.60	225	15.3	1042.018	ⓘ ⓘ



Ladders, highlighted with ⓘ will be delivered ex works with cross-piece.



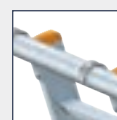
Suitable accessories



Spike



Gutter holder



Suspension hook



Cross-piece castors

Other accessories can be found on page 23.

Truck ladder 1060

Ultra-light simple ladder made of aluminium. Ideal for accessing the truck loading surface.

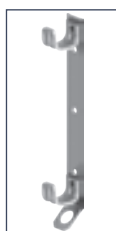
Optimum stability and functionality from soft rubber shoes around the stile ends. This means that the ladder is suitable not only for access to the loading surface, but also for leaning up against the cab to clean its windscreen without damaging the vehicle paintwork.

Clear width: **300 mm**
Outer width: **350 mm**
Rung spacing: **280 mm**

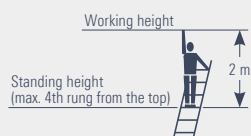


Truck ladder 1060

Length [m]	Number of rungs	Standing height [m]	Weight approx. [kg]	Ref. No.
2.10	7	1.05	3.3	1060.007



A matching holder is available for optimum attachment of truck ladder 1060 to the vehicle.
Ref. No. 1060.001



Wooden single ladder 1052

The wooden single ladder is a simple, sturdy yet high-quality ladder. The stiles are made of solid red pine. The rungs are made from sturdy beechwood.

Thanks to the special square-section studs and a special gluing process, a durable and permanent connection between stile and rung is achieved.

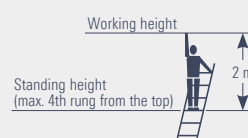


Clear width: **350 mm**
Outer width: **400 mm**
Rung spacing: **280 mm**



Wooden single ladder 1052

Length [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.
1.90	6	0.80	65	5.5	1052.206
2.45	8	1.35	65	7.5	1052.208
2.99	10	1.85	65	9.5	1052.210



Suitable accessories



Ladder shoe for wooden ladder



Wood stile extension set EasyFix

Other accessories can be found on page 23.

Wooden single ladder for builders 1036

The classic wooden single ladder is ideal for many applications, e.g. rugged use on construction sites.

Stiles and rungs made of narrow-ringed spruce.

Clear width: min. **305 mm**, max. **375 mm**

Outer width at top: **375 mm**

Rung spacing: **280 mm**

Due to its conical design with pointed bar ends, the builder's ladder 1036 corresponds to the DIN 4567-3 and is therefore not subject to cross-piece obligation according to DIN EN 131.



Combination single ladder 1029

The classic single ladder has remarkable weight advantages thanks to the aluminium rungs which are suitable for regular and continuous use. Ideal for electricians and craftsmen as the ladder is electrically non-conductive. Information on the insulation resistance, in accordance with **VDE 0100**, is available.

Clear width: **300 mm**

Outer width: **350 mm**

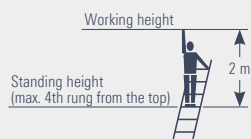
Rung spacing: **280 mm**

From a length of 3 m the ladder 1029 does not correspond to the newest version of the DIN EN 131.



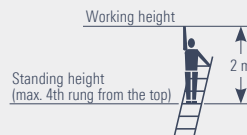
Wooden single ladder for builders 1036

Length [m]	Number of rungs	Standing height [m]	Stile height [mm]	Outer width at bottom [mm]	Weight approx. [kg]	Ref. No.
3.00	10	1.85	85	430	11.9	1036.010
4.00	14	2.90	90	450	16.6	1036.014
5.00	17	3.70	95	470	20.2	1036.017
6.00	21	4.75	100	490	25.0	1036.021



Combination single ladder 1029

Length [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.
2.40	8	1.30	75	5.8	1029.008
2.95	10	1.85	75	6.8	1029.010
3.50	12	2.40	75	8.6	1029.012
4.05	14	2.90	75	9.6	1029.014
4.35	15	3.15	75	10.2	1029.015
4.90	17	3.70	75	11.8	1029.017



Suitable accessories



Suspended platform



Ladder wall mounting

Other accessories can be found on page 23.

Extension ladder

TOPIC 1035

Two-part extension ladder for greater heights, with short transport and storage dimensions. Manual length adjustment rung by rung using engaging hook, secured against lifting out and sliding out of position on transport and use.

Clear width: **300/375 mm**

Outer width: **355/435 mm**

Rung spacing: **280 mm**

Cross-piece width: **890 mm** (to 10 rungs)
1360 mm (from 12 rungs)

The TOPIC 1035 can optionally be equipped with rollers.

See page 22+23..

TIP:

With the Layher Combigrip ladder foot, you automatically comply with the new requirements of DIN EN 131-1, which will specify a cross-piece for simple ladders of 3 metres and more length. The Layher Combigrip ladder foot can be quickly and easily retrofitted in TOPIC ladders of earlier generations. Retrofit kits see page 24.



Rope extension ladder

TOPIC 1037

For great heights. Always achieve the right working height thanks to rung-by-rung extension. Easy to use rope control, long-life plastic rope, releasing, lowering and securing with automatic drop catch. Rollers with rubber tyre to prevent damage when running up and down walls.



Clear width: **300/375 mm**

Outer width: **355/435 mm**

Rung spacing: **280 mm**

Cross-piece width: **1360 mm**

TIP:

With the Layher Combigrip ladder foot, you automatically comply with the new requirements of DIN EN 131-1, which will specify a cross-piece for simple ladders of 3 metres and more length. The Layher Combigrip ladder foot can be quickly and easily retrofitted in TOPIC ladders of earlier generations. Retrofit kits see page 24.

**TOPIC 1037**

Length extend. [m]	Length contr. [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
7.15	4.10	2 x 14	5.80	100v	23.6	1037.014	①
8.30	4.65	2 x 16	6.85	100v	26.2	1037.016	①
9.10	5.20	2 x 18	7.60	100v	31.0	1037.018	①
10.25	5.75	2 x 20	8.70	100v	34.4	1037.020	①
11.35	6.30	2 x 22	9.75	100v	37.6	1037.022	①



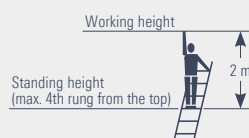
Ladders, highlighted with ① will be delivered ex works with cross-piece.

TOPIC 1035

Length extend. [m]	Length contr. [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
2.85	1.75	2 x 6	1.80	64	7.6	1035.006	
3.80	2.30	2 x 8	2.65	64	12.5	1035.008	①
4.80	2.85	2 x 10	3.70	76	14.6	1035.010	①
5.95	3.40	2 x 12	4.75	76	18.4	1035.012	①
7.05	4.00	2 x 14	5.85	100v	22.2	1035.014	①
8.00	4.55	2 x 16	6.60	100v	24.6	1035.016	①
9.10	5.10	2 x 18	7.65	100v	28.8	1035.018	①



Ladders, highlighted with ① will be delivered ex works with cross-piece.



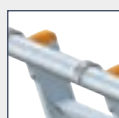
Suitable accessories



Suspended platform



Cross-piece castors

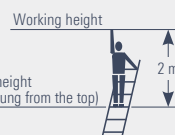


Suspension hook



Wall bracket

Other accessories can be found on page 23.



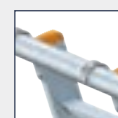
Suitable accessories



Suspended platform



Cross-piece castors



Suspension hook



Wall bracket

Other accessories can be found on page 23.

Double rung ladder **TOPIC 1039**



The traditional double ladder with a wide range of safety features:

Plastic-sheathed steel hinges, tear-proof polyester straps to prevent over-spreading, slip-resistant plastic shoes.

Additional stiffeners at the end of the stile ensure that the values specified in DIN EN 131 are bettered.

The **TOPIC 1039** is also available with chain as protection against over-spreading.

Rung spacing: **280 mm**

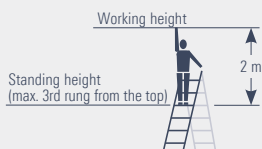
Stile height: **64 mm** (to 14 rungs)

76 mm (to 16 rungs)



TOPIC 1039

Length [m]	Standing height [m]	Number of rungs	Outer width at bottom [mm]	Projection [m]	Weight approx. [kg]	Ref. No.
1.30	0.55	4	0.48	1.00	6.0	1039.004
1.55	0.80	5	0.51	1.20	6.8	1039.005
1.85	1.05	6	0.54	1.40	8.0	1039.006
2.10	1.30	7	0.57	1.60	9.2	1039.007
2.40	1.60	8	0.60	1.75	10.4	1039.008
2.70	1.85	9	0.62	1.95	12.0	1039.009
2.95	2.10	10	0.66	2.15	13.2	1039.010
3.50	2.65	12	0.72	2.55	16.0	1039.012
4.10	3.15	14	0.78	2.90	18.8	1039.014
4.65	3.70	16	0.84	3.30	24.9	1039.016
5.20	4.20	18	0.90	3.70	30.1	1039.018



Suitable accessories



Suspended platform



Spike



Suspended bag with hook



TOPIC Box

Other accessories can be found on page 23.

Stairway double ladder **TOPIC 1061**



The professional solution not just for stairways. With the stairway double ladder, level equalization on uneven surfaces or stairways is no problem. The sturdy design and well thought-out details ensure optimum handling.

The stile extensions permanently attached to the ladder are quick to lock and easy to use thanks to rotary knobs fitted on the inside of the stile.

The stile extensions have an adjustment range of 40 cm on one side and of 102 cm on the other side.

Rung spacing: **280 mm**

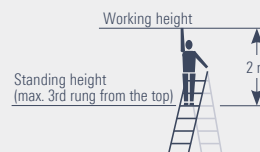
Stile height: **64 mm**



TOPIC 1061

Length [m]	Standing height [m]	Number of rungs	Outer width at bottom [mm]	Projection [m]	Weight approx. [kg]	Ref. No.
1.55	0.80	5	0.51	1.20	12.3	1061.005
1.85	1.05	6	0.54	1.40	13.5	1061.006
2.10	1.30	7	0.57	1.60	14.7	1061.007
2.40	1.60	8	0.60	1.75	15.9	1061.008

* with stiles not extended



Suitable accessories



Suspended platform



Insert hook



Suspended bag with hook



TOPIC Box

Other accessories can be found on page 23.

Wooden double ladder with steps **NEW** 1020

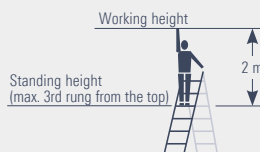
The classic craftsman's ladder. With 80 mm wide steps, access from either side and complete with tool bag, over-spreading prevented by 2 polyester straps, adjustable clamping pins, sturdily designed and galvanized steel hinges with bucket hook, metal catch at bottom of ladder to secure it during transport. Stiles of solid red pine. Rungs made of sturdy beechwood. Thanks to the special square-section studs and a special gluing process, a durable and permanent connection between stile and rung is achieved.

Step spacing: **250 mm**
Step width: **80 mm**
Stile height: **76 mm**



Wooden double ladder with steps 1020

Length [m]	Standing height [m]	Number of steps	Stile height [mm]	Outer width at bottom [mm]	Weight approx. [kg]	Ref. No.
1.12	0.50	4	70	0.50	7.7	1020.004
1.37	0.74	5	70	0.53	9.6	1020.005
1.62	0.98	6	70	0.56	11.6	1020.006
1.87	1.22	7	70	0.58	13.6	1020.007
2.12	1.46	8	70	0.61	15.7	1020.008
2.38	1.70	9	70	0.64	17.8	1020.009
2.62	1.94	10	70	0.66	20.0	1020.010



Suitable accessories



Ladder shoe for wooden ladder



Wood stile extension set EasyFix

Other accessories can be found on page 23.

YOUR BENEFITS AT A GLANCE

- ▶ Steps made of solid and high-grade beech.
- ▶ 80 mm deep and grooved steps for a sure footing.
- ▶ Access from either side.
- ▶ Sturdily designed and galvanised steel hinges with integrated bucket hook.
- ▶ Integrated tool bag at the top of the ladder.
- ▶ Over-spreading prevented by two tear-proof polyester straps.
- ▶ Wooden transport safeguard on the ladder foot.
- ▶ Step spacing 250 mm
- ▶ Max. perm. load 150 kg

Wooden double ladder 1038

The classic craftsman's ladder. Access from either side and complete with tool bag, over-spreading prevented by 2 polyester straps, adjustable clamping pins, sturdily designed and galvanized steel hinges with bucket hook, metal catch at bottom of ladder to secure it during transport. Stiles of solid red pine. Rungs made of sturdy beechwood. Thanks to the special square-section studs and a special gluing process, a durable and permanent connection between stile and rung is achieved.

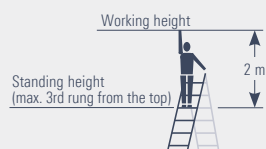


Rung spacing: **280 mm**
Rung dimensions: **44 x 22 mm**



Wooden double ladder 1038

Length [m]	Standing height [m]	Number of rungs	Stile height [mm]	Outer width at bottom [mm]	Weight approx. [kg]	Ref. No.
1.00	0.30	3	65	0.47	5.7	1038.203
1.25	0.55	4	65	0.50	7.4	1038.204
1.50	0.80	5	65	0.53	8.9	1038.205
1.85	1.05	6	65	0.56	10.4	1038.206
2.10	1.30	7	65	0.59	12.5	1038.207
2.35	1.60	8	65	0.62	14.3	1038.208
2.65	1.85	9	65	0.65	15.7	1038.209
2.95	2.10	10	65	0.68	17.5	1038.210
3.50	2.65	12	70	0.74	25.5	1038.212
4.10	3.15	14	70	0.80	30.0	1038.214



Suitable accessories



Suspended platform



Ladder shoe for wooden ladder



Wood stile extension set EasyFix

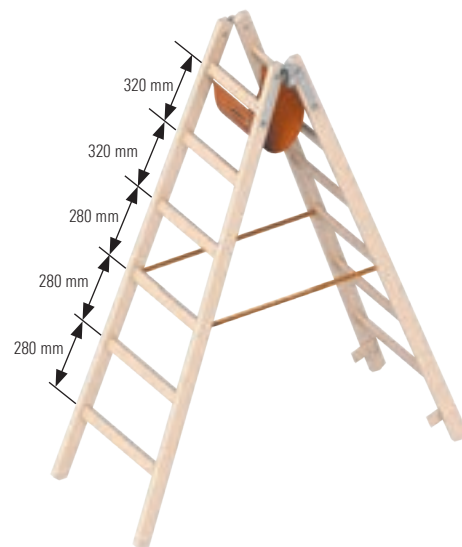
Other accessories can be found on page 23.

Wooden double ladder acc. to Ö-Norm Z1501 1053

The both side accessible wooden ladder for special professional use. It contains ergonomic needs of painters, wallpaperers while long standing on the rungs. The ladders according to the additional Austrian standard Z1501 are made accordingly to EN 131-1 and -2, excepting the two top rung spacings. They are 320 mm for comfortable standing on the ladder.

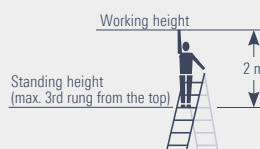
The configuration is the same as the wooden double ladder 1038
Rung spacing: **280 and 320 mm**

AUVA approved



Wooden double ladder 1053 acc. to Ö-Norm

Length [m]	Standing height [m]	Number of rungs	Stile height [mm]	Outer width at bottom [mm]	Weight approx. [kg]	Ref. No.
1.05	0.30	3	65	0.50	6.2	1053.203
1.30	0.55	4	65	0.53	7.4	1053.204
1.60	0.80	5	65	0.56	9.2	1053.205
1.90	1.05	6	65	0.58	10.7	1053.206
2.15	1.30	7	65	0.61	12.8	1053.207
2.45	1.60	8	65	0.64	14.6	1053.208
2.70	1.85	9	65	0.67	16.0	1053.209
3.00	2.10	10	65	0.70	17.8	1053.210
3.30	2.30	11	70	0.73	23.3	1053.211
3.55	2.65	12	70	0.76	25.8	1053.212



Suitable accessories



Ladder shoe for wooden ladder

Other accessories can be found on page 23.

Combination double ladder
1028

The wood / aluminium ladder, tried, tested and praised by craftsmen. Ideal for electricians and craftsmen, as it is not electrically conductive. Information on the insulation resistance, in accordance with **VDE 0100** is available.

Sturdy and torsion-stiff design. Extra-strong steel hinges, tear-proof polyester straps to prevent over-spreading.

Rung spacing: **280 mm**



Combination double ladder 1028

Length [m]	Standing height [m]	Number of rungs	Stile height [mm]	Outer width at bottom [mm]	Weight approx. [kg]	Ref. No.
1.55	0.80	5	75	0.50	7.6	1028.005
1.80	1.05	6	75	0.53	9.0	1028.006
2.10	1.30	7	75	0.56	11.0	1028.007
2.40	1.60	8	75	0.59	12.6	1028.008
2.95	2.10	10	75	0.65	16.0	1028.010
3.50	2.65	12	75	0.71	19.2	1028.012

Working height

Standing height (max. 3rd rung from the top)

2 m

Suitable accessories

Suspended platform

Insert hook

TOPIC Box

Other accessories can be found on page 23.

Double step ladder
TOPIC 1043



The classic double ladder design with comfortable and wide steps. **Plastic-sheathed steel hinges**, angle reinforcements and tear-proof polyester straps are quality features. The two top steps make up a platform.

The TOPIC 1043 is also available with chain as protection against over-spreading.

Step spacing: **250 mm**
Step width: **80 mm**
Stile height: **76 mm**



TOPIC 1043

Length [m]	Standing height [m]	Number of steps	Max. load [kg]	Outer width at bottom [mm]	Weight approx. [kg]	Ref. No.
0.75	0.25	3	250	0.46	5.6	1043.003
1.00	0.50	4	250	0.48	6.8	1043.004
1.25	0.70	5	250	0.51	8.4	1043.005
1.50	0.95	6	200	0.53	9.8	1043.006
1.75	1.20	7	200	0.57	11.4	1043.007
2.00	1.40	8	200	0.60	13.4	1043.008
2.50	1.90	10	150	0.66	16.2	1043.010
3.00	2.40	12	150	0.72	19.8	1043.012

Working height

Standing height (max. 3rd rung from the top)

2 m

Suitable accessories

Insert hook

TOPIC Box

Other accessories can be found on page 23.

Double step ladder with access on one side **TOPIC 1064**



A safer stance at all times from the platform, extended stiles and knee bar shaped as a storage tray. The amply dimensioned platform folds up for transport. Tear-proof polyester straps to prevent over-spreading.

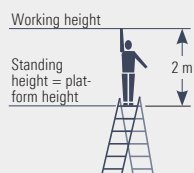
The TOPIC 1064 is also available with chain as protection against over-spreading.

Step spacing: **250 mm**
Step width: **80 mm**
Platform dimensions: **248 x 300 mm**



TOPIC 1064

Length [m]	Standing height [m]	Number of steps	Stile height [mm]	Outer width at bottom [mm]	Weight approx. [kg]	Ref. No.
1.45	0.70	3	76	0.46	6.2	1064.003
1.70	0.95	4	76	0.48	7.0	1064.004
1.95	1.20	5	76	0.51	8.0	1064.005
2.20	1.40	6	76	0.53	9.2	1064.006
2.45	1.65	7	76	0.57	10.4	1064.007
2.70	1.90	8	76	0.60	11.6	1064.008
2.95	2.10	9	76	0.64	13.2	1064.009
3.20	2.35	10	76	0.66	14.0	1064.010
3.70	2.80	12	76	0.72	16.4	1064.012



Suitable accessories



Spike

Other accessories can be found on page 23.

Platform ladder **TOPIC 1074**



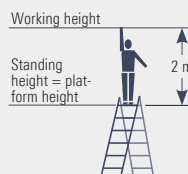
The TOPIC 1074 platform ladder for access from one side is a comfortable aid to doing lengthy work on the ladder. The large 480 x 420 mm platform using a non-slip grooved metal plate ensures a sure footing particularly for lengthy work on the ladder. Handrails fitted to the stile on both sides permit a safer grip when climbing up and down the ladder.

Step spacing: **250 mm**
Step width: **80 mm**
Plattformabmessung: **480 x 420 mm**
Cross-piece width: **890 mm**



TOPIC 1074

Length [m]	Standing height [m]	Stile height [mm]	Number of steps	Projection [m]	Weight approx. [kg]	Ref. No.
2.10	0.90	76	4	0.99	12.0	1074.004
2.40	1.20	76	5	1.14	13.2	1074.005
2.60	1.40	76	6	1.27	14.7	1074.006
2.80	1.60	76	7	1.41	15.6	1074.007
3.10	1.90	76	8	1.55	16.3	1074.008



Suitable accessories



Cross-piece castors



Insert hook



Ladder wall mounting

Other accessories can be found on page 23.

Folding ladder TOPIC 1056

The Layher folding Ladder TOPIC 1056 is the perfect choice if you're using a double ladder that can be turned quickly and easily into a simple ladder. Strong and securely engaging steel joints ensure the required working position. For optimum stability, the Layher folding Ladder is fitted on one side with an 890 mm wide cross-piece.

All-round grooved triangular rungs, quadruple-folded with the stile, ensure comfortable and sure footing at all times.



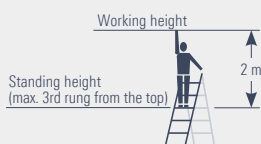
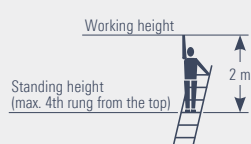
Rung spacing: **280 mm**
Outer width: **395 mm**
Stile height: **64 mm**
Cross-piece width: **890 mm**

Assembly variants



TOPIC 1056

Max. length [m]	Min. length [m]	Standing height double ladders [m]	Standing height single ladders [m]	Number of rungs	Weight approx. [kg]	Ref. No.
2.45	1.25	0.55	1.30	2 x 4	7.8	1056.008
3.60	1.80	1.10	2.35	2 x 6	9.5	1056.012
4.70	2.40	1.60	3.40	2 x 8	11.6	1056.016



Suitable accessories



Suspended platform



Insert hook

Other accessories can be found on page 23.

Car boot ladder TOPIC 1057

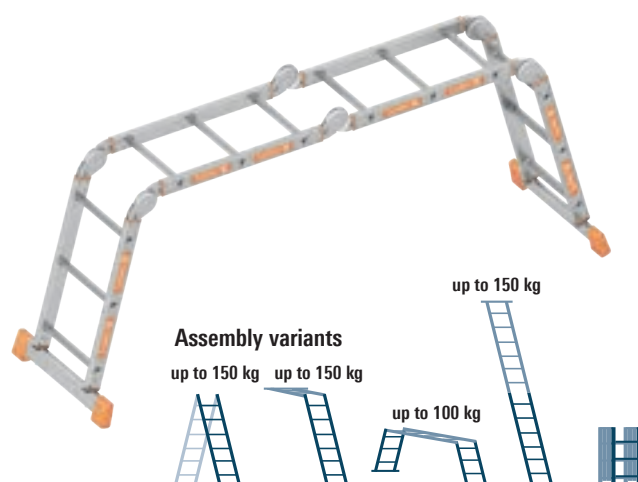
For very low transport and storage dimensions. Very versatile in use. As double ladder, single ladder, single ladder with wall clearance and as working platform (only with deck). Safety joints automatically lock but are released with slight pressure.

1057.112

Stile height: **64 mm**
Rung spacing: **280 mm**
Outer width: **395 mm**
Cross-piece width: **620 mm**
Standing height as working platform: **890 mm**

1057.116

Stile height: **64 mm**
Rung spacing: **280 mm**
Outer width: **395 mm**
Cross-piece width: **890 mm**
Note: The 1057.116 cannot be used as a working platform.



TOPIC 1057

Max. length [m]	Standing height single ladder [m]	Standing height single ladder with wall clearance [m]	Standing height double ladder [m]	Number of rungs	Weight approx. [kg]	Ref. No.
3.45	2.30	1.50	1.00	4 x 3	14.5	1057.112
4.60	3.35	2.55	1.55	4 x 4	16.5	1057.116

Transport/packaging dimensions:

1057.112 0.91 x 0.63 x 0.29 m

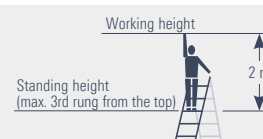
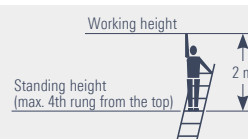
1057.116 1.20 x 0.89 x 0.29 m



Platform for 1057.112

Weight approx. [kg]	Ref. No.
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3.5 1057.100



Suitable accessories



Suspended platform



Insert hook

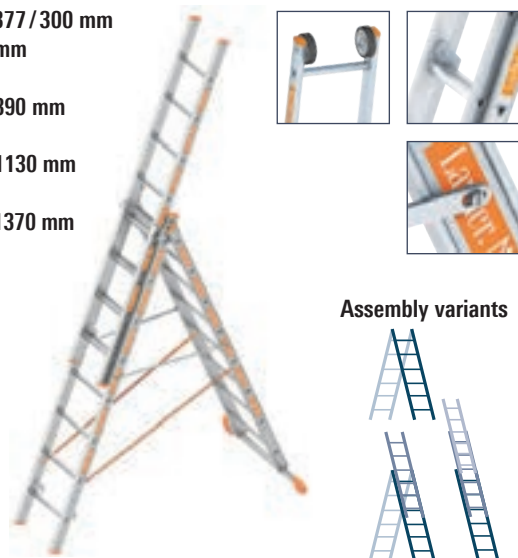
Other accessories can be found on page 23.

All-purpose ladder 3-part TOPIC 1040

Options to use as an extension ladder, single ladder, double ladder or extendable double ladder – all possible thanks to special joints. Safer free standing of ladder thanks to cross-piece. Aluminium stiffener with pushbutton locking. Also the assembly is done within only a few second. Manual length adjustment rung by rung using engaging hook. Secured against lifting out and sliding out of position. Easy handling in all variants. Securing flaps prevent a lateral movement of the ladder pieces while carrying. The TOPIC 1040 can optionally be equipped with rollers. See page 22+23.

Clear width: **454/377/300 mm**
Rung spacing: **280 mm**

Cross-piece width: **890 mm**
with 6 – 8 rungs
Cross-piece width: **1130 mm**
with 10 rungs
Cross-piece width: **1370 mm**
with 12 – 14 rungs

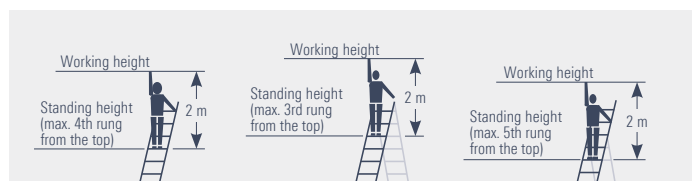


Assembly variants



TOPIC 1040

Max. length [m]	Min. length [m]	Standing height double ladder [m]	Standing height top section extended [m]	Standing height extension ladder [m]	Number of rungs	Stile height [mm]	Weight approx. [kg]	Ref. No.
4.15	1.95	1.05	1.60	2.85	3 x 6	76	15.6	1040.006
5.30	2.50	1.55	2.10	3.90	3 x 8	76	19.5	1040.008
6.95	3.05	2.05	3.15	5.20	3 x 10	76	23.2	1040.010
8.10	3.60	2.55	4.20	6.80	3 x 12	100	31.7	1040.012
9.80	4.15	3.05	5.25	8.35	3 x 14	100	35.5	1040.014



Suitable accessories



Suspended platform



Top rollers



Suspension hook



Wall bracket

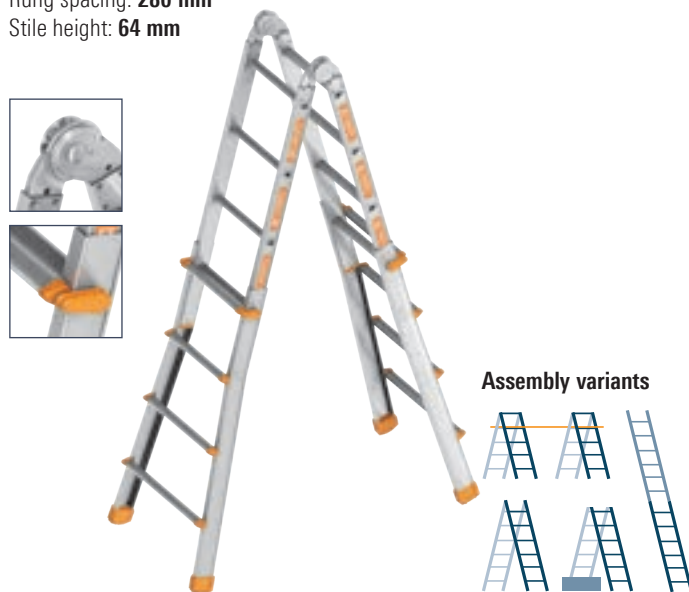
Other accessories can be found on page 23.

Telescopic ladder TOPIC 1058

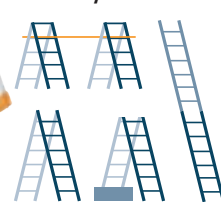
Very versatile in use: as double ladder with variable height adjustment on one side. As a classic single ladder. And as two separate work trestles. Manual length adjustment rung by rung. Sturdy pin joints secure the ladder in the appropriate setting for use.

The standing width of the TOPIC 1058 does not correspond to the latest version of the DIN EN 131

Rung spacing: **280 mm**
Stile height: **64 mm**



Assembly variants



TOPIC 1058

Max. length [m]	Standing height double ladder [m]	Standing height single ladder [m]	Number of rungs	Weight approx. [kg]	Ref. No.
4.15	1.35	3.00	4 x 4	14.0	1058.016
5.25	1.90	4.10	4 x 5	16.7	1058.020
6.40	2.45	5.15	4 x 6	20.5	1058.024

Transport/packaging dimensions:

1058.016: 1.34 x 0.50 x 0.23 m

1058.020: 1.61 x 0.53 x 0.23 m

1058.024: 1.85 x 0.67 x 0.23 m

Stile extension

Usable as stile extension and as a cross-piece.

Max. permissible stile extension: 450 mm

Weight approx. [kg]	Ref. No.
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1.6 1058.001

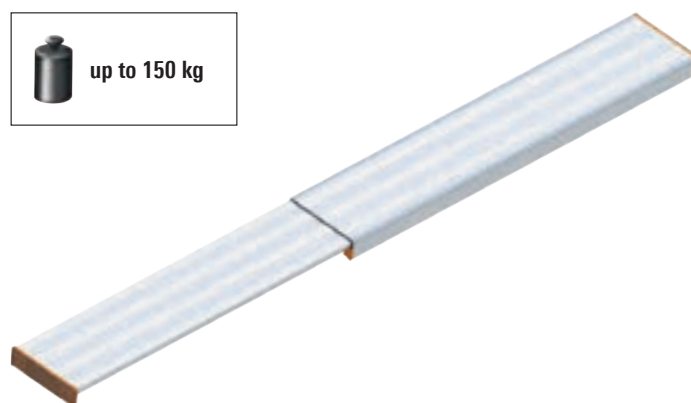


Alu telescopic stage 1351

The Alu telescopic stage offers a wide and variable range of possible applications. For transport, the telescopic stage can be simply pushed together, resulting in low transport dimensions. Since the Alu telescopic stage is extendable, it can be pulled out or pushed together to provide any required length.

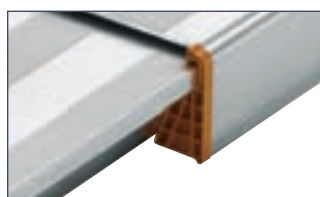
The automatic locking mechanism ensures that the inner extending element cannot slide out by mistake. The supporting structure is made of specially developed and torsion-stiff extruded aluminium sections.

All section ends are provided with plastic caps. They act as sliding elements and provide protection from injury. Thanks to these plastic sliding elements, the effort required to slide the telescopic stage in and out is very low.



Alu telescopic stage 1351

Max. length [m]	Min. length [m]	Width [m]	Height [m]	Weight approx. [kg]	Ref. No.
2,90	1,64	0,31	0,08	13,0	1351.290
3,50	1,92	0,31	0,08	16,0	1351.350
4,00	2,27	0,31	0,08	18,0	1351.400
4,40	2,49	0,31	0,08	20,0	1351.440



Alu heavy-duty step TOPIC 1043.3

The classic step design with comfortable and wide steps.

Plastic-sheathed steel hinges, angle reinforcements and tear-proof polyester straps are quality features. The platform at the top can be footed.

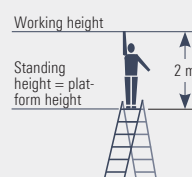


Step spacing: **250 mm**
Step width: **80 mm**
Stile height: **76 mm**
Platform dimensions: **480 mm x 285 mm**



TOPIC 1043.3

Length [m]	Standing height [m]	Number of rungs	Outer width at bottom [mm]	Weight approx. [kg]	Ref. No.
0.90	0.70	3	0.65	8.4	1043.303
1.15	0.95	4	0.65	9.6	1043.304



Work trestle
TOPIC 1047


Aluminium work trestle. Safe access on one side thanks to wide steps. Ideal as a lightweight, simple and small scaffolding for construction work. Folds together for transport.

Step spacing: **250 mm**
Step width: **80 mm**
Width when folded out: **950 mm**

One side with round tubes for suspension of rolling tower deck sections (0.68 m wide) or 2 Alu telescopic stages as working platform.

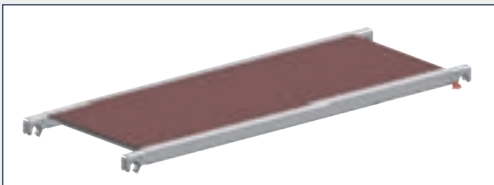


TOPIC 1047

Length [m]	Standing height [m]	Number of rungs	Width when unfolded [m]	Outer width [m]	Weight approx. [kg]	Ref. No.
1.10	0.98	4	76	0.75	9.6	1047.704 



More information about the deck section, see page 90/91.







Machine step
1075

The machine step made of aluminium is a safer and more convenient aid to assembly and maintenance work on machinery, and for access to high shelves in warehouse logistics. The sturdy welded tube design with a large platform to stand on (540 x 310 mm) ensures a safer footing in particular during work over lengthy periods. Wide steps (580 x 225 mm) ensure safer ascents and descents. The platform and the steps are made from a grooved aluminium plate to make them non-slip. The machine step 1075 conforms to European Standard DIN EN 14183-C.



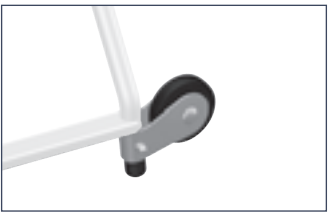
Machine step 1075

Working height [m]	Standing height [m]	Number of rungs	Weight approx. [kg]	Ref. No.
2.40	0.40	2	6.8	1075.002 
2.60	0.60	3	10.0	1075.003 
2.80	0.80	4	13.5	1075.004 
2.99	0.99	5	17.2	1075.005 

Castors for machine step

Thanks to the optional castors, the machine Step 1075 can be moved horizontally from place to place both quickly and ergonomically. The castors can be fitted in a quick operation by the user to all length versions.

Weight approx. [kg]	Ref. No.
0.5	1016.751



Folding wooden steps 1055

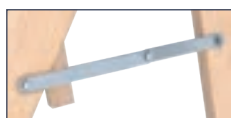
Steps with access on one side for fitting and servicing work. Ideal for plasterers, drywall installers and painters. Amply sized standing surface and wide steps for safer and comfortable working. For ease of transport, a practical grip hole has been cut out from the standing surface. Protection against over-spreading made of galvanized steel. Stiles made of narrow-ringed yellow pine. Grooved steps made of sturdy beechwood.

Step spacing: **22 mm**

Step width: **110 mm**

Platform dimension: **215 x 565 mm**

Outer width: **565 mm**



Folding wooden steps 1055

Length [m]	Standing height [m]	Number of rungs	Width when unfolded [m]	Outer width [m]	Weight approx. [kg]	Ref. No.
0.75	0.65	3	0.70	0.65	6.8	1055.003
1.00	0.85	4	0.85	0.65	8.5	1055.004



Wallpaperer's trestle 1045

The sturdy structure for the professional user. Sturdy, galvanized steel hinges. Stiles made of pine wood and rungs made of solid beechwood.

Support strip: **650 mm**



Wallpaperer's trestle 1045

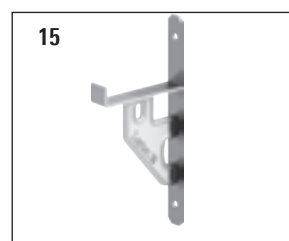
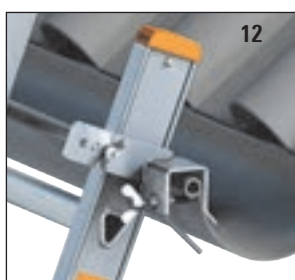
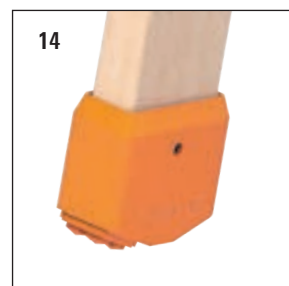
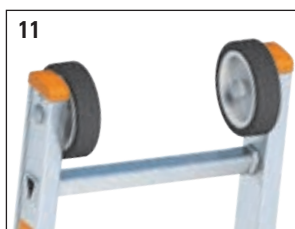
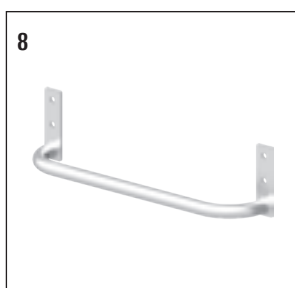
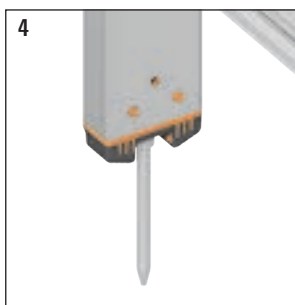
Length [m]	Number of rungs	Width when unfolded [m]	Outer width [m]	Support height [m]	Weight approx. [kg]	Ref. No.
0.85	2	0.75	0.60	0.80	4.4	1045.202
1.00	3	0.80	0.60	0.95	5.2	1045.203

Suitable accessories



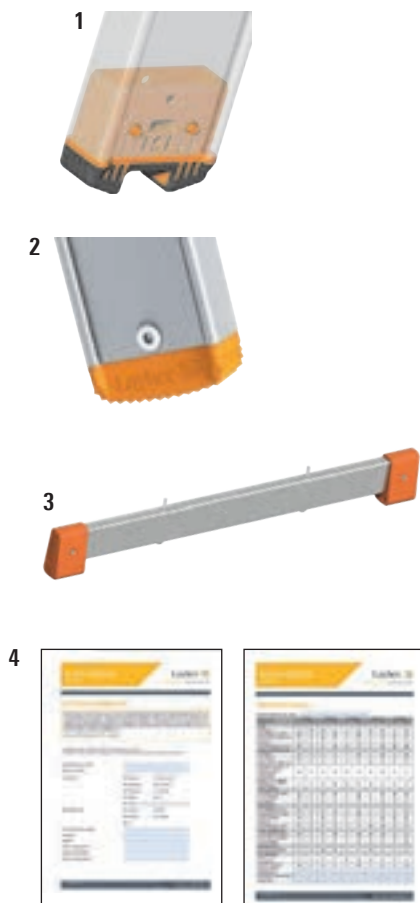
Ladder shoe
for wooden ladder

Other accessories can be found on page 23.



Pos.	Description	Dimensions [m]	Weight approx. [kg]	PU	Ref. No.	1054	1042	1060	1052	1036	1029	1035	1037	1039	1061	1020	1038	1028	1043	1064	1074	1056	1057	1040	1058	1043.3	1055	1045
1	TOPIC Box for use on all <i>TOPIC</i> rung or double step ladders; easy fitting over the rungs or steps		0.8		1016.021									▶	▶			▶	▶									
2	Suspended platform for use on all <i>TOPIC</i> rung ladders; easy fitting over the rungs		0.8		1016.003	▶						▶	▶	▶	▶	▶	▶	▶					▶	▶				
3	TOPIC Stile Extension for stile extension on stairways or podia; adjustment area up to 400 mm; easy fitting by 2 large dimensioned wing bolts	64 mm	1.5		1016.108	▶	▶					▶	▶							▶								
		76 mm	1.7		1016.109	▶	▶					▶	▶							▶	▶							
		84 mm	1.9		1016.110	▶	▶					▶	▶								▶							
		100 mm	2.1		1016.111	▶	▶					▶	▶								▶							
4	Spike For better stability on grass or soil; easy fitting without drilling or riveting. Usable on all <i>TOPIC</i> ladders with Combigrip ladder foot.		0.2	2	1016.099	▶	▶					▶	▶	▶					▶	▶						▶		
5	Suspended bag with hook as tool box for all <i>TOPIC</i> rung double ladders		0.5		1016.014									▶	▶			▶										
6	Insert hook self-securing, usable on all Layher <i>TOPIC</i> ladders		0.1		1016.100	▶	▶					▶	▶	▶	▶				▶	▶	▶	▶	▶	▶	▶	▶		
7	Suspension hook (1 piece) DIY-assembly, usable on tubes up to dia. 50 mm		0.1		1016.050	▶	▶					▶	▶								▶	▶	▶	▶				
8	Wall bracket for easy suspension of ladders with suspension hooks, Axial dim. = 640 mm, Wall spacing = 123 mm		2.5		1016.090	▶	▶					▶	▶								▶	▶	▶	▶				
9	Wood stile extension set EasyFix (1 piece) for wooden double ladders 1038 and 1059 (up to 10 rungs) and the wallpaperer's trestle 1045, fixation material with wing bolts included	1.25	1.9		1016.022				▶								▶	▶										
		1.65	2.2		1016.023				▶								▶	▶										
10	Cross-piece castors for easy movement of large ladders; easy fitting by large dimensioned wing bolts		1.4	2	1016.069	usable for all ladders with cross-piece																						
11	Top rollers with rubber tyres to protect the wall surface when extending / retracting ladder, usable on the <i>TOPIC</i> ladders 1035, 1037 and 1040		1.5	2	1016.027							▶	▶											▶				
12	Gutter holder Secure attachment for all ladders		0.5		1016.006	▶	▶					▶	▶											▶				
13	Wall distance bracket usable for all Layher rung ladders, easy plug on and securing		3.5		0729.228	▶						▶	▶											▶				
14	Ladder shoe for wooden ladder DIY-assembly, fits onto ladders 1052 and 1038 / 1059 up to 10 rungs and onto wallpaperer's trestles 1045		0.2	2	1016.052			▶										▶										▶
			0.3	2	1016.053												▶	▶										
15	Ladder wall mounting for an ideal storage of ladders on the wall		1.8		1016.092	▶	▶					▶	▶	▶					▶	▶	▶							

Spare parts



The Layher Combigrip ladder foot is made of a 2-component plastic: a hard inner section (orange) for secure mounting inside the stile, and a soft outer covering (black), non-slip on every floor surface.

That ensures:

- ▶ play-free mounting in ladder stile
- ▶ high slipping resistance, for maximum stability of ladders
- ▶ long service life – no cutting or reshaping of the foot

The Layher Combigrip ladder foot ensures easy retro-fitting of a ladder cross-piece.

The cross-piece is simply inserted into the cutout provided for it in the foot, and then firmly screwed to the stile ends using hexagonal-head screws.

TIP: With the Layher Combigrip ladder foot, you automatically comply with the new requirements of DIN EN 131-1, which will specify a cross-piece for simple ladders of 3 metres and more length.



Image can differ from original.



Pictogram description

Labels acc. to new DIN EN 131-3 – label see pos. 7



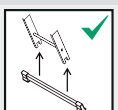
Pay attention to the user manual



Check ladder upon delivery. Visually check the ladder for absence of damage and for safe use prior to every use. Do not use damaged ladders.



Remain below the maximum useful load.



Only use the ladders with the included cross-pieces.



Use simple ladders with rungs at the correct angle.



Do not exceed the maximum number of users.



Do not use the ladder for bridging purposes.



Ladders for access to greater heights must be extended at least 1 metre above the contact point and secured as necessary



Do not use the ladder on an uneven, unstable or fouled surface.



Open the ladder completely before use. Locking devices must be fully activated before the ladder is used, if this is not done automatically.

Avoid any work exerting a lateral load on the ladder, for example drilling sideways through solid materials. When using a ladder, do not carry equipment which is heavy and awkward.



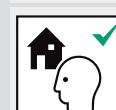
Only ascend and descend the ladder when facing towards it. Grip the ladder tightly during ascent, descent and working.



Do not use the top three steps / rungs of a simple ladder to stand on. Do not use the top two steps / rungs of a double ladder to stand on without a platform and a holding device for the hand / knee



Ladders with this marking are designed for private use only.



Ladders with this marking are designed for both private and professional use.

Pos.	Description	Dimensions [m]	Weight approx. [kg]	PU	Ref. No.
1	Combigrip ladder foot of 2-component plastic for secure mounting inside the stile and non-slip on every floor surface.	64-mm-stile	0.2	2	6492.810
		76-mm-stile	0.2	2	6492.811
		84-mm-stile	0.2	2	6492.812
		100-mm-stile	0.2	2	6492.813
2	TOPIC ladder foot for ladder heads and inner ladders of multi-purpose ladders	64-mm-stile	0.1	2	6492.011
		76-mm-stile	0.2	2	6492.012
		84-mm-stile	0.2	2	6492.013
		100-mm-stile	0.2	2	6492.014
3	Ladder cross-piece for even more safety, easy fitting with the Combigrip ladder foot	1054.006 – 1054.024 1042.006 – 1042.016	1,13	3.0	1016.081
		1035.006 – 1035.010	0,89	3.0	1016.082
		1035.012 – 1035.018 1037.014 – 1037.024	1,36	3.0	1016.084
4	Ladder control sheet acc. to UVV "Ladders and steps" DGUV Information 208-016 § 29, ladders and steps must be checked to their proper condition. By the ladder control sheet you have a check list for controlling and protocolling.	downloads.layher.com			
5	Foot for cross-piece for all ladder cross-pieces		0.5	2	6492.015
6	Universal- and check plaque German operating safety regulations require that ladders are inspected.		0.2	10	6492.995
7	Pictogram labels as replacement Manual for label replacement is added to the label!	For platform ladder TOPIC 1074	0.01	10	6492.996
		For multifunction ladders 1040, 1056, 1057, 1058	0.01	10	6492.997
		For double ladders 1039, 1043, 1061, 1064	0.01	10	6492.998
		For single ladders 1035, 1037, 1042, 1054, 1060	0.01	10	6492.999
		For wooden double ladders 1028, 1038, 1053, 1055	0.01	10	6493.000
		For wooden single ladders 1025, 1052	0.01	10	6493.001
8	Retrofit kit Ladder cross-piece including Combigrip ladder foot	1054.006 – 1054.018	1.13	3.2	1016.681
		1054.020 – 1054.022, 1042.006 – 1042.016,	1.13	3.2	1016.781
		1054.024	1.13	3.2	1016.881
		1035.006 – 1035.008	0.89	3.2	1016.682
		1035.010	0.89	3.2	1016.782
		1035.012	1.37	3.2	1016.784
		1035.014, 1037.014	1.37	3.2	1016.884
		1035.016 – 1035.018 1037.016 – 1037.024	1.37	3.2	1016.184

Roofer's ladder 1046

Special ladder in craftsman's quality, curved rungs with recesses for roof hooks.



Double-screwed to stiles. In conformity with the regulations of German professional builders' associations.

The roofer's ladder 1046 permit a variable operating range up to a roof pitch of 75° and hung in roof hooks.

The roofer's ladder 1046 ist equipped with tear-proof polyester straps as breaking cut-out.

Outer width: **365 mm**
Rung spacing: **280 mm**



Roof ladder 1051



Layher roof ladders are permanently attached to the house roof to enable safer access at all times for recurring maintenance work, e.g. on chimneys or satellite dishes.



High-grade roofs are protected from scratching during assembly and use by the unique and EPDM protective section of Layher roof ladders.

Layher roof ladders permit a variable operating range up to a roof pitch of 73°.

The Layher roof ladders are available in 4 colour variants:

- ▶ Natural aluminium
- ▶ RAL 7016 (Anthracite grey)
- ▶ RAL 8004 (Copper brown)
- ▶ RAL 8011 (Nut brown)

Clear width: **300 mm**
Rung spacing: **280 mm**
Stile height: **95 mm**



Roofer's ladder 1046

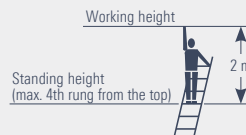
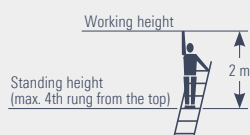
Stile height [mm]	Number of rungs	Weight approx. [kg]	Ref. No.
2.30	8	4.8	1046.108
2.85	10	5.5	1046.110
3.40	12	6.3	1046.112
3.95	14	7.0	1046.114
4.50	16	7.8	1046.116
5.05	18	9.2	1046.118

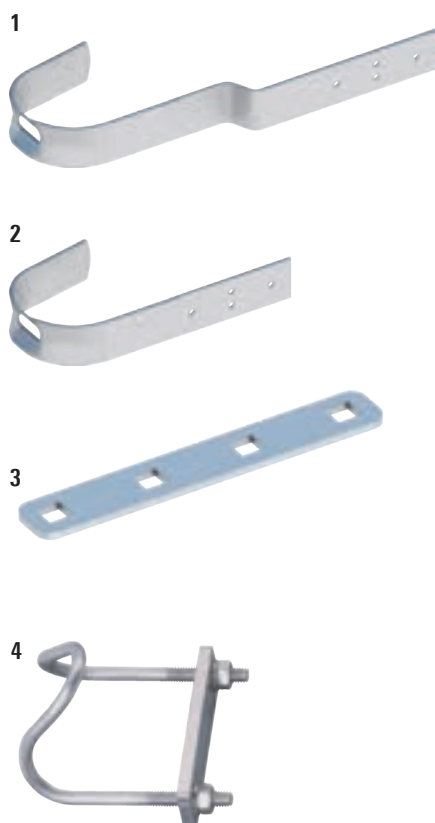
1051

Length [m]	Width [m]	Number of rungs	Colour	Weight approx. [kg]	Ref. No.
1.96	0.34	7	Aluminium nat.	3.8	1051.007
2.80	0.34	10	Aluminium nat.	5.5	1051.010
4.20	0.34	15	Aluminium nat.	8.3	1051.015
1.96	0.34	7	RAL 8004	3.8	1051.107
2.80	0.34	10	RAL 8004	5.5	1051.110
4.20	0.34	15	RAL 8004	8.3	1051.115
1.96	0.34	7	RAL 8011	3.8	1051.207
2.80	0.34	10	RAL 8011	5.5	1051.210
4.20	0.34	15	RAL 8011	8.3	1051.215
1.96	0.34	7	RAL 7016	3.8	1051.307
2.80	0.34	10	RAL 7016	5.5	1051.310
4.20	0.34	15	RAL 7016	8.3	1051.315



Connect the roof ladders using the connecting straps, Ref. No. 1049.x03. The bolts, washers and locking nuts are included. Use four bolts per strap. Up to three ladders can be joined without an additional roof hook and fastening bracket being needed.





Exemplary application of the safety hook model Z (Pos. 1)

Pos.	Description		Dimensions [m]	Weight approx. [kg]	Ref. No.
1	Safety hook, model Z according to DIN EN 517 For use on tiled roofs, incl. nails	galvanized	0.40 x 0.25 x 0.04	0.9	1049.001
		RAL 8004		0.9	1049.101
		RAL 8011		0.9	1049.201
		RAL 7016		0.9	1049.301
2	Safety hook, model B according to DIN EN 517-Type A For use on slate roofs, incl. nails	galvanized	0.40 x 0.25 x 0.04	0.8	1049.002
		RAL 8004		0.8	1049.102
		RAL 8011		0.8	1049.202
		RAL 7016		0.8	1049.302
3	Connecting strap Including bolts, washers and nuts of stainless steel	galvanized	0.20 x 0.02 x 0.005	0.5	1049.003
		RAL 8004		0.5	1049.103
		RAL 8011		0.5	1049.203
		RAL 7016		0.5	1049.303
4	Fastening bracket according to DIN 18160-5, galvanized			0.1	1049.000

You can find instructions for assembly and use under downloads.layher.com

The roof ladder 1051 plus the above accessory parts (apart from the fastening bracket) are available in 4 colour variants:

Alu natural
or galvanized

RAL 8004
Copper brown

RAL 8011
Nut brown

RAL 7016
Anthracite grey

LAYHER ACCESSSES



Stair type	Alu start-stairway 110	Alu stairway 111	Alu stairway with platform 112	Alu maintenance platform 113	Alu bridging stairway 114
Description	For machine access with comfortable footing.	Permanently fitted access for higher heights.	Permanently fitted access for higher heights with large platform e.g. for doors.	Mobile access to higher shelves or maintenance work in higher heights.	Machine crossing with a wide runway.
Step width	0.60 m or 0.80 m	0.60 m or 0.80 m	0.60 m or 0.80 m	0.60 m or 0.80 m	0.60 m or 0.80 m
Step length	200 mm	200 mm	200 mm	200 mm	200 mm
Inclination	45°	45° or 60°	45° or 55°	45° or 55°	45° or 55°
Platform length	0.40 m	0.20 m	0.60 m	0.60 m	0.80 m
Step spacing	200 mm	200 to 250 mm (dependance of the inclination)	200 to 225 mm (dependance of the inclination)	200 to 225 mm (dependance of the inclination)	200 to 225 mm (dependance of the inclination)
Max. step load	150 kg	150 kg	150 kg	150 kg	150 kg
Max. total load	300 kg	300 kg	300 kg	300 kg	300 kg

Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale. Delivery includes assembly drawing. No return possible.

THE BENEFITS TO YOU AT A GLANCE

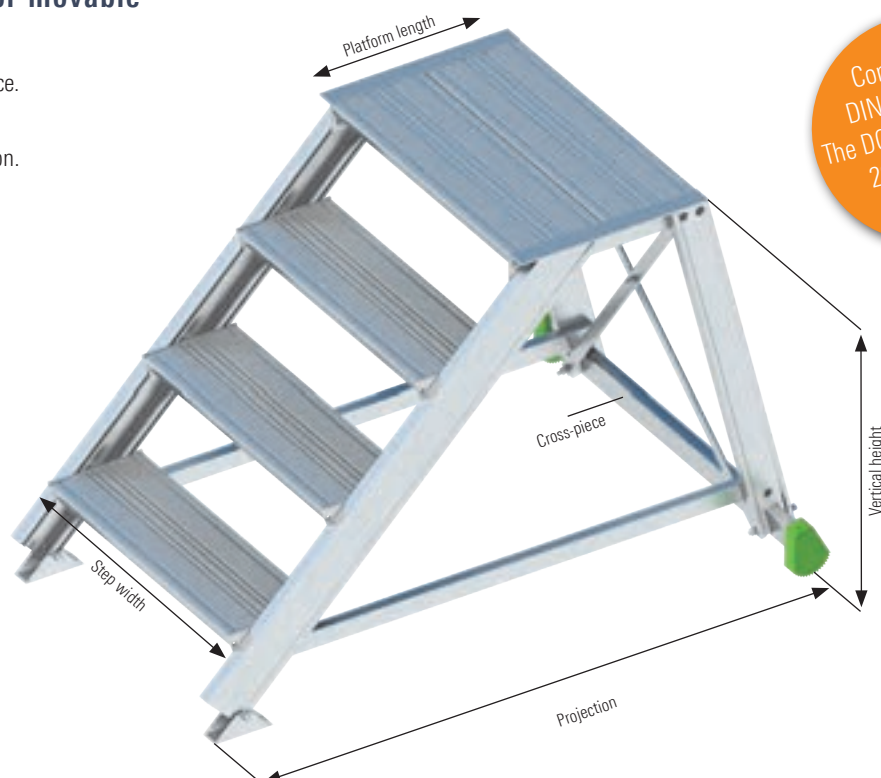
- ▶ 200 mm wide step sections with a sure-footed groove.
- ▶ Handrails made of 40 mm round tubes with cast aluminum connectors.
- ▶ For transport reasons, the stairs are supplied as pre-assembled groups, an assembly drawing is enclosed with the delivery.
- ▶ Other sizes and designs available on request.

Alu start-stairway static or movable 110

For container charging or machine maintenance.

Special stile made of strong aluminium section.

Step profile grooved for sure footing.



Complies to
DIN EN 14183.
The DGVV information
208-016 must
be followed!

Stairway width:

Step width + 0.06 m + cross-piece

Vertical height:

Max. 0.99 m (Measures from floor to upper edge of the platform)

Cross-piece:

For safer standing (Cross-piece length: step length + 0.20 m)

Lift castors (optional):

For moving the start-stairway like a barrow

Platform length:

0.40 m

Inclination	Width [m]	Vertical height [m]	0.40	0.60	0.80	0.99
45°	0.60	Number of steps	2	3	4	5
		Projection [m]	0.76	1.00	1.30	1.50
		Weight [kg]	11.0	14.0	17.5	20.7
		Ref. No. without lift castors	1106.102	1106.103	1106.104	1106.105
			870.50	1.000.50	1.141.80	1.345.30
		Ref. No. with lift castors	1106.122	1106.123	1106.124	1106.125
			1.031.00	1.161.00	1.302.30	1.505.90
	0.80	Weight [kg]	12.0	15.2	18.9	22.3
		Ref. No. without lift castors	1108.102	1108.103	1108.104	1108.105
			915.80	1.079.70	1.266.20	1.447.20
		Ref. No. with lift castors	1108.122	1108.123	1108.124	1108.125
			1.076.20	1.240.20	1.426.70	1.607.60

Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale. Delivery time upon request. Delivery includes assembly drawing. No return possible.

Alu stairway

111

A safer and permanently fitted access. Wherever material, equipment and machinery have to be stored or operated at a height. Rapid working is assured by convenient and effortless movement even with loads.

Step width:

Step width + 0.10 m with one-side handrail

Step width + 0.13 m with both-side handrail

Projection:

Measures from front edge to wall

Vertical height:

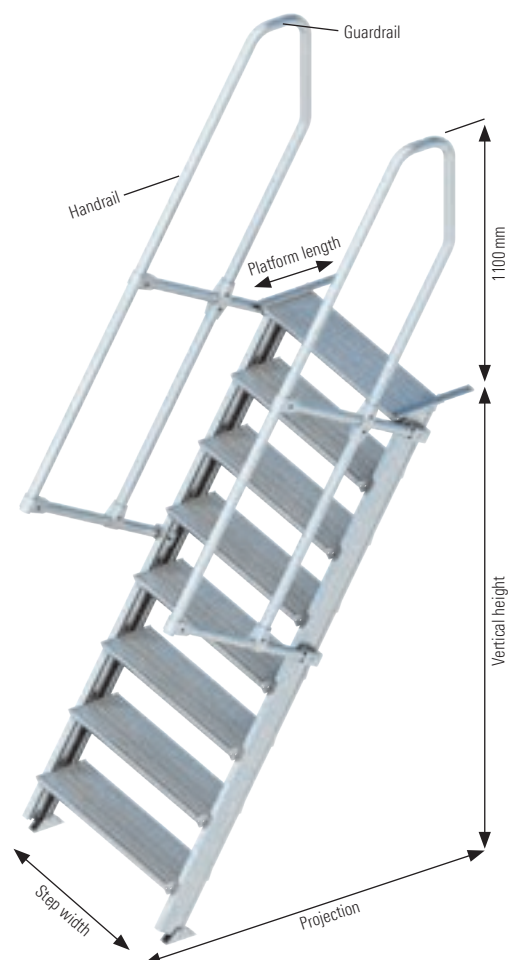
Max. 3.90 m (Measures from floor to upper edge of the top step)

Handrail:

Handrails can be ordered for additional charge. The DIN EN ISO 14122-3 must be followed! Accordingly, for a stairway with a 45° slope a handrail is specified for at least one side. For a 45° angle and a wall clearance exceeding 200 mm, or for 60°, a handrail must be provided on both sides. (Measured from the upper edge of the top step to the upper edge of the guardrail).

Drilling mounting strap:

9 mm



Inclination	Width [m]	Vert. height [m]	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00
45°	0.60	Number of steps	3	4	5	6	7	8	9	10
		Projection [m]	0.75	0.95	1.15	1.35	1.55	1.75	1.95	2.05
		Weight [kg]	7.1	10.1	12.5	15.4	17.8	20.8	23.7	29.1
		Ref. No.	1116.103	1116.104	1116.105	1116.106	1116.107	1116.108	1116.109	1116.110
	0.80	Weight [kg]	9.1	12.6	15.5	18.9	21.8	25.3	29.7	35.1
		Ref. No.	1118.103	1118.104	1118.105	1118.106	1118.107	1118.108	1118.109	1118.110
		Ref. No.	1110.003	1110.004	1110.005	1110.006	1110.007	1110.008	1110.009	1110.010
		Ref. No.								
Inclination	Width [m]	Vert. height [m]	0.675	0.90	1.125	1.35	1.575	1.80	2.025	2.25
60°	0.60	Number of steps	3	4	5	6	7	8	9	10
		Projection [m]	0.53	0.66	0.79	0.92	1.05	1.18	1.31	1.44
		Weight [kg]	7.3	10.4	11.9	14.5	17.1	19.7	22.3	24.9
		Ref. No.	1116.203	1116.204	1116.205	1116.206	1116.207	1116.208	1116.209	1116.210
	0.80	Weight [kg]	9.3	12.9	14.9	17.5	21.1	24.7	28.3	30.9
		Ref. No.	1118.203	1118.204	1118.205	1118.206	1118.207	1118.208	1118.209	1118.210
		Ref. No.	1110.023	1110.024	1110.025	1110.026	1110.027	1110.028	1110.029	1110.030
		Ref. No.								

Other variants on request

Alu stairway with platform 112

Statically: Statically mountable at building for emergency exit,
at machines, as heightened workstation a.s.o.

Step width:

Step width + 0.10 m with one-side handrail

Step width + 0.13 m with both-side handrail

Projection:

Measures from front edge to wall

Vertical height:

Max. 4.00 m (Measures from floor to upper edge of the platform)

Handrail / Guardrail:

Handrails and guardrails can be ordered for additional charge.

The DIN EN ISO 14122-3 must be followed! Accordingly, for a stairway with a 45° slope a handrail is specified for at least one side. For a 45° angle and a wall clearance exceeding 200 mm, or for 60°, a handrail must be provided on both sides.

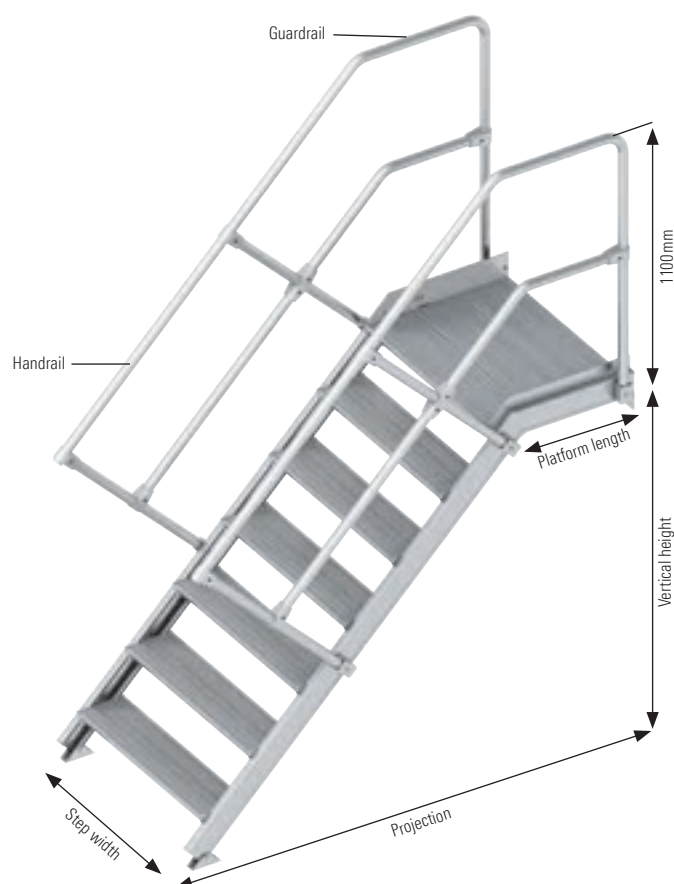
(Measured from the upper edge of the stage to the upper edge of the guardrail).

Platform length:

0.60 m

Drilling mounting strap:

9 mm



Inclination	Width [m]	Vert. height [m]	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00
45°		Number of rungs	3	4	5	6	7	8	9	10
		Projection [m]	1.15	1.35	1.55	1.75	1.95	2.15	2.35	2.55
	0.60	Weight [kg]	22.8	25.3	28.2	31.1	33.5	36.5	39.4	44.3
		Ref. No.	1126.103	1126.104	1126.105	1126.106	1126.107	1126.108	1126.109	1126.110
	0.80									
		Weight [kg]	26.8	29.3	33.2	36.6	39.5	43.0	46.4	51.8
		Ref. No.	1128.103	1128.104	1128.105	1128.106	1128.107	1128.108	1128.109	1128.110
Handrail/Guardrail		Ref. No.	1120.003	1120.004	1120.005	1120.006	1120.007	1120.008	1120.009	1120.010
Inclination	Width [m]	Vert. height [m]	0.675	0.90	1.125	1.35	1.575	1.80	2.025	2.25
55°		Number of rungs	3	4	5	6	7	8	9	10
		Projection [m]	0.93	1.06	1.19	1.32	1.45	1.58	1.71	1.84
	0.60	Weight [kg]	21.5	24.1	27.1	29.9	32.7	35.6	38.4	41.3
		Ref. No.	1126.203	1126.204	1126.205	1126.206	1126.207	1126.208	1126.209	1126.210
	0.80									
		Weight [kg]	25.5	28.1	31.6	35.2	38.8	43.4	47.0	50.6
		Ref. No.	1128.203	1128.204	1128.205	1128.206	1128.207	1128.208	1128.209	1128.210
Handrail/Guardrail		Ref. No.	1120.023	1120.024	1120.025	1120.026	1120.027	1120.028	1120.029	1120.030

Other variants on request

Other variants on request

Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale.
Delivery time upon request. Delivery includes assembly drawing. No return possible.

Alu maintenance platform 113

Versatile maintenance device for machines, containers, trucks, buses, shelves a.s.o. which do not allow the mounting of a static solution.

Step width:

Step width + 0.10 m with one-side handrail + cross-piece

Step width + 0.13 m with both-side handrail + cross-piece

Vertical height:

Max. 4.00 m (Measures from floor to upper edge of the platform)

Handrail / Guardrail:

Standard delivery is including all-round guardrails and both-side handrails. On demand, the stairway can be ordered with one-side handrail / guardrail or without any. The DIN EN ISO 14122-3 must be followed! (Measured from the upper edge of the stage to the upper edge of the guardrail).

Cross-piece:

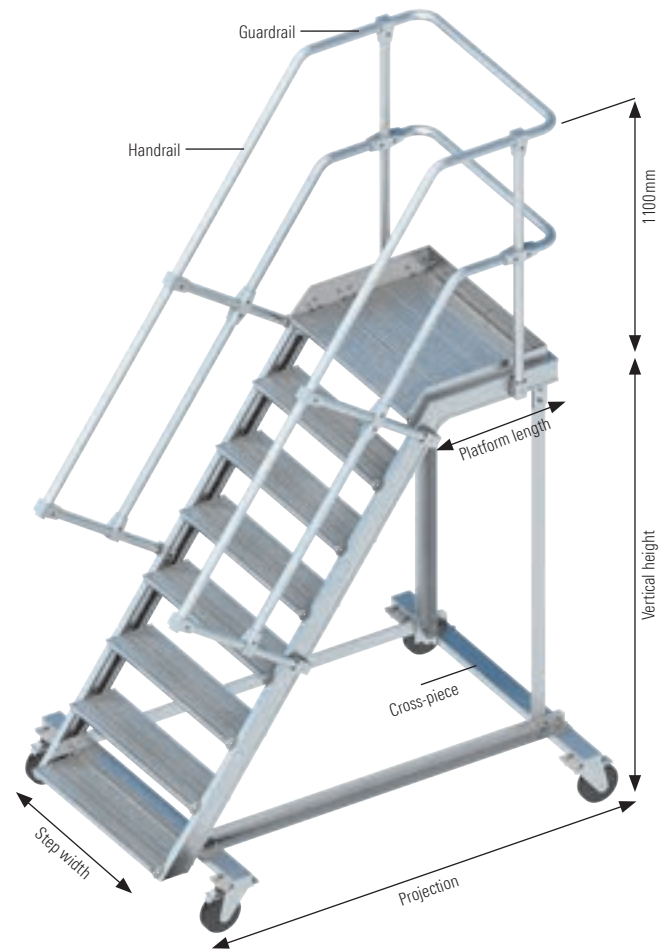
For safer standing

Castors:

Wheel with lock, which blocks the wheel and forkhead

Platform length:

0.60 m



Inclination	Width [m]	Vert. height [m]	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	Other variants on request
45°	0.60	Number of rungs	3	4	5	6	7	8	9	10	
		Projection [m]	1.62	1.78	2.04	2.30	2.40	2.72	2.90	3.12	
		Cross-piece [m]	0.94	0.94	1.00	1.00	1.10	1.10	1.10	1.15	
		Weight [kg]	50.4	54.6	59.9	64.1	70.4	74.2	80.5	88.2	
		Ref. No.	1136.103	1136.104	1136.105	1136.106	1136.107	1136.108	1136.109	1136.110	
	0.80	Cross-piece [m]	1.15	1.15	1.25	1.25	1.30	1.30	1.30	1.40	
		Weight [kg]	55.7	59.9	66.2	71.9	76.6	84.0	89.9	97.7	
		Ref. No.	1138.103	1138.104	1138.105	1138.106	1138.107	1138.108	1138.109	1138.110	
Inclination	Width [m]	Vert. height [m]	0.675	0.90	1.125	1.35	1.575	1.80	2.025	2.25	
55°	0.60	Number of rungs	3	4	5	6	7	8	9	10	
		Projection [m]	1.47	1.63	1.78	1.95	2.10	2.26	2.41	2.58	
		Cross-piece [m]	0.94	0.94	1.00	1.00	1.10	1.10	1.10	1.15	
		Weight [kg]	48.0	52.0	57.0	61.0	67.0	71.0	77.0	84.0	
		Ref. No.	1136.203	1136.204	1136.205	1136.206	1136.207	1136.208	1136.209	1136.210	
	0.80	Cross-piece [m]	1.15	1.15	1.25	1.25	1.30	1.30	1.30	1.40	
		Weight [kg]	53.0	57.0	63.0	68.5	73.0	80.0	85.5	93.0	
		Ref. No.	1138.203	1138.204	1138.205	1138.206	1138.207	1138.208	1138.209	1138.210	

Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale. Delivery time upon request. Delivery includes assembly drawing. No return possible.

Alu bridging stairway, statical or movable

114

Statically For bridgings at containers, machines, band-conveyors a.s.o.
Attachment using angular mounting sections at bottom of stairway.

Movable: As operating platform, maintenance device a.s.o. Cross-piece and castors with brake, which locks wheel and clevis – upon request.

Step width:

Step width + 0.10 m with one-side handrail
+ cross-piece (movable)

Step width + 0.13 m with both-side handrail
+ cross-piece (movable)

Clear width:

0.55 m

Vertical clear height:

Max. 4.00 m

(Measures from floor to bottom edge of the platform)

Handrail / Guardrail:

Handrails and guardrails can be ordered for additional charge.

The DIN EN ISO 14122-3 must be followed! Accordingly, for a stairway with a 45° slope a handrail is specified for at least one side. For a 45° angle and a wall clearance exceeding 200 mm, or for 60°, a handrail must be provided on both sides.

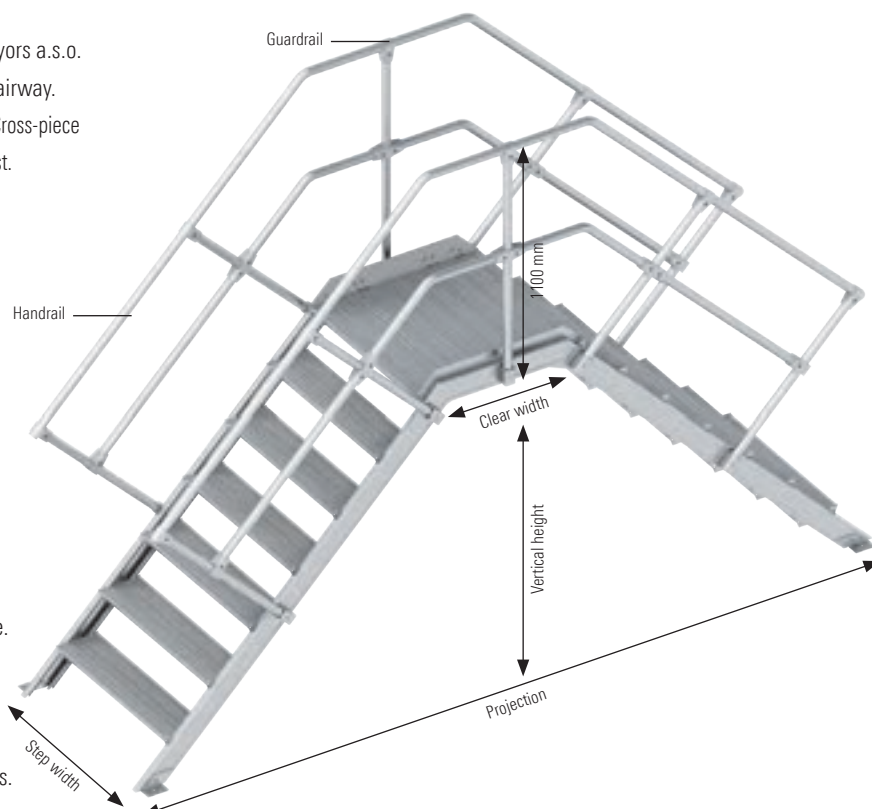
(Measured from the upper edge of the stage to the upper edge of the guardrail).

Platform length:

0.80 m

Drilling mounting strap:

9 mm



Inclination	Width [m]	Vert. clear height [m]	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	Other variants on request
45°	0.60	Number of rungs	3	4	5	6	7	8	9	10	
		Projection [m]	1.94	2.36	2.78	3.20	3.40	4.12	4.56	5.00	
		Weight [kg]	32.0	35.3	39.2	43.4	55.0	62.5	70.5	79.4	
		Ref. No.	1146.103	1146.104	1146.105	1146.106	1146.107	1146.108	1146.109	1146.110	
	0.80	Weight [kg]	37.8	42.5	47.6	52.6	65.7	74.4	82.9	93.6	
		Ref. No.	1148.103	1148.104	1148.105	1148.106	1148.107	1148.108	1148.109	1148.110	
		Ref. No.	1140.003	1140.004	1140.005	1140.006	1140.007	1140.008	1140.009	1140.010	
		Ref. No.									
Inclination	Width [m]	Vert. clear height [m]	0.62	0.85	1.07	1.30	1.53	1.75	1.98	2.20	
55°	0.60	Number of rungs	3	4	5	6	7	8	9	10	
		Projection [m]	1.67	2.00	2.30	2.62	2.94	3.25	3.57	3.88	
		Weight [kg]	30.9	34.1	37.8	42.0	53.2	60.4	67.6	76.8	
		Ref. No.	1146.203	1146.204	1146.205	1146.206	1146.207	1146.208	1146.209	1146.210	
	0.80	Weight [kg]	36.4	40.7	45.8	51.1	63.4	71.7	80.0	90.3	
		Ref. No.	1148.203	1148.204	1148.205	1148.206	1148.207	1148.208	1148.209	1148.210	
		Ref. No.	1140.023	1140.024	1140.025	1140.026	1140.027	1140.028	1140.029	1140.030	
		Ref. No.									

Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale.
Delivery time upon request. Delivery includes assembly drawing. No return possible.

LAYHER ROLLING TOWERS

THE QUALITY IS IN THE DETAILS



Layher rolling towers offer professionals in the building trade and in industry individualised solutions for every task, but without extensive material being needed. Thanks to the modular principle, many assembly variants are possible with a few components. That reduces the need for stocks and cuts logistic costs. The lightweight and handy system components made of aluminium with snap-on claw not only permit quick and easy assembly, but also ensure high stability for concentrated working at a height of nearly 14 meters. Layher rolling towers are a persuasive solution thanks to their ample working platform and working height adjustment. Their adaptability to site conditions enables every professional on the scaffolding to work ergonomically and so improve their individual safety and efficiency.

For top performance at great heights, you need high stability. Layher has, with its consistent approach to safety and quality, designed products which conform to statutory safety requirements. Inspections by independent institutes have corroborated this. The Layher brand stands for more than 70 years of experience in the design and manufacture of rolling towers at the central production location in Güglingen. Quality "Made by Layher" means "Made in Germany".

With its rolling tower family, Layher offers customers from the building trades and from industry scaffolding systems for economical working at any height, both indoors and outdoors.

YOUR BENEFITS AT A GLANCE

- ▶ Layher offers for every site requirement the rolling tower to match. Thanks to the modular principle, many assembly variants are possible with a few components.
- ▶ The option of using the Layher Safety Structure P2 enable you to conform to the German Ordinance on Industrial Safety and Health without extra expense.
- ▶ Ergonomic assembly and high profitability thanks to the handy system components made of aluminium.
- ▶ You can rely on maximum quality and safety thanks to a recognised quality management system and inspections by independent institutes.





WHEELS

Sturdy wheels for high manoeuvrability and stable stance during work. Various wheel coatings permit use even on sensitive floor coverings. The steel base plates ensure easy and precise height equalisation while transmitting the loads centrally into the locked wheel. This improves the stability, enabling the user to work efficiently.



LADDER FRAMES

The ladder frame doubles as the scaffolding frame and as an access. The grooves of the rungs ensure maximum slip prevention and secure grip for vertical access.

The ladder frames are available in the lengths 1.00 m and 2.00 m and in the widths 0.75 m and 1.50 m.

Long and conical spigots ensure a secure and easy-action connection of the ladder frames to one another, easily made safer by spring clips.



GUARDRAILS AND DIAGONAL BRACES WITH SNAP-ON CLAWS

Unbeatably fast connection without using tools. A slight pressure, and the claw snaps into place by itself.

Various colours of the claw fingers for guardrails and diagonal braces help to tell the components apart – that saves time.



DECKS

Sturdy decks made from aluminium frames with plywood insert and snap-on claws ensure easy handling. They have a non-slip surface for a firmer and safer stance even in wet weather. A maximum-size working surface is obtained with a width of 68 cm. The differently shaped snap-on claws permit easy 1-man assembly and at the same time provide quadruple lift-off prevention. The toe board for protection from falling material or tools form a self-holding rim to ensure a maximum working surface.



STABILITY




The stability of the rolling tower must be assured for every phase of its assembly and dismantling. Depending on the assembly height and whether the tower is assembled outdoors or in a closed room, the following measures must be taken:

- ▶ installation of mobile beam
- ▶ use of stabilisers
- ▶ ballasting



LAYHER ROLLING TOWERS

THE RIGHT ROLLING TOWER FOR EACH TASK

			
Tower model	SoloTower	Zifa	Uni Light
Description/ Features	Transport and assembly can be done by only one person. Thanks to the compact dimensions, transport is possible in all usual vehicles.	Fits through room doors when assembled and loaded, requires little space for transport	Ideal for cramped conditions at the place of use
Dimensions of working platform	0.75 x 1.13 m	0.75 x 1.80 m	0.75 x 1.80 m
Max. working height (in closed areas)	6.15 m	7.76 m	9.26 m
Max. working height (outdoors)	6.15 m	7.76 m	9.26 m
Permissible live load	2.0 kN / m ²	2.0 kN / m ²	2.0 kN / m ²
Maximum permissible UDL*	150 kg	240 kg	240 kg

LAYPLAN ROLLING TOWER-CONFIGURATOR



By using this LayPLAN module, it is possible to choose between standard and individual rolling tower solutions – quickly and easily. After entering of working height, the required working space and selection of the equal assembly structure, the program gives you a solution offer with pictures and material lists. Applications with internal ladder access, wall support or console brackets can be chosen – also as structures with mobile beam or stabilizers. All assembly structures according to the user manuals are available.

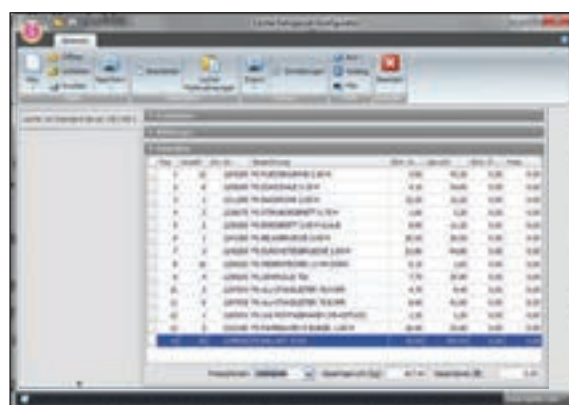
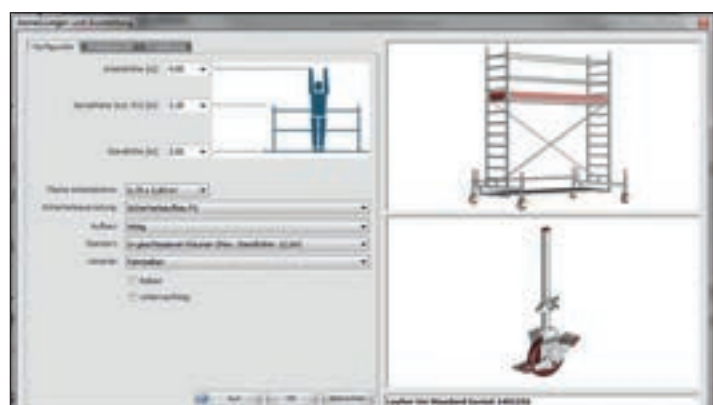
YOUR BENEFITS AT A GLANCE

- ▶ Quick planning and selection of the equal rolling tower type. No matter if standard or individual.
- ▶ Download of all user manuals of the Layher rolling towers.
- ▶ Optionally the material list can be generated with or without required ballastings.
- ▶ Single components can be edited, added or deleted from the material list.



Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro rolling tower
Double-width working surface, yet with compact outer dimensions.	Designed for maximum heights, lightweight, sturdy, durable – the flexible basic model	Double-width working surface, needs base widening only when height exceeds 8.38 m	Convenient stairway access	Excellent freedom of movement and plenty of room for material, height adjustable every 11 cm
1.50 x 1.80 m	0.75 x 2.85 m	1.50 x 2.85 m	1.50 x 1.80 m	1.95 x 1.95 m
10.38 m	13.38 m	13.38 m	14.20 m	3.90 m
9.38 m	9.38 m	9.38 m	10.20 m	3.90 m
2.0 kN/m ²	2.0 kN/m ²	2.0 kN/m ²	2.0 kN/m ²	1.5 kN/m ²
485 kg	380 kg	765 kg	485 kg	570 kg

When you buy, you receive instructions for assembly and use that must be followed without fail for assembly, dismantling and use.
 * According to the max. working surface



LayPLAN Rolling Tower Configurator

Order now for free.

More safety, when using Layher rolling towers

To comply with European industrial safety laws, you as an employer must ensure that your workforce is only provided with equipment that, when used for its intended purpose, guarantees both safety and health protection. Appropriate safety measures have to be taken by you. Collective risk prevention takes precedence here over individual risk prevention.

To comply in full with all requirements, Layher has now devised the Safety Structure P2. The Layher Safety Structure P2 represents the collective safety measure.

The Safety Structure P2

- ▶ Platforms with a vertical spacing of **2 m**.
- ▶ Safer design with integrated collective side protection.

Thanks to the platforms assembled with a 2 meter spacing, the rear guardrails can already be fitted from the level below, so that when the next platform up is accessed there is already a simple side protection in place in all sides.

CAN BE RETROFITTED WITH THE LAYHER MODULAR SYSTEM:

If you already have a Layher rolling tower, you can upgrade it to the P2 design without any problem.

YOUR BENEFITS AT A GLANCE

The ingeniously simple assembly principle

- ▶ All round side protection already in place when accessing the next platform up.
- ▶ More stability in the rolling tower thanks to additional stiffeners.

Platforms spaced 2 meters apart:

- ▶ Maximum safety during assembly, ascent and descent and during the actual work.
- ▶ Easy passing on of rolling tower parts or work materials from one level to the next.

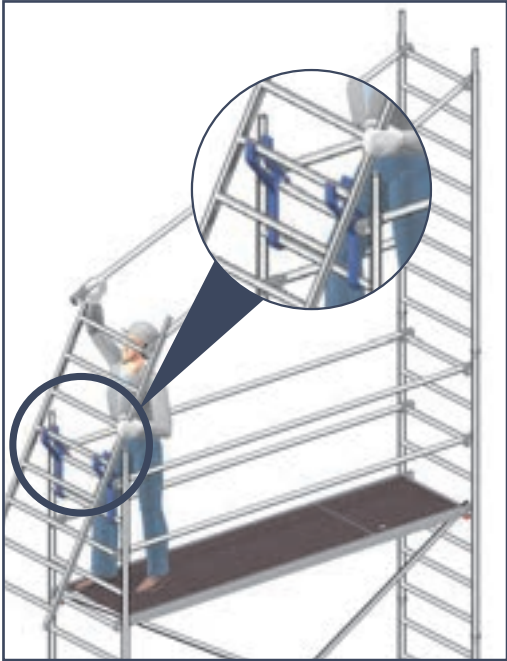
The innovative Uni assembly hook:

- ▶ Considerably simplifies assembly and ensures fast and hitch-free assembly and dismantling.

The principle – Simple. Swift. Safe.

1 Fit the first ladder frame.

Attach the Uni assembly hooks and position the second ladder frame for fitting of the rear guardrails.



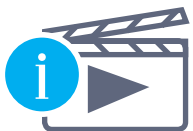
2 Swing ladder frame with rear guardrail upwards and fit into place.



3 Insert diagonal braces and access deck.



4 Ascend to next level and install additional rear guardrails at 0.50 m.



LEARN MORE

about the Safety Structure P2,
you can find on YouTube:
yt-p2-en.layher.com

SOLOTOWER

FASTER, EASIER AND SAFER ASSEMBLY BY ONE PERSON



The SoloTower from Layher is a small rolling tower that can be assembled quickly, safely and easily by a single person, up to a working height of 6.15 metres.

Current industrial safety regulations for working at heights are increasingly restricting the use of ladders. These regulations are frequently detrimental to the profitability of businesses. Previously, businesses have had to plan with high-volume work platforms. The result is a major logistic effort, plus an increased personnel requirement of at least two persons.

This additional economic burden is avoided by using the SoloTower.

Thanks to its compact dimensions, the SoloTower can be transported to its place of use in normal commercial vans or trucks. Transport and assembly can be handled by a single person all the way.

TECHNICAL DATA

- ▶ Working height: 6.15 m
- ▶ Area of working platform: 0.75 x 1.13 m
- ▶ Permissible live load: 2 kN/m² (scaffolding group 3)



LEARN MORE

about the assembly, you can find
on YouTube:

[yt-solotower-en.layher.com](https://www.youtube.com/watch?v=yt-solotower-en.layher.com)

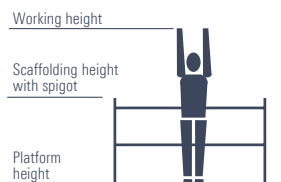


Solo tower



Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).

Tower model	Ref. No.	1600102	1600103	1600104
Toe board unit	1240.113	1	1	1
Access deck	1242.113	1	2	2
Telescoping stabiliser	1248.000	4	4	4
Rotation preventer for stabilizers	1248.261	4	4	4
Spring clip	1250.000	8	12	16
Ladder frame	1297.004	6	8	10
Castor	1300.150	4	4	4
Double guardrail	1342.113	4	6	7
SoloTower assembly hook (set 4 pieces)	1300.002	1	1	1
SoloTower assembly bag	1300.003	1	1	1
Ballast	1249.000	For requirement see table below		



SoloTower

Tower model	 	1600102	1600103	1600104
Working height [m]		4.15	5.15	6.15
Tower height [m]		3.37	4.37	5.37
Platform height [m]		2.15	3.15	4.15
Weight [kg] (without ballast)		118.8	151.9	167.6
Ballast (stated in units)				
In closed areas				
Assembly central		0	0	0
Assembly off-set		LO R5	LO R8	LO R10
Assembly off-set with wall bracing		0	0	0
Outdoors				
Assembly central		0	0	0
Assembly off-set		LO R5	LO R8	LO R10
Assembly off-set with wall bracing		0	0	0

* The here shown ballasting is only necessary when climbing outdoors. X = not possible / not permissible 0 = no ballast required

For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

In central assembly, the ballast weights are distributed evenly over all four ladder frame standards. The remainder not divisible by 4 must be fitted in accordance with the instructions for assembly and use.

In off-set assembly on mobile beams, the ballast weights must be distributed evenly over the two ladder frame standards away from the wall.

Please note: The ballasting table contains updated information. By releasing this document, the issue from 04.2019 loses its validity.

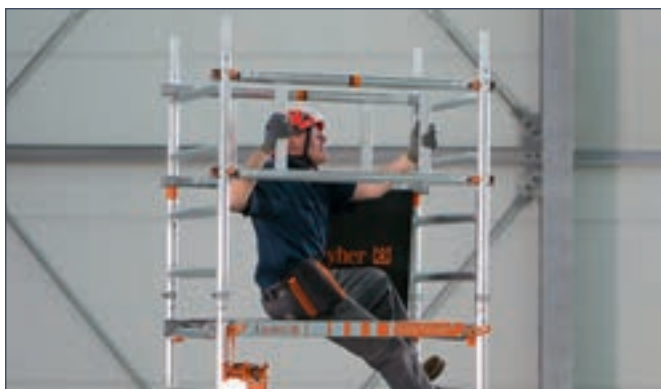
LOGISTICS

The compact dimensions of all components permit economical and efficient logistics for storage and transport and at the site. A few of the components are used to construct, without any tools, a "transport trolley" in which the other scaffolding parts can be moved quickly and ergonomically to the intended location. This "transport trolley" fits through any normal door.



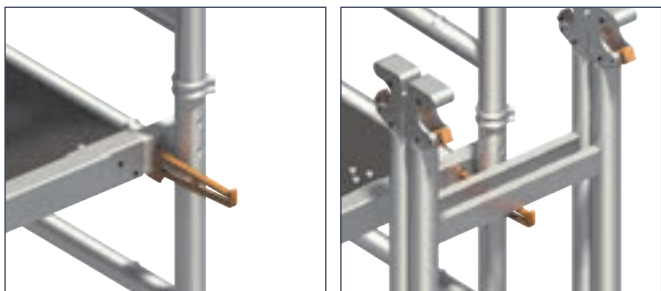
SAFE ASSEMBLY AND DISMANTLING

With the specified assembly and dismantling sequence of the SoloTower using the 3-T method (Through The Trapdoor ► i.e. seated in the access hatch), the user is already in a secure area when moving up to the next platform up, due to the pre-assembled double guardrail, in compliance with the valid regulations for industrial and work safety.



SINGLE-PERSON ASSEMBLY

Lightweight, handy and compact components made of aluminium in combination with the SoloTower assembly hook make it easy to pass individual components from level to level, permitting efficient and economical assembly and dismantling by only one person.



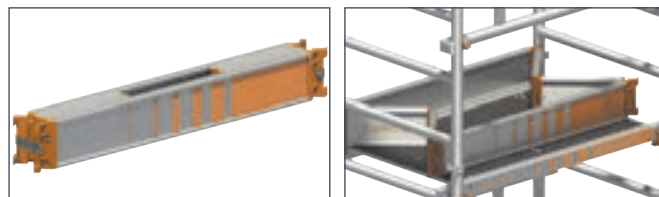
TOOL-FREE ASSEMBLY

Layher's proven connection technology using the snap-on claw permits the accustomed tool-free, fast and easy assembly of the sturdy aluminium components. Layher rolling tower components are synonymous with durability and stability.



TOE BOARD UNIT

The end and side toe boards made of aluminium are already preassembled to create a fold-out toe board unit. The toe boards can be spread out and folded up in next to no time, and fitted to the platform quickly and easily.



TELESCOPING STABILISERS

Quickly and easily attached stabilisers ensure a firm standing of the SoloTower on uneven ground too.



WHEELS

Sturdy wheels for high manoeuvrability and stable stance during work. The steel base plates ensure easy and precise height equalisation while transmitting the loads centrally into the locked wheel. This improves the stability and enables the user to work efficiently.



QUALITY AND SAFETY

The SoloTower has been designed to meet the requirements in the European standard DIN EN 1004 for mobile work platforms, ensuring maximum quality and safety.

ECONOMIC EFFICIENCY

The ladder frames of the SoloTower are, thanks to the Layher construction kit system, also used for the proven Zifa, Uni Standard and Uni Light rolling towers.



ZIFA

THE “READY-MADE TOWER” FOR WORKING AT LOW HEIGHTS



The Zifa tower is practically a “ready-made tower” for working at low heights: Folded together flat for storage and transport – fold it out, insert the deck – that’s all.

The basic unit can be passed through standard room doors when assembled and fully loaded.

Basic tower of aluminium for alternating-sequence push-fit assembly; rear guardrails and diagonal braces of aluminium snap in easily.

Work decks with aluminium frame and plywood insert, also as a hatch-type deck for risk-free internal access.

Strong castors (permanently fitted) ensure particular stability.

The zifa family can also be equipped with stabilizers. Learn more about that on page 48.

TECHNICAL DATA

- ▶ Max. working height: 7.76 m
- ▶ Area of working platform: 0.75 x 1.80 m
- ▶ Permissible live load: 2 kN / m² (scaffolding group 3)





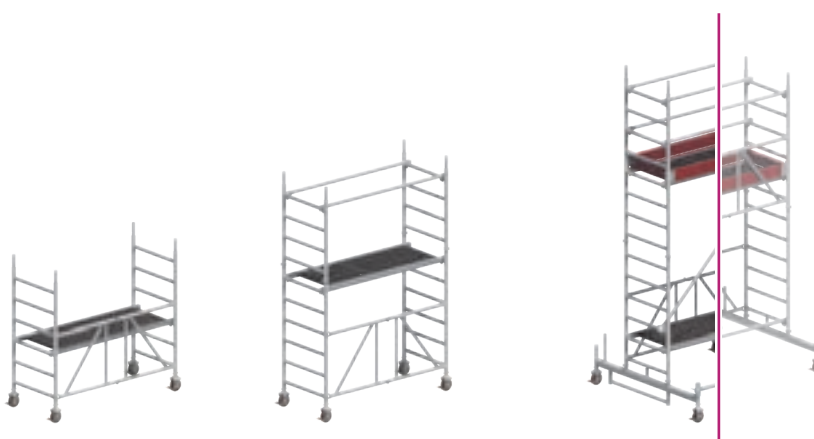
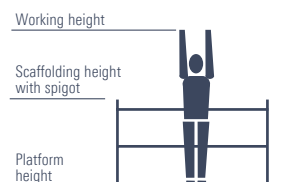
Layher. ☒

Theodor-Heuss-Saal



Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).

Tower model	Ref. No.	1406200	1406210	1406213 (623)	1406214 (624)	1406215	1406216 (625)
Guardrail 1.80 m	1205.180	0	2	4 (4)	9 (4)	8	13 (8)
Diagonal brace 2.50 m	1208.180	0	0	1 (0)	2 (2)	4	4 (3)
Diagonal brace 1.95 m	1208.195	0	0	0 (0)	1 (0)	0	1 (0)
Horizontal diagonal brace 1.95 m	1209.180	0	0	0 (0)	0 (0)	0	0 (1)
Basic tube 1.80 m	1211.180	0	0	1 (0)	1 (0)	1	1 (1)
Mobile beam 1.80 m without bar	1214.180	0	0	0 (2)	0 (2)	0	0 (2)
End toe board 0.75 m	1238.075	0	0	2 (2)	2 (2)	2	2 (2)
Toe board 1.80 m with claw	1239.180	0	0	2 (2)	2 (2)	2	2 (2)
Deck 1.80 m	1241.180	1	0	1 (0)	0 (0)	1	0 (0)
Access deck 1.80 m	1242.180	0	1	1 (1)	2 (1)	2	3 (2)
Spring clip	1250.000	0	4	8 (8)	12 (12)	12	16 (16)
Ladder frame 75/4 – 1.00 m	1297.004	0	2	0 (0)	2 (0)	0	2 (0)
Ladder frame 75/8 – 2.00 m	1297.008	0	0	2 (0)	2 (0)	4	4 (0)
Zifa 75 basic tower	1300.006	1	1	1 (2)	1 (3)	1	1 (4)
Castor 400 – 4 kN	1308.150	4	4	4 (4)	4 (4)	4	4 (4)
Mobile beam with bar	1323.180	0	0	2 (0)	2 (0)	2	2 (0)
Uni assembly hook	1300.001	0	0	1 (0)	1 (0)	1	1 (0)
Ballast	1249.000	For requirement see table below					



The Zifa family

Tower model			1406200	1406210	1406213 Safety structure P2	623 Min. requirements DIN EN 1004
Working height [m]			2.86	3.61	4.76	4.26
Tower height [m]			1.83	2.83	3.98	3.48
Platform height [m]			0.86	1.61	2.76	2.26
Weight [kg] (without ballast)			42.0	58.0	140.5	113.0
Ballast (stated in units)						
In closed areas						
Assembly central*			I4 r4*	I6 r6	0 0	0
Assembly off-set			X	X	I0 r2	0
Assembly off-set with wall bracing			I4 r0*	I6 r0	0 0	0
Outdoors						
Assembly central			I4 r4*	I6 r6	0 0	0
Assembly off-set			X	X	I0 r2	0
Assembly off-set with wall bracing			I4 r0*	I6 r0	0 0	0

* The here shown ballasting is only necessary when climbing outdoors. X = not possible / not permissible 0 = no ballast required

For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

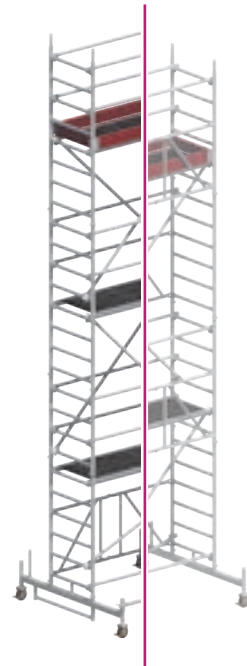
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

In central assembly, the ballast weights are distributed evenly over all four ladder frame standards. The remainder not divisible by 4 must be fitted in accordance with the instructions for assembly and use.

In off-set assembly on mobile beams, the ballast weights must be distributed evenly over the two ladder frame standards away from the wall.

For compliance
with the OH&S
Layher recommends
the safety
structure P2.



1406214 Safety structure P2	624 Min. requirements DIN EN 1004	1406215 Safety structure P2	1406216 Safety structure P2	625 Min. requirements DIN EN 1004
5,76	5.76	6.76	7.76	7.26
4,98	4.98	5.98	6.98	6.48
3,76	3.76	4.76	5.76	5.26
169,6	140.2	192.2	218.0	199.5
12 r2	12 r2	14 r4	14 r4	14 r4
10 r4	L2 R4	10 r6	10 r8	L0 R8
12 r0	L4 R0	r6 10	18 r0	L8 R0
12 r2	12 r2	14 r4	14 r4	14 r4
10 r6	L0 R4	10 r8	X	L0 R10
14 r0	L4 R0	18 r0	116 r0	L8 R0

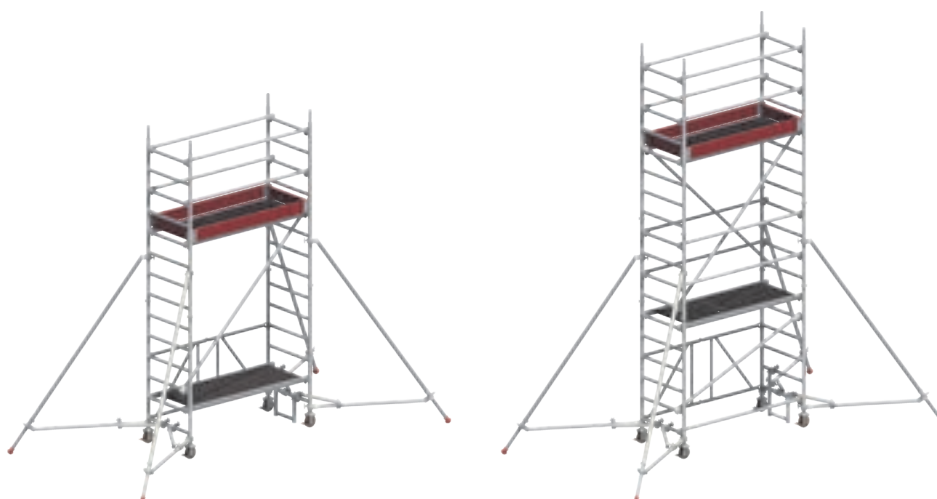
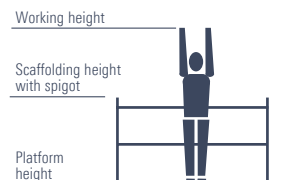
All dimensions and weights are guideline values. Subject to technical modification. Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. Title to the delivered goods shall be retained until full payment has been made. When purchasing, you receive instructions for assembly and use that must be followed without fail or assembly, dismantling and use.

Zifa with stabilizers, extendable



Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).

Tower model	Ref. No.	1406233	1406234	1406235	1406236	1406237
Guardrail 1.80 m	1205.180	4	9	8	13	12
Diagonal brace 2.50 m	1208.180	1	2	4	4	6
Diagonal brace 1.95 m	1208.195	0	1	0	1	0
End toe board 0.75 m	1238.075	2	2	2	2	2
Toe board 1.80 m with claw	1239.180	2	2	2	2	2
Deck 1.80 m	1241.180	1	0	1	0	1
Access deck 1.80 m	1242.180	1	2	2	3	3
Alu stabilizer, extendable	1248.260	4	4	4	4	4
Rotation preventer	1248.261	4	4	4	4	4
Spring clip	1250.000	4	8	8	12	12
Ladder frame 75/4 – 1.00 m	1297.004	0	2	0	2	0
Ladder frame 75/8 – 2.00 m	1297.008	2	2	4	4	6
Zifa 75 basic tower	1300.006	1	1	1	1	1
Castor 400 – 4 kN	1308.150	4	4	4	4	4
Access ledger 0.30 m	1344.002	1	1	1	1	1
Uni assembly hook	1300.001	1	1	1	1	1
Ballast	1249.000	For requirement see table below				



The Zifa family

Tower model	 	1406233 Safety structure P2	1406234 Safety structure P2
Working height [m]		4.61	5.61
Tower height [m]		3.83	4.83
Platform height [m]		2.61	3.61
Weight [kg] (without ballast)		145.5	174.6
Ballast (stated in units)			
In closed areas			
Assembly central		0	0
Assembly off-set		LO R4	LO R6
Assembly off-set with wall bracing		0	0
Outdoors			
Assembly central		0	0
Assembly off-set		LO R6	LO R10
Assembly off-set with wall bracing		0	0

* The here shown ballasting is only necessary when climbing outdoors. X = not possible / not permissible 0 = no ballast required

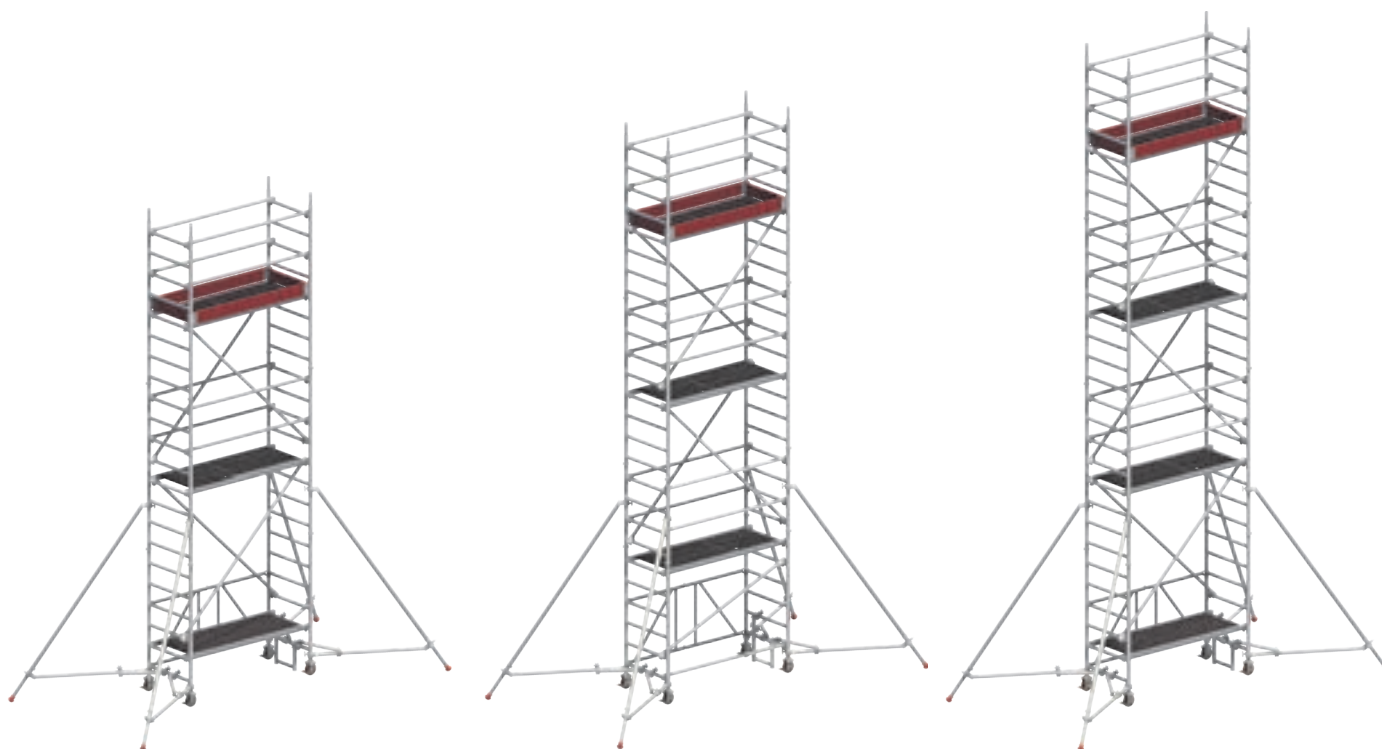
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

In central assembly, the ballast weights are distributed evenly over all four ladder frame standards. The remainder not divisible by 4 must be fitted in accordance with the instructions for assembly and use.

In off-set assembly on mobile beams, the ballast weights must be distributed evenly over the two ladder frame standards away from the wall.



1406235 Safety structure P2	1406236 Safety structure P2	1406237 Safety structure P2
6.61	7.61	8.61
5.83	6.83	7.83
4.61	5.61	6.61
197.2	223.0	245.6
0	12 r2	12 r2
L0 R8	L0 R10	L0 R14
0	0	0
12 r2	14 r4	18 r8
L0 R12	L0 R18	L0 R22
0	0	0

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UNI LIGHT

THE PRACTICAL ROLLING TOWER FOR WORKING IN CRAMPED CONDITIONS



The Uni Light tower is a compact and lightweight rolling tower for safer and comfortable working wherever you formerly needed a ladder – the standing surface of a full 1.30 m² permits unimpeded movement and the carrying of tools and material.

Its low weight and handy dimensions make the Uni Light particularly easy to transport, even in a van. Ladder frames of aluminium for push-fit assembly; rear guardrails and diagonal braces of aluminium snap in easily.

Work decks with aluminium frame and plywood insert, as a hatch-type deck for risk-free internal access.

Strong castors (permanently fitted) ensure particular stability.

Mobile rigid beam, made of steel, for widening the base; with spigots for optional mounting of the ladder frames for work on ceilings or walls.

The Uni Light family can also be equipped with stabilizers. Learn more about that on page 54.

TECHNICAL DATA

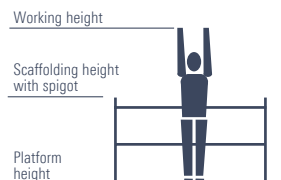
- ▶ Max. working height: 9.26 m
- ▶ Area of working platform: 0.75 x 1.80 m
- ▶ Permissible live load: 2 kN / m² (scaffolding group 3)





Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).

Tower model	Ref. No.	1403201	1403202 (3202)	1403203 (3203)	1403204 (3204)	1403205 (3205)	1403206 (3206)	1403207 (3207)
Guardrail 1.80 m	1205.180	0	4 (6)	9 (2)	8 (6)	13 (8)	12 (12)	17 (10)
Double guardrail 1.80 m	1206.180	2	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)
Diagonal brace 2.50 m	1208.180	0	2 (2)	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)
Diagonal brace 1.95 m	1208.195	0	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)
Horizontal diagonal brace 1.95 m	1209.180	0	0 (0)	0 (0)	0 (1)	0 (1)	0 (1)	0 (1)
Basic tube 1.80 m	1211.180	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Mobile beam 1.80 m without bar	1214.180	0	0 (2)	0 (2)	0 (2)	0 (2)	0 (2)	0 (2)
End toe board 0.75 m	1238.075	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Toe board 1.80 m with claw	1239.180	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Deck 1.80 m	1241.180	0	1 (0)	0 (0)	1 (0)	0 (0)	1 (0)	0 (0)
Access deck 1.80 m	1242.180	1	1 (1)	2 (1)	2 (1)	3 (2)	3 (2)	4 (2)
Spring clip 11 mm	1250.000	0	8 (8)	8 (8)	12 (12)	12 (12)	16 (16)	16 (16)
Ladder frame 75/4 – 1.00 m	1297.004	0	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)
Ladder frame 75/8 – 2.00 m	1297.008	2	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)
Castor 400 – 4 kN	1308.150	4	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)
Mobile beam 1.80 m with bar	1323.180	0	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)
Uni assembly hook	1300.001	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Ballast	1249.000	For requirement see table below						



The Uni Light family

Tower model			1403201	1403202 Safety structure P2	3202 Min. requirements DIN EN 1004	1403203 Safety structure P2	3203 Min. requirements DIN EN 1004
Working height [m]			3.11	4.26	4.26	5.26	5.26
Tower height [m]			2.33	3.48	3.48	4.48	4.48
Platform height [m]			1.11	2.26	2.26	3.26	3.26
Weight [kg] (without ballast)			52.3	133.1	110.4	159.7	120.6
Ballast (stated in units)							
In closed areas							
Assembly central*			I4 r4	0	0	0	4
Assembly off-set			X	0	2	L0 R2	6
Assembly off-set with wall bracing			X	0	0	0	4
Outdoors							
Assembly central*			I4 r4	0	0	0	4
Assembly off-set			X	0	4	L0 R4	8
Assembly off-set with wall bracing			X	0	0	0	4

* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required

For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

Example: I2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

Retrofitting table

Retrofitting the existing rolling tower to create the P2 design is possible using standard components of the Layher construction kit in the proven Layher quality.

Retrofit set	Ref. No.	1400021	1400022	1400023	1400024	1400025	1400026
<i>for tower model</i>		3202*	3203*	3204*	3205*	3206*	3207*
Guardrail 1.80 m	1205.180	0	3	4	1	2	3
Diagonal brace 1.95 m	1208.195	0	2	0	2	0	2
Basic tube 1.80 m	1211.180	1	1	1	1	1	1
Deck 1.80 m	1241.180	0	0	0	0	0	0
Access deck 1.80 m	1242.180	0	1	1	1	1	2
Uni assembly hook	1300.001	1	1	1	1	1	1

* If there are already mobile beams 1.80 m (1214.180) and/or double rear guardrails (1206.180) in your inventory, there's no need to replace them. They can still be used.

For compliance
with the OH & S
Layher recommends
the safety
structure P2.



1403204 Safety structure P2	3204 Min. requirements DIN EN 1004	1403205 Safety structure P2	3205 Min. requirements DIN EN 1004	1403206 Safety structure P2	3206 Min. requirements DIN EN 1004	1403207 Safety structure P2	3207 Min. requirements DIN EN 1004
6.26	6.26	7.26	7.26	8.26	8.26	9.26	9.26
5.48	5.48	6.48	6.48	7.48	7.48	8.48	8.48
4.26	4.26	5.26	5.26	6.26	6.26	7.26	7.26
181.5	138.1	208.1	177.1	229.9	191.1	256.5	205.9
I2 r2	8	I3 r3	12	I5 r5	12	I6 r6	16
L0 R4	10	L0 R6	14	L2 R8	12	L2 R10	16
L2 R2	8	L4 R2	10	L6 R4	12	L6 R6	14
I3 r3	10	I5 r5	14	I9 r9	20	I13 r13	26
L0 R6	12	L0 R10	20	L4 R14	20	X	26
L4 R2	8	L6 R4	10	L10 R8	12	X	14

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Uni Light with stabilizers, extendable



Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).

Tower model	Ref. No.	1403223	1403224	1403225	1403226	1403227
Guardrail 1.80 m	1205.180	10	10	14	14	18
Diagonal brace 2.50 m	1208.180	2	4	4	6	6
Diagonal brace 1.95 m	1208.195	2	0	2	0	2
End toe board 0.75 m	1238.075	2	2	2	2	2
Toe board 1.80 m with claw	1239.180	2	2	2	2	2
Access deck 1.80 m	1242.180	2	2	3	3	4
Alu stabilizer, extendable	1248.260	4	4	4	4	4
Rotation preventer	1248.261	4	4	4	4	4
Spring clip	1250.000	4	8	8	12	12
Ladder frame 75/4 – 1.00 m	1297.004	0	2	0	2	0
Ladder frame 75/8 – 2.00 m	1297.008	4	4	6	6	8
Castor 400 – 4 kN	1308.150	4	4	4	4	4
Access ledger 0.30 m	1344.002	1	1	1	1	1
Uni assembly hook	1300.001	1	1	1	1	1
Ballast	1249.000	For requirement see table below				



The Uni Light family with stabilizers

Tower model	 	1403223 Safety structure P2	1403224 Safety structure P2
Working height [m]		5.10	6.10
Tower height [m]		4.35	5.35
Platform height [m]		3.10	4.10
Weight [kg] (without ballast)		168.2	179.0
Ballast (stated in units)			
In closed areas			
Assembly central		0	0
Assembly off-set		L0 R4	L0 R8
Assembly off-set with wall bracing		0	0
Outdoors			
Assembly central		0	0
Assembly off-set		L0 R6	L0 R10
Assembly off-set with wall bracing		0	0

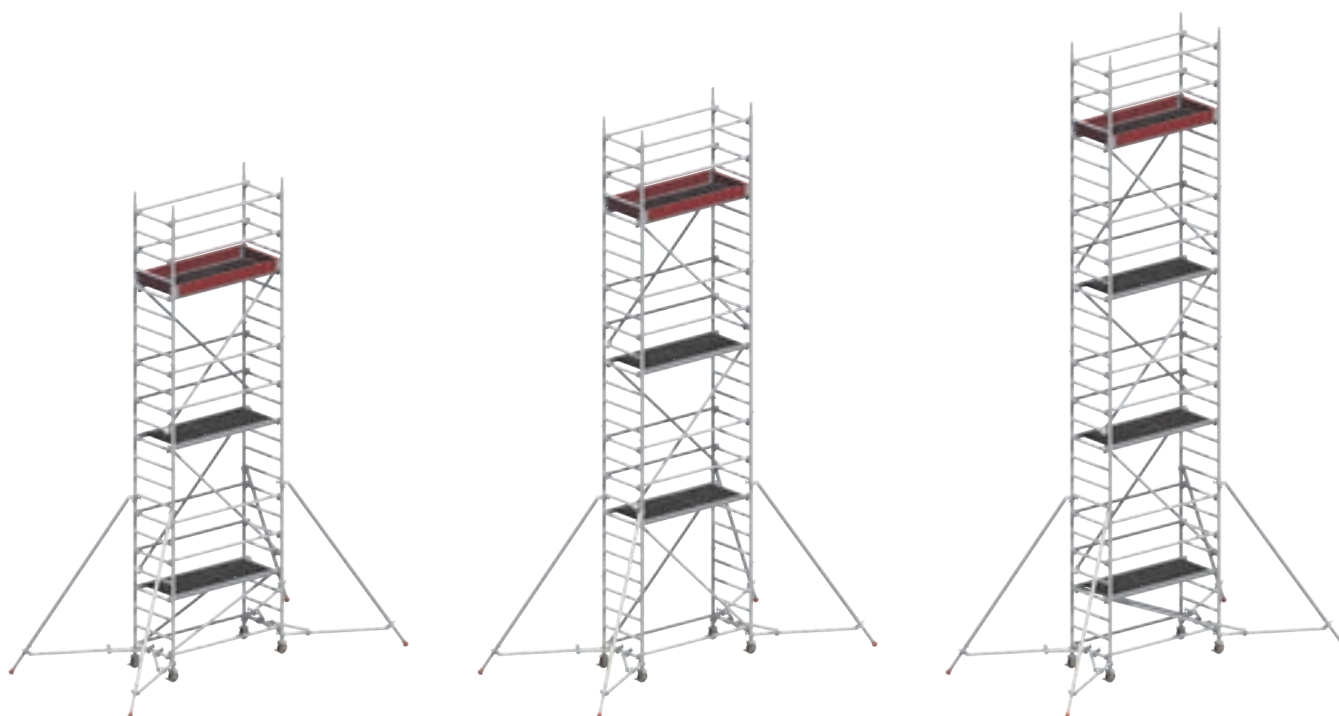
* Assembly with adjustable mobile beam, which must be fully extended. X = not possible/not permissible 0 = no ballast required

For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

Example: I2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

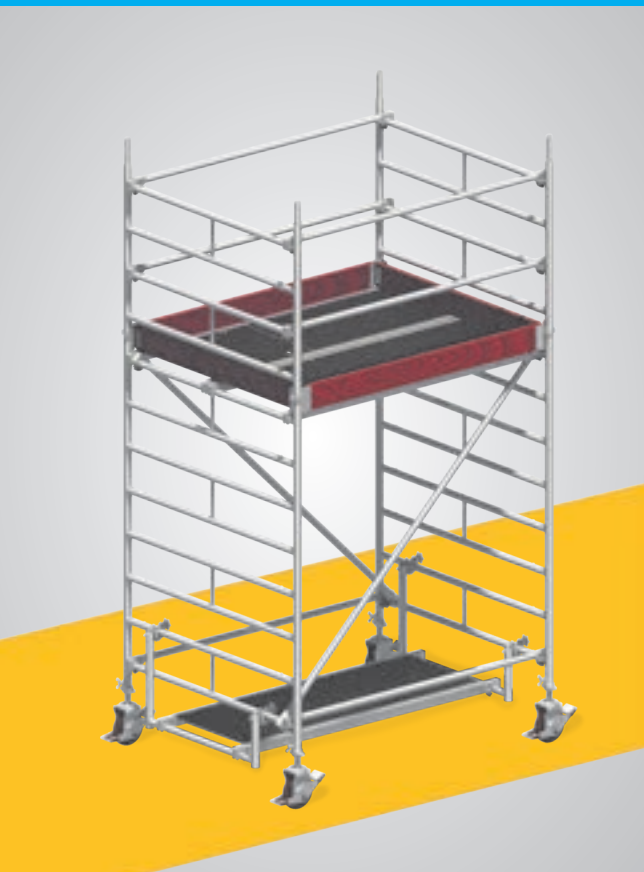


1403225 Safety structure P2	1403226 Safety structure P2	1403227 Safety structure P2
7.10	8.10	9.10
6.35	7.35	8.35
5.10	6.10	7.10
216.6	227.4	265.0
0	12 r2	12 r2
L0 R10	L0 R12	L0 R14
0	0	0
I3 r3	I6 r6	I8 r8
L0 R14	X	X
0	0	I2 r0

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UNI COMPACT

THE "COMPACT UNIVERSAL TOWER" WITH DOUBLE-WIDTH WORKING SURFACE



The universal tower with double-width working surface yet with compact basic dimensions – offering sufficient room for working at heights, even with materials, yet still leaving plenty of freedom to move.

Ladder frames (1.50 m wide) of aluminium for push-fit assembly; rear guardrails and diagonal braces of aluminium snap in easily.

Work decks with aluminium frame and plywood insert, as a hatch-type deck for risk-free internal access.

Sturdy castors with concentric load transmission after locking for particular stability, long steel spindles for levelling.

Base widening: With mobile beam made of steel, telescoping for work on ceilings or walls to choice, only needed at working heights of 8.38 m and above.

The Uni Compact family can also be equipped with stabilizers. Learn more about that on page 60.

TECHNICAL DATA

- ▶ Working height: 10.38 m
- ▶ Area of working platform: 1.50 x 1.80 m
- ▶ Permissible live load: 2 kN / m² (scaffolding group 3)





Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).

Tower model	Ref. No.	1405001	1405002 (5002)	1405003 (5003)	1405004 (5004)	1405005 (5005)	1405006 (5006)	1405007 (5007)	1405008 (5008)
Guardrail 1.80 m	1205.180	0	6 (6)	10 (2)	10 (6)	14 (8)	12 (9)	17 (9)	16 (11)
Double guardrail 1.80 m	1206.180	2	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)
Diagonal brace 2.50 m	1208.180	0	2 (2)	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)
Diagonal brace 1.95 m	1208.195	0	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)
Basic tube 1.80 m	1211.180	0	0 (0)	0 (0)	0 (0)	0 (0)	1 (0)	1 (0)	1 (0)
End toe board 1.50 m	1238.144	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Toe board 1.80 m with claw	1239.180	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Deck 1.80 m	1241.180	1	2 (1)	2 (1)	3 (1)	3 (2)	4 (2)	4 (2)	5 (2)
Access deck 1.80 m	1242.180	1	1 (1)	2 (1)	2 (1)	3 (2)	3 (2)	4 (2)	4 (2)
Spring clip 11 mm	1250.000	0	4 (4)	4 (4)	8 (8)	8 (8)	16 (16)	16 (16)	20 (20)
Castor 700 – 7 kN	1259.201	4	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)
Ladder frame 150/4 – 1.00 m	1299.004	0	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)
Ladder frame 150/8 – 2.00 m	1299.008	2	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)	8 (8)
Mobile beam with bar adj.	1323.320	0	0 (0)	0 (0)	0 (0)	0 (0)	2 (2)	2 (2)	2 (2)
Base strut 1.80 m	1324.180	0	0 (0)	0 (0)	0 (0)	0 (0)	0 (1)	0 (1)	0 (1)
Access ledger 0.75 m	1344.003	0	2 (1)	1 (1)	2 (1)	1 (1)	0 (0)	0 (0)	0 (0)
Uni assembly hook	1300.001	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Ballast	1249.000	For requirement see table below							



The Uni Compact family

Tower model			1405001	1405002 Safety structure P2	5002 Min. requirements DIN EN 1004	1405003 Safety structure P2	5003 Min. requirements DIN EN 1004
Working height [m]			3.20	4.20	4.20	5.20	5.20
Tower height [m]			2.43	3.43	3.43	4.43	4.43
Platform height [m]			1.20	2.20	2.20	3.20	3.20
Weight [kg] (without ballast)			94.0	152.5	134.6	192.0	150.0
Ballast (stated in units)							
In closed areas							
Assembly central*			0	I1 r1	0	I1 r1	4
Assembly off-set			X	X	X	X	X
Assembly off-set with wall bracing			0	I2 r0	X	I2 r0	X
Outdoors							
Assembly central*			0	I1 r1	0	I3 r3	6
Assembly off-set			X	X	X	X	X
Assembly off-set with wall bracing			0	I2 r0	X	I4 r0	X

* Assembly with adjustable mobile beam, which must be fully extended. X = not possible/not permissible 0 = no ballast required

For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

Example: I2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
 I6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
 r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

Retrofitting table

Retrofitting the existing rolling tower to create the P2 design is possible using standard components of the Layher construction kit in the proven Layher quality.

Retrofit set	Artikel-Nr.	1400027	1400028	1400029	1400030	1400031	1400032	1400033
for tower model		5002	5003	5004	5005	5006*	5007*	5008*
Guardrail 1.80 m	1205.180	0	4	4	2	3	4	5
Diagonal brace 1.95 m	1208.195	0	2	0	2	0	2	0
Deck 1.80 m	1241.180	1	1	2	1	2	2	3
Access deck 1.80 m	1242.180	0	1	1	1	1	2	2
Access ledger 0.75 m	1344.003	1	0	1	0	0	0	0
Uni assembly hook	1300.001	1	1	1	1	1	1	1

* If there is already a base strut (1324.180) and /or double rear guardrails (1206.180) in your inventory, there's no need to replace them. They can still be used.

For compliance
with the OH&S
Layher recommends
the safety
structure P2.



1405004 Safety structure P2	5004 Min. requirements DIN EN 1004	1405005 Safety structure P2	5005 Min. requirements DIN EN 1004	1405006 Safety structure P2	5006 Min. requirements DIN EN 1004	1405007 Safety structure P2	5007 Min. requirements DIN EN 1004	1405008 Safety structure P2	5008 Min. requirements DIN EN 1004
6.20	6.20	7.20	7.20	8.38	8.38	9.38	9.38	10.38	10.38
5.43	5.43	6.43	6.43	7.61	7.61	8.61	8.61	9.61	9.61
4.20	4.20	5.20	5.20	6.38	6.38	7.38	7.38	8.38	8.38
224.0	168.6	263.5	226.1	377.4	326.1	422.5	350.7	448.9	364.7
I4 r4	8	I4 r4	8	0	0	0	4	I1 r1	6
X	X	X	X	0	0	0	4	I1 r1	8
I4 r0	X	I4 r0	X	0	0	0	4	I1 r1	8
I7 r7	14	I11 r11	20	I13 r13	24	I17 r17	36	X	X
X	X	X	X	I13 r13	24	I17 r17	36	X	X
I10 r4	X	I14 r4	X	I13 r13	24	I17 r17	36	X	X

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Uni Compact with stabilizers, extendable



Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).

Tower model	Ref. No.	1405024	1405025	1405026	1405027	1405028
Guardrail 1.80 m	1205.180	10	14	14	18	18
Diagonal brace 2.50 m	1208.180	4	4	6	6	8
Diagonal brace 1.95 m	1208.195	0	2	0	2	0
End toe board 1.50 m	1238.144	2	2	2	2	2
Toe board 1.80 m with claw	1239.180	2	2	2	2	2
Access deck 1.80 m	1241.180	2	3	3	4	4
Access ledger 1.80 m	1242.180	2	3	3	4	4
Alu stabilizer, extendable	1248.260	4	4	4	4	4
Rotation preventer	1248.261	4	4	4	4	4
Spring clip	1250.000	8	8	12	12	16
Castor 700 – 7 kN	1259.201	4	4	4	4	4
Ladder frame 150/4 – 1.00 m	1299.004	2	0	2	0	2
Ladder frame 150/8 – 2.00 m	1299.008	4	6	6	8	8
Access ledger 0.75 m	1344.003	1	1	1	1	1
Uni assembly hook	1300.001	1	1	1	1	1
Ballast	1249.000	For requirement see table below				



The Uni Compact family with stabilizers

Tower model	 	1405024 Safety structure P2	1405025 Safety structure P2
Working height [m]		6.20	7.20
Tower height [m]		5.45	6.45
Platform height [m]		4.20	5.20
Weight [kg] (without ballast)		252.6	308.7
Ballast (stated in units)			
In closed areas			
Assembly central		0	0
Assembly off-set		L0 R2	L0 R2
Assembly off-set with wall bracing		0	0
Outdoors			
Assembly central		I2 r2	I4 r4
Assembly off-set		L0 R4	L0 R6
Assembly off-set with wall bracing		0	0

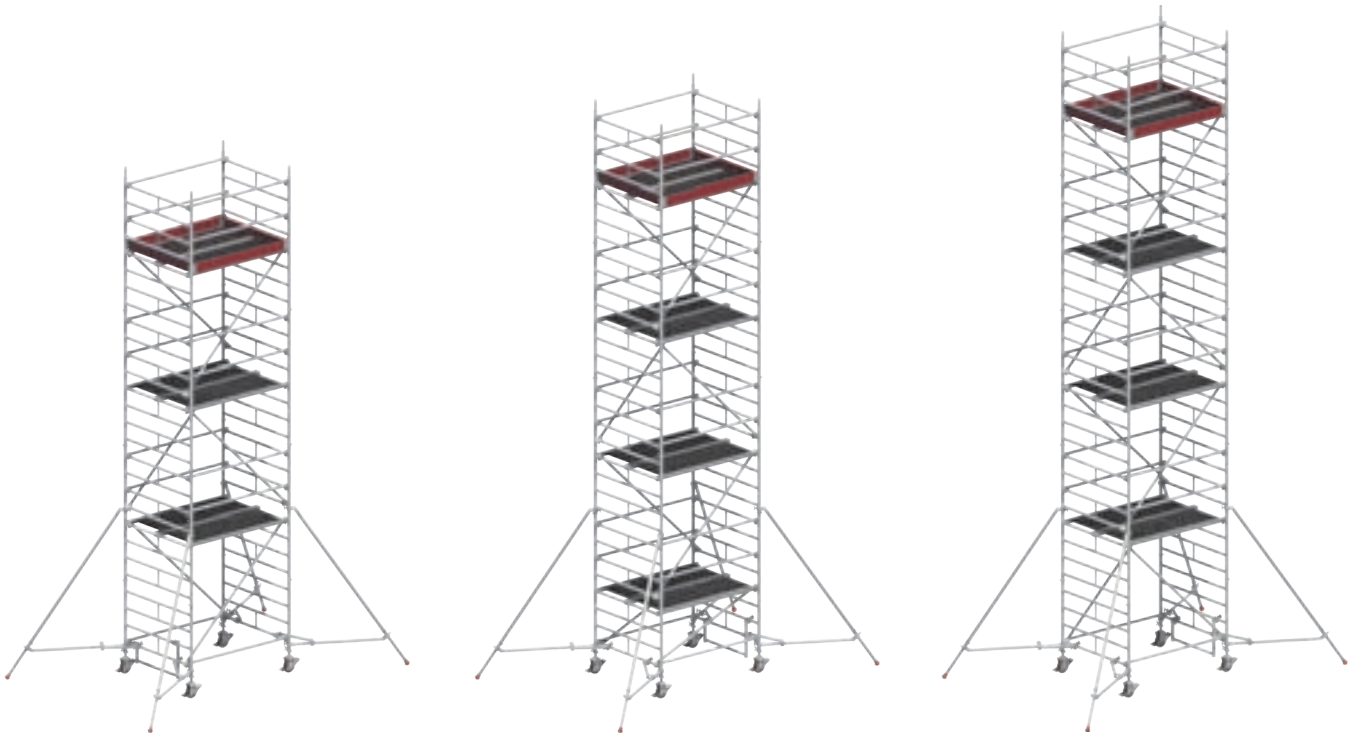
* Assembly with adjustable mobile beam, which must be fully extended. X = not possible/not permissible 0 = no ballast required

For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

Example: I2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
 L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
 r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).



1405026 Safety structure P2	1405027 Safety structure P2	1405028 Safety structure P2
8.20	9.20	10.20
7.45	8.45	9.45
6.20	7.20	8.20
324.1	380.2	395.6
0	0	0
L0 R4	L0 R4	L0 R6
0	0	0
I9 r9	I12 r12	X
L0 R10	L0 R14	X
0	0	X

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UNI STANDARD

THE "MOST FLEXIBLE ROLLING TOWER" FOR VERY GREAT HEIGHTS



For work on walls and ceilings, on machinery, in technical plant, factories and warehouses, indoors and outdoors.

Ladder frames of aluminium for push-fit assembly; rear guardrails and diagonal braces of aluminium snap in easily.

Work decks with aluminium frame and plywood insert, also as a hatch-type deck for risk-free internal access.

Sturdy castors with concentric load transmission after locking for particular stability, long steel spindles for levelling.

Base widening: With mobile beam made of steel, rigid or telescopic, with spigots for optional mounting of ladder frames for work on ceilings and walls; alternatively with stabilizers see page 66.

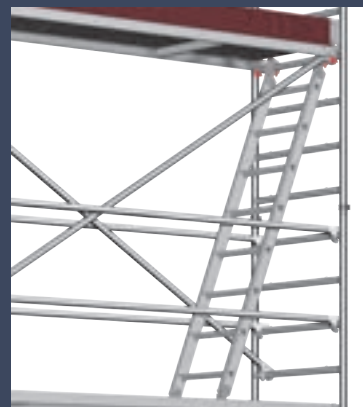
TECHNICAL DATA

- ▶ Working height: 13.38 m
- ▶ Area of working platform: 0.75 x 2.85 m
- ▶ Permissible live load: 2 kN / m² (scaffolding group 3)

Convenient access

For even more safety and even more convenient access, the Uni Standard P2 can also be supplied with suspended ladders with wide steps.

For requirement see page 64.





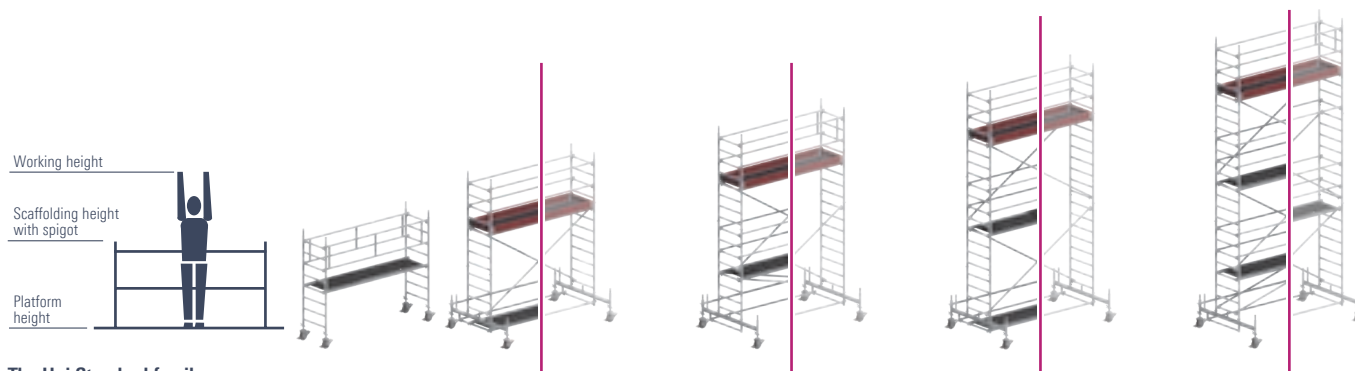
Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).



Tower model	Ref. No.	1401101	1401102 (1102)	1401103 (1103)	1401104 (1104)	1401105 (1105)	1401106 (1106)	1401107 (1107)	1401108 (1108)	1401109 (1109)	1401110 (1110)	1401111 (1111)
Guardrail 2.85 m	1205.285	0	4 (5)	9 (1)	8 (5)	13 (7)	12 (9)	17 (9)	16 (11)	21 (13)	20 (15)	25 (15)
Double guardrail 2.85 m	1206.285	2	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)
Diagonal brace 3.35 m	1208.285	0	2 (2)	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)	8 (8)	10 (10)	10 (10)
Diagonal brace 2.95 m	1208.295	0	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)
Basic tube 2.85 m	1211.285	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
End toe board 0.75 m	1238.075	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Toe board 2.85 m with claw	1239.285	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Deck 2.85 m	1241.285	0	1 (0)	0 (0)	1 (0)	0 (0)	1 (0)	0 (0)	1 (0)	0 (0)	1 (0)	0 (0)
Access deck 2.85 m	1242.285	1	1 (1)	2 (1)	2 (1)	3 (2)	3 (2)	4 (2)	4 (2)	5 (3)	5 (3)	6 (3)
Spring clip 11 mm	1250.000	0	8 (8)	8 (8)	12 (12)	12 (12)	16 (16)	16 (16)	20 (20)	20 (20)	24 (24)	24 (24)
Castor 700 – 7 kN	1259.201	4	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)
Ladder frame 75/4 – 1.00 m	1297.004	0	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)
Ladder frame 75/8 – 2.00 m	1297.008	2	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)	8 (8)	10 (10)	10 (10)	12 (12)
Mobile beam with bar	1323.180	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Mobile beam with bar adj.	1323.320	0	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Base strut 2.85 m	1324.285	0	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)
Uni assembly hook	1300.001	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Ballast	1249.000	For requirement see table below										

Extra requirement for suspended step ladders – usable for safety structure P2

Tower model	Ref. No.	1401101	1401102	1401103	1401104	1401105	1401106	1401107	1401108	1401109	1401110	1401111
Suspended ladder, 8 rungs	1314.108	0	1	1	2	2	3	3	4	4	5	5
Ladder support set for 1314.108	1314.109	0	1	0	1	0	1	0	1	0	1	0



The Uni Standard family

Tower model	 	1401101	1401102 Safety structure P2	1102 Min. requirements DIN EN 1004	1401103 Safety structure P2	1103 Min. requirements DIN EN 1004	1401104 Safety structure P2	1104 Min. requirements DIN EN 1004	1401105 Safety structure P2	1105 Min. requirements DIN EN 1004
Working height [m]		3.20	4.35	4.35	5.35	5.35	6.35	6.35	7.35	7.35
Tower height [m]		2.43	3.58	3.58	4.58	4.58	5.58	5.58	6.58	6.58
Platform height [m]		1.20	2.35	2.35	3.35	3.35	4.35	4.35	5.35	5.35
Weight [kg] (without ballast)		81.9	181.5	161.0	216.4	170.4	243.3	186.8	278.2	239.4
Ballast (stated in units)										
In closed areas										
Assembly central*	I2 r2	0	0	0	0	0	0	0	0	0
Assembly off-set	X	0	0	0	0	I0 r2	L0 R4	I0 r4	L0 R4	I0 r5
Assembly off-set with wall bracing	X	0	0	0	0	0	0	0	0	0
Assembly central with 1 bracket*	X	0	0	0	0	L0 R8	L0 R2	L0 R4	L0 R4	L0 R4
Assembly central with 2 brackets*	X	0	0	0	0	0	0	0	0	0
Outdoors										
Assembly central*	I2 r2	0	0	I1 r1	I0 r1	I5 r5	I4 r4	I9 r9	I9 r9	I9 r9
Assembly off-set	X	L0 R2	0	L0 R6	I0 r5	L0 R10	I0 r9	L4 R16	I2 r14	I2 r14
Assembly off-set with wall bracing	X	0	0	0	0	0	0	L4 R0	I2 r0	I2 r0
Assembly central with 1 bracket*	X	L0 R4	L0 R4	L0 R8	L0 R8	L2 R12	L2 R12	L6 R16	L6 R16	L6 R16
Assembly central with 2 brackets*	X	I2 r2	X	I5 r5	X	I8 r8	X	X	X	X

* Assembly with adjustable mobile beam, which must be fully extended. X = not possible/not permissible 0 = no ballast required

For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler. All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

Example: I2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
 L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
 r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; I and L relate to the side facing the scaffolding (see instructions for assembly and use).

Retrofitting table

Retrofitting the existing rolling tower to create the P2 design is possible using standard components of the Layher construction kit in the proven Layher quality.

Retrofit set	Ref. No.	1400001	1400002	1400003	1400004	1400005	1400006	1400007	1400008	1400009	1400010
<i>for tower model</i>		1102*	1103*	1104*	1105*	1106*	1107*	1108*	1109*	1110*	1111*
Guardrail 2.85 m	1205.285	0	4	3	2	3	4	5	4	5	6
Diagonal brace 2.95 m	1208.295	0	2	0	2	0	2	0	2	0	2
Deck 2.85 m	1241.285	1	0	1	0	1	0	1	0	1	0
Access deck 2.85 m	1242.285	0	1	1	1	1	2	2	2	2	3
Uni assembly hook	1300.001	1	1	1	1	1	1	1	1	1	1

* If there is already a base strut (1324.285) and/or double rear guardrails (1206.285) in your inventory, there's no need to replace them. They can still be used.

For compliance
with the OH & S
Layher recommends
the safety
structure P2.



1401106 Safety structure P2	1106 Min. requirements DIN EN 1004	1401107 Safety structure P2	1107 Min. requirements DIN EN 1004	1401108 Safety structure P2	1108 Min. requirements DIN EN 1004	1401109 Safety structure P2	1109 Min. requirements DIN EN 1004	1401110 Safety structure P2	1110 Min. requirements DIN EN 1004	1401111 Safety structure P2	1111 Min. requirements DIN EN 1004
8.35	8.35	9.38	9.38	10.38	10.38	11.38	11.38	12.38	12.38	13.38	13.38
7.58	7.58	8.61	8.61	9.61	9.61	10.61	10.61	11.61	11.61	12.61	12.61
6.35	6.35	7.38	7.38	8.38	8.38	9.38	9.38	10.38	10.38	11.38	11.38
305.1	248.6	391.2	323.6	418.1	332.8	453.0	385.4	479.9	394.6	514.8	418.4
0	I2 r2	0	0	0	0	0	0	0	0	0	0
LO R6	IO r8	LO R4	LO R6	LO R6	LO R8	LO R6	LO R9	LO R8	LO R10	LO R10	LO R12
0	0	0	0	0	0	0	0	0	0	0	0
LO R6	LO R8	0	0	0	0	0	0	0	0	0	0
0	I2 r2	0	0	0	0	0	0	0	X	0	X
I15 r15	I12 r13	I2 r2	L1 R1	X	X	X	X	X	X	X	X
L10 R22	I6 r18	LO R18	LO R17	X	X	X	X	X	X	X	X
L10 R0	I6 r0	0	L1 R0	X	X	X	X	X	X	X	X
L12 R22	L10 R20	X	0	X	0	X	0	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X

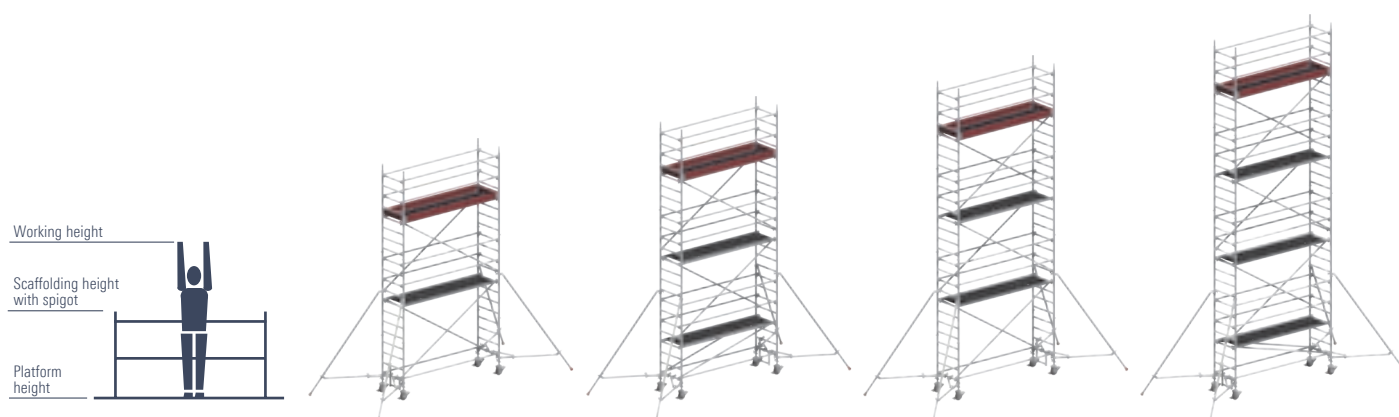
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Uni Standard with stabilizers

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).

		Uni Standard P2 with stabilizers, extendable							
Tower model	Ref. No.	1401124	1401125	1401126	1401127	1401128	1401129	1401130	1401131
Guardrail 2.85 m	1205.285	10	14	14	18	18	22	22	26
Diagonal brace 3.35 m	1208.285	4	4	6	6	8	8	10	10
Diagonal brace 2.95 m	1208.295	0	2	0	2	0	2	0	2
End toe board 0.75 m	1238.075	2	2	2	2	2	2	2	2
Toe board 2.85 m with claw	1239.285	2	2	2	2	2	2	2	2
Access deck 2.85 m	1242.285	2	3	3	4	4	5	5	6
Stabilizer, extendable	1248.260	4	4	4	4	4	4	4	4
Rotation preventer	1248.261	4	4	4	4	4	4	4	4
Stabilizer, 5 m	1248.500	0	0	0	0	0	0	0	0
Spring clip 11 mm	1250.000	8	8	12	12	16	16	20	20
Castor 700 – 7 kN	1259.201	4	4	4	4	4	4	4	4
Ladder frame 75/4 – 1.00 m	1297.004	2	0	2	0	2	0	2	0
Ladder frame 75/8 – 2.00 m	1297.008	4	6	6	8	8	10	10	12
Access ledger	1344.002	1	1	1	1	1	1	1	1
Uni assembly hook	1300.001	1	1	1	1	1	1	1	1
Ballast	1249.000	For requirement see table below							



The Uni Standard family with stabilizers, extendable

Tower model	1401124 Safety structure P2	1401125 Safety structure P2	1401126 Safety structure P2	1401127 Safety structure P2
Working height [m]	6.20	7.20	8.20	9.20
Tower height [m]	5.43	6.43	7.43	8.43
Standing height [m]	4.20	5.20	6.20	7.20
Weight [kg] (without ballast)	232.2	283.5	294.0	345.3
Ballast (stated in units)				
In closed areas				
Assembly central	0	0	0	0
Assembly off-set	L0 R6	L0 R8	L0 12R	L0 R12
Assembly off-set with wall bracing	0	0	0	0
Outdoors				
Assembly central	0	0	0	0
Assembly off-set	L0 R16	L0 R20	L0 R28	L0 R34
Assembly off-set with wall bracing	0	0	0	0

* Assembly with adjustable mobile beam, which must be fully extended. X = not possible/not permissible 0 = no ballast required

For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

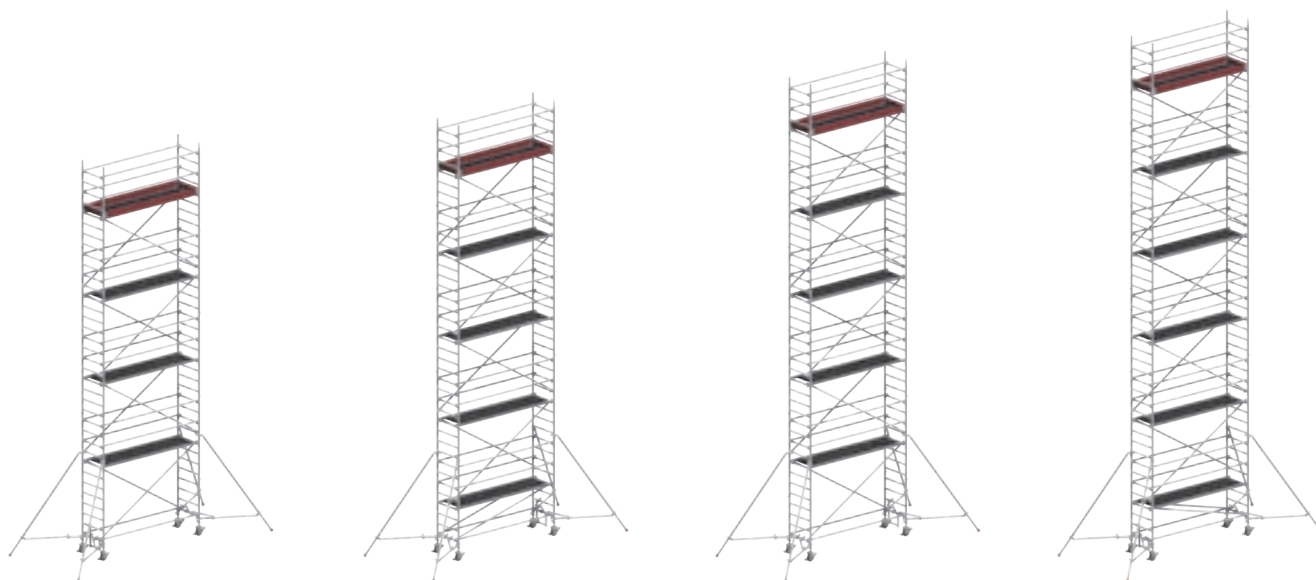
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

Example: L2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
 L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
 r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

Uni Standard P2 with stabilizers, 5 m						
1401145	1401146	1401147	1401148	1401149	1401150	1401151
14	14	18	18	22	22	26
4	6	6	8	8	10	10
2	0	2	0	2	0	2
2	2	2	2	2	2	2
2	2	2	2	2	2	2
3	3	4	4	5	5	6
0	0	0	0	0	0	0
4	4	4	4	4	4	4
4	4	4	4	4	4	4
8	12	12	16	16	20	20
4	4	4	4	4	4	4
0	2	0	2	0	2	0
6	6	8	8	10	10	12
1	1	1	1	1	1	1
1	1	1	1	1	1	1
For requirement see table on the right						

1401145 Safety structure P2	1401146 Safety structure P2	1401147 Safety structure P2	1401148 Safety structure P2	1401149 Safety structure P2	1401150 Safety structure P2	1401151 Safety structure P2
7.20	8.20	9.20	10.20	11.20	12.20	13.20
6.43	7.43	8.43	9.43	10.43	11.43	12.43
5.20	6.20	7.20	8.20	9.20	10.20	11.20
309.1	319.6	370.9	381.4	432.7	443.2	494.5
0	0	0	0	0	0	0
LO R6	LO R8	LO R8	LO R10	LO R12	LO R14	LO R14
0	0	0	0	0	0	0
0	0	0	X	X	X	X
LO R16	LO R20	X	X	X	X	X
0	0	0	X	X	X	X



1401128 Safety structure P2	1401129 Safety structure P2	1401130 Safety structure P2	1401131 Safety structure P2
10.20	11.20	12.20	13.20
9.43	10.43	11.43	12.43
8.20	9.20	10.20	11.20
355.8	407.1	417.6	468.9
0	0	0	0
LO R16	LO R18	LO R20	LO R22
0	0	0	0
X	X	X	X
X	X	X	X
X	X	X	X

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UNI WIDE

THE UNIVERSAL TOWER WITH "DOUBLE-WIDTH" WORKING SURFACE



The universal tower with double-width working surface provides a comfortable workplace at great heights.

Ideal for working with bulky materials while assuring the necessary freedom of movement.

Ladder frames (1.50 m wide) of aluminium for push-fit assembly; rear guard-rails and diagonal braces of aluminium snap in easily.

Work decks with aluminium frame and plywood insert, as a hatch-type deck for risk-free internal access.

Sturdy castors with concentric load transmission after locking for particular stability, long steel spindles for levelling.

Base widening: With mobile beam made of steel, telescopic for work on ceilings and walls if required; only necessary for working height of 8.60 m and above, alternatively with stabilizers (see page 72 in this respect and also instructions for assembly and use).

TECHNICAL DATA

- ▶ Working height: 13.38 m
- ▶ Area of working platform: 1.50 x 2.85 m
- ▶ Permissible live load: 2 kN / m² (scaffolding group 3)

Convenient access

For even more safety and even more convenient access, the Uni Wide P2 can also be supplied with suspended ladders with wide steps.

For requirement see page 70.





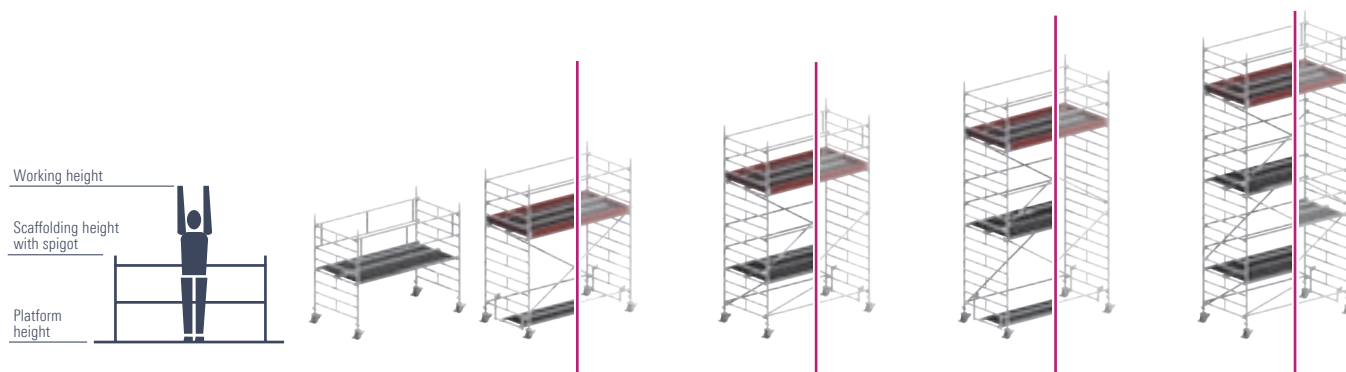
Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).



Tower model	Ref. No.	1402101	1402102 (2102)	1402103 (2103)	1402104 (2104)	1402105 (2105)	1402106 (2106)	1402107 (2107)	1402108 (2108)	1402109 (2109)	1402110 (2110)	1402111 (2111)
Guardrail 2.85 m	1205.285	0	6 (6)	10 (2)	10 (6)	14 (8)	12 (9)	17 (9)	16 (11)	21 (13)	20 (15)	25 (15)
Double guardrail 2.85 m	1206.285	2	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)
Diagonal brace 3.35 m	1208.285	0	2 (2)	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)	8 (8)	10 (10)	10 (10)
Diagonal brace 2.95 m	1208.295	0	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)
Basic tube 2.85 m	1211.285	0	0 (0)	0 (0)	0 (0)	0 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
End toe board 1.44 m	1238.144	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Toe board 2.85 m with claw	1239.285	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Deck 2.85 m	1241.285	1	2 (1)	2 (1)	3 (1)	3 (2)	4 (2)	4 (2)	5 (2)	5 (3)	6 (3)	6 (3)
Access deck 2.85 m	1242.285	1	1 (1)	2 (1)	2 (1)	3 (2)	3 (2)	4 (2)	4 (2)	5 (3)	5 (3)	6 (3)
Spring clip 11 mm	1250.000	0	4 (4)	4 (4)	8 (8)	8 (8)	16 (16)	16 (16)	20 (20)	20 (20)	24 (24)	24 (24)
Castor 700 – 7 kN	1259.201	4	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)
Ladder frame 150/4 – 1.00 m	1299.004	0	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)
Ladder frame 150/8 – 2.00 m	1299.008	2	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)	8 (8)	10 (10)	10 (10)	12 (12)
Mobile beam with bar adj.	1323.320	0	0 (0)	0 (0)	0 (0)	0 (0)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Base strut 2.85 m	1324.285	0	0 (0)	0 (0)	0 (0)	0 (0)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)
Access ledger 0.75 m	1344.003	0	2 (1)	1 (1)	2 (1)	1 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Uni assembly hook	1300.001	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Ballast	1249.000	For requirement see table below										

Extra requirement for suspended step ladders – usable for safety structure P2

Tower model	Ref. No.	1402101	1402102	1402103	1402104	1402105	1402106	1402107	1402108	1402109	1402110	1402111
Suspended step ladder, 8 rungs	1314.108	0	1	1	2	2	3	3	4	4	5	5
Ladder support set for 1314.108	1314.109	0	1	0	0	0	1	0	1	0	1	0



The Uni Wide family

Tower model			1402101	1402102 Safety structure P2	2102 Min. requirements DIN EN 1004	1402103 Safety structure P2	2103 Min. requirements DIN EN 1004	1402104 Safety structure P2	2104 Min. requirements DIN EN 1004	1402105 Safety structure P2	2105 Min. requirements DIN EN 1004
Working height [m]			3.20	4.20	4.20	5.20	5.20	6.20	6.20	7.20	7.20
Tower height [m]			2.43	3.43	3.43	4.43	4.43	5.43	5.43	6.43	6.43
Standing height [m]			1.20	2.20	2.20	3.20	3.20	4.20	4.20	5.20	5.20
Weight [kg] (without ballast)			111.7	187.1	162.6	240.3	177.2	278.7	198.2	331.9	276.0
Ballast (stated in units)											
In closed areas											
Assembly central*			0	0	0	0	I2 r2	I1 r1	I4 r4	I1 r1	I4 r4
Assembly off-set			X	X	X	X	X	X	X	X	X
Assembly off-set with wall bracing			X	X		X		X		X	
Assembly central with 1 bracket*			X	I0 r10	I0 r8	I0 r10	I0 r12	I0 r12	I0 r14	I0 r12	I0 r14
Assembly central with 2 brackets*			X	I3 r3	I3 r3	I2 r2	I16 r16	I5 r5	I8 r8	I4 r4	I7 r7
Outdoors											
Assembly central*			0	I3 r3	I3 r3	I6 r6	I6 r6	I11 r11	I11 r11	I16 r16	I16 r16
Assembly off-set			X	X	X	X	X	X	X	X	X
Assembly off-set with wall bracing			X	X	X	X	X	X	X	X	X
Assembly central with 1 bracket*			X	I0 r18	I0 r18	I0 r22	I22 r22	I6 r28	I6 r26	X	I12 r30
Assembly central with 2 brackets*			X	I14 r14	I10 r10	I16 r16	X	X	X	X	X

* Assembly with adjustable mobile beam, which must be fully extended. X = not possible/not permissible 0 = no ballast required

For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler. All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

Example: I2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
 I6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
 r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; I and L relate to the side facing the scaffolding (see instructions for assembly and use).

Retrofitting table

Retrofitting the existing rolling tower to create the P2 design is possible using standard components of the Layher construction kit in the proven Layher quality.

Retrofit set	Ref. No.	1400011	1400012	1400013	1400014	1400015	1400016	1400017	1400018	1400019	1400020
<i>for tower model</i>		2102	2103	2104	2105	2106*	2107*	2108*	2109*	2110*	2111*
Guardrail 2.85 m	1205.285	0	4	4	2	3	4	5	4	5	6
Diagonal brace 2.95 m	1208.295	0	2	0	2	0	2	0	2	0	2
Deck 2.85 m	1241.285	1	1	2	1	2	2	3	2	3	3
Access deck 2.85 m	1242.285	0	1	1	1	1	2	2	2	2	3
Access ledger 0.75 m	1344.003	1	0	1	0	0	0	0	0	0	0
Uni assembly hook	1300.001	1	1	1	1	1	1	1	1	1	1

* If there is already a base strut (1324.285) and / or double rear guardrails (1206.285) in your inventory, there's no need to replace them. They can still be used.

For compliance
with the OH & S
Layher recommends
the safety
structure P2.



1402106 Safety structure P2	2106 Min. requirements DIN EN 1004	1402107 Safety structure P2	2107 Min. requirements DIN EN 1004	1402108 Safety structure P2	2108 Min. requirements DIN EN 1004	1402109 Safety structure P2	2109 Min. requirements DIN EN 1004	1402110 Safety structure P2	2110 Min. requirements DIN EN 1004	1402111 Safety structure P2	2111 Min. requirements DIN EN 1004
8.38	8.38	9.38	9.38	10.38	10.38	11.38	11.38	12.38	12.38	13.38	13.38
7.61	7.61	8.61	8.61	9.61	9.61	10.61	10.61	11.61	11.61	12.61	12.61
6.38	6.38	7.38	7.38	8.38	8.38	9.38	9.38	10.38	10.38	11.38	11.38
454.1	377.6	514.2	406.6	545.7	420.4	605.8	498.2	637.3	512.0	697.4	541.0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	L0 R2	0	L0 R2
0		0		0		0		0		0	
0	0	0	0	0	0	0	0	0	0	X	0
0	0	0	0	X	0	X	X	X	X	X	X
0	L1 R1	0	L5 R5	X	X	X	X	X	X	X	X
L0 R8	L0 R6	L0 R12	L4 R14	X	X	X	X	X	X	X	X
0	L2 R0	0	L8 R2	X	X	X	X	X	X	X	X
X	L0 R6	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X

All dimensions and weights are guideline values. Subject to technical modification. Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. Title to the delivered goods shall be retained until full payment has been made. When purchasing, you receive instructions for assembly and use that must be followed without fail or assembly, dismantling and use.

Uni Wide with stabilizers



Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).

		Uni Wide P2 with stabilizers, extendable					
Tower model	Ref. No.	1402126	1402127	1402128	1402129	1402130	1402131
Guardrail 2.85 m	1205.285	14	18	18	22	22	26
Diagonal brace 3.35 m	1208.285	6	6	8	8	10	10
Diagonal brace 2.95 m	1208.295	0	2	0	2	0	2
End toe board 1.44 m	1238.144	2	2	2	2	2	2
Toe board 2.85 m with claw	1239.285	2	2	2	2	2	2
Deck 2.85 m	1241.285	3	4	4	5	5	6
Access deck 2.85 m	1242.285	3	4	4	5	5	6
Stabilizer, extendable	1248.260	4	4	4	4	4	4
Rotation preventer	1248.261	4	4	4	4	4	4
Stabilizer, 5 m	1248.500	0	0	0	0	0	0
Spring clip 11 mm	1250.000	12	12	16	16	20	20
Castor 700 – 7 kN	1259.201	4	4	4	4	4	4
Ladder frame 150/4 – 1.00 m	1299.004	2	0	2	0	2	0
Ladder frame 150/8 – 2.00 m	1299.008	6	8	8	10	10	12
Access ledger 0.75 m	1344.003	1	1	1	1	1	1
Uni assembly hook	1300.001	1	1	1	1	1	1
Ballast	1249.000	For requirement see table below					



The Uni Wide family with stabilizers, extendable

Tower model			1402126 Safety structure P2	1402127 Safety structure P2	1402128 Safety structure P2
Working height [m]			8.20	9.20	10.20
Tower height [m]			7.43	8.43	9.43
Standing height [m]			6.20	7.20	8.20
Weight [kg] (without ballast)			392.2	468.7	483.8
Ballast (stated in units)					
In closed areas					
Assembly central			0	0	0
Assembly off-set			L0 R2	L0 R2	L0 R2
Assembly off-set with wall bracing			0	0	0
Outdoors					
Assembly central			0	0	X
Assembly off-set			L0 R14	L0 R18	X
Assembly off-set with wall bracing			0	0	X

* Assembly with adjustable mobile beam, which must be fully extended. X = not possible/not permissible 0 = no ballast required

For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

Example: I2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
 L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
 r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

Uni Wide P2 with stabilizers, 5 m

1402146	1402147	1402148	1402149	1402150	1402151
14	18	18	22	22	26
6	6	8	8	10	10
0	2	0	2	0	2
2	2	2	2	2	2
2	2	2	2	2	2
3	4	4	5	5	6
3	4	4	5	5	6
0	0	0	0	0	0
4	4	4	4	4	4
4	4	4	4	4	4
12	12	16	16	20	20
4	4	4	4	4	4
2	0	2	0	2	0
6	8	8	10	10	12
1	1	1	1	1	1
1	1	1	1	1	1

For requirement see table on the right

1402146 Safety structure P2	1402147 Safety structure P2	1402148 Safety structure P2	1402149 Safety structure P2	1402150 Safety structure P2	1402151 Safety structure P2
8.20	9.20	10.20	11.20	12.20	13.20
7.43	8.43	9.43	10.43	11.43	12.43
6.20	7.20	8.20	9.20	10.20	11.20
417.8	494.3	509.4	585.9	601.0	677.5

0	0	0	0	0	0
0	0	LO R2	LO R2	LO R2	LO R2
0	0	0	0	0	0
0	0	X	X	X	X
LO R10	LO R12	X	X	X	X
0	0	X	X	X	X



1402129 Safety structure P2	1402130 Safety structure P2	1402131 Safety structure P2
11.20	12.20	13.20
10.43	11.43	12.43
9.20	10.20	11.20
560.3	575.4	651.9
0	0	0
LO R2	LO R4	LO R4
0	0	0
X	X	X
X	X	X
X	X	X

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UNI COMFORT

THE UNIVERSAL TOWER WITH CONVENIENT STAIRWAY ACCESS



The Uni Comfort tower is the compact tower, ideally suited to assembly and maintenance work etc.

The convenient stairway access with full-length handrail facilitates frequent ascent and descent, easily overcomes great heights and leaves the hands free to carry tools and material.

Ladder frames (1.50 m wide) of aluminium for push-fit assembly; rear guardrails and diagonal braces of aluminium snap in easily.

Work decks with aluminium frame and plywood insert, as a hatch-type deck opening over the entire length for convenient internal access.

Sturdy castors with concentric load transmission after locking for particular stability, long steel spindles for levelling.

Outriggers for base widening can be attached without using tools; fitting them with castors permits safer movement of the tower without dismantling it.

TECHNICAL DATA

- ▶ Working height: 14.20 m
- ▶ Area of working platform: 1.50 x 1.80 m
- ▶ Permissible live load: 2 kN / m² (scaffolding group 3)



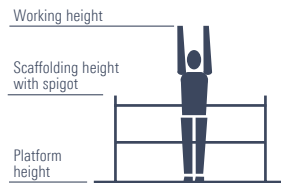
Layher. 8

Layher. 8

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 86 onwards).

Tower model	Ref. No.	4201	4202	4203	4204	4205	4206
Guardrail 1.80 m	1205.180	5	8	11	14	17	20
Diagonal brace 2.50 m	1208.180	1	2	3	4	5	6
Horizontal diagonal brace 2.95 m	1209.285	0	0	2	2	2	2
Landing stairway 1.80 m	1212.180	1	2	3	4	5	6
Stairway guardrail 3.07 m	1213.180	0	1	2	3	4	5
Outrigger 1.50 m	1216.000	0	0	4	4	4	4
End toe board 1.44 m	1238.144	2	2	2	2	2	2
Toe board 1.80 m with claw	1239.180	2	2	2	2	2	2
Deck 1.80 m	1241.180	2	3	4	5	6	7
Stairway access deck 1.80 m	1243.180	1	1	1	1	1	1
Spring clip	1250.000	4	8	12	16	20	24
Castor 700 – 7 kN	1259.201	4	4	8	8	8	8
Ladder frame 150/4 – 1.00 m	1299.004	2	2	2	2	2	2
Ladder frame 150/8 – 2.00 m	1299.008	2	4	6	8	10	12
Horizontal diagonal brace, adj.	1318.000	0	0	2	2	2	2
Base strut 1.80 m	1324.180	1	1	1	1	1	1
Stairway guardrail 1.20 m	1327.120	1	1	1	1	1	1
Access ledger 0.75 m	1344.003	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below					



The Uni Comfort family

Tower model	TUV SUD	4201	4202
Working height [m]		4.20	6.20
Tower height [m]		3.43	5.43
Standing height [m]		2.20	4.20
Weight [kg] (without ballast)		166.3	236.5
Ballast (stated in units)			
In closed areas			
Without outrigger		0	6
Outriggers on both sides		△	△
Outriggers on one side		△	△
Outriggers on one side with wall bracing		△	△
Outdoors			
Without outrigger		2	16
Outriggers on both sides		△	△
Outriggers on one side		△	△
Outriggers on one side with wall bracing		△	△

X = not possible/not permissible 0 = no ballast required △ = Erection with additional parts, only possible after consulting the manufacturer.

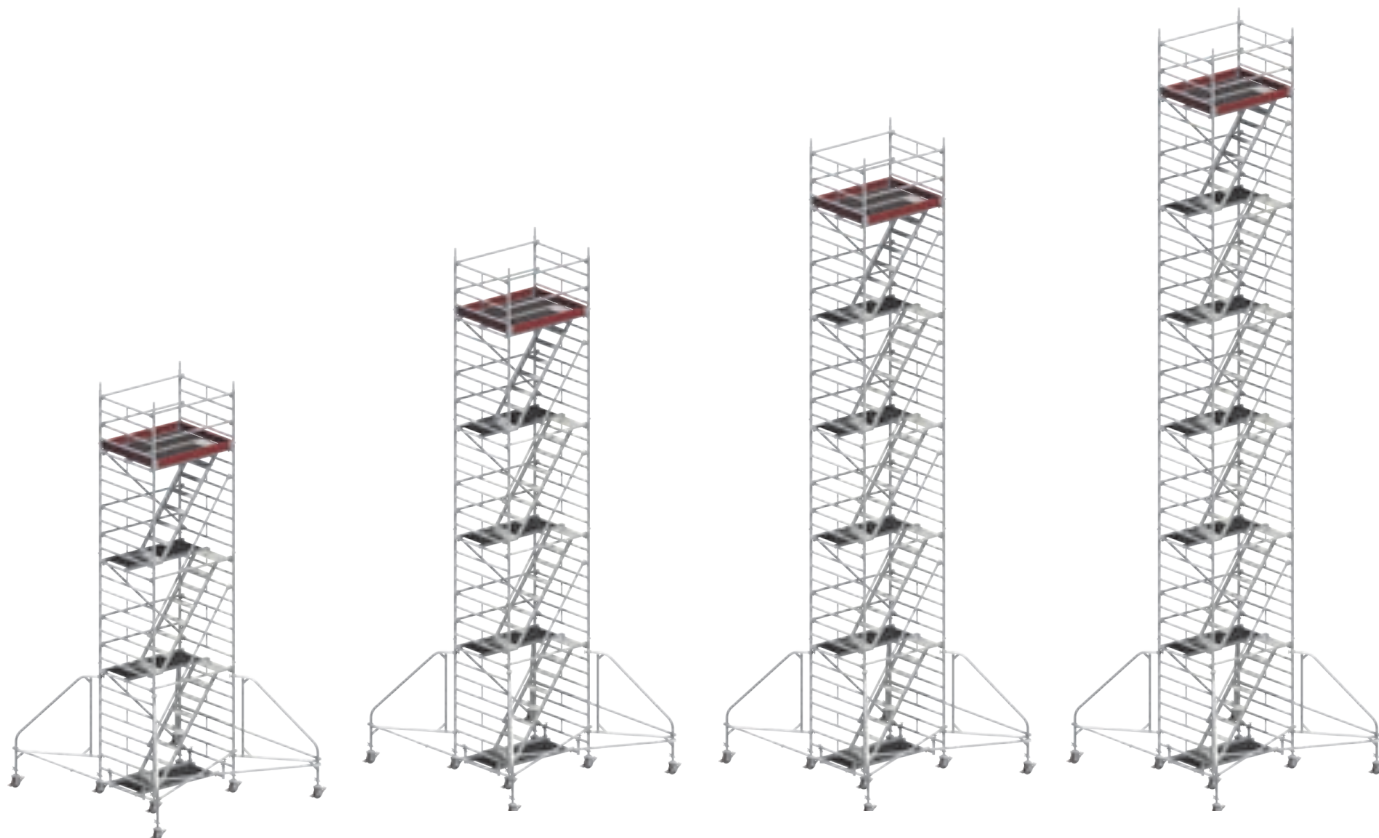
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

In central assembly, the ballast weights are distributed evenly over all four ladder frame standards. The remainder not divisible by 4 must be fitted in accordance with the instructions for assembly and use.

In off-set assembly on mobile beams, the ballast weights must be distributed evenly over the two ladder frame standards away from the wall.



4203	4204	4205	4206
8.20	10.20	12.20	14.20
7.43	9.43	11.43	13.43
6.20	8.20	10.20	12.20
387.9	458.1	528.3	598.5
X	X	X	X
0	0	0	0
2	4	6	8
0	0	0	0
X	X	X	X
0	0	X	X
20	X	X	X
0	4	X	X

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STARO ROLLING TOWER

THE READY-MADE TOWER FOR FREEDOM OF MOVEMENT AND A LARGE WORKING AREA





The Staro rolling tower is the “ready-made” tower with a large work surface. It is indispensable for fast work on large ceiling surfaces or for assembling components or installation work underneath the ceiling. The large work surface offers ample freedom of movement and space for storing tools and materials ready to hand.



Basic assembly in aluminium; rear guardrails are easily snapped in.

Work decks with aluminium frame and plywood insert.



Sturdy castors (dia. 150 mm) with concentric load transmission after locking, for particular stability. Leg tube (1.95 m long) with holes 11 cm apart for height adjustment.



Type 7000



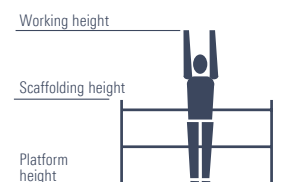
Type 7001
Includes the additional equipment for use at platform height from 1 m.

Part list

Tower model	Ref. No.	7000	7001
Staro basic tower, incl. 4 clips	1224.000	1	1
Staro guardrail 1.90 m	1227.190	2	4
Staro deck 1.90 m	1241.190	3	3
Leg tube with castor	1302.150	4	4
Ladder for Staro rolling tower	1246.006	0	1
Intermediate guardrail 1.90 m	1224.190	0	2
End toe board 1.90 m	1238.190	0	2
Toe board 1.95 m	1239.195	0	2

TECHNICAL DATA

- ▶ Working height: 3.90 m
- ▶ Area of working platform: 1.95 x 1.95 m
- ▶ Permissible live load: 1.5 kN / m² (scaffolding group 2)



Tower model	7000	7001
Working height [m]	2.80 – 3.90*	2.80 – 3.90
Tower height [m]	1.89 – 2.78*	1.89 – 2.78
Standing height [m]	0.80 – 1.90*	0.80 – 1.90
Weight [kg]	99.9	132.5

* from platform height of 1 m, the additional equipment is required.

Additional equipment:

Above 1 m platform height, intermediate guardrails 1.90 m (2 x 1224.190), Staro rear guardrail (2 x 1227.190) and toe boards (2 x 1238.190, 2 x 1239.195) must be used for appropriate work. The tower may only be accessed using the access ladder.

ALU BRIDGING BEAM

THE WORKING DECK UP TO 10 M LONG



TECHNICAL DATA

- ▶ Conforms to DIN EN 12811-1
- ▶ Permissible load class 2 (1.5 kN/m^2 up to 10 m length)
- ▶ Permissible load class 3 (2 kN/m^2 up to 7.10 m length)

The Alu bridging beam 600 is a quick and handy component. Lightweight, as it's made of aluminium, and stable, as it's made from special sections. It is possible to attach, depending on the application, a three-piece side protection to the Alu bridging beam.

Alu bridging beam 600

Length [m]	Load [kN/m²]	Width [m]	Height [m]	Weight [kg]	Ref. No.
3.18	2.0	0.60	0.09	20.0	1348.318
4.12	2.0	0.60	0.09	26.0	1348.412
4.75	2.0	0.60	0.09	29.0	1348.475
5.20	2.0	0.60	0.12	38.0	1348.520
6.15	2.0	0.60	0.12	45.0	1348.615
7.10	2.0	0.60	0.12	52.0	1348.710
8.00	1.5	0.60	0.15	68.0	1348.800
9.10	1.5	0.60	0.15	76.0	1348.910
10.00	1.5	0.60	0.15	85.0	1348.100



1331.000 clamp
see page 95.

The Alu bridging beam 600, folding, can also be used in load class 2.
A folding device allows it to be folded up into handy transport dimensions.

Alu bridging beam 600, folding

Length folded-out [m]	Length folded together [m]	Load [kN/m²]	Beam width [m]	Outer width [m]	Height [m]	Height folded [m]	Weight [kg]	Ref. No.
5.10	2.60	1.5	0.60	0.75	0.21	0.39	47.0	1349.510
7.30	3.70	1.5	0.60	0.75	0.21	0.39	61.0	1349.730
9.15	4.60	1.5	0.60	0.75	0.24	0.45	86.0	1349.915



Only available ex works.

Side protection for Alu bridging beam 600

KIT-No.	Ref. No.	6201 3.18 m	6202 4.12 m	6203 4.75 m	6204 5.20 m	6205 6.15 m	6206 7.10 m	6207 8.00 m	6208 9.10 m	6209 10.00 m
Double guardrail 2.00 m	1332.200	0	2	1	1	0	2	1	0	2
Double guardrail 3.00 m	1332.300	1	0	1	1	2	1	2	3	2
Guardrail fixture	1330.000	2	4	4	4	4	6	6	6	8
Guardrail locking clip	1333.000	1	2	2	2	2	3	3	3	4



1330.000

Side protection for Alu bridging beam 600, folding

KIT-No.	Ref. No.	6210 5.10 m	6211 7.30 m	6212 9.15 m
Double guardrail 2.00 m	1332.200	2	0	4
Double guardrail 3.00 m	1332.300	0	2	0
Guardrail fixture	1330.000	4	4	8
Guardrail locking clip	1333.000	2	2	4



1333.000



1332.200 / 1332.300

Alu telescopic stage 1351

The Alu telescopic stage offers a wide and variable range of possible applications. For transport, the telescopic stage can be simply pushed together, resulting in low transport dimensions. Since the Alu telescopic stage is extendable, it can be pulled out or pushed together to provide any required length.

Loading capacity: 150 kg

Length [m]	Width [m]	Height [m]	Weight approx. [kg]	Ref. No.
1.64 – 2.90	0.31	0.08	13.0	1351.290
1.92 – 3.50	0.31	0.08	16.0	1351.350
2.27 – 4.00	0.31	0.08	18.0	1351.400
2.49 – 4.40	0.31	0.08	20.0	1351.440



BRACKET DECK SURFACES

WORKING SERVICE WIDENING FOR UNI STANDARD AND UNI WIDE



Special designs are individualized tower structures that make work safer and faster at many construction sites.

The examples on this page show the widening of the top scaffolding level and the formation of several working levels using console brackets.

For these tower forms, we have acquired the GS safety inspection certificate that is sufficient for the use of the tower and eliminates the need for structural strength verification otherwise required.

TECHNICAL DATA

- ▶ Subsequent attachment to completed towers is possible
- ▶ Rapid and easy widening of the working surface of up to 1.50 m
- ▶ Permissible live load: 1.5 kN / m² (scaffolding group 2)

Extension-KITS for attachment of 1 or 2 bracket deck surfaces for Uni Standard and Uni Wide

KIT-No.	Ref. No.	9100 1 bracket deck surface	9200 1 bracket deck surfaces
End toe board 0.75 m	1238.075	2	4
Deck 2.85 m	1241.285	1	2
Spring clip	1250.000	4	8
Ladder frame 75 / 4 – 1.00 m	1297.004	2	4
Intermediate deck	1339.285	1	2
Alu console bracket 0.75 m	1341.075	2	4

The number of ballast weights required is stated in the appropriate instructions for assembly and use.

All dimensions and weights are guideline values. Subject to technical modification. Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. Title to the delivered goods shall be retained until full payment has been made. When purchasing, you receive instructions for assembly and use that must be followed without fail or assembly, dismantling and use.

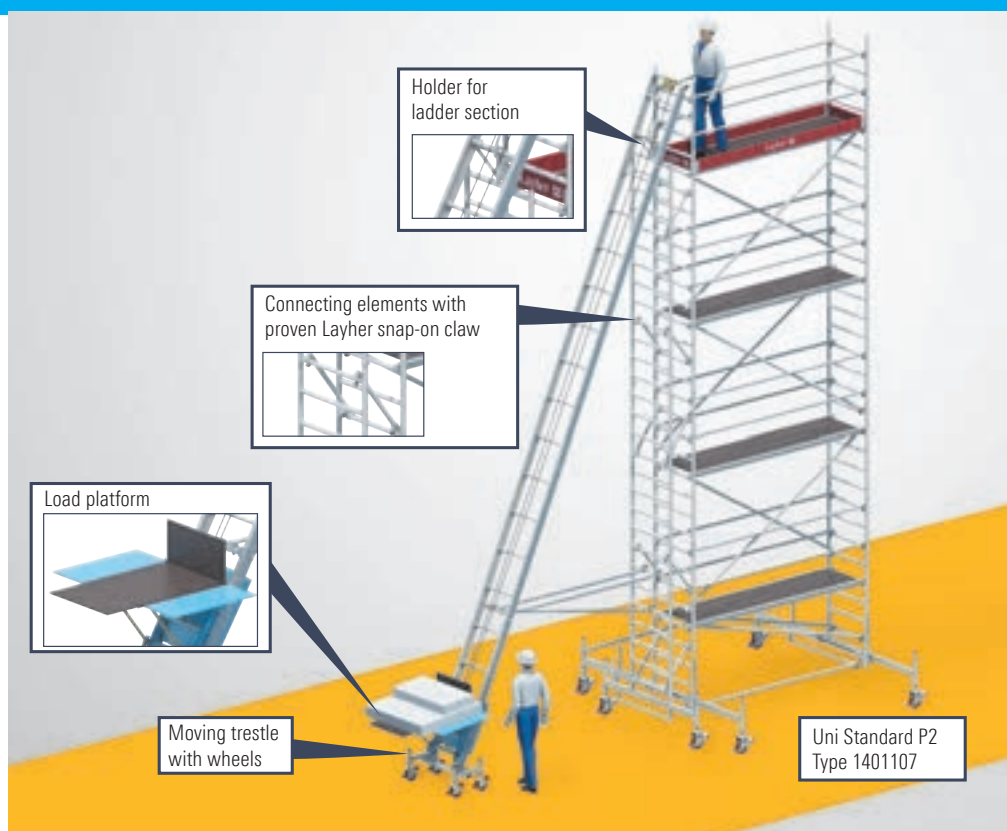
UNI LIFT 200

A HELPFUL ACCESSORY FOR ROLLING TOWERS

For more convenient yet safer vertical transport of materials at rolling towers, Layher has designed the Uni Lift 200. Specially developed components, fitted with the proven Layher snap-on claw, permit quick connection of the Uni Lift 200 to a Layher rolling tower without using tools.

The Uni Lift 200 represents a separately movable and usable unit in triangular form, allowing it to be used flexibly at construction sites together with Layher's Uni Standard and Uni Wide rolling towers.

The load platform permits reliable and convenient vertical transport of bulky board materials, paint buckets or large tools, for example. That in turn ensures safer ascent and descent of the rolling tower with both hands free. All four sides of the load platform can be folded down or removed as required. Various fastening points for the material enable it to be safely transported to the top scaffolding level, where it can be removed horizontally. The sturdy mobile trestle is used for tool-free mounting of the bottom lift section. Wheels enable the solid frame to be moved safely on a flat surface.



TECHNICAL DATA

- ▶ Rolling tower with platform height: 7.00 m
- ▶ Efficient, very safe and tool-free assembly.
- ▶ Perm. load: up to 200 kg

Uni Lift 200

Description	Weight approx. [kg]	Ref. No.
Uni Lift 200 For rolling tower with a 7 m platform height (1401107, 1402107 etc.)	293	1601.007

YOUR BENEFITS AT A GLANCE

- ▶ Separately movable and usable unit for flexible and rapid connection to Layher's Uni Standard and Uni Wide rolling towers.
- ▶ Safer and more convenient vertical transport using the load platform ensures both hands are free for ascent and descent of the rolling tower.
- ▶ Horizontal loading and unloading of the load platform with fold-down sides without an awkward loading edge, for ergonomic and safer handling of heavy and / or bulky materials.
- ▶ Efficient and safer assembly without using tools.
- ▶ Load capacity of up to 200 kg permits vertical transport of heavy loads.

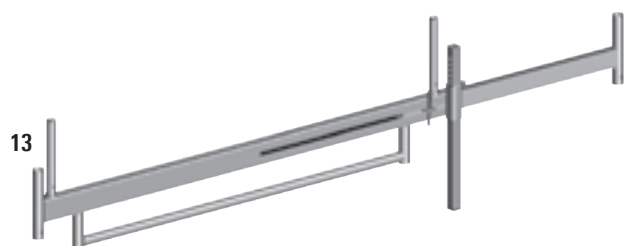
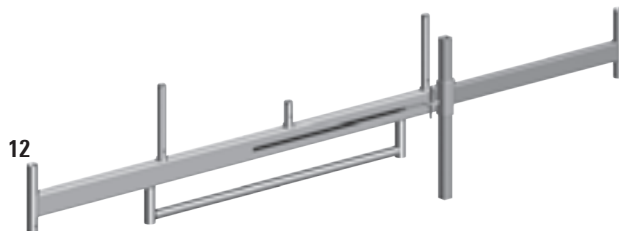
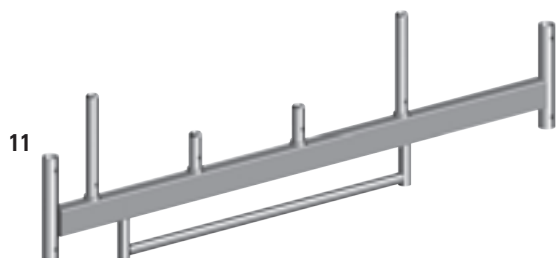
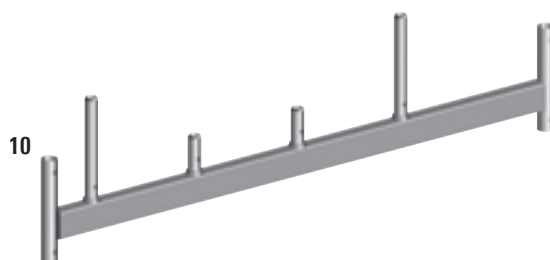
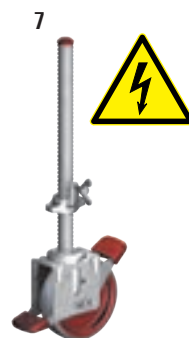
The number of ballast weights required is stated in the appropriate instructions for assembly and use.






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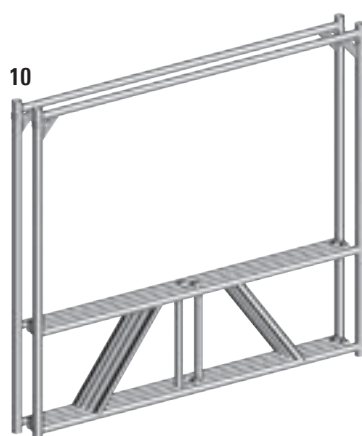
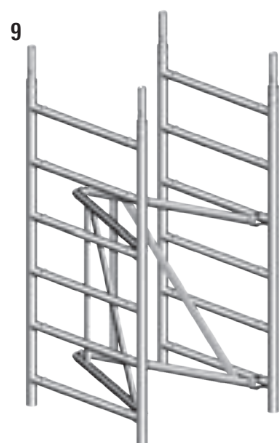
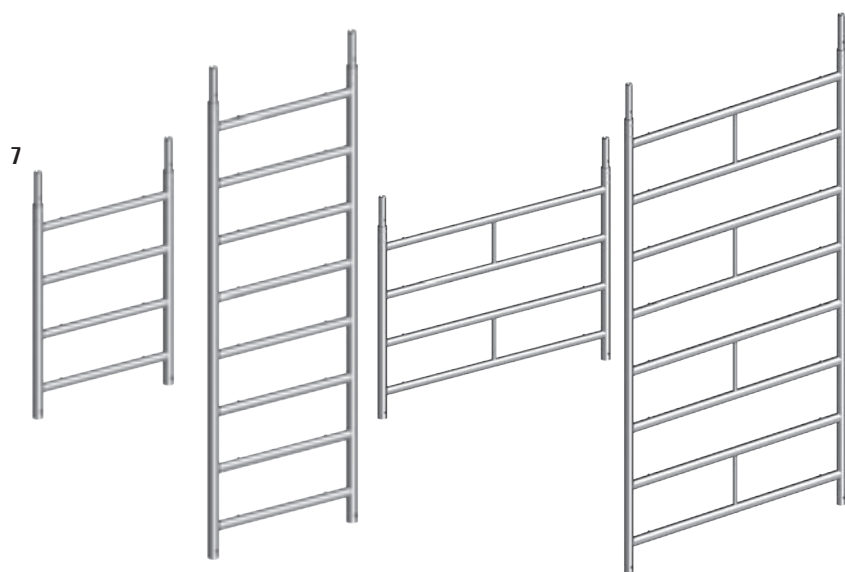
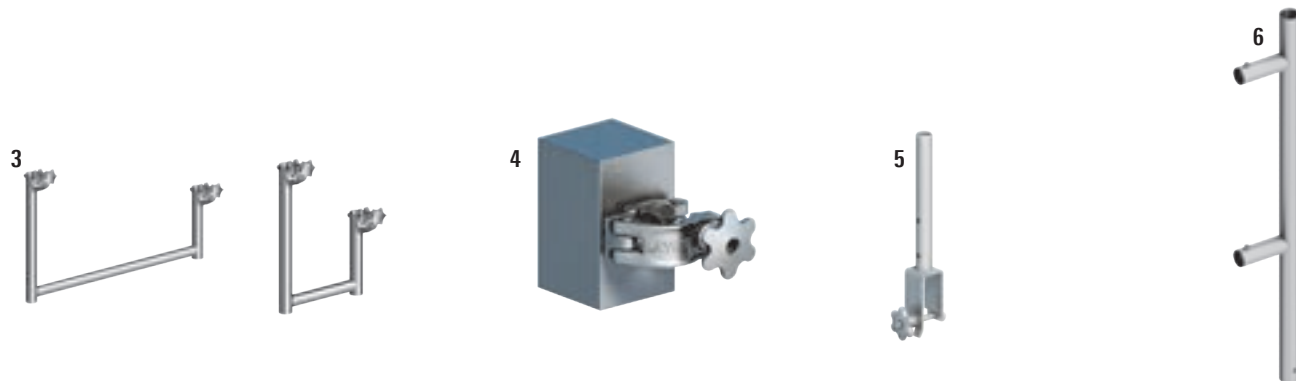
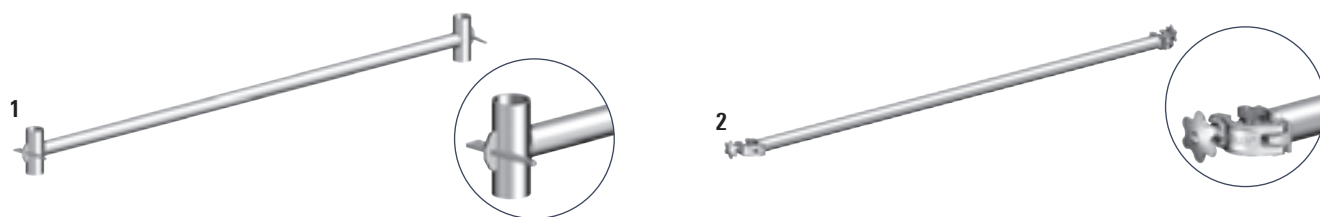
CASTORS FROM LAYHER

Ref. No.	Description	Castor type	Illustration	Wheel	Wheel diameter [mm]	Bearing type (wheel hub)
1259.201	Castor 700	Height adjustable castor		Polyamide wheel	200	Plain bearing (steel sleeve in plastic hub)
1259.202	Polyurethane Castor 700	Height-adjustable castor		Polyamide wheel with polyurethane tire	200	Plain bearing (steel sleeve in plastic hub)
1260.201	Castor 1000	Height-adjustable castor		Polyamide wheel	200	Plain bearing (steel sleeve in plastic hub)
1260.202	Castor 1000 with electro-conductive polyurethane coating	Height-adjustable castor		Polyamide wheel with polyurethane tire	200	Sealed ball bearing
1267.200	Castor 1200 with half-coupler	Height-adjustable castor		Polyamide wheel	200	Plain bearing (steel sleeve in plastic hub)
1308.150	Castor 400	Castor with tube connector		Polyamide wheel	150	Plain bearing (steel sleeve in plastic hub)
1309.150	Polyurethane Castor 400	Castor with tube connector		Polyamide wheel with polyurethane tire	150	Plain bearing (steel sleeve in plastic hub)
1300.150	Castor 400 with spindle 250	Height-adjustable castor		Polyamide wheel	150	Plain bearing (steel sleeve in plastic hub)

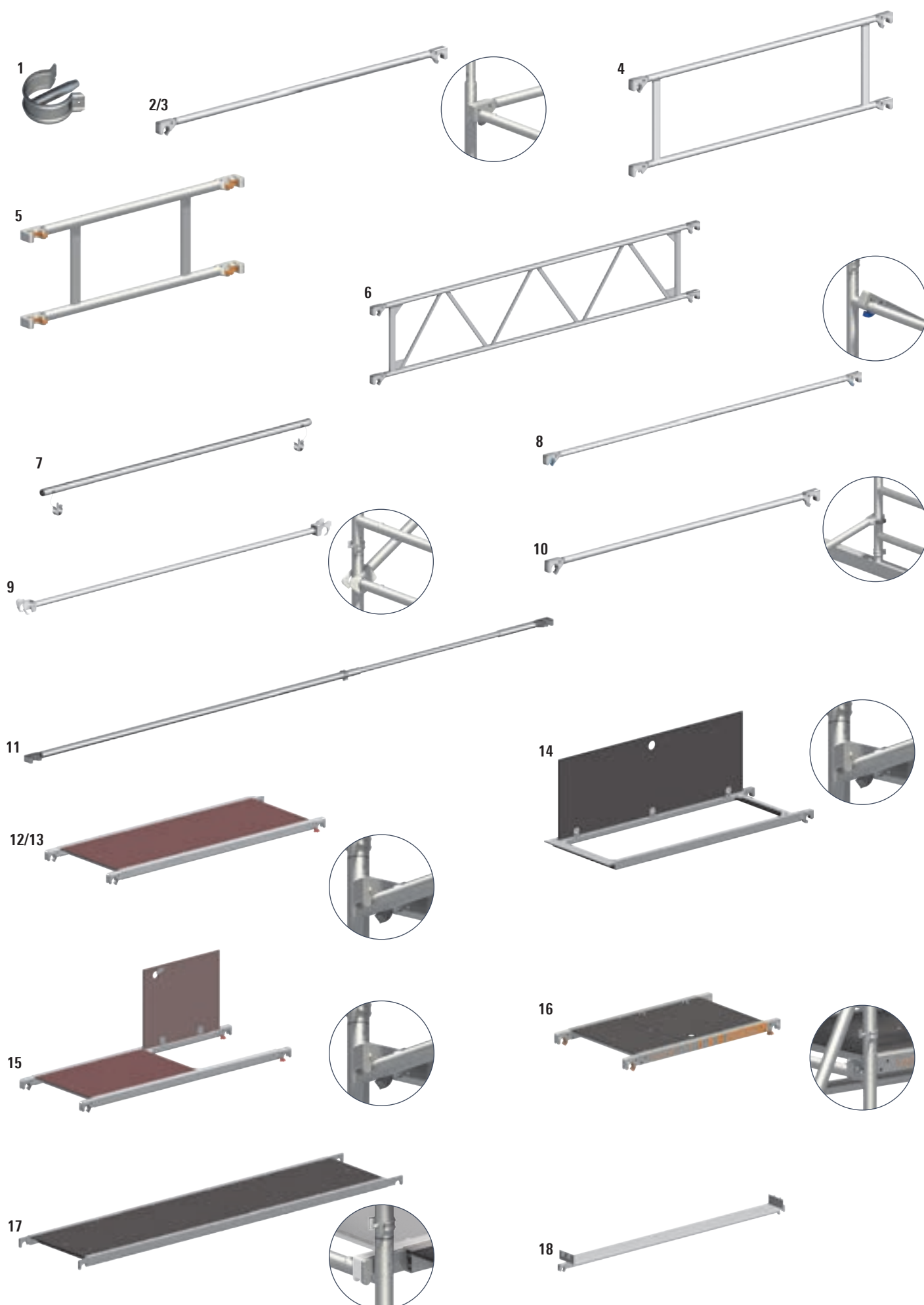
	Max. perm. load [kg] – braked	Max. dyn. load [kg] – unbraked – at 4 km/h and over a distance of 2500 m without obstacles	Temperature resistance	Application
	700	350	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
	700	350	–20 °C to +50 °C	Firm ground with sensitive surface! E.g.: Tiles / natural stone / parquet / laminate Careful with sprung floors such as floors of sports halls, the max. load of the floor applies here, otherwise provision of a load-distributing base (plywood boards) is essential!
	1000	1000	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
	1000	800	–25 °C to +70 °C, short-term to +90 °C	Firm ground with sensitive surface! E.g.: Tiles / natural stone / parquet / laminate Useable in explosive or EiSD areas, thanks to the bleeder resistance < 10⁴ Ω. Careful with sprung floors such as floors of sports halls, the max. load of the floor applies here, otherwise provision of a load-distributing base (plywood boards) is essential!
	1200	960	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
	400	200	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
	400	200	–20 °C to +50 °C	Firm ground with sensitive surface! E.g.: Tiles / natural stone / parquet / laminate Careful with sprung floors such as floors of sports halls, the max. load of the floor applies here, otherwise provision of a load-distributing base (plywood boards) is essential!
	400	400	–20 °C to +50 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt









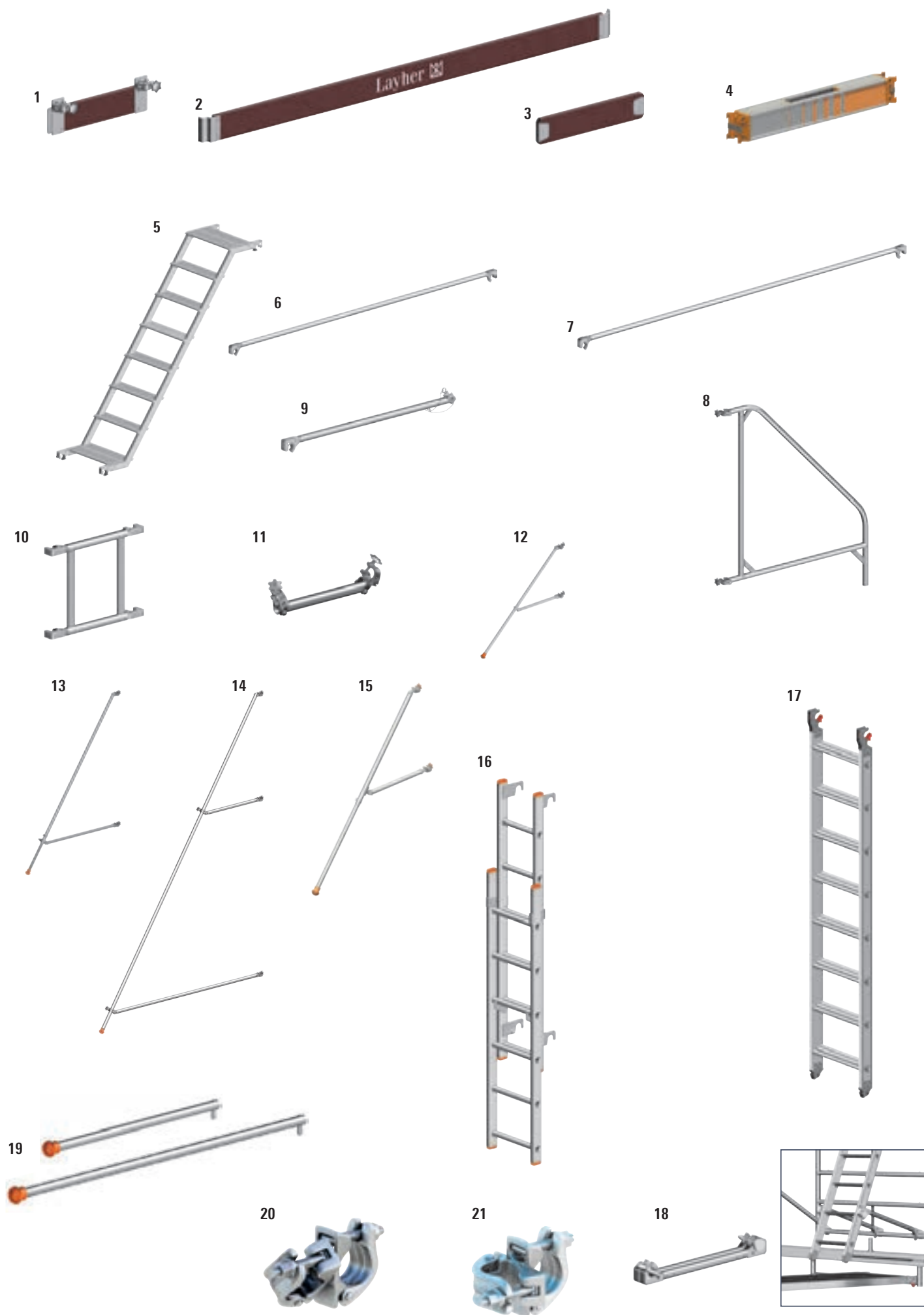
Pos.	Description	Dimensions [m]	Weight approx. [kg]	Ref. No.	Solo Tower	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro
1	Castor 400 Plastic wheel dia. 150 mm, with simple brake lever. Permissible load: 4 kN (≈ 400 kg)	dia. 0.15	2.1	1308.150		▶	▶					
2	Castor 400, with polyurethane tyre Plastic wheel with polyurethane tyre, dia. 150 mm. Special wheel for sensitive floor surfaces. Permissible load: 4 kN (≈ 400 kg)	dia. 0.15	2.4	1309.150 		▶	▶					
3	Castor 400 with spindle 250 Plastic wheel, dia. 150 mm, with base jack, adjustment range 0 – 0.20 m, castor with double brake lever and load centering in the braked state. Permissible load: 4 kN (≈ 400 kg)	dia. 0.15	2.1	1300.150 	▶	▶	▶					
4	Castor 700 Plastic wheel, dia. 200 mm. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 7.0 kN (≈ 700 kg)	dia. 0.20	6.8	1259.201		▶	▶	▶	▶	▶	▶	
5	Castor 700, with polyurethane tyre Plastic wheel, dia. 200 mm. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 7.0 kN (≈ 700 kg)	dia. 0.20	7.0	1259.202 		▶	▶	▶	▶	▶	▶	
6	Castor 1000 Plastic wheel, dia. 200 mm of polyamide. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 10 kN (≈ 1,000 kg)	dia. 0.20	6.3	1260.201		▶	▶	▶	▶	▶	▶	
7	Castor 1000, with electro-conductive polyurethane coating Plastic wheel, dia. 200 mm of polyamide with coating of electroconductive polyurethane. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 10 kN Special castor for sensitive floorings and thanks to electro-conductability also usable in explosive or ESD areas. Bleeder resistance according to DIN EN 12526 < 10 ⁴ Ω	dia. 0.20	6.8	1260.202 		▶	▶	▶	▶	▶	▶	
8	Castor 1200, with half-coupler reinforced plastic wheel, dia. 200 mm, with base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock. Permissible load: 12 kN (≈ 1,200 kg)	dia. 0.20	12.0	1267.200 		▶	▶	▶	▶	▶	▶	
9	Adjustable base plate 60 with lock steel, hot-dip galvanized, with nut, base plate 150 x 150 mm, max. spindle travel 0.40 m	0.60	3.8	1257.060		▶	▶	▶	▶	▶	▶	
10	Mobile beam Steel rectangular tube, hot-dip-galvanized. For widening the base of towers	1.80	14.4	1214.180		▶	▶					
11	Mobile beam with bar Steel rectangular tube, hot-dip-galvanized. For widening the base of towers	1.80	16.9	1323.180		▶	▶		▶			
12	Mobile beam with bar, adjustable Steel rectangular tube, hot-dip-galvanized. System component for base widening	2.30 – 3.20	42.5	1323.320				▶	▶	▶		
13	Mobile beam with 2 spigots, adjustable Steel rectangular tube, hot-dip-galvanized. For widening the base for special mobile assemblies. System assemblies only possible in conjunction with Ref. No. 1337.000 (see page 89)	2.30 – 3.20	42.6	1338.320		▶	▶	▶	▶	▶		



Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	Ref. No.	Solo Tower	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro
1	Basic tube steel tube, hot-dip galvanized	1.80	7.7	1211.180		▶	▶	▶				
		2.85	12.2	1211.285					▶	▶		
2	Base strut with 2 half-couplers, steel tube, hot-dip galvanized	1.80	6.2	1324.180		▶	▶	▶				
		2.85	9.3	1324.285					▶	▶	▶	
3	Access ledger aluminium	0.30	2.9	1344.002		▶	▶		▶			
		0.75	3.3	1344.003				▶		▶		
4	Ballast (10 kg) steel, hot-dip galvanized with half-coupler. For ballasting of towers refer to the instructions for assembly and use of mobile work platforms		10.0	1249.000		▶	▶	▶	▶	▶	▶	
5	Spigot, adjustable steel, hot-dip galvanized. System assemblies only possible in conjunction with Ref. No. 1338.320 (see page 87)		2.1	1337.000		▶	▶	▶	▶	▶		
6	Guardrail support	1.00	1.3	1297.100		▶	▶	▶	▶	▶	▶	
7	Ladder frame aluminium. Rungs with non-slip grooving	1.00 x 0.75	4.7	1297.004	▶	▶	▶		▶			
		2.00 x 0.75	8.6	1297.008		▶	▶		▶			
		1.00 x 1.50	7.0	1299.004				▶		▶	▶	
		2.00 x 1.50	13.5	1299.008				▶		▶	▶	
8	Suspension ladder 75 aluminium. Rungs with non-slip grooving. Spigot bolted using 4 bolts M12 x 60 with nuts	1.00 x 0.75	6.3	1298.004		▶	▶		▶			
		2.00 x 0.75	10.3	1298.008		▶	▶		▶			
9	Zifa 75 basic tower aluminium. Dimensions when folded together: 0.95 x 1.50 x 0.30 m	1.80 x 1.50 x 0.75	20.2	1300.006		▶						
10	Staro basic tower aluminium. Including 4 clips. Dimensions when folded together: 2.00 x 1.60 x 0.25 m	2.00 x 1.60 x 2.00	28.8	1224.000								▶
11	Leg tube with castor 400 dia. 150 mm. With simple brake lever and load centering in the braked state. Wheel and slewing ring can be locked. Steel, plastic wheel	1.95	6.6	1302.150								▶



Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	Ref. No.	SoloTower	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro
1	Spring clip, steel		0.1	1250.000	▶	▶	▶	▶	▶	▶	▶	▶
2	Guardrail, aluminium	1.80	2.3	1205.180		▶	▶	▶			▶	
		2.85	3.6	1205.285					▶	▶		
3	Staro guardrail, aluminium	1.90	2.7	1227.190								▶
4	Double guardrail, aluminium	1.80 x 0.50	5.8	1206.180		▶	▶	▶				
		2.85 x 0.50	8.0	1206.285					▶	▶		
5	SoloTower double guardrail, aluminium	1.13 x 0.50	5.9	1342.113 	▶							
6	Beam, aluminium for use as support beam in the modular system or as double guardrail	1.80 x 0.50	7.7	1207.180 		▶	▶	▶			▶	
		2.85 x 0.50	9.6	1207.285					▶	▶		
7	Intermediate guardrail aluminium	1.90	1.9	1224.190								▶
8	Diagonal brace aluminium	1.95	2.8	1208.195		▶	▶	▶				
		2.50	3.3	1208.180		▶	▶	▶			▶	
		2.95	3.8	1208.295					▶	▶		
		3.35	4.1	1208.285					▶	▶		
9	Deck diagonal brace aluminium	2.50	4.2	1347.250 		▶	▶	▶			▶	
		3.35	5.0	1347.335					▶	▶		
10	Horizontal diagonal brace aluminium	1.95	3.5	1209.180		▶	▶					
		2.95	4.6	1209.285					▶		▶	
11	Horizontal diagonal brace, adjustable aluminium	3.20 – 4.00	6.1	1318.000						▶	▶	
12	Deck aluminium frame, with plywood deck and hatch with phenolic resin coating	1.80 x 0.68	13.3	1241.180		▶	▶	▶			▶	
		2.85 x 0.68	20.0	1241.285					▶	▶		
13	Staro deck aluminium frame, with plywood deck and hatch with phenolic resin coating	1.90 x 0.60	13.1	1241.190								▶
14	Stairway access deck aluminium frame, with plywood deck and hatch with phenolic resin coating.	1.80 x 0.68	12.2	1243.180							▶	
15	Access deck aluminium frame, with plywood deck and hatch with phenolic resin coating	1.80 x 0.68	15.0	1242.180		▶	▶	▶				
		2.85 x 0.68	21.6	1242.285					▶	▶		
16	SoloTower access deck aluminium frame, with plywood deck and hatch with phenolic resin coating	0.75 x 1.13	11.4	1242.113 	▶							
17	Bridging deck Only for use in double structures of Uni Standard towers	2.85 x 0.66	19.8	1343.285 				▶				
18	Intermediate deck, aluminium for console bracket structures	2.85 x 0.23	10.5	1339.285 				▶	▶			

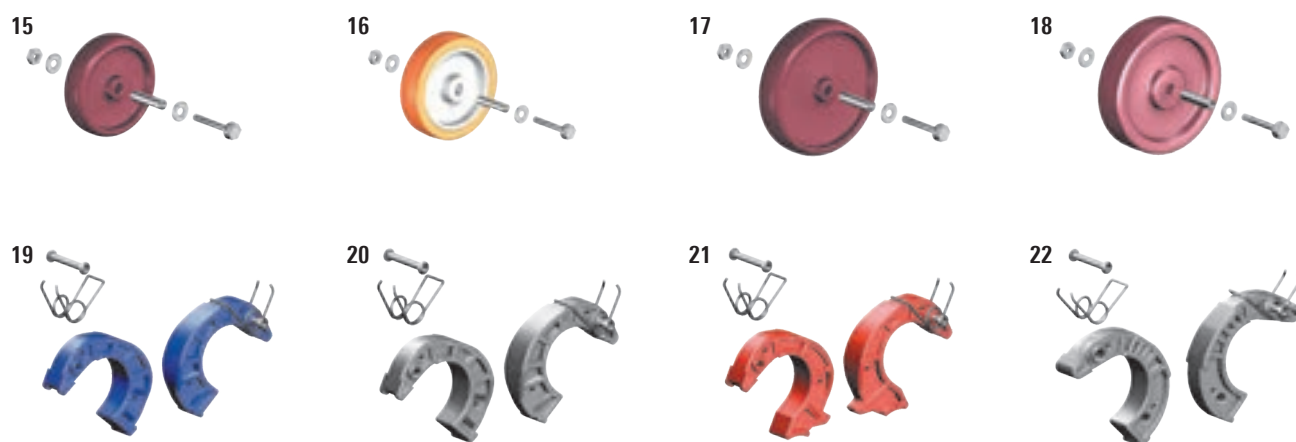













Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	Ref. No.		Solo tower	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro
1	Toe board , wood for twin towers and bridging deck	0.60 x 0.15	3.5	1340.060						▶			
2	Toe board with claw , wood	1.80 x 0.15	4.2	1239.180		▶	▶	▶				▶	
		1.95 x 0.15	4.2	1239.195									▶
		2.85 x 0.15	5.6	1239.285						▶	▶		
3	End toe board , wood	0.75 x 0.15	1.6	1238.075		▶	▶		▶				
		1.44 x 0.15	2.9	1238.144				▶			▶	▶	
		1.90 x 0.15	3.9	1238.190									▶
4	SoloTower toe board unit , aluminium		5.6	1240.113	▶								
5	Landing stairway , aluminium		15.5	1212.180								▶	
6	Stairway guardrail , aluminium for use for landing-type stairway Ref. No. 1212.180	3.07	3.8	1213.180								▶	
7	Strut for outrigger , aluminium locks the outrigger Ref. No. 1216.000	3.75	5.4	1217.375								▶	
8	Outrigger , aluminium for widening the bases of higher structures. Locking with horizontal diagonal brace Ref. No. 1209.285	1.50	8.2	1216.000								▶	
9	Stairway guardrail , aluminium	1.20	1.8	1327.120								▶	
10	Guardrail , aluminium for twin towers and bridging	0.58 x 0.50	4.7	1342.058						▶			
11	Rotation preventer , aluminium	0.5	2.8	1248.261	▶	▶	▶	▶	▶	▶			
12	Stabilizer , aluminium	1.80	4.2	1248.180		▶	▶	▶	▶	▶			
13	Stabilizer, extendable , aluminium	2.60 – 3.40	8.5	1248.260		▶	▶	▶	▶	▶			
14	Stabilizer , aluminium	5.00	14.9	1248.500						▶	▶		
15	SoloTower stabilizer , aluminium		5.2	1248.000	▶								
16	Ladder for Staro rolling tower , aluminium. 6 double rungs		7.8	1246.006									▶
17	Suspended step ladder , aluminium. 8 steps, with snap-on hook and castors at the ladder base	2.20	6.8	1314.108						▶	▶		
18	Ladder support set for suspended ladder Ref. No. 1314.108		2.0	1314.109						▶	▶		
19	Uni distance tube , aluminium tube, with hook and rubber foot	1.10	1.4	1275.110		▶	▶			▶			
		1.80	2.1	1275.180					▶		▶	▶	
20	Swivel coupler steel, galvanized	WS 19	1.5	4702.019		▶	▶	▶	▶	▶	▶		
		WS 22	1.5	4702.022		▶	▶	▶	▶	▶	▶		
21	Double coupler steel, galvanized	WS 19	1.3	4700.019		▶	▶	▶	▶	▶	▶		
		WS 22	1.3	4700.022		▶	▶	▶	▶	▶	▶		

Components










Spare parts



Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	Ref. No.	SoloTower	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro	Alu bridg. beam 600
1	Uni assembly hook , pair		1.2	1300.001		▶	▶	▶	▶	▶			
2	SoloTower assembly hook , 4 pieces		1.2	1300.002 	▶								
3	Console bracket , aluminium for widening of the work platform on one or two sides	0.75 x 0.90	5.4	1341.075 					▶	▶			
4	Double guardrail with toe board , aluminium folds together for transport	2.00 x 1.10	9.7	1332.200									▶
		3.00 x 1.10	12.9	1332.300									▶
5	Guardrail fixture , aluminium for fastening the double guardrail to the Alu bridging beam for Ref. No. 1332.xxx	0.50	0.9	1330.000									▶
6	Guardrail locking pin , steel for securing the double guardrail with the guardrail fixture for Ref. No. 1330.xxx		0.1	1333.000									▶
7	Guardrail mounting standard , aluminium for connecting the three-part brick guard made from scaffolding tubes, guardrail clamps and toe board	1.20	2.4	1334.000									▶
8	Clamp , steel for connecting the Alu bridging beams Ref. No.1348.xxx		0.4	1331.000									▶
9	Tube pallet 125 steel, hot-dip galvanized, length of pallet posts: 0,86 m, load 1,500 kg.	1.37 x 0.97	32.0	5105.125		▶	▶	▶	▶	▶	▶	▶	
10	Scaffolding lock basic set, 10 locks, 2 keys and code card basic set, 20 locks, 2 keys and code card basic set, 50 locks, 4 keys and code card Expansion set with same locking as basic set, 10 locks Expansion set with same locking as basic set, 20 locks Expansion set with same locking as basic set, 50 locks												
			2.2	4000.003 		▶	▶	▶	▶	▶	▶	▶	
			4.2	4000.004 		▶	▶	▶	▶	▶	▶	▶	
			10.5	4000.005 		▶	▶	▶	▶	▶	▶	▶	
			2.1	4000.011 		▶	▶	▶	▶	▶	▶	▶	
			4.2	4000.006 		▶	▶	▶	▶	▶	▶	▶	
			10.5	4000.007 		▶	▶	▶	▶	▶	▶	▶	
11	SoloTower assembly bag		0.2	1300.003 	▶	▶	▶	▶	▶	▶	▶	▶	▶
12	Identification sign Block à 50 pcs.		0.5	6344.400 		▶	▶	▶	▶	▶	▶	▶	
13	See-through pocket for Ref. No. 6344.200 and 6344.202, 10 pcs. 		0.35	6344.010		▶	▶	▶	▶	▶	▶	▶	
14	LayPLAN Rolling Tower Configurator	on request				▶	▶	▶	▶	▶	▶	▶	

Spare parts

Pos.	Description	Dimensions L/H x W [m]	Weight approx. [kg]	Ref. No.
15	Wheel including axle for Ref. No. 1308.150	dia. 0,15	0.6	6491.511 
16	Wheel including axle for Ref. No. 1309.150	dia. 0,15	0.6	6491.501 
17	Wheel including axle for Ref. No. 1259.200 / 1259.201	dia. 0,20	0.9	6491.512 
19	Finger 42 mm pair, blue complete with springs and rivets		0.4	6491.416 
20	Finger 42 mm pair, grey complete with springs and rivets		0.4	6491.417 
21	Finger 42 mm pair, red complete with springs and rivets		0.4	6491.418 
22	Finger 48 mm pair, grey complete with springs and rivets		0.4	6491.420 

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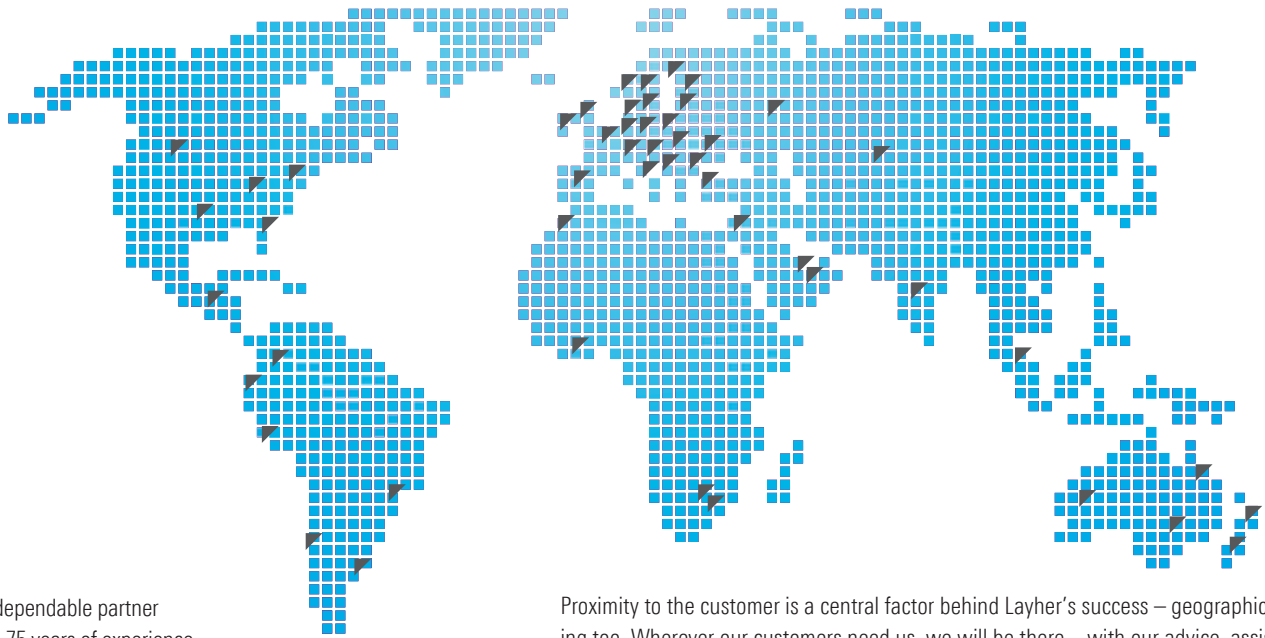
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