

LAYHER ACCESS TECHNOLOGY CATALOGUE

SAFETY INCLUDED



Edition 04.2017
Ref. No. 8118.228

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





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NOTICE

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

Steel components are galvanized according to
EN ISO 1461 and DAST guideline 022. Connection
parts are galvanized according to EN ISO 4042.

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.

Please request the specific instructions for
assembly and use when ordering. Protected by
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in part. Misprints and errors excepted.

QUALITY MADE BY LAYHER



Headquarters in Eibensbach



Plant 2 in Gueglingen

HERE IS THE BEATING HEART OF LAYHER.

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

MORE POSSIBILITIES. THE SCAFFOLDING SYSTEM.

This brand promise made by Layher is the expression of a brand philosophy that we've been living by for over 70 years. More speed, more safety, more proximity, more simplicity and more future: values with which we strengthen our customers' competitiveness in the long term. With our innovative systems and solutions, we're working all the time on making scaffolding construction even simpler, even more economical and, above all, even safer. With comprehensive services, a permanent range of training courses and an ethos of customer focus, more than 1,500 dedicated Layher employees are creating more possibilities for our customers every single day. In more than 35 countries all over the world.



MORE INFORMATION

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



MORE SAFETY

You can count on Layher for sure. As a family-owned company for three generations, we stand for partnership, reliability and best service. Layher rolling towers, ladders and stairs are only available on professional trade centers. These comply with all relevant safety requirements and regulations. Our product range is constantly being developed and adapted to customer requirements. And most importantly – all Layher products are professional products "Made in Germany". That's why we offer a 5-year warranty.



MORE SPEED

Speed is the motto of our logistics concept. So we can deliver any required quantity on time – guaranteed. Upon request directly to the dealer, to trade customers or directly on site. Our staff provide advice and support worldwide. Layher has sales subsidiaries in about 40 countries all over the world. With a tight network of national service centres. In Germany, we are with 30 branches around you. You can also find your special partner, who will advise you personally.



MORE EXPERIENCE

Tradition has grown into experience and expertise. Our experts pass on this knowledge – all over the world. Layher's specialists get to grips with the specific tasks and requirements, devising for our customers persuasive solutions that are both profitable and efficient. Good advice from Layher is guaranteed. We take care of our customers at every level, because cooperation with them on the basis of mutual trust as well as their success are important to us.



MORE QUALITY

People talk a lot about quality. We just produce it. Quality from Layher means state-of-the-art production processes, carefully selected materials, smart automation and a highly qualified workforce. Our products comply with the very latest security standards and possess DIN ISO certification, German TÜV approval, and many other German and international quality labels. Our continual investment in our plants in Gueglingen are a clear commitment to the production place Germany

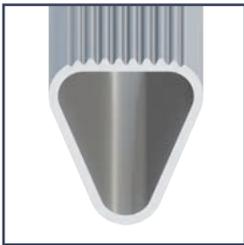


MORE KNOWLEDGE

Further training is the key to success. For this reason, Layher organizes regular training seminars that prepare our customers for current and future challenges specifically in scaffolding. This training scheme is backed up by many others options, for example practical product training courses and regular meetings for scaffolding erectors to promote the flow of information between experts and colleagues. The high esteem for our customers is reflected in the new Layher customer centre where we offer comprehensive training opportunities for commerce, trade and industry.

LAYHER LADDERS

THE QUALITY IS IN THE DETAILS



Rungs and steps made of high-strength and closed extruded sections without a longitudinal weld, for high load-bearing capacity. They are quadruple-folded in the stiles. The shape of the triangular rung ensures that it cannot turn, and the folding ensures high lateral stability of the ladder. The heavily grooved tread areas of the rungs and steps ensure a very sure footing.



The type of rung folding increases the contact area of the rung on the inner stile face, so that higher forces can be transmitted.



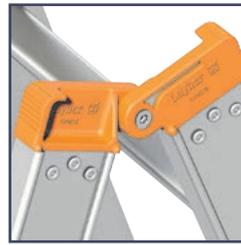
The special design of the ladder stile section permits heavy loading with a low ladder weight. Beading along the outer stile face prevents damage to the rung flanges, for example when they are slid over the edges of the truck loading area.



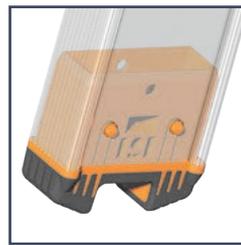
Tear-proof polyester straps for force transmission of up to 3 kN.



Additional stiffener at the bottom stile section beat the requests of the DIN EN 131.



Plastic-sheathed steel joints with play-free and undetachable screw connection for long life.



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. Easy retrofitting of cross-pieces – for compliance with the DIN EN 131 which starting on January 1, 2018 will specify a cross-piece for simple ladders of 3 metres and more length.

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 head office.

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 visual examination must be made by a qualified person.

More service – we are looking forward for supporting you

You can find a comprehensive user manual and a ladder examination book for download on www.layher.com

If you don't want to do the examination by your own, please ask your Layher trade partner. On our website, you can find the next trade center around you.

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



Manufacturer quality management certified according ISO 9001:2008

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**

TIP:
With the Layher Combigrip ladder foot, you automatically comply with the new requirements of DIN EN 131, which starting on January 1, 2018 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 20.




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**

TIP:
With the Layher Combigrip ladder foot, you automatically comply with the new requirements of DIN EN 131, which starting on January 1, 2018 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 20.



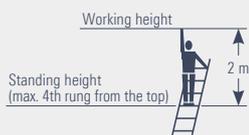

TOPIC 1054

| 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 | 1.75 | 64 | 6.0 | 1054.010 | |
| 3.40 | 12 | 2.30 | 64 | 6.5 | 1054.012 | ⓘ |
| 3.95 | 14 | 2.80 | 64 | 8.0 | 1054.014 | ⓘ |
| 4.50 | 16 | 3.30 | 64 | 9.5 | 1054.016 | ⓘ |
| 5.10 | 18 | 3.85 | 64 | 10.5 | 1054.018 | ⓘ |
| 5.65 | 20 | 4.40 | 76 | 12.5 | 1054.020 | ⓘ |
| 6.20 | 22 | 4.90 | 76 | 13.5 | 1054.022 | ⓘ |
| 6.75 | 24 | 5.45 | 84 | 15.0 | 1054.024 | ⓘ |

Ladder cross-piece

| Cross-piece for ladder type | Cross-piece length [mm] | Weight approx. [kg] | Ref. No. |
|-----------------------------|-------------------------|---------------------|----------|
| 1054.006–1054.024 | 1130 | 3.0 | 1016.081 |

NOTE: OBLIGATORY CROSS-PIECE
From January 1, 2018, the with ⓘ marked ladders will be delivered ex works including the according cross-piece.



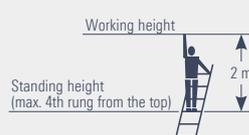
TOPIC 1042

| Length [m] | Number of rungs | Standing height [m] | Stile height [mm] | Weight approx. [kg] | Ref. No. | |
|------------|-----------------|---------------------|-------------------|---------------------|----------|-----|
| 1.65 | 6 | 0.60 | 300 | 5.0 | 1042.006 | 📦 |
| 1.90 | 7 | 0.85 | 300 | 5.6 | 1042.007 | 📦 |
| 2.15 | 8 | 1.10 | 300 | 6.2 | 1042.008 | 📦 |
| 2.40 | 9 | 1.30 | 300 | 7.0 | 1042.009 | 📦 |
| 2.65 | 10 | 1.55 | 300 | 7.6 | 1042.010 | 📦 |
| 3.15 | 12 | 2.00 | 300 | 9.4 | 1042.012 | 📦 ⓘ |
| 3.65 | 14 | 2.50 | 300 | 10.4 | 1042.014 | 📦 ⓘ |
| 4.15 | 16 | 2.95 | 225 | 11.3 | 1042.016 | 📦 ⓘ |

Ladder cross-piece

| Cross-piece for ladder type | Cross-piece length [mm] | Weight approx. [kg] | Ref. No. |
|-----------------------------|-------------------------|---------------------|----------|
| 1042.006–1042.016 | 1130 | 3.0 | 1016.081 |

NOTE: OBLIGATORY CROSS-PIECE
From January 1, 2018, the with ⓘ marked ladders will be delivered ex works including the according cross-piece.



Single ladders

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**

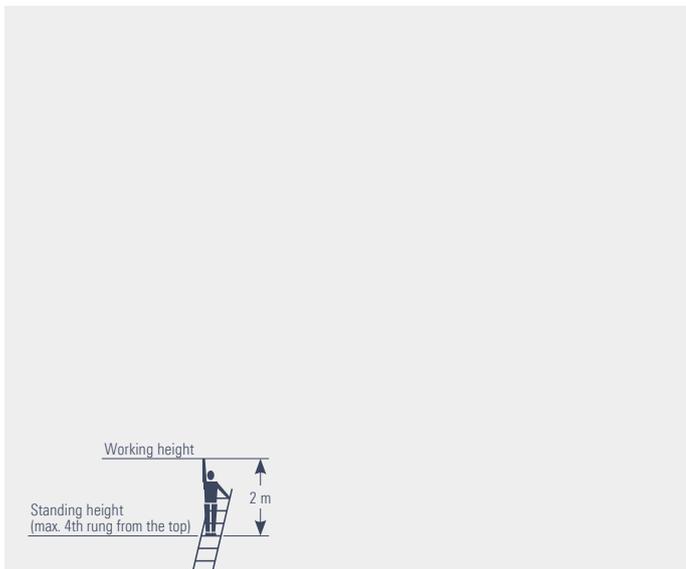


Truck ladder 1060

| Length [m] | Number of rungs | Standing height [m] | Weight approx. [kg] | Ref. No. |
|------------|-----------------|---------------------|---------------------|--------------------|
| 2.13 | 7 | 1.10 | 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**

Accessories: see page 18



Wooden single ladder 1052

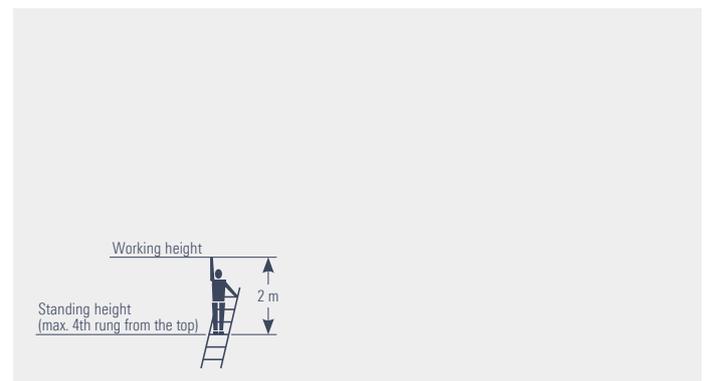
| Length [m] | Number of rungs | Standing height [m] | Stile height [mm] | Weight approx. [kg] | Ref. No. |
|------------|-----------------|---------------------|-------------------|---------------------|--------------------|
| 1.90 | 6 | 0.80 | 65 | 5.5 | 1052.206 🇩🇪 |
| 2.45 | 8 | 1.35 | 65 | 7.5 | 1052.208 🇩🇪 |
| 3.05 | 10 | 1.85 | 65 | 9.5 | 1052.210 🇩🇪 |
| 3.60 | 12 | 2.40 | 70 | 11.5 | 1052.212 🇩🇪 |
| 4.15 | 14 | 2.90 | 70 | 14.0 | 1052.214 🇩🇪 |



Ladder shoe for wooden ladder

DIY-assembly, fits onto ladders 1052 and 1038 / 1059 up to 10 rungs and onto wallpaperer's trestles 1045

Ref. No. 1016.052 🇩🇪



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**



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: **354 mm**

Rung spacing: **280 mm**

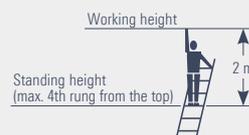
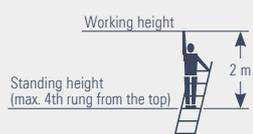


Wooden single ladder for builders 1036

| Length [m] | Number of rungs | Standing height [m] | Stile height [mm] | Outer width at bottom [m] | Weight approx. [kg] | Ref. No. |
|------------|-----------------|---------------------|-------------------|---------------------------|---------------------|-----------------|
| 3.00 | 10 | 1.85 | 85 | 430 | 9.6 | 1036.010 |
| 4.00 | 14 | 2.90 | 90 | 450 | 12.4 | 1036.014 |
| 5.00 | 17 | 3.70 | 95 | 470 | 16.0 | 1036.017 |
| 6.00 | 21 | 4.75 | 100 | 490 | 21.4 | 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 | 2.35 | 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 |

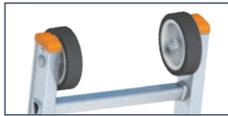


Single ladders

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: **300/377 mm**
Outer width: **440 mm**
Rung spacing: **280 mm**



The TOPIC 1035 can optionally be equipped with rollers.
See page 18.

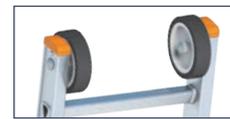
TIP:

With the Layher Combigrip ladder foot, you automatically comply with the new requirements of DIN EN 131, which starting on January 1, 2018 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 20.



Rope extension ladder **TOPIC 1037**

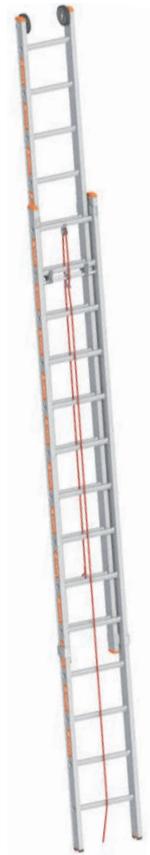
For great heights. Always achieve the right working height thanks to rung-by-rung extension. Easy to use rope control, long-life plastic rope, releasing, lowering and securing with automatic drop catch. Rollers with rubber tyre to prevent damage when running up and down walls.



Clear width: **300/377 mm**
Outer width: **440 mm**
Rung spacing: **280 mm**

TIP:

With the Layher Combigrip ladder foot, you automatically comply with the new requirements of DIN EN 131, which starting on January 1, 2018 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 20.



TOPIC 1035

| Length extend. [m] | Length contr. [m] | Number of rungs | Standing height [m] | Stile height [mm] | Weight approx. [kg] | Ref. No. | |
|--------------------|-------------------|-----------------|---------------------|-------------------|---------------------|-----------------|---|
| 2.95 | 1.75 | 2 x 6 | 1.95 | 64 | 7.6 | 1035.006 | |
| 4.05 | 2.30 | 2 x 8 | 3.05 | 64 | 9.5 | 1035.008 | ⓘ |
| 5.15 | 2.85 | 2 x 10 | 4.20 | 76 | 11.6 | 1035.010 | ⓘ |
| 6.00 | 3.40 | 2 x 12 | 5.05 | 76 | 15.4 | 1035.012 | ⓘ |
| 7.10 | 4.00 | 2 x 14 | 6.15 | 84 | 19.2 | 1035.014 | ⓘ |
| 8.25 | 4.55 | 2 x 16 | 7.25 | 100 | 21.6 | 1035.016 | ⓘ |
| 9.35 | 5.10 | 2 x 18 | 8.40 | 100v | 25.8 | 1035.018 | ⓘ |

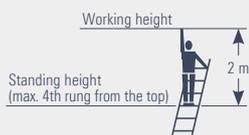
Ladder cross-piece

| Cross-piece for ladder type ⓘ | Cross-piece length [mm] | Weight approx. [kg] | Ref. No. |
|-------------------------------|-------------------------|---------------------|-----------------|
| 1035.006 – 1035.010 | 890 | 3.0 | 1016.082 |
| 1035.012 – 1035.018 | 1360 | 3.0 | 1016.084 |



NOTE: OBLIGATORY CROSS-PIECE

From January 1, 2018, the with ⓘ marked ladders will be delivered ex works including the according cross-piece.



TOPIC 1037

| Length extend. [m] | Length contr. [m] | Number of rungs | Standing height [m] | Stile height [mm] | Weight approx. [kg] | Ref. No. | |
|--------------------|-------------------|-----------------|---------------------|-------------------|---------------------|-----------------|---|
| 7.10 | 4.00 | 2 x 14 | 6.05 | 84 | 20.6 | 1037.014 | ⓘ |
| 8.20 | 4.55 | 2 x 16 | 7.40 | 100 | 23.2 | 1037.016 | ⓘ |
| 9.30 | 5.10 | 2 x 18 | 8.05 | 100 | 28.0 | 1037.018 | ⓘ |
| 10.15 | 5.65 | 2 x 20 | 9.20 | 100 | 31.4 | 1037.020 | ⓘ |
| 11.30 | 6.20 | 2 x 22 | 10.30 | 100v | 34.6 | 1037.022 | ⓘ |
| 12.40 | 6.80 | 2 x 24 | 11.40 | 100v | 38.2 | 1037.024 | ⓘ |

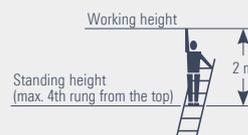
Ladder cross-piece

| Cross-piece for ladder type ⓘ | Cross-piece length [mm] | Weight approx. [kg] | Ref. No. |
|-------------------------------|-------------------------|---------------------|-----------------|
| 1037.014 – 1037.024 | 1360 | 3.0 | 1016.084 |



NOTE: OBLIGATORY CROSS-PIECE

From January 1, 2018, the with ⓘ marked ladders will be delivered ex works including the according cross-piece.



Double rung ladder TOPIC 1039



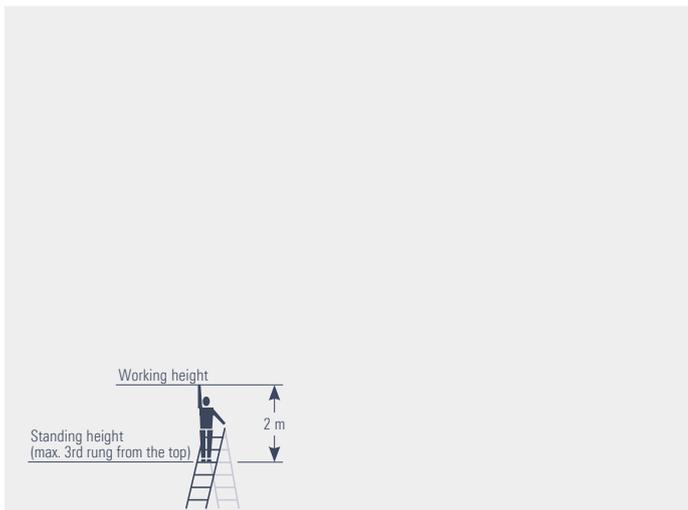
The traditional double ladder with a wide range of safety features: **Plastic-sheathed steel hinges**, tear-proof polyester straps to prevent over-spreading, slip-resistant plastic shoes. Additional stiffeners at the end of the stile ensure that the values specified in DIN EN 131 are bettered.

Rung spacing: **280 mm**



TOPIC 1039

| Length [m] | Standing height [m] | Number of rungs | Stile height [mm] | Outer width at bottom [m] | Weight approx. [kg] | Ref. No. |
|------------|---------------------|-----------------|-------------------|---------------------------|---------------------|----------|
| 1.30 | 0.55 | 4 | 64 | 0.48 | 6.0 | 1039.004 |
| 1.55 | 0.80 | 5 | 64 | 0.51 | 6.8 | 1039.005 |
| 1.85 | 1.05 | 6 | 64 | 0.54 | 8.0 | 1039.006 |
| 2.10 | 1.30 | 7 | 64 | 0.57 | 9.2 | 1039.007 |
| 2.40 | 1.60 | 8 | 64 | 0.60 | 10.4 | 1039.008 |
| 2.70 | 1.85 | 9 | 64 | 0.62 | 12.0 | 1039.009 |
| 2.95 | 2.10 | 10 | 64 | 0.66 | 13.2 | 1039.010 |
| 3.50 | 2.65 | 12 | 64 | 0.72 | 16.0 | 1039.012 |
| 4.10 | 3.15 | 14 | 64 | 0.78 | 18.8 | 1039.014 |
| 4.65 | 3.70 | 16 | 76 | 0.84 | 24.9 | 1039.016 |
| 5.20 | 4.20 | 18 | 76 | 0.90 | 30.1 | 1039.018 |



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**



TOPIC 1061

| Length [m] | Standing height [m]* | Number of rungs | Stile height [mm] | Outer width at bottom [m] | Weight approx. [kg] | Ref. No. |
|------------|----------------------|-----------------|-------------------|---------------------------|---------------------|----------|
| 1.55 | 0.80 | 5 | 64 | 0.51 | 12.3 | 1061.005 |
| 1.85 | 1.05 | 6 | 64 | 0.54 | 13.5 | 1061.006 |
| 2.10 | 1.30 | 7 | 64 | 0.57 | 14.7 | 1061.007 |
| 2.40 | 1.60 | 8 | 64 | 0.60 | 15.9 | 1061.008 |

* with stiles not extended



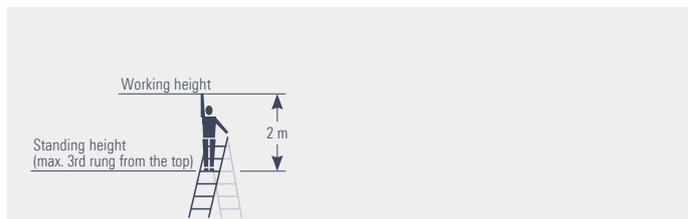
Suspended step

Ref. No. 1016.003



TOPIC-Box

Ref. No. 1016.021



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**



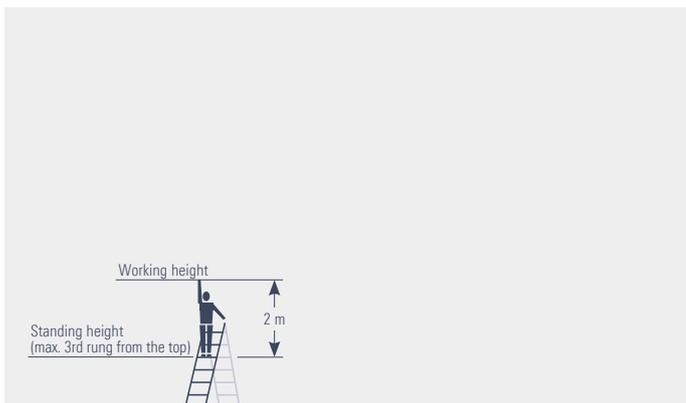
Combination double ladder 1028

| Length [m] | Standing height [m] | Number of rungs | Stile height [mm] | Outer width at bottom [m] | 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 |



Suspended bag

Ref. No. 1016.014



Wooden double ladder 1038/1059.2

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 with wide rungs 1059

As for Model 1038, but with 44 mm wide grooved rungs (3rd and 4th rung from the top per side) for comfortable and safe standing.



Accessories:

see page 18

Wooden double ladder 1038

| Length [m] | Standing height [m] | Number of rungs | Stile height [mm] | Outer width at bottom [m] | 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 |

Wooden double ladder with wide rungs 1059.2

| Length [m] | Standing height [m] | Number of rungs | Stile height [mm] | Outer width at bottom [m] | Weight approx. [kg] | Ref. No. |
|------------|---------------------|-----------------|-------------------|---------------------------|---------------------|-----------------|
| 1.25 | 0.55 | 4 | 65 | 0.50 | 8.0 | 1059.204 |
| 1.50 | 0.80 | 5 | 65 | 0.53 | 9.5 | 1059.205 |
| 1.85 | 1.05 | 6 | 65 | 0.56 | 11.0 | 1059.206 |
| 2.10 | 1.30 | 7 | 65 | 0.59 | 13.1 | 1059.207 |
| 2.35 | 1.60 | 8 | 65 | 0.62 | 14.9 | 1059.208 |
| 2.65 | 1.85 | 9 | 65 | 0.65 | 16.3 | 1059.209 |
| 2.95 | 2.10 | 10 | 65 | 0.68 | 18.1 | 1059.210 |
| 3.50 | 2.65 | 12 | 70 | 0.74 | 26.1 | 1059.212 |
| 4.10 | 3.15 | 14 | 70 | 0.80 | 30.6 | 1059.214 |



Wooden double ladder acc. to Ö-Norm Z1501 1053/1059.3

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.

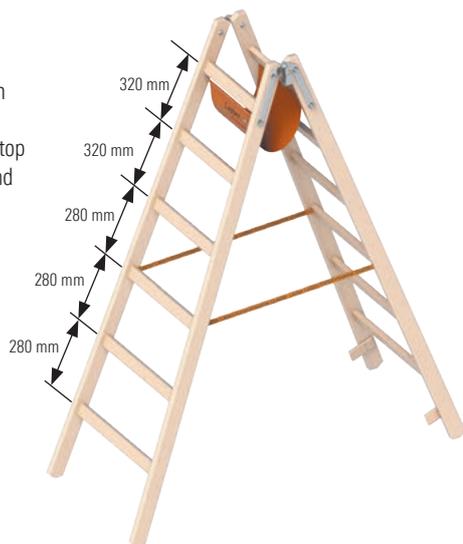
The configuration is the same as the wooden double ladder 1038/1059.2. Rung spacing: **280 and 320 mm**

Wooden double ladder with wide rungs 1059.3

As for Model 1053, but with 44 mm wide grooved rungs (3rd and 4th rung from the top per side) for comfortable and safe standing.



AUVA approved

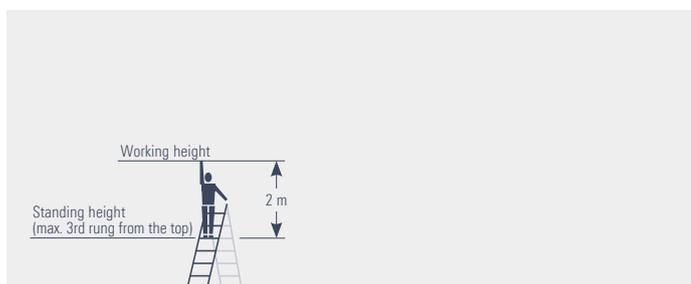


Wooden double ladder 1053 acc. to Ö-Norm

| Length [m] | Standing height [m] | Number of rungs | Stile height [mm] | Outer width at bottom [m] | 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 | 📦 |

Wooden double ladder 1059.3 with wide rungs acc. to Ö-Norm

| Length [m] | Standing height [m] | Number of rungs | Stile height [mm] | Outer width at bottom [m] | Weight approx. [kg] | Ref. No. | |
|------------|---------------------|-----------------|-------------------|---------------------------|---------------------|----------|---|
| 1.30 | 0.55 | 4 | 65 | 0.50 | 8.3 | 1059.304 | 📦 |
| 1.60 | 0.80 | 5 | 65 | 0.53 | 9.9 | 1059.305 | 📦 |
| 1.90 | 1.05 | 6 | 65 | 0.56 | 11.4 | 1059.306 | 📦 |
| 2.45 | 1.60 | 8 | 65 | 0.64 | 15.3 | 1059.308 | 📦 |
| 3.00 | 2.10 | 10 | 65 | 0.70 | 18.5 | 1059.310 | 📦 |



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.

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



TOPIC 1043

| Length [m] | Standing height [m] | Number of rungs | Max. load [kg] | Outer width at bottom [m] | Weight approx. [kg] | Ref. No. | |
|------------|---------------------|-----------------|----------------|---------------------------|---------------------|----------|--|
| 0.75 | 0.25 | 3 | 300 | 0.46 | 5.6 | 1043.003 | |
| 1.00 | 0.50 | 4 | 300 | 0.48 | 6.8 | 1043.004 | |
| 1.25 | 0.70 | 5 | 300 | 0.51 | 8.4 | 1043.005 | |
| 1.50 | 0.95 | 6 | 250 | 0.53 | 9.8 | 1043.006 | |
| 1.75 | 1.20 | 7 | 250 | 0.57 | 11.4 | 1043.007 | |
| 2.00 | 1.40 | 8 | 250 | 0.60 | 13.4 | 1043.008 | |
| 2.50 | 1.90 | 10 | 200 | 0.66 | 16.2 | 1043.010 | |
| 3.00 | 2.40 | 12 | 200 | 0.72 | 19.8 | 1043.012 | |



TOPIC-Box

Ref. No. 1016.021



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

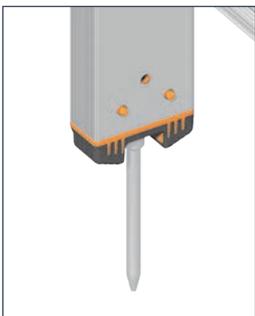
A safe stance at all times from the platform, extended stiles and knee bar shaped as a storage tray. The amply dimensioned platform folds up for transport. Tear-proof polyester straps to prevent over-spreading.

Step spacing: **250 mm**
Step width: **80 mm**



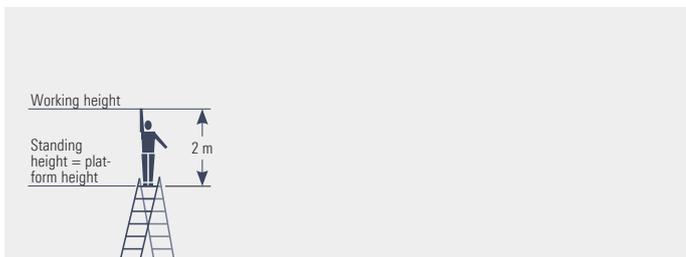
TOPIC 1064

| Length [m] | Standing height [m] | Number of rungs | Stile height [mm] | Outer width at bottom [m] | Weight approx. [kg] | Ref. No. |
|------------|---------------------|-----------------|-------------------|---------------------------|---------------------|-----------------|
| 1.40 | 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 |



Combigrasp spikes **NEW**
DIY-assembly

Ref. No. **1016.099**



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



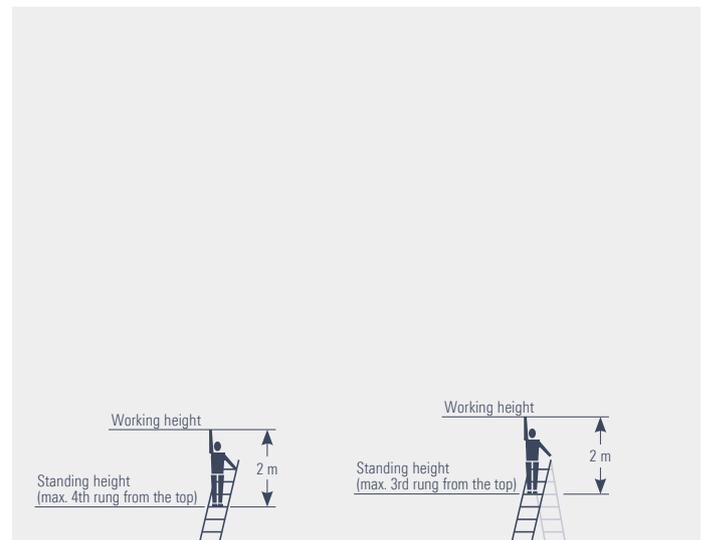
TOPIC 1056

| Max. length [m] | Min. length [m] | Standing height double ladders [m] | Standing height single ladders [m] | Number of rungs | Weight approx. [kg] | Ref. No. |
|-----------------|-----------------|------------------------------------|------------------------------------|-----------------|---------------------|-----------------|
| 2.47 | 1.25 | 0.80 | 1.32 | 2 x 4 | 7.8 | 1056.008 |
| 3.59 | 1.80 | 1.34 | 2.37 | 2 x 6 | 9.5 | 1056.012 |
| 4.71 | 2.36 | 1.90 | 3.42 | 2 x 8 | 11.6 | 1056.016 |



Suspension hook
DIY-assembly

Ref. No. **1016.050**

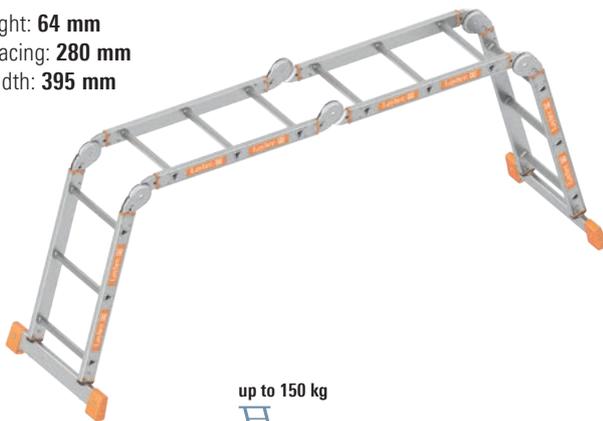


Car boot ladder TOPIC 1057

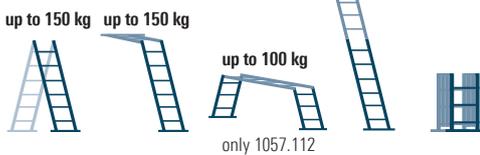
For very low transport and storage dimensions. Very versatile in use. As double ladder, single ladder, single ladder with wall clearance and as working platform (only with deck). Safety joints automatically lock but are released with slight pressure.

Standing height as working platform: **0.89 m**
The **1057.116** cannot be used as a working platform.

Stile height: **64 mm**
Rung spacing: **280 mm**
Outer width: **395 mm**



Assembly variants



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. |
|-----------------|-----------------------------------|---|-----------------------------------|-----------------|---------------------|-----------------|
| 3.43 | 2.29 | 1.52 | 1.00 | 4 x 3 | 13.9 | 1057.112 |
| 4.55 | 3.34 | 2.56 | 1.54 | 4 x 4 | 15.9 | 1057.116 |

Transport/packaging dimensions:

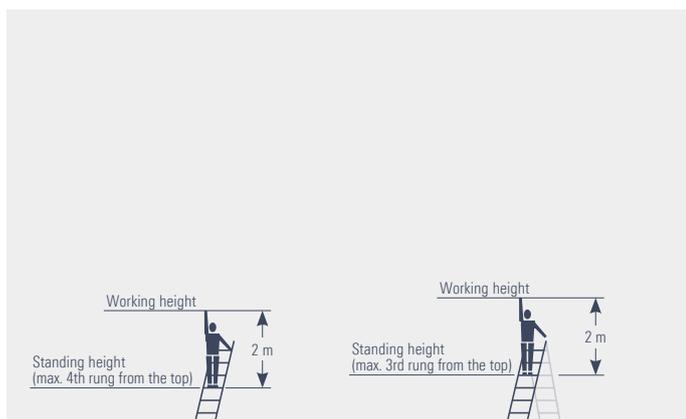
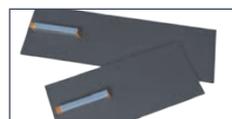
1057.112 0.91 x 0.63 x 0.29 m

1057.116 1.20 x 0.89 x 0.29 m



Platform for 1057.112

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

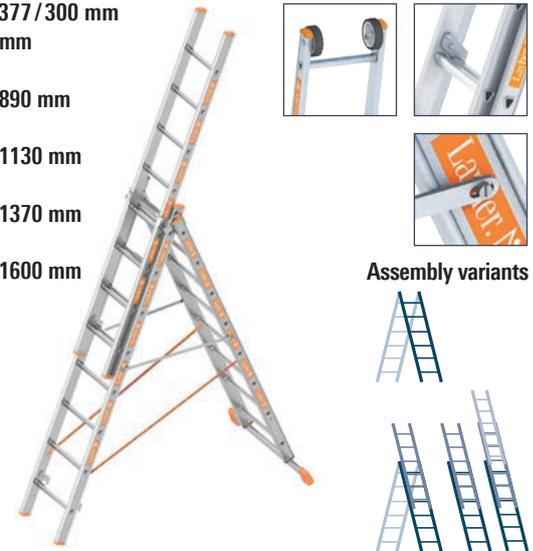


All-purpose ladder 3-part TOPIC 1040

Options to use as an extension ladder, single ladder, double ladder or extendable double ladder – all possible thanks to special joints. Safe 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 18.

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 rungs
Cross-piece width: **1600 mm** with 14 rungs



Assembly variants

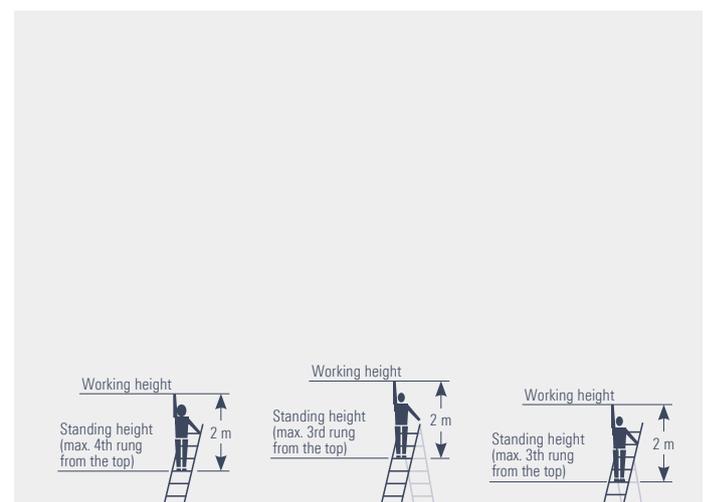
TOPIC 1040

| 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 | 1.90 | 1.05 | 1.60 | 2.85 | 3 x 6 | 76 | 15.6 | 1040.006 |
| 5.25 | 2.45 | 1.55 | 2.10 | 3.90 | 3 x 8 | 76 | 19.5 | 1040.008 |
| 6.65 | 3.00 | 2.05 | 3.15 | 5.20 | 3 x 10 | 76 | 23.2 | 1040.010 |
| 8.35 | 3.55 | 2.55 | 4.20 | 6.80 | 3 x 12 | 100 | 31.7 | 1040.012 |
| 10.05 | 4.15 | 3.05 | 5.25 | 8.35 | 3 x 14 | 100 | 35.5 | 1040.014 |



For easier transporting and carrying the ladder, the cross-piece can be equipped with cross-piece castors.

Art.-Nr. 1016.069 pair

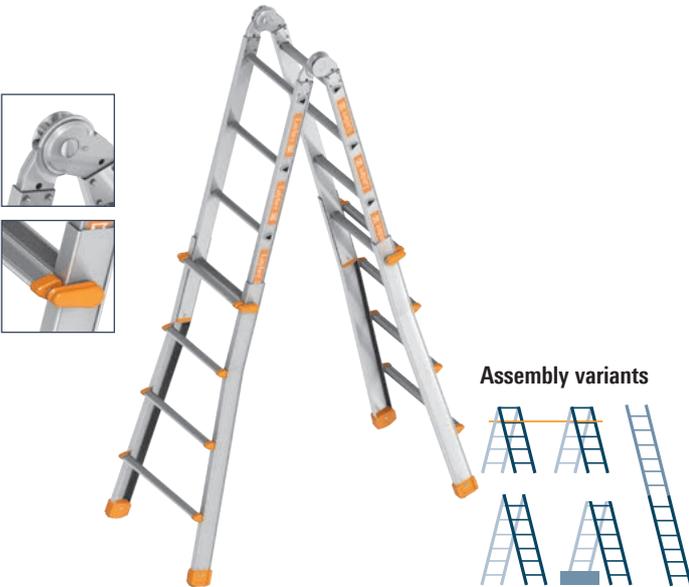


Telescopic ladder TOPIC 1058

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.

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



TOPIC 1058

| Max. Length [m] | Standing height double ladder [m] | Standing height single ladder [m] | Number of rungs | Weight approx. [kg] | Ref. No. |
|-----------------|-----------------------------------|-----------------------------------|-----------------|---------------------|-----------------|
| 4.16 | 1.35 | 3.05 | 4 x 4 | 14.0 | 1058.016 |
| 5.27 | 1.90 | 4.10 | 4 x 5 | 17.0 | 1058.020 |
| 6.42 | 2.45 | 6.15 | 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

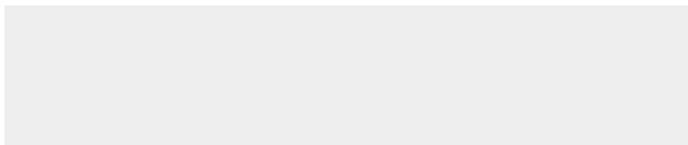
1058.024: 1.85 x 0.67 x 0.23 m

Stile extension

Usable as stile extension and as a cross-piece.

Max. permissible stile extension: 450 mm

| Weight approx. [kg] | Ref. No. |
|---------------------|--|
| 1.6 | 1058.001  59.80 |

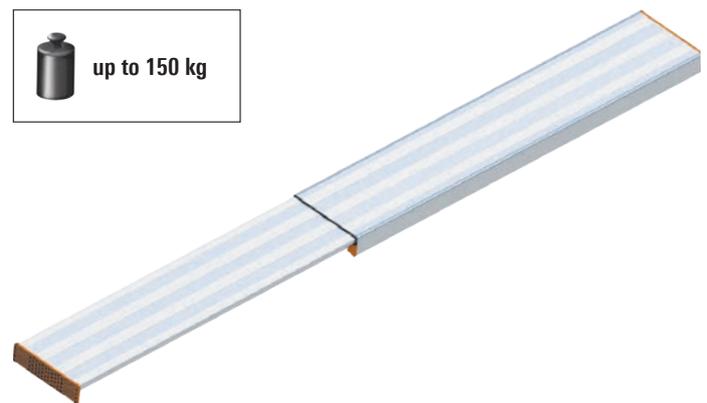


Alu telescopic stage 1351

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 [m] | Weight approx. [kg] | Ref. No. | |
|------------|---------------------|-----------------|---------------------------|---------------------|-----------------|--|
| 0.91 | 0.71 | 3 | 0.64 | 8.4 | 1043.303 | |
| 1.16 | 0.95 | 4 | 0.65 | 9.6 | 1043.304 | |



The platform has a practical grip hole for easy transport.



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 safe 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 at bottom [m] | Weight approx. [kg] | Ref. No. | |
|------------|---------------------|-----------------|-------------------------|---------------------------|---------------------|-----------------|--|
| 0.78 | 0.65 | 3 | 0.68 | 0.62 | 6.8 | 1055.003 | |
| 1.05 | 0.87 | 4 | 0.85 | 0.64 | 8.4 | 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 at bottom [m] | Weight approx. [kg] | Ref. No. | |
|------------|-----------------|-------------------------|---------------------------|---------------------|-----------------|--|
| 0.84 | 2 | 0.76 | 0.61 | 4.4 | 1045.202 | |
| 0.98 | 3 | 0.82 | 0.61 | 5.2 | 1045.203 | |

1



2



3



4



5



7



9



6



8



10



11



14



12



13



15



| Pos. | Description | Dimensions [m] | Weight approx. [kg] | PU | Ref. No. | 1054 | 1042 | 1060 | 1052 | 1036 | 1029 | 1035 | 1037 | 1039 | 1061 | 1028 | 1038 | 1043 | 1064 | 1045 | 1055 | 1043.3 | 1056 | 1057 | 1040 | 1058 | |
|------|--|----------------|---------------------|----|----------|---|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | TOPIC Box for use on all TOPIC rung or double step ladders; easy fitting over the rungs or steps | | 0.8 | | 1016.021 | | | | | | | | | ▶▶▶▶ | | | | | | | | | | | | | |
| 2 | Suspended step for use on all TOPIC 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 TOPIC ladders with Combigrrip ladder foot. | | 0.2 | 2 | 1016.099 | ▶▶ | | | | | ▶▶▶▶ | | | | | | ▶▶ | | | | ▶ | | | | | | |
| 5 | Suspended bag with hook as tool box for all TOPIC rung double ladders | | 0.5 | | 1016.014 | | | | | | | | | ▶▶▶ | | | | | | | | | | | | | |
| 6 | Insert hook self-securing, usable on all Layher TOPIC ladders | | 0.1 | | 1016.100 | ▶▶ | | | | | ▶▶▶▶▶▶ | | | | | | ▶▶ | | | | ▶▶ | | ▶▶ | | ▶ | | |
| 7 | Suspension hook DIY-assembly, usable on shafts up to dia. 50 mm | | 0.1 | | 1016.050 | ▶▶ | | | | | ▶▶ | | | | | | | | | | | | ▶▶▶ | | | | |
| 8 | Wall bracket for easy suspension of ladders with suspension hooks | | 2.5 | | 1016.090 | ▶▶ | | | | | ▶▶ | | | | | | | | | | | | ▶▶▶ | | | | |
| 9 | Wood stile extension set EasyFix 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 | | | 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 TOPIC ladders 1035, 1037 and 1040 | | 1.5 | 2 | 1016.027 | | | | | | | ▶▶ | | | | | | | | | | | | | ▶ | | |
| 12 | Gutter holder Secure attachment for all ladders | | 0.5 | | 1016.006 | ▶▶ | | | | | ▶▶ | | | | | | | | | | | | | | ▶ | | |
| 13 | Window cleaner extension usable for all Layher rung ladders, easy plug on and securing | | 3.5 | | 1016.091 | ▶ | | | | | ▶▶ | | | | | | | | | | | | | | ▶ | | |
| 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 | | | | ▶ | | | | | | | | ▶ | | ▶ | | | | | | | | |
| 15 | Ladder wall mounting for an ideal storage of ladders on the wall | | 1.3 | | 1016.092 | ▶▶ | | | | | ▶▶▶▶ | | | | | | ▶▶ | | | | | | | | | | |

1



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 retrofitting of a ladder cross-piece.

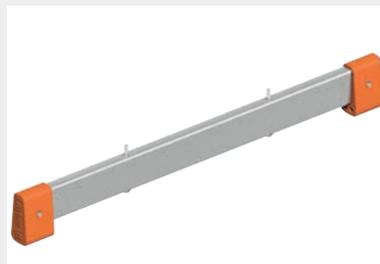
The cross-piece is simply inserted into the cutout provided for it in the foot, and then firmly screwed to the stile ends using hexagonal-head screws.

TIP:
With the Layher Combigrip ladder foot, you automatically comply with the new requirements of DIN EN 131, which starting on January 1, 2018 will specify a cross-piece for simple ladders of 3 metres and more length.

2



3



4



5



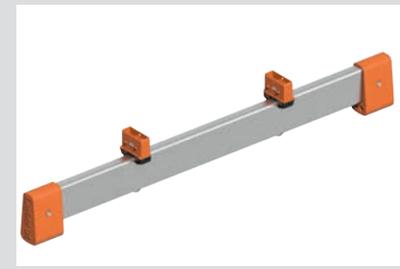
6



7



8



Pictogram description



Pay attention to the user manual
www.layher.com



Do not overload the ladder (max. 150 kg)



Set up on firm surface



Please do a visual inspection before using the ladder



Use the ladder in the right setting-up direction (only if required by its design)



Only one person on each accessible leg of the ladder



Use the ladder with an angle of 65° and 75°



Set up on flat surface



Avoid leaning out sideways



Projection beyond the contact point of the ladder



Clear away any detritus on the ground



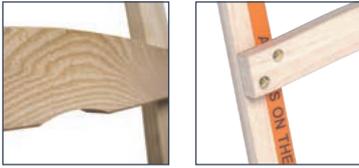
Climbing sideways off the ladder is not permitted

| 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 | 0.2 | 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 1035.012 – 1035.018 | 0.89 | 3.0 | 1016.082  |
| | | 1037.014 – 1037.024 | 1.36 | 3.0 | 1016.084  |
| | | | | | |
| 4 | Ladder control book acc. to UVV "Ladders and steps" BGV D 36 § 29, ladders and steps must be checked to their proper condition. By the ladder control book you have a check list for controlling and protocolling. | | | | free download via: http://downloads.layher.com |
| 5 | Foot for cross-piece for all ladder cross-pieces | | 0.5 | 2 | 6492.015 |
| 6 | Check plaque German operating safety regulations require that ladders are inspected | | 0.3 | 10 | 6492.160  |
| 7 | Universal label acc. to DIN EN 131 instructions for assembly and use must be affixed visibly to each ladder. | | 0.3 | 10 | 6492.165 |
| 8 | Retrofit kit Ladder cross-piece including Combigrip ladder foot | 1054.006 – 1054.018 | 1.13 | | 1016.681  |
| | | 1054.020 – 1054.022, 1042.006 – 1042.016, | 1.13 | | 1016.781  |
| | | 1054.024 | 1.13 | | 1016.881  |
| | | 1035.006 – 1035.008 | 0.89 | | 1016.682  |
| | | 1035.010 | 0.89 | | 1016.782  |
| | | 1035.012 | 1.37 | | 1016.784  |
| | | 1035.014, 1037.014 | 1.37 | | 1016.884  |
| | | 1035.016 – 1035.018 1037.016 – 1037.024 | 1.37 | | 1016.184  |

Rofer's ladder 1046

NEW

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.

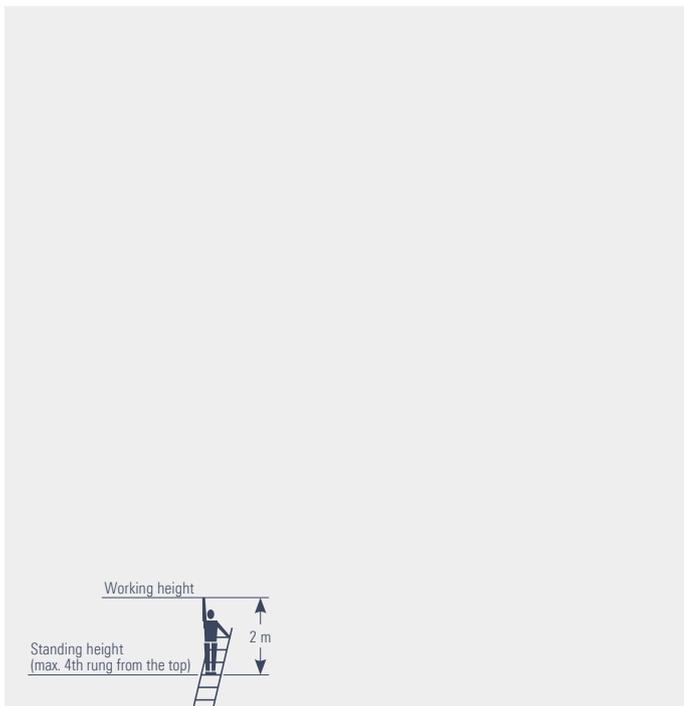
The roofer's ladder 1046 ist equipped with tear-proof polyester straps as breaking cut-out.

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



Rofer's ladder 1046

| Stile height [m] | 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 | 8.5 | 1046.118 |



Roof ladder acc.to DIN 18160-5 TOPIC 1051



Layher roof ladders are permanently attached to the house roof to enable safe 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°.

They are in conformity with DIN 18160-5.

The Layher roof ladders are available in 4 colour variants:

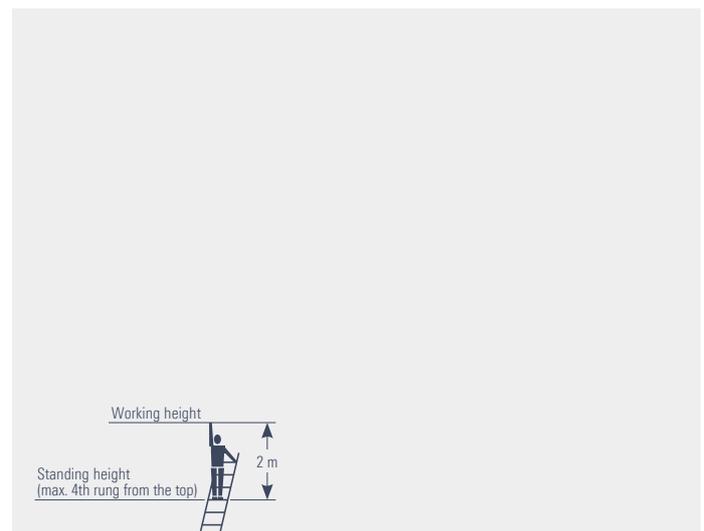
- ▶ Natural aluminium
- ▶ RAL 7016 (Anthracite grey)
- ▶ RAL 8004 (Copper brown)
- ▶ RAL 8011 (Nut brown)

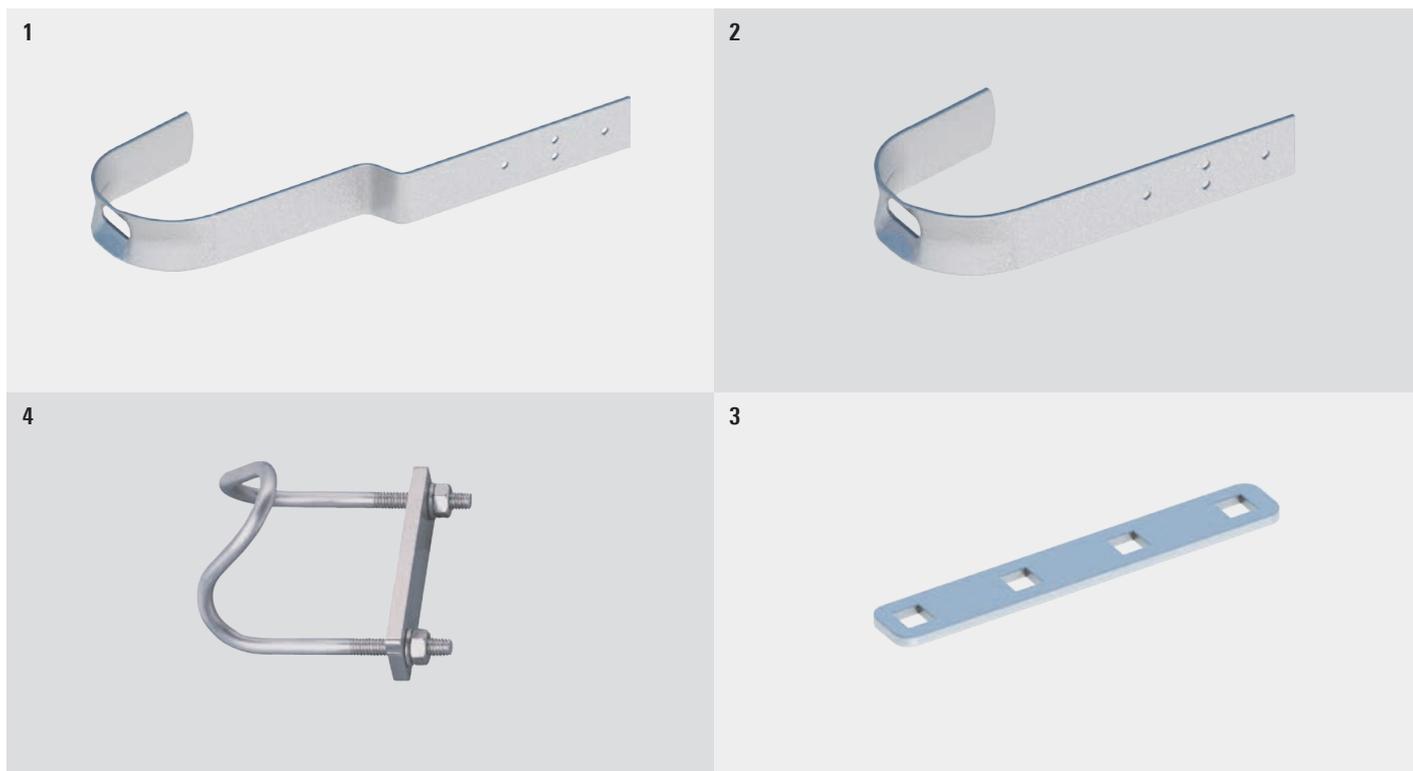
Clear width: **300 mm**
Rung spacing: **280 mm**
Stile height: **95 mm**



TOPIC 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 |





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

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

The roof ladder *TOPIC* 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

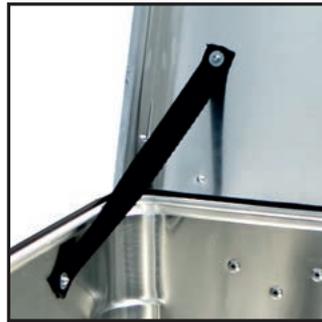
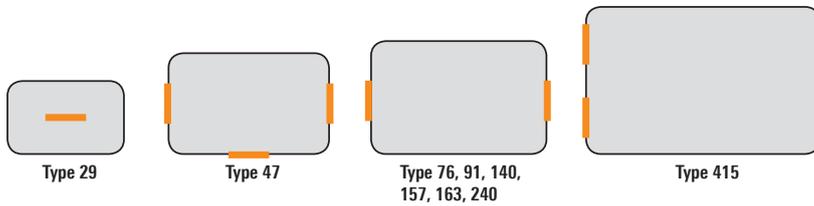
RAL 7016
Anthracite grey

All-purpose boxes 1016

Sturdy transport container made from 1 mm thick aluminium sheet. Lightweight, strong and shape-retaining thanks to all-round beading and moulded corner reinforcements. Very strong hinged lid with limiting straps to prevent ripping out of the hinges. Its four nylon / polyester stacking corners make it ideal for stacking on EURO pallets. Safety handles with springs, rubber-coated, for convenient transport. Sturdy lever-action clamps, with holes for a padlock and an option for fitting of cylinder locks, safeguard the contents. Allround rubber seal inside the box section protects the contents from dust, dirt and splash water. Resistant to corrosion, weather effects and extreme temperatures (from -40 °C to +180 °C). In the boxes **1016.907** and **1016.909**, the bottom and lid are additionally strengthened with aluminium reinforcement strips.



Handle assembly



Alu all-purpose boxes 1016

| Type | Outer dimension (LxWxH) [mm] | Inner dimension (LxWxH) [mm] | Vol. [ltr] | Weight [kg] | Max. permissible load capacity [kg] | Ref. No. |
|----------|------------------------------|------------------------------|------------|-------------|-------------------------------------|-----------------|
| Type 29 | 432 x 335 x 277 | 400 x 300 x 245 | 29 | 3.2 | 40 | 1016.901 |
| Type 47 | 582 x 385 x 277 | 550 x 350 x 245 | 47 | 4.5 | 80 | 1016.902 |
| Type 76 | 582 x 385 x 409 | 550 x 350 x 380 | 73 | 5.3 | 120 | 1016.903 |
| Type 91 | 782 x 385 x 379 | 750 x 350 x 350 | 92 | 6.1 | 130 | 1016.904 |
| Type 140 | 902 x 495 x 379 | 870 x 460 x 350 | 140 | 8.0 | 160 | 1016.905 |
| Type 157 | 782 x 585 x 412 | 750 x 550 x 380 | 157 | 8.2 | 160 | 1016.906 |
| Type 163 | 1182 x 385 x 412 | 1150 x 350 x 380 | 153 | 9.5 | 160 | 1016.907 |
| Type 240 | 782 x 585 x 622 | 750 x 550 x 590 | 243 | 10.0 | 160 | 1016.908 |
| Type 415 | 1192 x 790 x 517 | 1160 x 755 x 485 | 425 | 16.0 | 200 | 1016.909 |

Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale.

Alu start-stairway static or movable

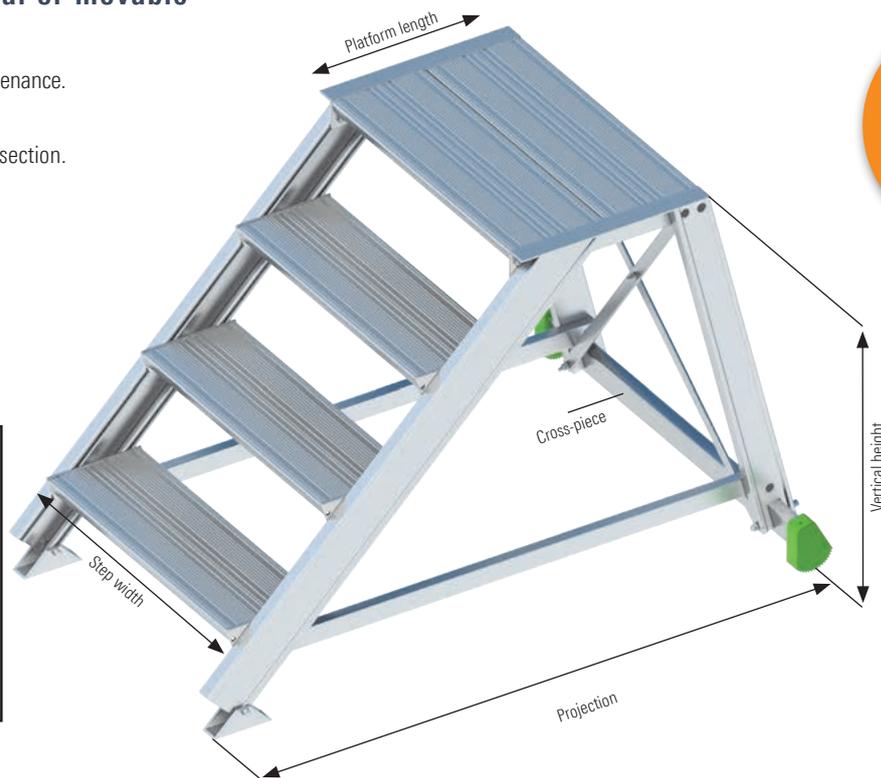
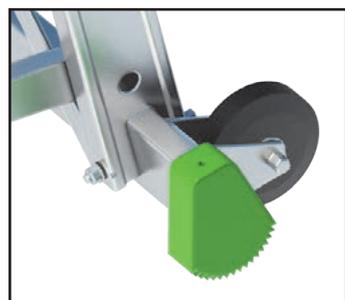
110

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 BGI 694 must
be followed!



Technical Data:

- Step width: 0.60 m or 0.80 m
- Stairway width: Step width + 0.06 m + cross-piece
- Step length: 200 mm, grooved for sure footing
- Inclination: 45°
- Platform length: 0.40 m
- Vertical height: max. 0.99 m (Measures from floor to upper edge of the platform)
- Step spacing: 200 mm
- Cross-piece: For safer standing (Cross-piece length: step length + 0.20 m).
- Lift castors (optional): For moving the start-stairway like a barrow.
- Permissible load capacity: max. step load 150 kg; max. total load 300 kg

| Inclination | Width [m] | Vertical height [m] | 0.40 | 0.60 | 0.80 | 0.99 |
|-------------|-----------|--------------------------------------|----------|----------|----------|----------|
| 45° | | Number of steps | 2 | 3 | 4 | 5 |
| | | Projection [m] | 0.76 | 1.00 | 1.30 | 1.50 |
| | 0.60 | Weight [kg] | 11.0 | 14.0 | 17.5 | 20.7 |
| | | Ref. No. without lift castors | 1106.102 | 1106.103 | 1106.104 | 1106.105 |
| | | Ref. No. with lift castors | 1106.122 | 1106.123 | 1106.124 | 1106.125 |
| | | | | | | |
| | 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 |
| | | Ref. No. with lift castors | 1108.122 | 1108.123 | 1108.124 | 1108.125 |
| | | | | | | |

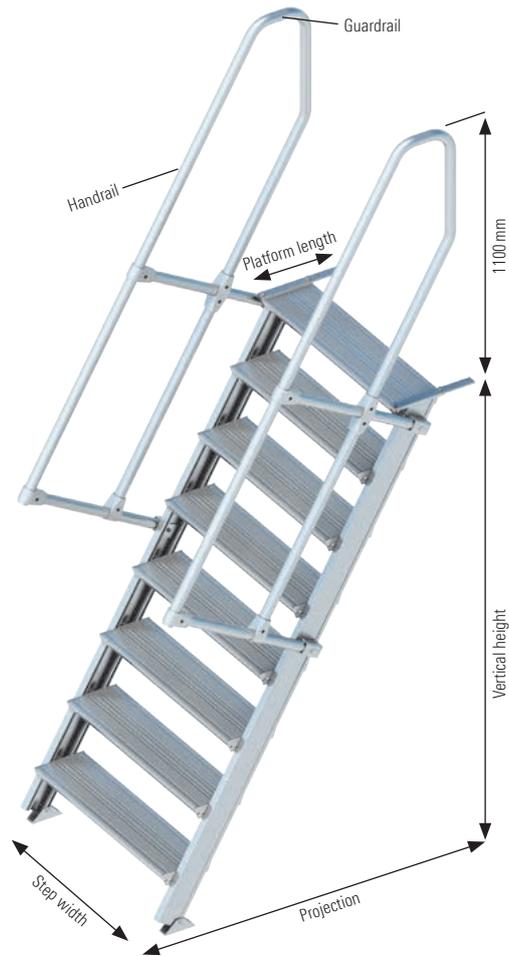
Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale. Delivery time upon request. Delivery includes assembly drawing.

Alu stairway 111

A safe 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.

Special stile made of strong aluminium section. Step profile grooved for sure footing. Handrail of 40 mm diameter round tubing with cast aluminium connector as the connecting element.

Fixation with bearing-angles at the top and the bottom of the stairway.



Complies to
DIN EN 131.
The BGI 694 must
be followed! ¹

| Inclination | Width [m] | Vert. height [m] | 0.60 | 0.80 | 1.00 | 1.20 | 1.40 | 1.60 | 1.80 | 2.00 | 2.20 |
|-----------------|-----------|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 45° | | Number of steps | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | Projection [m] | 0.75 | 0.95 | 1.15 | 1.35 | 1.55 | 1.75 | 1.95 | 2.05 | 2.35 |
| | 0.60 | Weight [kg] | 7.1 | 10.1 | 12.5 | 15.4 | 17.8 | 20.8 | 23.7 | 29.1 | 31.5 |
| | | Ref. No. | 1116.103 | 1116.104 | 1116.105 | 1116.106 | 1116.107 | 1116.108 | 1116.109 | 1116.110 | 1116.111 |
| | 0.80 | Weight [kg] | 9.1 | 12.6 | 15.5 | 18.9 | 21.80 | 25.3 | 29.7 | 35.1 | 38.50 |
| | | Ref. No. | 1118.103 | 1118.104 | 1118.105 | 1118.106 | 1118.107 | 1118.108 | 1118.109 | 1118.110 | 1118.111 |
| Handrail | | Ref. No. | 1110.003 | 1110.004 | 1110.005 | 1110.006 | 1110.007 | 1110.008 | 1110.009 | 1110.010 | 1110.011 |
| Inclination | Width [m] | Vert. height [m] | 0.675 | 0.90 | 1.125 | 1.35 | 1.575 | 1.80 | 2.025 | 2.25 | 2.475 |
| 60° | | Number of steps | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | Projection [m] | 0.53 | 0.66 | 0.79 | 0.92 | 1.05 | 1.18 | 1.31 | 1.44 | 1.57 |
| | 0.60 | Weight [kg] | 7.3 | 10.4 | 11.9 | 14.5 | 17.1 | 19.7 | 22.3 | 24.9 | 30.4 |
| | | Ref. No. | 1116.203 | 1116.204 | 1116.205 | 1116.206 | 1116.207 | 1116.208 | 1116.209 | 1116.210 | 1116.211 |
| | 0.80 | Weight [kg] | 9.3 | 12.9 | 14.9 | 17.5 | 21.1 | 24.7 | 28.3 | 30.9 | 33.4 |
| | | Ref. No. | 1118.203 | 1118.204 | 1118.205 | 1118.206 | 1118.207 | 1118.208 | 1118.209 | 1118.210 | 1118.211 |
| Handrail | | Ref. No. | 1110.023 | 1110.024 | 1110.025 | 1110.026 | 1110.027 | 1110.028 | 1110.029 | 1110.030 | 1110.031 |

¹ Because of the step dimensions and the resulting surefootedness, the products shown on this page are called stairways. But normally they are stairway similar accesses and for these the standard of step ladders is valid (DIN EN 131, BGI 694).

Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale.

Technical Data:

| | |
|----------------------------|---|
| Step width: | 0.60 m or 0.80 m |
| Stairway width: | Step width + 0.10 m with one-side handrail Step width + 0.13 m with both-side handrail |
| Step length: | 200 mm, grooved for sure footing |
| Inclination: | 45° or 60° (ideal 45°) |
| Projection: | Measures from front edge to wall |
| Vertical height: | max. 3.90 m (Measures from floor to upper edge of the top step) |
| Step spacing: | 200 to 250 mm (dependance of the inclination) |
| 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). |
| Permissible load capacity: | max. step load 150 kg; max. total load 300 kg |

| Inclination | Width [m] | Vert. height [m] | 2.40 | 2.60 | 2.80 | 3.00 | 3.20 | 3.40 | 3.60 | 3.80 |
|-----------------|-----------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 45° | | Number of steps | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | | Projection [m] | 2.55 | 2.75 | 2.95 | 3.15 | 3.35 | 3.55 | 3.75 | 3.95 |
| | 0.60 | Weight [kg] | 35.0 | 37.4 | 40.8 | 43.2 | 46.7 | 49.1 | 52.5 | 56.0 |
| | | Ref. No. | 1116.112 | 1116.113 | 1116.114 | 1116.115 | 1116.116 | 1116.117 | 1116.118 | 1116.119 |
| | 0.80 | Weight [kg] | 42.0 | 45.4 | 48.8 | 52.2 | 55.7 | 59.1 | 63.5 | 67.0 |
| | | Ref. No. | 1118.112 | 1118.113 | 1118.114 | 1118.115 | 1118.116 | 1118.117 | 1118.118 | 1118.119 |
| Handrail | | Ref. No. | 1110.012 | 1110.013 | 1110.014 | 1110.015 | 1110.016 | 1110.017 | 1110.018 | 1110.019 |
| Inclination | Width [m] | Vert. height [m] | 2.70 | 2.925 | 3.15 | 3.375 | 3.60 | 3.825 | 4.05 | 4.275 |
| 60° | | Number of steps | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | | Projection [m] | 1.70 | 1.83 | 1.96 | 2.09 | 2.22 | 2.35 | 2.48 | 2.61 |
| | 0.60 | Weight [kg] | 33.0 | 35.2 | 38.8 | 42.0 | 44.5 | 47.1 | 50.7 | 54.3 |
| | | Ref. No. | 1116.212 | 1116.213 | 1116.214 | 1116.215 | 1116.216 | 1116.217 | 1116.218 | 1116.219 |
| | 0.80 | Weight [kg] | 39.0 | 43.2 | 46.8 | 51.0 | 53.5 | 57.1 | 60.7 | 65.3 |
| | | Ref. No. | 1118.212 | 1118.213 | 1118.214 | 1118.215 | 1118.216 | 1118.217 | 1118.218 | 1118.219 |
| Handrail | | Ref. No. | 1110.032 | 1110.033 | 1110.034 | 1110.035 | 1110.036 | 1110.037 | 1110.038 | 1110.039 |

¹ Because of the step dimensions and the resulting surefootedness, the products shown on this page are called stairways. But normally they are stairway similar accesses and for these the standard of step ladders ist valid (DIN EN 131, BGI 694).

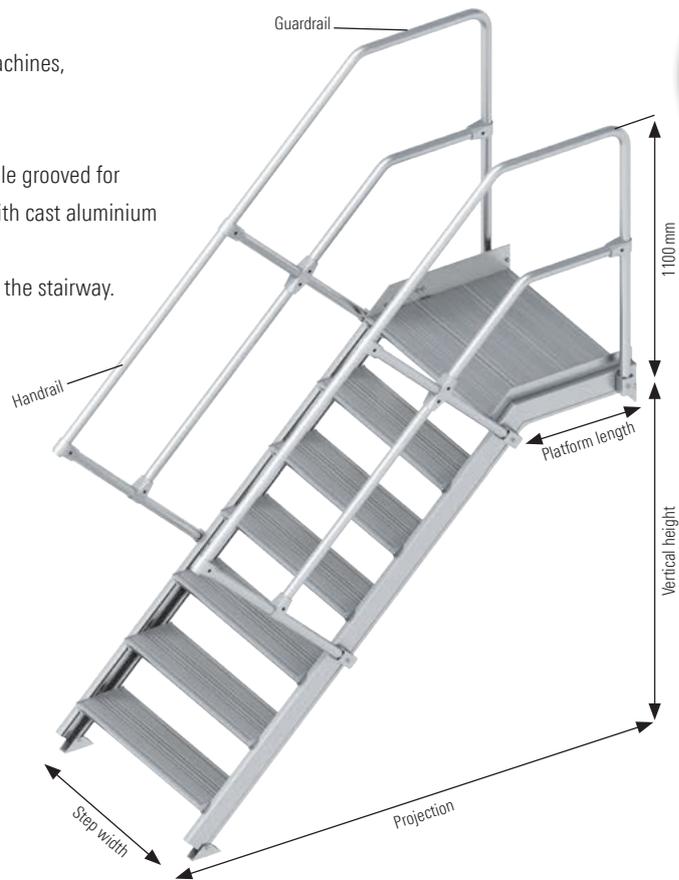
Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale.

Alu stairway with platform 112

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

Special stile made of strong aluminium section. Step profile grooved for sure footing. Handrail of 40 mm diameter round tubing with cast aluminium connector as the connecting element.

Fixation with bearing-angles at the top and the bottom of the stairway.



Complies to
DIN EN 131.
The BGI 694 must
be followed! ¹

| Inclination | Width [m] | Vert. height [m] | 0.60 | 0.80 | 1.00 | 1.20 | 1.40 | 1.60 | 1.80 | 2.00 | 2.20 | |
|-------------|-----------|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 45° | 0.60 | Number of rungs | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| | | Projection [m] | 1.15 | 1.35 | 1.55 | 1.75 | 1.95 | 2.15 | 2.35 | 2.55 | 2.75 | |
| | | Weight [kg] | 22.8 | 25.3 | 28.2 | 31.1 | 33.5 | 36.5 | 39.4 | 44.3 | 47.2 | |
| | | Ref. No. | 1126.103 | 1126.104 | 1126.105 | 1126.106 | 1126.107 | 1126.108 | 1126.109 | 1126.110 | 1126.111 | |
| | 0.80 | Weight [kg] | 26.8 | 29.3 | 33.2 | 36.6 | 39.5 | 43.0 | 46.4 | 51.8 | 55.2 | |
| | | Ref. No. | 1128.103 | 1128.104 | 1128.105 | 1128.106 | 1128.107 | 1128.108 | 1128.109 | 1128.110 | 1128.111 | |
| | | Handrail/Guardrail | Ref. No. | 1120.003 | 1120.004 | 1120.005 | 1120.006 | 1120.007 | 1120.008 | 1120.009 | 1120.010 | 1120.011 |
| | | Handrail/Guardrail | Ref. No. | 1120.023 | 1120.024 | 1120.025 | 1120.026 | 1120.027 | 1120.028 | 1120.029 | 1120.030 | 1120.031 |
| Inclination | Width [m] | Vert. height [m] | 0.675 | 0.90 | 1.125 | 1.35 | 1.575 | 1.80 | 2.025 | 2.25 | 2.475 | |
| 55° | 0.60 | Number of rungs | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| | | Projection [m] | 0.93 | 1.06 | 1.19 | 1.32 | 1.45 | 1.58 | 1.71 | 1.84 | 1.97 | |
| | | Weight [kg] | 21.5 | 24.1 | 27.1 | 29.9 | 32.7 | 35.6 | 38.4 | 41.3 | 44.0 | |
| | | Ref. No. | 1126.203 | 1126.204 | 1126.205 | 1126.206 | 1126.207 | 1126.208 | 1126.209 | 1126.210 | 1126.211 | |
| | 0.80 | Weight [kg] | 25.5 | 28.1 | 31.6 | 35.2 | 38.8 | 43.4 | 47.0 | 50.6 | 53.1 | |
| | | Ref. No. | 1128.203 | 1128.204 | 1128.205 | 1128.206 | 1128.207 | 1128.208 | 1128.209 | 1128.210 | 1128.211 | |
| | | Handrail/Guardrail | Ref. No. | 1120.023 | 1120.024 | 1120.025 | 1120.026 | 1120.027 | 1120.028 | 1120.029 | 1120.030 | 1120.031 |
| | | Handrail/Guardrail | Ref. No. | 1120.023 | 1120.024 | 1120.025 | 1120.026 | 1120.027 | 1120.028 | 1120.029 | 1120.030 | 1120.031 |

¹ Because of the step dimensions and the resulting surefootedness, the products shown on this page are called stairways. But normally they are stairway similar accesses and for these the standard of step ladders ist valid (DIN EN 131, BGI 694).

Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale.

Technical Data:

| | |
|----------------------------|---|
| Step width: | 0.60 m or 0.80 m |
| Stairway width: | Step width + 0.10 m with one-side handrail Step width + 0.13 m with both-side handrail |
| Step length: | 200 mm, grooved for sure footing |
| Platform length: | 0.60 m |
| Inclination: | 45° or 55° (ideal 45°) |
| Projection: | Measures from front edge to wall |
| Vertical height: | max. 4.00 m (Measures from floor to upper edge of the platform) |
| Step spacing: | 200 to 225 mm (dependance of the inclination) |
| 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). |
| Permissible load capacity: | max. step load 150 kg; max. total load 300 kg |

| Inclination | Width [m] | Vert. height [m] | 2.40 | 2.60 | 2.80 | 3.00 | 3.20 | 3.40 | 3.60 | 3.80 | |
|-------------|----------------------|------------------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 45° | | Number of rungs | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| | | Projection [m] | 2.95 | 3.15 | 3.35 | 3.55 | 3.75 | 3.95 | 4.15 | 4.35 | |
| | 0.60 | Weight [kg] | 50.6 | 54.1 | 56.5 | 60.0 | 63.4 | 66.8 | 70.2 | 73.7 | |
| | | Ref. No. | 1126.112 | 1126.113 | 1126.114 | 1126.115 | 1126.116 | 1126.117 | 1126.118 | 1126.119 | |
| | 0.80 | Weight [kg] | 58.1 | 63.1 | 66.5 | 70.5 | 73.4 | 77.8 | 81.7 | 85.7 | |
| | | Ref. No. | 1128.112 | 1128.113 | 1128.114 | 1128.115 | 1128.116 | 1128.117 | 1128.118 | 1128.119 | |
| | Handrail / Guardrail | | Ref. No. | 1120.012 | 1120.013 | 1120.014 | 1120.015 | 1120.016 | 1120.017 | 1120.018 | 1120.019 |
| | Inclination | Width [m] | Vert. height [m] | 2.70 | 2.925 | 3.15 | 3.375 | 3.60 | 3.83 | | |
| 55° | | Number of rungs | 12 | 13 | 14 | 15 | 16 | 17 | | | |
| | | Projection [m] | 2.10 | 2.23 | 2.36 | 2.49 | 2.62 | 2.75 | | | |
| | 0.60 | Weight [kg] | 46.9 | 49.8 | 52.0 | 55.6 | 58.4 | 61.2 | | | |
| | | Ref. No. | 1126.212 | 1126.213 | 1126.214 | 1126.215 | 1126.216 | 1126.217 | | | |
| | 0.80 | Weight [kg] | 58.7 | 63.3 | 65.9 | 69.5 | 73.1 | 76.7 | | | |
| | | Ref. No. | 1128.212 | 1128.213 | 1128.214 | 1128.215 | 1128.216 | 1128.217 | | | |
| | Handrail / Guardrail | | Ref. No. | 1120.032 | 1120.033 | 1120.034 | 1120.035 | 1120.036 | 1120.037 | | |

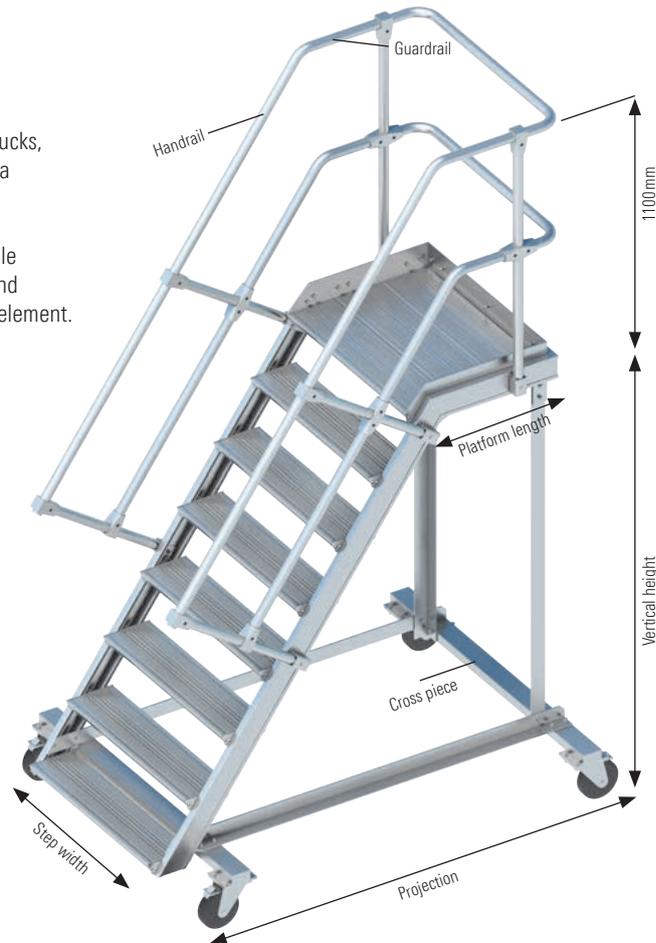
¹ Because of the step dimensions and the resulting surefootedness, the products shown on this page are called stairways. But normally they are stairway similar accesses and for these the standard of step ladders ist valid (DIN EN 131, BGI 694).

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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.

Special stile made of strong aluminium section. Step profile grooved for sure footing. Handrail of 40 mm diameter round tubing with cast aluminium connector as the connecting element.



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

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Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale.

Technical Data:

| | |
|----------------------------|--|
| Step width: | 0.60 m or 0.80 m |
| Stairway width: | Step width + 0.10 m with one-side handrail + cross-piece Step width + 0.13 m with both-side handrail + cross-piece |
| Step length: | 200 mm, grooved for sure footing |
| Inclination: | 45° or 55° (ideal 45°) |
| Platform length: | 0.60 m |
| Vertical height: | max. 4.00 m (Measures from floor to upper edge of the platform) |
| Step spacing: | 200 to 225 mm (dependance of the inclination) |
| Handrail: | 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 |
| Permissible load capacity: | max. step load 150 kg; max. total load 300 kg |

| Inclination | Width [m] | Vert. height [m] | 2.00 | 2.20 | 2.40 | 2.60 | 2.80 | 3.00 |
|-------------|-----------|------------------|----------|----------|----------|----------|----------|----------|
| 45° | 0.60 | Number of rungs | 10 | 11 | 12 | 13 | 14 | 15 |
| | | Projection [m] | 3.12 | 3.34 | 3.55 | 3.77 | 3.99 | 4.21 |
| | | Cross-piece [m] | 1.15 | 1.15 | 1.25 | 1.25 | 1.30 | 1.30 |
| | | Weight [kg] | 88.2 | 94.5 | 101.9 | 109.2 | 115.3 | 123.9 |
| | | Ref. No. | 1136.110 | 1136.111 | 1136.112 | 1136.113 | 1136.114 | 1136.115 |
| | 0.80 | Cross-piece [m] | 1.40 | 1.40 | 1.50 | 1.50 | 1.50 | 1.50 |
| | | Weight [kg] | 97.7 | 103.4 | 112.4 | 119.7 | 127.9 | 136.0 |
| | | Ref. No. | 1138.110 | 1138.111 | 1138.112 | 1138.113 | 1138.114 | 1138.115 |
| | | | | | | | | |
| | | | | | | | | |
| Inclination | Width [m] | Vert. height [m] | 2.25 | 2.475 | 2.70 | 2.925 | 3.15 | 3.375 |
| 55° | 0.60 | Number of rungs | 10 | 11 | 12 | 13 | 14 | 15 |
| | | Projection [m] | 2.58 | 2.74 | 2.89 | 3.05 | 3.21 | 3.37 |
| | | Cross-piece [m] | 1.15 | 1.15 | 1.25 | 1.25 | 1.30 | 1.30 |
| | | Weight [kg] | 84.0 | 90.0 | 97.0 | 104.0 | 110.0 | 118.0 |
| | | Ref. No. | 1136.210 | 1136.211 | 1136.212 | 1136.213 | 1136.214 | 1136.215 |
| | 0.80 | Cross-piece [m] | 1.40 | 1.40 | 1.50 | 1.50 | 1.50 | 1.50 |
| | | Weight [kg] | 93.0 | 98.5 | 107.0 | 114.0 | 121.5 | 129.5 |
| | | Ref. No. | 1138.210 | 1138.211 | 1138.212 | 1138.213 | 1138.214 | 1138.215 |
| | | | | | | | | |
| | | | | | | | | |

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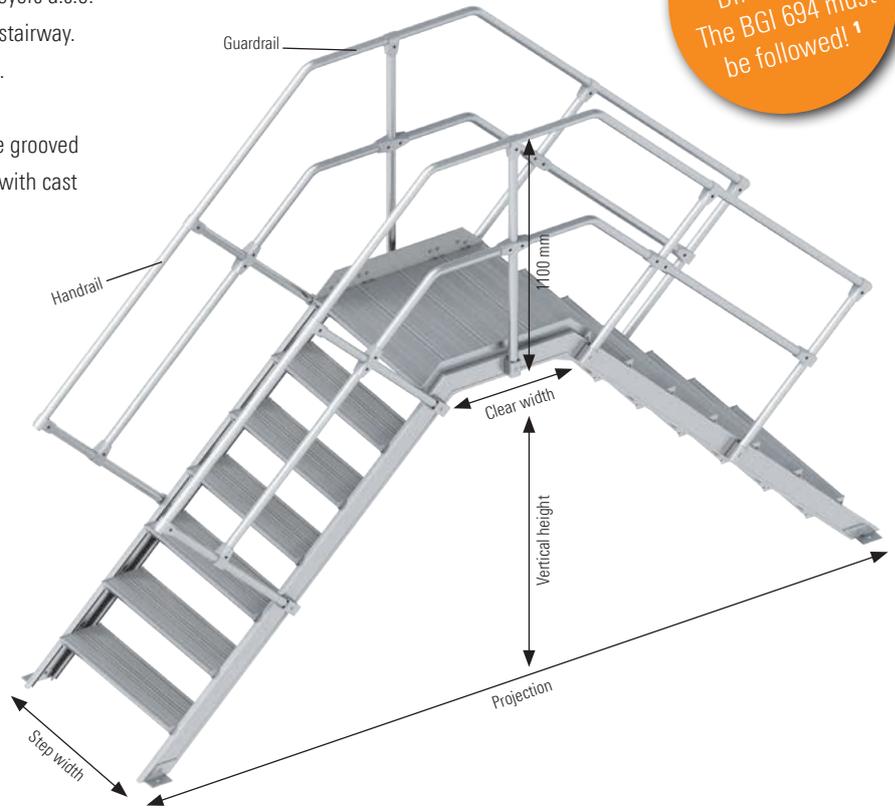
Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale.

Alu bridging stairway, statical or movable 114

Statical: 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.

Special stile made of strong aluminium section. Step profile grooved for sure footing. Handrail of 40 mm diameter round tubing with cast aluminium connector as the connecting element.



Complies to
DIN EN 131.
The BGI 694 must
be followed! ¹

| Inclination | Width [m] | Vert. clear height [m] | 0.60 | 0.80 | 1.00 | 1.20 |
|---------------------------|-----------|------------------------|----------|----------|----------|----------|
| 45° | 0.60 | Number of rungs | 3 | 4 | 5 | 6 |
| | | Projection [m] | 1.94 | 2.36 | 2.78 | 3.20 |
| | | Weight [kg] | 32.0 | 35.3 | 39.2 | 43.4 |
| | | Ref. No. | 1146.103 | 1146.104 | 1146.105 | 1146.106 |
| | 0.80 | Weight [kg] | 37.8 | 42.5 | 47.6 | 52.6 |
| | | Ref. No. | 1148.103 | 1148.104 | 1148.105 | 1148.106 |
| Handrail/Guardrail | | Ref. No. | 1140.003 | 1140.004 | 1140.005 | 1140.006 |
| Inclination | Width [m] | Vert. clear height [m] | 0.62 | 0.85 | 1.07 | 1.30 |
| 55° | 0.60 | Number of rungs | 3 | 4 | 5 | 6 |
| | | Projection [m] | 1.67 | 2.00 | 2.30 | 2.62 |
| | | Weight [kg] | 30.9 | 34.1 | 37.8 | 42.0 |
| | | Ref. No. | 1146.203 | 1146.204 | 1146.205 | 1146.206 |
| | 0.80 | Weight [kg] | 36.4 | 40.7 | 45.8 | 51.1 |
| | | Ref. No. | 1148.203 | 1148.204 | 1148.205 | 1148.206 |
| Handrail/Guardrail | | Ref. No. | 1140.023 | 1140.024 | 1140.025 | 1140.026 |

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Technical Data:

| | |
|----------------------------|--|
| Step width: | 0.60 m or 0.80 m |
| Stairway 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) |
| Step length: | 200 mm, grooved for sure footing |
| Inclination: | 45° or 55° (ideal 45°) |
| Inner width: | 0.55 m |
| Platform length: | Inner width + 0.25 m |
| Vert. clear height: | max. 4.00 m (Measures from floor to bottom edge of the platform) |
| Step spacing: | 200 to 225 mm (dependance of the inclination) |
| 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). |
| Statical: | Fixation with bearing-angles; standard version |
| Movable: | Cross-piece and castors with lock, which blocks the wheel and the forkhead. |
| Permissible load capacity: | max. step load 150 kg; max. total load 300 kg |

| Inclination | Width [m] | Vert. clear height [m] | 1.40 | 1.60 | 1.80 | 2.00 |
|---------------------------|-----------|------------------------|----------|----------|----------|----------|
| 45° | 0.60 | Number of rungs | 7 | 8 | 9 | 10 |
| | | Projection [m] | 3.40 | 4.12 | 4.56 | 5.00 |
| | | Weight [kg] | 55.0 | 62.5 | 70.5 | 79.4 |
| | | Ref. No. | 1146.107 | 1146.108 | 1146.109 | 1146.110 |
| | 0.80 | Weight [kg] | 65.7 | 74.4 | 82.9 | 93.6 |
| | | Ref. No. | 1148.107 | 1148.108 | 1148.109 | 1148.110 |
| Handrail/Guardrail | | Ref. No. | 1140.007 | 1140.008 | 1140.009 | 1140.010 |
| Inclination | Width [m] | Vert. clear height [m] | 1.53 | 1.75 | 1.98 | 2.20 |
| 55° | 0.60 | Number of rungs | 7 | 8 | 9 | 10 |
| | | Projection [m] | 2.94 | 3.25 | 3.57 | 3.88 |
| | | Weight [kg] | 53.2 | 60.4 | 67.6 | 76.8 |
| | | Ref. No. | 1146.207 | 1146.208 | 1146.209 | 1146.210 |
| | 0.80 | Weight [kg] | 63.4 | 71.7 | 80.0 | 90.3 |
| | | Ref. No. | 1148.207 | 1148.208 | 1148.209 | 1148.210 |
| Handrail/Guardrail | | Ref. No. | 1140.027 | 1140.028 | 1140.029 | 1140.030 |

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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 Assembly 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.



Manufacturer quality management certified according **ISO 9001:2008**



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.

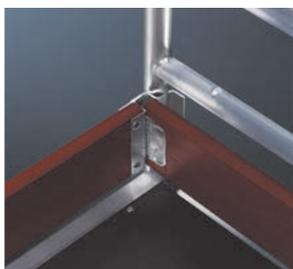
Long and conical spigots ensure a secure and easy-action connection of the ladder frames to one another, easily made safe by spring clips.



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 | Zifa | Uni Light | Uni Compact |
|--|--|--|--|
| Description/ Features | Fits through room doors when assembled and loaded, requires little space for transport | Ideal for cramped conditions at the place of use | Double-width working surface, yet with compact outer dimensions. |
| Dimensions of working platform | 0.75 x 1.80 m | 0.75 x 1.80 m | 1.50 x 1.80 m |
| Max. working height (in closed areas) | 7.76 m | 9.26 m | 10.38 m |
| Max. working height (outdoors) | 7.76 m | 9.26 m | 9.38 m |
| Permissible live load | 2.0 kN/m ² | 2.0 kN/m ² | 2.0 kN/m ² |
| Maximum permissible UDL* | 240 kg | 240 kg | 485 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 Standard



Uni Wide



Uni Comfort



Staro rolling tower

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

0.75 x 2.85 m

1.50 x 2.85 m

1.50 x 1.80 m

1.95 x 1.95 m

13.38 m

13.38 m

14.20 m

3.90 m

9.38 m

9.38 m

10.20 m

3.90 m

2.0 kN/m²

2.0 kN/m²

2.0 kN/m²

1.5 kN/m²

380 kg

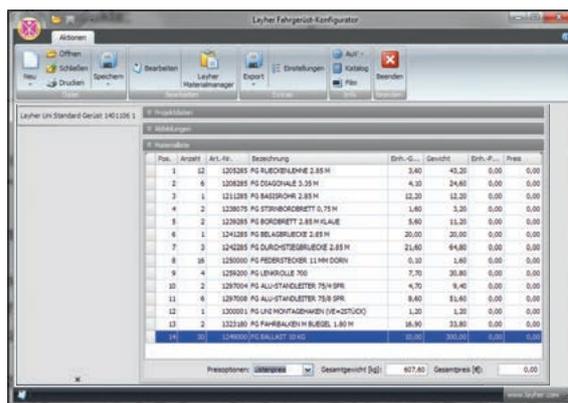
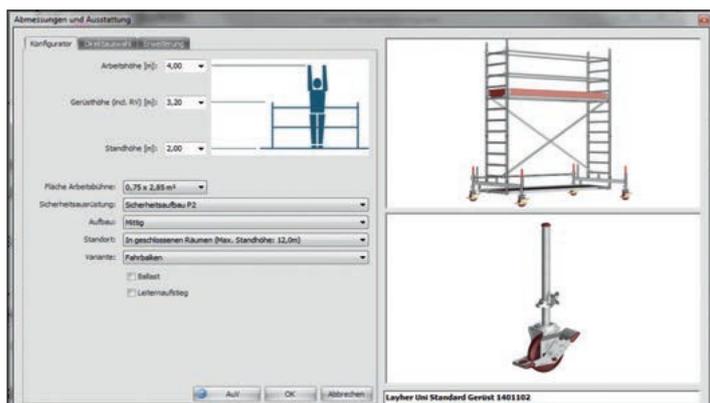
765 kg

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: Ref. No. 6345.700

More safety, when using Layher rolling towers

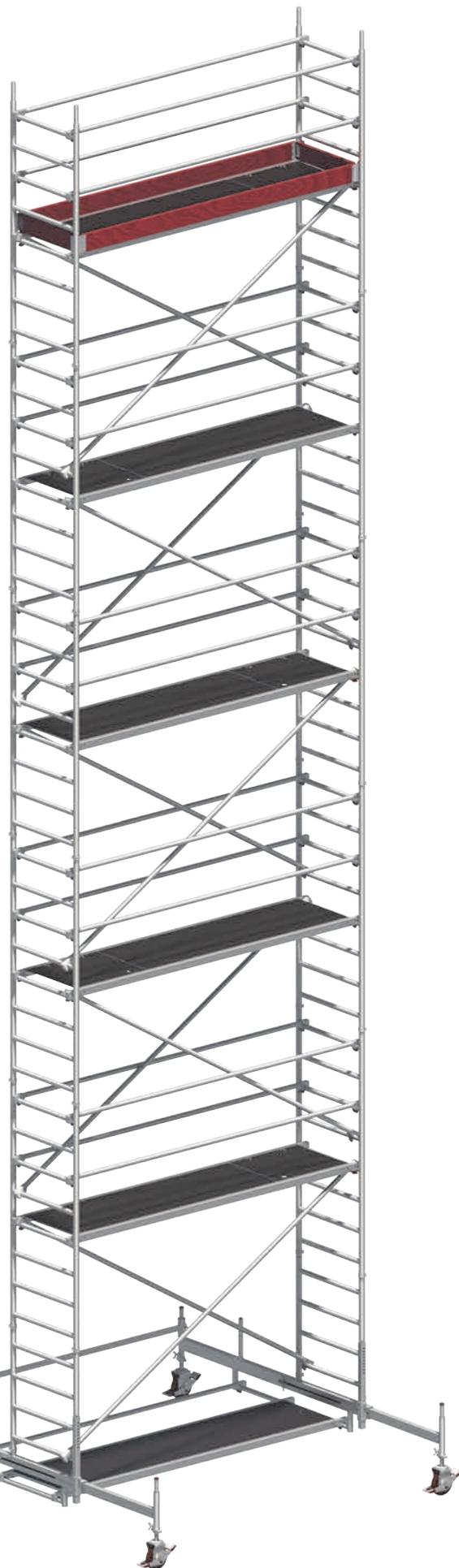
To comply with European industrial safety laws, you as an employer must ensure that your workforce is only provided with equipment that, when used for its intended purpose, guarantees both safety and health protection. Appropriate safety measures have to be taken by you. Collective risk prevention takes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

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

The New Safety Structure P2

- ▶ Platforms with a vertical spacing of 2 m.
- ▶ Safe 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.

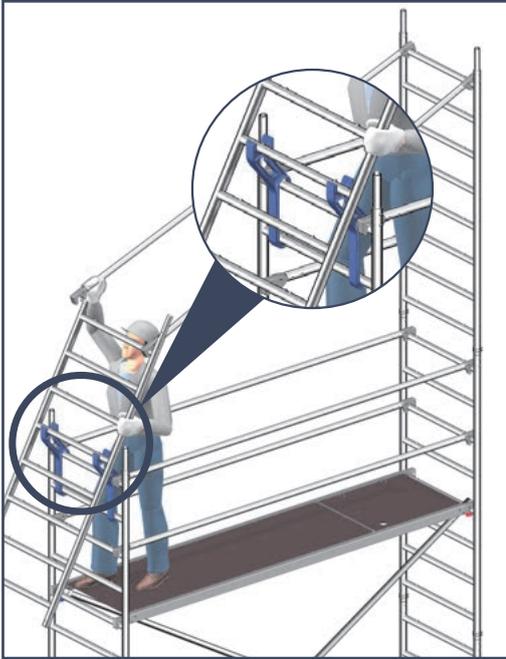
The innovative Uni assembly hook:

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

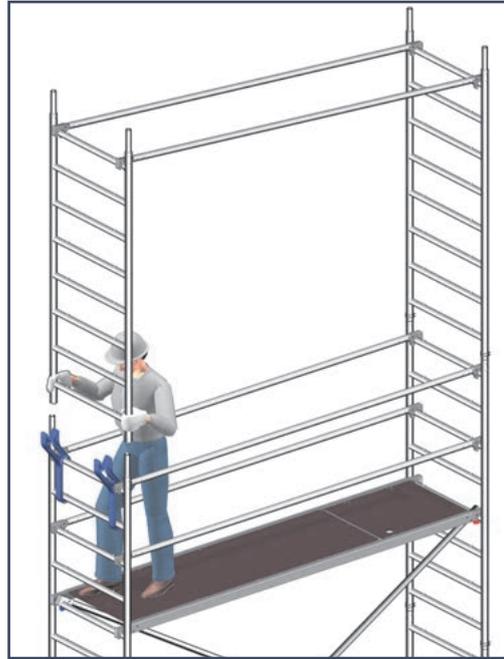
The principle – Simple. Swift. Safe.

1 Fit the first ladder frame.

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



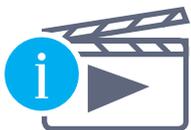
2 Swing ladder frame with rear guardrail upwards and fit into place.



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
on YouTube unter:
yt-p2-en.layher.com

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 44.

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)





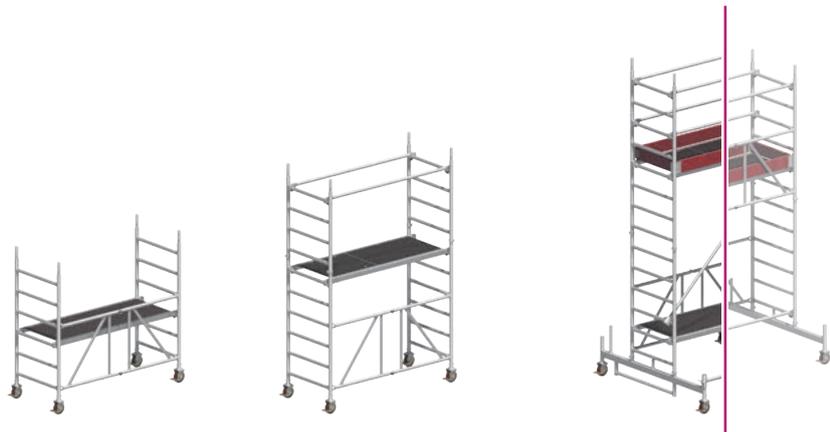
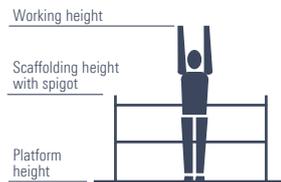
Layher. 

Theodor-Heuss-Saal

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 82 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) |
| Uni assembly hook | 1300.001 | 0 | 0 | 1 (0) | 1 (0) | 1 | 1 (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) |
| Ballast | 1249.000 | For requirement see table below | | | | | |



The Zifa family

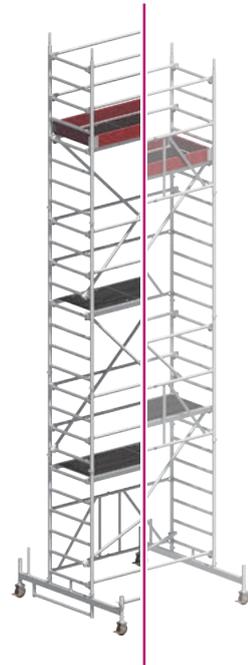
| Tower model |   | 1406200 | 1406210 | 1406213 Safety structure P2 | 623 Min. requirements DIN EN 1004 |
|------------------------------------|---|---------|---------|--------------------------------|---|
| Working height [m] | | 2.86 | 3.61 | 4.76 | 4.26 |
| Tower height [m] | | 1.83 | 2.83 | 3.98 | 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* | | 14 r4* | 16 r6 | 0 0 | 0 |
| Assembly off-set | | X | X | 10 r2 | 0 |
| Assembly off-set with wall bracing | | 14 r0* | 16 r0 | 0 0 | 0 |
| Outdoors | | | | | |
| Assembly central | | 14 r4* | 16 r6 | 0 0 | 0 |
| Assembly off-set | | X | X | 10 r2 | 0 |
| Assembly off-set with wall bracing | | 14 r0* | 16 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 |

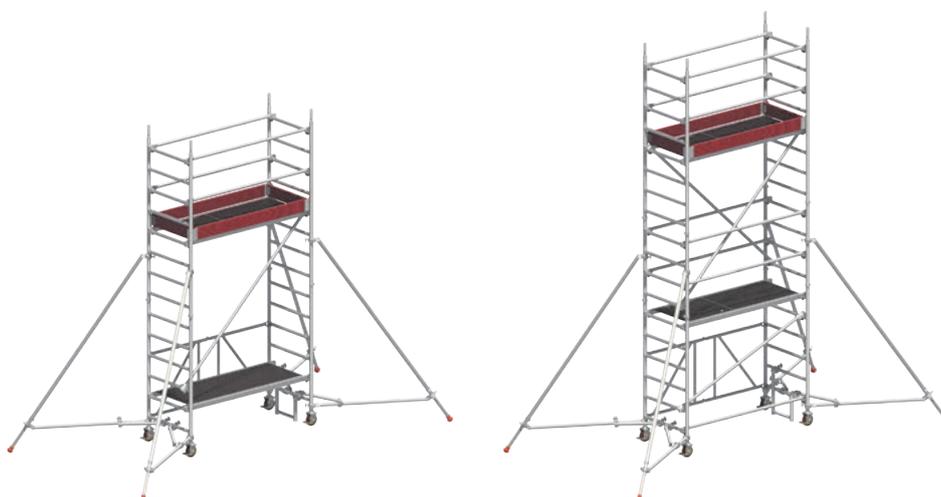
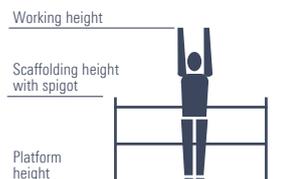
All dimensions and weights are guideline values. Subject to technical modification. Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. Title to the delivered goods shall be retained until full payment has been made. When purchasing, you receive instructions 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 82 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 |
| Ladder frame 75/4 – 1.00 m | 1250.000 | 4 | 8 | 8 | 12 | 12 |
| Ladder frame 75/8 – 2.00 m | 1297.004 | 0 | 2 | 0 | 2 | 0 |
| Uni assembly hook | 1297.008 | 2 | 2 | 4 | 4 | 6 |
| Zifa 75 basic tower | 1300.001 | 1 | 1 | 1 | 1 | 1 |
| Castor 400 – 4 kN | 1300.006 | 1 | 1 | 1 | 1 | 1 |
| Mobile beam with bar | 1381.150 | 4 | 4 | 4 | 4 | 4 |
| Access ledger 0.30 m | 1344.002 | 1 | 1 | 1 | 1 | 1 |
| Ballast | 1249.000 | For requirement see table below | | | | |



The Zifa family

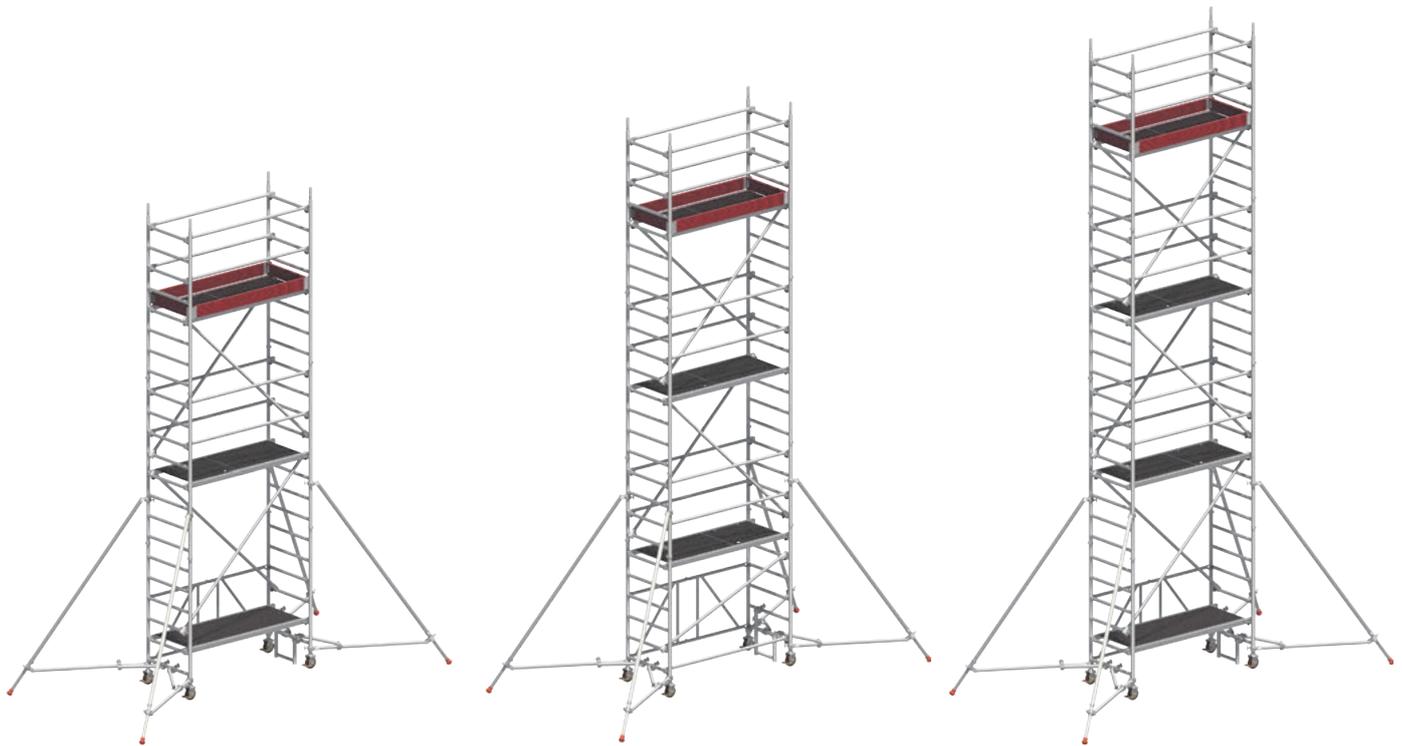
| Tower model |   | 1406233 Safety structure P2 | 1406234 Safety structure P2 |
|------------------------------------|---|--------------------------------|--------------------------------|
| Working height [m] | | 4.61 | 5.61 |
| Tower height [m] | | 3.83 | 4.83 |
| Platform height [m] | | 2.61 | 3.61 |
| 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 |

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).



| 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 |
| LO R8 | LO R10 | LO R14 |
| 0 | 0 | 0 |
| 12 r2 | 14 r4 | 18 r8 |
| LO R12 | LO R18 | LO 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 safe 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 50.

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)



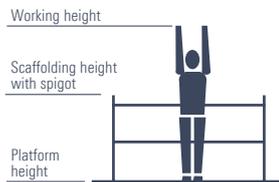
Layher

Uni Light

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 74 onwards).

| Tower model | Artikel-Nr. | 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 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* | | 14 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* | | 14 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: 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).

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 |

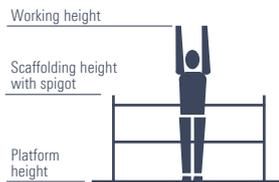
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Uni Light with stabilizers, extendable

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 82 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 11 mm | 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 |
| Uni Assembly hook | 1300.001 | 1 | 1 | 1 | 1 | 1 |
| Castor 400 – 4 kN | 1381.150 | 4 | 4 | 4 | 4 | 4 |
| Access ledger 0.30 m | 1344.002 | 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 |

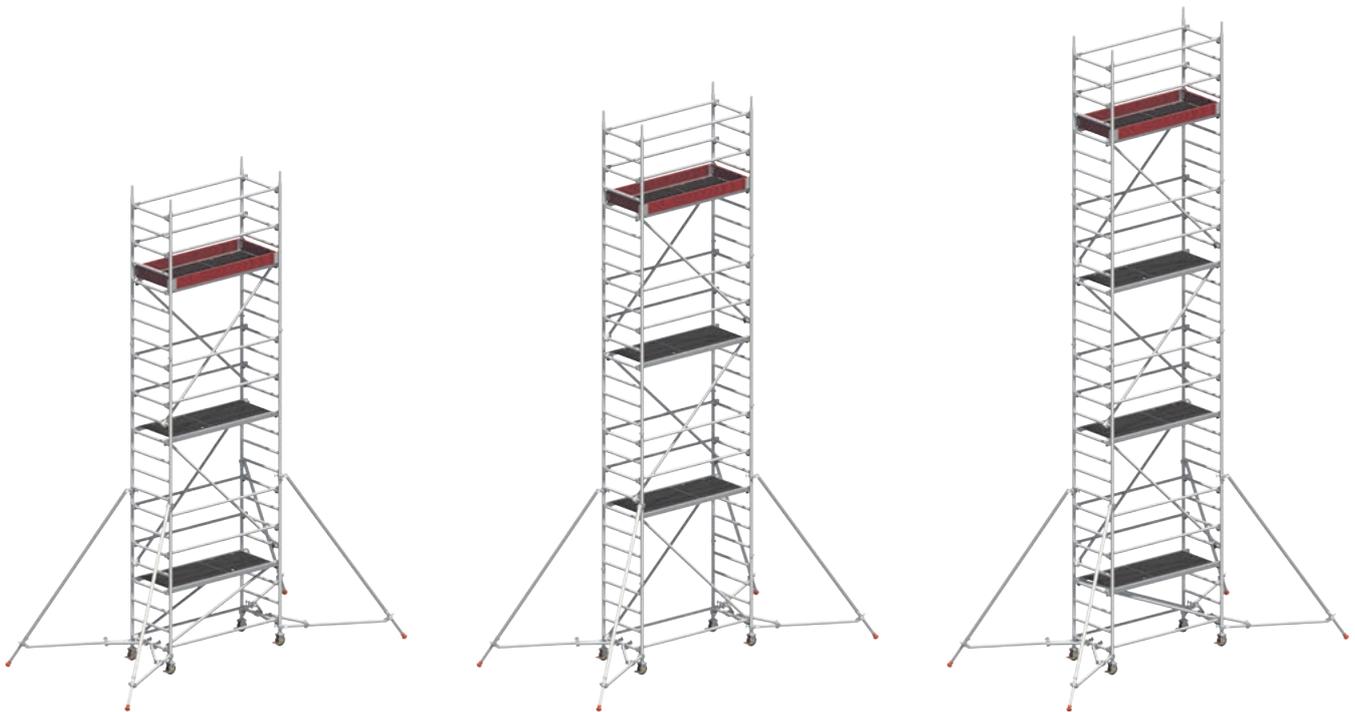
X = not possible / not permissible 0 = no ballast required

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 6 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 |
| 13 r3 | 16 r6 | 18 r8 |
| L0 R14 | X | X |
| 0 | 0 | 12 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 56.

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)



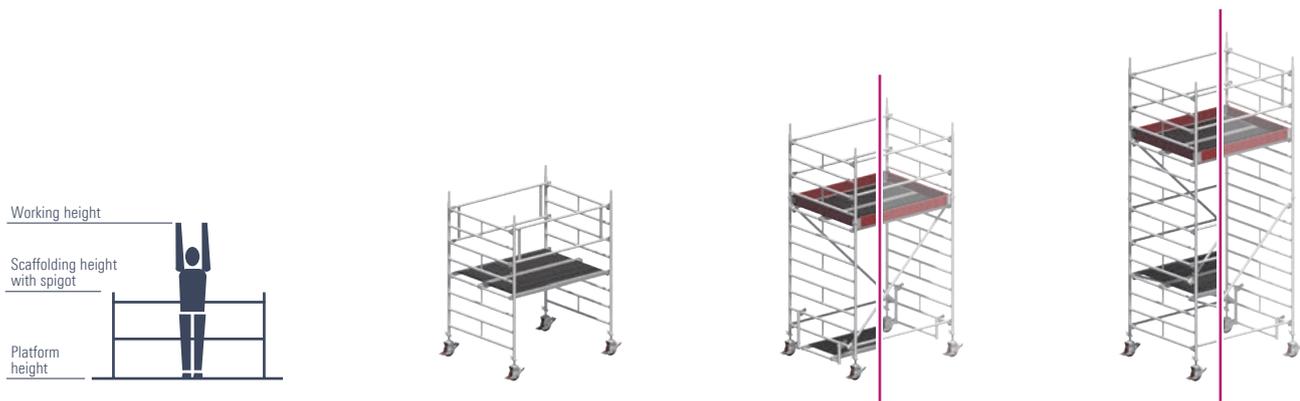
Layher

Uni Compact

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 82 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 | l1 r1 | 0 | l1 r1 | 4 |
| Assembly off-set | | X | X | X | X | X |
| Assembly off-set with wall bracing | | 0 | l2 r0 | X | l2 r0 | X |
| Outdoors | | | | | | |
| Assembly central* | | 0 | l1 r1 | 0 | l3 r3 | 6 |
| Assembly off-set | | X | X | X | X | X |
| Assembly off-set with wall bracing | | 0 | l2 r0 | X | l4 r0 | X |

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 6 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).

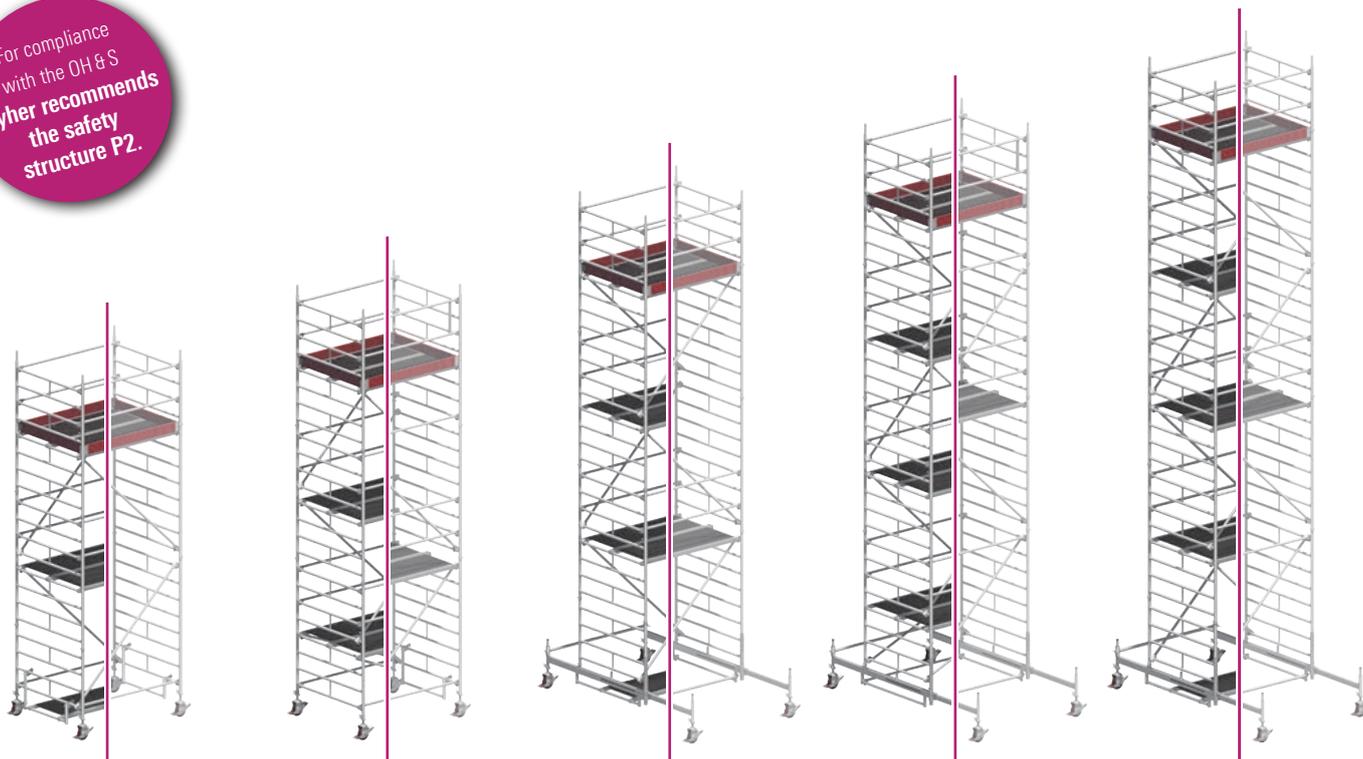
Retrofitting table

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. | 1400027 | 1400028 | 1400029 | 1400030 | 1400031 | 1400032 | 1400033 |
|------------------------|----------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|
| <i>for tower model</i> | | 5002 | 5003 | 5004 | 5005 | 5006* | 5007* | 5008* |
| Guardrail 1.80 m | 1205.180 | 0 | 4 | 4 | 2 | 3 | 4 | 5 |
| Diagonale 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 |
| 14 r4 | 8 | 14 r4 | 8 | 0 | 0 | 0 | 4 | l1 r1 | 6 |
| X | X | X | X | 0 | 0 | 0 | 4 | l1 r1 | 8 |
| 14 r0 | X | 14 r0 | X | 0 | 0 | 0 | 4 | l1 r1 | 8 |
| 17 r7 | 14 | l11 r11 | 20 | l13 r13 | 24 | l17 r17 | 36 | X | X |
| X | X | X | X | l13 r13 | 24 | l17 r17 | 36 | X | X |
| l10 r4 | X | l14 r4 | X | l13 r13 | 24 | l17 r17 | 36 | X | X |

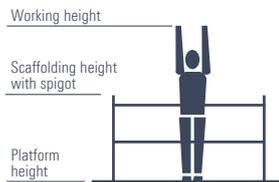
All dimensions and weights are guideline values. Subject to technical modification. Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. Title to the delivered goods shall be retained until full payment has been made. When purchasing, you receive instructions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

Uni Compact with stabilizers, extendable

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 82 onwards).

| Tower model | Ref. No. | 1405024 | 1405025 | 1405026 | 1405027 | 1405028 |
|----------------------------|----------|---------------------------------|---------|---------|---------|---------|
| 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 |
| Access ledger 1.8 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 11 mm | 1250.000 | 8 | 8 | 12 | 12 | 16 |
| Ladder frame 75/4 – 1.00 m | 1299.004 | 2 | 0 | 2 | 0 | 2 |
| Ladder frame 75/8 – 2.00 m | 1299.008 | 4 | 6 | 6 | 8 | 8 |
| Uni Assembly hook | 1300.001 | 1 | 1 | 1 | 1 | 1 |
| Castor 400 – 4 kN | 1259.201 | 4 | 4 | 4 | 4 | 4 |
| Access ledger 0.30 m | 1344.003 | 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 | | l2 r2 | l4 r4 |
| Assembly off-set | | L0 R4 | L0 R6 |
| Assembly off-set with wall bracing | | 0 | 0 |

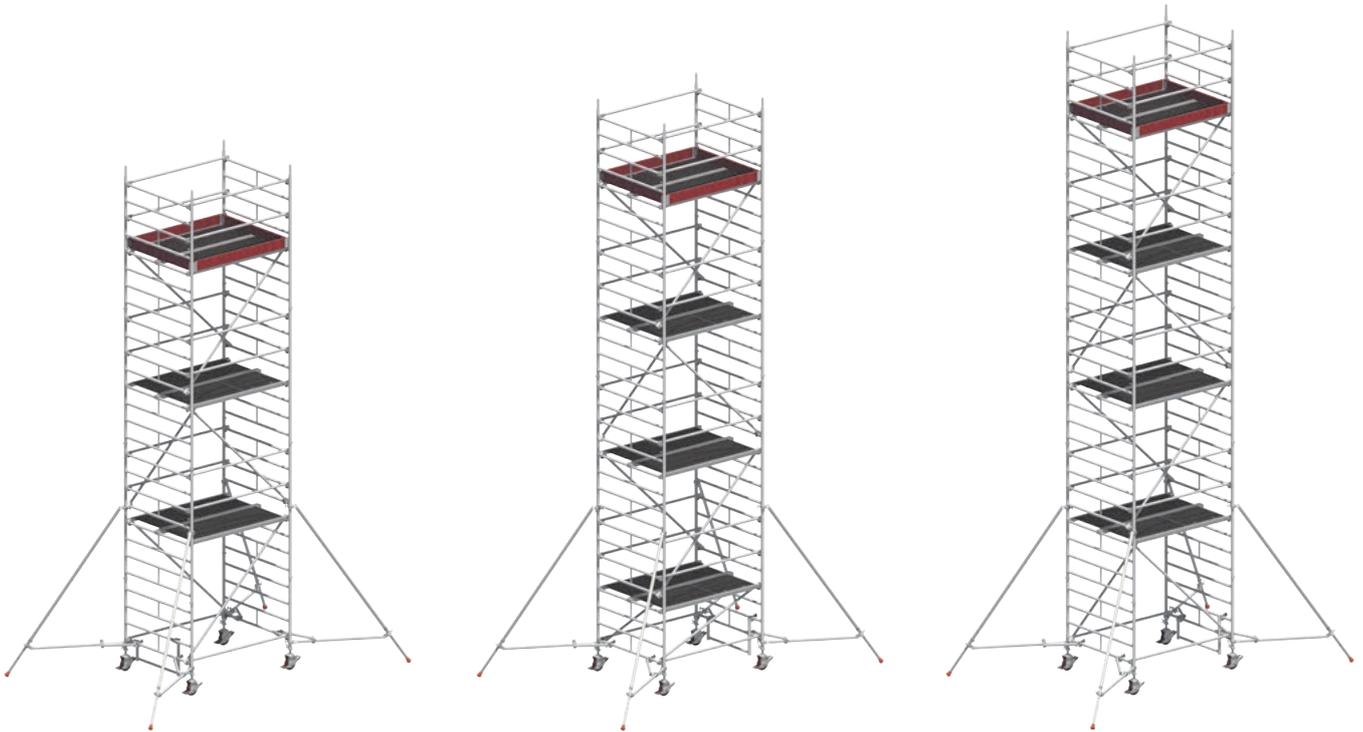
* Assembly with adjustable mobile beam, which must be fully extended. X = not possible/not permissible 0 = no ballast required

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: 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 6 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 |
| LO R4 | LO R4 | LO R6 |
| 0 | 0 | 0 |
| 19 r9 | 112 r12 | X |
| LO R10 | LO R14 | X |
| 0 | 0 | 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 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 62.

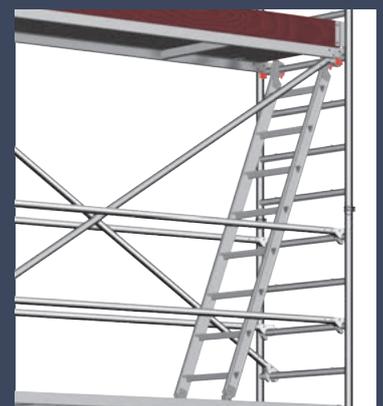
TECHNICAL DATA

- ▶ 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 60





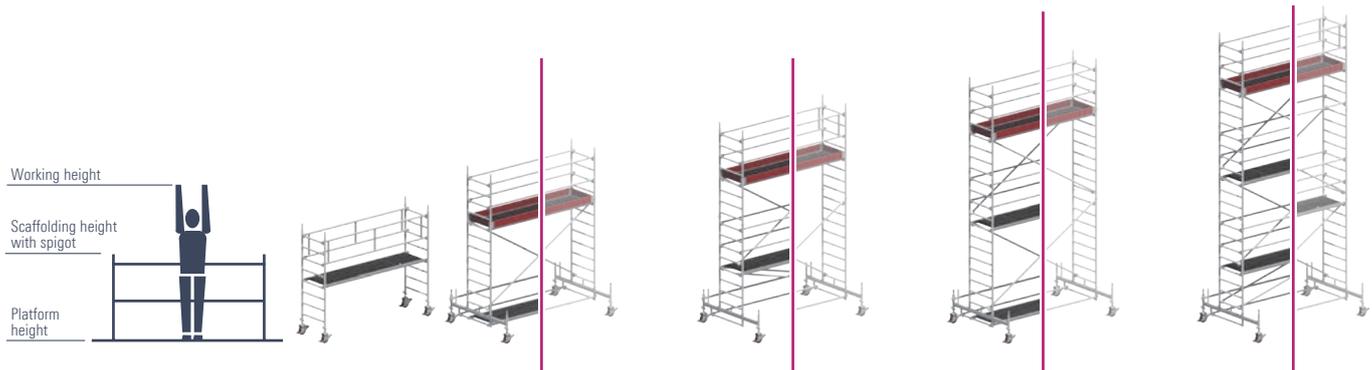
Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 82 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 |
| Assembly off-set | | X | 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 |
| Assembly central with 1 bracket* | | X | 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 |
| Outdoors | | | | | | | | | | |
| Assembly central* | | I2 r2 | 0 | 0 | I1 r1 | I0 r1 | I5 r5 | I4 r4 | I9 r9 | I9 r9 |
| Assembly off-set | | X | L0 R2 | 0 | L0 R6 | I0 r5 | L0 R10 | I0 r9 | L4 R16 | I2 r14 |
| Assembly off-set with wall bracing | | X | 0 | 0 | 0 | 0 | 0 | 0 | L4 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 |
| Assembly central with 2 brackets* | | X | I2 r2 | X | I5 r5 | X | I8 r8 | 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 6 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).

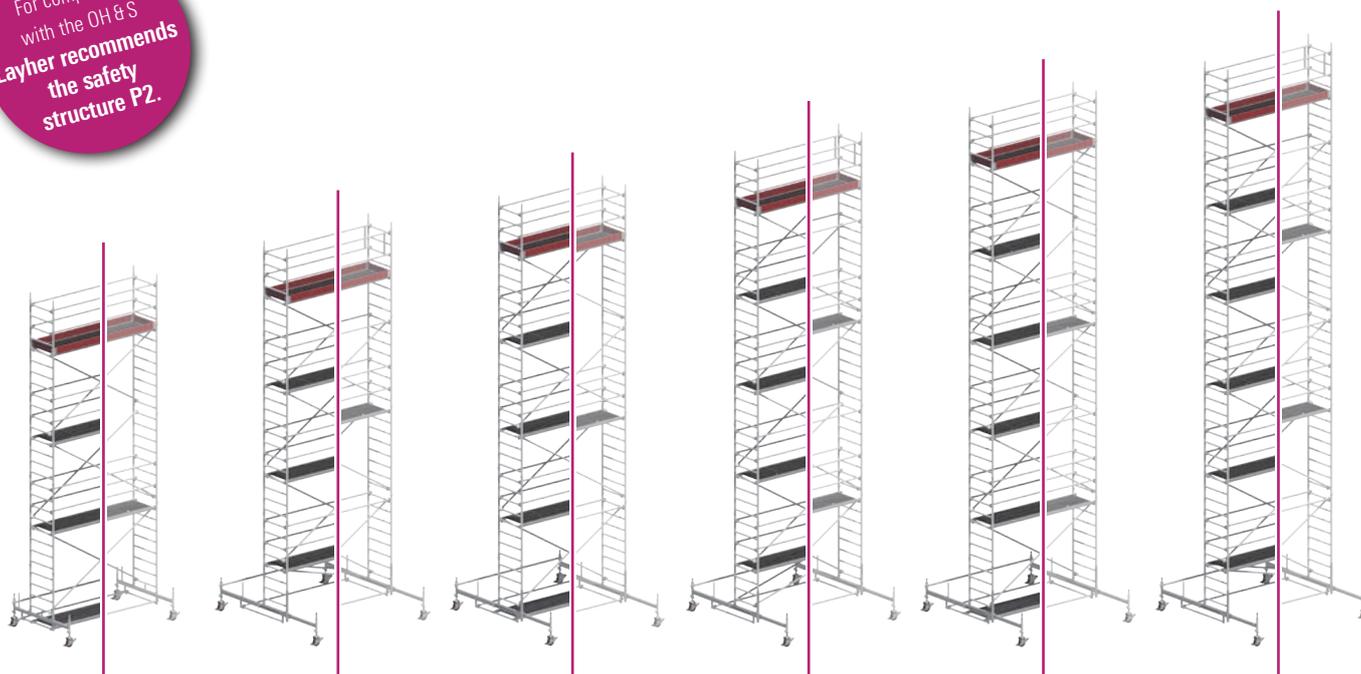
Retrofitting table

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. | 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 |
| | 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 |

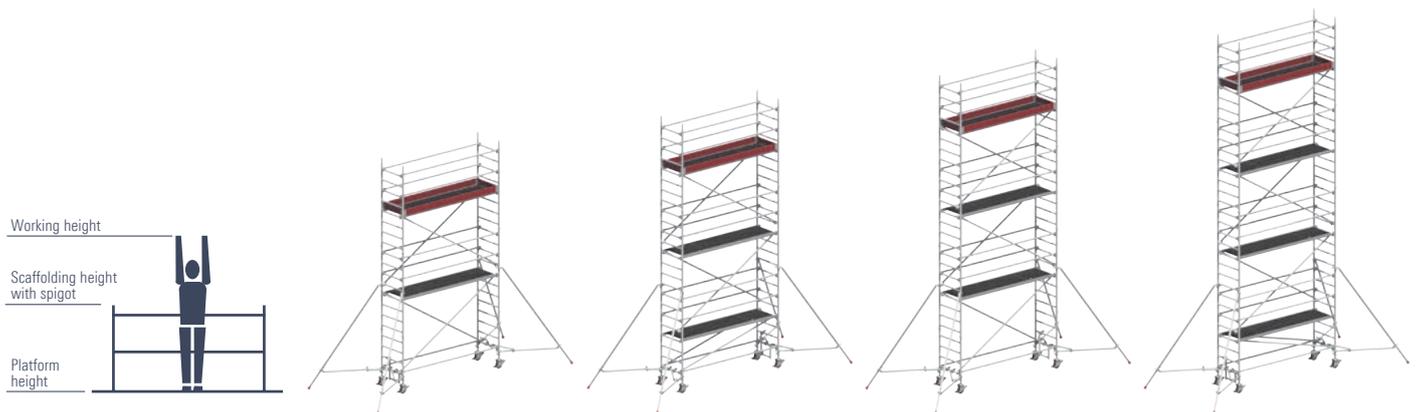
All dimensions and weights are guideline values. Subject to technical modification. Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. Title to the delivered goods shall be retained until full payment has been made. When purchasing, you receive instructions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

Uni Standard with stabilizers

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 82 onwards).

| | | Uni Standard P2 with stabilizers, extendable | | | | | | | |
|----------------------------|-------------|--|---------|---------|---------|---------|---------|---------|---------|
| Tower model | Artikel-Nr. | 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 |

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.

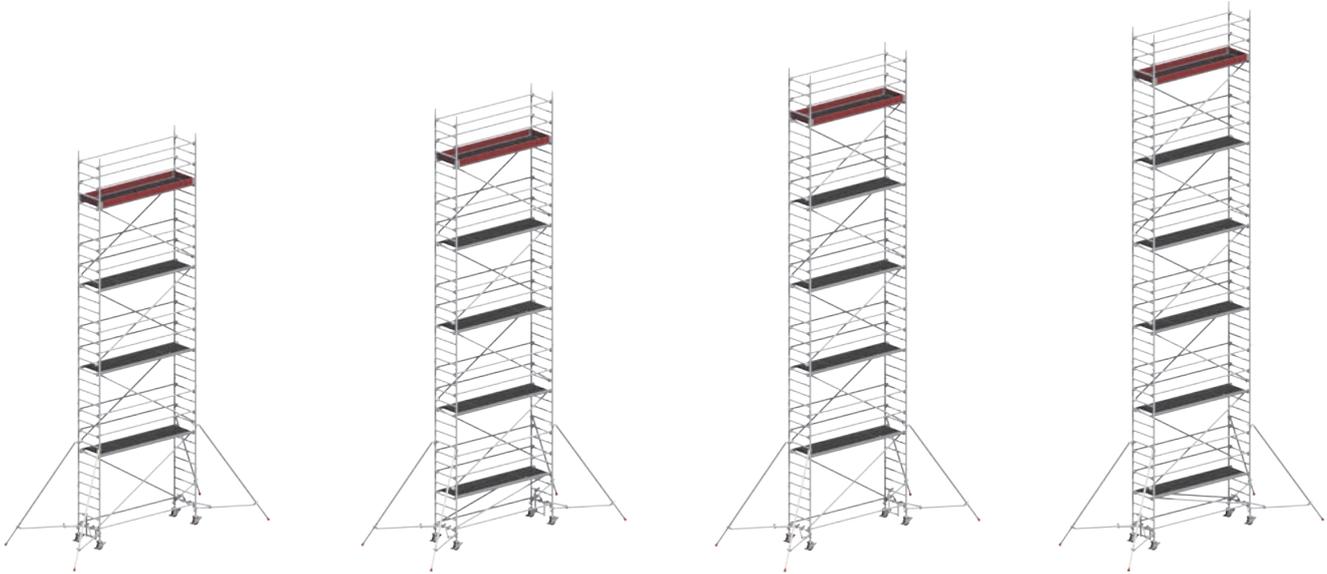
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!

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 |

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

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 68 in this respect and also instructions for assembly and use).

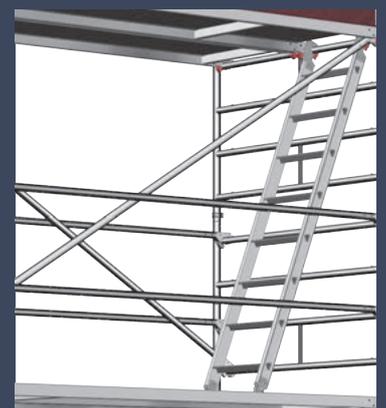
TECHNICAL DATA

- ▶ 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 66.





DEMAG

Layher

Uni Wide

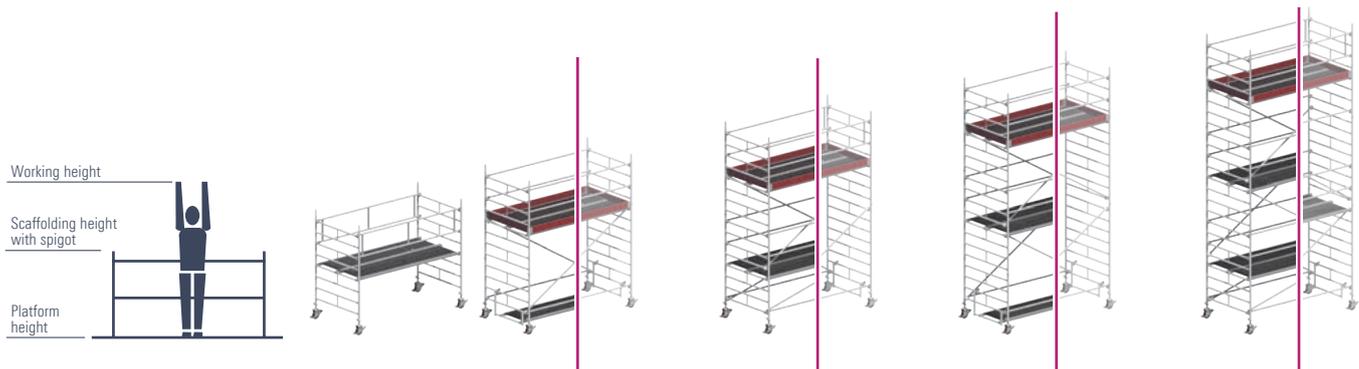
Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 82 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) |
| 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) |
| 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) |
| 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 | 1 | 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 | LO R2 | 0 | LO 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 |
| LO R8 | LO R6 | LO 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 | LO R6 | X | X | X | X | X | X | X | X | X | X |
| X | X | X | X | X | X | X | X | X | X | X | X |

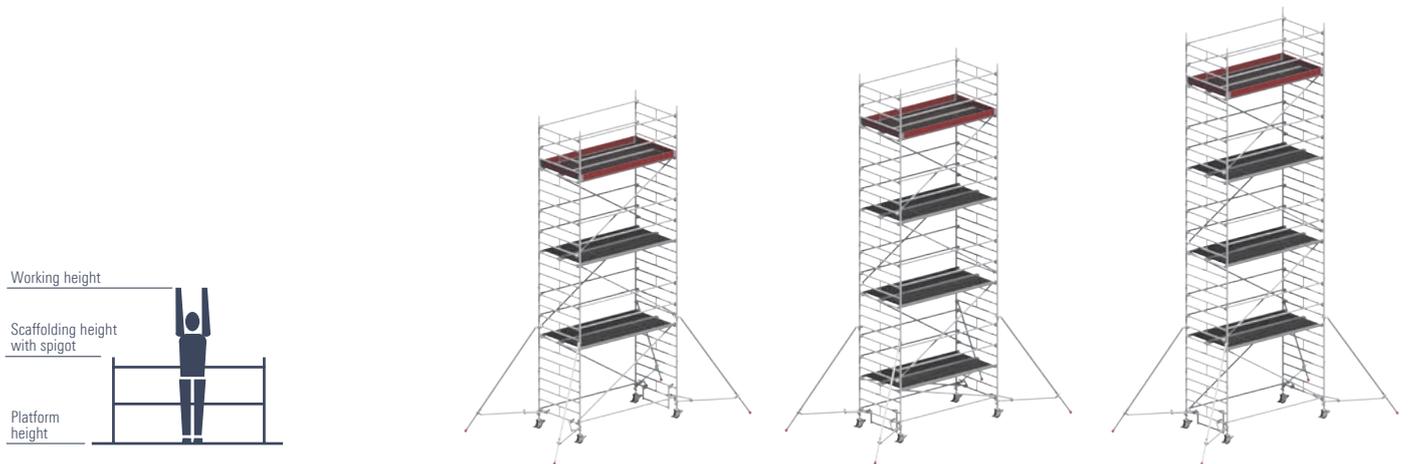
All dimensions and weights are guideline values. Subject to technical modification. Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. Title to the delivered goods shall be retained until full payment has been made. When purchasing, you receive instructions 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 82 onwards).

| Gerüsttyp | Artikel-Nr. | Uni Wide P2 with stabilizers, extendable | | | | | |
|-----------------------------|-------------|--|---------|---------|---------|---------|---------|
| | | 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 | 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 |

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 6 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 |

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 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 safe movement of the tower without dismantling it.

TECHNICAL DATA

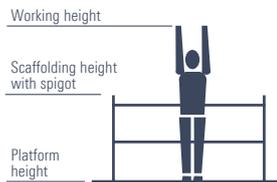
- ▶ Working height: 14.20 m
- ▶ Area of working platform: 1.50 x 1.80 m
- ▶ Permissible live load: 2 kN/m² (scaffolding group 3)



Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 82 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 – 7kN | 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 | 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.

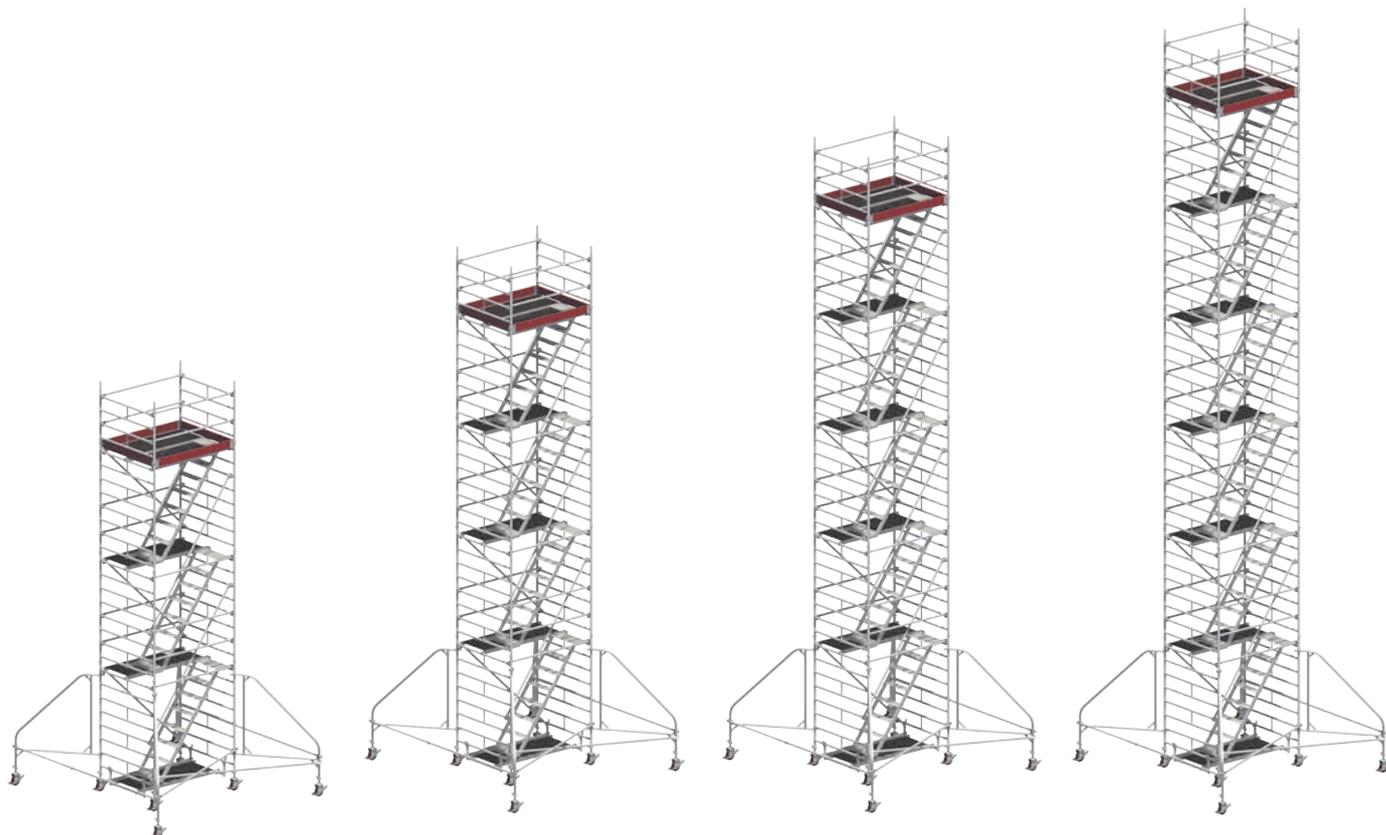
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

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.

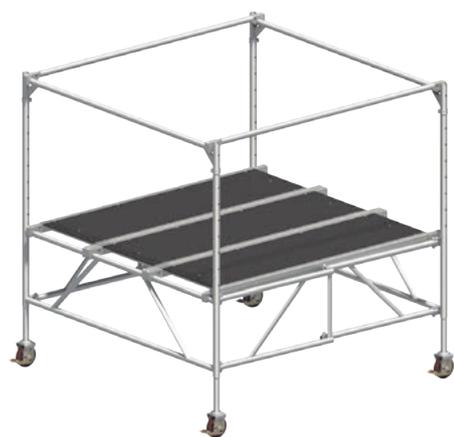
Work decks with aluminium frame and plywood insert.



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.

TECHNICAL DATA

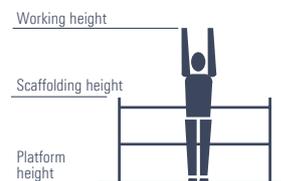
- ▶ Working height: 3.90 m
- ▶ Area of working platform: 1.95 x 1.95 m
- ▶ Permissible live load: 1.5 kN / m² (scaffolding group 2)



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 |

| 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/m² bis 10 m length)
- ▶ Permissible load class 3 (2 kN/m² bis 7.10 m length)

The above shown solution for bridging of rolling towers is a special application, which requires a verification for each individual case.

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 / m ²] | 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 |

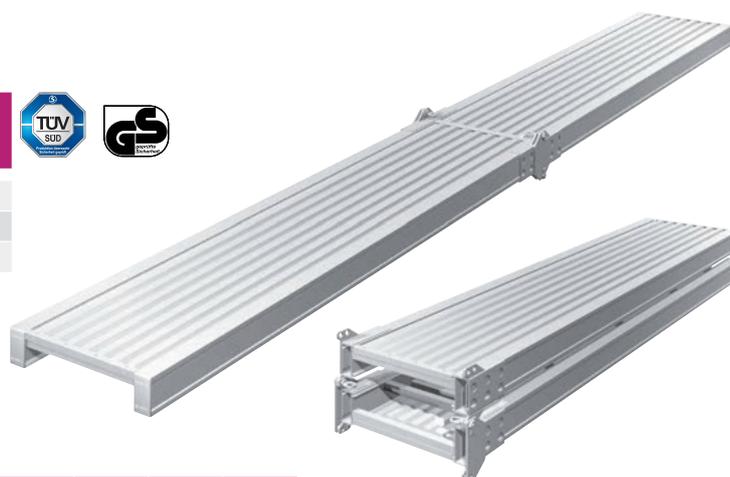


1331.000 clamp
see page 90.

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 [m] | Load [kN / m ²] | Width [m] | Height [m] | Weight [kg] | Ref. No. |
|------------|-----------------------------|-----------|------------|-------------|-----------------|
| 5.10 | 1.5 | 0.60 | 0.12 | 47.0 | 1349.510 |
| 7.30 | 1.5 | 0.60 | 0.12 | 61.0 | 1349.730 |
| 9.15 | 1.5 | 0.60 | 0.15 | 86.0 | 1349.915 |



Only available ex works.

Side protection for Alu bridging beam 600

| KIT-No. | Ref. No. | 6201 | 6202 | 6203 | 6204 | 6205 | 6206 | 6207 | 6208 | 6209 |
|-------------------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| | | 3.18 m | 4.12 m | 4.75 m | 5.20 m | 6.15 m | 7.10 m | 8.00 m | 9.10 m | 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 |



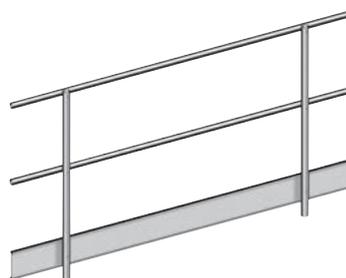
1330.000

Side protection for Alu bridging beam 600, folding

| KIT-No. | Ref. No. | 6210 | 6211 | 6212 |
|-------------------------|----------|--------|--------|--------|
| | | 5.10 m | 7.30 m | 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



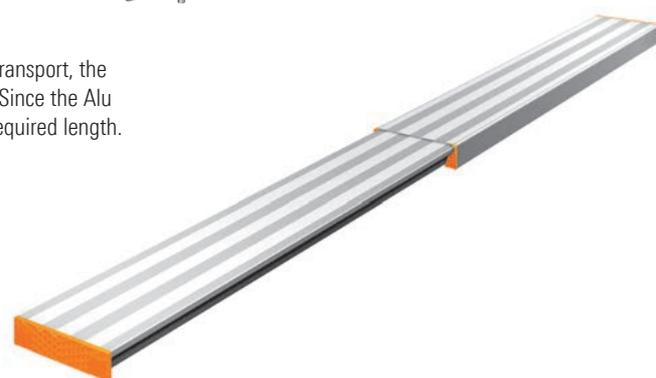
1332.200 / 1332.300

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.

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DOUBLE CONSTRUCTION

FOR UNI STANDARD

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

The example on this page shows the provision of working levels with enlarged deck surfaces by combining several individual towers.

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.

This special design conforms to the minimum requirements as per DIN EN 1004.

TECHNICAL DATA

- ▶ Working height: 8.35 m
- ▶ Area of working platform: 2.00 x 2.85 m
- ▶ Permissible live load: 1.5 kN / m² (scaffolding group 2)



Part list

| Tower model | Ref. No. | 1302 | 1304 | 1306 |
|---|----------|------|------|------|
| Guardrail 2.85 m | 1205.285 | 8 | 8 | 14 |
| Diagonal brace 3.35 m | 1208.285 | 4 | 8 | 12 |
| Basic tube 2.85 m | 1211.285 | 1 | 1 | 1 |
| End toe board 0.75 m | 1238.075 | 4 | 4 | 4 |
| Toe board 2.85 m with claw | 1239.285 | 2 | 2 | 2 |
| Deck 2.85 m | 1241.285 | 2 | 2 | 2 |
| Access deck 2.85 m | 1242.285 | 1 | 1 | 2 |
| Spring clip | 1250.000 | 16 | 24 | 32 |
| Castor 700 – 7 kN | 1259.201 | 4 | 4 | 4 |
| Ladder frame 75/4 – 1.00 m | 1297.004 | 4 | 4 | 4 |
| Ladder frame 75/8 – 2.00 m | 1297.008 | 4 | 8 | 12 |
| Base strut 2.85 m | 1324.285 | 1 | 1 | 1 |
| Spigot, adjustable | 1337.000 | 4 | 4 | 4 |
| Mobile beam with 2 spigots 3.20 m, adjustable | 1338.320 | 2 | 2 | 2 |
| Toe board 0.60 m | 1340.060 | 2 | 2 | 2 |
| Guardrail 0.58 m | 1342.058 | 2 | 2 | 2 |
| Bridging deck 2.85 m | 1343.285 | 1 | 1 | 1 |

Uni Standard in double construction

| Tower model | 1302 | 1304 | 1306 |
|----------------------------------|-------|-------|-------|
| Working height ¹ [m] | 4.40 | 6.40 | 8.40 |
| Tower height ¹ [m] | 3.64 | 5.64 | 7.64 |
| Standing height ¹ [m] | 2.40 | 4.40 | 6.40 |
| Weight [kg] | 358.2 | 409.8 | 504.6 |

¹ Castors not fully extended (see instructions for assembly and use)

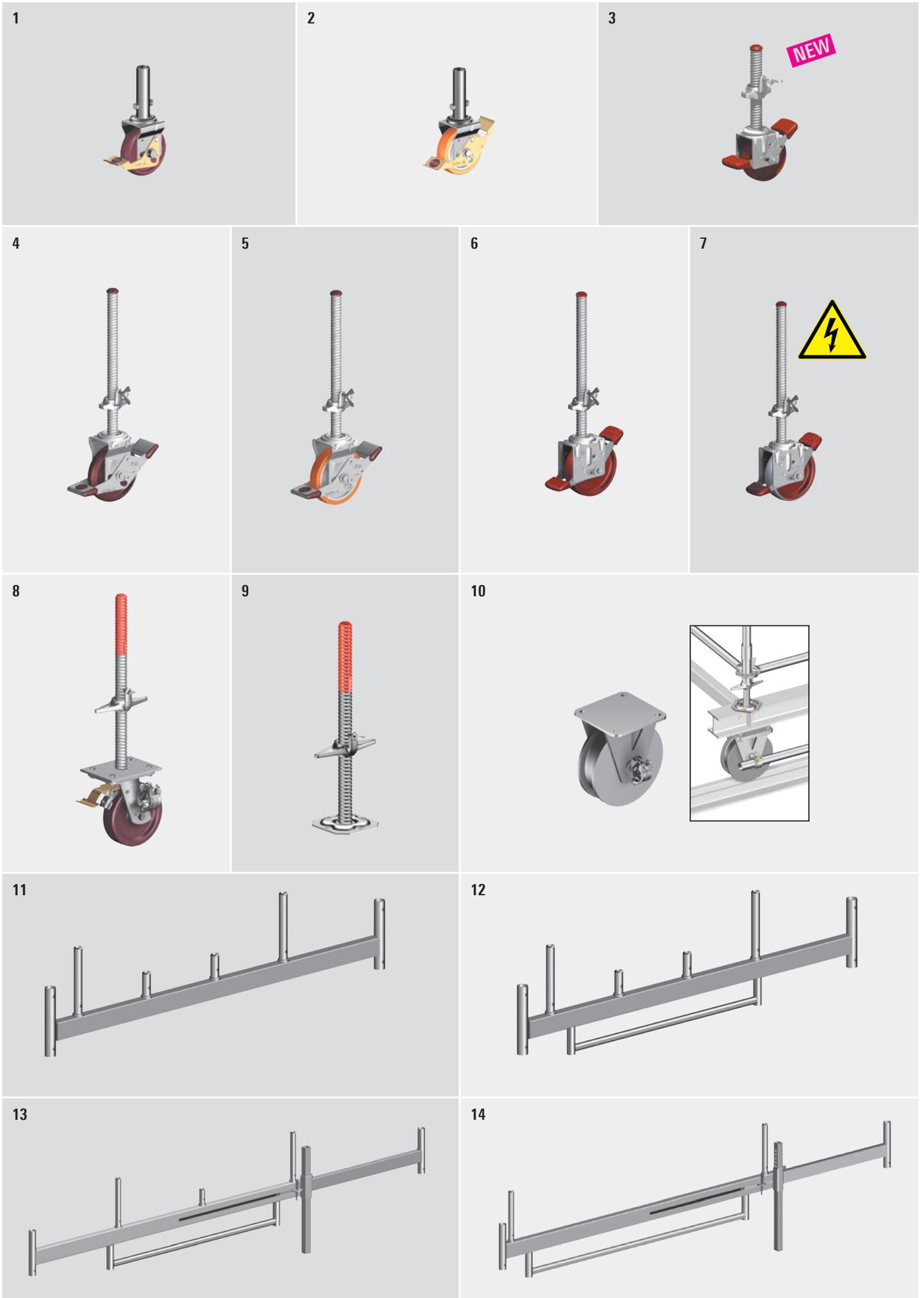
The number of ballast weights required is stated in the appropriate instructions for assembly and use.

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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 | |  | 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) |

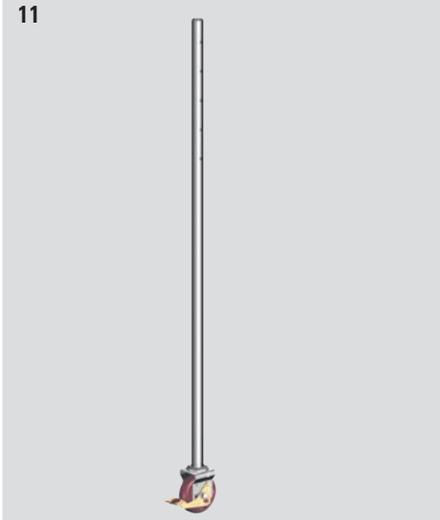
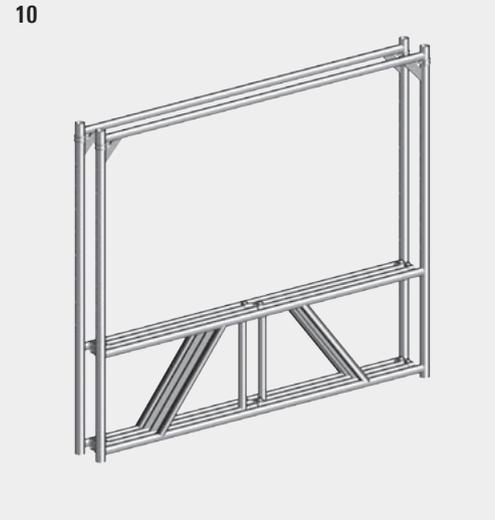
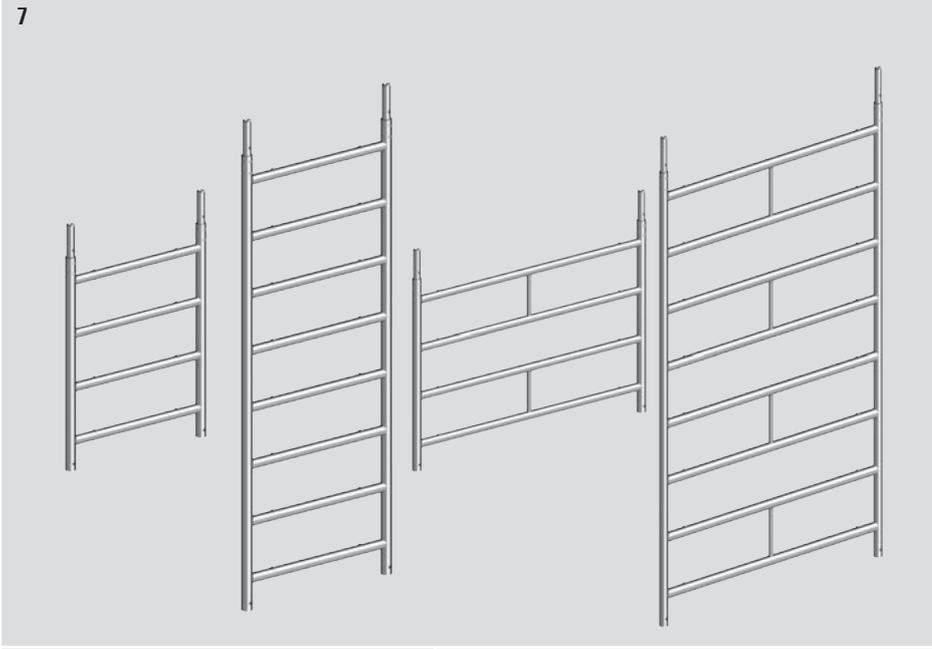
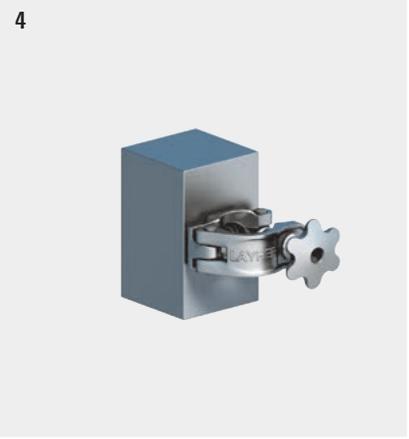
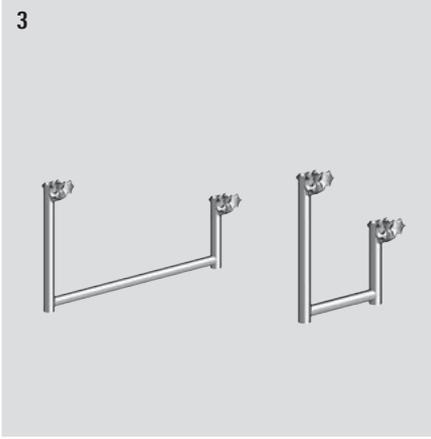
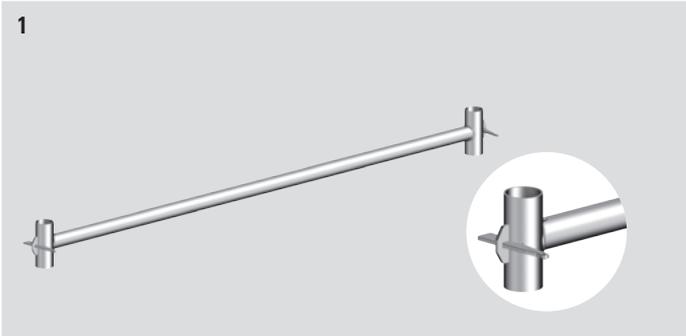
| | Max. perm. load [kg] – braked | Max. dyn. load [kg] – unbraked – at 4 km/h and over a distance of 2500 m without obstacles | Temperature resistance | Application |
|--|-------------------------------|--|--|--|
| | 700 | 350 | –40 °C to +90 °C | All firm ground! E.g.: Concrete / screed / cobbles / 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 <math>< 10^4 \Omega</math>. 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. | 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. | 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. | dia. 0.20 | 6.3 | 1260.201 | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | |
| 7 | Castor 1000, with electroconductive 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. | 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 | Double flange castor, 75 mm Secured by top plate, hole pattern 170 x 170 mm, dia. 18 mm, external dia. 285 mm, internal dia. 242 mm, without brake. Permissible load: 20 kN. | dia. 0.285 | 28.0 | 5216.075 | Application upon request | | | | | | |
| 11 | Mobile beam Steel rectangular tube, hot-dip-galvanized. For widening the base of towers. | 1.80 | 14.4 | 1214.180 | ▶ | ▶ | | | | | |
| 12 | Mobile beam with bar Steel rectangular tube, hot-dip-galvanized. For widening the base of towers. | 1.80 | 16.9 | 1323.180 | ▶ | ▶ | | ▶ | | | |
| 13 | Mobile beam with bar, adjustable Steel rectangular tube, hot-dip-galvanized. System component for base widening. | 2.30 – 3.20 | 42.5 | 1323.320 | | | ▶ | ▶ | ▶ | | |
| 14 | 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 85). | 2.30 – 3.20 | 42.6 | 1338.320 | ▶ | ▶ | ▶ | ▶ | ▶ | | |

WS = wrench size PU = packaging unit = available ex works = delivery time on request = only available in this packaging unit = included in tower kit = optional accessory for tower model

Components



| Pos. | Description | Dimensions L/H x W [m] | Weight approx. [kg] | Ref. No. | 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 83). | | 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 | | | | | | | |

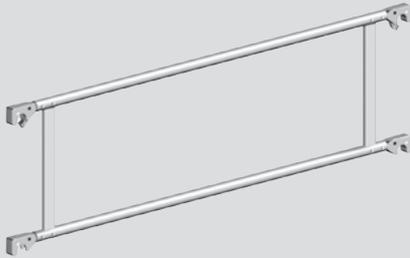
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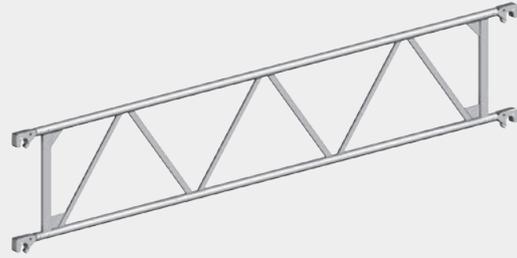
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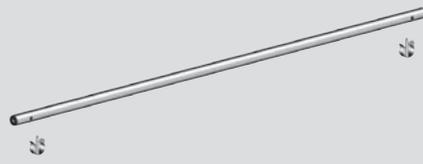
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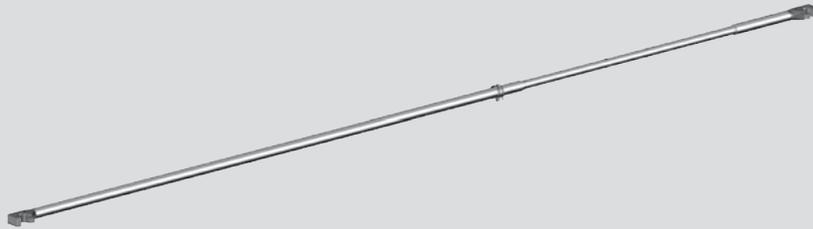
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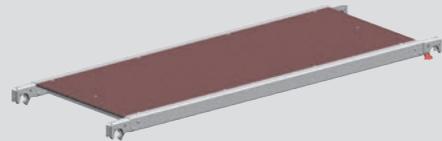
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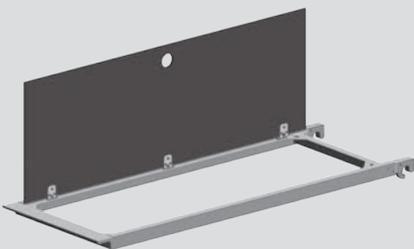
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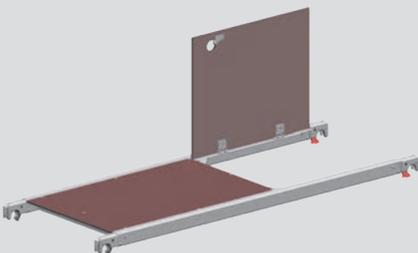
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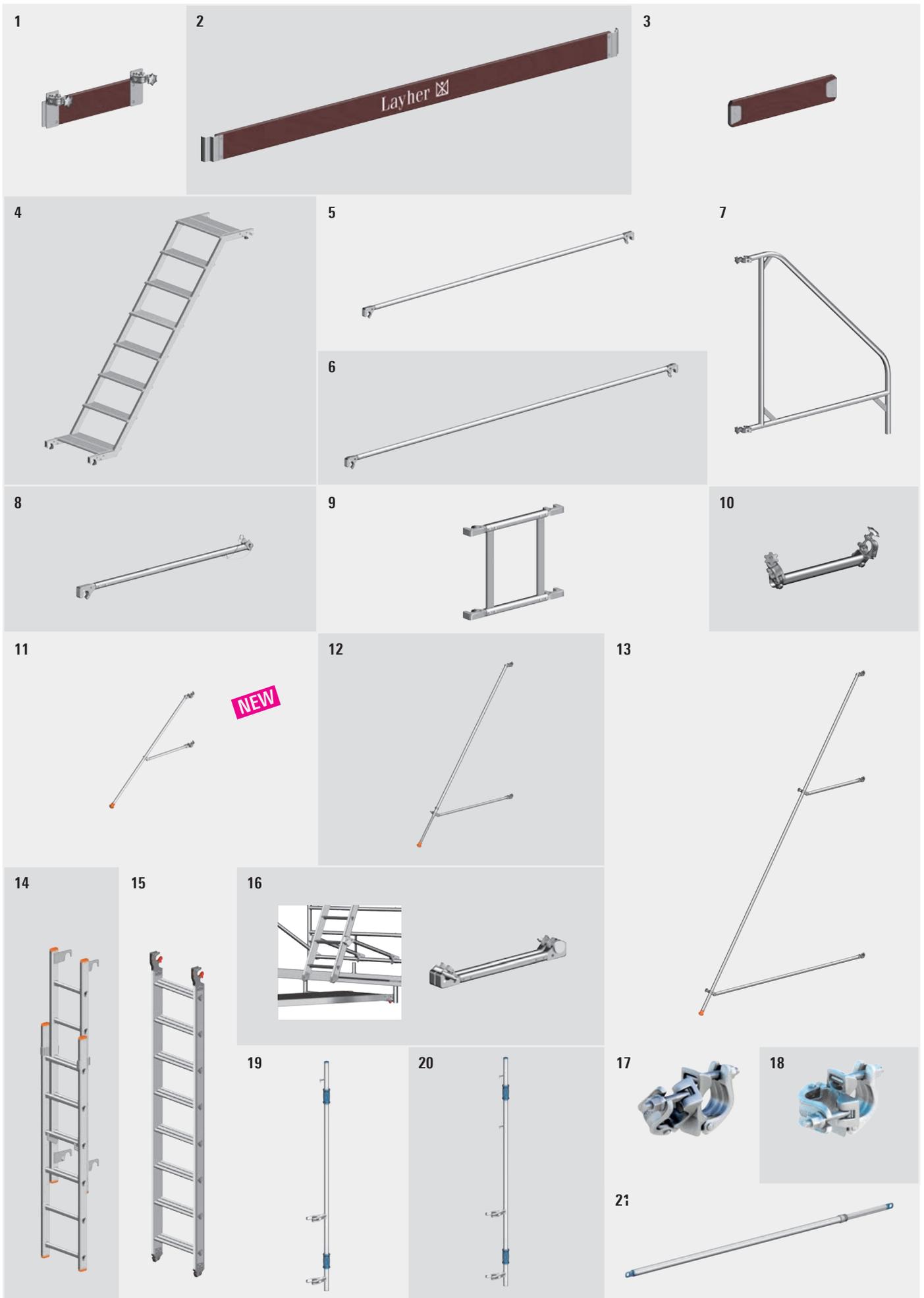
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17



| Pos. | Description | Dimensions L/H x W [m] | Weight approx. [kg] | Ref. No. | 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 | 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 | | | | ▶ | ▶ | | |
| 6 | Intermediate guardrail aluminium. | 1.90 | 1.9 | 1224.190 | | | | | | | ▶ |
| 7 | 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 | | | | ▶ | ▶ | | |
| 8 | Deck diagonal brace aluminium. | 2.50 | 4.2 | 1347.250 | 📦 | ▶ | ▶ | ▶ | | | ▶ |
| | | 3.35 | 5.0 | 1347.335 | | | | ▶ | ▶ | | |
| 9 | Horizontal diagonal brace aluminium. | 1.95 | 3.5 | 1209.180 | ▶ | ▶ | | | | | |
| | | 2.95 | 4.6 | 1209.285 | | | ▶ | | | | |
| 10 | Horizontal diagonal brace, adjustable aluminium. | 3.20 – 4.00 | 6.1 | 1318.000 | | | | ▶ | ▶ | ▶ | |
| 11 | Uni distance tube , aluminium tube, with hook and rubber foot. | 1.10 | 1.4 | 1275.110 | 📦 | ▶ | ▶ | ▶ | | | |
| | | 1.80 | 2.1 | 1275.180 | 📦 | | ▶ | | ▶ | ▶ | |
| 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 | Bridging deck for twin towers. Aluminium frame, with plywood deck with phenolic resin coating. | 2.85 x 0.66 | 19.8 | 1343.285 | 🕒 | | | ▶ | | | |
| 16 | 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 | | | | ▶ | ▶ | ▶ | |
| 17 | Intermediate deck , aluminium for console bracket structures. | 2.85 x 0.23 | 10.5 | 1339.285 | 📦 | | | ▶ | ▶ | | |

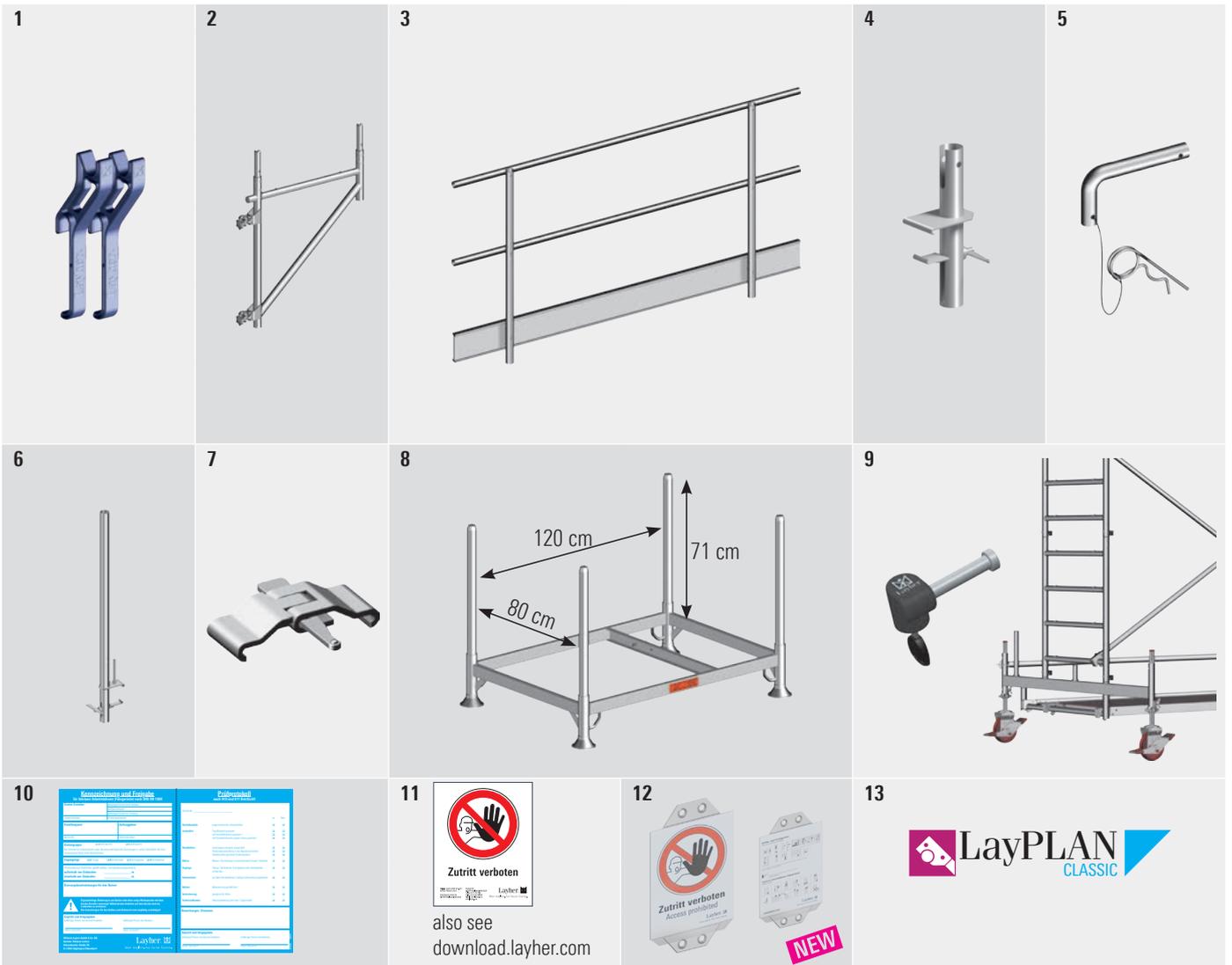


| Pos. | Description | Dimensions L/H x W [m] | Weight approx. [kg] | Ref. No. | | | | | | | | |
|------|---|------------------------------|------------------------|-----------------|----------|-----------|-------------|--------------|----------|-------------|-------|---|
| | | | | | Zifa | Uni Light | Uni Compact | Uni Standard | Uni Wide | Uni Comfort | Staro | |
| 1 | Toe board , wood for twin towers. For bridging deck. | 0.60 x 0.15 | 3.5 | 1340.060 | ⊕ | | | ▶ | | | | |
| 2 | Toe board with claw , wood | 1.80 x 0.15 | 3.9 | 1239.180 | | ▶ | ▶ | ▶ | | | ▶ | |
| | | 1.95 x 0.15 | 3.9 | 1239.195 | | | | | | | | ▶ |
| | | 2.85 x 0.15 | 6.5 | 1239.285 | | | | ▶ | ▶ | | | |
| 3 | End toe board , wood | 0.75 x 0.15 | 1.3 | 1238.075 | | ▶ | ▶ | | ▶ | | | |
| | | 1.44 x 0.15 | 3.2 | 1238.144 | | | | ▶ | | ▶ | ▶ | |
| | | 1.90 x 0.15 | 3.9 | 1238.190 | | | | | | | | ▶ |
| 4 | Landing stairway , aluminium | | 15.5 | 1212.180 | | | | | | | ▶ | |
| 5 | Stairway guardrail , aluminium for use for landing-type stairway Ref. No. 1212.180 | 3.07 | 3.8 | 1213.180 | | | | | | | ▶ | |
| 6 | Strut for outrigger , aluminium locks the outrigger Ref. No. 1216.000 | 3.75 | 5.4 | 1217.375 | 📦 | | | | | | ▶ | |
| 7 | Outrigger , aluminium for widening the bases of higher structures. Locking with horizontal diagonal brace Ref. No. 1209.285 | 1.50 | 8.2 | 1216.000 | | | | | | | ▶ | |
| 8 | Stairway guardrail , aluminium | 1.20 | 1.8 | 1327.120 | 📦 | | | | | | ▶ | |
| 9 | Guardrail , aluminium for twin towers and bridging | 0.58 x 0.50 | 4.7 | 1342.058 | ⊕ | | | | ▶ | | | |
| 10 | Rotation preventer , aluminium | 0.5 | 2.8 | 1248.261 | | ▶ | ▶ | ▶ | ▶ | ▶ | | |
| 11 | Stabilizer , aluminium | 1.80 | 5.2 | 1248.180 | ⊕ NEW | ▶ | ▶ | ▶ | ▶ | ▶ | | |
| 12 | Stabilizer, extendable , aluminium | 2.60 – 3.40 | 8.5 | 1248.260 | | ▶ | ▶ | ▶ | ▶ | ▶ | | |
| 13 | Stabilizer , aluminium | 5.00 | 14.9 | 1248.500 | | | | | ▶ | ▶ | | |
| 14 | Ladder for Staro rolling tower , aluminium. 6 double rungs | | 7.8 | 1246.006 | | | | | | | ▶ | |
| 15 | Suspended step ladder , aluminium 8 steps, with snap-on hook and castors at the ladder base | 2.20 | 6.8 | 1314.108 | 📦 | | | | ▶ | ▶ | | |
| 16 | Ladder support set for suspended ladder Ref. No. 1314.108 | | 2.0 | 1314.109 | 📦 | | | | ▶ | ▶ | | |
| 17 | Special tower coupler, swiveling steel, galvanized | SW 19 | 1.4 | 4702.019 | | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | |
| | | SW 22 | 1.4 | 4702.022 | | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | |
| 18 | Special tower coupler, rigid , steel, galvanized. | SW 19 | 1.3 | 4700.019 | | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | |
| | | SW 22 | 1.3 | 4700.022 | | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | |
| 19 | Advance guardrail post , aluminium for one advance guardrail (1.00 m height); rapid attachment of the guardrails with tilting pins | 2.26 | 4.2 | 4031.001 | 📦 | ▶ | ▶ | ▶ | ▶ | ▶ | | |
| 20 | Advance guardrail post , aluminium for two advance guardrails (0.50 m and 1.00 m height); rapid attachment of the guardrails with tilting pins | 2.26 | 4.3 | 4031.002 | 📦 | ▶ | ▶ | ▶ | ▶ | ▶ | | |
| 21 | Advance guardrail , 1.57 / 2.07 m Advance guardrail , 2.57 / 3.07 m aluminium | 1.65 | 3.2 | 4031.207 | 📦 | ▶ | ▶ | ▶ | | | | |
| | | 2.15 | 4.0 | 4031.307 | 📦 | | | | ▶ | ▶ | | |

WS = wrench size PU = packaging unit 📦 = available ex works ⊕ = delivery time on request 📦 = only available in this packaging unit ▶ = included in tower kit ▶ = optional accessory for tower model

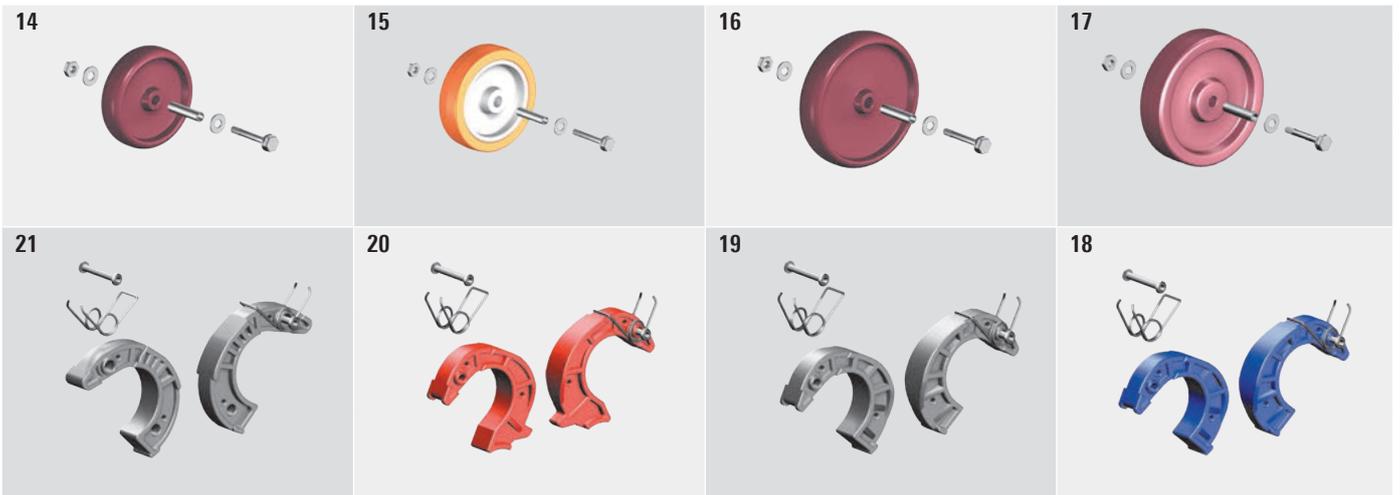
Components

Components



Spare parts

Spare parts



| Pos. | Description | Dimensions L/H x W [m] | Weight approx. [kg] | Ref. No. | Zifa | Uni Light | Uni Compact | Uni Standard | Uni Wide | Uni Comfort | Staro | Alu br. beam 600 |
|------|--|---|------------------------|-----------------|------|-----------|-------------|--------------|----------|-------------|-------|------------------|
| | | | | | | | | | | | | |
| 1 | Uni assembly hook , pair. | | 1.2 | 1300.001 | ▶ | ▶ | ▶ | ▶ | ▶ | | | |
| 2 | Console bracket , aluminium for widening of the work platform on one or two sides. | 0.75 x 0.90 | 5.4 | 1341.075 | | | | ▶ | ▶ | | | |
| 3 | 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 | | | | | | | | ▶ |
| 4 | Guardrail fixture , aluminium for fastening the double guardrail to the Alu bridging beam for Ref. No. 1332.xxx. | 0.50 | 0.9 | 1330.000 | | | | | | | | ▶ |
| 5 | Guardrail locking pin , steel for securing the double guardrail with the guardrail fixture for Ref. No. 1330.xxx. | | 0.1 | 1333.000 | | | | | | | | ▶ |
| 6 | 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 | | | | | | | | ▶ |
| 7 | Clamp , steel for connecting the Alu bridging beams Ref. No.1348.xxx. | | 0.4 | 1331.000 | | | | | | | | ▶ |
| 8 | Tube pallet 125 steel, hot-dip galvanized, length of pallet posts: 0,86 m, load 1500 kg. | 1.37 x 0.97 | 32.0 | 5105.125 | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | |
| 9 | 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 | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ |
| | | | | | | | | | | | | |
| 10 | Identification sign Block à 50 pcs. | | 0.5 | 6344.400 | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | |
| 11 | Prohibition sign | Download at http://downloads.layher.com | | | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | |
| 12 | See-through pocket for Ref. No. 6344.200 and 6344.202, 10 pcs. | | 0.35 | 6344.010 | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | |
| 13 | LayPLAN Rolling Tower Configurator as CD-ROM. | | | 6345.700 | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | ▶ | |

Spare parts

| Pos. | Description | Dimensions L/H x W [m] | Weight approx. [kg] | Ref. Nr. |
|------|---|------------------------------|------------------------|-----------------|
| 14 | Wheel including axle for Ref. No. 1308.150 | dia. 0.15 | 0.6 | 6491.511 |
| 15 | Wheel including axle for Ref. No. 1309.150 | dia. 0.15 | 0.6 | 6491.501 |
| 16 | Wheel including axle for Ref. No. 1259.200 / 1259.201 | dia. 0.20 | 0.9 | 6491.512 |
| 17 | Wheel including axle for Ref. No. 1260.200 | dia. 0.20 | 1.1 | 6491.513 |
| 18 | Finger 42 mm pair, blue complete with springs and rivets. | | 0.2 | 6491.416 |
| 19 | Finger 42 mm pair, grey complete with springs and rivets. | | 0.2 | 6491.417 |
| 20 | Finger 42 mm pair, red complete with springs and rivets. | | 0.2 | 6491.418 |
| 21 | Finger 48 mm pair, grey complete with springs and rivets. | | 0.4 | 6491.420 |

WS = wrench size PU = packaging unit = available ex works = delivery time on request = only available in this packaging unit ▶ = included in tower kit ▶ = optional accessory for tower model

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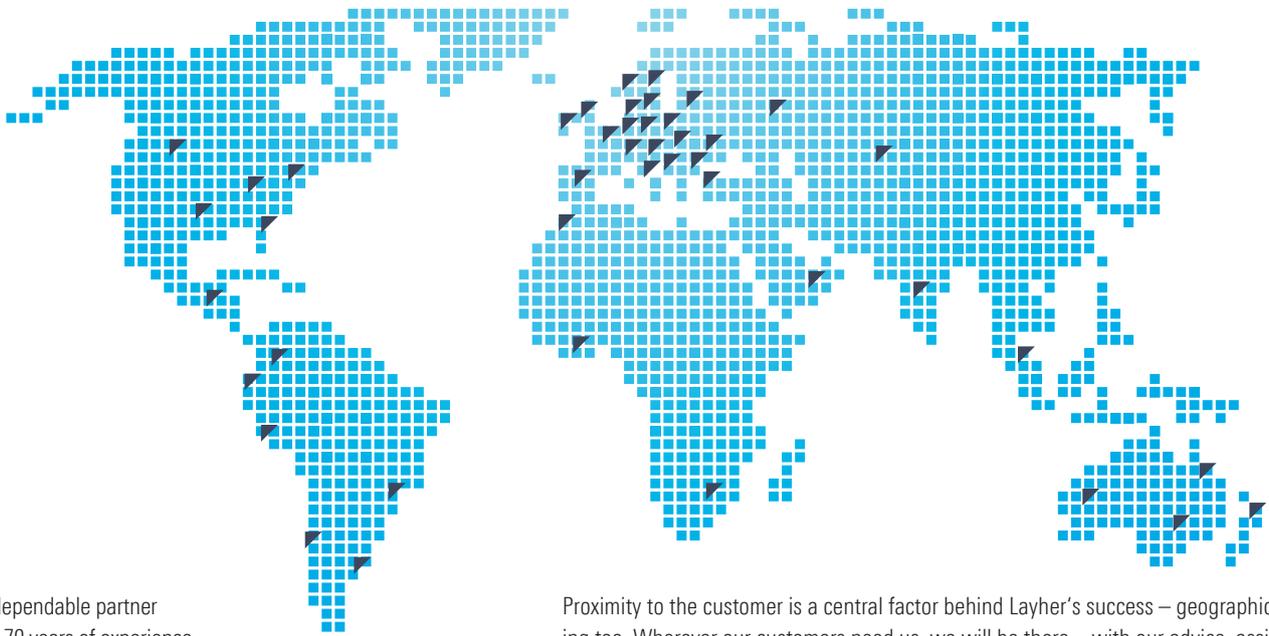
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