

LAYHER LADDERS & STAIRS LAYHER ROLLING TOWERS CATALOGUE

ALWAYS SAFE ON THE WAY UP



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



QUALITY MADE BY LAYHER



Headquarters in Eibensbach



Plant 2 in Gueglingen

HERE IS THE BEATING HEART OF LAYHER.

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

MORE POSSIBILITIES. THE SCAFFOLDING SYSTEM.

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



MORE 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.



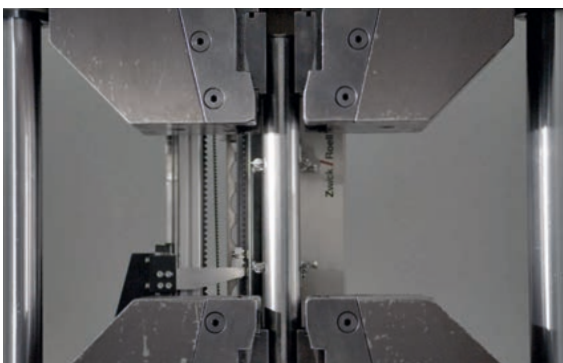
MORE SPEED

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 more than 30 countries all over the world. With a tight network of national service centres. In Germany, we are with 31 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.

ALWAYS SAFE ON THE WAY UP THE LAYHER SAFETY CONCEPT



With your decision for the Layher brand, you are buying **more** than a ladder, a stair or a rolling tower:

- ▶ 50 years of application know-how.
- ▶ A quality standard that's valid all over the world.
- ▶ The safety that comes from technical perfection and long life.
- ▶ The readiness of the people at Layher to be available at all times for all questions and requirements.

For top performance at great heights, you need absolute safety.

- ▶ From a high degree of automated production processes with stringent quality control ...
- ▶ From the competence of the market leader in the manufacture of steel and aluminium scaffolding ...
- ▶ From the availability of all parts and the close-knit network of well-stocked branches and delivery warehouses ...
- ▶ From the wide experience of its staff when it comes to ladders, stairs and rolling towers ...

... Layher has maintained the highest standards for safety and quality for decades.

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.

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

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





Layher sets standards. All rolling towers and assembly scaffolding conform to DIN EN 1004. Inspections by independent institutions such as TÜV and the professional trade associations with the GS symbol are a guarantee of this.

Furthermore, Layher is a member of VDL – the association of German ladder and rolling tower manufacturers – of which the guidelines and requirements are even more stringent than the standards and safety requirements – a particular characteristic, and proof of top-quality German production.

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.

Please request the specific instructions for assembly and use when ordering.

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LAYHER LADDERS AND STAIRS

A LADDER IS LIKE A GOOD FRIEND. ALWAYS THERE WHEN NEEDED.

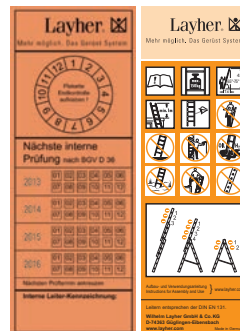
The ladder – a quality product from Layher. That makes the Layher ladder to the best:



The hinges are play-free, plastic-coated **steel hinges** with non-detachable bolting. The impact-resistant polyamide casing ensures a precise fit to the stile section. The rounded edges of the hinges prevent damages or injuries. The hinges of the *TOPIC* 1043 also work as supports for the top steps and thus form a small rivet-free platform



The innovative stile section is one of the most important quality characteristics of a ladder. No known manufacturer provides a flaring connection to the rung, which are pressed into both sides of the stile. Thanks to this **4-fold pressing** of triangular rungs and steps, forces are transferred ideally to achieve highest load capacity by low weight. The triangular rungs and steps are made from a high strength aluminum alloy. The grooved rung sections and the innovative shape of the rungs provide a very sure footing.



On the TOPIC label, you can find a shortened user manual for the ladder and the examination label. Layher recommends an annual examination. Also you can find information about the maximum load, length, weight and the highest useable rung on the labels. You can find a comprehensive user manual and a ladder examination book for download on www.layher.com.



Prevention of over-spreading is made by polyester straps, which can transfer forces up to 3 kN.



The transport clips safe the ladder in folded status. Additionally the ease up the handling. The stiffener support the lower stile end. Thanks to that the required values of the DIN EN 131 can be over-fulfilled.



The ladder shoes are extremely non-slip and stable, because of their Shore-hardness of 75°.

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**



For more safety, the **TOPIC 1054** single ladder is also available with cross-piece.

Cross-piece width: **890 mm** with 6 – 18 rungs
Ref. No. 6492.080 📦

Cross-piece width: **1130 mm** with 20 – 24 rungs
Ref. No. 6492.081 📦



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.



Can be additionally equipped with wheels, shelf rollers or suspension hooks.

Clear width: **390 mm**
Outer width: **450 mm**
Step spacing: **250 mm**
Step width: **80 mm**
Stile height: **76 mm**

For more safety, the **TOPIC 1042** single step ladder is also available with cross-piece.

Cross-piece width: **890 mm**, Ref. No. 6492.080 📦



The single step ladder **TOPIC 1042** can be equipped with additional accessories (see page 20) for comfortable use as a shelf ladder.



TOPIC 1054 without cross-piece

Length [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
1.85	6	0.80	64	4.0	1054.006	
2.40	8	1.35	64	5.0	1054.008	
2.95	10	1.85	64	6.0	1054.010	
3.50	12	2.40	64	6.5	1054.012	
4.05	14	2.90	64	8.0	1054.014	
4.60	16	3.40	64	9.5	1054.016	
5.20	18	3.95	64	10.5	1054.018	
5.75	20	4.50	76	12.5	1054.020	
6.30	22	5.00	76	13.5	1054.022	
6.85	24	5.55	84	15.0	1054.024	

TOPIC 1042 without cross-piece

Length [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
1.75	6	0.70	300	5.0	1042.006	📦
2.00	7	0.95	300	5.6	1042.007	📦
2.25	8	1.20	300	6.2	1042.008	📦
2.50	9	1.40	300	7.0	1042.009	📦
2.75	10	1.65	300	7.6	1042.010	📦
3.25	12	2.10	300	9.4	1042.012	📦
3.75	14	2.60	300	10.4	1042.014	📦
4.25	16	3.05	225	11.3	1042.016	📦

TOPIC 1054 with cross-piece

Length [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
1.85	6	0.80	64	4.7	1054.106	🕒
2.40	8	1.35	64	5.7	1054.108	🕒
2.95	10	1.85	64	6.7	1054.110	🕒
3.50	12	2.40	64	7.2	1054.112	🕒
4.05	14	2.90	64	8.7	1054.114	🕒
4.60	16	3.40	64	10.2	1054.116	🕒
5.20	18	3.95	64	11.2	1054.118	🕒
5.75	20	4.50	76	13.2	1054.120	🕒
6.30	22	5.00	76	14.2	1054.122	🕒
6.85	24	5.55	84	15.7	1054.124	🕒 347,60

TOPIC 1042 with cross-piece

Length [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
1.75	6	0.70	300	5.7	1042.106	🕒
2.00	7	0.95	300	6.3	1042.107	🕒
2.25	8	1.20	300	6.9	1042.108	🕒
2.50	9	1.40	300	7.7	1042.109	🕒
2.75	10	1.65	300	8.3	1042.110	🕒
3.25	12	2.10	300	10.1	1042.112	🕒
3.75	14	2.60	300	11.1	1042.114	🕒
4.25	16	3.05	225	12.0	1042.116	🕒



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**



A matching holder is available for optimum attachment of truck ladder 1060 to the vehicle.

Ref. No. 0723.433



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

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 20



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

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]	Weight approx. [kg]	Ref. No.
3.00	10	1.85	85	9.6	1036.010
4.00	14	2.90	90	12.4	1036.014
5.00	17	3.70	95	16.0	1036.017
6.00	21	4.75	100	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

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. Top and bottom sections can be used separately.



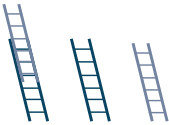
Clear width: **300/377 mm**
Outer width: **440 mm**
Rung spacing: **280 mm**

For more safety, the TOPIC 1035 extension ladder is also available with cross-piece.

Cross-piece width: **890 mm** with 6 – 10 rungs, Ref. No. 6492.080 🇩🇪
Cross-piece width: **1130 mm** with 12 – 14 rungs, Ref. No. 6492.081 🇩🇪
Cross-piece width: **1370 mm** with 16 – 18 rungs, Ref. No. 6492.082 🇩🇪



Assembly variants

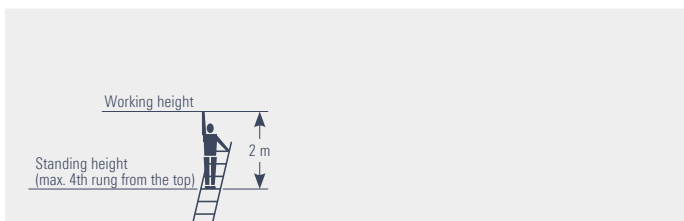


TOPIC 1035 without cross-piece

Length extend. [m]	Length contr. [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
3.05	1.85	2 x 6	2.05	64	7.6	1035.006	🇩🇪
4.15	2.40	2 x 8	3.15	64	9.5	1035.008	
5.25	2.95	2 x 10	4.30	76	11.6	1035.010	
6.10	3.50	2 x 12	5.15	76	15.4	1035.012	
7.20	4.10	2 x 14	6.25	84	19.2	1035.014	
8.35	4.65	2 x 16	7.35	100	21.6	1035.016	
9.45	5.20	2 x 18	8.50	100v	25.8	1035.018	

TOPIC 1035 with cross-piece

Length extend. [m]	Length contr. [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
3.05	1.85	2 x 6	2.05	64	8.3	1035.106	🇩🇪
4.15	2.40	2 x 8	3.15	64	10.2	1035.108	🇩🇪
5.25	2.95	2 x 10	4.30	76	12.3	1035.110	🇩🇪
6.10	3.50	2 x 12	5.15	76	16.2	1035.112	🇩🇪
7.20	4.10	2 x 14	6.25	84	20.0	1035.114	🇩🇪
8.35	4.65	2 x 16	7.35	100	22.6	1035.116	🇩🇪
9.45	5.20	2 x 18	8.50	100v	26.8	1035.118	🇩🇪



Extension ladder with top rollers TOPIC 1035

Two-part extension ladder for greater heights, with short transport and storage dimensions. With top rollers for easy extension over the façade. Manual length adjustment rung by rung using engaging hook, secured against lifting out and sliding out of position on transport and use. Top and bottom sections can be used separately.

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



For more safety, the TOPIC 1035 extension ladder is also available with cross-piece.

Cross-piece width: **890 mm** with 6 – 10 rungs, Ref. No. 6492.080 🇩🇪
Cross-piece width: **1130 mm** with 12 – 14 rungs, Ref. No. 6492.081 🇩🇪
Cross-piece width: **1370 mm** with 16 – 18 rungs, Ref. No. 6492.082 🇩🇪



Assembly variants



TOPIC 1035 with top rollers, without cross-piece

Length extend. [m]	Length contr. [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
3.05	1.85	2 x 6	2.05	64	8.1	1035.206	🇩🇪
4.15	2.40	2 x 8	3.15	64	10.0	1035.208	🇩🇪
5.25	2.95	2 x 10	4.30	76	13.0	1035.210	🇩🇪
6.10	3.50	2 x 12	5.15	76	15.1	1035.212	🇩🇪
7.20	4.10	2 x 14	6.25	84	18.5	1035.214	🇩🇪
8.35	4.65	2 x 16	7.35	100	22.2	1035.216	🇩🇪
9.45	5.20	2 x 18	8.50	100v	24.1	1035.218	🇩🇪

TOPIC 1035 with top rollers and cross-piece

Length extend. [m]	Length contr. [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
3.05	1.85	2 x 6	2.05	64	11.1	1035.306	🇩🇪
4.15	2.40	2 x 8	3.15	64	13.0	1035.308	🇩🇪
5.25	2.95	2 x 10	4.30	76	16.0	1035.310	🇩🇪
6.10	3.50	2 x 12	5.15	76	18.1	1035.312	🇩🇪
7.20	4.10	2 x 14	6.25	84	21.5	1035.314	🇩🇪
8.35	4.65	2 x 16	7.35	100	25.2	1035.316	🇩🇪
9.45	5.20	2 x 18	8.50	100v	27.1	1035.318	🇩🇪



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.



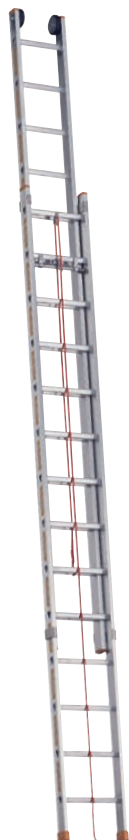
Clear width: **300/377 mm**

Outer width: **440 mm**

Rung spacing: **280 mm**

For more safety, the **TOPIC 1037 rope extension ladder is also available with cross-piece.**

Cross-piece width: **1370 mm**, Ref. No. 6492.082 📦



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.



Rung spacing: **280 mm**

TOPIC 1039.5xx

As for model 1039, but available with chain for additional protection against over-spreading. Delivery time and price on request.



For more safety, the **TOPIC 1039 double rung ladder is also available with cross-piece on both sides.**

Cross-piece width: **890 mm** with 4 – 8 rungs

Ref. No. 6492.080 📦

Cross-piece width: **1130 mm** with 9 – 12 rungs

Ref. No. 6492.081 📦

Cross-piece width: **1370 mm** with 14 – 18 rungs

Ref. No. 6492.082 📦



TOPIC 1037 without cross-piece

Length extend. [m]	Length contr. [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
7.20	4.10	2 x 14	6.15	84	20.6	1037.014	
8.30	4.65	2 x 16	7.50	100	23.2	1037.016	
9.40	5.20	2 x 18	8.15	100	28.0	1037.018	
10.25	5.75	2 x 20	9.30	100	31.4	1037.020	
11.40	6.30	2 x 22	10.40	100v	34.6	1037.022	
12.50	6.90	2 x 24	11.50	100v	38.2	1037.024	

TOPIC 1037 with cross-piece

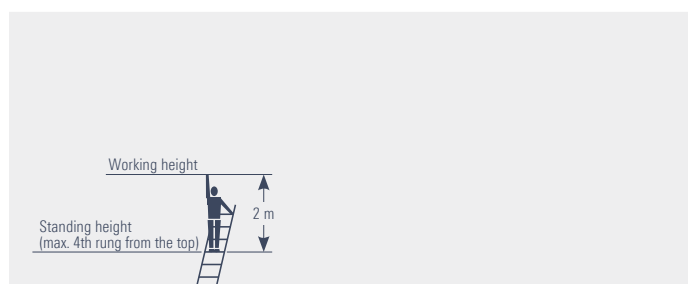
Length extend. [m]	Length contr. [m]	Number of rungs	Standing height [m]	Stile height [mm]	Weight approx. [kg]	Ref. No.	
7.20	4.10	2 x 14	6.15	84	21.6	1037.114	☺
8.30	4.65	2 x 16	7.50	100	24.2	1037.116	☺
9.40	5.20	2 x 18	8.15	100	29.0	1037.118	☺
10.25	5.75	2 x 20	9.30	100	32.4	1037.120	☺
11.40	6.30	2 x 22	10.40	100v	35.6	1037.122	☺
12.50	6.90	2 x 24	11.50	100v	39.2	1037.124	☺

TOPIC 1039 without cross-piece

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	

TOPIC 1039 with cross-piece on both sides

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	6.7	1039.104	☺
1.55	0.80	5	64	0.51	7.5	1039.105	☺
1.85	1.05	6	64	0.54	8.7	1039.106	☺
2.10	1.30	7	64	0.57	9.9	1039.107	☺
2.40	1.60	8	64	0.60	11.1	1039.108	☺
2.70	1.85	9	64	0.62	12.7	1039.109	☺
2.95	2.10	10	64	0.66	13.9	1039.110	☺
3.50	2.65	12	64	0.72	16.7	1039.112	☺
4.10	3.15	14	64	0.78	19.5	1039.114	☺
4.65	3.70	16	76	0.84	25.7	1039.116	☺
5.20	4.20	18	76	0.90	30.9	1039.118	☺



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.

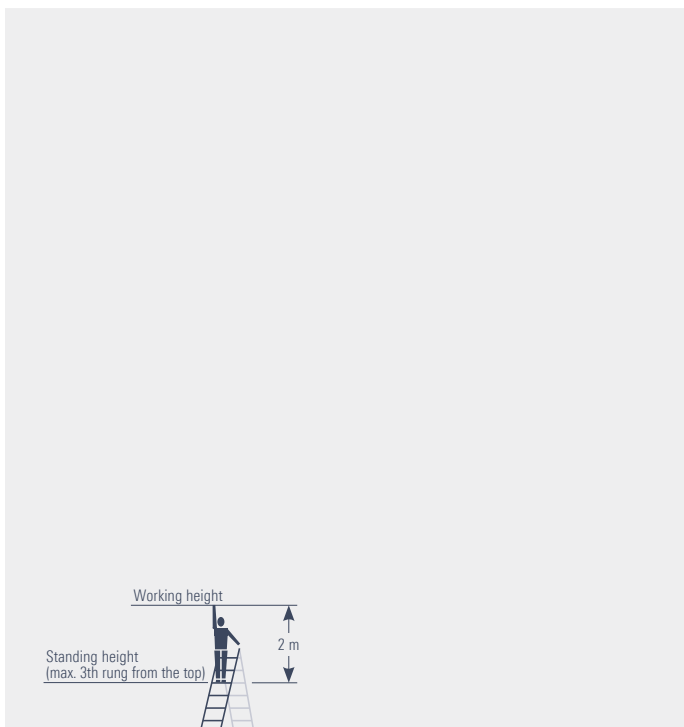
Rung spacing: **280 mm**



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



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.

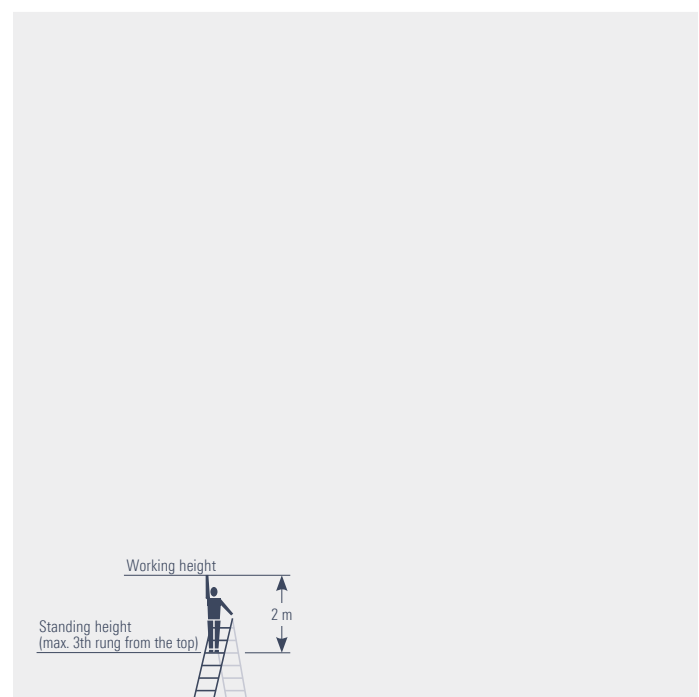
Sturdy and torsion-stiff design. Extra-strong steel hinges, tear-proof polyester straps to prevent over-spreading.

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 🚚



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**

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 20



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	53,10
1.25	0.55	4	65	0.50	7.4	1038.204	66,60
1.50	0.80	5	65	0.53	8.9	1038.205	83,20
1.85	1.05	6	65	0.56	10.4	1038.206	99,40
2.10	1.30	7	65	0.59	12.5	1038.207	116,50
2.35	1.60	8	65	0.62	14.3	1038.208	133,10
2.65	1.85	9	65	0.65	15.7	1038.209	150,70
2.95	2.10	10	65	0.68	17.5	1038.210	166,50
3.50	2.65	12	70	0.74	25.5	1038.212	248,90
4.10	3.15	14	70	0.80	30.0	1038.214	320,20

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	96,80
1.50	0.80	5	65	0.53	9.5	1059.205	109,30
1.85	1.05	6	65	0.56	11.0	1059.206	131,10
2.10	1.30	7	65	0.59	13.1	1059.207	152,90
2.35	1.60	8	65	0.62	14.9	1059.208	174,90
2.65	1.85	9	65	0.65	16.3	1059.209	196,60
2.95	2.10	10	65	0.68	18.1	1059.210	218,40
3.50	2.65	12	70	0.74	26.1	1059.212	283,40
4.10	3.15	14	70	0.80	30.6	1059.214	358,80

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.

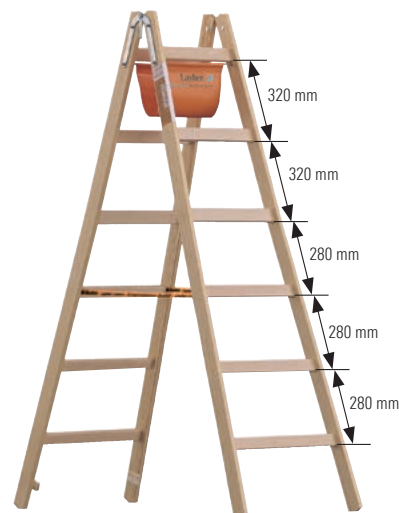
The configuration is the same as the wooden double ladder 1038/1059.2. Rung spacing: **280 and 320 mm**

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

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 with wide rungs 1059.3

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 ladders

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 1043.4xx

As for Model 1043, however possible with ladder-rollers. Delivery time and price on request.



TOPIC 1043

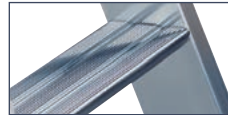
Length [m]	Standing height [m]	Number of rungs	Max. load [kg]	Outer width at bottom [m]	Weight approx. [kg]	Ref. No.
0.75	0.25	3	300	0.46	5.6	1043.003
1.00	0.50	4	300	0.48	6.8	1043.004
1.25	0.70	5	300	0.51	8.4	1043.005
1.50	0.95	6	250	0.53	9.8	1043.006
1.75	1.20	7	250	0.57	11.4	1043.007
2.00	1.40	8	250	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

Double step ladder with access on one side TOPIC 1044



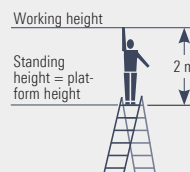
A safe stance at all times from the platform, extended stiles and knee bar shaped as a storage tray. The platform folds up for transport. Tear-proof polyester straps to prevent over-spreading.

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



TOPIC 1044

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	1044.003
1.70	0.95	4	76	0.48	7.0	1044.004
1.95	1.20	5	76	0.51	8.0	1044.005
2.20	1.40	6	76	0.53	9.2	1044.006
2.45	1.65	7	76	0.57	10.4	1044.007
2.70	1.90	8	76	0.60	11.6	1044.008
2.95	2.10	9	76	0.64	13.2	1044.009
3.20	2.35	10	76	0.66	14.0	1044.010
3.70	2.80	12	76	0.72	16.4	1044.012



Wallpaperer's trestle 1045

The sturdy structure for the professional user.
Sturdy, galvanized steel hinges.

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	55,60
0.98	3	0.82	0.61	5.2	1045.203	62,10

Work trestle TOPIC 1047

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

Step spacing: **250 mm**

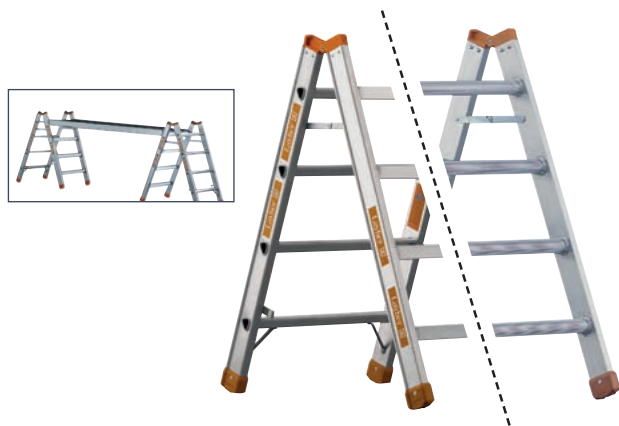
Step width: **80 mm**

Width when folded out: **950 mm**

TOPIC 1047.004 (viewed from left) with channel sections on one side for suspending scaffolding decks (0.61 m wide) as work platform.

TOPIC 1047.704 (viewed from right)

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



TOPIC 1047

Length [m]	Standing height [m]	Number of rungs	Width when unfolded [m]	Outer width at bottom [m]	Weight approx. [kg]	Ref. No.	
1.10	0.98	4	76	0.63	8.8	1047.004	
1.10	0.98	4	76	0.75	9.6	1047.704	📦

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	8,5	1055.004	

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.

The platform has a practical grip hole for easy transport.



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



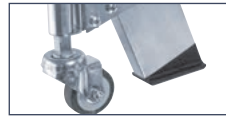
up to 200 kg



Alu Heavy-Duty Step 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 📦

Alu safety step 1062/1063



With the stable safety step made of aluminium, you have always a safe basement under your feet. Thanks to the extra-wide steps, alternatively with alu chequer plate (1062) or with plastic pads (1063), you always stand optimally.

After work with it, only a few hand movements are necessary to fold the safety step extremely space-saving. The ingenious construction opens the possibility, that it only needs 8 cm packaging height (for version without safety bar). Thus, it fits in smallest niches in cars, households or workshops.



Step spacing: **230 mm**
Step width: **360 mm**
Step depth: **230 mm**

Alu safety step 1062 with alu chequer plate

Length [m]	Standing height [m]	Number of rungs	Safety bow	Weight approx. [kg]	Ref. No.
0,55	0,46	2	Nein	4,5	1062.002 📦
0,79	0,67	3	Nein	6,3	1062.003 📦
1,12	0,69	3	Ja	8,4	1062.103 📦
1,43	0,92	4	Ja	10,5	1062.104 📦
1,74	1,15	5	Ja	13,2	1062.105 📦

Alu safety step 1063 with plastic pads

Length [m]	Standing height [m]	Number of rungs	Safety bow	Weight approx. [kg]	Ref. No.
0,55	0,46	2	Nein	4,7	1063.002 📦
0,79	0,67	3	Nein	6,6	1063.003 📦
1,12	0,69	3	Ja	8,7	1063.103 📦
1,43	0,92	4	Ja	10,9	1063.104 📦
1,74	1,15	5	Ja	13,7	1063.105 📦

Castors

Weight approx. [kg]	Ref. No.
2,1	1016.062 📦

For alu safety step (available from 3 to 5 steps with safety bow). Brakeable by step on. 4 rubber-coated, ball-bearing castors with fixing lug.

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

Car boot ladder TOPIC 1057

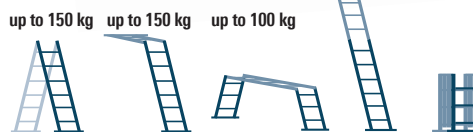
For very low transport and storage dimensions. Very versatile in use. As double ladder, single ladder, single ladder with wall clearance and as working platform (only with deck). Safety joints automatically lock but are released with slight pressure.

Standing height as working platform: **0.89 m**
The **1020.016** cannot be used as a working platform.

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



Assembly variants



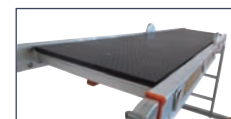
TOPIC 1057

max. length [m]	Standing height single ladder [m]	Standing height single ladder with wall clearance [m]	Standing height single ladder [m]	Numbers 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:

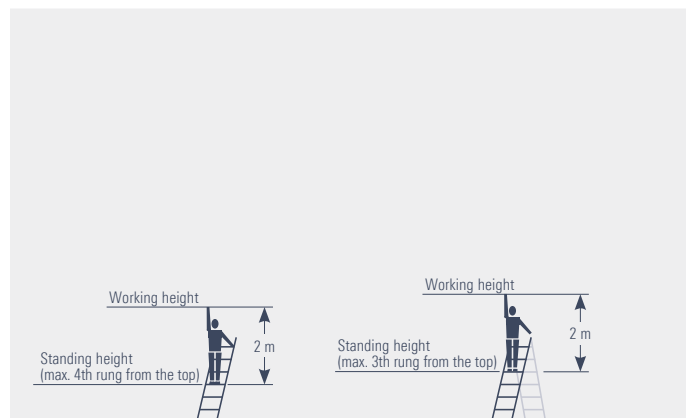
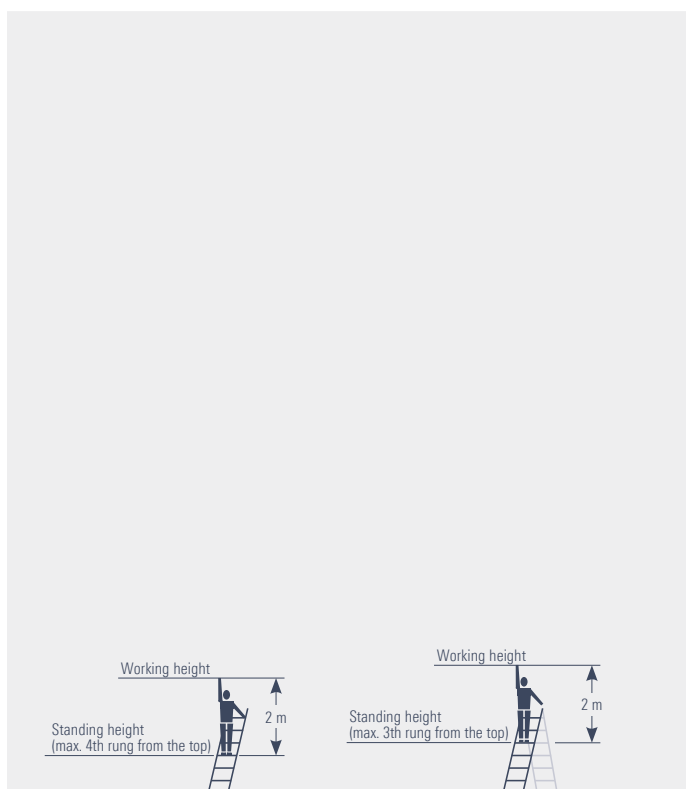
1057.112 0.91 x 0.63 x 0.29 m

1057.116 1.20 x 0.89 x 0.29 m



Platform for 1057.112

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

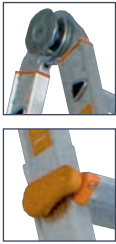


Telescopic ladder **TOPIC 1058**

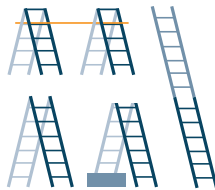
Very versatile in use: as double ladder with variable height adjustment on one side. As a classic single ladder. And as two separate work trestles.

Manual length adjustment rung by rung. Sturdy pin joints secure the ladder in the appropriate setting for use.

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



Assembly variants



TOPIC 1058

max. length [m]	Standing height double ladder [m]	Standing height single ladder [m]	Numbers of rungs	Weight approx. [kg]	Ref. No.
4.16	1.35	2.99	4 x 4	14.0	1058.016
5.27	1.90	4.07	4 x 5	16.7	1058.020
6.42	2.17	4.10	4 x 6	20.5	1058.024 <small>NEW</small>

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 <small>NEW</small>

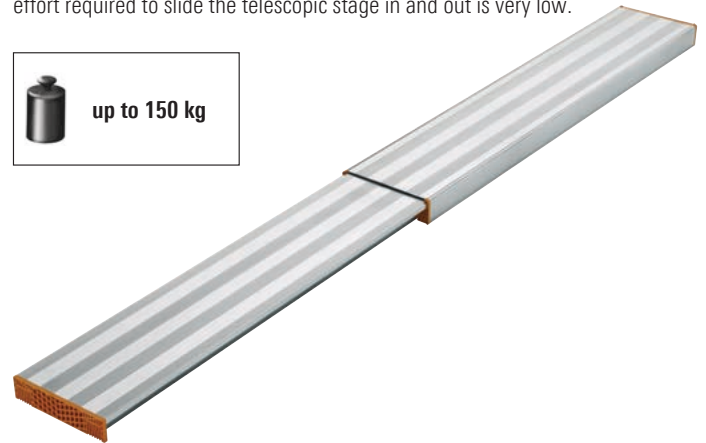


Alu telescopic stage **1351**

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.

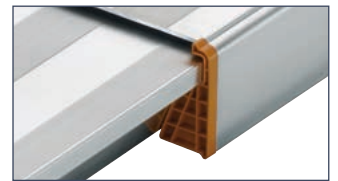
The automatic locking mechanism ensures that the inner extending element cannot slide out by mistake. The supporting structure is made of specially developed and torsion-stiff extruded aluminium sections.

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



All-purpose ladder 2-part TOPIC 1050



Option to use as extension ladder or as double ladder thanks to special joint. Safe standing of ladder thanks to cross-piece. Manual length adjustment rung by rung using engaging hook, secured against lifting out and sliding out of position. Easy handling in both variants.

Optionally rollers with rubber tyres to protect the wall surface when extending/retracting ladder are available.

Clear width: **454/377 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



TOPIC 1050

max. length [m]	min. length [m]	Standing height double ladder [m]	Standing height extension ladder [m]	Number of rungs	Stile height [mm]	Weight approx. [kg]	Ref. No.
3.00	1.85	1.05	1.85	2 x 6	76	10.2	1050.006 📦
4.05	2.40	1.60	2.90	2 x 8	76	13.0	1050.008 📦
5.10	2.90	2.10	3.95	2 x 10	76	15.6	1050.010 📦
5.90	3.50	2.65	4.75	2 x 12	100	21.4	1050.012 📦
6.95	4.10	3.15	5.80	2 x 14	100	24.4	1050.014 📦

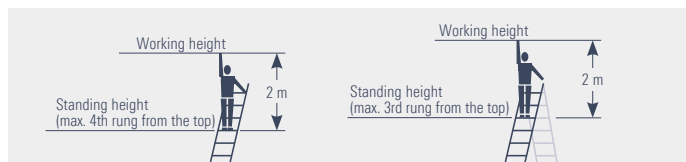
TOPIC 1050 with top rollers

max. length [m]	min. length [m]	Standing height double ladder [m]	Standing height extension ladder [m]	Number of rungs	Stile height [mm]	Weight approx. [kg]	Ref. No.
3.00	1.85	1.05	1.85	2 x 6	76	10.7	1050.206 📦
4.05	2.40	1.60	2.90	2 x 8	76	13.5	1050.208 📦
5.10	2.90	2.10	3.95	2 x 10	76	16.1	1050.210 📦
5.90	3.50	2.65	4.75	2 x 12	100	22.0	1050.212 📦
6.95	4.10	3.15	5.80	2 x 14	100	24.9	1050.214 📦



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

Art.-Nr. 1016.069 📦 pair



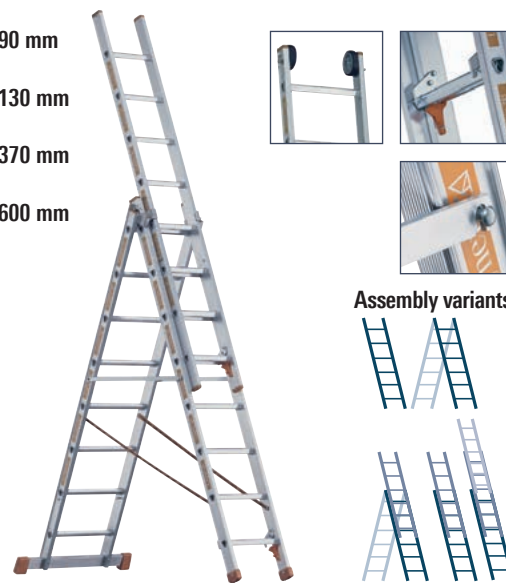
All-purpose ladder 3-part TOPIC 1040



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. Manual length adjustment rung by rung using engaging hook. Secured against lifting out and sliding out of position. Easy handling in all variants. Optionally rollers with rubber tyres to protect the wall surface when extending/retracting ladder are available.

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.
4.10	1.90	1.05	1.60	2.95	3 x 6	76	14.8	1040.006
5.70	2.45	1.60	2.35	4.55	3 x 8	76	22.0	1040.008
7.20	3.00	2.10	3.40	6.05	3 x 10	76	25.0	1040.010
8.80	3.55	2.65	4.50	7.65	3 x 12	100	32.0	1040.012
10.35	4.15	3.15	5.60	9.20	3 x 14	100	39.4	1040.014

TOPIC 1040 with top rollers

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.
4.10	1.90	1.05	1.60	2.95	3 x 6	76	14.8	1040.206 📦
5.70	2.45	1.60	2.35	4.55	3 x 8	76	18.8	1040.208 📦
7.20	3.00	2.10	3.40	6.05	3 x 10	76	23.0	1040.210 📦
8.80	3.55	2.65	4.50	7.65	3 x 12	100	31.0	1040.212 📦
10.35	4.15	3.15	5.60	9.20	3 x 14	100	35.0	1040.214 📦



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

Art.-Nr. 1016.069 📦 pair



Accessories

By using functional and well thought-out accessories, you increase working safety and ergonomics and improve productivity.

TOPIC-Box

Ref. No. 1016.021



Suspended step

Ref. No. 1016.003



Window cleaner extension

fits all Layher rung ladders; simply fix and secure

Ref. No. 0717.300



Foot tip for cross-piece

DIY-assembly

Ref. No. 1016.013



Suspended tray

Ref. No. 1016.004



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



TOPIC steel tips

DIY-assembly

Ref. No. 1023.001



Suspended bag

Ref. No. 1016.014



Ladder shoe for wooden ladder

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

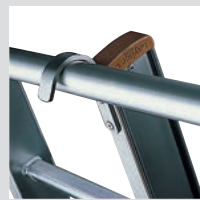
Ref. No. 1016.052



Suspension hook

DIY-assembly

Ref. No. 1016.050



Ladder wheels

DIY-assembly with weight-operated locking, easy to move, for movement in front of or between shelves.

Ref. No. 1016.070 left
Ref. No. 1016.071 right



TOPIC- Stile extension

Adjustment range max. 400 mm

64 mm stile
Ref. No. 1016.108

76 mm stile
Ref. No. 1016.109

84 mm stile
Ref. No. 1016.110

100 mm stile
Ref. No. 1016.111



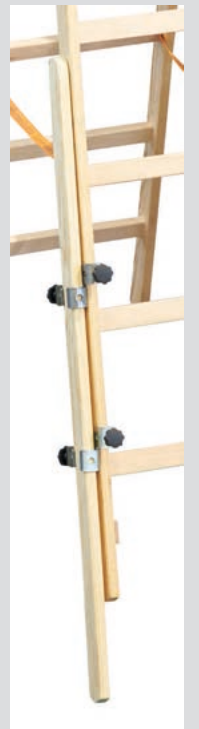
Wood stile extension set EasyFix

for wooden double ladders 1038.2xx and 1059.2xx (up to 10 rungs) and wall-paperer's trestle 1045.2xx

Incl. 2 pcs. 1016.200

Ref. No. 1016.022
Length 1.25 m

Ref. No. 1016.023
Length 1.65 m



Insert hook

Usable on all Layher ladders with triangular rungs.

Ref. No. 1016.100



Cross-piece castors

for easier transporting and carrying of cross-piece equipped ladders.

Ref. No. 1016.069



Gutter holder

Secure attachment for all ladders

Ref. No. 1016.006




EasyFix

For 1016.022/023

Ref. No. 1016.200
piece



Even the best-quality components can be subjected to wear in very rough environments. We always have the right parts ready for rapid replacement. A fast and dependable spare part supply gives you the assurance that your ladders will always be in flawless condition even after years of use.



Ladder shoe

Ref. No. 6492.001 pair
Stile width 64 mm

Ref. No. 6492.002 pair
Stile width 76 mm

Ref. No. 6492.003 pair
Stile width 84 mm

Ref. No. 6492.004 pair
Stile width 100 mm




Ladder foot
pair

Ref. No. 6492.011 pair
Stile width 64 mm

Ref. No. 6492.012 pair
Stile width 76 mm

Ref. No. 6492.013 pair
Stile width 84 mm

Ref. No. 6492.014 pair
Stile width 100 mm




Cross-piece 1040/1050

Ref. No. 6492.080 piece
up to 8 rungs; cross-piece length 890 mm

Ref. No. 6492.081 piece
up to 10 rungs; cross-piece length 1130 mm

Ref. No. 6492.082 piece
up to 12 rungs; cross-piece length 1370 mm

Ref. No. 6492.083 piece
up to 14 rungs; cross-piece length 1600 mm



Ladder control book
4 pages, DIN A5

Download here:
downloads.layher.com

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Foot for cross-piece

Ref. No. 6492.015 pair

Replacement labels



German operating safety regulations require that ladders are inspected:

Check plaquette
Packaging unit (minimum quantity) 50 pcs.

Ref. No. 6492.160 PU 50 pcs.



According to DIN EN 131 instructions for assembly and use must be affixed visibly to each ladder:

Universal label
Instructions for Assembly and Use; Packaging unit (minimum quantity) 50 pcs.

Ref. No. 6492.165 PU 50 pcs.

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

Rofer's ladder 1046

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



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

The rofer's ladder permit a variable operating range up to a roof pitch of 75°.

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	1046.008
2.85	10	5.5	1046.010
3.40	12	6.3	1046.012
3.95	14	7.0	1046.014
4.50	16	7.8	1046.016
5.05	18	9.2	1046.018

Roof ladder acc.to DIN 18160-5 TOPIC 1049/1051



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.

Optionally with protective section (TOPIC 1051)

High-grade roofs (with painted or coated tiles, e.g. with lotus effect) 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**



Roof ladder 1049 without protective section

Length [m]	Width [m]	Number of rungs	Colour	Weight approx. [kg]	Ref. No.
1.96	0.34	7	Aluminium nat.	3.7	1049.007
2.80	0.34	10	Aluminium nat.	5.3	1049.010
4.20	0.34	15	Aluminium nat.	8.0	1049.015
1.96	0.34	7	RAL 8004	3.7	1049.107
2.80	0.34	10	RAL 8004	5.3	1049.110
4.20	0.34	15	RAL 8004	8.0	1049.115
1.96	0.34	7	RAL 8011	3.7	1049.207
2.80	0.34	10	RAL 8011	5.3	1049.210
4.20	0.34	15	RAL 8011	8.0	1049.215
1.96	0.34	7	RAL 7016	3.7	1049.307
2.80	0.34	10	RAL 7016	5.3	1049.310
4.20	0.34	15	RAL 7016	8.0	1049.315

Roof ladder 1049 with protective section

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

Safety hook, model Z

according to DIN EN 517
0.40 x 0.25 x 0.04 m, weight 0.9 kg
For use on tiled roofs, incl. nails



galvanized
Ref. No. 1049.001 📦

RAL 8004
Ref. No. 1049.101 📦

RAL 8011
Ref. No. 1049.201 📦

RAL 7016
Ref. No. 1049.301 📦

Safety hook, model B

according to DIN EN 517
0.40 x 0.25 x 0.04 m, weight 0.8 kg
For use on slate roofs, incl. nails



galvanized
Ref. No. 1049.002 📦

RAL 8004
Ref. No. 1049.102 📦

RAL 8011
Ref. No. 1049.202 📦

RAL 7016
Ref. No. 1049.302 📦

Connecting strap

0.20 x 0.02 x 0.005 m, weight 0.5 kg
Including bolts, washers and nuts
of stainless steel



galvanized, pair
Ref. No. 1049.003 📦

RAL 8004, pair
Ref. No. 1049.103 📦

RAL 8011, pair
Ref. No. 1049.203 📦

RAL 7016, pair
Ref. No. 1049.303 📦

Roof ladder rubber section



Length 1.96 m, weight 0.2 kg
for 7 rungs, pair
Ref. No. 1049.907 📦

Length 2.80 m, weight 0.3 kg
for 10 rungs, pair
Ref. No. 1049.910 📦

Length 4.20 m, weight 0.4 kg
for 15 rungs, pair
Ref. No. 1049.915 📦

Fastening bracket



according to DIN 18160-5
galvanized
0.08 x 0.07 m, weight 0.1 kg
Ref. No. 1049.000 📦

Tread set

0.80 x 0.25 x 0.30 m, weight 8.0 kg



acc. to DIN EN 516/DIN 18160-5
galvanized
Ref. No. 1049.090

RAL 8004
Ref. No. 1049.190

RAL 8011
Ref. No. 1049.290

RAL 7016
Ref. No. 1049.390

Roof ridge hook

NEW



for roof ladder
aluminium
Weight 2.75 kg
Ref. No. 0723.432 📦

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

The roof ladders *TOPIC 1049* and *TOPIC 1051* plus the above accessory parts (apart from the fastening bracket) are available in 4 colour variants:

Aluminium
natural
or galvanized

RAL 8004
Copper brown

RAL 8011
Nut brown

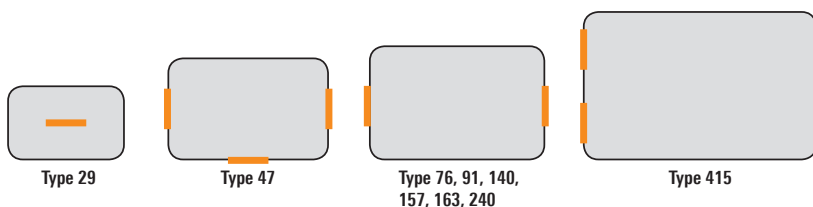
RAL 7016
Anthracite grey

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 (LxBxH) [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 📦
Cylinder lock, pair				0.1		1016.920 📦
Partitioning set for 1016.902 (47 ltr) and 1016.904 (92 ltr). Comprising 4 self-adhesive slide-rails and 4 partition panels				1.1		1016.930 📦

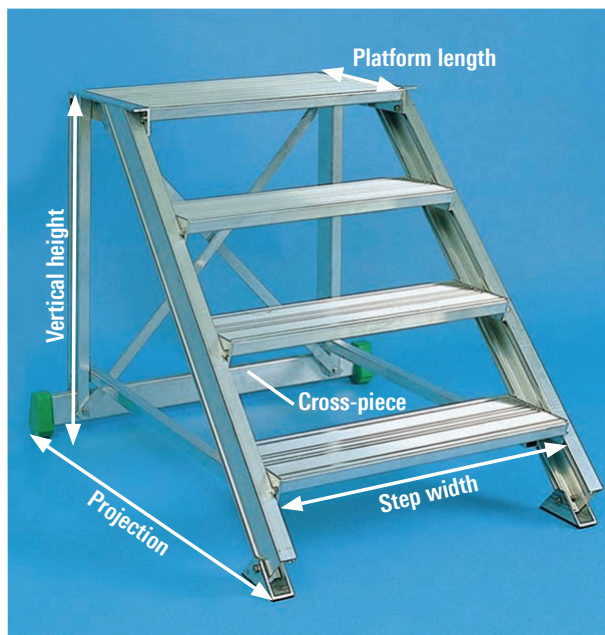
Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale.

Alu start-stairway statical 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 safe 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

The Layher stairs are delivered preassembled – no time consuming construction set.

Inclination	Width [m]	Vert. 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 30 mm diameter round tubing with cast aluminium connector as the connecting element. Attachment using angular mounting sections at top and bottom of 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 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
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

The Layher stairs are delivered preassembled – no time consuming construction set.

Inclination	Width [m]	Vert. height [m]	2.40	2.60	2.80	3.00	3.20	3.40	3.60	3.80
45°	0.60	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
		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
		Ref. No.	1110.012	1110.013	1110.014	1110.015	1110.016	1110.017	1110.018	1110.019
		Ref. No.								
Inclination	Width [m]	Vert. height [m]	2.70	2.925	3.15	3.375	3.60	3.825	4.05	4.275
60°	0.60	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
		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
		Ref. No.	1110.032	1110.033	1110.034	1110.035	1110.036	1110.037	1110.038	1110.039
		Ref. No.								

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).

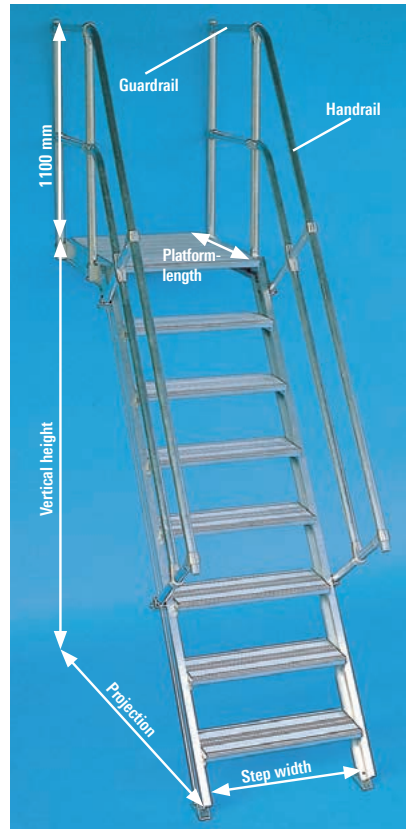
Subject to technical modification. All deliveries shall only be made exclusively in accordance with our currently valid General Terms of Sale.

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 30 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]	1.15	1.35	1.55	1.75	1.95	2.15	2.35	2.55	2.75
	0.60	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
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°		Number of steps	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
	0.60	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

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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 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 60° (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 250 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°	0.60	Number of steps	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	
		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°	0.60	Number of steps	12	13	14	15	16	17			
		Projection [m]	2.10	2.23	2.36	2.49	2.62	2.75			
		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		

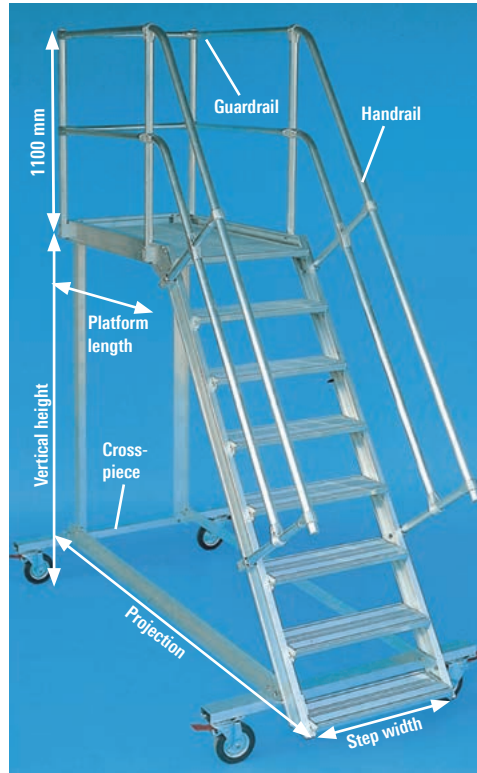
¹ Because of the step dimensions and the resulting surefootedness, the products shown on this page are called stairways. But normally they are stairway similar accesses and for these the standard of step ladders ist valid (DIN EN 131, BGI 694).

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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 30 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. height [m]	0.60	0.80	1.00	1.20	1.40	1.60	1.80	
45°	0.60	Number of steps	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 steps	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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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 safe 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°		Number of steps	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
	0.60	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°		Number of steps	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
	0.60	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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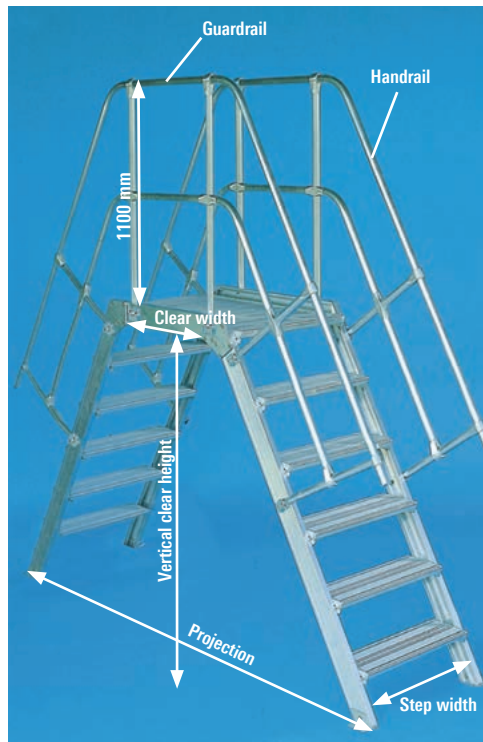
Alu bridging stairway, statical or movable 114

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 30 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 steps	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 steps	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

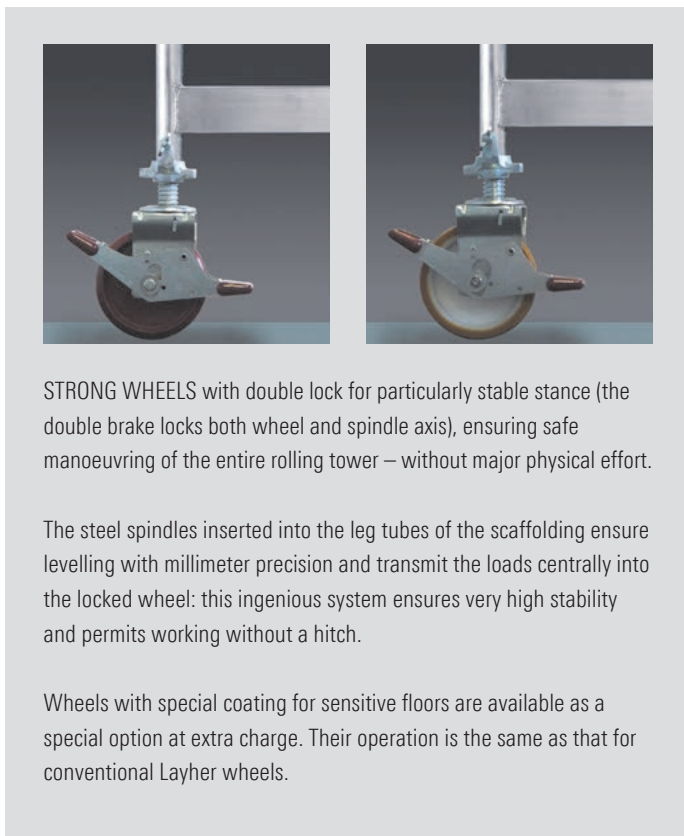
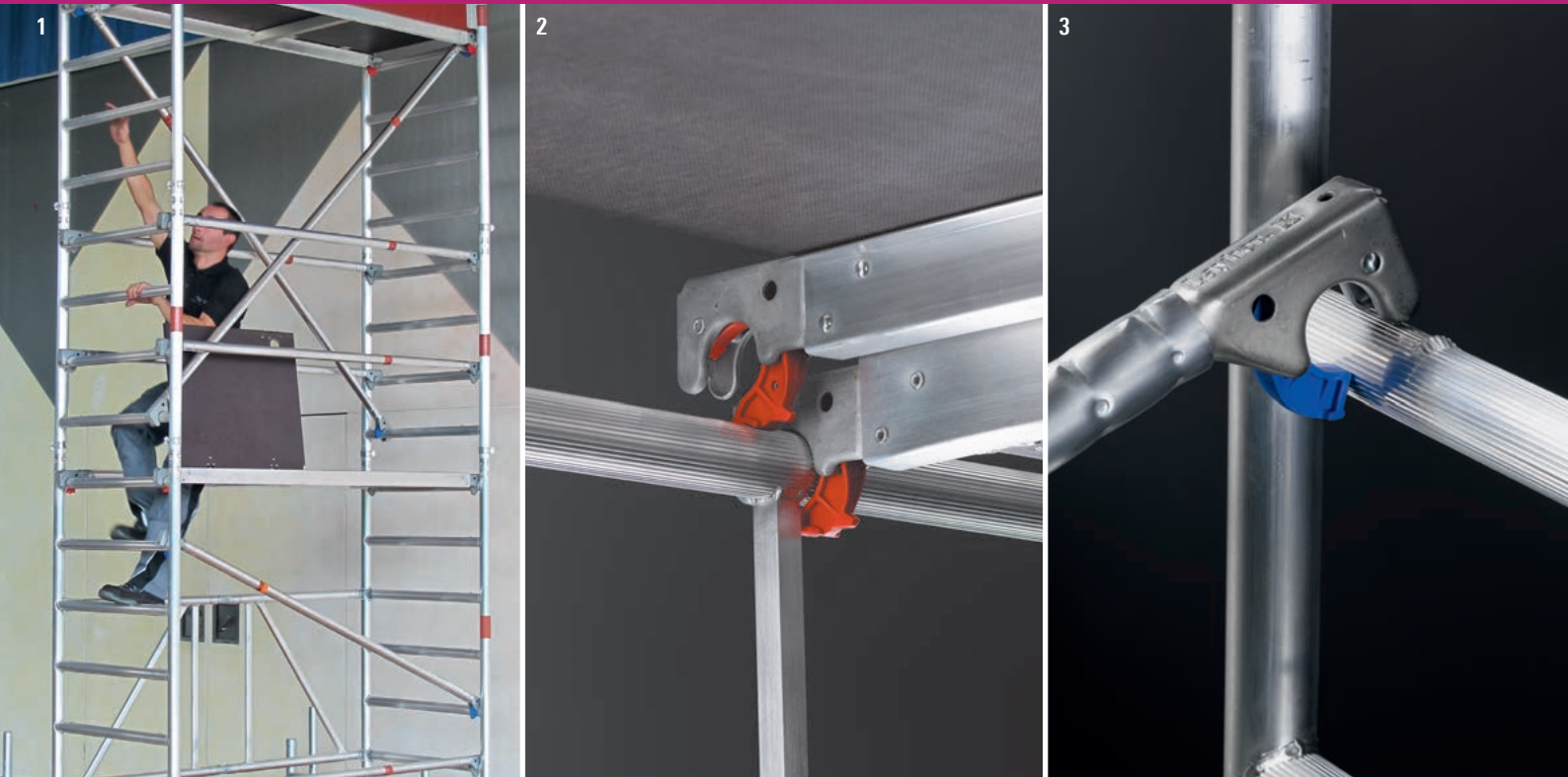
Inclination	Width [m]	Vert. clear height [m]	1.40	1.60	1.80	2.00
45°	0,60	Number of steps	7	8	9	10
		Projection [m]	3,40	4,12	4,56	5,00
		Weight [kg]	55,0	62,5	70,5	79,4
		Ref. No.	1146.107	1146.108	1146.109	1146.110
	0,80	Weight [kg]	65,7	74,4	82,9	93,6
		Ref. No.	1148.107	1148.108	1148.109	1148.110
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 steps	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

A ROLLING TOWER IS THERE TO DO A JOB.
ALLOWING YOU TO CONCENTRATE IN FULL ON YOUR JOB.



STRONG WHEELS with double lock for particularly stable stance (the double brake locks both wheel and spindle axis), ensuring safe manoeuvring of the entire rolling tower – without major physical effort.

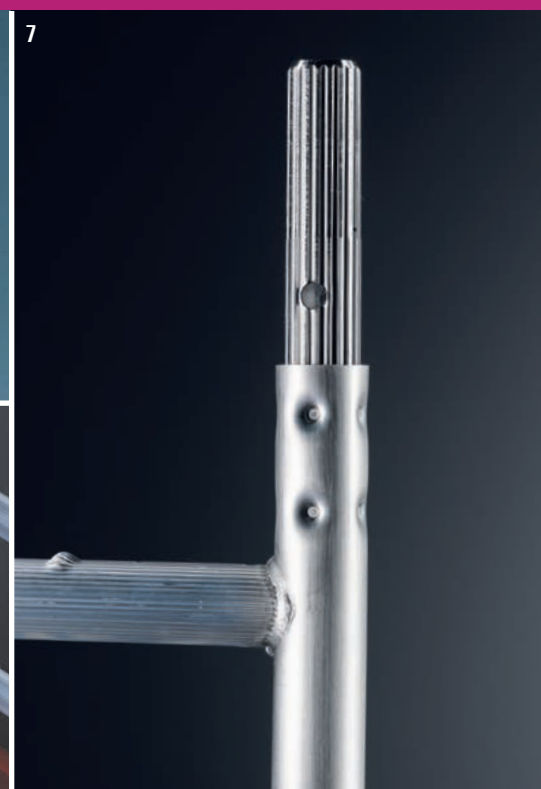
The steel spindles inserted into the leg tubes of the scaffolding ensure levelling with millimeter precision and transmit the loads centrally into the locked wheel: this ingenious system ensures very high stability and permits working without a hitch.

Wheels with special coating for sensitive floors are available as a special option at extra charge. Their operation is the same as that for conventional Layher wheels.

1 DECKS made of aluminium frames and plywood panel (BFU 100) for safe and non-fatiguing work, also with access hatches for risk-free movement inside the tower. The two different claw-types permit easy one-man-assembly and removal.

2 ALUMINIUM as the material (48.30 mm dia. tube) saves lots of weight in assembly, dismantling and transport.

3 The quality symbol of Layher rolling towers: The snap-on claw; unbeatably fast connection, engages with slight pressure and sits firmly. Special colour scheme for the claw fingers helps rapid identification of the rear guardrails and diagonal braces. **RUNGS GROOVED** for firm footing and grip during ascent.



4 MOBILE BEAMS with and without telescopic device (made of steel) are used for widening the base and increasing stability. The telescopic device simplifies movement of entire scaffolding structures without complicated modification of these.

Optional mounting of the ladder frames onto spigots allows free movement when working on ceilings or walls.

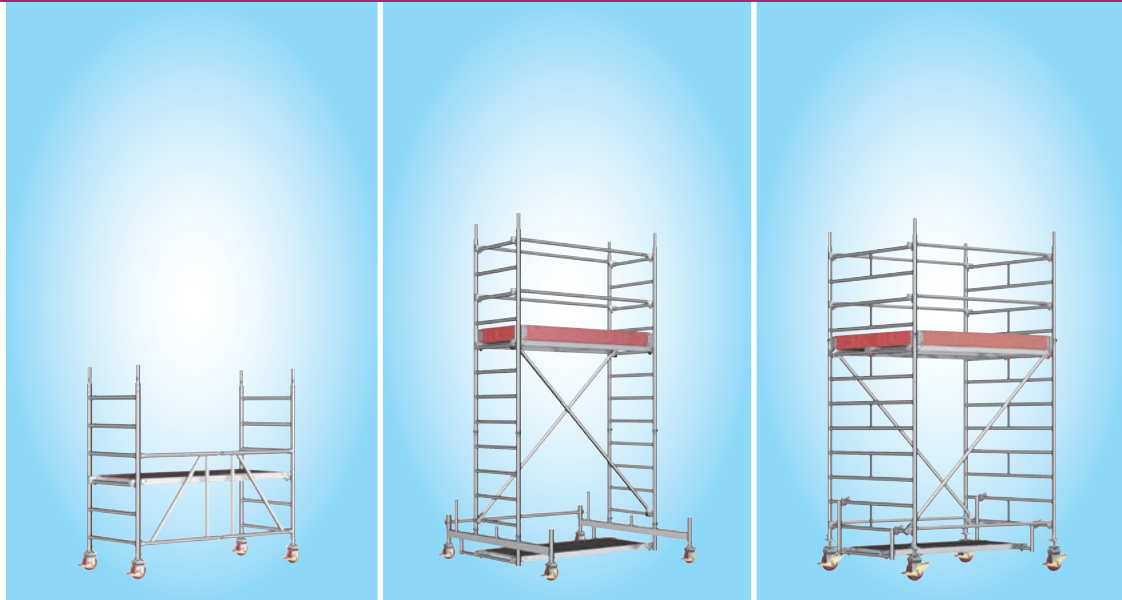
5 The DECK DIAGONAL BRACES are positioned outside the decks allowing them to be positioned at variable heights.

6 TOE BOARDS around the deck prevent material or tools from falling. The self-supporting toe boards line the outer contour of the deck, thus maximising the working area.

7 Amply sized conical SPIGOTS ensure safe and well-fitting connection between frames.

LAYHER ROLLING TOWERS

THE RIGHT ROLLING TOWER FOR EACH TASK



Tower model	Zifa P2	Uni Light P2	Uni Compact P2
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 rooms)	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

LayPLAN Layher Rolling Towers PRODUCT 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.

THE BENEFITS TO YOU:

- ▶ 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 P2



Uni Wide P2



Uni Stair



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 8.60 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

9.38 m

3.90 m

2.0 kN/m²

2.0 kN/m²

2.0 kN/m²

1.5 kN/m²

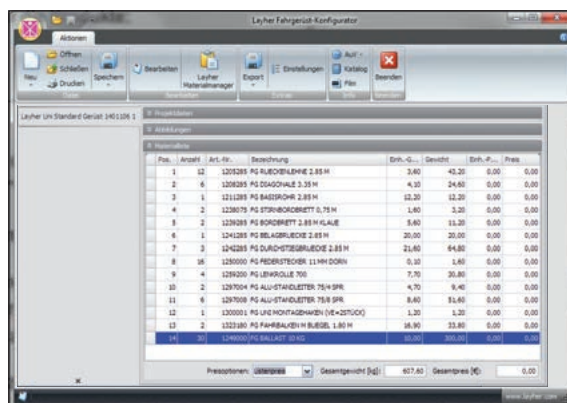
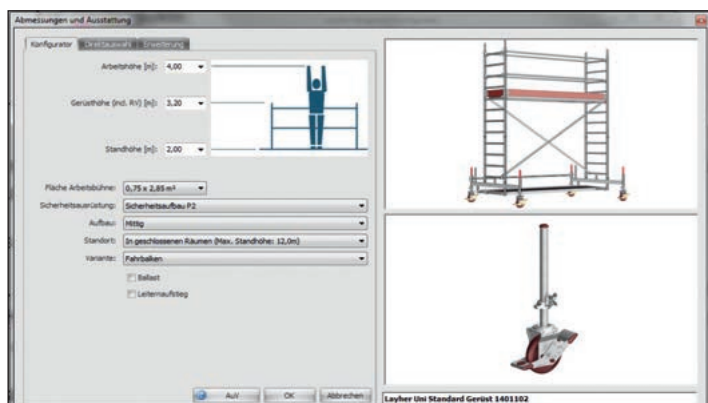
380 kg

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.

THE BENEFITS TO YOU:

The ingeniously simple assembly principle

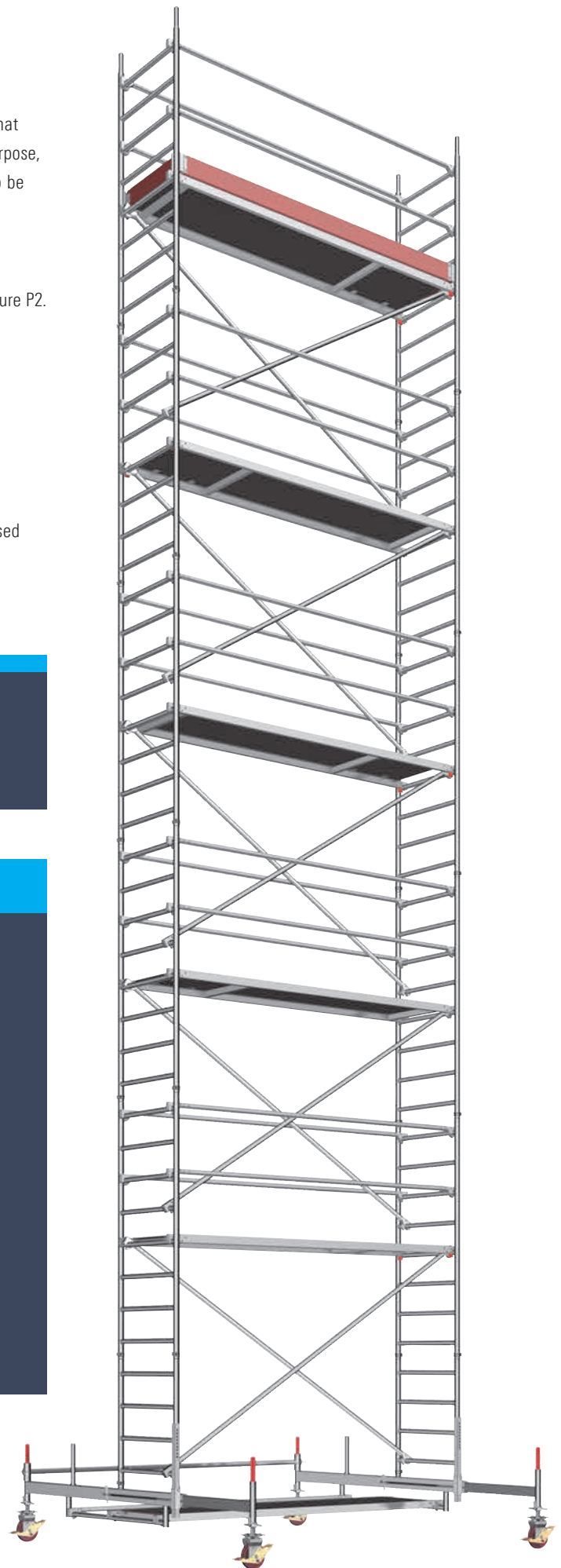
- ▶ All round side protection already in place when accessing the next platform up.
- ▶ More stability in the rolling tower thanks to additional stiffeners.

Platforms spaced 2 meters apart:

- ▶ Maximum safety during ascent, 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:

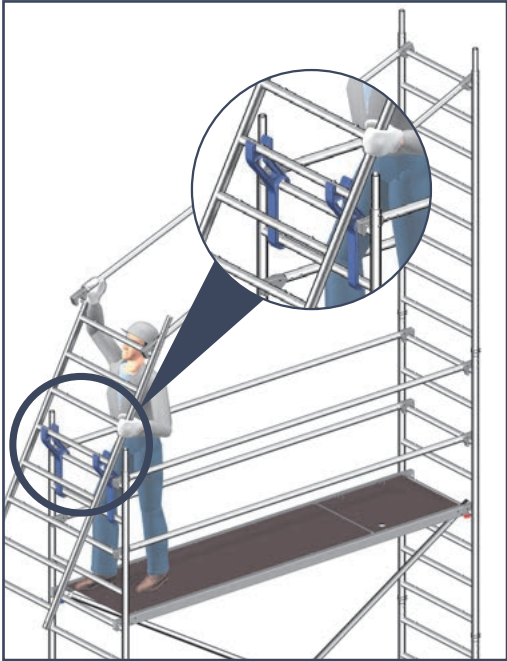
- ▶ Considerably simplifies assembly and ensures fast and hitch-free assembly and dismantling.



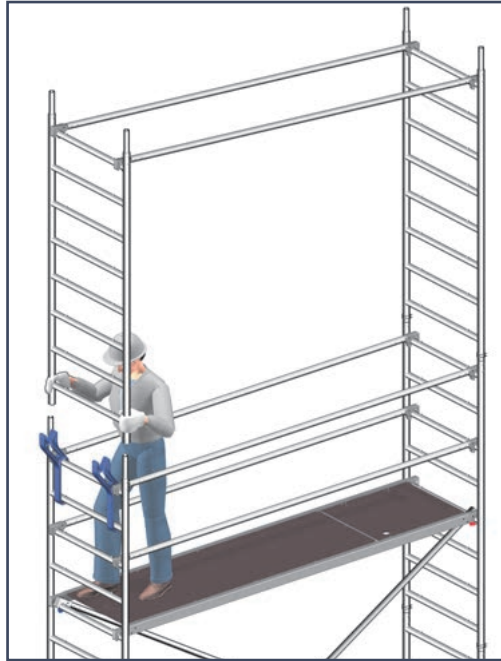
The principle – Simple. Swift. Safe.

1 Fit the first ladder frame.

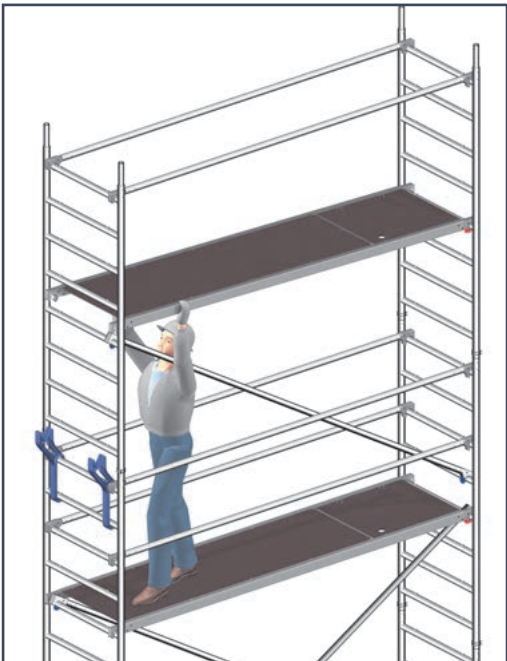
Attach the Uni assembly hooks and position the second ladder frame for fitting of the rear guardrails.



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: <http://youtu.be/xBkw3B0I4RI>



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 any room door 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 (BFU 100), also as a hatch-type deck for risk-free internal access.

Strong castors (permanently fitted) ensure particular stability.

THE BENEFITS TO YOU:

- ▶ 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 74 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)	
Horizontal diagonal brace 1.95 m	1208.195	0	0	0 (0)	1 (0)	0	1 (0)	
Basic tube 1.80 m	1209.180	0	0	0 (0)	0 (0)	0	0 (1)	
End toe board 0.75 m	1211.180	0	0	1 (0)	1 (0)	1	1 (1)	
Toe board 1.80 m with claw	1238.075	0	0	2 (2)	2 (2)	2	2 (2)	
Deck 1.80 m	1239.180	0	0	2 (2)	2 (2)	2	2 (2)	
Access deck 1.80 m	1241.180	1	0	1 (0)	0 (0)	1	0 (0)	
Spring clip	1242.180	0	1	1 (1)	2 (1)	2	3 (2)	
Ladder frame 75/4 – 1.00 m	1250.000	0	4	8 (8)	12 (12)	12	16 (16)	
Ladder frame 75/8 – 2.00 m	1297.004	0	2	0 (0)	2 (0)	0	2 (0)	
Uni assembly hook	1297.008	0	0	2 (0)	2 (0)	4	4 (0)	
Zifa 75 basic tower	1300.001	0	0	1 (0)	1 (0)	1	1 (0)	
Castor 400 – 4 kN	1300.006	1	1	1 (2)	1 (3)	1	1 (4)	
Mobile beam 1.80 m	1308.150	4	4	4 (4)	4 (4)	4	4 (4)	
Ballast	1323.180	0	0	2 (2)	2 (2)	2	2 (2)	
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
In the open				
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 given ballast weights are only required if the ladder frame is used as external access (e.g. round-turning of the ladder frame standard).

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 BetrSichV Layher recommends the safety structure P2.

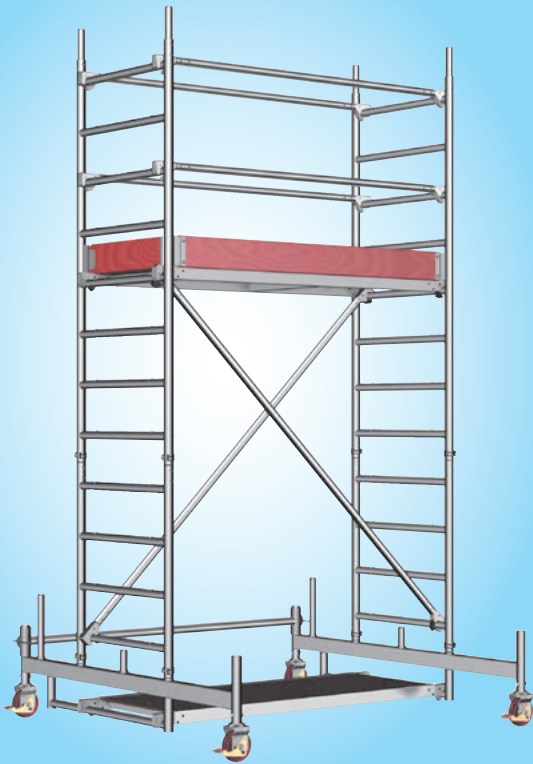


1406214 Safety structure P2	624 Min. requirements DIN EN 1004	1406215 Safety structure P2	1406216 Safety structure P2	625 Min. requirements DIN EN 1004
5.76	5.76	6.76	7.76	7.26
4.98	4.98	5.98	6.98	6.48
3.76	3.76	4.76	5.76	5.26
169.6	140.2	192.2	218.0	199.5
12 r2	12 r2	14 r4	14 r4	14 r4
10 r4	L2 R4	10 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.

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 (BFU 100), as a hatch-type deck for risk-free internal access; regulation rest platform already integrated.

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 BENEFITS TO YOU:

- ▶ 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)



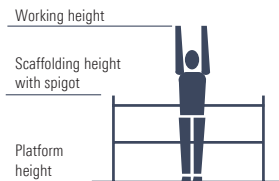
Layher

Uni Light

Part list

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

Tower model	Ref. No.	1403201	1403202 (3202)	1403203 (3203)	1403204 (3204)	1403205 (3205)	1403206 (3206)	1403207 (3207)
Rear guardrail 1.80 m	1205.180	0	4 (6)	9 (2)	8 (6)	13 (8)	12 (12)	17 (10)
Double rear 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)
Basic tube 1.80 m	1209.180	0	0 (0)	0 (0)	0 (1)	0 (1)	0 (1)	0 (1)
End toe board 0.75 m	1211.180	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Toe board 1.80 m with claw	1214.180	0	0 (2)	0 (2)	0 (2)	0 (2)	0 (2)	0 (2)
Deck 1.80 m	1238.075	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Access deck 1.80 m	1239.180	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Spring clip 11 mm	1241.180	0	1 (0)	0 (0)	1 (0)	0 (0)	1 (0)	0 (0)
Ladder frame 75/4 – 1.00 m	1242.180	1	1 (1)	2 (1)	2 (1)	3 (2)	3 (2)	4 (2)
Ladder frame 75/8 – 2.00 m	1250.000	0	8 (8)	8 (8)	12 (12)	12 (12)	16 (16)	16 (16)
Castor 400 – 4kN	1297.004	0	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)
Mobile beam with bar	1297.008	2	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)
Uni assembly hook	1308.150	4	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)
Ballast	1323.180	0	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)
Uni Montagehaken	1300.001	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Ballast	1249.000	For requirement see table below						



The Uni Light family

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

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

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

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

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

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

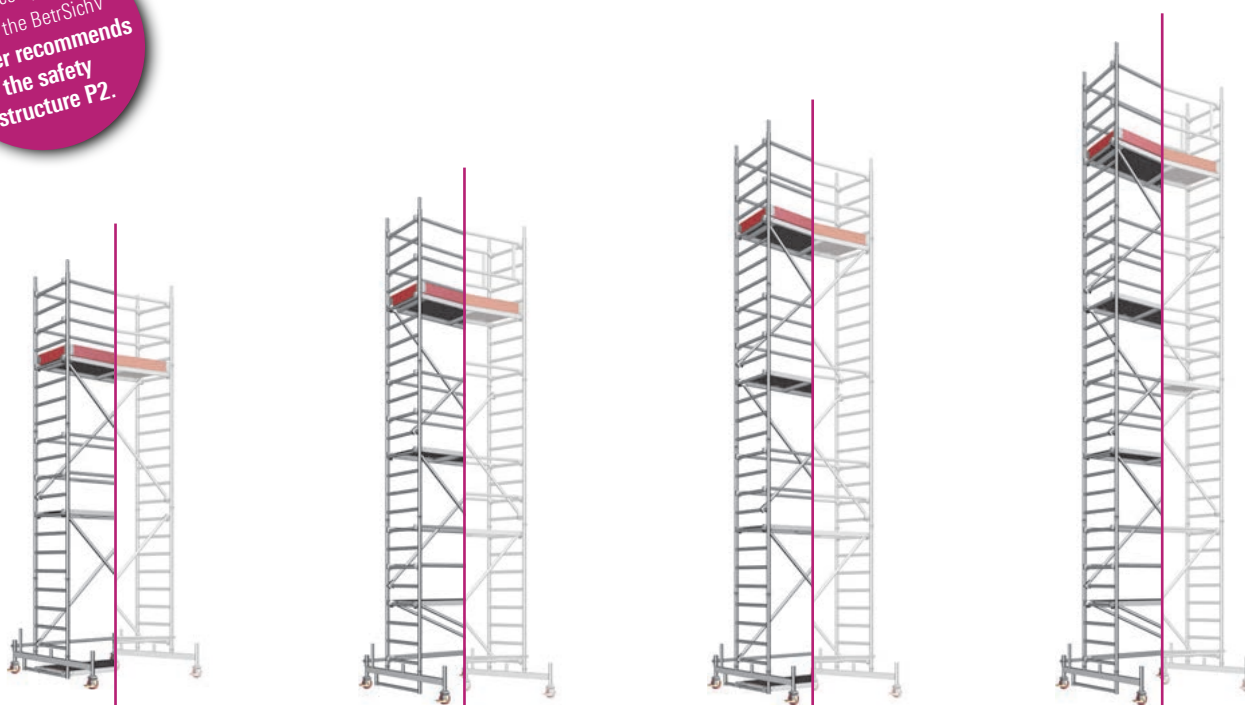
Retrofitting Table

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

Retrofit set	Ref No.	1400021	1400022	1400023	1400024	1400025	1400026
<i>for tower model</i>		3202*	3203*	3204*	3205*	3206*	3207*
Guardrail 1.80 m	1205.180	0	3	4	1	2	3
Diagonal brace 1.95 m	1208.195	0	2	0	2	0	2
Base ledger 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 BetrSichV Layher recommends the safety structure P2.

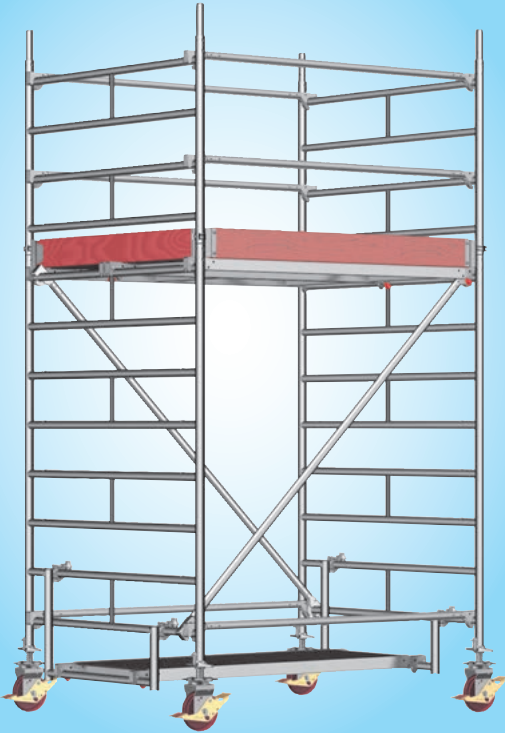


1403204 Safety structure P2	3204 Min. requirements DIN EN 1004	1403205 Safety structure P2	3205 Min. requirements DIN EN 1004	1403206 Safety structure P2	3206 Min. requirements DIN EN 1004	1403207 Safety structure P2	3207 Min. requirements DIN EN 1004
6.26	6.26	7.26	7.26	8.26	8.26	9.26	9.26
5.48	5.48	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 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 (BFU 100), as a hatch-type deck for risk-free internal access; regulation rest platforms already integrated.

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 BENEFITS TO YOU:

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



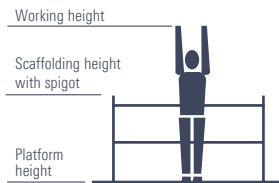
Layher

Uni Compact

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 74 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	6 (6)	10 (2)	10 (6)	14 (8)	12 (9)	17 (9)	16 (11)	16
Double guardrail 1.80 m	1206.180	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0
Diagonal brace 2.50 m	1208.180	2 (2)	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)	8
Diagonal brace 1.95 m	1208.195	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	0
Basic tube 1.80 m	1211.180	0 (0)	0 (0)	0 (0)	0 (0)	1 (0)	1 (0)	1 (0)	1
End toe board 1.44 m	1238.144	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2
Toe board 1.80 m with claw	1239.180	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2
Deck 1.80 m	1241.180	2 (1)	2 (1)	3 (1)	3 (2)	4 (2)	4 (2)	5 (2)	5
Access deck 1.80 m	1242.180	1 (1)	2 (1)	2 (1)	3 (2)	3 (2)	4 (2)	4 (2)	4
Spring clip 11 mm	1250.000	4 (4)	4 (4)	8 (8)	8 (8)	16 (16)	16 (16)	20 (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	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	2
Ladder frame 150/8 – 2.00 m	1299.008	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)	8 (8)	8
Mobile beam with bar 3.20 m adjustable	1323.320	0 (0)	0 (0)	0 (0)	0 (0)	2 (2)	2 (2)	2 (2)	2
Access ledger 0.90 m	1324.180	0 (0)	0 (0)	0 (0)	0 (0)	0 (1)	0 (1)	0 (1)	0
Uni assembly hook	1344.003	2 (1)	1 (1)	2 (1)	1 (1)	0 (0)	0 (0)	0 (0)	0
Ballast	1300.001	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1
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	11 r1	0	11 r1	4
Assembly off-set	X	X	X	X	X
Assembly off-set with wall bracing	0	12 r0	X	12 r0	X
In the open					
Assembly central*	0	11 r1	0	13 r3	6
Assembly off-set	X	X	X	X	X
Assembly off-set with wall bracing	0	12 r0	X	14 r0	X

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

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

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

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

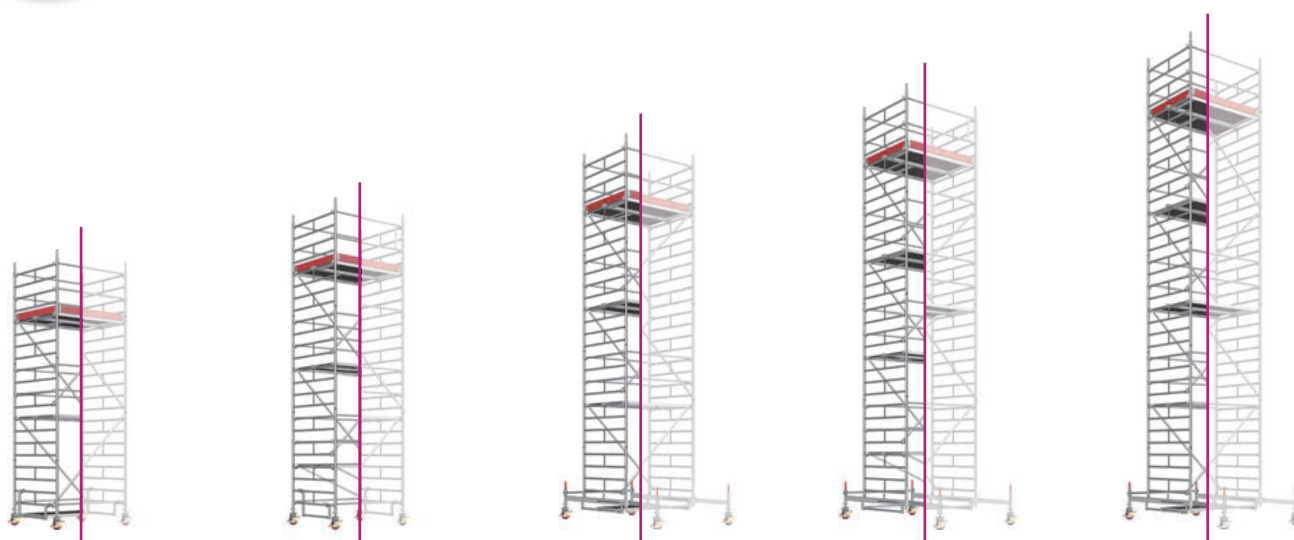
Example: 12, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
 16, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg 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.	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
Diagonal brace 1.95 m	1208.195	0	2	0	2	0	2	0
Deck 1.80 m	1241.180	1	1	2	1	2	2	3
Access deck 1.80 m	1242.180	0	1	1	1	1	2	2
Access ledger 0.90 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.

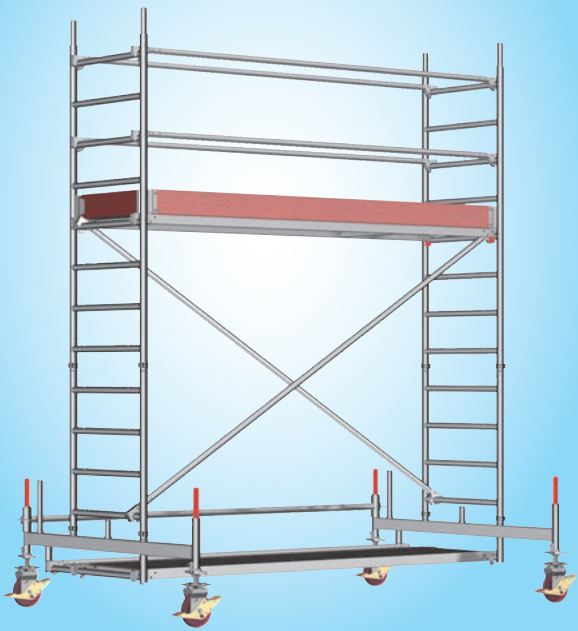


1405004 Safety structure P2	5004 Min. requirements DIN EN 1004	1405005 Safety structure P2	5005 Min. requirements DIN EN 1004	1405006 Safety structure P2	5006 Min. requirements DIN EN 1004	1405007 Safety structure P2	5007 Min. requirements DIN EN 1004	1405008 Safety structure P2	5008 Min. requirements 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	11 r1	6
X	X	X	X	0	0	0	4	11 r1	8
14 r0	X	14 r0	X	0	0	0	4	11 r1	8
17 r7	14	111 r11	20	113 r13	24	117 r17	36	X	X
X	X	X	X	113 r13	24	117 r17	36	X	X
110 r4	X	114 r4	X	113 r13	24	117 r17	36	X	X

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UNI STANDARD

THE "MOST FLEXIBLE ROLLING TOWER" FOR VERY GREAT HEIGHTS



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

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

Work decks with aluminium frame and plywood insert (BFU 100), also as a hatch-type deck for risk-free internal access; regulation rest platforms already integrated.

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 tower supports (see page 70 in this respect and also instructions for assembly and use).

THE BENEFITS TO YOU:

- ▶ Max. 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 54.





Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 74 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)
Uni assembly hook	1324.285	0	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)
Ballast	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
Standing 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	10 r2	L0 R4	10 r4	L0 R4	10 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
In the open									
Assembly central*	I2 r2	0	0	11 r1	10 r1	I5 r5	I4 r4	I9 r9	I9 r9
Assembly off-set	X	L0 R2	0	L0 R6	10 r5	L0 R10	10 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; I and L relate to the side facing the scaffolding (see instructions for assembly and use).

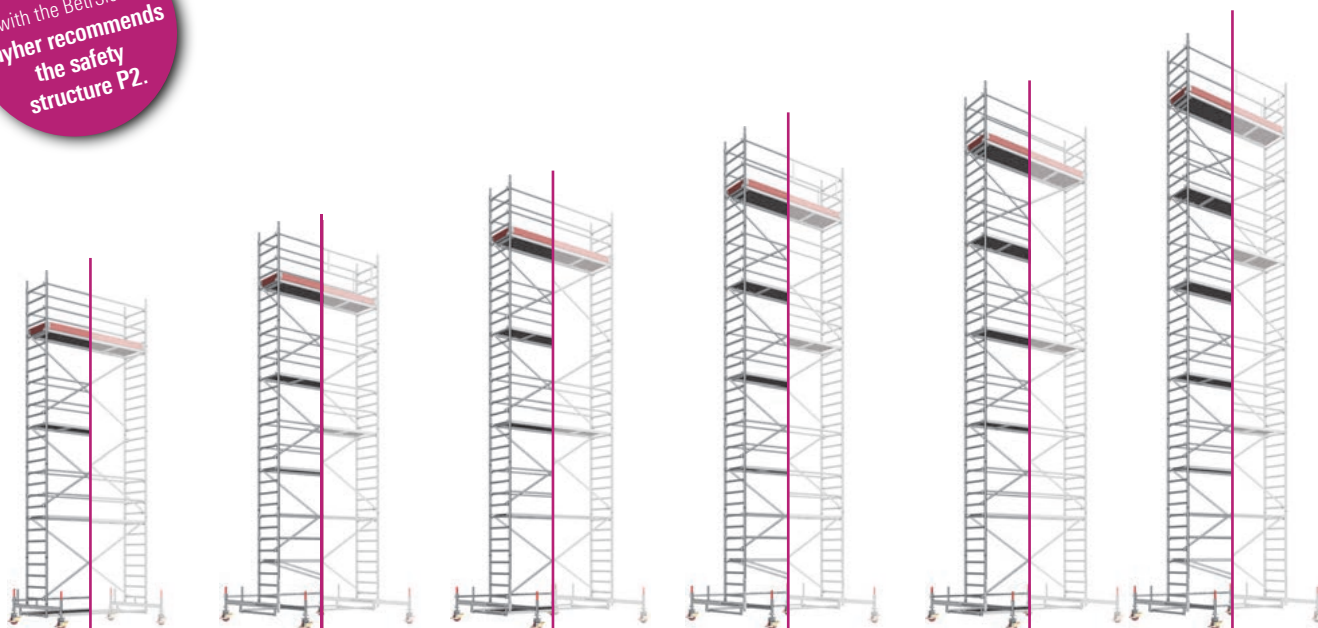
Retrofitting Table

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

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

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

For compliance with the BetrSichV Layher recommends the safety structure P2.

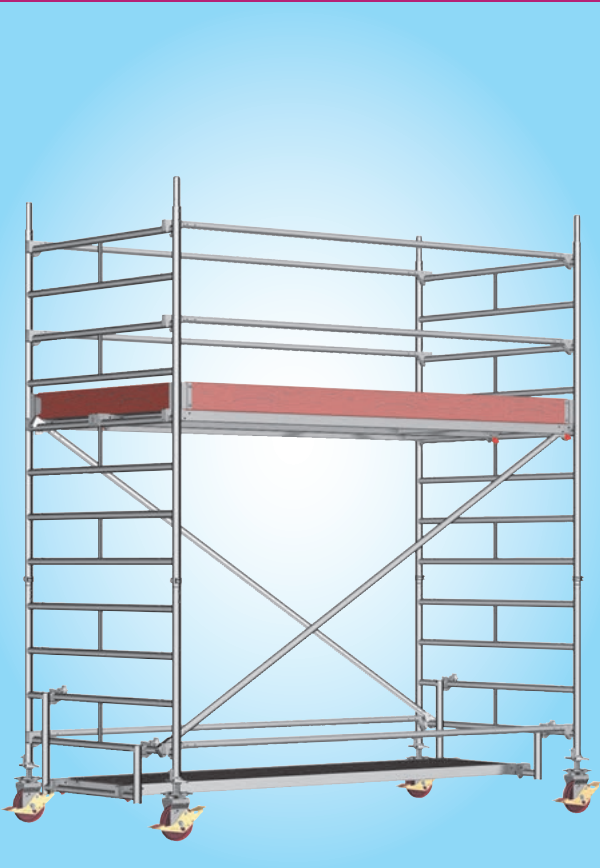


1401106 Safety structure P2	1106 Min. requirements DIN EN 1004	1401107 Safety structure P2	1107 Min. requirements DIN EN 1004	1401108 Safety structure P2	1108 Min. requirements DIN EN 1004	1401109 Safety structure P2	1109 Min. requirements DIN EN 1004	1401110 Safety structure P2	1110 Min. requirements 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 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 guardrails and diagonal braces of aluminium snap in easily.

Work decks with aluminium frame and plywood insert (BFU 100), as a hatch-type deck for risk-free internal access; regulation rest platforms already integrated.

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 tower supports (see page 72 in this respect and also instructions for assembly and use).

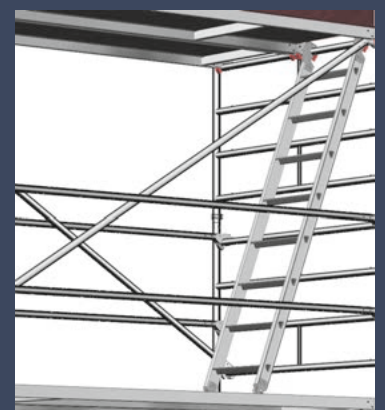
THE BENEFITS TO YOU:

- ▶ Max. 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 60.





DEMAG

Layher

Uni Wide

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 74 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 0.90 m	1344.003	0	2 (0)	1 (0)	2 (0)	1 (0)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)
Uni assembly hook	1300.001	0	1 (1)	1 (1)	1 (1)	1 (1)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Ballast	1324.285	0	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Ballast	1249.000											

For requirement see table below

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

Tower model	Ref. No.	1402101	1402102	1402103	1402104	1402105	1402106	1402107	1402108	1402109	1402110	1402111
Suspended step ladder, 8 steps	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	276.00
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
In the open									
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).

Beispiel: 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).

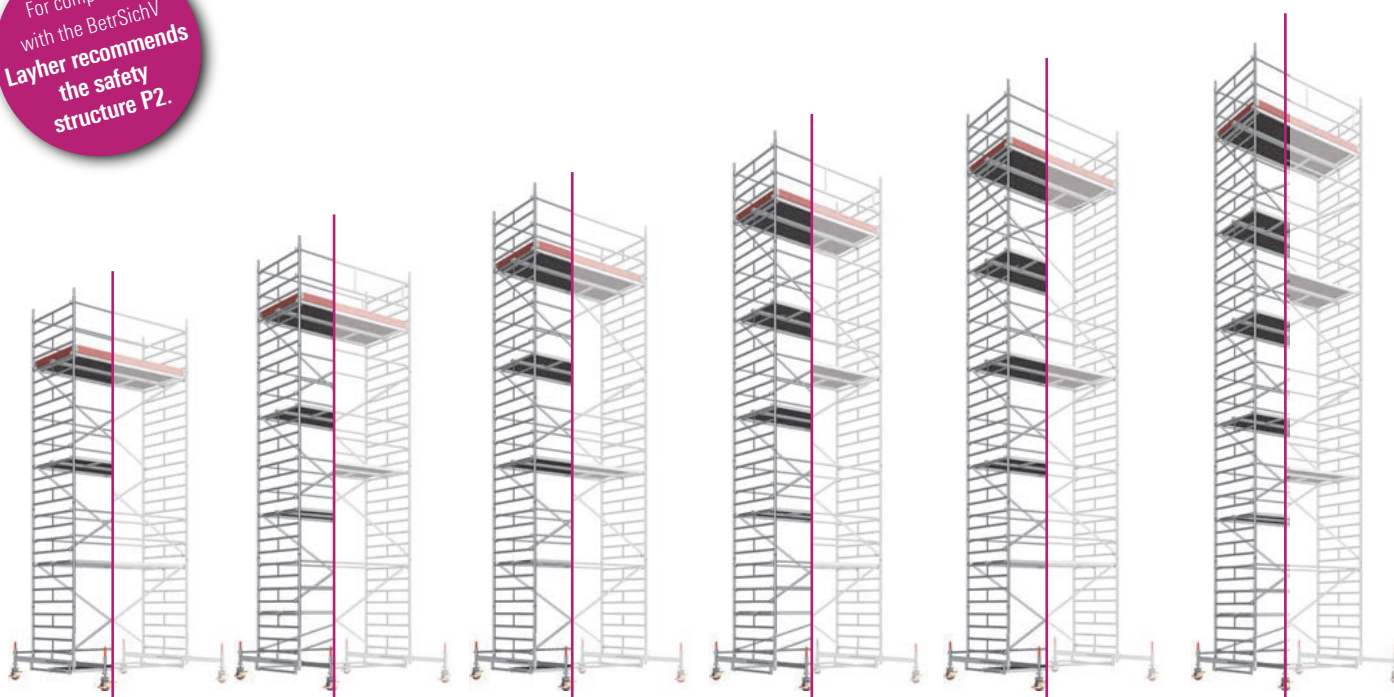
Retrofitting Table

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 0.90 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 BetrSichV Layher recommends the safety structure P2.

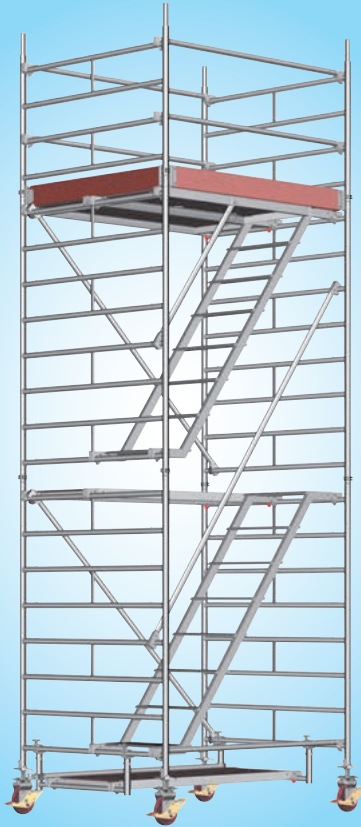


1402106 Safety structure P2	2106 Min. requirements DIN EN 1004	1402107 Safety structure P2	2107 Min. requirements DIN EN 1004	1402108 Safety structure P2	2108 Min. requirements DIN EN 1004	1402109 Safety structure P2	2109 Min. requirements DIN EN 1004	1402110 Safety structure P2	2110 Min. requirements 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	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 STAIR

THE UNIVERSAL TOWER WITH CONVENIENT STAIRWAY ACCESS



The Uni Stair 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 (BFU 100), 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.

THE BENEFITS TO YOU:

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



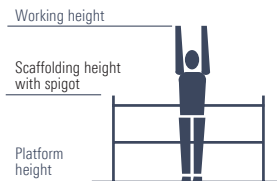
Layher

Layher

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 74 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, adjustable	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 0.90 m	1344.003	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below					



The Uni Stair family

Tower model	4201	4202
Working height [m]	4.20	6.20
Tower height [m]	3.43	5.43
Platform height [m]	2.20	4.20
Weight [kg] (without ballast)	166.3	236.50
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	△	△
In the open		
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.

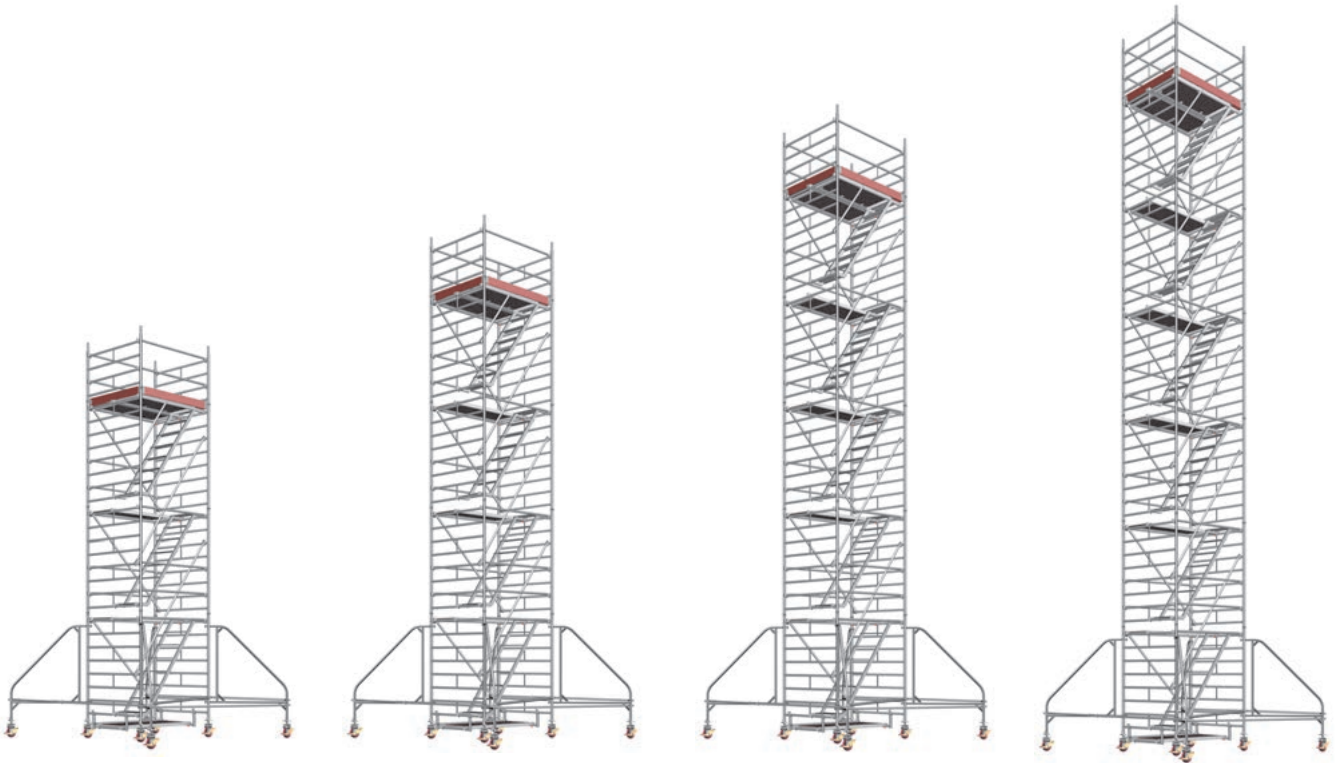
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.

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
387.90	458.10	528.30	598.50
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

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.

STARO ROLLING TOWER

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



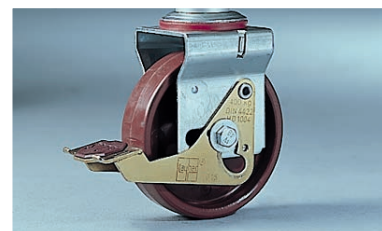


The Staro rolling tower is the "ready-made" tower with a large work surface. It is indispensable for fast work on large ceiling surfaces or for assembling components or installation work underneath the ceiling. The large work surface offers ample freedom of movement and space for storing tools and materials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

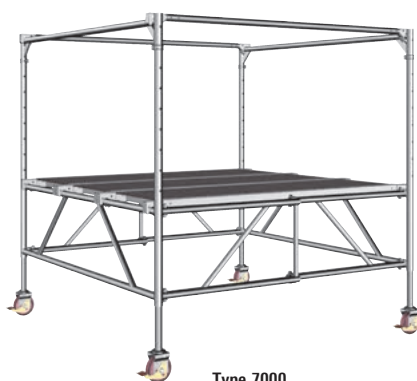


Basic assembly in aluminium; rear guardrails are easily snapped in.

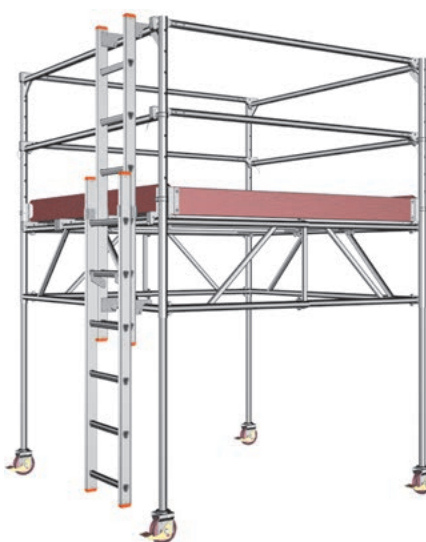
Work decks with aluminium frame and plywood insert (BFU 100).



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



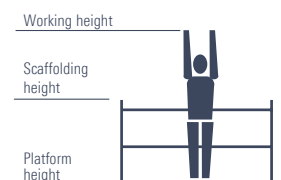
Type 7000



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

THE BENEFITS TO YOU:

- ▶ Max 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)



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	2
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
Staro guardrail 1.90 m	1227.190	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
Platform height [m]	0.80 – 1.90*	0.80 – 1.90
Weight [kg]	99.9	132.5

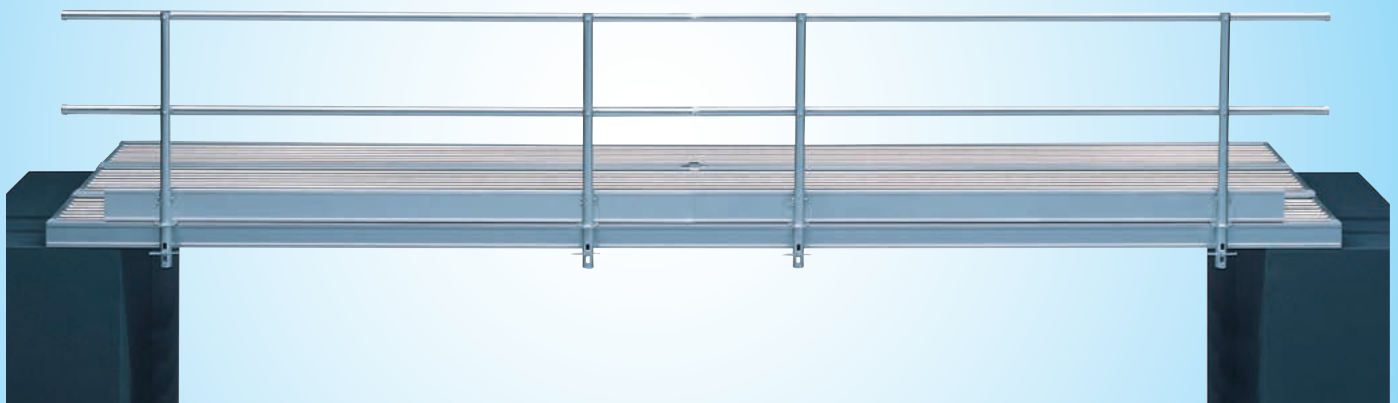
* ab einer Standhöhe von 1 m ist die Zusatz-Ausstattung erforderlich!

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. Ladder at extra price.

ALU BRIDGING BEAM

THE WORKING DECK UP TO 10 M LONG



THE BENEFITS TO YOU:

- ▶ Conforms to DIN EN 12811-1
- ▶ Permissible load class 2 (1.5 kN/m² to 10 m length)
- ▶ Permissible load class 3 (2.0 kN/m² to 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 Klammer
siehe Seite 82.

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



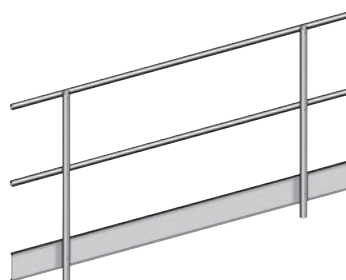
1330.000

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



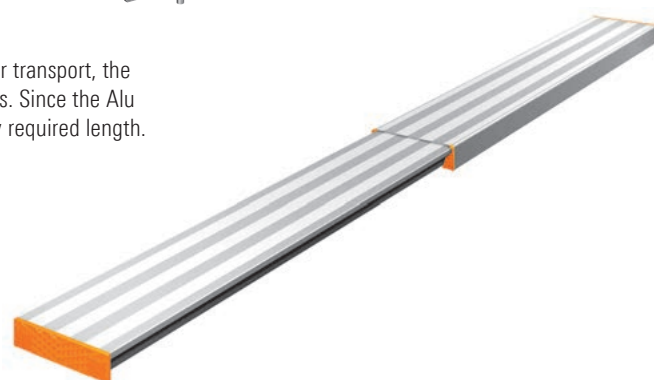
1332.200/1332.300

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 app. [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.

THE BENEFITS TO YOU:

- ▶ Subsequent attachment to completed rolling 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 2 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.

THE BENEFITS TO YOU:

- ▶ Max. 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
Lenkrolle 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 bar 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
Platform height ¹ [m]	2.40	4.40	6.40
Weight [kg]	358.2	409.8	504.6

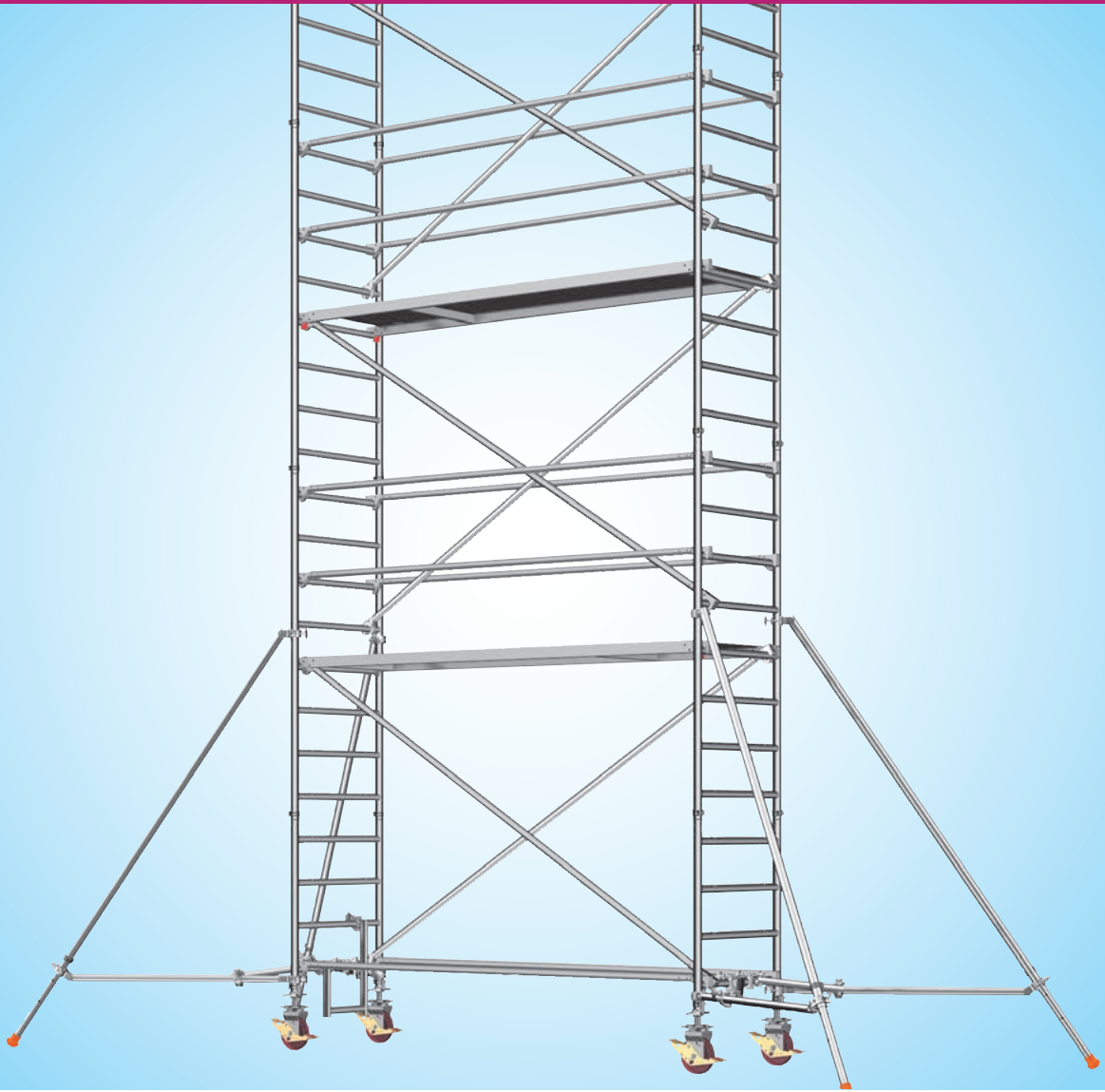
¹ Castors not fully extended (see instructions for assembly and use)

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

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UNI STANDARD P2

WITH TOWER SUPPORTS



Layher's **Uni Standard P2** rolling tower is now also available with tower supports! It comes complete as a set in a wide range of assembly heights, up to a working height of 13.20 m. Thanks to the use of Layher tower supports, and hence omission of the mobile beam, you reduce the overall weight of the tower by up to 43 kg! In addition, fewer ballast weights are needed.

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

Part list		Uni Standard P2 with tower supports, extendable								Uni Standard P2 with tower supports, 5 m						
Tower model	Ref. No.	1401124	1401125	1401126	1401127	1401128	1401129	1401130	1401131	1401145	1401146	1401147	1401148	1401149	1401150	1401151
Guardrail 2.85 m	1205.285	10	14	14	18	18	22	22	26	14	14	18	18	22	22	26
Diagonal brace 3.35 m	1208.285	4	4	6	6	8	8	10	10	4	6	6	8	8	10	10
Diagonal brace 2.95 m	1208.295	0	2	0	2	0	2	0	2	2	0	2	0	2	0	2
End toe board 0.75 m	1238.075	2	2	2	2	2	2	2	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	2	2	2	2	2	2	2
Access deck 2.85 m	1242.285	2	3	3	4	4	5	5	6	3	3	4	4	5	5	6
Tower support, extendable	1248.260	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0
Rotation preventer	1248.261	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Tower support, 5 m	1248.500	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4
Spring clip 11 mm	1250.000	8	8	12	12	16	16	20	20	8	12	12	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 75/4 – 1.00 m	1297.004	2	0	2	0	2	0	2	0	0	2	0	2	0	2	0
Ladder frame 75/8 – 2.00 m	1297.008	4	6	6	8	8	10	10	12	6	6	8	8	10	10	12
Access ledger	1344.002	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Uni assembly hook	1300.001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Uni Standard P2 with tower supports, extendable

Tower model	1401124	1401125	1401126	1401127	1401128	1401129	1401130	1401131
Working height [m]	6.20	7.20	8.20	9.20	10.20	11.20	12.20	13.20
Tower height [m]	5.43	6.43	7.43	8.43	9.43	10.43	11.43	12.43
Platform height [m]	4.20	5.20	6.20	7.20	8.20	9.20	10.20	11.20
Weight [kg] (without ballast)	232.2	283.5	294.0	345.3	355.8	407.1	417.6	468.9

Ballast (stated in units)

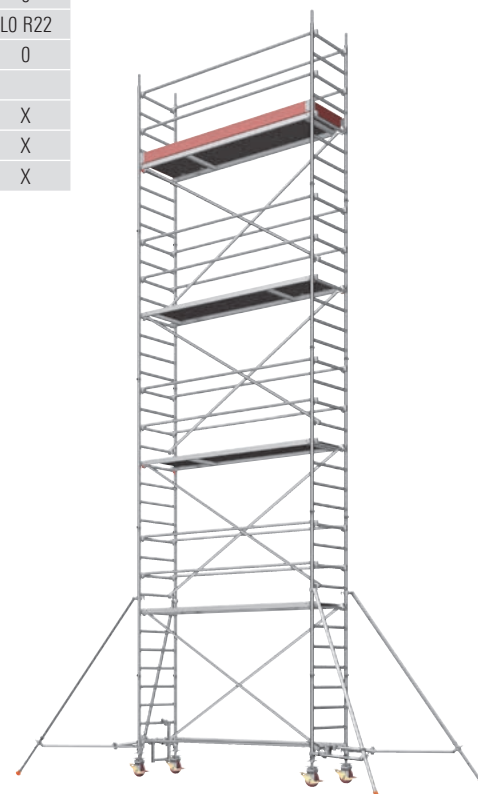
In closed areas								
Assembly central	0	0	0	0	0	0	0	0
Assembly off-set	LO R6	LO R8	LO 12R	LO R12	LO R16	LO R18	LO R20	LO R22
Assembly off-set with wall bracing	0	0	0	0	0	0	0	0
In the open								
Assembly central	0	0	0	0	X	X	X	X
Assembly off-set	LO R16	LO R20	LO R28	LO R34	X	X	X	X
Assembly off-set with wall bracing	0	0	0	0	X	X	X	X

Uni Standard P2 with tower supports, 5 m

Tower model	1401145	1401146	1401147	1401148	1401149	1401150	1401151
Working height [m]	7.20	8.20	9.20	10.20	11.20	12.20	13.20
Tower height [m]	6.43	7.43	8.43	9.43	10.43	11.43	12.43
Platform height [m]	5.20	6.20	7.20	8.20	9.20	10.20	11.20
Weight [kg] (without ballast)	309.1	319.6	370.9	381.4	432.7	443.2	494.5

Ballast (stated in units)

In closed areas							
Assembly central	0	0	0	0	0	0	0
Assembly off-set	LO R6	LO R8	LO R8	LO R10	LO R12	LO R14	LO R14
Assembly off-set with wall bracing	0	0	0	0	0	0	0
In the open							
Assembly central	0	0	0	X	X	X	X
Assembly off-set	LO R16	LO R20	X	X	X	X	X
Assembly off-set with wall bracing	0	0	0	X	X	X	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.

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: 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

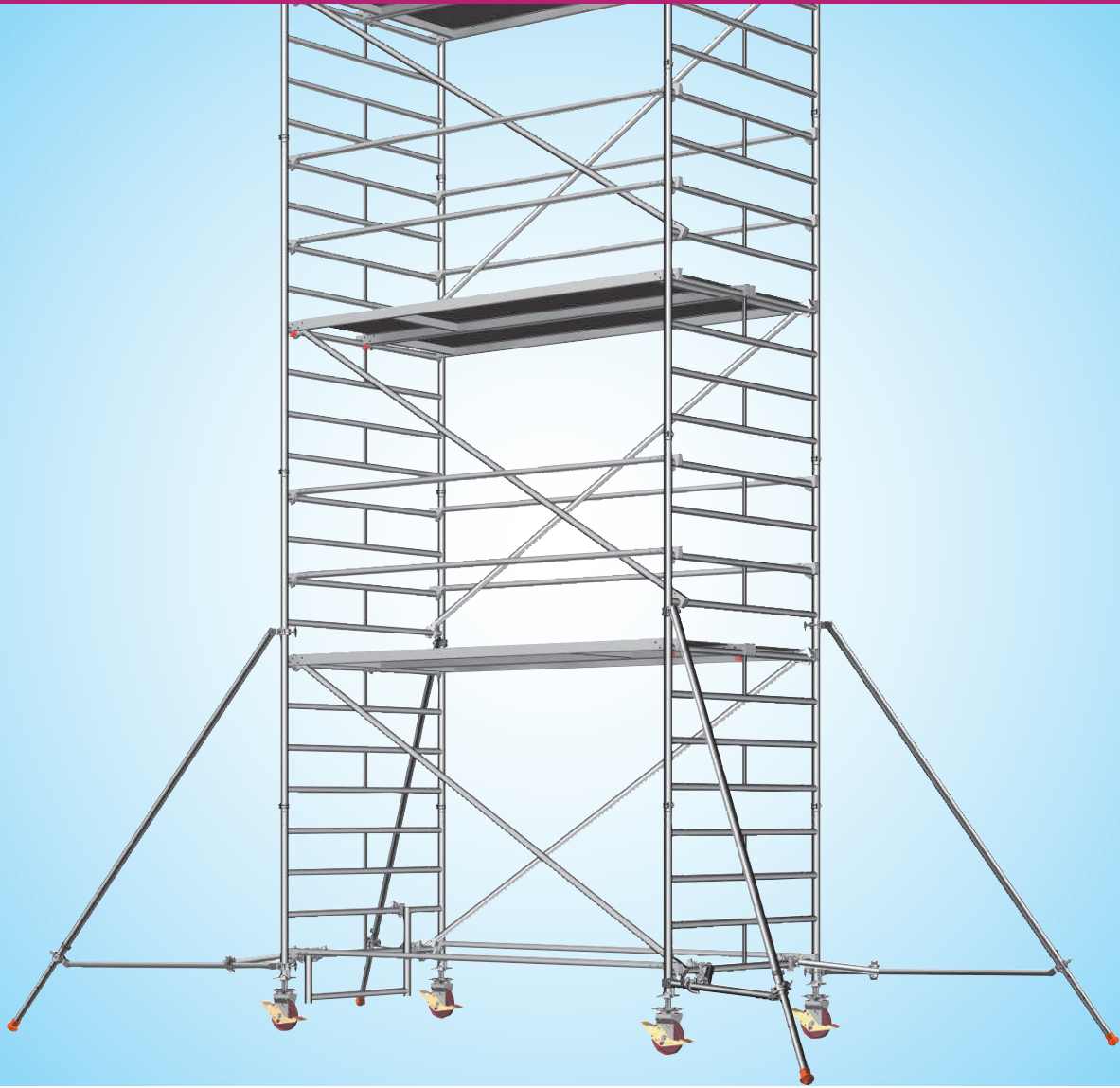
R always relates, in the case of off-centre assembly, to that side facing away from the scaffolding; L relates to the side facing the scaffolding (see instructions for assembly and use).

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

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. Please request the specific instructions for assembly and use when ordering.

UNI WIDE P2

WITH TOWER SUPPORTS



Layher's **Uni Wide P2** rolling tower is now also available with tower supports! It comes complete as a set in a wide range of assembly heights, up to a working height of 13.20 m. Thanks to the use of Layher tower supports, and hence omission of the mobile beam, you reduce the overall weight of the tower by up to 43 kg! In addition, fewer ballast weights are needed.

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

Part list	Ref. No.	Uni Wide P2 with tower supports, extendable						Uni Wide P2 with tower supports, 5 m					
		1402126	1402127	1402128	1402129	1402130	1402131	1402146	1402147	1402148	1402149	1402150	1402151
Guardrail 2.85 m	1205.285	14	18	18	22	22	26	14	18	18	22	22	26
Diagonal brace 3.35 m	1208.285	6	6	8	8	10	10	6	6	8	8	10	10
Diagonal brace 2.95 m	1208.295	0	2	0	2	0	2	0	2	0	2	0	2
End toe board 1.44 m	1238.144	2	2	2	2	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	2	2	2	2
Deck 2.85 m	1241.285	3	4	4	5	5	6	3	4	4	5	5	6
Access deck 2.85 m	1242.285	3	4	4	5	5	6	3	4	4	5	5	6
Tower support, extendable	1248.260	4	4	4	4	4	4	0	0	0	0	0	0
Rotation preventer	1248.261	4	4	4	4	4	4	4	4	4	4	4	4
Tower support 5 m	1248.500	0	0	0	0	0	0	4	4	4	4	4	4
Spring clip 11 mm	1250.000	12	12	16	16	20	20	12	12	16	16	20	20
Castor 700 – 7 kN	1259.201	4	4	4	4	4	4	4	4	4	4	4	4
Ladder frame 150/4 – 1.00 m	1299.004	2	0	2	0	2	0	2	0	2	0	2	0
Ladder frame 150/8 – 2.00 m	1299.008	6	8	8	10	10	12	6	8	8	10	10	12
Access ledger 0.90 m	1344.003	1	1	1	1	1	1	1	1	1	1	1	1
Uni assembly hook	1300.001	1	1	1	1	1	1	1	1	1	1	1	1

Uni Wide P2 with tower supports, extendable

Tower model	1402126	1402127	1402128	1402129	1402130	1402131
Working height [m]	8.20	9.20	10.20	11.20	12.20	13.20
Tower height [m]	7.43	8.43	9.43	10.43	11.43	12.43
Platform height [m]	6.20	7.20	8.20	9.20	10.20	11.20
Weight [kg] (without ballast)	392.2	468.7	483.8	560.3	575.4	651.9

Ballast (stated in units)

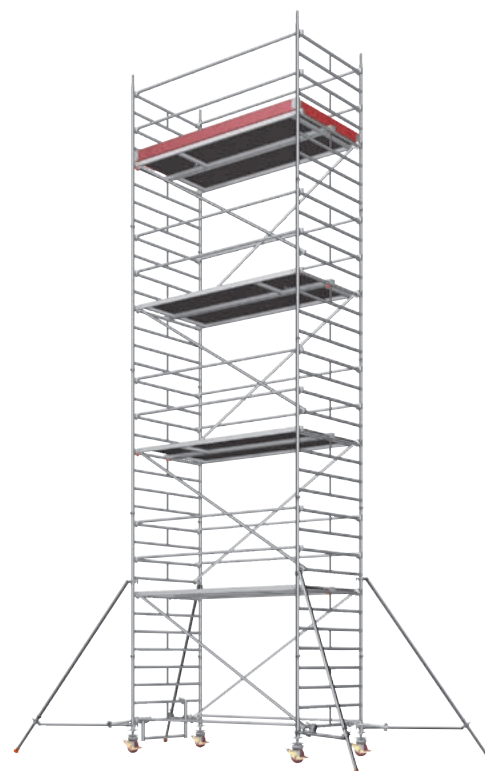
In closed areas						
Assembly central	0	0	0	0	0	0
Assembly off-set	LO R2	LO R2	LO R2	LO R2	LO R4	LO R4
Assembly off-set with wall bracing	0	0	0	0	0	0
In the open						
Assembly central	0	0	X	X	X	X
Assembly off-set	LO R14	LO R18	X	X	X	X
Assembly off-set with wall bracing	0	0	X	X	X	X

Uni Wide P2 with tower supports, 5 m

Tower model	1402146	1402147	1402148	1402149	1402150	1402151
Working height [m]	8.20	9.20	10.20	11.20	12.20	13.20
Tower height [m]	7.43	8.43	9.43	10.43	11.43	12.43
Platform height [m]	6.20	7.20	8.20	9.20	10.20	11.20
Weight [kg] (without ballast)	417.8	494.3	509.4	585.9	601.0	677.5

Ballast (stated in units)

In closed areas						
Assembly central	0	0	0	0	0	0
Assembly off-set	0	0	LO R2	LO R2	LO R2	LO R2
Assembly off-set with wall bracing	0	0	0	0	0	0
In the open						
Assembly central	X	X	X	X	X	X
Assembly off-set	LO R10	X	X	X	X	X
Assembly off-set with wall bracing	0	0	X	X	X	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.

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: 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 always relates, in the case of off-centre assembly, to that side facing away from the scaffolding; L relates to the side facing the scaffolding (see instructions for assembly and use).

All dimensions and weights are guideline values. Subject to technical modification. Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. Title to the delivered goods shall be retained until full payment has been made. Please request the specific instructions for assembly and use when ordering.

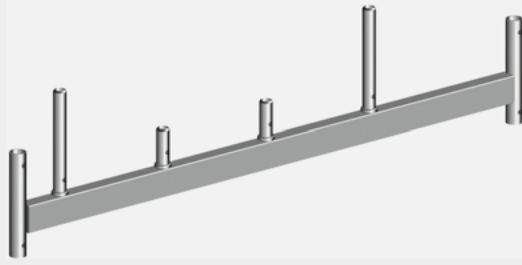
CASTORS FROM LAYHER

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

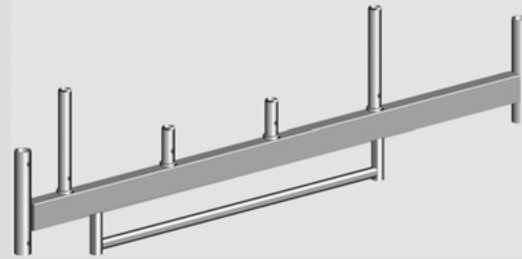
	Max. perm. load [kg] – braked	Max. dyn. load [kg] – unbraked – at 4 kph and over a distance of 2500 m without obstacles	Temperature resistance	Application
	700	350	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
	700	350	–20 °C to +50 °C	Firm ground with 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 / wooden boards
	1000	800	–25 °C to +70 °C, short-term to +90 °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!
	1200	960	–40 °C to +90 °C	All firm ground! E.g.: concrete / screed / wooden boards
	400	200	–40 °C to +90 °C	All firm ground! E.g.: concrete / screed / wooden boards
	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!

Components

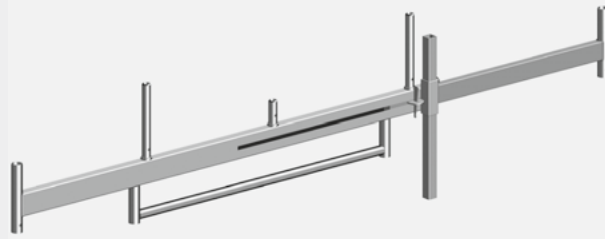
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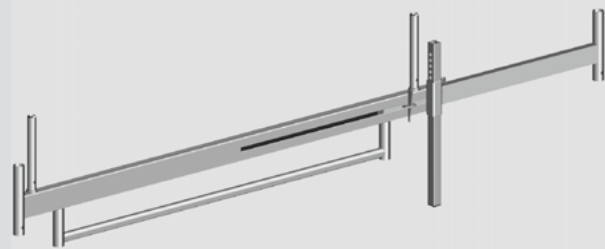
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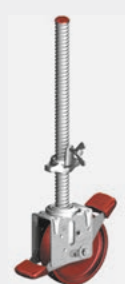
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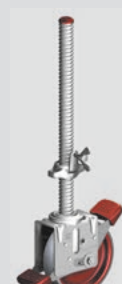
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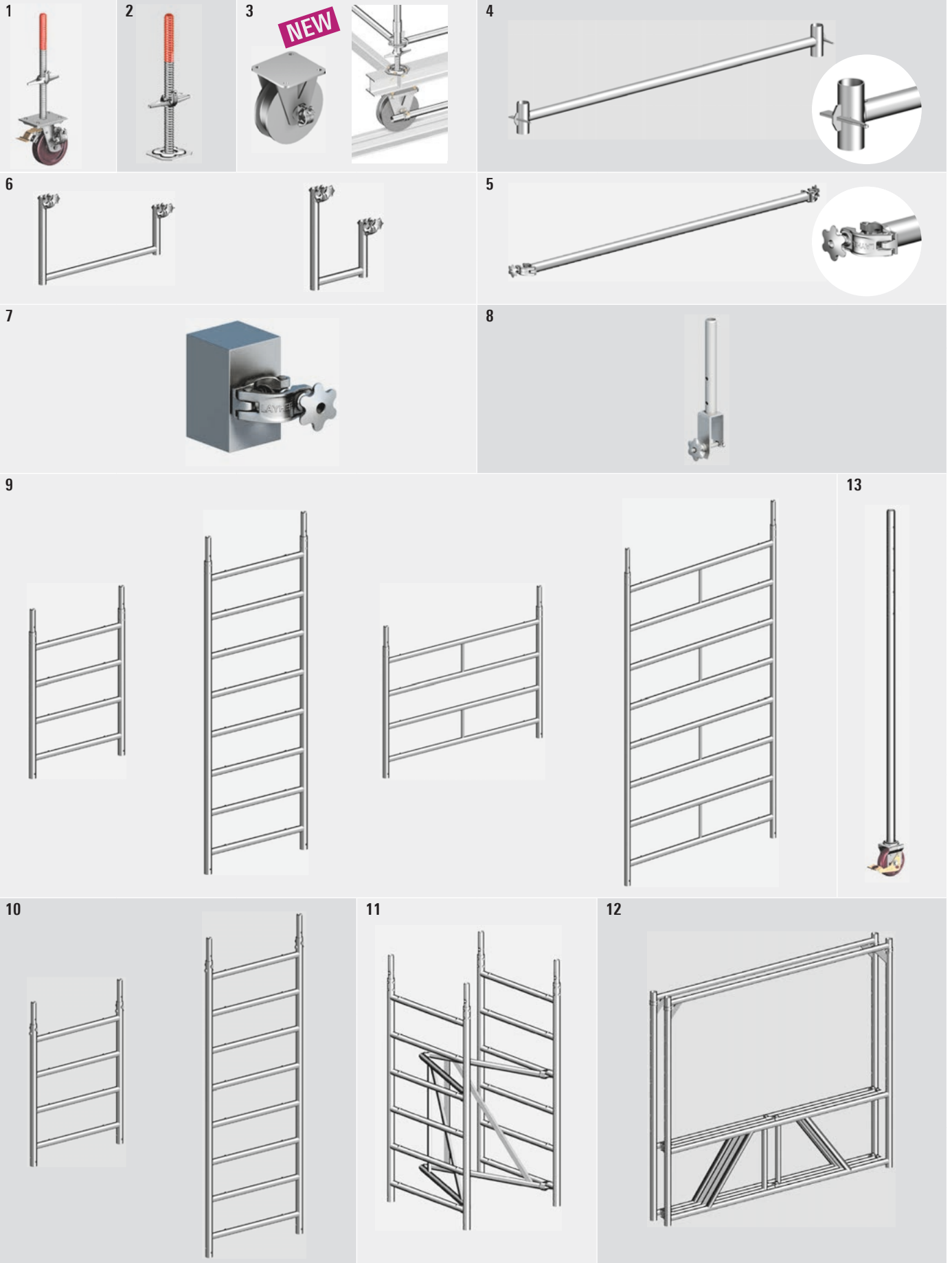
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Pos.	Description	Dimensions L/H x B [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Stair	Staro
1	Mobile beam Steel rectangular tube, hot-dip-galvanized. For widening the base of towers.	1.80	14.4		1214.180	▶	▶					
2	Mobile beam with bar Steel rectangular tube, hot-dip-galvanized. For widening the base of towers.	1.80	16.9		1323.180	▶	▶		▶			
3	Mobile beam with bar, adjustable Steel rectangular tube, hot-dip-galvanized. For widening the base of towers.	2.30 – 3.20	42.5		1323.320			▶	▶	▶		
4	Mobile beam with 2 spigots, adjustable Steel rectangular tube, hot-dip-galvanized. For widening the base for special mobile assemblies.		42.6		1338.320	▶	▶	▶	▶	▶		
5	Castor 400 Plastic wheel dia. 150 mm, with simple brake lever. Permissible load: 4 kN (≈ 400 kg)	dia. 0.15	2.1		1308.150	▶	▶	▶	▶	▶		
6	Castor 400, with polyurethane tyre Plastic wheel with polyurethane tyre, dia. 150 mm. Special wheel for sensitive floor surfaces. Wheel and slewing ring can be locked. Permissible load: 4 kN (≈ 400 kg).	dia. 0.15	2.4		1309.150	📦	▶	▶	▶	▶	▶	
7	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. Wheel and slewing ring can be locked. Permissible load: 7.0 kN	dia. 0.20	6.8		1259.201	▶	▶	▶	▶	▶	▶	
8	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. Wheel and slewing ring can be locked. Permissible load: 7.0 kN	dia. 0.20	7.0		1259.202	📦	▶	▶	▶	▶	▶	▶
9	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. Wheel and slewing ring can be locked. Permissible load: 10 kN	dia. 0.20	6.3		1260.201	▶	▶	▶	▶	▶	▶	
10	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. Wheel and slewing ring can be locked. Permissible load: 10 kN Special castor for sensitive floorings and thanks to electroconductability also usable in explosive or ESD areas. Bleeder resistance according to DIN EN 12526 < 10 ⁴ Ω	dia. 0.20	6.8		1260.202	📦	▶	▶	▶	▶	▶	▶

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Components



Pos.	Description	Dimensions L/H x B [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.								
						Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Stair	Staro	
1	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, wheel and slewing ring can be locked. Permissible load: 12 kN	dia. 0.20	12.0		1267.200		▶	▶	▶	▶	▶	▶	
2	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		▶	▶	▶	▶	▶	▶	
3	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		1267.075		Application upon request						
4	Basic tube steel tube, hot-dip galvanized.	1.80	7.7		1211.180		▶	▶	▶				
		2.85	12.2		1211.285					▶	▶		
5	Base strut with 2 half-couplers, steel tube, hot-dip galvanized.	1.80	6.2		1324.180		▶	▶	▶				
		2.85	9.3		1324.285					▶	▶	▶	
6	Access ledger aluminium.	0.30	2.9		1344.002		▶	▶		▶			
		0.90	3.3		1344.003				▶	▶			
7	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		▶	▶	▶	▶	▶	▶	
8	Spigot, adjustable for twin towers, steel, hot-dip galvanized, for use with mobile beam Ref. No. 1338.320.		2.1		1337.000		▶	▶	▶	▶	▶		
9	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 1.45	7.0		1299.004				▶		▶	▶	
		2.00 x 1.45	13.5		1299.008				▶		▶	▶	
10	Suspension ladder 75/4 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		▶	▶		▶			
11	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		▶						
12	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								▶
13	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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Components

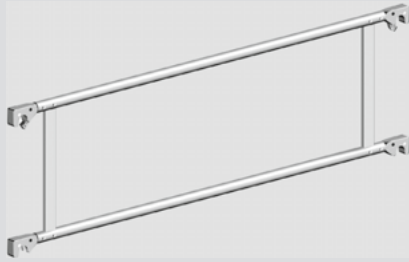
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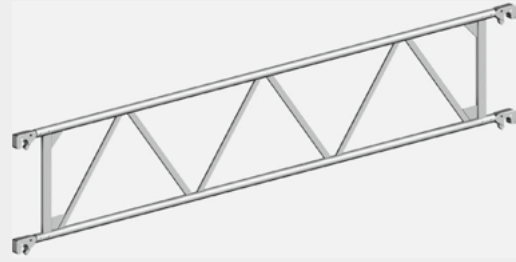
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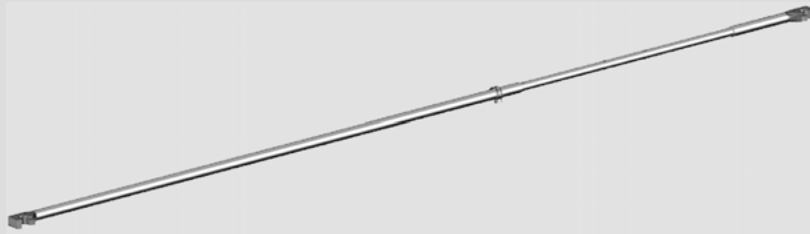
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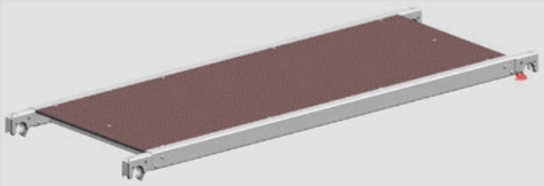
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12 + 13



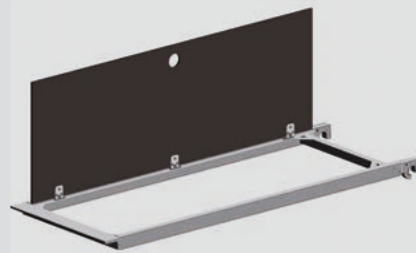
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16



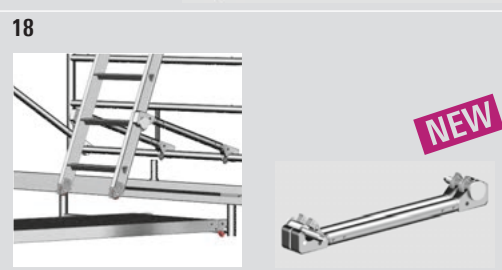
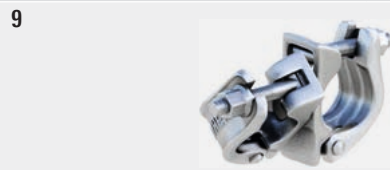
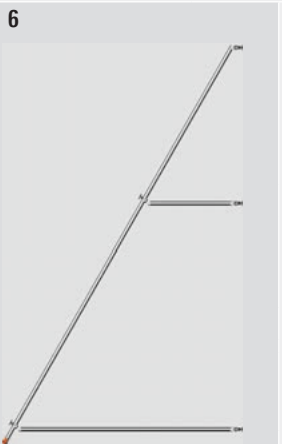
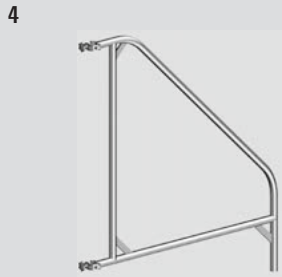
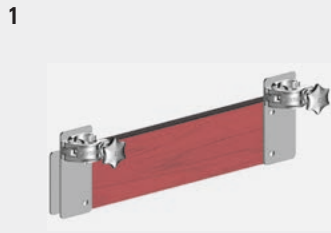
17



Pos.	Description	Dimensions L/H x B [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.							
						Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Stair	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 (BFU 100) 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 (BFU 100) with phenolic resin coating.	1.90 x 0.60	13.1		1241.190							▶
14	Stairway access deck aluminium frame, with plywood deck and hatch (BFU 100) with phenolic resin coating.	1.80 x 0.68	12.2		1243.180							▶
15	Bridging deck for twin towers. Aluminium frame, with plywood deck (BFU 100) with phenolic resin coating.	2.85 x 0.66	19.8		1343.285	🕒			▶			
16	Access deck aluminium frame, with plywood deck and hatch (BFU 100) 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	🏠			▶	▶		

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Components

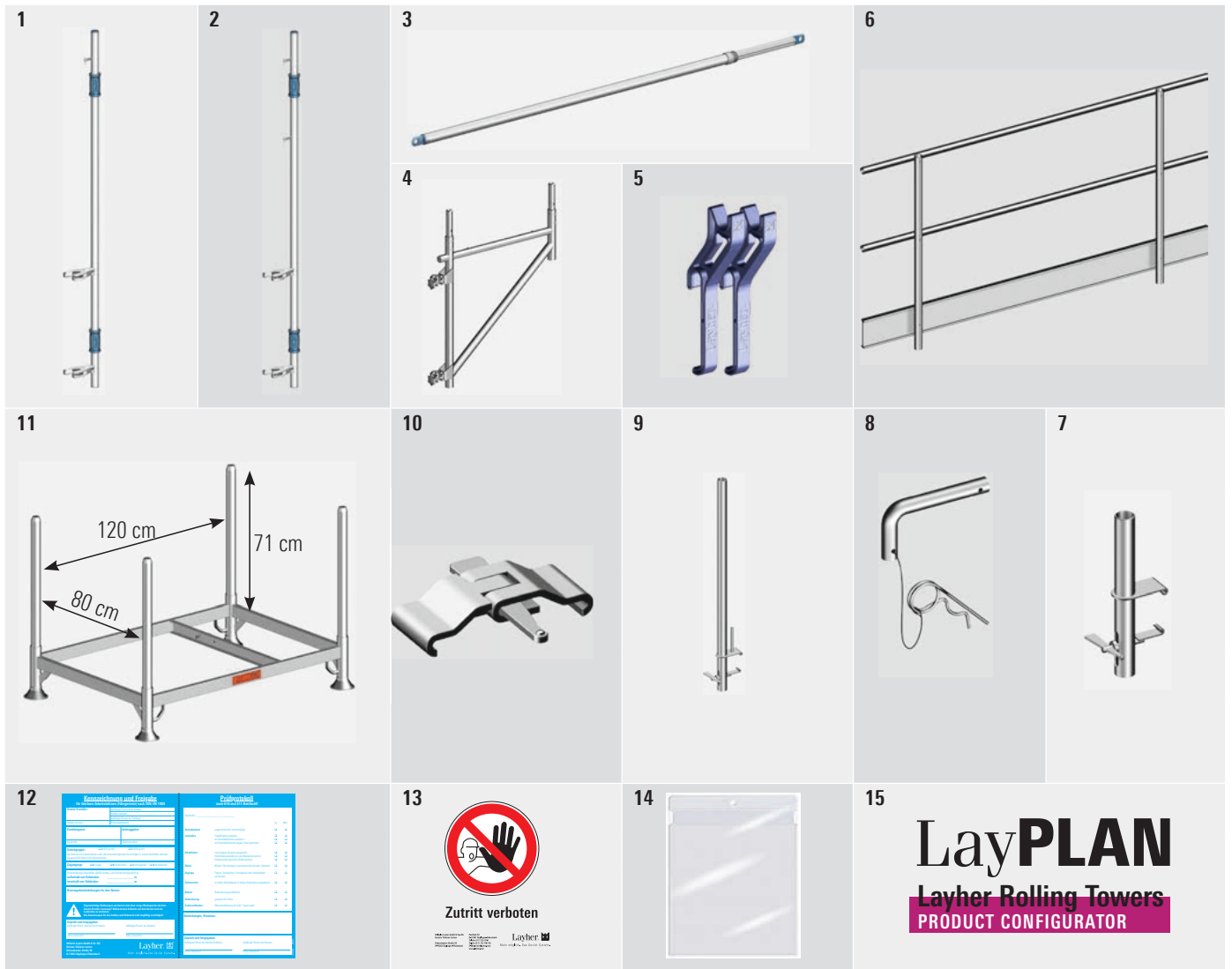


Pos.	Description	Dimensions L/H x B [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.								
						Zfa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Stair	Staro	
1	Toe board, wood for twin towers. For bridging deck.	0.60 x 0.15	3.5		1340.060	⌚			▶				
2	Toe board with claw, wood	1.80 x 0.15	3.9		1239.180		▶	▶	▶				▶
		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		▶	▶		▶			
		1.50 x 0.15	3.2		1238.144				▶		▶		
		1.90 x 0.15	3.9		1238.190								▶
4	Outrigger, aluminium for widening the bases of higher structures. Locking with horizontal diagonal brace Ref. No. 1209.285	1.50	8.2		1216.000								▶
5	Strut for outrigger, aluminium locks the outrigger Ref. No. 1216.000	3.75	5.4		1217.375	📦							▶
6	Tower support, aluminium	5.00	14.9		1248.500		▶	▶	▶	▶	▶		
7	Tower support, extendable, aluminium	2.60 - 3.40	8.5		1248.260		▶	▶	▶	▶	▶		
8	Rotation preventer, aluminium	0.5	2.8		1248.261		▶	▶	▶	▶	▶		
9	Special tower coupler, swiveling steel, galvanized		1.3		1270.019		▶	▶	▶	▶	▶	▶	
			1.3		1270.022		▶	▶	▶	▶	▶	▶	
10	Special tower coupler, rigid, steel, galvanized.		1.1		1269.019		▶	▶	▶	▶	▶	▶	
			1.1		1269.022		▶	▶	▶	▶	▶	▶	
11	Landing stairway, aluminium		15.5		1212.180								▶
12	Stairway guardrail, aluminium	1.20	1.8		1327.120	📦							▶
13	Stairway guardrail, aluminium for use for landing-type stairway Ref. No. 1213.180	3.07	3.8		1213.180								▶
14	Guardrail, aluminium for twin towers and bridging	0.58 x 0.50	4.7		1342.058	⌚				▶			
15	Ladder for Staro rolling tower, aluminium. 6 double rungs		7.8		1246.006								▶
16	Ladder support, aluminium	0.55	2.8		1313.055	📦					▶		
		1.05	3.3		1313.105	📦					▶		
17	Suspended step ladder, aluminium 8 steps, with snap-on hook and castors at the ladder base	2.20	6.8		1314.108				▶	▶			
18	Ladder support set for suspended ladder 1314.108		2.0		1314.109				▶	▶			

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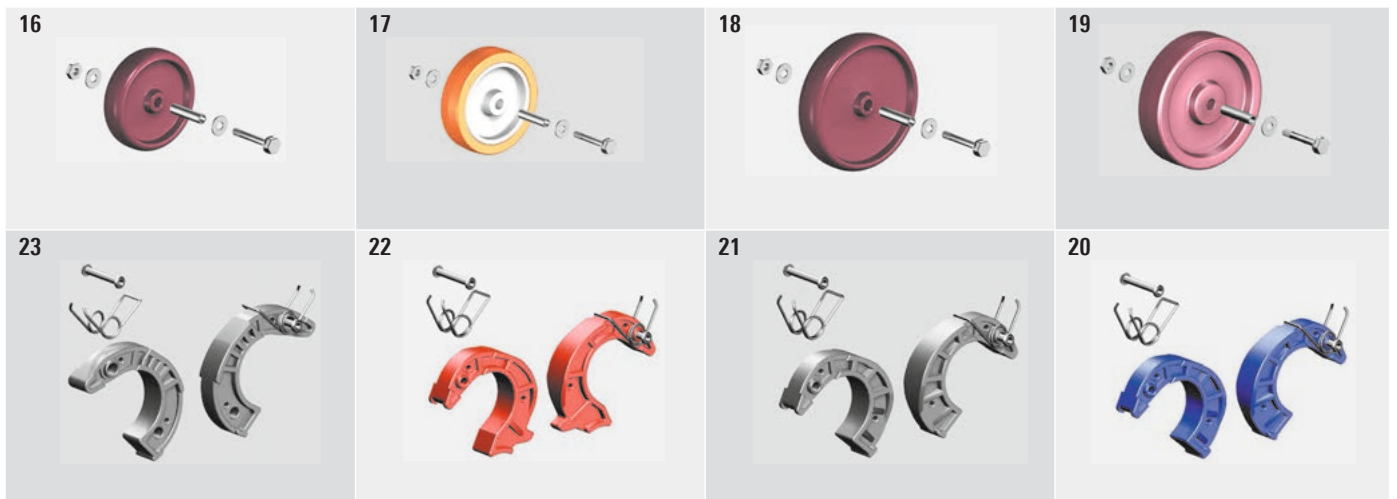
Components

Components



Spare parts

Spare parts



Pos.	Description	Dimensions L/H x B [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.									
						Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Stair	Stair	Alu br. beam 600	
1	Advance guardrail post , aluminium for one advance guardrail (1.00 m height); rapid attachment of the guardrails with tilting pins	2.26	4.2		1231.001		▶	▶	▶	▶	▶			
2	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		1231.002		▶	▶	▶	▶	▶			
3	Advance guardrail , 1.57/2.07 m Advance guardrail , 2.57/3.07 m aluminium	1.65	3.2		1231.207		▶	▶	▶					
		2.15	4.0		1231.307					▶	▶			
4	Uni assembly hook , pair		1.2		1300.001		▶	▶	▶	▶	▶			
5	Console bracket , aluminium for widening of the work platform on one or two sides		5.4		1341.075					▶	▶			
6	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									▶
7	Guardrail fixture , aluminium for fastening the double guardrail to the Alu bridging beam for Ref. No. 1332.xxx	0.50	0.9		1330.000									▶
8	Guardrail locking pin , steel for securing the double guardrail with the guardrail fixture for Ref. No. 1330.xxx		0.1		1333.000									▶
9	Guardrail mounting standard , aluminium for connecting the three-part brick guard made from scaf- folding tubes, guardrail clamps and toe board	1.20	2.4		1334.000									▶
10	Clamp , steel for connecting the Alu bridging beams Ref. No.1348.xxx		0.4		1331.000									▶
11	Tube pallet 125 steel, hot-dip galvanized, length of pallet posts: 0.86 m, Load 1500 kg	1.37 x 0.97	35.0		5105.125		▶	▶	▶	▶	▶	▶	▶	▶
12	Identification sign Block à 50 pcs.		0.5		6344.400		▶	▶	▶	▶	▶	▶	▶	▶
13	Prohibition sign		0.2		6344.202		▶	▶	▶	▶	▶	▶	▶	▶
14	See-through pocket for Ref. No. 6344.200 and 6344.202		0.1		6344.002		▶	▶	▶	▶	▶	▶	▶	▶
15	LayPLAN Rolling Tower Configurator as CD-ROM				6345.700		▶	▶	▶	▶	▶	▶	▶	▶

Spare parts

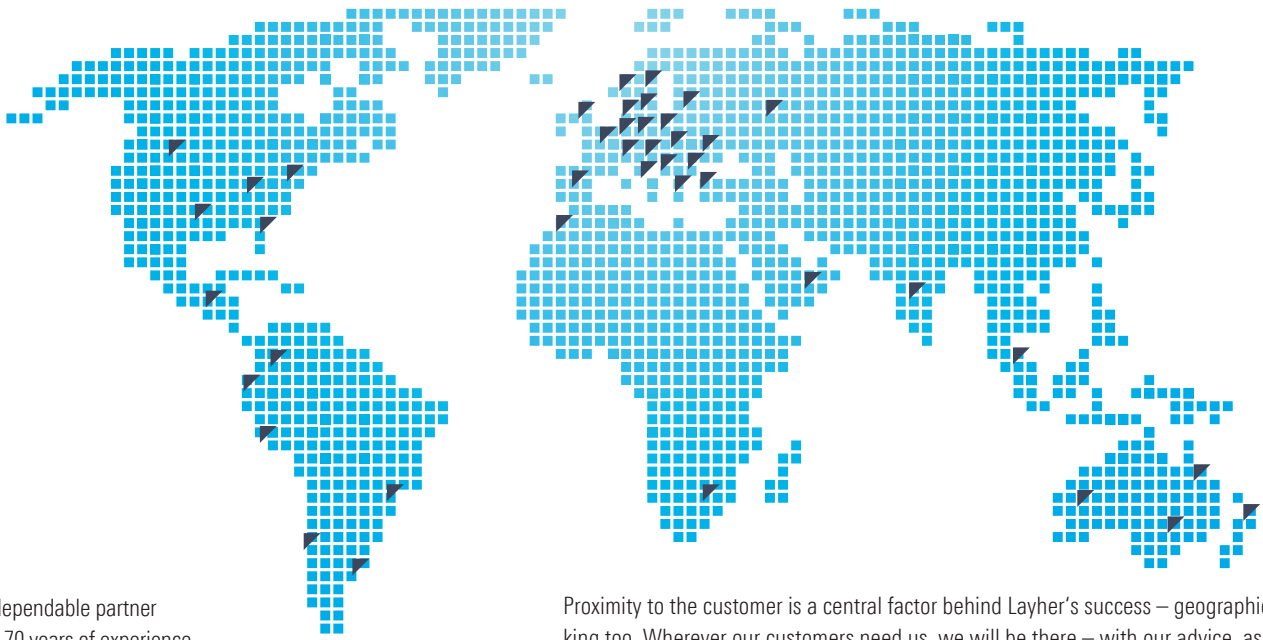
Pos.	Description	Dimensions L/H x B [m]	Weight approx. [kg]	PU [pcs.]	Ref. No.
16	Wheel including axle for castor 400	dia. 0.15	0.6		6491.511
17	Polyurethane wheel including axles for castor 400	dia. 0.15	0.6		6491.501
18	Wheel including axle for Ref. No. 1259.200	dia. 0.20	0.9		6491.512
19	Wheel including axle for Ref. No. 1260.200	dia. 0.20	1.1		6491.513
20	Finger 42 mm pair, blue complete with springs and rivets		0.2		6491.416
21	Finger 42 mm pair, grey complete with springs and rivets		0.2		6491.417
22	Finger 42 mm pair, red complete with springs and rivets		0.2		6491.418
23	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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