Layher®

More Possibilities. The Scaffolding System.

LAYHER ACCESS SOLUTIONS
CATALOGUE 2023/2024

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Quality management
certified according
to DIN EN ISO 9001

MADE IN GERMANY – MADE BY LAYHER

Headquarters in Eibensbach

Plant 2 in Gueglingen

QUALITY MADE IN GERMANY.

Quality made by Layher comes from Gueglingen-Eibensbach. Our company has set down deep local roots since it was established. Right up until today, development, production, logistics and management are all in one place. Proximity to development, logistics and administration creates benefits to our customers around the world: short ways, short response times, controlled quality and manufacturing. The production can be adapted to the requirements at short notice and to the needs of the customers.

SIMPLY SAFE. THE ACCESS SOLUTIONS.

This brand promise made by Layher is the expression of a brand philosophy that we've been living by for over 75 years. Quality assurance, future-proofing, delivery-securing, operational safety and long-lasting partnership are advantages that can be used to extend or increase your business opportunities and success in the long term. With comprehensive services, a permanent range of training courses and an ethos of customer focus, more than 1,900 dedicated Layher employees are creating more possibilities for our customers every single day. In 45 countries all over the world.

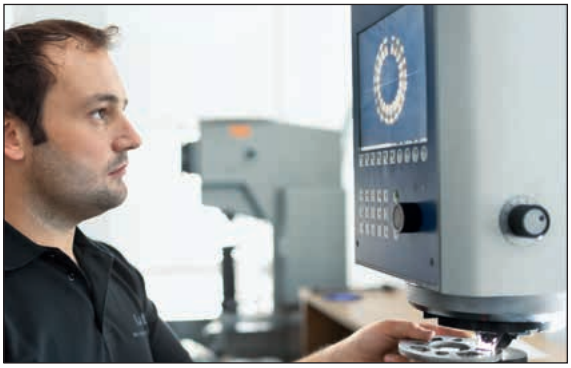
SUSTAINABILITY AT LAYHER.

We've long been acting with a clear focus, with a view to both economic and ecological sustainability in all our process steps. Social responsibility towards employees, clients and society as a whole are at the very centre of this. We're a dependable employer, active in protecting our resources. The sparing use of work materials as a feature of our sustainable approach is fundamental to how we see ourselves: we already take care to ensure sustainable building methods when planning a new production facility, for example by greening the roofs or using photovoltaic systems. We also value locations that are close by, avoiding unnecessary CO_2 emissions due to long traffic routes. The topic of sustainability is firmly embedded in Layher's organisational structure thanks to its energy management team. Their work has paid off in particular in the form of DIN EN ISO 50001 certification.

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

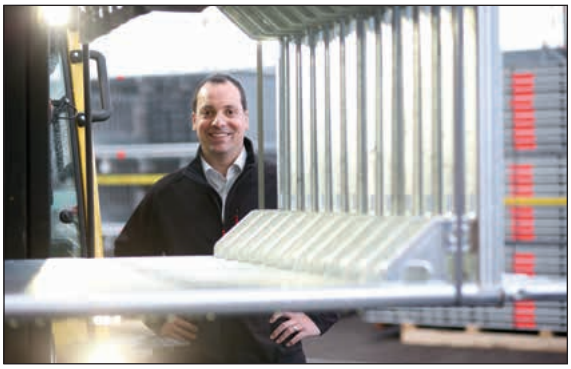
MORE SPEED

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



MORE SAFETY

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



MORE PROXIMITY

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

MORE SIMPLICITY

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

MORE FUTURE

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

Layher Lightweight: Through the use of high-tensile steel, a new production process, and an improved design, we have succeeded in minimising the weight of the core components of our systems – while maintaining or raising load-bearing capacity.

LAYHER ROLLING TOWERS

THE QUALITY IS IN THE DETAILS

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

For top performance at great heights, you need high stability. Layher has, with its consistent approach to safety and quality, designed products which conform to statutory safety requirements. Inspections by independent institutes have corroborated this. The Layher brand stands for more than 75 years of experience in the design and manufacture of rolling towers at the central production location in Gueglingen. Quality “Made by Layher” means “Made in Germany”.

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

THE BENEFITS FOR YOU

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

WHEELS

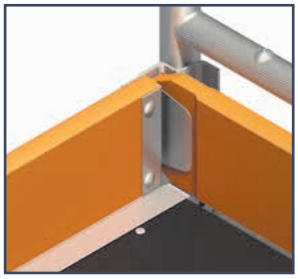
Sturdy wheels for high manoeuvrability and stable stance during work. Various wheel coatings permit use even on sensitive floor coverings. The steel base plates ensure easy and precise height equalisation while transmitting the loads centrally into the locked wheel. This improves the stability, enabling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

LADDER FRAMES

The ladder frame doubles as the scaffolding frame and as an access. The grooves of the rungs ensure maximum slip prevention and secure grip for vertical access.
The ladder frames are available in the lengths 1.00 m and 2.00 m and in the widths 0.75 m and 1.50 m.
Long and conical spigots ensure a secure and easy-action connection of the ladder frames to one another, easily made safer by spring clips.

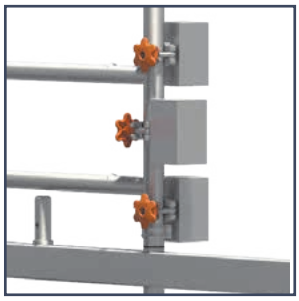
GUARDRAILS AND DIAGONAL BRACES WITH SNAP-ON CLAWS

Unbeatably fast connection without using tools. A slight pressure, and the claw snaps into place by itself.
Various colours of the claw fingers for guardrails and diagonal braces help to tell the components apart – that saves time.



DECKS

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



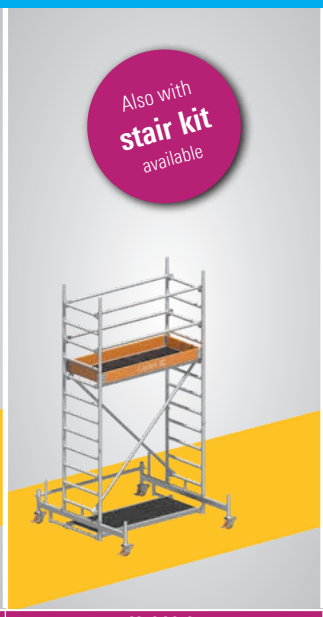
STABILITY

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

- installation of mobile beam
- use of stabilizers
- ballasting

LAYHER ROLLING TOWERS

THE RIGHT ROLLING TOWER FOR EACH TASK



Tower model	SoloTower	Zifa	Uni Light
Description / Features	Transport and assembly can be done by only one person. Thanks to the compact dimensions, transport is possible in all usual vehicles.	Fits through room doors when assembled and loaded, requires little space for transport	Ideal for cramped conditions at the place of use
Dimensions of working platform	0.75 x 1.13 m	0.75 x 1.80 m	0.75 x 1.80 m
Max. working height (in closed areas)	6.15 m	7.76 m	9.26 m
Max. working height (outdoors)	6.15 m	7.76 m	9.26 m
Permissible live load	2.0 kN / m²	2.0 kN / m²	2.0 kN / m²
Maximum permissible UDL*	150 kg	240 kg	240 kg

LAYPLAN ROLLING TOWER-CONFIGURATOR

LayPLAN CLASSIC

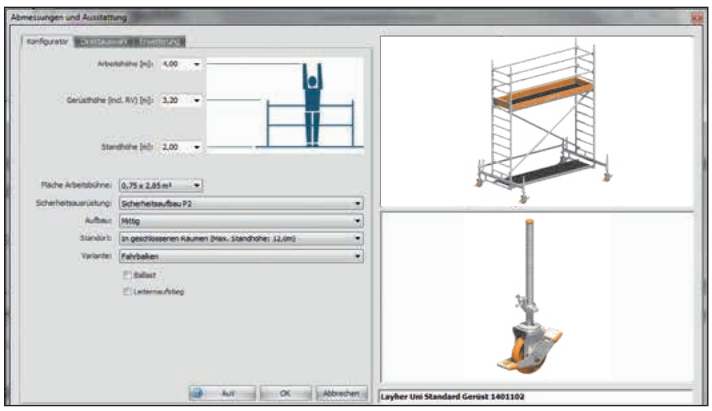
By using this LayPLAN module, it is possible to choose between standard and individual rolling tower solutions – quickly and easily. After entering of working height, the required working space and selection of the equal assembly structure, the program gives you a solution offer with pictures and material 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.

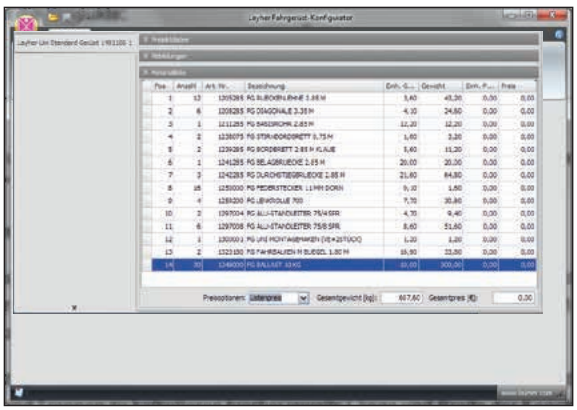
THE BENEFITS FOR YOU

- 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 Compact	Uni Standard	Uni Wide	Uni Comfort	Staro rolling tower
Double-width working surface, yet with compact outer dimensions.	Designed for maximum heights, lightweight, sturdy, durable – the flexible basic model	Double-width working surface, needs base widening only when height exceeds 8.38 m	Convenient stairway access	Excellent freedom of movement and plenty of room for material, height adjustable every 11 cm
1.50 x 1.80 m	0.75 x 2.85 m	1.50 x 2.85 m	1.50 x 1.80 m	1.95 x 1.95 m
10.38 m	13.38 m	13.38 m	14.20 m	3.90 m
9.38 m	9.38 m	9.38 m	10.20 m	3.90 m
2.0 kN / m²	2.0 kN / m²	2.0 kN / m²	2.0 kN / m²	1.5 kN / m²
485 kg	380 kg	765 kg	485 kg	570 kg

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





LayPLAN Rolling Tower Configurator

Order now for free at fg-konfigurator.layher.com

STANDARD DIN EN 1004, MOBILE WORKING PLATFORMS

AMENDMENT OF STANDARD EN 1004

The standard / rules, and hence state of the art, for mobile working platforms is the European standard:

DIN EN 1004

This standard has been subdivided into separate parts since 2021, and containing specifications for the manufacture, inspection and use of the appropriate products.

SUBDIVISION OF STANDARD DIN EN 1004:

- DIN EN 1004-1 Part 1
  - Title: "Mobile access and working towers made of prefabricated elements – Part 1: Materials, dimensions, design loads, safety and performance requirements"
  - Publication date: 01.02.2021
  - Supersedes the standard: DIN EN 1004:2005-03
- DIN EN 1004-2 Part 2
  - Title: "Mobile access and working towers made of prefabricated elements – Part 2: Rules and guidelines for the preparation of an instruction manual"
  - Publication date: 01.03.2022
  - Supersedes the standard: DIN EN 1298:1996-04

AMENDMENTS DUE TO NEW VERSION DIN EN 1004-1:2021-02

Part 1 of the new version came into effect upon the end of the transition period on 30.11.2021, after which date manufacturers may only market mobile working platforms conforming to the new version and indicating conformity to standard DIN EN 1004.

CHANGE IN SCOPE OF APPLICATION

PREVIOUSLY: The previous version of DIN EN 1004 applied for a platform height of 2.50 metres and above. Platform heights below that were governed by national rules. Even if these had been already withdrawn over the years, they were still deemed to be state of the art.

NEW: The scope of the new version now covers mobile working platforms of and above a platform height of "> 0 metres". All structures, even those below 2.50 metres, are thus taken into account and must conform to the standard in all respects, with appropriate indication thereof.

An important aspect here:

- 3-part side protection starting at platform height > 0 m

Changes in the product portfolio:

All models with a platform height below 2 metres are now designed "conforming to the standard" with 3-part side protection.

Recommendation by Layher

- New purchases always in accordance with the new standard DIN EN 1004-1:2021: Models conforming to the standard, i. e. with 3-part side protection (guardrail / guardrail at 0.5 m height / toe board)
- For expansion / retrofitting: Parts according to retrofit set table

Example:

PREVIOUSLY: Zifa Tower 1406210 NEW: Zifa Tower 1406310

MAXIMUM DISTANCE BETWEEN THE DECK SURFACES

PREVIOUSLY: In the previous version of DIN EN 1004, a maximum distance of 4.20 metres between the deck surfaces applied. This related to the models that were listed with the remark "Minimum requirement DIN EN 1004:2005".

NEW: In the new version, the maximum distance between the deck surfaces is now set at 2.25 metres. As a result, mobile working platforms not exceeding this maximum distance may be marketed in conformity to standard DIN EN 1004-1:2021. These requirements have already been met by models with Safety Assembly P2 since 2009, and therefore are and remain in conformity to the standard – even after amendment.

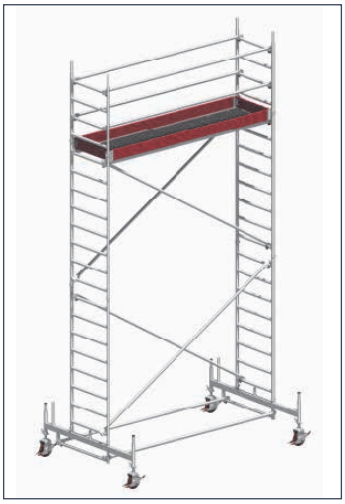
Changes in the product portfolio:

All models previously listed with the remark "Minimum requirement DIN EN 1004:2005" will no longer be advertised and marketed with the indication of conformity to standard DIN EN 1004-1:2021.

Recommendation by Layher

- New purchases always in accordance with the new standard DIN EN 1004-1:2021: Models conforming to standard DIN EN 1004-1:2021 with Safety Assembly P2 (as since 2009, but now conforming to the standard only in this form)
- For expansion / retrofitting: Parts according to retrofit set table

PREVIOUSLY: Uni Standard 1104 NEW: Uni Standard 1401104



AMENDMENTS DUE TO NEW VERSION DIN EN 1004-2:2022-03

Part 2 of the new version came into effect on 01.03.2022 with a transition period until 01.05.2022. After that date, the manufacturers may only prepare instructions for assembly and use conforming to this new version.

REQUIREMENTS FOR ASSEMBLY AND DISMANTLING PROCESSES IN THE INSTRUCTIONS FOR ASSEMBLY AND USE

PREVIOUSLY: The previous standard DIN EN 1298:1996-04 required that the procedure for construction of the mobile working platform be described in the instructions for assembly and use. The intention here was to explain assembly and dismantling to the user in an understandable way and to indicate potential risks arising from non-compliance.

NEW: In the new version DIN EN 1004-2:2022-03 which supersedes the standard DIN EN 1298:1996-04, it is required from the manufacturer of mobile working platforms that the description of assembly and dismantling incorporates the following passage when the instructions for assembly and use are drafted:

> **"The assembly and dismantling processes must ensure that no person may stand on a platform without guardrail and intermediate side protection.** *For example by a lower platform with guardrail and intermediate side protection* ***or by another method having the same effectiveness."*** *(see Fig. 1)*

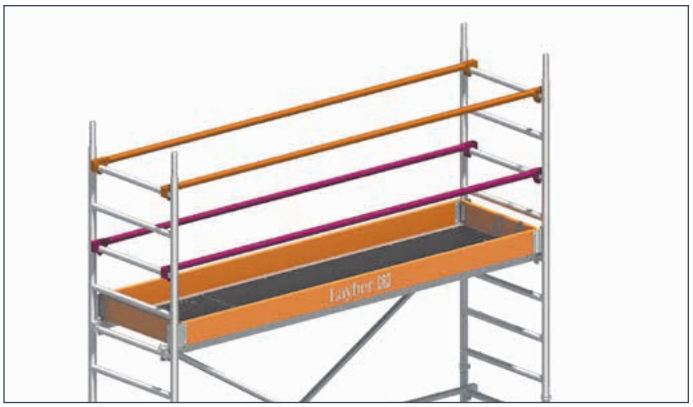


Fig. 1

Guardrail = guardrail at 1 m height
Intermediate side protection = guardrail at 0.5 m height (knee height)

Taking into account this amendment, guardrails in the form of handrails at 1 m height, for the Safety Assembly P2 process deemed SAFE for years, are now no longer sufficient and must be supplemented by intermediate guardrails at 0.5 m height before access to the level to be constructed.

Changes in the product portfolio:
The amendment to the standard does not affect the product portfolio.

Changer for the user when assembling and dismantling:
Fitting and removing of the intermediate guardrails will in future be performed in a sitting position from the hatch *(see Fig. 2)*.
Fitting of the additional guardrails permits access to the respective level in its state with 2-part side protection all round. The instructions for assembly and use have been supplemented with additional steps for description in conformity with the standard of the fitting and removal of intermediate guardrails during the assembly and dismantling procedure. For Safety Assembly P2, only the updated instructions for assembly and use remain valid after the standard has come into effect.

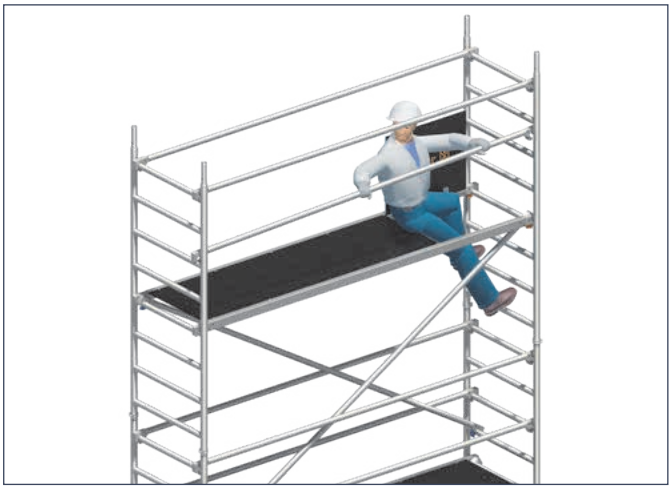


Fig. 2

WHAT DO THE AMENDMENTS TO STANDARD DIN EN 1004-2 MEAN FOR DEALERS?

Mobile working platforms marketed in the past remain, even after publication of the new version of the standard, in conformity with the standard and do not become dangerous or unsafe per se. All components can still be advertised and marketed without restriction.

- To ensure that health and safety are protected during use of the products for their intended purpose and in conformity with the standard, Layher continues to recommend Safety Assembly P2 with the amended assembly and dismantling procedure in accordance with the amended instructions for assembly and use.

WHAT DOES THE AMENDMENT TO STANDARD DIN EN 1004-2 MEAN FOR END USERS?

Newly purchased or already stocked mobile working platforms can be used / can continue to be used without restrictions while taking into account Safety Assembly P2. Assembly and dismantling must be performed in future in accordance with the updated instructions for assembly and use.

- For users already applying Safety Assembly P2, there is no need to change their stocks. There are thus no costs incurred by the amendment of Part 2 of the standard.
- To be and remain up to date in respect of both statutory and in particular safety requirements and also in respect of the state of the art, and also to ensure use of products for their intended purpose and in conformity with the standard, Layher recommends when purchasing new mobile working platforms to use Safety Assembly P2 or models having indication of conformity to standard DIN EN 1004-1:2021 = "Safety Included". Layher further recommends checking and where necessary adaptation of the risk assessment and where necessary to upgrade existing stocks using the retrofit sets, and also to perform assembly and dismantling in accordance with the updated instructions for assembly and use.

More safety, when using Layher rolling towers

Because of the standard changes, which are described on the previous pages and because of European industrial safety laws, you as an employer must ensure that your workforce is only provided with equipment that, when used for its intended purpose, guarantees both safety and health protection. Appropriate safety measures have to be taken by you. Collective risk prevention takes precedence here over individual risk prevention.

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

The Safety Structure P2

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

Thanks to the platforms assembled with a 2 meter spacing, the rear guardrails can already be fitted from the level below. Additionally intermediate guardrails are fitted through the trapdoor. By doing so, there is already a two-part side protection when the next platform is accessed.

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 FOR YOU

The ingeniously simple assembly principle

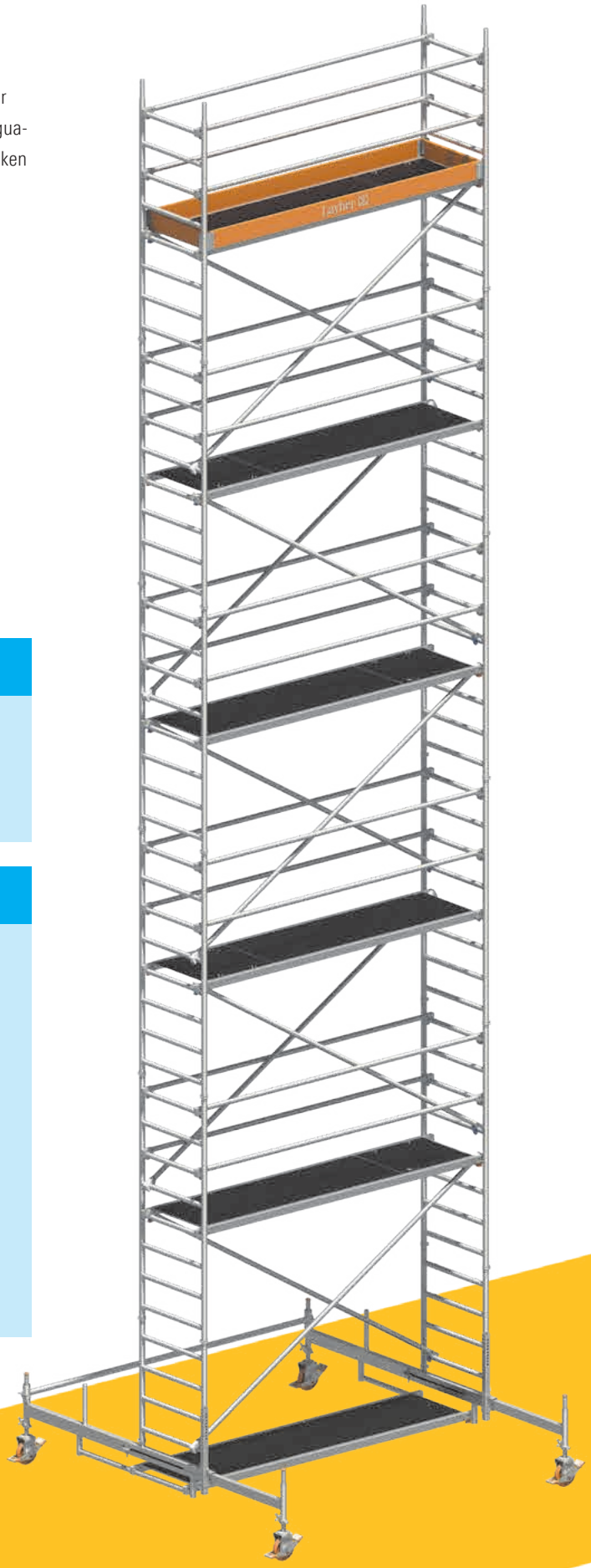
- All round side protection already in place when accessing the next platform up.
- More stability in the rolling tower thanks to additional stiffeners.

Platforms spaced 2 meters apart:

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

The innovative Uni assembly hook:

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

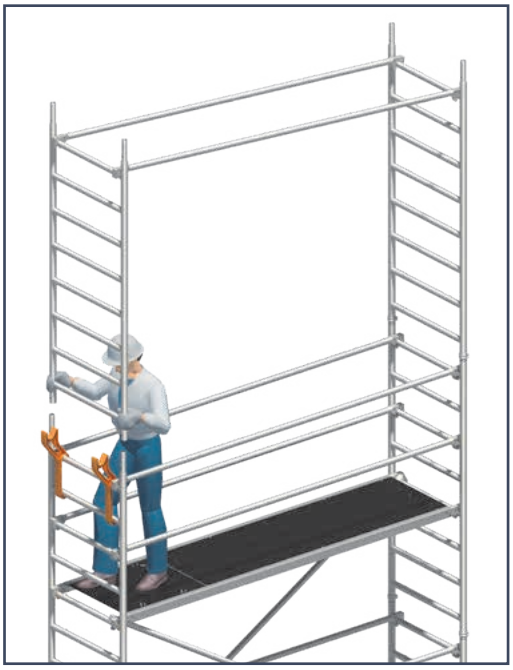


The principle – Simple. Swift. Safe.

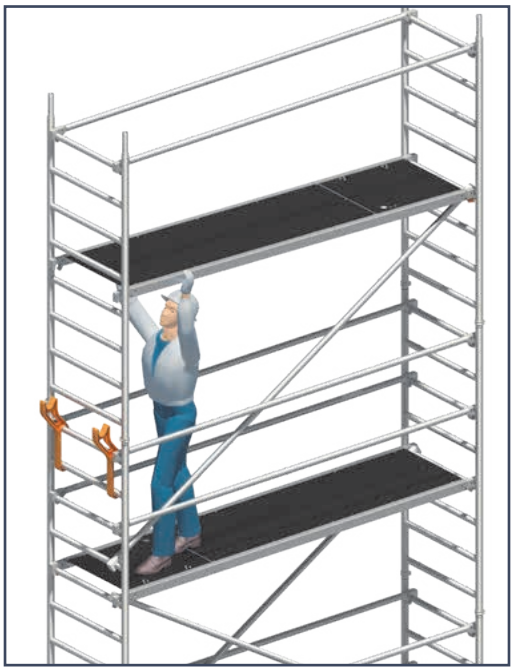
1 Fit the first ladder frame.

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

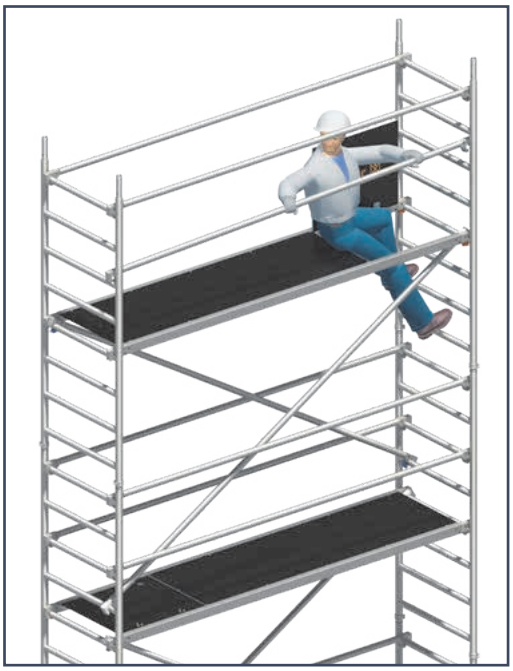
2 Swing ladder frame with rear guardrail upwards and fit into place.



3 Insert diagonal braces and access deck.

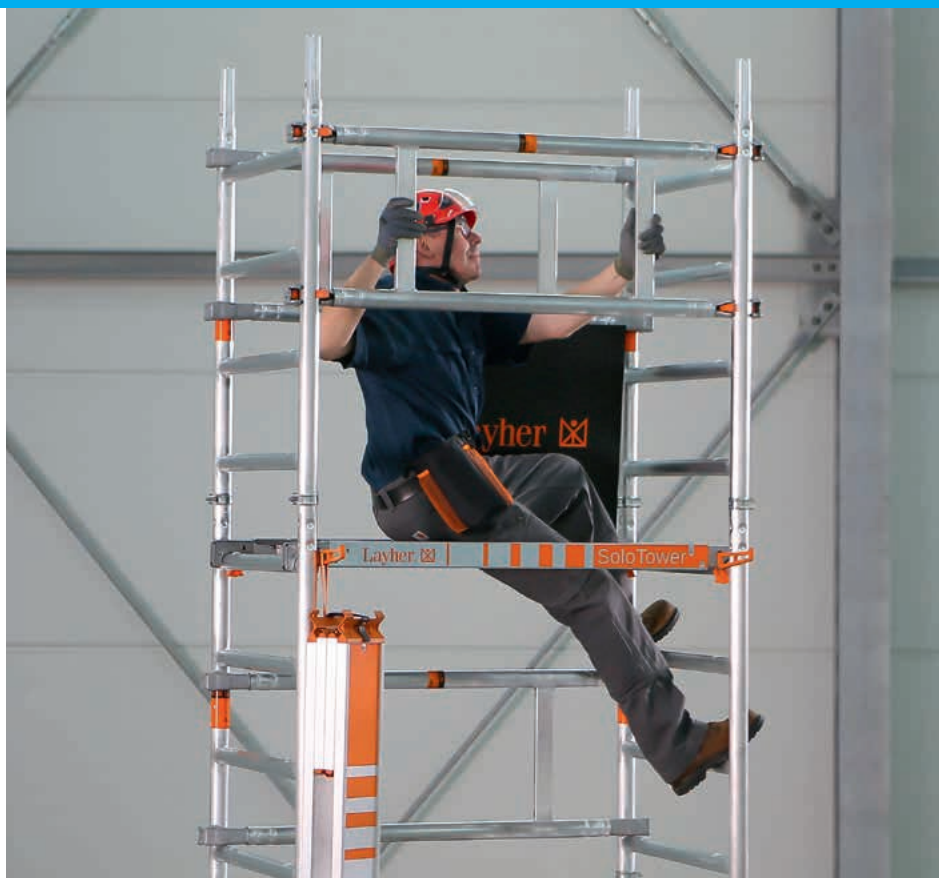


4 Fitting the intermediate guardrails through the trapdoor.



SOLOTOWER

FASTER, EASIER AND SAFER ASSEMBLY BY ONE PERSON



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

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

This additional economic burden is avoided by using the SoloTower.

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

TECHNICAL DATA

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

LOGISTICS

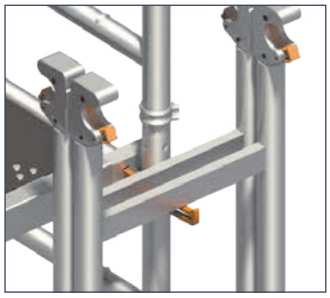
The compact dimensions of all components permit economical and efficient logistics for storage and transport and at the site. A few of the components are used to construct, without any tools, a "transport trolley" in which the other scaffolding parts can be moved quickly and ergonomically to the intended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

SAFE ASSEMBLY AND DISMANTLING

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

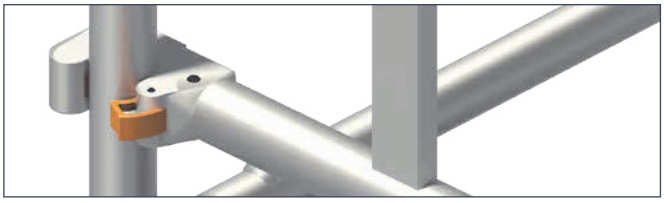
SINGLE-PERSON ASSEMBLY

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



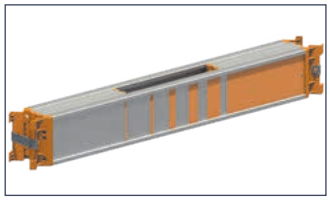
TOOL-FREE ASSEMBLY

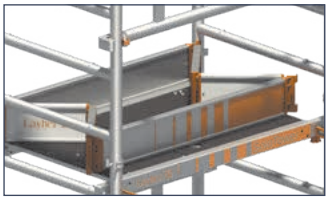
Layher's proven connection technology using the snap-on claw permits the accustomed tool-free, fast and easy assembly of the sturdy aluminium components. Layher rolling tower components are synonymous with durability and stability.



TOE BOARD UNIT

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



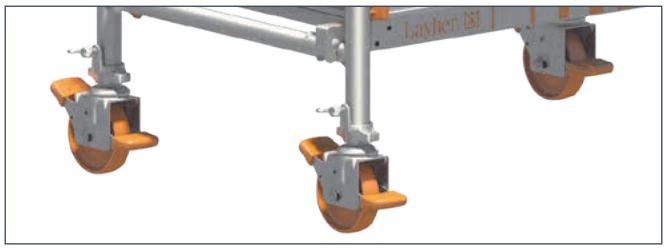


TELESCOPING STABILIZERS

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

WHEELS

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

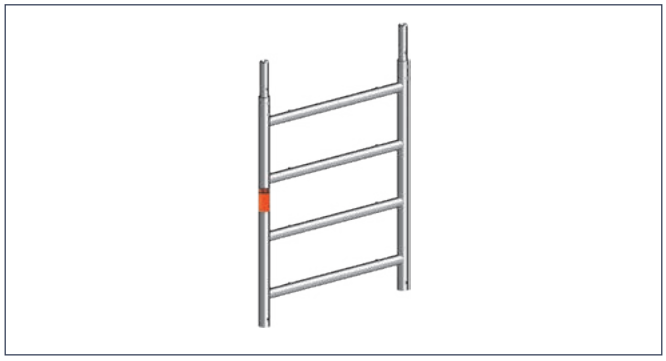


QUALITY AND SAFETY

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

ECONOMIC EFFICIENCY

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



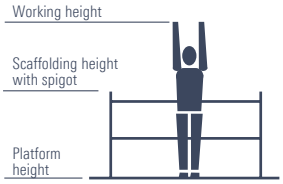
SoloTower

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	1600102	1600103	1600104
Toe board unit 1.13 m x 0.75 m	1240.113	1	1	1
SoloTower access deck 1.13 m	1242.113	1	2	2
Telescoping stabilizer - 1.25 m	1248.000	4	4	4
Rotation preventer for stabilizers	1248.261	4	4	4
Spring clip	1250.000	8	12	16
Ladder frame 75/4 - 1.00 m	1297.004	6	8	10
SoloTower assembly hook (set 4 pieces)	1300.002	1	1	1
SoloTower assembly bag	1300.003	1	1	1
Castor	1300.150	4	4	4
Double guardrail	1342.113	4	6	7
Ballast	1249.000	For requirement see table below		

Conforms to standard **DIN EN 1004:2021**



SoloTower

Tower model	1600102 SoloTower aluminium rolling tower	1600103 SoloTower aluminium rolling tower	1600104 SoloTower aluminium rolling tower
Working height [m]	4.15	5.15	6.15
Tower height [m]	3.38	4.38	5.38
Platform height [m]	2.15	3.15	4.15
Weight [kg] (without ballast)	118.8	151.9	167.6
Ballast (stated in units)			
In closed areas			
Assembly central	0	0	0
Assembly off-set	L0 R5	L0 R8	L0 R10
Assembly off-set with wall bracing	0	0	0
Outdoors			
Assembly central	0	0	0
Assembly off-set	L0 R5	L0 R8	L0 R10
Assembly off-set with wall bracing	0	0	0

X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assemby 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.

SOLOTOWER WITH TELESCOPIC GUARDRAIL

A HELPFUL ADDITION FOR ROLLING TOWERS

The Layher SoloTower with 4.15 m work height and system integrated advanced guardrails.

To keep the investment costs of the users as low as possible, Layher expanded the SoloTower with an additional assembly variant – SoloTower with telescopic guardrails. Additionally to the well-known assembly variant with 3T-method, the SoloTower with telescopic guardrails enhances the support of the German BG Bau.




Tower model	1600202 Aluminum rolling tower with telescopic guardrail
Working height [m]	4.15
Tower height [m]	3.38
Platform height [m]	2.15
Weight [kg] (without ballast)	121.1
Ballast (stated in units)	
In closed areas	
Assembly central	0
Assembly off-set	L0 R5
Assembly off-set with wall bracing	0
Outdoors	
Assembly central	0
Assembly off-set	L0 R5
Assembly off-set with wall bracing	0

Tower model	Ref. No.	1600202
SoloTower telescopic guardrail 1.13 m	1204.113	4
Toe board unit 1.13 m x 0.75 m	1240.113	1
SoloTower access deck 1.13 m	1242.113	1
Telescoping stabilizer - 1.25 m	1248.000	4
Rotation preventer for stabilizers	1248.261	4
Spring clip	1250.000	8
Ladder frame 75/4 - 1.00 m	1297.004	6
SoloTower assembly hook (set 4 pieces)	1300.002	1
SoloTower assembly bag	1300.003	1
Uni assembly hook	1300.010	2
Castor	1300.150	4
Double guardrail	1342.113	2
Ballast	1249.000	For requirement see table above

SOLOTOWER STAIR KIT SOLUTION

THE ADDITIONAL KIT FOR YOUR SOLOTOWER

The stair kit for the SoloTower permits safer use of rolling towers inside stairwells while ensuring flexible working. By expanding standard rolling tower models with a few individual components, the SoloTower offers in combination with the stair kit an economically smarter, swifter and safer alternative for working at heights, and in particular an alternative to rung ladders, which are now only usable to a limited extent due to current occupational safety regulations.

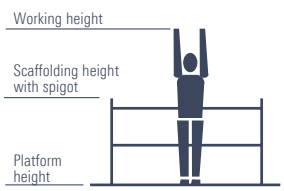
		SoloTower stair kit TYPE 1	SoloTower stair kit TYPE 2
Tower model	**Ref. No.**	**1600001**	**1600003**
Suspended ladder for passageway ladder frame	1247.006	0	1
Adjustable base plate 60 with lock	1257.060	4	4
Tele distance tube 1.25 m	1275.001	2	2
Passageway ladder frame 75/8 - 2.00 m	1296.008	1	2
Ladder frame 75/2 - 0.50 m	1297.002	1	1
Rubber underlay for base plate	4000.500	4	4
Double coupler	4700.019	4	4
Hand wheel with bush	6491.422	8	8

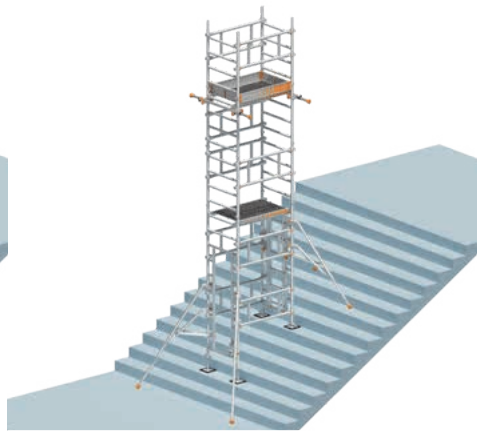
THE BENEFITS FOR YOU

- Use of rolling towers in stairwells up to platform height of 5 m.
- Passageways to suit the site – complete blocking off of the stair not needed.
- Passageway also as entrance for upward access.
- Adaptation to stair steps – riser and tread – is possible.
- Single-person assembly.

SOLOTOWER WITH STAIR KIT SOLUTION

THE COMPLETE KITS WITH STAIR SOLUTION





Tower model	1600193 SoloTower aluminium rolling tower	1600195 SoloTower aluminium rolling tower
Working height [m]	4.65	6.65
Tower height [m]	3.88	5.88
Platform height [m]	2.65	4.65
Weight [kg] (without ballast)	150.3	199.1
Ballast (stated in units)		
In closed areas		
Assembly central	l3 r3	l7 r7
Structure with restraint between the walls	0	0
Assembly off-set with wall bracing	l8 r0	l16 r0

Tower model	Ref. No.	1600193	1600195
Toe board unit 1.13 m x 0.75 m	1240.113	1	1
SoloTower access deck 1.13 m	1242.113	1	2
Suspended ladder for passageway ladder frame	1247.006	1	1
Telescoping stabilizer - 1.25 m	1248.000	4	4
Rotation preventer for stabilizers	1248.261	4	4
Spring clip	1250.000	6	14
Adjustable base plate 60 with lock	1257.060	4	4
Tele distance tube 1.25 m	1275.001	2	2
Passageway ladder frame 75/8 - 2.00 m	1296.008	2	2
Ladder frame 75/2 - 0.50 m	1297.002	1	1
Ladder frame 75/4 - 1.00 m	1297.004	2	6
SoloTower assembly hook (set 4 pieces)	1300.002	1	1
SoloTower assembly bag	1300.003	1	1
Double guardrail	1342.113	6	9
Rubber underlay for base plate	4000.500	4	4
Double coupler	4700.019	4	4
Hand wheel with bush	6491.422	8	8
Ballast	1249.000	For requirement see table above	

ZIFA

THE READY-MADE TOWER FOR WORKING AT LOW HEIGHTS

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

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

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

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

Strong castors (permanently fitted) ensure particular stability.

The zifa family can also be equipped with stabilizers.
Learn more about that on page 64.

TECHNICAL DATA

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


Layher

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

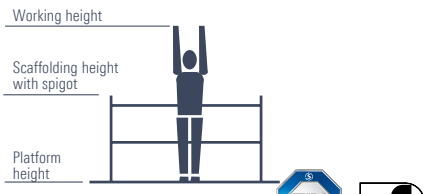
Tower model	Ref. No.	1406200	1406210	1406213	1406214	1406215	1406216	1406300	1406310
Guardrail 1.80 m	1205.180	0	2	4	9	8	13	3	4
Diagonal brace 2.50 m	1208.180	0	0	1	2	4	4	0	0
Diagonal brace 1.95 m	1208.195	0	0	0	1	0	1	0	0
Basic tube 1.80 m	1211.180	0	0	1	1	1	1	0	0
Deck 1.80 m	1241.180	1	0	1	0	1	0	1	0
Access deck 1.80 m	1242.180	0	1	1	2	2	3	0	1
Spring clip	1250.000	0	4	8	12	12	16	0	4
Ladder frame 75/4 - 1.00 m	1297.004	0	2	0	2	0	2	0	2
Ladder frame 75/8 - 2.00 m	1297.008	0	0	2	2	4	4	0	0
Zifa 75 basic tower 1.80 m x 0.75 m	1300.006	1	1	1	1	1	1	1	1
Uni assembly hook	1300.010	0	0	1	1	1	1	0	0
Castor 400 - 4 kN	1301.150	4	4	4	4	4	4	4	4
Mobile beam 1.80 m with bar	1323.180	0	0	2	2	2	2	0	0
End toe board 0.75 m	1438.075	0	0	2	2	2	2	2	2
Toe board 1.80 m with claw	1439.180	0	0	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below							

Retrofitting table

Simply safe with the P2 retrofit kits: The rollings can be easily retrofitted to the safety structure P2, to conform to the current standards.

Retrofit set	Ref. No.	1400035
for tower model		1406210
Guardrail 1.80 m	1205.180	2
End toe board 0.75 m	1438.075	2
Toe board 1.80 m with claw	1439.180	2

* Any mobile beam 1.80 m (1214.180) in stock can remain in use.
Any double guardrails (1206.180) available can also remain in use.



The Zifa family

Tower model	1406200 Zifa P2	1406210 Zifa P2
Working height [m]	2.86	3.61
Tower height [m]	2.09	2.84
Platform height [m]	0.86	1.61
Weight [kg] (without ballast)	41.9	59.7
Ballast (stated in units)		
In closed areas		
Assembly central	l4 r4	l6 r6
Assembly off-set	X	X
Assembly off-set with wall bracing	l4 r0	l6 r0
Outdoors		
Assembly central	l4 r4	l6 r6
Assembly off-set	X	X
Assembly off-set with wall bracing	l4 r0	l6 r0

The product shown (Ref. no. 1406210) is only standard-compliant by purchasing the retrofit set (Ref. nos. 1400035) according to DIN EN 1004:2021.

* The here shown ballasting is only necessary when climbing outsides.
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 assemby 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.

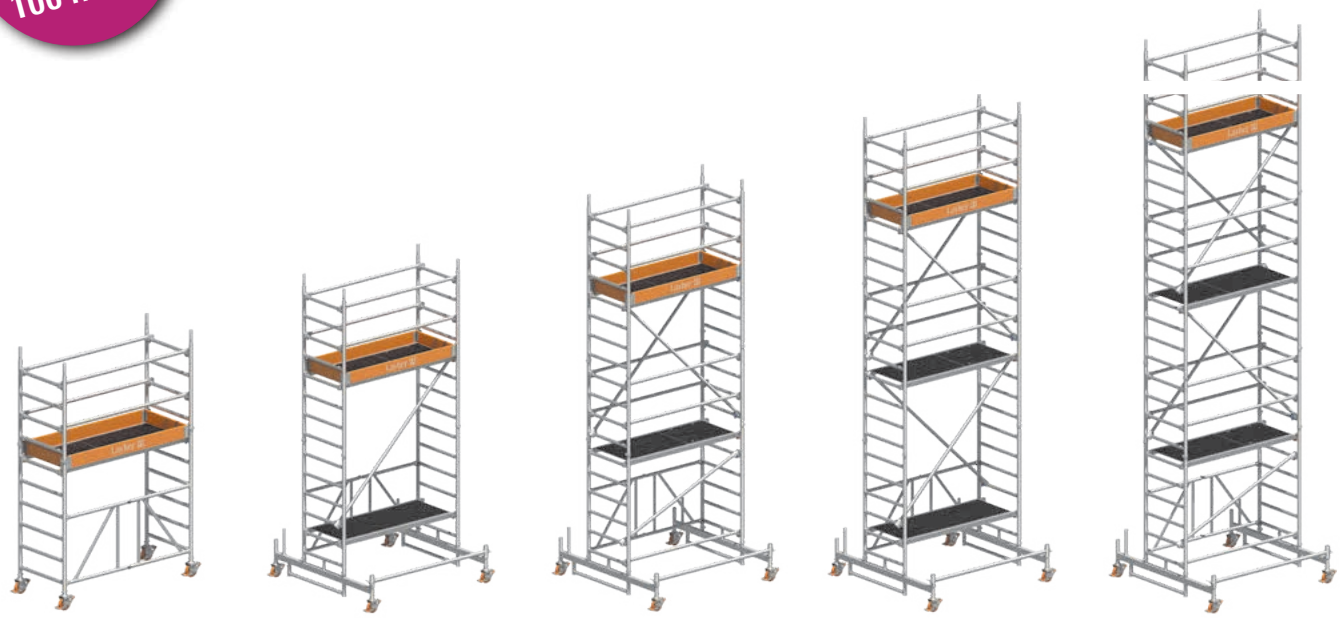
SAFETY ASSEMBLY

- Conforms to standard **DIN EN 1004:2021**
- Platform in vertical spacing of 2 m
- Collective side protection
- Quick and easy assembly

RETROFITTABLE USING THE LAYHER MODULAR SYSTEM

If you already possess a Layher Rolling Tower, then you can convert it into the P2 variant without difficulty.

Conforms to standard **DIN EN 1004:2021**



1406310 Zifa P2	**1406213** Zifa P2	**1406214** Zifa P2	**1406215** Zifa P2	**1406216** Zifa P2
3.61	4.76	5.76	6.76	7.76
2.84	3.99	4.99	5.99	6.99
1.61	2.76	3.76	4.76	5.76
75.9	141.7	170.8	193.4	219.2
I6 r6	0 0	I2 r2	I4 r4	I4 r4
X	L0 R2	L0 R4	L0 R6	L0 R8
I6 r0	0 0	L2 R0	L6 R0	L8 R0
I6 r6	0 0	I2 r2	I4 r4	I4 r4
X	L0 R2	L0 R6	L0 R8	X
I6 r0	0 0	L4 R0	L8 R0	L16 R0

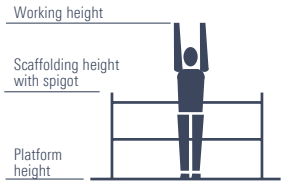
Zifa with stabilizers, extendable

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	1406233	1406234	1406235	1406236	1406237
Guardrail 1.80 m	1205.180	4	9	8	13	12
Diagonal brace 2.50 m	1208.180	1	2	4	4	6
Diagonal brace 1.95 m	1208.195	0	1	0	1	0
Deck 1.80 m	1241.180	1	0	1	0	1
Access deck 1.80 m	1242.180	1	2	2	3	3
Telescoping stabilizer - 2.60m	1248.260	4	4	4	4	4
Rotation preventer for stabilizers	1248.261	4	4	4	4	4
Spring clip	1250.000	4	8	8	12	12
Ladder frame 75/4 - 1.00 m	1297.004	0	2	0	2	0
Ladder frame 75/8 - 2.00 m	1297.008	2	2	4	4	6
Zifa 75 basic tower 1.80 m x 0.75 m	1300.006	1	1	1	1	1
Uni assembly hook	1300.010	1	1	1	1	1
Castor 400 - 4 kN	1301.150	4	4	4	4	4
End toe board 0.75 m	1438.075	2	2	2	2	2
Toe board 1.80 m with claw	1439.180	2	2	2	2	2
Ballast	1249.000	For requirement see table below				

Conforms to standard **DIN EN 1004:2021**



The Zifa family

Tower model	1406233 Zifa P2 with stabilizers	1406234 Zifa P2 with stabilizers
Working height [m]	4.61	5.61
Tower height [m]	3.84	4.84
Platform height [m]	2.61	3.61
Weight [kg] (without ballast)	144.6	174.1
Ballast (stated in units)		
In closed areas		
Assembly central	0	0
Assembly off-set	L0 R4	L0 R6
Assembly off-set with wall bracing	0	0
Outdoors		
Assembly central	0	0
Assembly off-set	L0 R6	L0 R10
Assembly off-set with wall bracing	0	0

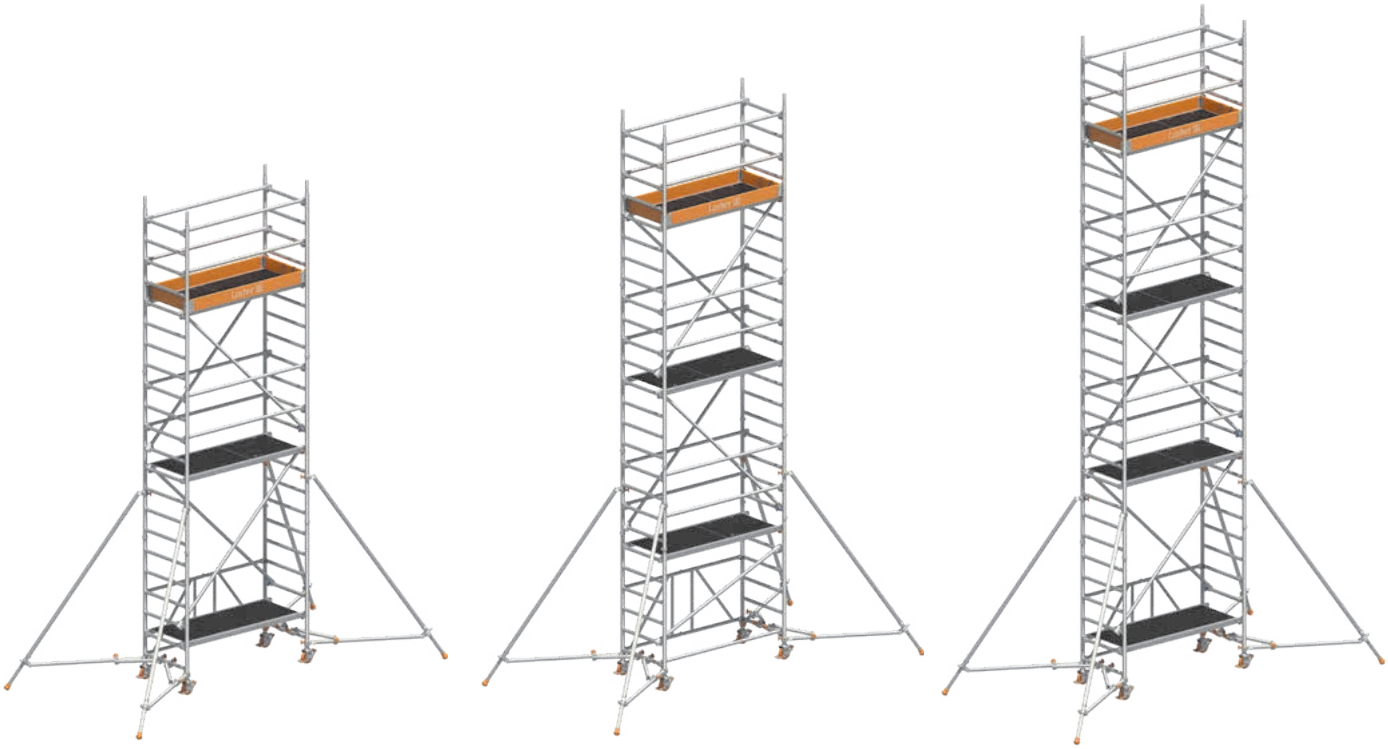
X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assemby 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.

SAFETY ASSEMBLY

- Conforms to standard **DIN EN 1004:2021**
- Platform in vertical spacing of 2 m
- Collective side protection
- Quick and easy assembly

RETROFITTABLE USING THE LAYHER MODULAR SYSTEM

If you already possess a Layher Rolling Tower, then you can convert it into the P2 variant without difficulty.



1406235 Zifa P2 with stabilizers	**1406236** Zifa P2 with stabilizers	**1406237** Zifa P2 with stabilizers
6.61	7.61	8.61
5.84	6.84	7.84
4.61	5.61	6.61
196.7	222.5	245.1
0	I2 r2	I2 r2
L0 R8	L0 R10	L0 R14
0	0	0
I2 r2	I4 r4	I8 r8
L0 R12	L0 R18	L0 R22
0	0	0

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 safer and comfortable working wherever you formerly needed a ladder – the standing surface of a full 1.30 m² permits unimpeded movement and the carrying of tools and material.

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

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

Strong castors (permanently fitted) ensure particular stability.

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

The Uni Light family can also be equipped with stabilizers.
Learn more about that on page 70.

TECHNICAL DATA

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


Layher

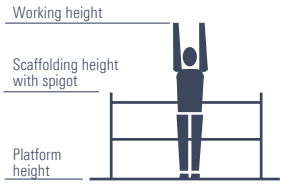
Uni Light

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	1403201	1403202	1403203	1403204	1403205	1403206	1403207
Guardrail 1.80 m	1205.180	0	4	9	8	13	12	17
Double guardrail 1.80 m	1206.180	2	0	0	0	0	0	0
Diagonal brace 2.50 m	1208.180	0	2	2	4	4	6	6
Diagonal brace 1.95 m	1208.195	0	0	2	0	2	0	2
Basic tube 1.80 m	1211.180	0	1	1	1	1	1	1
Deck 1.80 m	1241.180	0	1	0	1	0	1	0
Access deck 1.80 m	1242.180	1	1	2	2	3	3	4
Spring clip	1250.000	0	8	8	12	12	16	16
Ladder frame 75/4 - 1.00 m	1297.004	0	2	0	2	0	2	0
Ladder frame 75/8 - 2.00 m	1297.008	2	2	4	4	6	6	8
Uni assembly hook	1300.010	0	1	1	1	1	1	1
Castor 400 - 4 kN	1301.150	4	4	4	4	4	4	4
Mobile beam 1.80 m with bar	1323.180	0	2	2	2	2	2	2
End toe board 0.75 m	1438.075	2	2	2	2	2	2	2
Toe board 1.80 m with claw	1439.180	2	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below						

Conforms to standard **DIN EN 1004:2021**



The Uni Light family

Tower model	1403201 Uni Light P2	1403202 Uni Light P2	1403203 Uni Light P2
Working height [m]	3.11	4.26	5.26
Tower height [m]	2.34	3.49	4.49
Platfrom height [m]	1.11	2.26	3.26
Weight [kg] (without ballast)	65.5	134.2	160.8
Ballast (stated in units)			
In closed areas			
Assembly central	l4 r4	0	0
Assembly off-set	X	0	L0 R2
Assembly off-set with wall bracing	X	0	0
Outdoors			
Assembly central	l4 r4	0	0
Assembly off-set	X	0	L0 R4
Assembly off-set with wall bracing	X	0	0

* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

SAFETY ASSEMBLY

- Conforms to standard **DIN EN 1004:2021**
- Platform in vertical spacing of 2 m
- Collective side protection
- Quick and easy assembly

RETROFITTABLE USING THE LAYHER MODULAR SYSTEM

If you already possess a Layher Rolling Tower, then you can convert it into the P2 variant without difficulty.

1403204 Uni Light P2	**1403205** Uni Light P2	**1403206** Uni Light P2	**1403207** Uni Light P2
6.26	7.26	8.26	9.26
5.49	6.49	7.49	8.49
4.26	5.26	6.26	7.26
182.6	209.2	231.0	257.6
I2 r2	I3 r3	I5 r5	I6 r6
L0 R4	L0 R6	L2 R8	L2 R10
L2 R2	L4 R2	L6 R4	L6 R6
I3 r3	I5 r5	I9 r9	I13 r13
L0 R6	L0 R10	L4 R14	X
L4 R2	L6 R4	L10 R8	X

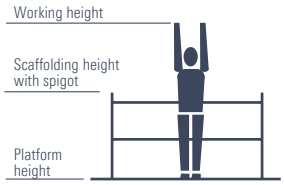
Uni Light with stabilizers, extendable

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	1403223	1403224	1403225	1403226	1403227
Guardrail 1.80 m	1205.180	10	10	14	14	18
Diagonal brace 2.50 m	1208.180	2	4	4	6	6
Diagonal brace 1.95 m	1208.195	2	0	2	0	2
Access deck 1.80 m	1242.180	2	2	3	3	4
Telescoping stabilizer - 2.60m	1248.260	4	4	4	4	4
Rotation preventer for stabilizers	1248.261	4	4	4	4	4
Spring clip	1250.000	4	8	8	12	12
Ladder frame 75/4 - 1.00 m	1297.004	0	2	0	2	0
Ladder frame 75/8 - 2.00 m	1297.008	4	4	6	6	8
Uni assembly hook	1300.010	1	1	1	1	1
Castor 400 - 4 kN	1301.150	4	4	4	4	4
End toe board 0.75 m	1438.075	2	2	2	2	2
Toe board 1.80 m with claw	1439.180	2	2	2	2	2
Ballast	1249.000	For requirement see table below				

Conforms to standard **DIN EN 1004:2021**



The Uni Light family with stabilizers

Tower model	1403223 Uni Light P2 with stabilizers	1403224 Uni Light P2 with stabilizers
Working height [m]	5.10	6.10
Tower height [m]	4.33	5.33
Platform height [m]	3.10	4.10
Weight [kg] (without ballast)	166.4	177.2
Ballast (stated in units)		
In closed areas		
Assembly central	0	0
Assembly off-set	L0 R4	L0 R8
Assembly off-set with wall bracing	0	0
Outdoors		
Assembly central	0	0
Assembly off-set	L0 R6	L0 R10
Assembly off-set with wall bracing	0	0

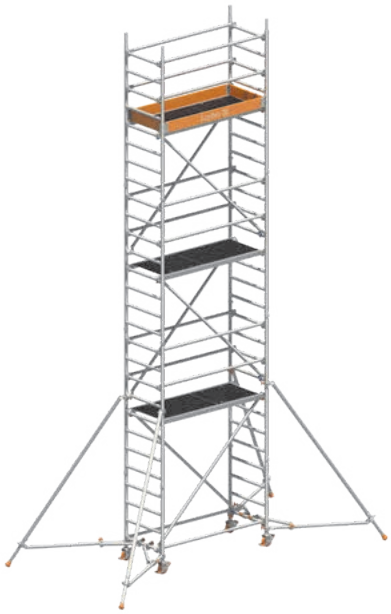
* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

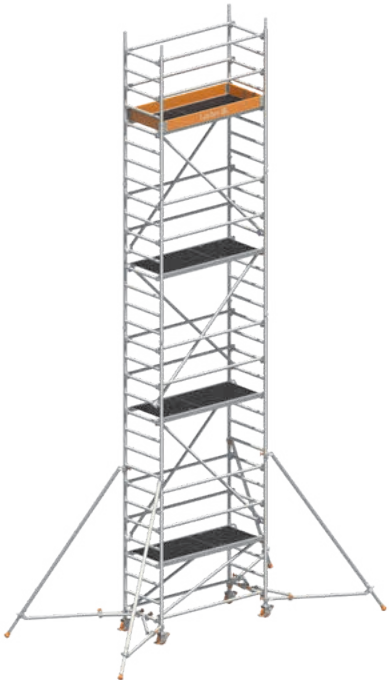
SAFETY ASSEMBLY

- Conforms to standard **DIN EN 1004:2021**
- Platform in vertical spacing of 2 m
- Collective side protection
- Quick and easy assembly

RETROFITTABLE USING THE LAYHER MODULAR SYSTEM

If you already possess a Layher Rolling Tower, then you can convert it into the P2 variant without difficulty.





1403225 Uni Light P2 with stabilizers	**1403226** Uni Light P2 with stabilizers	**1403227** Uni Light P2 with stabilizers
7.10	8.10	9.10
6.33	7.33	8.33
5.10	6.10	7.10
214.8	225.6	263.2
0	I2 r2	I2 r2
L0 R10	L0 R12	L0 R14
0	0	0
I3 r3	I6 r6	I8 r8
L0 R14	X	X
0	0	I2 r0

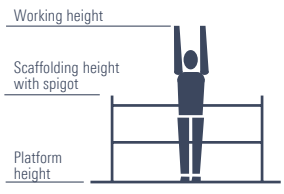
All dimensions and weights are guideline values. Subject to technical modification. Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. Title to the delivered goods shall be retained until full payment has been made. When purchasing, you receive instructions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

Uni Light

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Gerüsttyp	Artikel-Nr.	3201	3202	3203	3204	3205	3206	3207
Guardrail 1.80 m	1205.180	0	6	2	6	8	12	10
Double guardrail 1.80 m	1206.180	2	0	2	0	2	0	2
Diagonal brace 2.50 m	1208.180	0	2	2	4	4	6	6
Horizontal diagonal brace 1.95 m	1209.180	0	0	0	1	1	1	1
Mobile beam 1.80 m without bar	1214.180	0	2	2	2	2	2	2
Access deck 1.80 m	1242.180	1	1	1	1	2	2	2
Spring clip	1250.000	0	8	8	12	12	16	16
Ladder frame 75/4 - 1.00 m	1297.004	0	2	0	2	0	2	0
Ladder frame 75/8 - 2.00 m	1297.008	2	2	4	4	6	6	8
Castor 400 - 4 kN	1301.150	4	4	4	4	4	4	4
End toe board 0.75 m	1438.075	0	2	2	2	2	2	2
Toe board 1.80 m with claw	1439.180	0	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below						



The Uni Light family

Tower model	3201 Uni Light	3202 Uni Light	3203 Uni Light
Working height [m]	3.11	4.26	5.26
Tower height [m]	2.34	3.49	4.49
Platform height [m]	1.11	2.26	3.26
Weight [kg] (without ballast)	52.2	110.4	120.6
Ballast (stated in units)			
In closed areas			
Assembly central	l4 r4	0	4
Assembly off-set	X	2	6
Assembly off-set with wall bracing	X	0	4
Outdoors			
Assembly central	l4 r4	0	4
Assembly off-set	X	4	8
Assembly off-set with wall bracing	X	0	4

The products shown (pages 70 and 71) are only standard-compliant by purchasing the retrofit set (page 71) according to DIN EN 1004:2021.

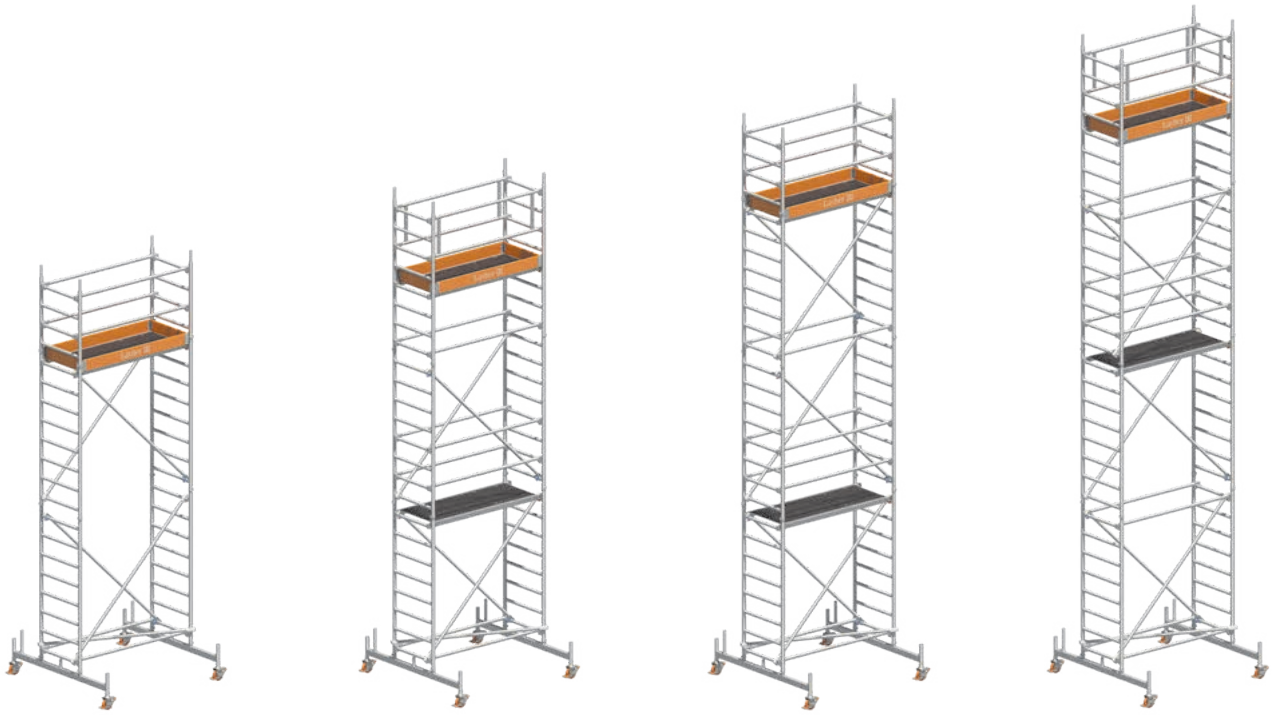
* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

Retrofitting table

Simply safe with the P2 retrofit kits: The rollings can be easily retrofitted to the safety structure P2, to conform to the current standards.

Retrofit set	Ref. No.	1400021	1400022	1400023	1400024	1400025	1400026
for tower model		3202	3203	3204	3205	3206	3207
Guardrail 1.80 m	1205.180	0	3	4	1	2	3
Diagonal brace 1.95 m	1208.195	0	2	0	2	0	2
Basic tube 1.80 m	1211.180	1	1	1	1	1	1
Access deck 1.80 m	1242.180	0	1	1	1	1	2
Uni assembly hook	1300.010	1	1	1	1	1	1

* If there 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.



3204 Uni Light	**3205** Uni Light	**3206** Uni Light	**3207** Uni Light
6.26	7.26	8.26	9.26
5.49	6.49	7.49	8.49
4.26	5.26	6.26	7.26
138.1	177.1	191.1	205.9
8	12	12	16
10	14	12	16
8	10	12	14
10	14	20	26
12	20	20	26
8	10	12	14

UNI LIGHT STAIR KIT SOLUTION

FOR MORE SAFETY AND FLEXIBILITY

The stair kit for Uni Light permits safer and more flexible use of rolling tower parts in stairwells: it does not require any modification work, since the stair remains accessible despite the scaffolding.

By expanding standard scaffolding models with a few individual components, the stair kit offers in combination with Uni Light an economically smarter, swifter and safer solution for working at heights – also as an alternative to rung ladders, which are now only usable to a limited extent due to current occupational safety regulations. After mounting the base on the stair steps, assembling of the required scaffolding levels can be performed with the already proven Safety Assembly P2.

THE BENEFITS FOR YOU

- Use of rolling tower parts in stairwells up to platform height of 5 m.
- Passageways to suit the site – complete blocking off of the stair not needed.
- Adaptation to stair steps – riser and tread – is possible.
- Passageway also as entrance for upward access.
- Thanks to the modular principle, many assembly variants are possible.

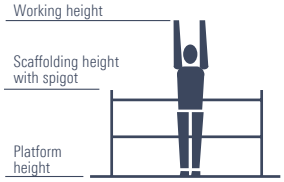
		Uni Light Stair Kit TYPE 1	Uni Light Stair Kit TYPE 2
Tower model	**Ref. No.**	**1603291**	**1603292**
Beam 1.80 m	1207.180	2	2
Diagonal brace 1.95 m	1208.195	2	2
Suspended ladder for passageway ladder frame	1247.006	0	1
Adjustable base plate 60 with lock	1257.060	4	4
Tele distance tube 1.25 m	1275.001	2	2
Passageway ladder frame 75/8 - 2.00 m	1296.008	1	2
Ladder frame 75/2 - 0.50 m	1297.002	1	1
Rubber underlay for base plate	4000.500	4	4
Double coupler	4700.019	4	4
Hand wheel with bush	6491.422	8	8

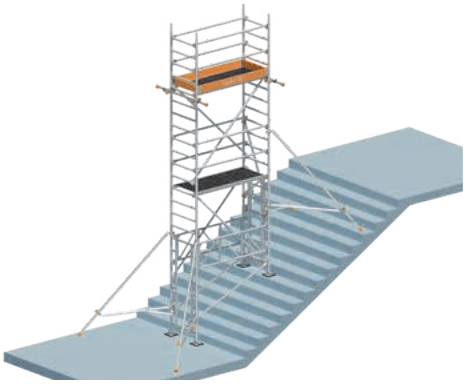
OPTIONAL

Item description	Ref. No.	Stabilizers kit
		1600090
Rotation preventer	1248.261	4
Alu stabilizer, extendable	1248.260	4

UNI LIGHT WITH STAIR KIT

THE COMPLETE KITS WITH STAIR SOLUTION





Tower model	1603293 Uni Light P2	1603295 Uni Light P2
Working height [m]	5.03	7.03
Tower height [m]	4.26	6.26
Platform height [m]	3.03	5.03
Weight [kg] (without ballast)	175.1	223.5
Ballast (stated in units)		
In closed areas		
Assembly central	l6 r6	l12 r12
Structure with restraint between the walls	0	0
Assembly off-set with wall bracing	l6 r0	l14 r0

Tower model	Ref. No.	1603293	1603295
Guardrail 1.80 m	1205.180	4	8
Beam 1.80 m	1207.180	2	2
Diagonal brace 2.50 m	1208.180	2	4
Diagonal brace 1.95 m	1208.195	2	2
Access deck 1.80 m	1242.180	1	2
Suspended ladder for passageway ladder frame	1247.006	1	1
Telescoping stabilizer - 2.60m	1248.260	4	4
Rotation preventer for stabilizers	1248.261	4	4
Spring clip	1250.000	4	8
Adjustable base plate 60 with lock	1257.060	4	4
Tele distance tube 1.25 m	1275.001	2	2
Passageway ladder frame 75/8 - 2.00 m	1296.008	2	2
Ladder frame 75/4 - 1.00 m	1297.004	1	1
Ladder frame 75/8 - 2.00 m	1297.008	1	3
Uni assembly hook	1300.010	1	1
End toe board 0.75 m	1438.075	2	2
Toe board 1.80 m with claw	1439.180	2	2
Rubber underlay for base plate	4000.500	4	4
Double coupler - AF19	4700.019	4	4
Hand wheel with bush	6491.422	8	8
Ballast	1249.000	For requirement see table above	

UNI COMPACT

THE COMPACT UNIVERSAL TOWER WITH DOUBLE-WIDTH WORKING SURFACE

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

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

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

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

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

The Uni Compact family can also be equipped with stabilizers.
Learn more about that on page 80.

TECHNICAL DATA

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


Layher

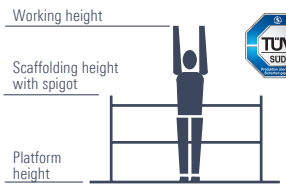
Uni Compact

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	1405001	1405002	1405003	1405004	1405005	1405006	1405007	1405008
Guardrail 1.80 m	1205.180	0	6	10	10	14	12	17	16
Double guardrail 1.80 m	1206.180	2	0	0	0	0	0	0	0
Diagonal brace 2.50 m	1208.180	0	2	2	4	4	6	6	8
Diagonal brace 1.95 m	1208.195	0	0	2	0	2	0	2	0
Basic tube 1.80 m	1211.180	0	0	0	0	0	1	1	1
Deck 1.80 m	1241.180	1	2	2	3	3	4	4	5
Access deck 1.80 m	1242.180	1	1	2	2	3	3	4	4
Spring clip	1250.000	0	4	4	8	8	16	16	20
Ladder frame 150/4 - 1.00 m	1299.004	0	2	0	2	0	2	0	2
Ladder frame 150/8 - 2.00 m	1299.008	2	2	4	4	6	6	8	8
Uni assembly hook	1300.010	0	1	1	1	1	1	1	1
Mobile beam 3.20 m with bar adj.	1323.320	0	0	0	0	0	2	2	2
Access ledger 0.75 m	1344.003	0	2	1	2	1	0	0	0
Castor 700 - 7 kN	1359.200	4	4	4	4	4	4	4	4
End toe board 1.44 m	1438.144	2	2	2	2	2	2	2	2
Toe board 1.80 m with claw	1439.180	2	2	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below							

Conforms to standard **DIN EN 1004:2021**



The Uni Compact family

Tower model	1405001 Uni Compact P2	1405002 Uni Compact P2	1405003 Uni Compact P2	1405004 Uni Compact P2
Working height [m]	3.20	4.20	5.20	6.20
Tower height [m]	2.43	3.43	4.43	5.43
Platform height [m]	1.20	2.20	3.20	4.20
Weight [kg] (without ballast)	108.3	152.4	191.9	223.9
Ballast (stated in units)				
In closed areas				
Assembly central	0	l1 r1	l1 r1	l4 r4
Assembly off-set	X	X	X	X
Assembly off-set with wall bracing	0	l2 r0	l2 r0	l4 r0
Outdoors				
Assembly central	0	l1 r1	l3 r3	l7 r7
Assembly off-set	X	X	X	X
Assembly off-set with wall bracing	0	l2 r0	l4 r0	l10 r4

* 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 assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

SAFETY ASSEMBLY

- Conforms to standard **DIN EN 1004:2021**
- Platform in vertical spacing of 2 m
- Collective side protection
- Quick and easy assembly

RETROFITTABLE USING THE LAYHER MODULAR SYSTEM

If you already possess a Layher Rolling Tower, then you can convert it into the P2 variant without difficulty.

1405005 Uni Compact P2	**1405006** Uni Compact P2	**1405007** Uni Compact P2	**1405008** Uni Compact P2
7.20	8.38	9.38	10.38
6.43	7.61	8.61	9.61
5.20	6.38	7.38	8.38
263.4	377.3	442.5	448.8
l4 r4	0	0	l1 r1
X	0	0	l1 r1
l4 r0	0	0	l1 r1
l11 r11	l13 r13	l17 r17	X
X	l13 r13	l17 r17	X
l14 r4	l13 r13	l17 r17	X

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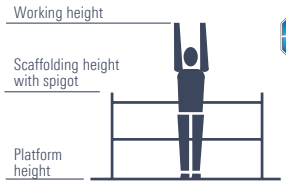
Uni Compact with stabilizers, extendable

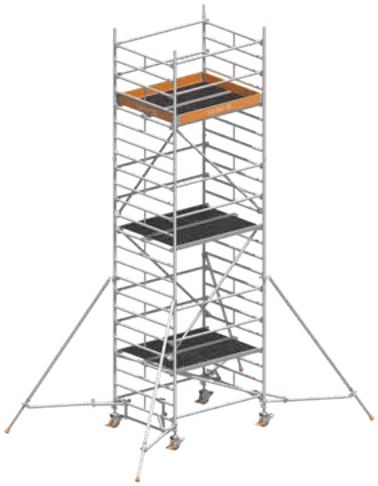
Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	1405024	1405025	1405026	1405027	1405028
Guardrail 1.80 m	1205.180	10	14	14	18	18
Diagonal brace 2.50 m	1208.180	4	4	6	6	8
Diagonal brace 1.95 m	1208.195	0	2	0	2	0
Deck 1.80 m	1241.180	2	3	3	4	4
Access deck 1.80 m	1242.180	2	3	3	4	4
Telescoping stabilizer - 2.60m	1248.260	4	4	4	4	4
Rotation preventer for stabilizers	1248.261	4	4	4	4	4
Spring clip	1250.000	8	8	12	12	16
Ladder frame 150/4 - 1.00 m	1299.004	2	0	2	0	2
Ladder frame 150/8 - 2.00 m	1299.008	4	6	6	8	8
Uni assembly hook	1300.010	1	1	1	1	1
Access ledger 0.75 m	1344.003	1	1	1	1	1
Castor 700 - 7 kN	1359.200	4	4	4	4	4
End toe board 1.44 m	1438.144	2	2	2	2	2
Toe board 1.80 m with claw	1439.180	2	2	2	2	2
Ballast	1249.000	For requirement see table below				

Conforms to standard **DIN EN 1004:2021**





The Uni Compact family with stabilizers

Tower model	1405024 Uni Compact P2 with stabilizers	1405025 Uni Compact P2 with stabilizers
Working height [m]	6.20	7.20
Tower height [m]	5.43	6.43
Platform height [m]	4.20	5.20
Weight [kg] (without ballast)	252.5	308.6
Ballast (stated in units)		
In closed areas		
Assembly central	0	0
Assembly off-set	L0 R2	L0 R2
Assembly off-set with wall bracing	0	0
Outdoors		
Assembly central	l2 r2	l4 r4
Assembly off-set	L0 R4	L0 R6
Assembly off-set with wall bracing	0	0

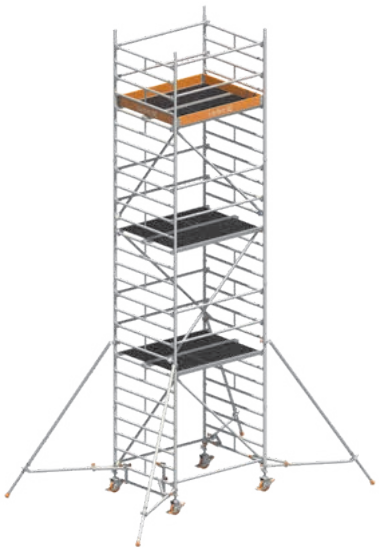
* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

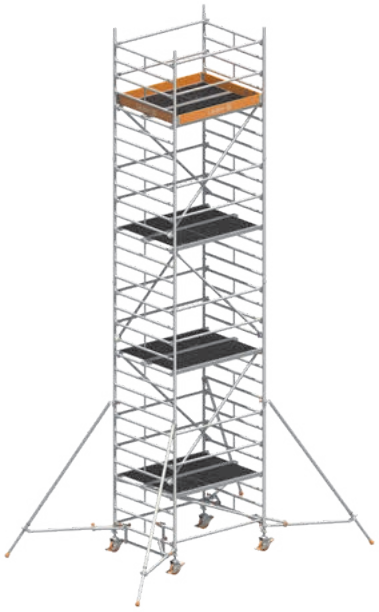
SAFETY ASSEMBLY

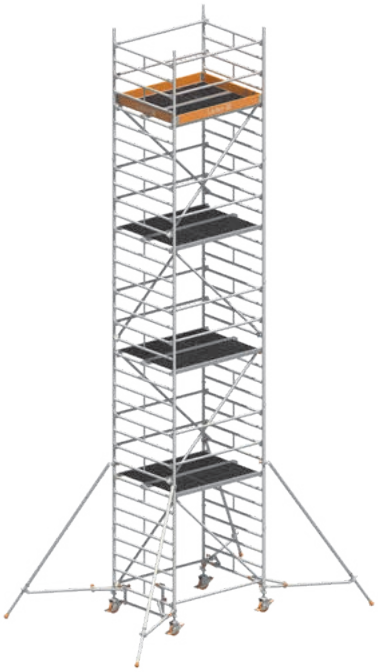
- Conforms to standard **DIN EN 1004:2021**
- Platform in vertical spacing of 2 m
- Collective side protection
- Quick and easy assembly

RETROFITTABLE USING THE LAYHER MODULAR SYSTEM

If you already possess a Layher Rolling Tower, then you can convert it into the P2 variant without difficulty.







1405026 Uni Compact P2 with stabilizers	**1405027** Uni Compact P2 with stabilizers	**1405028** Uni Compact P2 with stabilizers
8.20	9.20	10.20
7.43	8.43	9.43
6.20	7.20	8.20
324.0	380.1	395.5
0	0	0
L0 R4	L0 R4	L0 R6
0	0	0
I9 r9	I12 r12	X
L0 R10	L0 R14	X
0	0	X

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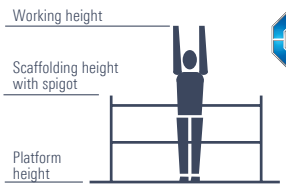
Uni Compact

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	5001	5002	5003	5004	5005	5006	5007	5008
Guardrail 1.80 m	1205.180	0	6	2	6	8	9	9	11
Double guardrail 1.80 m	1206.180	2	0	2	0	2	0	2	0
Diagonal brace 2.50 m	1208.180	0	2	2	4	4	6	6	8
Deck 1.80 m	1241.180	1	1	1	1	2	2	2	2
Access deck 1.80 m	1242.180	1	1	1	1	2	2	2	2
Spring clip	1250.000	0	4	4	8	8	16	16	20
Ladder frame 150/4 - 1.00 m	1299.004	0	2	0	2	0	2	0	2
Ladder frame 150/8 - 2.00 m	1299.008	2	2	4	4	6	6	8	8
Mobile beam 3.20 m with bar adj.	1323.320	0	0	0	0	0	2	2	2
Base strut 1.80 m	1324.180	0	0	0	0	0	1	1	1
Access ledger 0.75 m	1344.003	0	1	1	1	1	0	0	0
Castor 700 - 7 kN	1359.200	4	4	4	4	4	4	4	4
End toe board 1.44 m	1438.144	0	2	2	2	2	2	2	2
Toe board 1.80 m with claw	1439.180	0	2	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below							



The Uni Compact family

Tower model	5001 Uni Compact	5002 Uni Compact	5003 Uni Compact	5004 Uni Compact
Working height [m]	3.20	4.20	5.20	6.20
Tower height [m]	2.43	3.43	4.43	5.43
Platform height [m]	1.20	2.20	3.20	4.20
Weight [kg] (without ballast)	92.2	134.6	150.0	168.6
Ballast (stated in units)				
In closed areas				
Assembly central	0	0	4	8
Assembly off-set	X	X	X	X
Assembly off-set with wall bracing	0	X	X	X
Outdoors				
Assembly central	0	0	6	14
Assembly off-set	X	X	X	X
Assembly off-set with wall bracing	0	X	X	X

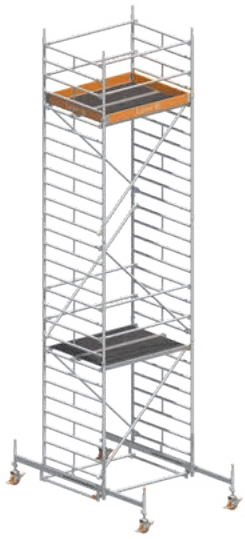
The products shown (pages 82 and 83) are only standard-compliant by purchasing the retrofit set (page 83) according to DIN EN 1004:2021.

* 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 assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

Retrofitting table Simply safe with the P2 retrofit kits: The rollings can be easily retrofitted to the safety structure P2, to conform to the current standards.

Retrofit set	Ref. No.	1400027	1400028	1400029	1400030	1400031	1400032	1400033
for tower model		5002	5003	5004	5005	5006	5007	5008
Guardrail 1.80 m	1205.180	0	4	4	2	3	4	5
Diagonal brace 1.95 m	1208.195	0	2	0	2	0	2	0
Deck 1.80 m	1241.180	1	1	2	1	2	2	3
Access deck 1.80 m	1242.180	0	1	1	1	1	2	2
Uni assembly hook	1300.010	1	1	1	1	1	1	1
Access ledger 0.75 m	1344.003	1	0	1	0	0	0	0

* If there 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.



5005 Uni Compact	**5006** Uni Compact	**5007** Uni Compact	**5008** Uni Compact
7.20	8.38	9.38	10.38
6.43	7.61	8.61	9.61
5.20	6.38	7.38	8.38
226.1	326.1	350.7	364.7
8	0	4	6
X	0	4	8
X	0	4	8
20	24	36	X
X	24	36	X
X	24	36	X

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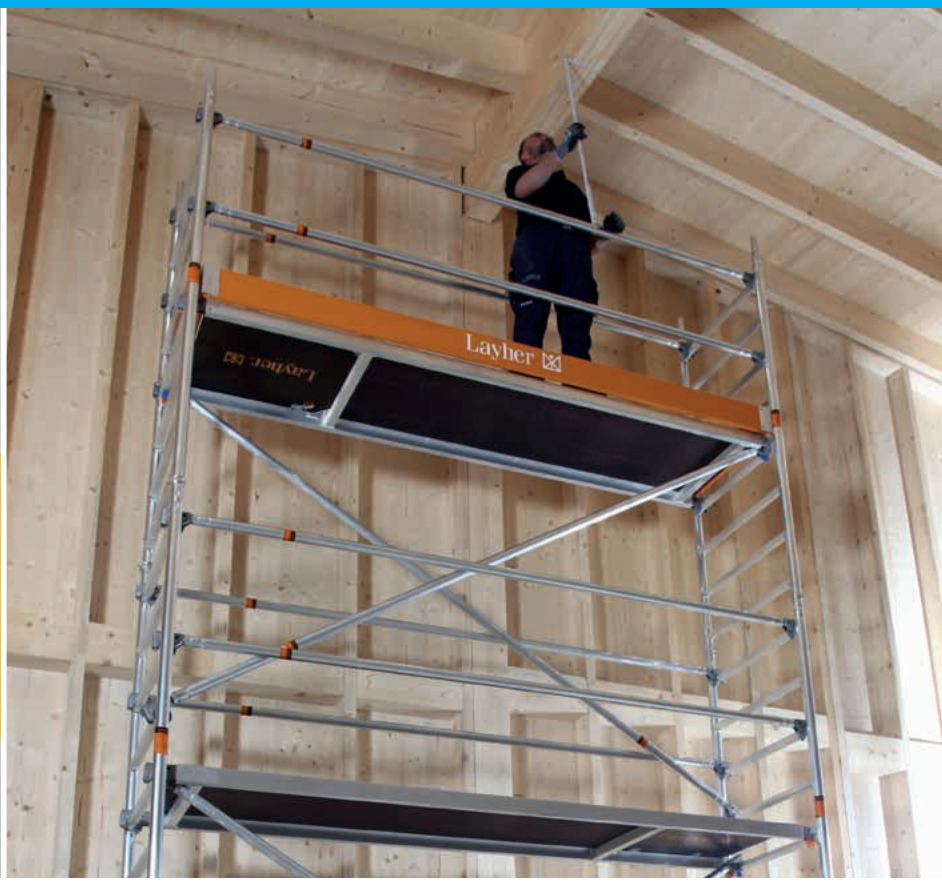
UNI STANDARD

THE MOST FLEXIBLE ROLLING TOWER FOR VERY GREAT HEIGHTS



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

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

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

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

Base widening: With mobile beam made of steel, rigid or telescopic, with spigots for optional mounting of ladder frames for work on ceilings and walls; alternatively with stabilizers see page 88.

TECHNICAL DATA

- Working height: 13.38 m
- Area of working platform: 0.75 x 2.85 m
- Permissible live load: 2 kN / m² (load class 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 86.


Layher

Uni Standard

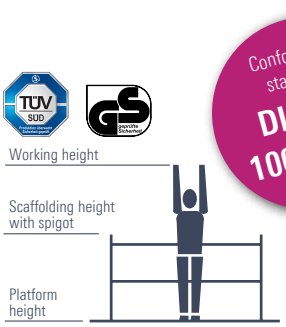
Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	1401101	1401102	1401103	1401104	1401105	1401106	1401107	1401108	1401109	1401110	1401111
Guardrail 2.85 m	1205.285	0	4	9	8	13	12	17	16	21	20	25
Double guardrail 2.85 m	1206.285	2	0	0	0	0	0	0	0	0	0	0
Diagonal brace 3.35 m	1208.285	0	2	2	4	4	6	6	8	8	10	10
Diagonal brace 2.95 m	1208.295	0	0	2	0	2	0	2	0	2	0	2
Basic tube 2.85 m	1211.285	0	1	1	1	1	1	1	1	1	1	1
Deck 2.85 m	1241.285	0	1	0	1	0	1	0	1	0	1	0
Access deck 2.85 m	1242.285	1	1	2	2	3	3	4	4	5	5	6
Spring clip	1250.000	0	8	8	12	12	16	16	20	20	24	24
Ladder frame 75/4 - 1.00 m	1297.004	0	2	0	2	0	2	0	2	0	2	0
Ladder frame 75/8 - 2.00 m	1297.008	2	2	4	4	6	6	8	8	10	10	12
Uni assembly hook	1300.010	0	1	1	1	1	1	1	1	1	1	1
Mobile beam 1.80 m with bar	1323.180	0	2	2	2	2	2	0	0	0	0	0
Mobile beam 3.20 m with bar adj.	1323.320	0	0	0	0	0	0	2	2	2	2	2
Lenkrolle 700 - 7 kN	1359.200	4	4	4	4	4	4	4	4	4	4	4
Stirnbordbrett 0.75 m	1438.075	2	2	2	2	2	2	2	2	2	2	2
Toe board 2.85 m with claw	1439.285	2	2	2	2	2	2	2	2	2	2	2
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



Conforms to standard DIN EN 1004:2021

The Uni Standard family

Tower model	1401101 Uni Standard P2	1401102 Uni Standard P2	1401103 Uni Standard P2	1401104 Uni Standard P2	1401105 Uni Standard P2
Working height [m]	3.20	4.35	5.35	6.35	7.35
Tower height [m]	2.43	3.58	4.58	5.58	6.58
Platform height [m]	1.20	2.35	3.35	4.35	5.35
Weight [kg] (without ballast)	96.4	180.2	215.1	242.0	276.9
Ballast (stated in units)					
In closed areas					
Assembly central	l2 r2	0	0	0	0
Assembly off-set	X	0	0	L0 R4	L0 R4
Assembly off-set with wall bracing	X	0	0	0	0
Assembly central with 1 bracket	X	0	0	L0 R2	L0 R4
Assembly central with 2 brackets	X	0	0	0	0
Outdoors					
Assembly central	l2 r2	0	l1 r1	l5 r5	l9 r9
Assembly off-set	X	L0 R2	L0 R6	L0 R10	L4 R16
Assembly off-set with wall bracing	X	0	0	0	L4 R0
Assembly central with 1 bracket	X	L0 R4	L0 R8	L2 R12	L6 R16
Assembly central with 2 brackets	X	l2 r2	l5 r5	l8 r8	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 assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

SAFETY ASSEMBLY

- Conforms to standard **DIN EN 1004:2021**
- Platform in vertical spacing of 2 m
- Collective side protection
- Quick and easy assembly

RETROFITTABLE USING THE LAYHER MODULAR SYSTEM

If you already possess a Layher Rolling Tower, then you can convert it into the P2 variant without difficulty.

1401106 Uni Standard P2	**1401107** Uni Standard P2	**1401108** Uni Standard P2	**1401109** Uni Standard P2	**1401110** Uni Standard P2	**1401111** Uni Standard P2
8.35	9.38	10.38	11.38	12.38	13.38
7.58	8.61	9.61	10.61	11.61	12.61
6.35	7.38	8.38	9.38	10.38	11.38
303.8	389.9	418.0	452.9	479.8	514.7
0	0	0	0	0	0
L0 R6	L0 R4	L0 R6	L0 R6	L0 R8	L0 R10
0	0	0	0	0	0
L0 R6	0	0	0	0	0
0	0	0	0	0	0
l15 r15	l2 r2	X	X	X	X
L10 R22	L0 R18	X	X	X	X
L10 R0	0	X	X	X	X
L12 R22	X	X	X	X	X
X	X	X	X	X	X

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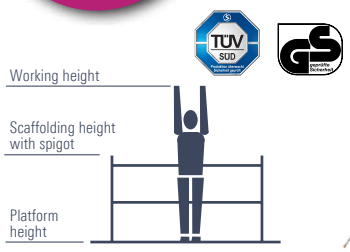
Uni Standard with stabilizers

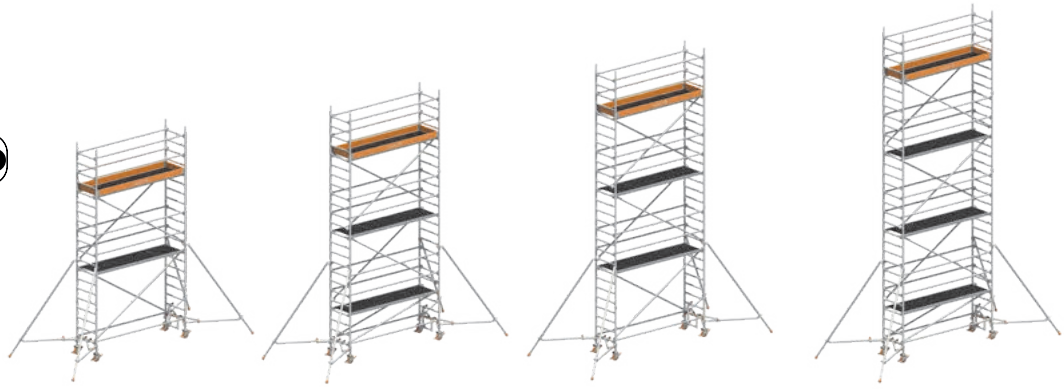
Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

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
Access deck 2.85 m	1242.285	2	3	3	4	4	5	5	6	3	3	4	4	5	5	6
Telescoping stabilizer - 2.60m	1248.260	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0
Rotation preventer for stabilizers	1248.261	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Stabilizer 5 m	1248.500	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4
Spring clip	1250.000	8	8	12	12	16	16	20	20	8	12	12	16	16	20	20
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
Uni assembly hook	1300.010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Access ledger 0.30 m	1344.002	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Castor 700 - 7 kN	1359.200	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
End toe board 0.75 m	1438.075	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Toe board 2.85 m with claw	1439.285	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below														

Conforms to standard **DIN EN 1004:2021**



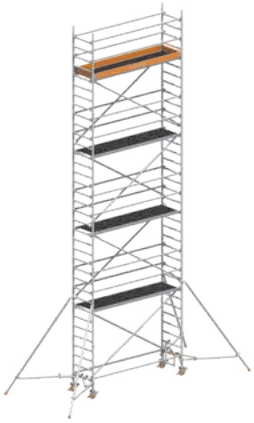


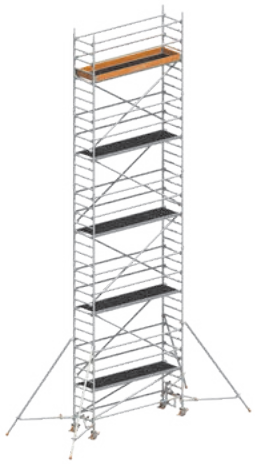
The Uni Standard family with stabilizers, extendable

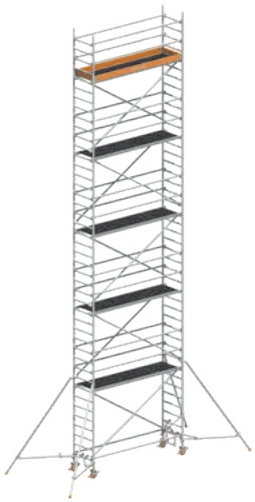
Tower model	1401124 Uni Standard P2 with stabilizers	1401125 Uni Standard P2 with stabilizers	1401126 Uni Standard P2 with stabilizers	1401127 Uni Standard P2 with stabilizers
Working height [m]	6.20	7.20	8.20	9.20
Tower height [m]	5.43	6.43	7.43	8.43
Standing height [m]	4.20	5.20	6.20	7.20
Weight [kg] (without ballast)	232.1	283.4	293.9	345.2
Ballast (stated in units)				
In closed areas				
Assembly central	0	0	0	0
Assembly off-set	L0 R6	L0 R8	L0 12R	L0 R12
Assembly off-set with wall bracing	0	0	0	0
Outdoors				
Assembly central	0	0	0	0
Assembly off-set	L0 R16	L0 R20	L0 R28	L0 R34
Assembly off-set with wall bracing	0	0	0	0

* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

Tower model	1401145 Uni Standard P2 with stabilizers – 5m	1401146 Uni Standard P2 with stabilizers – 5m	1401147 Uni Standard P2 with stabilizers – 5m	1401148 Uni Standard P2 with stabilizers – 5m	1401149 Uni Standard P2 mit Geräuststützen – 5m	1401150 Uni Standard P2 with stabilizers – 5m	1401151 Uni Standard P2 with stabilizers – 5m
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
Standing height [m]	5.20	6.20	7.20	8.20	9.20	10.20	11.20
Weight [kg] (without ballast)	309.0	319.5	370.8	381.3	432.6	443.1	494.4
Ballast (stated in units)							
In closed areas							
Assembly central	0	0	0	0	0	0	0
Assembly off-set	L0 R6	L0 R8	L0 R8	L0 R10	L0 R12	L0 R14	L0 R14
Assembly off-set with wall bracing	0	0	0	0	0	0	0
Outdoors							
Assembly central	0	0	0	X	X	X	X
Assembly off-set	L0 R16	L0 R20	X	X	X	X	X
Assembly off-set with wall bracing	0	0	0	X	X	X	X







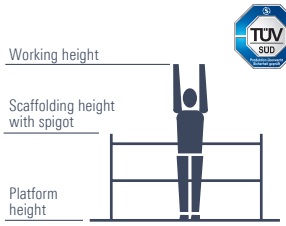
1401128 Uni Standard P2 with stabilizers	1401129 Uni Standard P2 with stabilizers	1401130 Uni Standard P2 with stabilizers	1401131 Uni Standard P2 with stabilizers
10.20	11.20	12.20	13.20
9.43	10.43	11.43	12.43
8.20	9.20	10.20	11.20
355.7	407.0	417.5	216.3
0	0	0	0
L0 R16	L0 R18	L0 R20	L0 R22
0	0	0	0
X	X	X	X
X	X	X	X
X	X	X	X

Uni Standard

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111
Guardrail 2.85 m	1205.285	0	5	1	5	7	9	9	11	13	15	15
Double guardrail 2.85 m	1206.285	2	0	2	0	2	0	2	0	2	0	2
Diagonal brace 3.35 m	1208.285	0	2	2	4	4	6	6	8	8	10	10
End toe board 0.75 m	1242.285	1	1	1	1	2	2	2	2	3	3	3
Spring clip	1250.000	0	8	8	12	12	16	16	20	20	24	24
Ladder frame 75/4 - 1.00 m	1297.004	0	2	0	2	0	2	0	2	0	2	0
Ladder frame 75/8 - 2.00 m	1297.008	2	2	4	4	6	6	8	8	10	10	12
Mobile beam 1.80 m with bar	1323.180	0	2	2	2	2	2	0	0	0	0	0
Mobile beam 3.20 m with bar adj.	1323.320	0	0	0	0	0	0	2	2	2	2	2
Base strut 2.85 m	1324.285	0	1	1	1	1	1	1	1	1	1	1
Castor 700 - 7 kN	1359.200	4	4	4	4	4	4	4	4	4	4	4
End toe board 0.75 m	1438.075	0	2	2	2	2	2	2	2	2	2	2
Toe board 2.85 m with claw	1439.285	0	2	2	2	2	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below										



The Uni Standard family

Tower model	1101 Uni Standard	1102 Uni Standard	1103 Uni Standard	1104 Uni Standard	1105 Uni Standard
Working height [m]	3.20	4.35	5.35	6.35	7.35
Tower height [m]	2.43	3.58	4.58	5.58	6.58
Platform height [m]	1.20	2.35	3.35	4.35	5.35
Weight [kg] (without ballast)	81.8	161.0	170.4	186.8	239.4
Ballast (stated in units)					
In closed areas					
Assembly central	l2 r2	0	0	0	0
Assembly off-set	X	0	l0 r2	l0 r4	l0 r5
Assembly off-set with wall bracing	X	0	0	0	0
Assembly central with 1 bracket	X	0	L0 R8	L0 R4	L0 R4
Assembly central with 2 brackets	X	0	0	0	0
Outdoors					
Assembly central	l2 r2	0	l0 r1	l4 r4	l9 r9
Assembly off-set	X	0	l0 r5	l0 r9	l2 r14
Assembly off-set with wall bracing	X	0	0	0	l2 r0
Assembly central with 1 bracket	X	L0 R4	L0 R8	L2 R12	L6 R16
Assembly central with 2 brackets	X	X	X	X	X

The products shown (pages 90 and 91) are only standard-compliant by purchasing the retrofit set (page 91) according to DIN EN 1004:2021.

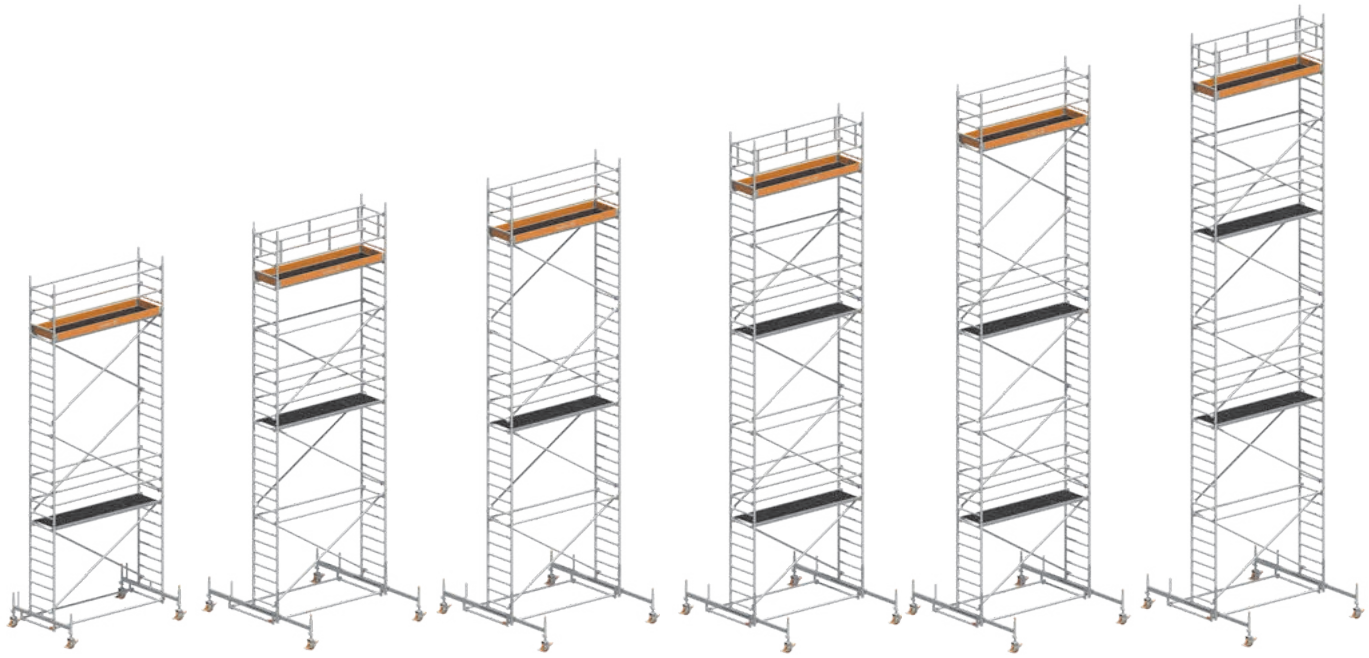
* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

Retrofitting table

Simply safe with the P2 retrofit kits: The rollings can be easily retrofitted to the safety structure P2, to conform to the current standards.

Retrofit set	Ref. No.	1400001	1400002	1400003	1400004	1400005	1400006	1400007	1400008	1400009	1400010
for tower model		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	1300.010	1	1	1	1	1	1	1	1	1	1

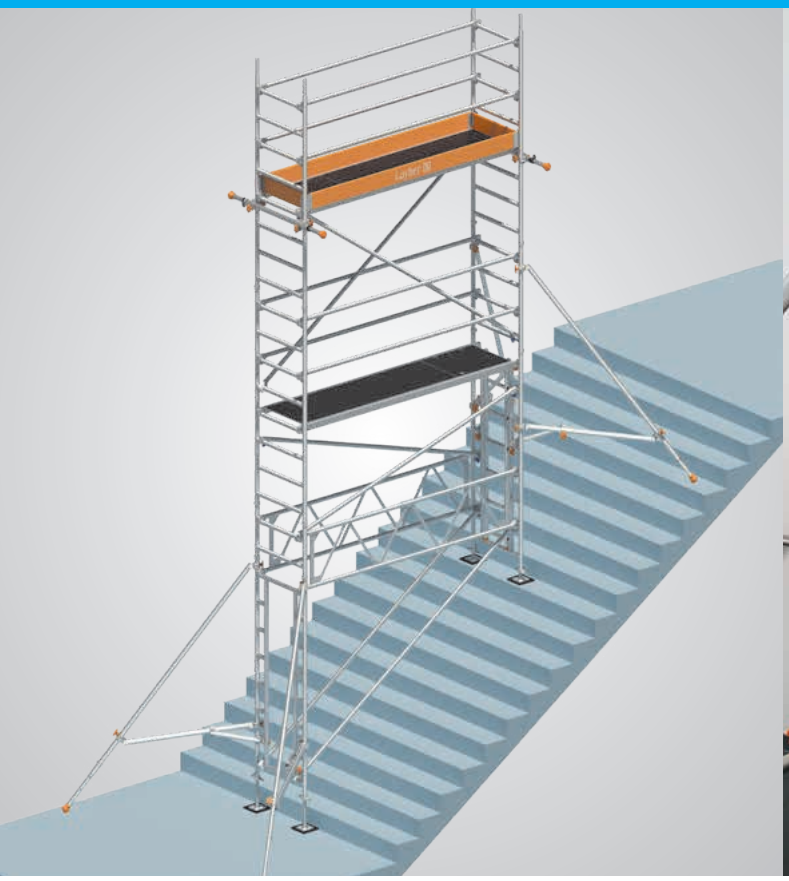
* If there there are already mobile beams 1.80 m (1214.180) and / or double rear guardrails (1206.180) in your inventory, there's no need to replace them. They can still be used.



1106 Uni Standard	1107 Uni Standard	1108 Uni Standard	1109 Uni Standard	1110 Uni Standard	1111 Uni Standard
8.35	9.38	10.38	11.38	12.38	13.38
7.58	8.61	9.61	10.61	11.61	12.61
6.35	7.38	8.38	9.38	10.38	11.38
248.6	323.6	332.8	385.4	394.6	418.4
I2 r2	0	0	0	0	0
I0 r8	L0 R6	L0 R8	L0 R9	L0 R10	L0 R12
0	0	0	0	0	0
L0 R8	0	0	0	0	0
I2 r2	0	0	0	X	X
I12 r13	L1 R1	X	X	X	X
I6 r18	L0 R17	X	X	X	X
I6 r0	L1 R0	X	X	X	X
L10 R20	0	0	0	X	X
X	X	X	X	X	X

UNI STANDARD STAIR KIT SOLUTION

FOR MORE SAFETY AND FLEXIBILITY



The stair kit for Uni Standard permits safer and more flexible use of rolling tower parts in stairwells: it does not require any modification work, since the stair remains accessible despite the scaffolding.

By expanding standard scaffolding models with a few individual components, the stair kit offers in combination with Uni Standard an economically smarter, swifter and safer solution for working at heights – also as an alternative to rung ladders, which are now only usable to a limited extent due to current occupational safety regulations. After mounting the base on the stair steps, assembling of the required scaffolding levels can be performed with the already proven Safety Assembly P2.

THE BENEFITS FOR YOU

- Use of rolling tower parts in stairwells up to platform height of 6 m.
- Passageways to suit the site – complete blocking off of the stair not needed.
- Adaptation to stair steps – riser and tread – is possible.
- Passageway also as entrance for upward access.
- Thanks to the modular principle, many assembly variants are possible.

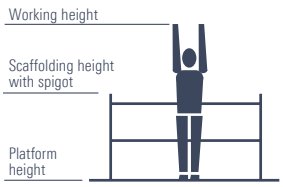
		Uni Standard Stair Kit TYPE 1	Uni Standard Stair Kit TYPE 2
Tower model	**Ref. No.**	**1601191**	**1601192**
Beam 2.85 m	1207.285	2	2
Diagonal brace 2.95 m	1208.295	2	2
Suspended ladder for passageway ladder frame	1247.006	0	1
Adjustable base plate 60 with lock	1257.060	4	4
Tele distance tube 1.25 m	1275.001	2	2
Passageway ladder frame 75/8 - 2.00 m	1296.008	1	2
Ladder frame 75/2 - 0.50 m	1297.002	1	1
Rubber underlay for base plate	4000.500	4	4
Double coupler	4700.019	4	4
Hand wheel with bush	6491.422	8	8

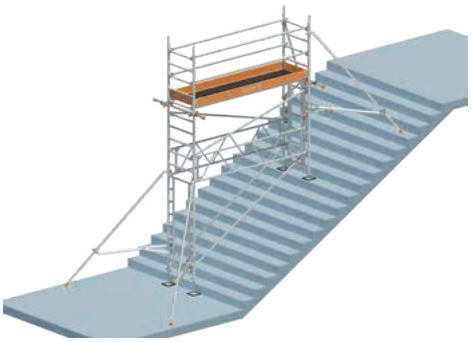
OPTIONAL

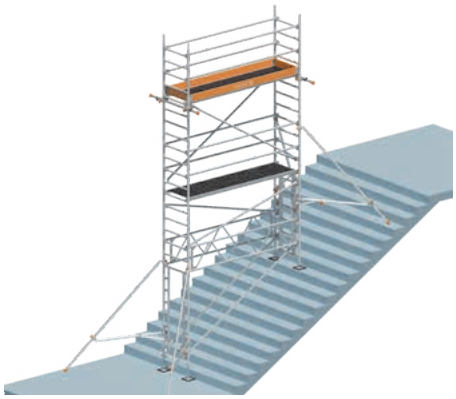
Item description	Ref. No.	Stabilizers kit
		1600090
Rotation preventer	1248.261	4
Alu stabilizer, extendable	1248.260	4

UNI STANDARD WITH STAIR KIT

THE COMPLETE KITS WITH STAIR SOLUTION







Tower model	1601193 Uni Standard P2	1601195 Uni Standard P2
Working height [m]	5.73	7.73
Tower height [m]	4.96	6.96
Platform height [m]	3.73	5.73
Weight [kg] (without ballast)	199.8	261.6
Ballast (stated in units)		
In closed areas		
Assembly central	l6 r6	l10 r10
Structure with restraint between the walls	0	0
Assembly off-set with wall bracing	l6 r0	l12 r0

Tower model	Ref. No.	1601193	1601195
Guardrail 2.85 m	1205.285	4	8
Beam 2.85 m	1207.285	2	2
Diagonal brace 3.35 m	1208.285	2	4
Diagonal brace 2.95 m	1208.295	2	2
Access deck 2.85 m	1242.285	1	2
Suspended ladder for passageway ladder frame	1247.006	1	1
Telescoping stabilizer - 2.60m	1248.260	4	4
Rotation preventer for stabilizers	1248.261	4	4
Spring clip	1250.000	6	10
Adjustable base plate 60 with lock	1257.060	4	4
Tele distance tube 1.25 m	1275.001	2	2
Passageway ladder frame 75/8 - 2.00 m	1296.008	2	2
Ladder frame 75/2 - 0.50 m	1297.002	1	1
Ladder frame 75/4 - 1.00 m	1297.004	1	1
Ladder frame 75/8 - 2.00 m	1297.008	1	3
Uni assembly hook	1300.010	1	1
End toe board 0.75 m	1438.075	2	2
Toe board 2.85 m with claw	1439.285	2	2
Rubber underlay for base plate	4000.500	4	4
Double coupler - AF19	4700.019	4	4
Hand wheel with bush	6491.422	8	8
Ballast	1249.000	For requirement see table above	

UNI WIDE

THE UNIVERSAL TOWER WITH DOUBLE-WIDTH WORKING SURFACE

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

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

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

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

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

Base widening: With mobile beam made of steel, telescopic for work on ceilings and walls if required; only necessary for working height of 8.60 m and above, alternatively with stabilizers (see page 98 in this respect and also instructions for assembly and use).

TECHNICAL DATA

- Working height: 13.38 m
- Area of working platform: 1.50 x 2.85 m
- Permissible live load: 2 kN / m² (load class 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 96.


Layher

Uni Wide

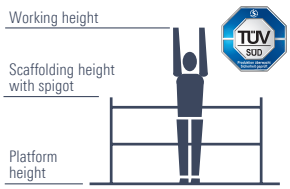
Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	1402101	1402102	1402103	1402104	1402105	1402106	1402107	1402108	1402109	1402110	1402111
Guardrail 2.85 m	1205.285	0	6	10	10	14	12	17	16	21	20	25
Double guardrail 2.85 m	1206.285	2	0	0	0	0	0	0	0	0	0	0
Diagonal brace 3.35 m	1208.285	0	2	2	4	4	6	6	8	8	10	10
Diagonal brace 2.95 m	1208.295	0	0	2	0	2	0	2	0	2	0	2
Basic tube 2.85 m	1211.285	0	0	0	0	0	1	1	1	1	1	1
Deck 2.85 m	1241.285	1	2	2	3	3	4	4	5	5	6	6
Access deck 2.85 m	1242.285	1	1	2	2	3	3	4	4	5	5	6
Spring clip	1250.000	0	4	4	8	8	16	16	20	20	24	24
Ladder frame 150/4 - 1.00 m	1299.004	0	2	0	2	0	2	0	2	0	2	0
Ladder frame 150/8 - 2.00 m	1299.008	2	2	4	4	6	6	8	8	10	10	12
Uni assembly hook	1300.010	0	1	1	1	1	1	1	1	1	1	1
Mobile beam 3.20 m with bar adj.	1323.320	0	0	0	0	0	2	2	2	2	2	2
Access ledger 0.75 m	1344.003	0	2	1	2	1	0	0	0	0	0	0
Castor 700 - 7 kN	1359.200	4	4	4	4	4	4	4	4	4	4	4
End toe board 1.44 m	1438.144	2	2	2	2	2	2	2	2	2	2	2
Toe board 2.85 m with claw	1439.285	2	2	2	2	2	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below										

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

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



The Uni Wide family

Tower model	1402101 Uni Wide P2	1402102 Uni Wide P2	1402103 Uni Wide P2	1402104 Uni Wide P2	1402105 Uni Wide P2
Working height [m]	3.20	4.20	5.20	6.20	7.20
Tower height [m]	2.43	3.43	4.43	5.43	6.43
Platform height [m]	1.20	2.20	3.20	4.20	5.20
Weight [kg] (without ballast)	128.8	184.6	237.8	276.2	329.4
Ballast (stated in units)					
In closed areas					
Assembly central	0	0	0	l1 r1	l1 r1
Assembly off-set	X	X	X	X	X
Assembly off-set with wall bracing	X	X	X	X	X
Assembly central with 1 bracket	X	l0 r10	l0 r10	l0 r12	l0 r12
Assembly central with 2 brackets	X	l3 r3	l2 r2	l5 r5	l4 r4
Outdoors					
Assembly central	0	l3 r3	l6 r6	l11 r11	l16 r16
Assembly off-set	X	X	X	X	X
Assembly off-set with wall bracing	X	X	X	X	X
Assembly central with 1 bracket	X	l0 r18	l0 r22	l6 r28	X
Assembly central with 2 brackets	X	l14 r14	l16 r16	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 assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

SAFETY ASSEMBLY

- Conforms to standard **DIN EN 1004:2021**
- Platform in vertical spacing of 2 m
- Collective side protection
- Quick and easy assembly

RETROFITTABLE USING THE LAYHER MODULAR SYSTEM

If you already possess a Layher Rolling Tower, then you can convert it into the P2 variant without difficulty.

1402106 Uni Wide P2	**1402107** Uni Wide P2	**1402108** Uni Wide P2	**1402109** Uni Wide P2	**1402110** Uni Wide P2	**1402111** Uni Wide P2
8.38	9.38	10.38	11.38	12.38	13.38
7.61	8.61	9.61	10.61	11.61	12.61
6.38	7.38	8.38	9.38	10.38	11.38
329.4	511.7	543.2	603.3	634.8	694.9
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	X
0	0	X	X	X	X
0	0	X	X	X	X
L0 R8	L0 R12	X	X	X	X
0	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.

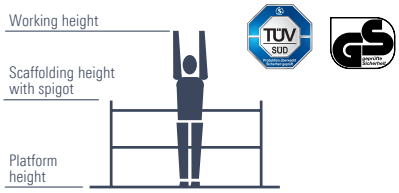
Uni Wide with stabilizers

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	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
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
Telescoping stabilizer - 2.60m	1248.260	4	4	4	4	4	4	0	0	0	0	0	0
Rotation preventer for stabilizers	1248.261	4	4	4	4	4	4	4	4	4	4	4	4
Stabilizer 5 m	1248.500	0	0	0	0	0	0	4	4	4	4	4	4
Spring clip	1250.000	12	12	16	16	20	20	12	12	16	16	20	20
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
Uni assembly hook	1300.010	1	1	1	1	1	1	1	1	1	1	1	1
Access ledger 0.75 m	1344.003	1	1	1	1	1	1	1	1	1	1	1	1
Castor 700 - 7 kN	1359.200	4	4	4	4	4	4	4	4	4	4	4	4
End toe board 1.44 m	1438.144	2	2	2	2	2	2	2	2	2	2	2	2
Toe board 2.85 m with claw	1439.285	2	2	2	2	2	2	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below											

Conforms to standard **DIN EN 1004:2021**

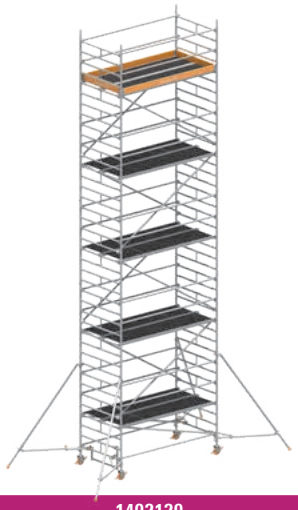


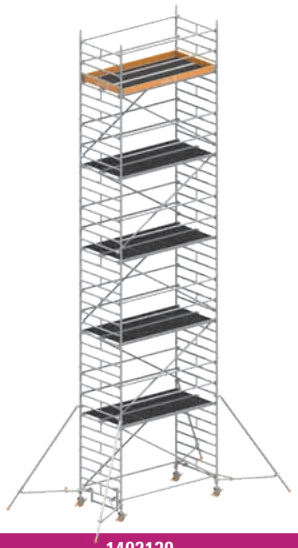
The Uni Wide family with stabilizers, extendable

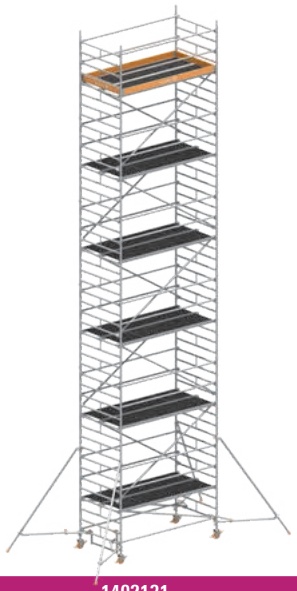
Tower model	1402126 Uni Wide P2 with stabilizers	1402127 Uni Wide P2 with stabilizers	1402128 Uni Wide P2 with stabilizers
Working height [m]	8.20	9.20	10.20
Tower height [m]	7.43	8.43	9.43
Standing height [m]	6.20	7.20	8.20
Weight [kg] (without ballast)	389.7	466.2	481.3
Ballast (stated in units)			
In closed areas			
Assembly central	0	0	0
Assembly off-set	L0 R2	L0 R2	L0 R2
Assembly off-set with wall bracing	0	0	0
Outdoors			
Assembly central	0	0	X
Assembly off-set	L0 R14	L0 R18	X
Assembly off-set with wall bracing	0	0	X

* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

Tower model	1402146 Uni Wide P2 with stabilizers – 5m	1402147 Uni Wide P2 with stabilizers – 5m	1402148 Uni Wide P2 with stabilizers – 5m	1402149 Uni Wide P2 with stabilizers – 5m	1402150 Uni Wide P2 with stabilizers – 5m	1402151 Uni Wide P2 with stabilizers – 5m
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
Standing height [m]	6.20	7.20	8.20	9.20	10.20	11.20
Weight [kg] (without ballast)	415.3	491.8	506.9	583.4	598.5	675.0
Ballast (stated in units)						
In closed areas						
Assembly central	0	0	0	0	0	0
Assembly off-set	0	0	L0 R2	L0 R2	L0 R2	L0 R2
Assembly off-set with wall bracing	0	0	0	0	0	0
Outdoors						
Assembly central	0	0	X	X	X	X
Assembly off-set	L0 R10	L0 R12	X	X	X	X
Assembly off-set with wall bracing	0	0	X	X	X	X







1402129 Uni Wide P2 with stabilizers	1402130 Uni Wide P2 with stabilizers	1402131 Uni Wide P2 with stabilizers
11.20	12.20	13.20
10.43	11.43	12.43
9.20	10.20	11.20
557.8	572.9	649.4
0	0	0
L0 R2	L0 R4	L0 R4
0	0	0
X	X	X
X	X	X
X	X	X

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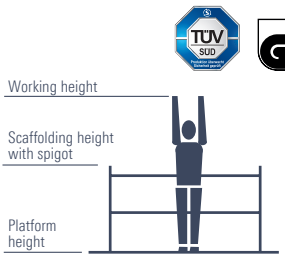
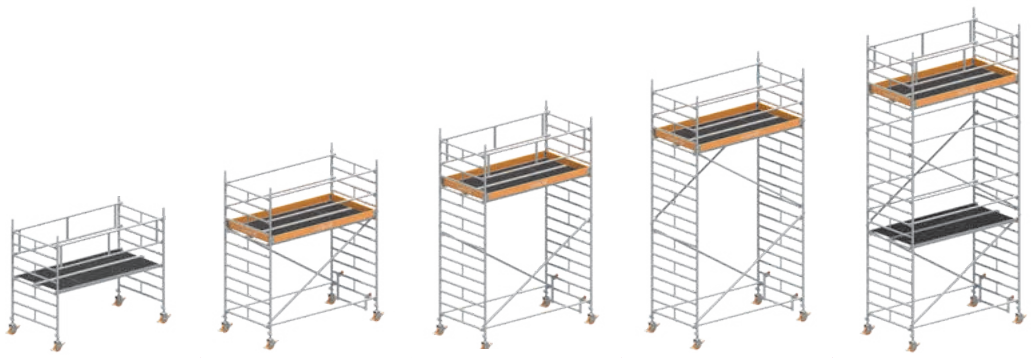
Uni Wide

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 onwards).

Tower model	Ref. No.	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111
Guardrail 2.85 m	1205.285	0	6	2	6	8	9	9	11	13	15	15
Double guardrail 2.85 m	1206.285	2	0	2	0	2	0	2	0	2	0	2
Diagonal brace 3.35 m	1208.285	0	2	2	4	4	6	6	8	8	10	10
Deck 2.85 m	1241.285	1	1	1	1	2	2	2	2	3	3	3
Access deck 2.85 m	1242.285	1	1	1	1	2	2	2	2	3	3	3
Spring clip	1250.000	0	4	4	8	8	16	16	20	20	24	24
Ladder frame 150/4 - 1.00 m	1299.004	0	2	0	2	0	2	0	2	0	2	0
Ladder frame 150/8 - 2.00 m	1299.008	2	2	4	4	6	6	8	8	10	10	12
Mobile beam 3.20 m with bar adj.	1323.320	0	0	0	0	0	2	2	2	2	2	2
Base strut 2.85 m	1324.285	0	0	0	0	0	1	1	1	1	1	1
Access ledger 0.75 m	1344.003	0	1	1	1	1	0	0	0	0	0	0
Castor 700 - 7 kN	1359.200	4	4	4	4	4	4	4	4	4	4	4
End toe board 1.44 m	1438.144	0	2	2	2	2	2	2	2	2	2	2
Toe board 2.85 m with claw	1439.285	0	2	2	2	2	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below										





The Uni Wide family

Tower model	2101 Uni Wide	2102 Uni Wide	2103 Uni Wide	2104 Uni Wide	2105 Uni Wide
Working height [m]	3.20	4.20	5.20	6.20	7.20
Tower height [m]	2.43	3.43	4.43	5.43	6.43
Standing height [m]	1.20	2.20	3.20	4.20	5.20
Weight [kg] (without ballast)	111.6	162.6	177.2	198.2	276.0
Ballast (stated in units)					
In closed areas					
Assembly central	0	0	l2 r2	l4 r4	l4 r4
Assembly off-set	0	0	l2 r2	l4 r4	l4 r4
Assembly off-set with wall bracing	0	0	l2 r0	l4 r0	l4 r0
Assembly central with 1 bracket	X	l0 r8	l0 r12	l0 r14	l0 r14
Assembly central with 2 brackets	X	l3 r3	l16 r16	l8 r8	l7 r7
Outdoors					
Assembly central	0	l3 r3	l6 r6	l11 r11	l16 r16
Assembly off-set	X	X	X	X	X
Assembly off-set with wall bracing	X	X	X	X	X
Assembly central with 1 bracket	X	l0 r18	l2 r22	l6 r26	l12 r30
Assembly central with 2 brackets	X	l10 r10	X	X	X

The products shown (pages 100 and 101) are only standard-compliant by purchasing the retrofit set (page 101) according to DIN EN 1004:2021.

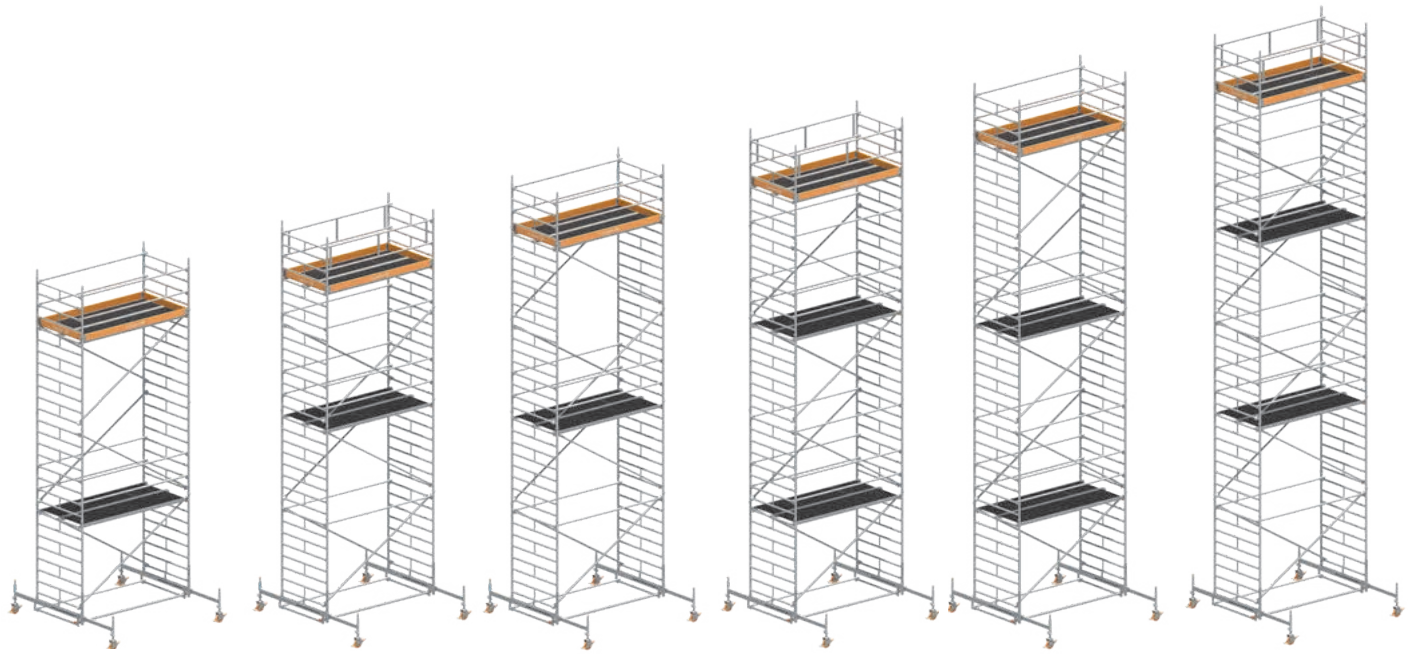
* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assemby variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).
Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

Retrofitting table

Simply safe with the P2 retrofit kits: The rollings can be easily retrofitted to the safety structure P2, to conform to the current standards.

Retrofit set	Ref. No.	1400039	1400011	1400012	1400013	1400014	1400015	1400016	1400017	1400018	1400019	1400020
for tower model		2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111
Guardrail 2.85 m	1205.285	0	0	4	4	2	3	4	5	4	5	6
Diagonal brace 2.95 m	1208.295	0	0	2	0	2	0	2	0	2	0	2
Deck 2.85 m	1241.285	0	1	1	2	1	2	2	3	2	3	3
Access deck 2.85 m	1242.285	0	0	1	1	1	1	2	2	2	2	3
Uni assembly hook	1300.010	0	1	1	1	1	1	1	1	1	1	1
Access ledger 0.75 m	1344.003	0	1	0	1	0	0	0	0	0	0	0
End toe board 1.44 m	1438.144	2	0	0	0	0	0	0	0	0	0	0
Toe board 2.85 m with claw	1439.285	2	0	0	0	0	0	0	0	0	0	0

* 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.



2106 Uni Wide	2107 Uni Wide	2108 Uni Wide	2109 Uni Wide	2110 Uni Wide	2111 Uni Wide
8.38	9.38	10.38	11.38	12.38	13.38
7.61	8.61	9.61	10.61	11.61	12.61
6.38	7.38	8.38	9.38	10.38	11.38
377.6	406.6	420.4	498.2	512.0	541.0
0	0	0	0	0	0
0	0	0	0	L0 R2	L0 R2
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	X	X	X
L1 R1	L5 R5	X	X	X	X
L0 R6	L4 R14	X	X	X	X
L2 R0	L8 R2	X	X	X	X
L0 R6	X	X	X	X	X
X	X	X	X	X	X

UNI COMFORT

THE UNIVERSAL TOWER WITH CONVENIENT STAIRWAY ACCESS

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

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

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

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

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

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

TECHNCAL DATA

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

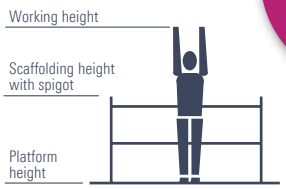

Layher
Layher

Uni Comfort

Part list

The Layher modular system permits problem-free expansion of your rolling tower (for pictures see page 114 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
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
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
Uni assembly hook	1300.010	1	1	1	1	1	1
Horizontal diagonal brace, adj.	1318.000	0	0	2	2	2	2
Base strut 1.80 m	1324.180	1	1	1	1	1	1
Stairway guardrail 1.20 m	1327.120	1	1	1	1	1	1
Access ledger 0.75 m	1344.003	2	2	2	2	2	2
Castor 700 - 7 kN	1359.200	4	4	8	8	8	8
End toe board 1.44 m	1438.144	2	2	2	2	2	2
Toe board 1.80 m with claw	1439.180	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below					

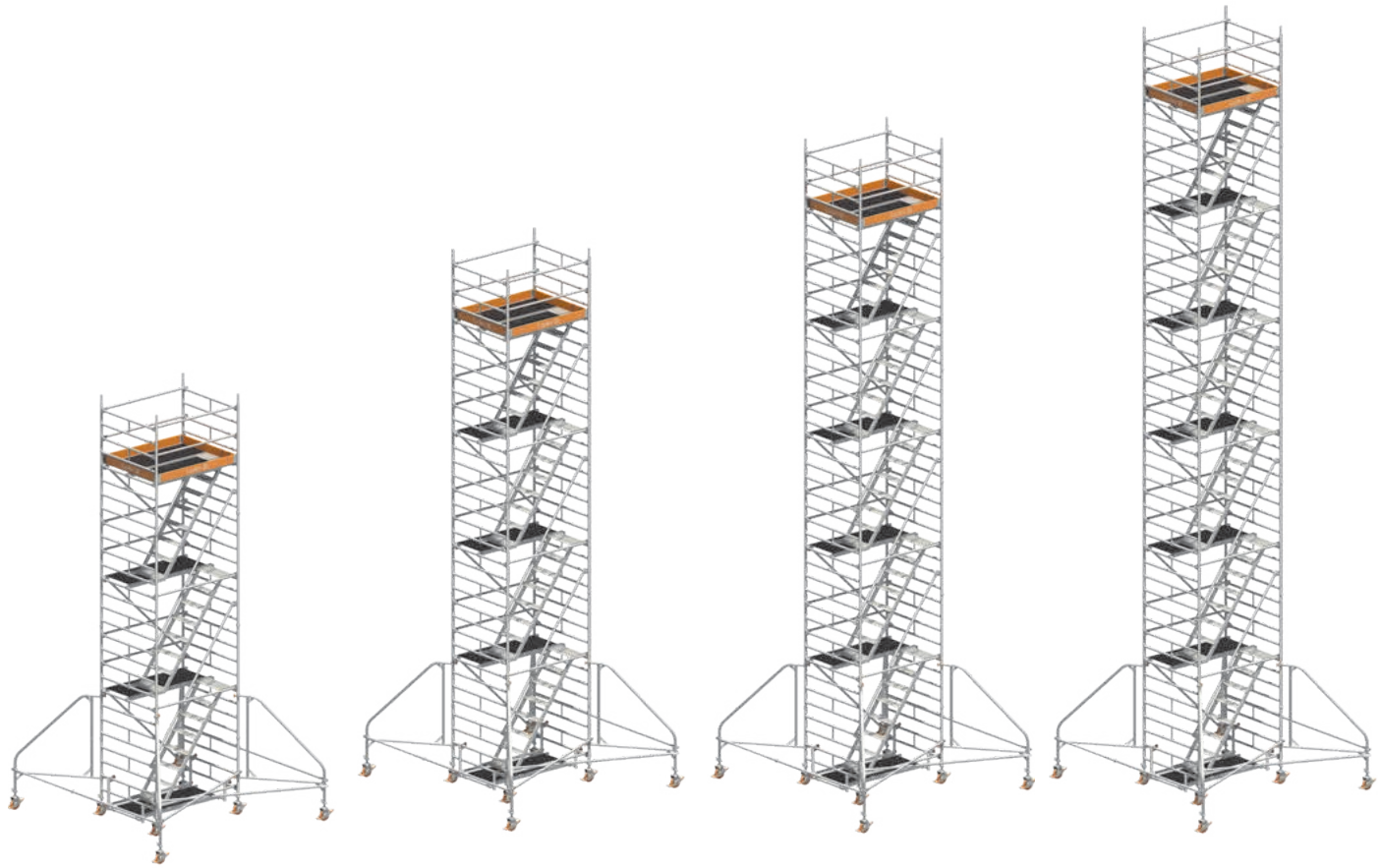


Conforms to standard **DIN EN 1004:2021**

The Uni Comfort family

Tower model	4201 Uni Comfort	4202 Uni Comfort
Working height [m]	4.20	6.20
Tower height [m]	3.43	5.43
Standing height [m]	2.20	4.20
Weight [kg] (without ballast)	167.7	237.9
Ballast (stated in units)		
In closed areas		
Assembly central without outrigger	0	6
Assembly central	Δ	Δ
Assembly off-set	Δ	Δ
Assembly off-set with wall bracing	Δ	Δ
Outdoors		
Assembly central without outrigger	2	16
Assembly central	Δ	Δ
Assembly off-set	Δ	Δ
Assembly off-set with wall bracing	Δ	Δ

X = not possible / not permissible 0 = no ballast required Δ = 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 assemby 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.

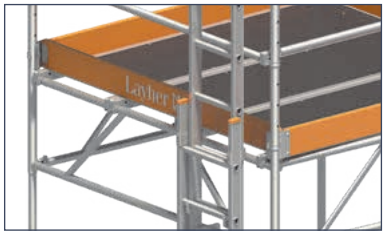


4203 Uni Comfort	**4204** Uni Comfort	**4205** Uni Comfort	**4206** Uni Comfort
8.20	10.20	12.20	14.20
7.43	9.43	11.43	13.43
6.20	8.20	10.20	12.20
389.5	459.7	529.9	600.1
X	X	X	X
0	0	0	0
2	4	6	8
0	0	0	0
X	X	X	X
0	0	X	X
20	X	X	X
0	4	X	X

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

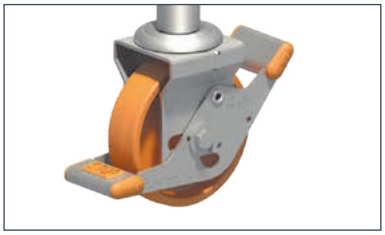
THE READY-MADE TOWER FOR FREEDOM OF MOVEMENT AND A LARGE WORKING AREA



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.



Sturdy castors (d=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.

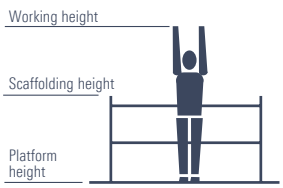
Conforms to standard **DIN EN 1004:2021**

Type 7000

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

TECHNICAL DATA

- Working height: 3.75 m
- Area of working platform: 1.95 x 1.95 m
- Permissible live load: 1.5 kN / m² (load class 2)



Part list

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

Tower model	7000	7001
Working height [m]	2.80 – 3.75*	2.80 – 3.75
Tower heigth [m]	1.89 – 2.63*	1.89 – 2.63
Standing height [m]	0.80 – 1.75*	0.80 – 1.75
Weight [kg]	99.9	132.5

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

The product shown, type 7000, is only in conformity with standards when using the additional equipment (intermediate guardrail 1.90 m = 2 x 1224.190, Staro guardrail = 2 x 1227.190), toe boards = 2 x 1438.190, 2 x 1439.195 and ladder for Staro rolling tower = 1246.006). The scaffolding may only be accessed via the ladder (1246.006).

PU = packaging unit = available ex works = delivery time on request = only available in this packaging unit

ALU BRIDGING BEAM

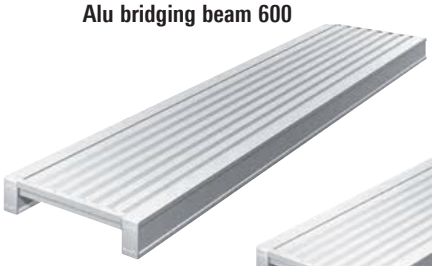
THE WORKING DECK UP TO 10 M LONG

TECHNICAL DATA

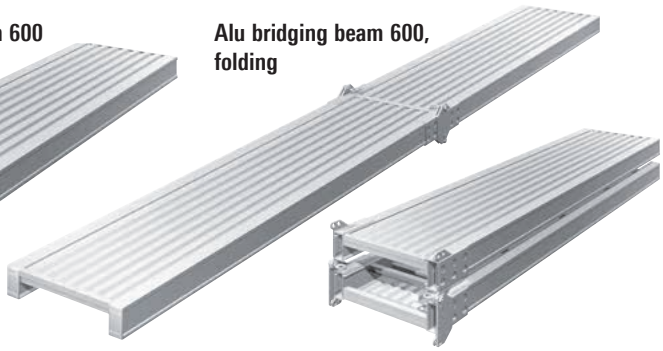
- Conforms to DIN EN 12811-1
- Permissible load class 2 (1.5 kN / m² up to 10 m length)
- Permissible load class 3 (2 kN / m² up to 7.10 m length)

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



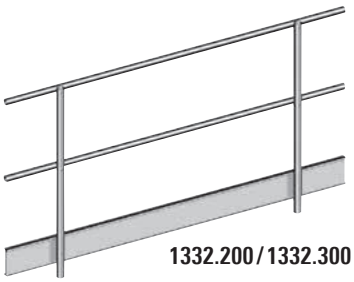
Alu bridging beam 600, folding



1331.000 clamp
see page 123.

Description	Min. Length [m]	Max. Length [m]	Load [kN / m²]	Width [m]	Outer width [mm]	Height [m]	Height folded [m]	Weight [kg]	Ref. No.	Ref. No. side protection
Alu bridging beam 600	3.18	-	2.0	0.60	-	0.09	-	20.0	**1348.318**	6201
	4.12	-	2.0	0.60	-	0.09	-	26.0	**1348.412**	6202
	4.74	-	2.0	0.60	-	0.09	-	29.0	**1348.475**	6203
	5.21	-	2.0	0.60	-	0.12	-	38.0	**1348.520**	6204
	6.15	-	2.0	0.60	-	0.12	-	45.0	**1348.615**	6205
	7.08	-	2.0	0.60	-	0.12	-	52.0	**1348.710**	6206
	8.02	-	1.5	0.60	-	0.15	-	68.0	**1348.800**	6207
	9.11	-	1.5	0.60	-	0.15	-	76.0	**1348.910**	6208
	10.05	-	1.5	0.60	-	0.15	-	85.0	**1348.100**	6209
Alu bridging beam 600, folding	2.60	5.16	1.5	0.60	0.75	0.12	0.38	47.0	**1349.510**	6210
	3.70	7.36	1.5	0.60	0.75	0.12	0.38	61.0	**1349.730**	6211
	4.60	9.16	1.5	0.60	0.75	0.15	0.44	86.0	**1349.915**	6212

1333.000



1332.200 / 1332.300

1330.000

Side protection for Alu bridging beam 600 | Part list

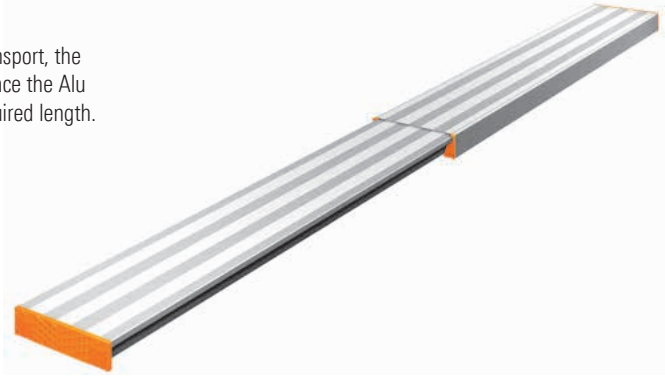
KIT-No.	Ref. No.	6201	6202	6203	6204	6205	6206	6207	6208	6209	6210	6211	6212
Guardrail fixture	1330.000	2	4	4	4	4	6	6	6	8	4	4	8
Double guardrail	1332.200	0	2	1	1	0	2	1	0	2	2	0	4
Double guardrail	1332.300	1	0	1	1	2	1	2	3	2	0	2	0
Guardrail locking clip	1333.000	1	2	2	2	2	3	3	3	4	2	2	4

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**

Max. Length [m]	Min. Length [m]	Weight approx. [kg]	Ref. No.
2.9	1.64	13.0	**1351.290**
3.5	1.92	16.0	**1351.350**
4	2.27	18.0	**1351.400**
4.4	2.49	20.0	**1351.440**



PU = packaging unit = available ex works = delivery time on request = only available in this packaging unit

BRACKET DECK SURFACES

WORKING SERVICE WIDENING FOR UNI STANDARD AND UNI WIDE

Special designs are individualized tower structures that make work safer and faster at many construction sites.
The examples on this page show the widening of the top scaffolding level and the formation of several working levels using console brackets. For these tower forms, we have acquired the GS safety inspection certificate that is sufficient for the use of the tower and eliminates the need for structural strength verification otherwise required.

TECHNICAL DATA

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

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

KIT-No.	Ref. No.	9100	9200
Guardrail 2.85 m	1205.285	2	2
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 2.85 m	1339.285	1	2
Alu console bracket 0.75 m	1341.075	2	4
End toe board 0.75 m	1438.075	2	4

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

BG BAU-SUPPORTED PRODUCTS

LADDERS AND ROLLING TOWERS

Supported by BG BAU

YOUR PATHWAY TO BONUS SUPPORT:

- All Layher products shown here are supported by BG Bau.
- Members of BG Bau receive bonus support on the basis of the purchase costs
- Send the application with a copy of the invoice to BG Bau.
- You can find the application form, and other support schemes, at: **bg-foerderung.layher-steigtechnik.com.**
- BG Bau will reimburse you for some of the costs. Examples for reimbursement can be found with the products.

Layher extension step ladder, **50%, up to max. €300.–.**

Layher aluminium heavy-duty steps (3 and 4 steps), **50%, up to max. €300.–.**

Layher platform ladder (4, 5 and 6 steps), **50%, up to max. €500.–.**

SoloTower telescoping guardrail, **50%, up to max. €1500.–.**

SoloTower stair kit, **50%, up to max. €1500.–.**

Layher suspended step ladders oder stair flight for rolling towers of the Uni rolling tower family, **50%, up to max. €500.–.**

Aluminium stair 111, **50%, up to max. €750.–.**

Aluminium stair with platform 112, **50%, up to max. €750.–.**

Aluminium maintenance platform 113, **50%, up to max. €500.–.**

CASTORS FROM LAYHER

Ref. No.	Description	Castor type	Illustration	Wheel	Wheel diameter [mm]	Bearing type (wheel hub)
1359.200	Castor 700	Height adjustable castor		Polyamide wheel	200	Plain bearing (steel sleeve in plastic hub)
1358.200	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)
1301.150	Castor 400	Castor with tube connector		Polyamide wheel	150	Plain bearing (steel sleeve in plastic hub)
1303.150	Polyurethane Castor 400	Castor with tube connector		Polyamide wheel with polyurethane tire	150	Plain bearing (steel sleeve in plastic hub)
1300.150	Castor d=150 mm with spindle 250	Height-adjustable castor		Polyamide wheel	150	Plain bearing (steel sleeve in plastic hub)

	Max. perm. load [kg] – braked	Max. dyn. load [kg] – unbraked – at 4 km/h and over a distance of 2500 m without obstacles	Temperature resistance	Application
	700	350	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
	700	350	–20 °C to +50 °C	Firm ground with sensitive surface! E.g.: Tiles / natural stone / parquet / laminate **Careful with sprung floors such as floors of sports halls, the max. load of the floor applies here, otherwise provision of a load-distributing base (plywood boards) is essential!**
	1000	1000	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
	1000	800	–25 °C to +70 °C, short-term to +90 °C	Firm ground with sensitive surface! E.g.: Tiles / natural stone / parquet / laminate **Useable in explosive or EiSD areas, thanks to the bleeder resistance < 10^4 Ω.** **Careful with sprung floors such as floors of sports halls, the max. load of the floor applies here, otherwise provision of a load-distributing base (plywood boards) is essential!**
	1200	960	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
	400	200	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
	400	200	–20 °C to +50 °C	Firm ground with sensitive surface! E.g.: Tiles / natural stone / parquet / laminate **Careful with sprung floors such as floors of sports halls, the max. load of the floor applies here, otherwise provision of a load-distributing base (plywood boards) is essential!**
	400	400	–20 °C to +50 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt

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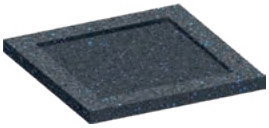

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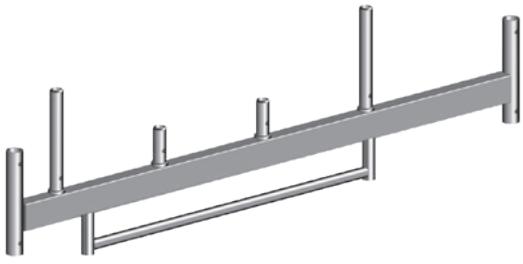

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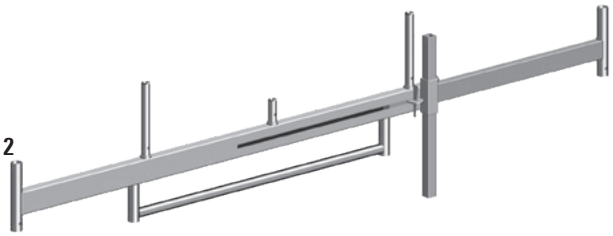

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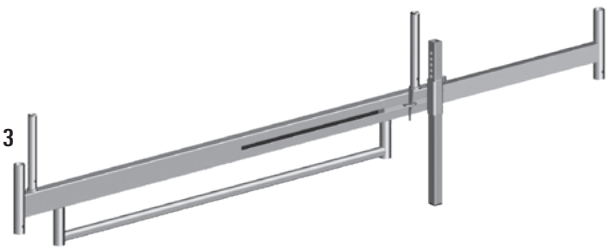

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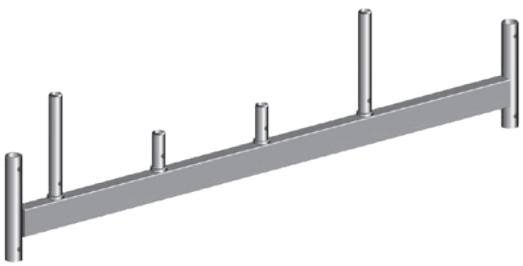

Pos.	Description	Dimensions [m]	Weight approx. [kg]	Ref. No.	SoloTower	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro
1	**Castor 400, d=150 mm** Plastic wheel, with simple brake lever. Permissible load: 4 kN (≈ 400 kg)	d=0.15	2.5	**1301.150**		▸	▸					
2	**Castor 400, d=150 mm with polyurethane tyre** Plastic wheel with polyurethane tyre, special wheel for sensitive floor surfaces. Permissible load: 4 kN (≈ 400 kg)	d=0.15	2.7	**1303.150**		▸	▸					
3	**Castor, d=150 mm with spindle 250** Plastic wheel, with base jack, adjustment range 0.2 – 0.35 m, castor with double brake lever and load centering in the braked state. Permissible load: 7 kN (≈ 700 kg)	d=0.15	3.9	**1300.150**	▸	▸	▸	▸	▸	▸	▸	
4	**Castor 700** Plastic wheel, d=200 mm. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 7.0 kN (≈ 700 kg)	d=0.20	6.8	**1359.200**	▸	▸	▸	▸	▸	▸	▸	
5	**Castor 700, with polyurethane tyre** Plastic wheel, d=200 mm. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 7.0 kN (≈ 700 kg)	d=0.20	7.0	**1358.200**	▸	▸	▸	▸	▸	▸	▸	
6	**Castor 1000** Plastic wheel, d=200 mm of polyamide. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 10 kN (≈ 1,000 kg)	d=0.20	6.3	**1260.201**	▸	▸	▸	▸	▸	▸	▸	
7	**Castor 1000, with electroconductive polyurethane coating** Plastic wheel, d=200 mm of polyamide with coating of electroconductive polyurethane. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 10 kN Special castor for sensitive floorings and thanks to electro-conductability also usable in explosive or ESD areas. Bleeder resistance according to DIN EN 12526 < 10^4 Ω	d=0.20	6.8	**1260.202**	▸	▸	▸	▸	▸	▸	▸	
8	**Castor 1200, with half-coupler** reinforced plastic wheel, d=200 mm, with base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock. Permissible load: 12 kN (≈ 1,200 kg)	d=0.20	12.0	**1267.200**	▸	▸	▸	▸	▸	▸	▸	
9	**Adjustable base plate 60 with lock** steel, hot-dip galvanized, with nut, base plate 150 x 150 mm, max. spindle travel 0.40 m	0.60	3.8	**1257.060**	▸	▸	▸	▸	▸	▸	▸	
10	**Rubber pad for base plate**		0.4	**4000.500**	▸		▸		▸			
11	**Mobile beam with bar** Steel rectangular tube, hot-dip-galvanized. For widening the base of towers	1.80	16.9	**1323.180**		▸	▸		▸			
12	**Mobile beam with bar, adjustable** Steel rectangular tube, hot-dip-galvanized. System component for base widening	2.30 – 3.20	42.5	**1323.320**				▸	▸	▸		
13	**Mobile beam with 2 spigots, adjustable** Steel rectangular tube, hot-dip-galvanized. For widening the base for special mobile assemblies. System assemblies only possible in conjunction with Ref. No. 1337.000 (see page 117)	2.30 – 3.20	42.6	**1338.320**		▸	▸	▸	▸	▸		
14	**Mobile beam** Steel rectangular tube, hot-dip-galvanized. For widening the base of towers	1.80	14.4	**1214.180**		▸	▸					

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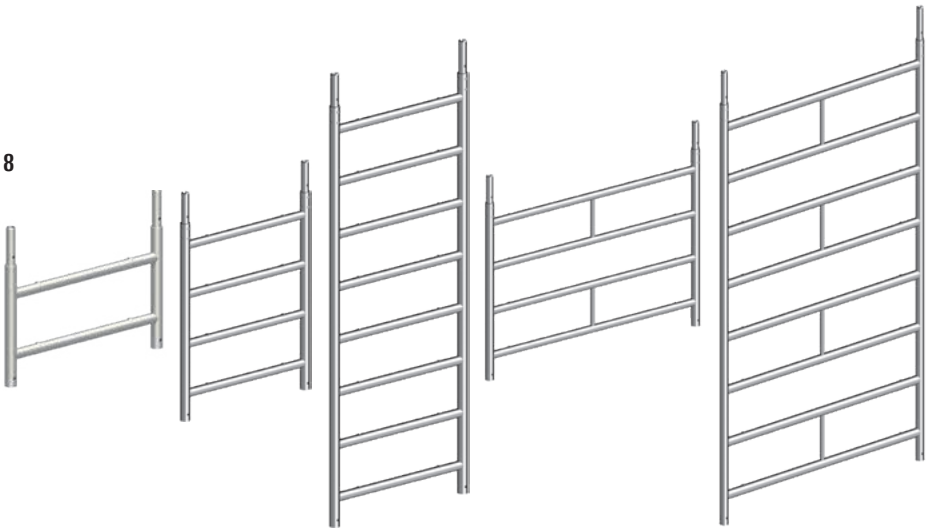

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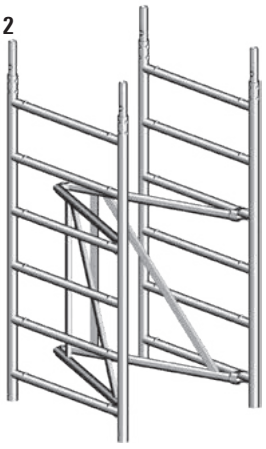

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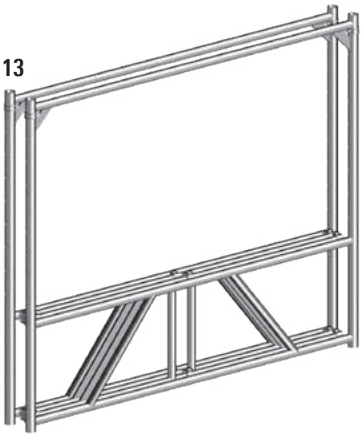

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Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	Ref. No.	SoloTower	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro
1	**Basic tube** steel tube, hot-dip galvanized	1.80	7.7	**1211.180**		▸	▸	▸				
		2.85	12.2	**1211.285**					▸	▸		
2	**Base strut** with 2 half-couplers, steel tube, hot-dip galvanized	1.80	6.2	**1324.180**		▸	▸	▸			▸	
		2.85	9.3	**1324.285**					▸	▸		
3	**Telescopic spacer tube 1.25 m**	1.25 – 1.90	3.0	**1275.001**	▸		▸		▸			
4	**Access ledger** aluminium	0.30	2.9	**1344.002**		▸	▸		▸			
		0.75	3.3	**1344.003**				▸		▸	▸	
5	**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**	▸	▸	▸	▸	▸	▸	▸	
6	**Spigot, adjustable** steel, hot-dip galvanized. System assemblies only possible in conjunction with Ref. No. 1338.320 (see page 115)		2.1	**1337.000**		▸	▸	▸	▸	▸		
7	**Guardrail support**	1.00	1.3	**1297.100**		▸	▸	▸	▸	▸	▸	
8	**Ladder frame** aluminium, Rungs with non-slip grooving	0.50 x 0.75	2.7	**1297.002**	▸	▸	▸		▸			
		1.00 x 0.75	4.7	**1297.004**	▸	▸	▸		▸			
		2.00 x 0.75	8.6	**1297.008**		▸	▸		▸			
		1.00 x 1.50	7.0	**1299.004**				▸		▸	▸	
		2.00 x 1.50	13.5	**1299.008**				▸		▸	▸	
9	**Passageway ladder frame** aluminium, Rungs with non-slip grooving	2.00 x 0.75	10.1	**1296.008**	▸		▸		▸			
10	**Suspension ladder 75** aluminium, Rungs with non-slip grooving Spigot bolted using 4 bolts M12 x 60 with nuts	1.00 x 0.75	6.3	**1298.004**		▸	▸		▸			
		2.00 x 0.75	10.3	**1298.008**		▸	▸		▸			
11	**Suspended ladder**	0.40 x 1.80	2.8	**1247.006**	▸		▸		▸			
12	**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**		▸						
13	**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**								▸
14	**Leg tube with castor 400** d=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	**1312.150**								▸

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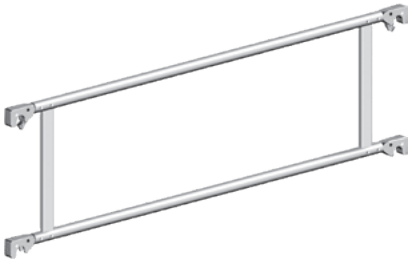

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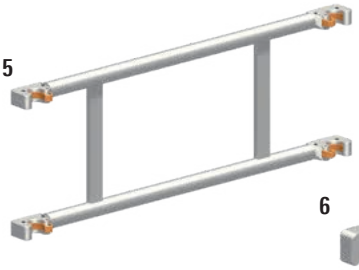

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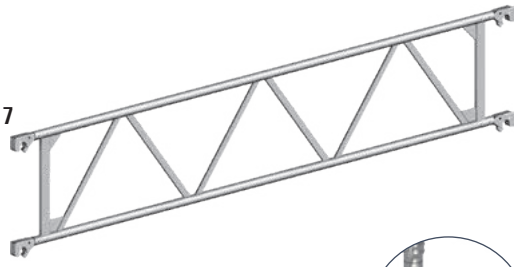

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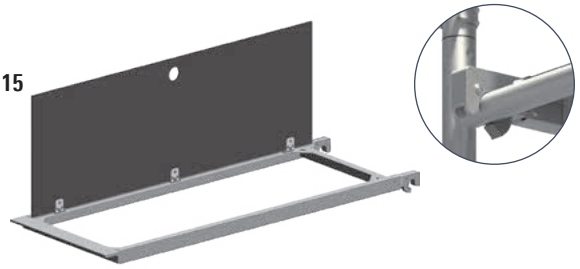

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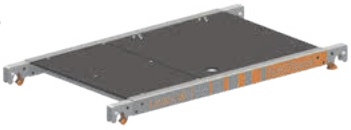

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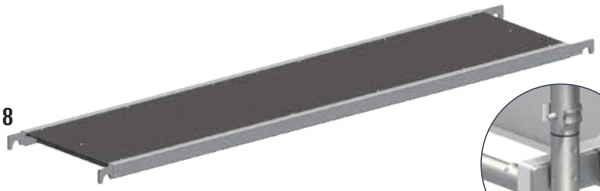

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Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	Ref. No.	SoloTower	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro
1	**Spring clip,** steel		0.1	**1250.000**	▸	▸	▸	▸	▸	▸	▸	▸
2	**Guardrail,** aluminium	1.80	2.3	**1205.180**		▸	▸	▸			▸	
		2.85	3.6	**1205.285**					▸	▸		
3	**Staro guardrail,** aluminium	1.90	2.7	**1227.190**								▸
4	**Double guardrail,** aluminium	1.80 x 0.50	5.8	**1206.180**		▸	▸	▸				
		2.85 x 0.50	8.0	**1206.285**					▸	▸		
5	**SoloTower double guardrail,** aluminium	1.13 x 0.50	5.9	**1342.113**	▸							
6	**SoloTower telescopic guardrail,** aluminium	1.13 - 1.72	3.0	**1204.113**	▸							
7	**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**					▸	▸		
8	**Intermediate guardrail** aluminium	1.90	1.9	**1224.190**								▸
9	**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**					▸	▸		
10	**Deck diagonal brace** aluminium	2.50	4.2	**1347.250**		▸	▸	▸			▸	
		3.35	5.0	**1347.335**					▸	▸		
11	**Horizontal diagonal brace** aluminium	1.95	3.5	**1209.180**		▸	▸					
		2.95	4.6	**1209.285**					▸		▸	
12	**Horizontal diagonal brace, adjustable** aluminium	3.20 – 4.00	6.1	**1318.000**						▸	▸	
13	**Deck** aluminium frame, with plywood deck and hatch with phenolic resin coating	1.80 x 0.68	13.3	**1241.180**		▸	▸	▸			▸	
		2.85 x 0.68	20.0	**1241.285**					▸	▸		
14	**Staro deck** aluminium frame, with plywood deck and hatch with phenolic resin coating	1.90 x 0.60	13.1	**1241.190**								▸
15	**Stairway access deck** aluminium frame, with plywood deck and hatch with phenolic resin coating.	1.80 x 0.68	12.2	**1243.180**							▸	
16	**Access deck** aluminium frame, with plywood deck and hatch with phenolic resin coating	1.80 x 0.68	15.0	**1242.180**		▸	▸	▸				
		2.85 x 0.68	21.6	**1242.285**					▸	▸		
17	**SoloTower access deck** aluminium frame, with plywood deck and hatch with phenolic resin coating	0.75 x 1.13	11.4	**1242.113**	▸							
18	**Bridging deck** Only for use in double structures of Uni Standard towers	2.85 x 0.66	19.8	**1343.285**				▸				
19	**Intermediate deck,** aluminium for console bracket structures	2.85 x 0.23	10.5	**1339.285**				▸	▸			

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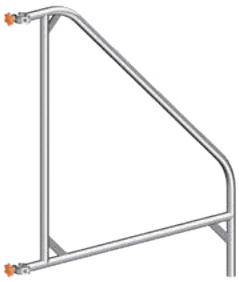

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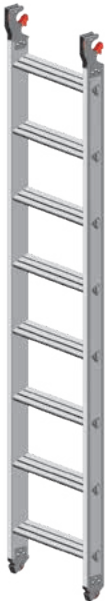

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Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	Ref. No.	SoloTower	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro
1	**Toe board,** wood for twin towers and bridging deck	0.60 x 0.15	3.5	**1340.058**					▸			
2	**Toe board with claw,** wood	1.80 x 0.15	4.2	**1439.180**		▸	▸	▸			▸	
		1.95 x 0.15	4.2	**1439.195**								▸
		2.85 x 0.15	5.6	**1439.285**					▸	▸		
3	**End toe board,** wood	0.75 x 0.15	1.6	**1438.075**		▸	▸		▸			
		1.44 x 0.15	2.9	**1438.144**				▸		▸	▸	
		1.90 x 0.15	3.9	**1438.190**								▸
4	**SoloTower toe board unit,** aluminium		5.6	**1240.113**	▸							
5	**Landing stairway,** aluminium		15.5	**1212.180**							▸	
6	**Stairway guardrail,** aluminium for use for landing-type stairway Ref. No. 1212.180	3.07	3.8	**1213.180**							▸	
7	**Strut for outrigger,** aluminium locks the outrigger Ref. No. 1216.000	3.75	5.4	**1217.375**							▸	
8	**Outrigger,** aluminium for widening the bases of higher structures. Locking with horizontal diagonal brace Ref. No. 1209.285	1.50	8.2	**1216.000**							▸	
9	**Stairway guardrail,** aluminium	1.20	1.8	**1327.120**							▸	
10	**Guardrail,** aluminium for twin towers and bridging	0.58 x 0.50	4.7	**1342.058**					▸			
11	**Rotation preventer,** aluminium	0.5	2.8	**1248.261**	▸	▸	▸	▸	▸	▸		
12	**Stabilizer,** aluminium	1.80	4.2	**1248.180**		▸	▸	▸	▸	▸		
13	**Stabilizer, extendable,** aluminium	2.60 – 3.40	8.5	**1248.260**		▸	▸	▸	▸	▸		
14	**Stabilizer,** aluminium	5.00	14.9	**1248.500**					▸	▸		
15	**SoloTower stabilizer,** aluminium	1.2 – 2.1	5.2	**1248.000**	▸							
16	**Ladder for Staro rolling tower,** aluminium 6 double rungs		7.8	**1246.006**								▸
17	**Suspended step ladder,** aluminium 8 steps, with snap-on hook and castors at the ladder base	2.20	6.8	**1314.108**					▸	▸		
18	**Ladder support set** for suspended ladder Ref. No. 1314.108		2.0	**1314.109**					▸	▸		
19	**Uni distance tube,** aluminium tube, with hook and rubber foot	1.10	1.4	**1275.110**	▸	▸	▸		▸			
		1.80	2.1	**1275.180**	▸			▸		▸	▸	
20	**Swivel coupler** steel, galvanized	WS 19	1.5	**4702.019**	▸	▸	▸	▸	▸	▸	▸	
		WS 22	1.5	**4702.022**	▸	▸	▸	▸	▸	▸	▸	
21	**Double coupler** steel, galvanized	WS 19	1.3	**4700.019**	▸	▸	▸	▸	▸	▸	▸	
		WS 22	1.3	**4700.022**	▸	▸	▸	▸	▸	▸	▸	

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Components

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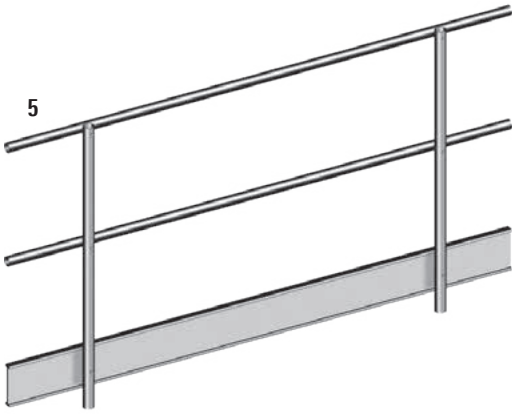

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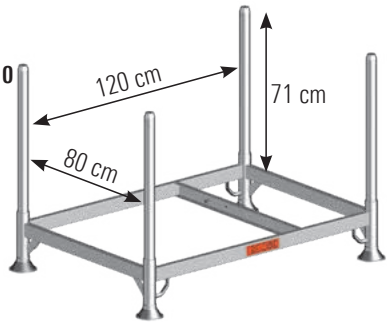

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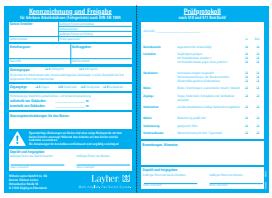

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Spare parts

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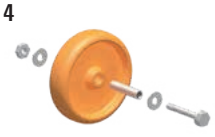

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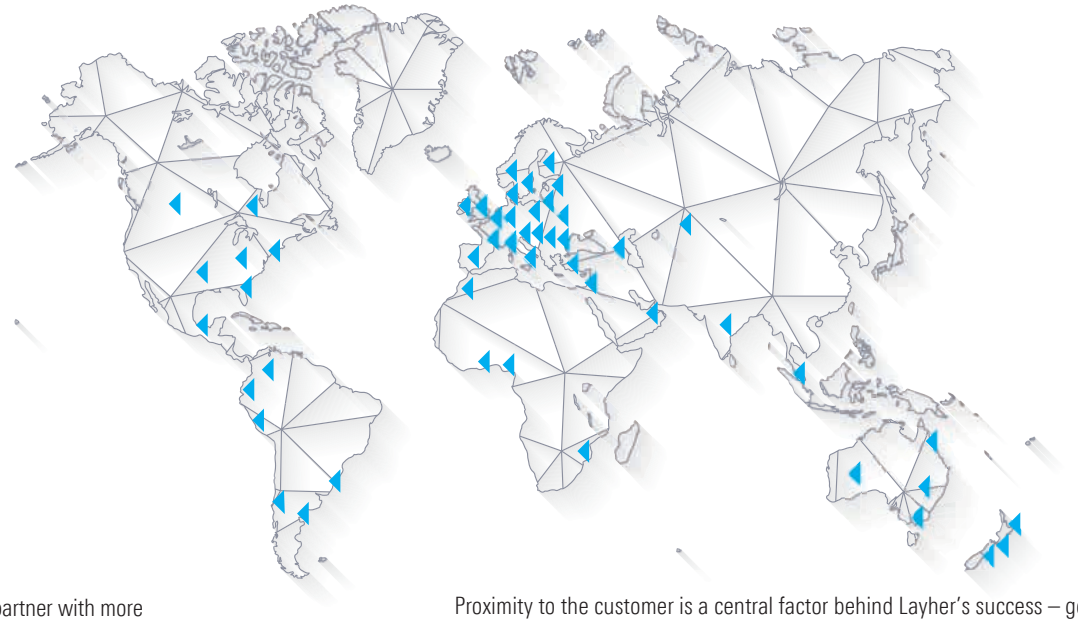
Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	Ref. No.	SoloTower	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro	Alu bridg. beam 600
1	**Hand wheel with bush**		0.1	**6491.422**	▸	▸	▸	▸	▸	▸	▸		
2	**Uni assembly hook,** pair		1.2	**1300.010**		▸	▸	▸	▸	▸	▸		
3	**SoloTower assembly hook,** 4 pieces		1.2	**1300.002**	▸								
4	**Console bracket,** aluminium for widening of the work platform on one or two sides	0.75 x 0.90	5.4	**1341.075**					▸	▸			
5	**Double guardrail with toe board,** aluminium folds together for transport	2.00 x 1.10 3.00 x 1.10	9.7 12.9	**1332.200** **1332.300**									▸ ▸
6	**Guardrail fixture,** aluminium for fastening the double guardrail to the Alu bridging beam for Ref. No. 1332.xxx	0.50	0.9	**1330.000**									▸
7	**Guardrail locking pin,** steel for securing the double guardrail with the guardrail fixture for Ref. No. 1330.xxx		0.1	**1333.000**									▸
8	**Guardrail mounting standard,** aluminium for connecting the three-part brick guard made from scaffolding tubes, guardrail clamps and toe board	1.20	2.4	**1334.000**									▸
9	**Clamp,** steel for connecting the Alu bridging beams Ref. No.1348.xxx		0.4	**1331.000**									▸
10	**Tube pallet 125** steel, hot-dip galvanized, length of pallet posts: 0.86 m, load 1,500 kg.	1.37 x 0.97	32.0	**5105.125**		▸	▸	▸	▸	▸	▸	▸	
11	**SoloTower assembly bag**		0.2	**1300.003**	▸	▸	▸	▸	▸	▸	▸	▸	▸
12	**Identification sign** Block à 50 pcs.		0.5	**6344.400**	▸	▸	▸	▸	▸	▸	▸	▸	
13	**See-through pocket** for Ref. No. 6344.400, 10 pcs. ▦ with integrated prohibition sign		0.4	**6344.011**	▸	▸	▸	▸	▸	▸	▸	▸	

Spare parts

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	PU	Ref. No.
14	**Wheel including axle** for Ref. No. 1308.150 / 1302.150 / 1301.150 / 1312.150	d=0.15	0.6		**6496.921**
15	**Wheel including axle** for Ref. No. 1309.150 / 1303.150	d=0.15	0.6		**6491.501**
16	**Wheel including axle** for Ref. No. 1259.200 / 1259.201 / 1359.200	d=0.20	0.9		**6496.922**
17	**Finger 42 mm pair, blue** complete with springs and rivets		0.4	**2** ▦	**6491.416**
18	**Finger 42 mm pair, grey** complete with springs and rivets		0.4	**2** ▦	**6491.417**
19	**Finger 42 mm pair, orange** complete with springs and rivets		0.4	**2** ▦	**6496.923**
20	**Finger 48 mm pair, orange** complete with springs and rivets		0.4	**2** ▦	**6496.924**

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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Ochsenbacher Strasse 56
74363 Gueglingen-Eibensbach
Germany

Post Box 40
74361 Gueglingen-Eibensbach
Germany
Telephone +49 (0) 71 35 70-0
Telefax +49 (0) 71 35 70-2 65
E-mail export@layher.com
www.layher.com

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