Layher®

More Possibilities. The Scaffolding System.

LAYHER ROLLING TOWER CATALOGUE

SAFETY INCLUDED

Edition 04.2017
Ref. No. 8118.228

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

COMPANY
FROM PAGE 4

ZIFA UNI LIGHT
FROM PAGE 12

UNI STANDARD UNI WIDE
FROM PAGE 28

MORE ROLLING TOWERS
FROM PAGE 44

CASTORS COMPONENTS
FROM PAGE 62

NOTICE

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

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

Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. These include the following provisions: The place of performance is Gueglingen-Eibensbach. Title to the delivered goods shall be retained until full payment has been made.

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QUALITY MADE BY LAYHER

Headquarters in Eibensbach

Plant 2 in Gueglingen

HERE IS THE BEATING HEART OF LAYHER.

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

MORE POSSIBILITIES. THE SCAFFOLDING SYSTEM.

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

MORE INFORMATION

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

MORE SAFETY

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

MORE SPEED

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

MORE EXPERIENCE

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

MORE QUALITY

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

MORE KNOWLEDGE

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

LAYHER ROLLING TOWERS

THE QUALITY IS IN THE DETAILS

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

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

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

YOUR BENEFITS AT A GLANCE

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

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

WHEELS

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

LADDER FRAMES

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

GUARDRAILS AND DIAGONAL BRACES WITH SNAP-ON CLAWS

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

DECKS

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

STABILITY

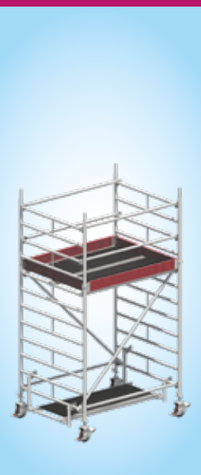
The stability of the rolling tower must be assured for every phase of its assembly and dismantling. Depending on the assembly height and whether the tower is assembled outdoors or in a closed room, the following measures must be taken:

- installation of mobile beam
- use of stabilisers
- ballasting

Rolling towers

LAYHER ROLLING TOWERS

THE RIGHT ROLLING TOWER FOR EACH TASK

Tower model	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro rolling tower
							
Description / Features	Fits through room doors when assembled and loaded, requires little space for transport	Ideal for cramped conditions at the place of use	Double-width working surface, yet with compact outer dimensions.	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
Dimensions of working platform	0.75 x 1.80 m	0.75 x 1.80 m	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
Max. working height (in closed areas)	7.76 m	9.26 m	10.38 m	13.38 m	13.38 m	14.20 m	3.90 m
Max. working height (outdoors)	7.76 m	9.26 m	9.38 m	9.38 m	9.38 m	10.20 m	3.90 m
Permissible live load	2.0 kN / m²	2.0 kN / m²	2.0 kN / m²	2.0 kN / m²	2.0 kN / m²	2.0 kN / m²	1.5 kN / m²
Maximum permissible UDL*	240 kg	240 kg	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

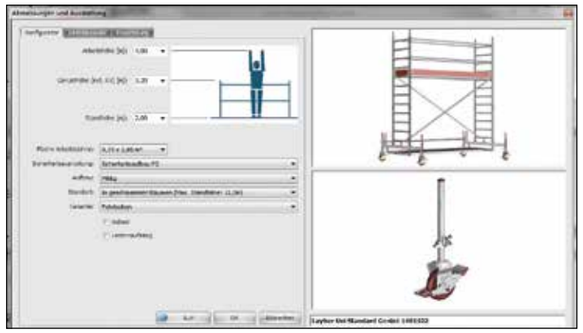
LAYPLAN ROLLING TOWER-CONFIGURATOR

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.

YOUR BENEFITS AT A GLANCE

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



LayPLAN Rolling Tower Configurator

More safety, when using Layher rolling towers

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

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

The New Safety Structure P2

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

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

CAN BE RETROFITTED WITH THE LAYHER MODULAR SYSTEM:

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

YOUR BENEFITS AT A GLANCE

The ingeniously simple assembly principle

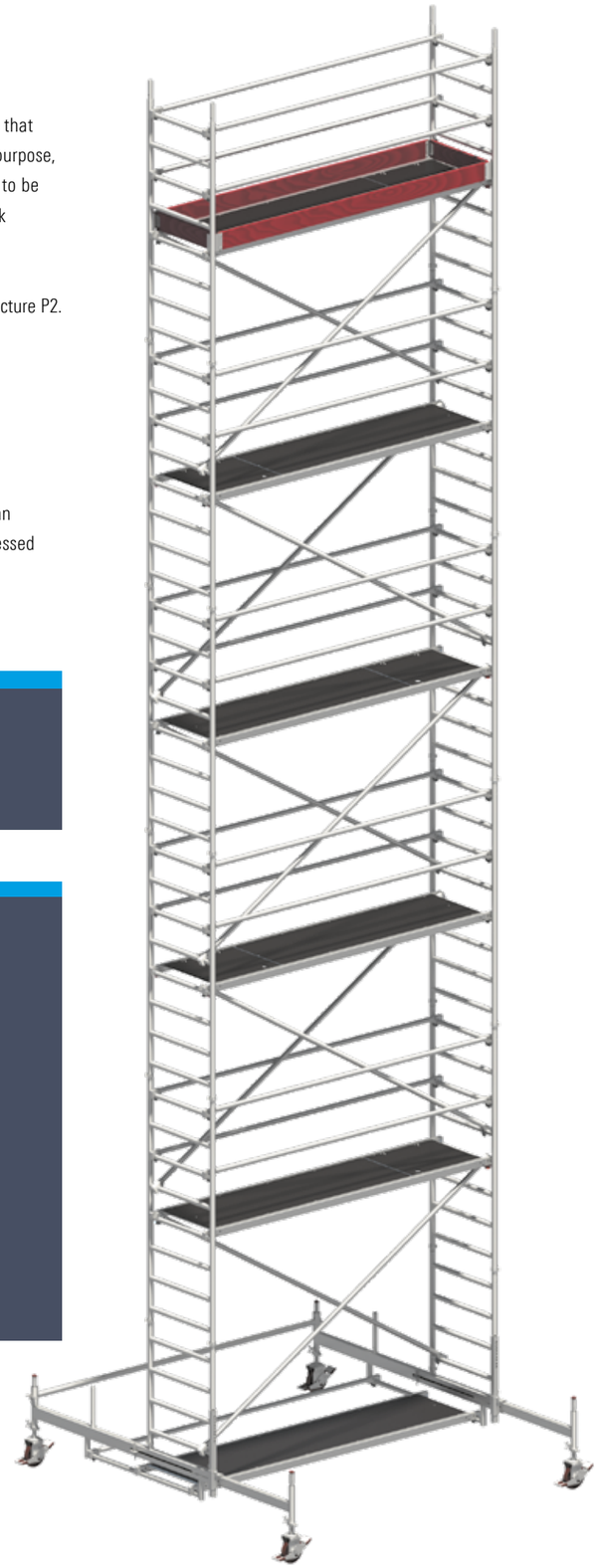
- All round side protection already in place when accessing the next platform up.
- More stability in the rolling tower thanks to additional stiffeners.

Platforms spaced 2 meters apart:

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

The innovative Uni assembly hook:

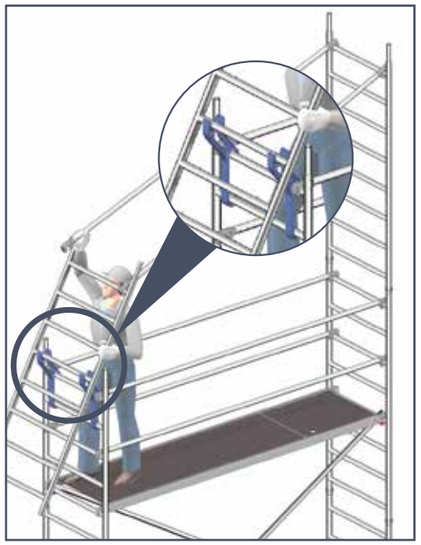
- Considerably simplifies assembly and ensures fast and hitch-free assembly and dismantling.



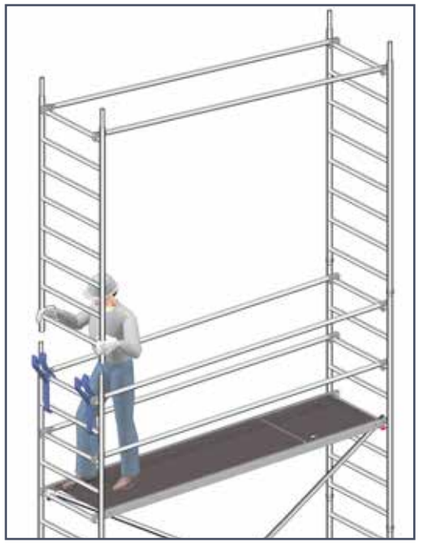
The principle – Simple. Swift. Safe.

1 Fit the first ladder frame.

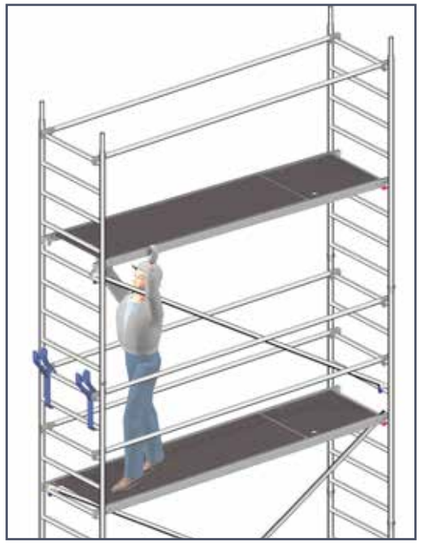
Attach the Uni assembly hooks and position the second ladder frame for fitting of the rear guardrails.



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



3 Insert diagonal braces and access deck.



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

LEARN MORE

about the safety structure P2
on YouTube unter:
yt-p2-en.layher.com

ZIFA

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

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

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

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

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

Strong castors (permanently fitted) ensure particular stability.

The zifa family can also be equipped with stabilizers.
Learn more about that on page 18.

TECHNICAL DATA

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

Part list

The Layher modular system permits problem-free expansion of your rolling tower.

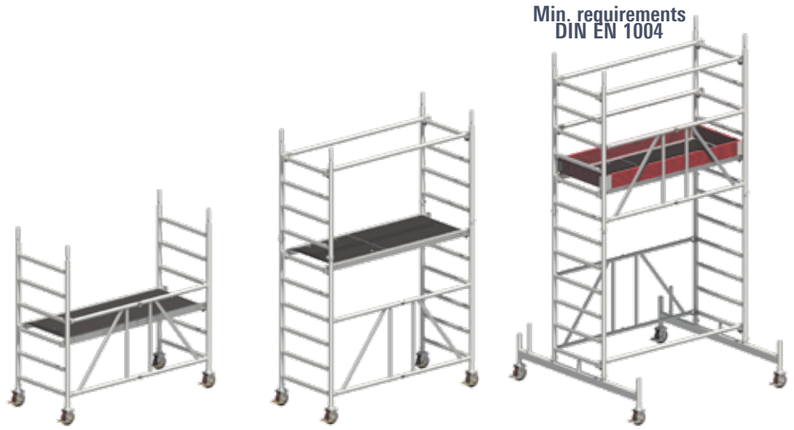
Tower model	Ref. No.	1406200	1406210	1406213 (623)	1406214 (624)	1406215	1406216 (625)
Guardrail 1.80 m	1205.180	0	2	4 (4)	9 (4)	8	13 (8)
Diagonal brace 2.50 m	1208.180	0	0	1 (0)	2 (2)	4	4 (3)
Diagonal brace 1.95 m	1208.195	0	0	0 (0)	1 (0)	0	1 (0)
Horizontal diagonal brace 1.95 m	1209.180	0	0	0 (0)	0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

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

Working height

Scaffolding height with spigot

Platform height



Min. requirements DIN EN 1004

The Zifa family

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

* 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.

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

Min. requirements DIN EN 1004

Min. requirements DIN EN 1004

624 Min. requirements DIN EN 1004	625 Min. requirements DIN EN 1004
5.76	7.26
4.98	6.48
3.76	5.26
140.2	199.5
I2 r2	I4 r4
L2 R4	L0 R8
L4 R0	L8 R0
I2 r2	I4 r4
L0 R4	L0 R10
L4 R0	L8 R0

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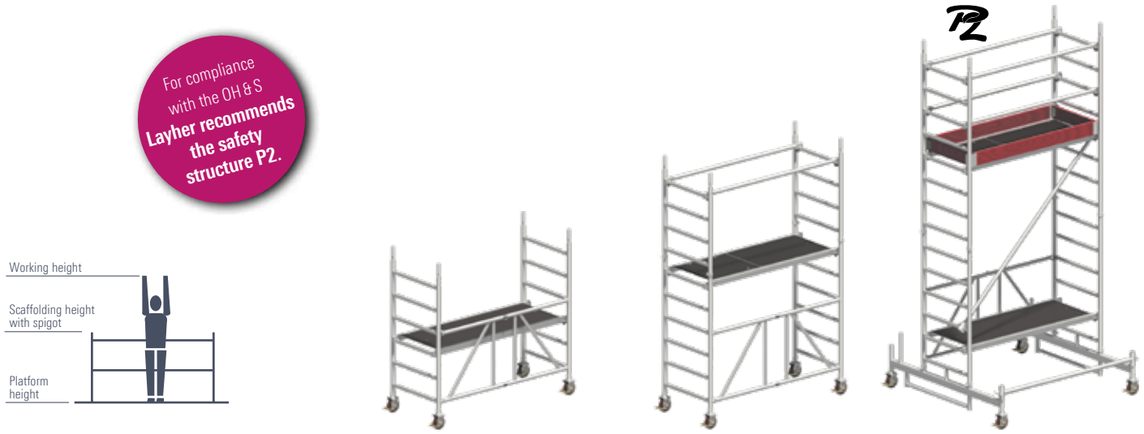
Part list

The Layher modular system permits problem-free expansion of your rolling tower.

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

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



The Zifa family

Tower model	1406200	1406210	1406213 Safety structure P2
Working height [m]	2.86	3.61	4.76
Tower height [m]	1.83	2.83	3.98
Platform height [m]	0.86	1.61	2.76
Weight [kg] (without ballast)	42.0	58.0	140.5
Ballast (stated in units)			
In closed areas			
Assembly central*	l4 r4*	l6 r6	0 0
Assembly off-set	X	X	l0 r2
Assembly off-set with wall bracing	l4 r0*	l6 r0	0 0
Outdoors			
Assembly central	l4 r4*	l6 r6	0 0
Assembly off-set	X	X	l0 r2
Assembly off-set with wall bracing	l4 r0*	l6 r0	0 0

1406214 Safety structure P2	1406215 Safety structure P2	1406216 Safety structure P2
5.76	6.76	7.76
4.98	5.98	6.98
3.76	4.76	5.76
169.6	192.2	218.0
l2 r2	l4 r4	l4 r4
l0 r4	l0 r6	l0 r8
l2 r0	r6 l0	l8 r0
l2 r2	l4 r4	l4 r4
l0 r6	l0 r8	X
l4 r0	l8 r0	l16 r0

* 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.

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Part list

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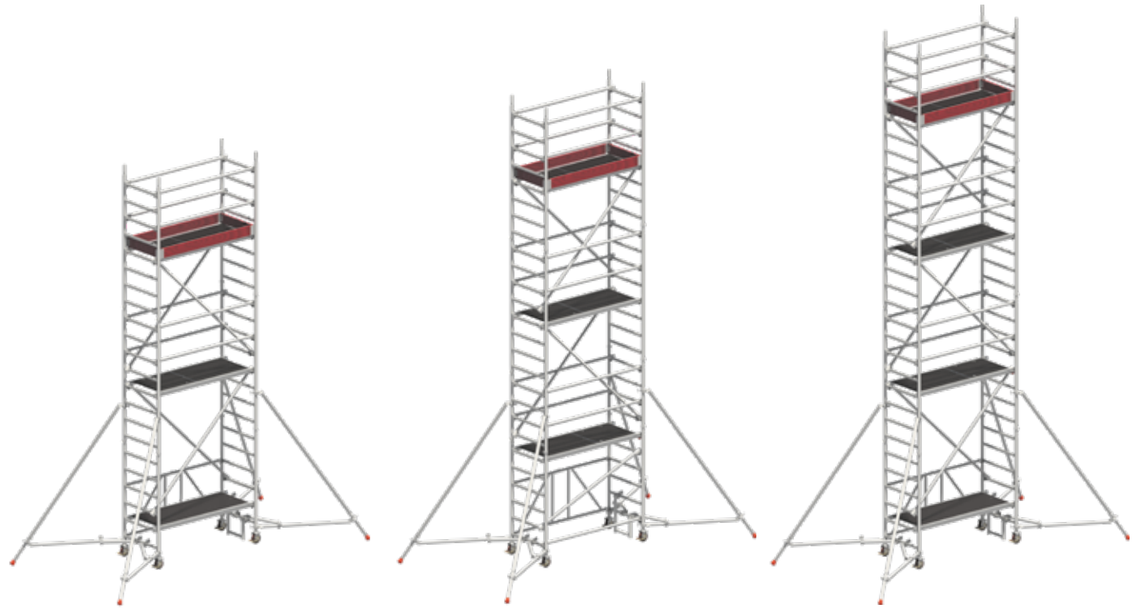
Tower model	Ref. No.	1406233	1406234	1406235	1406236	1406237
Guardrail 1.80 m	1205.180	4	9	8	13	12
Diagonal brace 2.50 m	1208.180	1	2	4	4	6
Diagonal brace 1.95 m	1208.195	0	1	0	1	0
End toe board 0.75 m	1238.075	2	2	2	2	2
Toe board 1.80 m with claw	1239.180	2	2	2	2	2
Deck 1.80 m	1241.180	1	0	1	0	1
Access deck 1.80 m	1242.180	1	2	2	3	3
Alu stabilizer, extendable	1248.260	4	4	4	4	4
Rotation preventer	1248.261	4	4	4	4	4
Ladder frame 75 / 4 – 1.00 m	1250.000	4	8	8	12	12
Ladder frame 75 / 8 – 2.00 m	1297.004	0	2	0	2	0
Uni assembly hook	1297.008	2	2	4	4	6
Zifa 75 basic tower	1300.001	1	1	1	1	1
Castor 400 – 4 kN	1300.006	1	1	1	1	1
Mobile beam with bar	1381.150	4	4	4	4	4
Access ledger 0.30 m	1344.002	1	1	1	1	1
Ballast	1249.000	For requirement see table below				

The Zifa family

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



1406235 Safety structure P2	1406236 Safety structure P2	1406237 Safety structure P2
6.61	7.61	8.61
5.83	6.83	7.83
4.61	5.61	6.61
197.2	223.0	245.6
0	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

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UNI LIGHT

THE PRACTICAL ROLLING TOWER FOR WORKING IN CRAMPED CONDITIONS

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

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

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

Strong castors (permanently fitted) ensure particular stability.

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

The Uni Light family can also be equipped with stabilizers.
Learn more about that on page 26.

TECHNICAL DATA

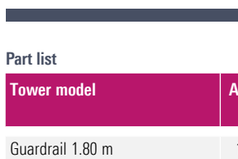
- Max. working height: 9.26 m
- Area of working platform: 0,75 x 1,80 m
- Permissible live load: 2 kN / m² (scaffolding group 3)

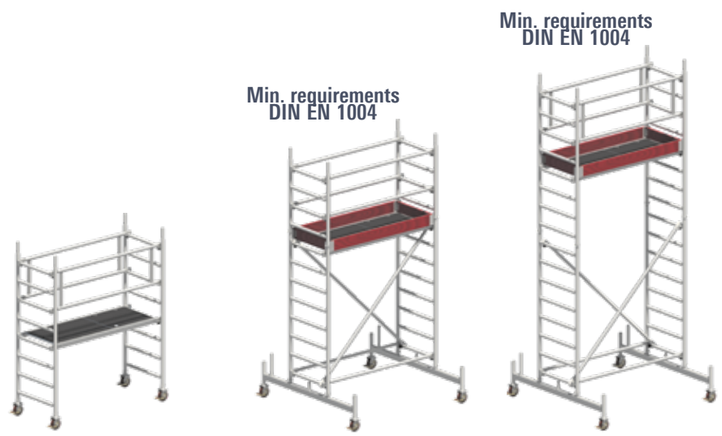
Part list

The Layher modular system permits problem-free expansion of your rolling tower.

Tower model	Artikel-Nr.	1403201	1403202 (3202)	1403203 (3203)	1403204 (3204)	1403205 (3205)	1403206 (3206)	1403207 (3207)
Guardrail 1.80 m	1205.180	0	4 (6)	9 (2)	8 (6)	13 (8)	12 (12)	17 (10)
Double guardrail 1.80 m	1206.180	2	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)
Diagonal brace 2.50 m	1208.180	0	2 (2)	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)
Diagonal brace 1.95 m	1208.195	0	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)
Horizontal diagonal brace 1.95 m	1209.180	0	0 (0)	0 (0)	0 (1)	0 (1)	0 (1)	0 (1)
Basic tube 1.80 m	1211.180	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Mobile beam 1.80 m without bar	1214.180	0	0 (2)	0 (2)	0 (2)	0 (2)	0 (2)	0 (2)
End toe board 0.75 m	1238.075	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Toe board 1.80 m with claw	1239.180	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Deck 1.80 m	1241.180	0	1 (0)	0 (0)	1 (0)	0 (0)	1 (0)	0 (0)
Access deck 1.80 m	1242.180	1	1 (1)	2 (1)	2 (1)	3 (2)	3 (2)	4 (2)
Spring clip 11 mm	1250.000	0	8 (8)	8 (8)	12 (12)	12 (12)	16 (16)	16 (16)
Ladder frame 75 / 4 – 1.00 m	1297.004	0	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)
Ladder frame 75 / 8 – 2.00 m	1297.008	2	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)
Castor 400 – 4 kN	1308.150	4	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)
Mobile beam with bar	1323.180	0	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)
Uni assembly hook	1300.001	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Ballast	1249.000	For requirement see table below						

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





The Uni Light family

Tower model	1403201	3202 Min. requirements DIN EN 1004	3203 Min. requirements DIN EN 1004
Working height [m]	3.11	4.26	5.26
Tower height [m]	2.33	3.48	4.48
Platfrom height [m]	1.11	2.26	3.26
Weight [kg] (without ballast)	52.3	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

* 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).

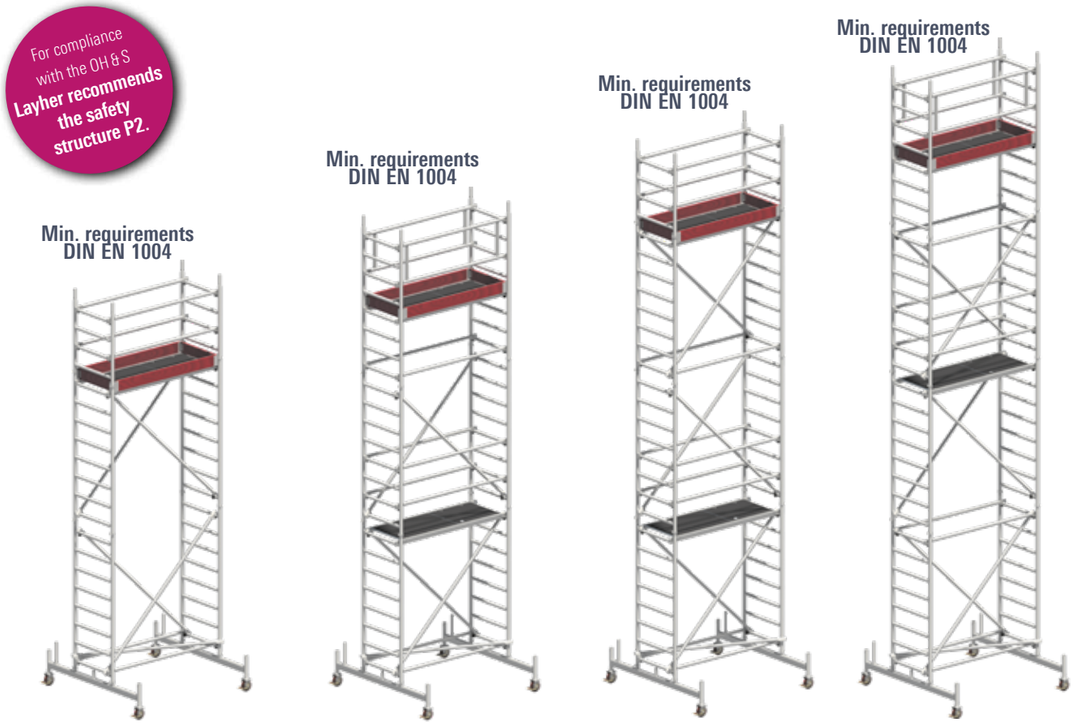
Retrofitting Table

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

Retrofit Set	Ref. No.	1400021	1400022	1400023	1400024	1400025	1400026
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
Deck 1.80 m	1241.180	0	0	0	0	0	0
Access deck 1.80 m	1242.180	0	1	1	1	1	2
Uni assembly hook	1300.001	1	1	1	1	1	1

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

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



3204 Min. requirements DIN EN 1004	3205 Min. requirements DIN EN 1004	3206 Min. requirements DIN EN 1004	3207 Min. requirements DIN EN 1004
6.26	7.26	8.26	9.26
5.48	6.48	7.48	8.48
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

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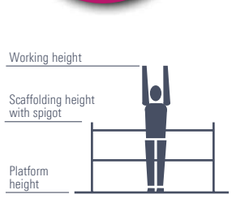
Part list

The Layher modular system permits problem-free expansion of your rolling tower.

Tower model	Artikel-Nr.	1403201	1403202 (3202)	1403203 (3203)	1403204 (3204)	1403205 (3205)	1403206 (3206)	1403207 (3207)
Guardrail 1.80 m	1205.180	0	4 (6)	9 (2)	8 (6)	13 (8)	12 (12)	17 (10)
Double guardrail 1.80 m	1206.180	2	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)
Diagonal brace 2.50 m	1208.180	0	2 (2)	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)
Diagonal brace 1.95 m	1208.195	0	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)
Horizontal diagonal brace 1.95 m	1209.180	0	0 (0)	0 (0)	0 (1)	0 (1)	0 (1)	0 (1)
Basic tube 1.80 m	1211.180	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Mobile beam 1.80 m without bar	1214.180	0	0 (2)	0 (2)	0 (2)	0 (2)	0 (2)	0 (2)
End toe board 0.75 m	1238.075	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Toe board 1.80 m with claw	1239.180	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Deck 1.80 m	1241.180	0	1 (0)	0 (0)	1 (0)	0 (0)	1 (0)	0 (0)
Access deck 1.80 m	1242.180	1	1 (1)	2 (1)	2 (1)	3 (2)	3 (2)	4 (2)
Spring clip 11 mm	1250.000	0	8 (8)	8 (8)	12 (12)	12 (12)	16 (16)	16 (16)
Ladder frame 75 / 4 – 1.00 m	1297.004	0	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)
Ladder frame 75 / 8 – 2.00 m	1297.008	2	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)
Castor 400 – 4 kN	1308.150	4	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)
Mobile beam with bar	1323.180	0	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)
Uni assembly hook	1300.001	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Ballast	1249.000	For requirement see table below						

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



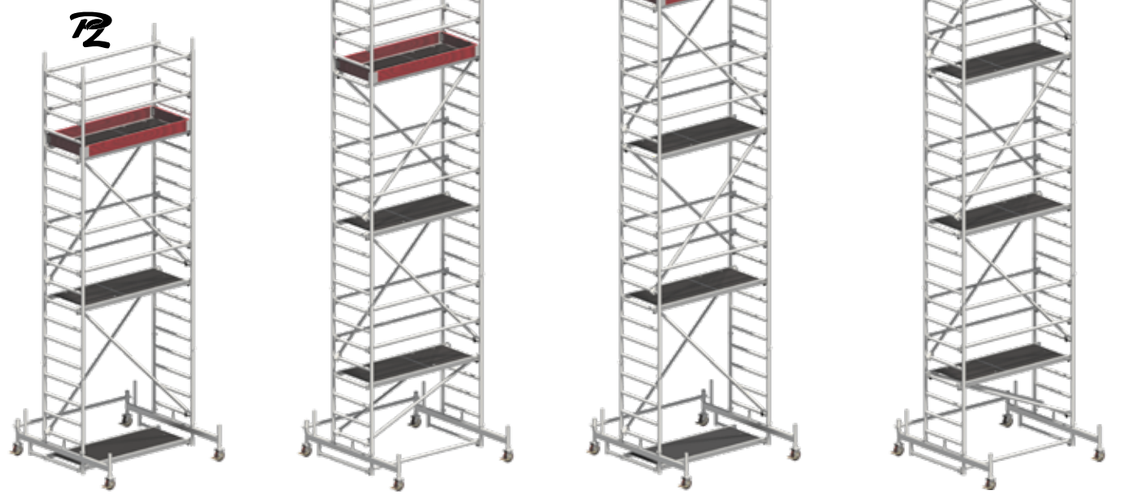
The Uni Light family

Tower model	1403201	1403202 Safety structure P2	1403203 Safety structure P2
Working height [m]	3.11	4.26	5.26
Tower height [m]	2.33	3.48	4.48
Platfrom height [m]	1.11	2.26	3.26
Weight [kg] (without ballast)	52.3	133.1	159.7
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).

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



1403204 Safety structure P2	1403205 Safety structure P2	1403206 Safety structure P2	1403207 Safety structure P2
6.26	7.26	8.26	9.26
5.48	6.48	7.48	8.48
4.26	5.26	6.26	7.26
181.5	208.1	229.9	256.5
l2 r2	l3 r3	l5 r5	l6 r6
L0 R4	L0 R6	L2 R8	L2 R10
L2 R2	L4 R2	L6 R4	L6 R6
l3 r3	l5 r5	l9 r9	l13 r13
L0 R6	L0 R10	L4 R14	X
L4 R2	L6 R4	L10 R8	X

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Part list

The Layher modular system permits problem-free expansion of your rolling tower.

Tower model	Ref. No.	1403223	1403224	1403225	1403226	1403227
Guardrail 1,80 m	1205.180	10	10	14	14	18
Diagonal brace 2.50 m	1208.180	2	4	4	6	6
Diagonal brace 1.95 m	1208.195	2	0	2	0	2
End toe board 0.75 m	1238.075	2	2	2	2	2
Toe board 1.80 m with claw	1239.180	2	2	2	2	2
Access deck 1.80 m	1242.180	2	2	3	3	4
Alu stabilizer, extendable	1248.260	4	4	4	4	4
Rotation preventer	1248.261	4	4	4	4	4
Spring clip 11 mm	1250.000	4	8	8	12	12
Ladder frame 75 / 4 – 1.00 m	1297.004	0	2	0	2	0
Ladder frame 75 / 8 – 2.00 m	1297.008	4	4	6	6	8
Uni Assembly hook	1300.001	1	1	1	1	1
Castor 400 – 4 kN	1381.150	4	4	4	4	4
Access ledger 0.30 m	1344.002	1	1	1	1	1
Ballast	1249.000	For requirement see table below				

The Uni Light family with stabilizers

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

1403225 Safety structure P2	1403226 Safety structure P2	1403227 Safety structure P2
7.10	8.10	9.10
6.35	7.35	8.35
5.10	6.10	7.10
216.6	227.4	265.0
0	l2 r2	l2 r2
L0 R10	L0 R12	L0 R14
0	0	0
l3 r3	l6 r6	l8 r8
L0 R14	X	X
0	0	l2 r0

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).

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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 34.

TECHNICAL DATA

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

Convenient access

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

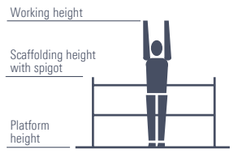
For requirement see page 33

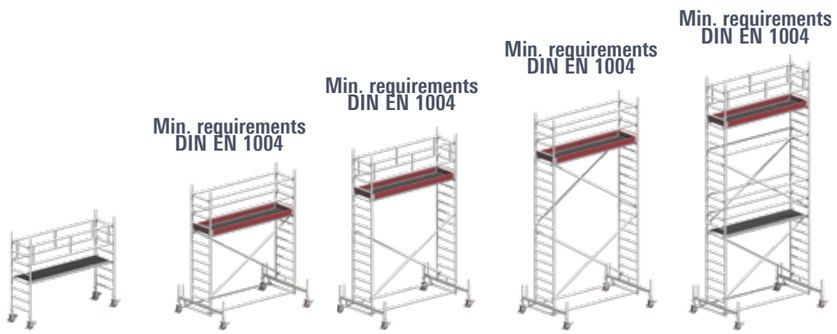
Part list

The Layher modular system permits problem-free expansion of your rolling tower .

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

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





The Uni Standard family

Tower model	1401101	1102 Min.requirements DIN EN 1004	1103 Min.requirements DIN EN 1004	1104 Min.requirements DIN EN 1004	1105 Min.requirements DIN EN 1004
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)	81.9	161.0	170.4	186.8	239.4
Ballast (stated in units)					
In closed areas					
Assembly central*	I2 r2	0	0	0	0
Assembly off-set	X	0	I0 r2	I0 r4	I0 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*	I2 r2	0	I0 r1	I4 r4	I9 r9
Assembly off-set	X	0	I0 r5	I0 r9	I2 r14
Assembly off-set with wall bracing	X	0	0	0	I2 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

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

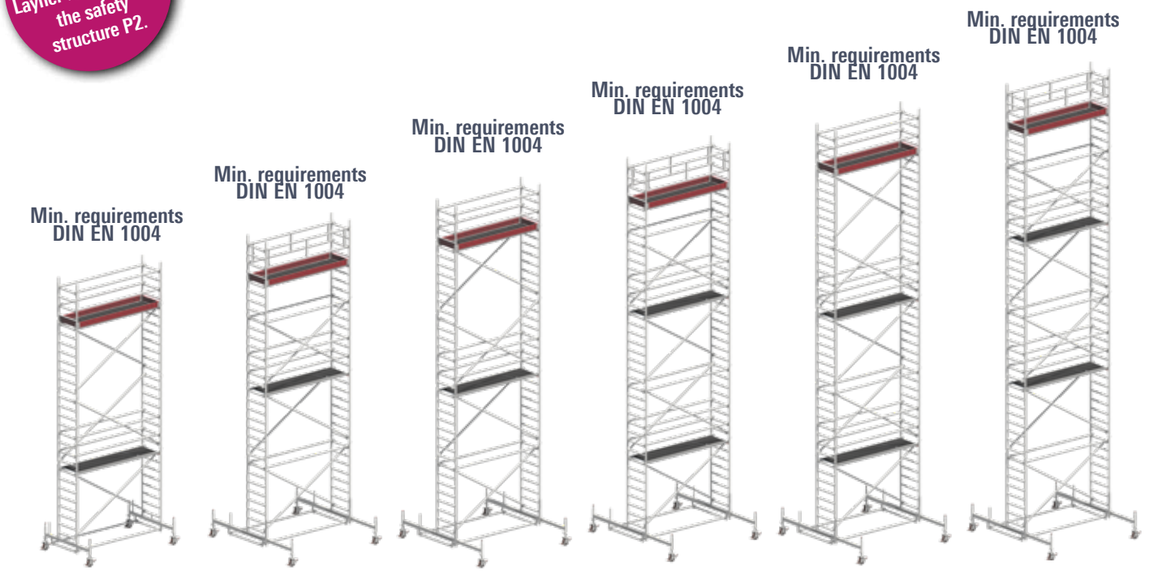
Retrofitting table

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

Retrofit set	Ref. No.	1400001	1400002	1400003	1400004	1400005	1400006	1400007	1400008	1400009	1400010
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
	1300.001	1	1	1	1	1	1	1	1	1	1

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

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



1106 Min.requirements DIN EN 1004	1107 Min.requirements DIN EN 1004	1108 Min.requirements DIN EN 1004	1109 Min.requirements DIN EN 1004	1110 Min.requirements DIN EN 1004	1111 Min.requirements DIN EN 1004
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

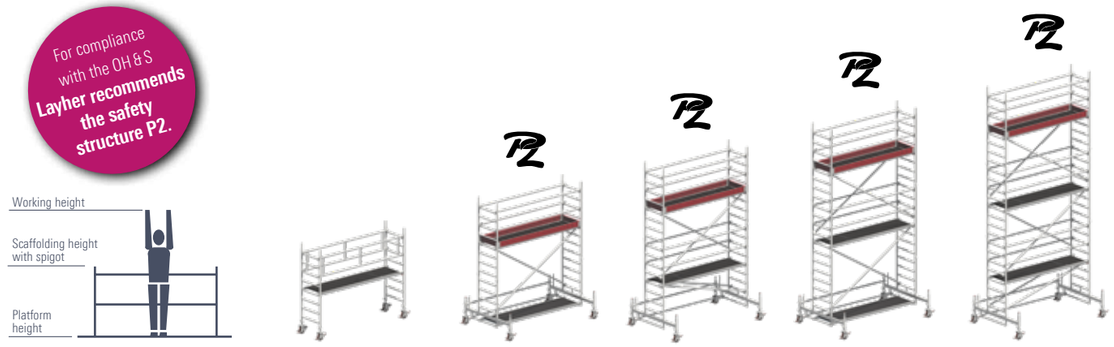
All dimensions and weights are guideline values. Subject to technical modification. Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. Title to the delivered goods shall be retained until full payment has been made. When purchasing, you receive instructions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

Part list

The Layher modular system permits problem-free expansion of your rolling tower.

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

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



The Uni Standard family

Tower model	1401101	1401102 Safety structure P2	1401103 Safety structure P2	1401104 Safety structure P2	1401105 Safety structure 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)	81.9	181.5	216.4	243.3	278.2
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

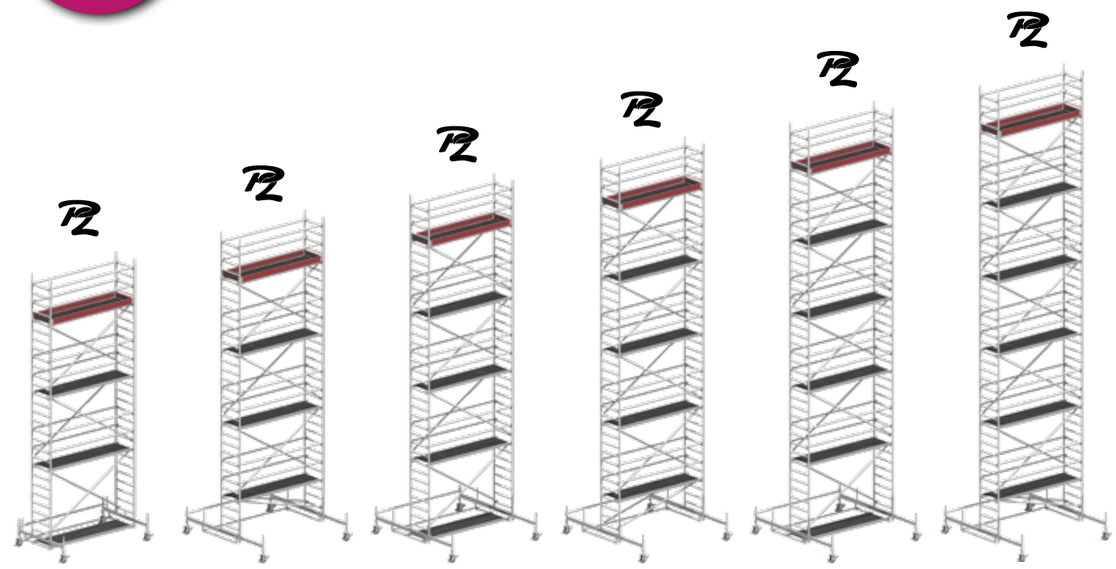
* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each assembly variant is listed in its assembly instruction guide!
Do not use any liquid or granular ballast materials. The ballast weight must be distributed evenly to all ballasting fixing points (see instructions for assembly and use).

Example: l2, r2 → 2 ballast weights of 10 kg each must be fastened to the left-hand side of the ladder frame, and 2 ballast weights of 10 kg each to its right-hand side
L6, R16 → 6 ballast weights of 10 kg each must be fastened to the left-hand side of the mobile beam, and 16 ballast weights of 10 kg each to its right-hand side.
r and R always relate, in the case of off-centre assembly, to that side facing away from the scaffolding; l and L relate to the side facing the scaffolding (see instructions for assembly and use).

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

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



1401106 Safety structure P2	1401107 Safety structure P2	1401108 Safety structure P2	1401109 Safety structure P2	1401110 Safety structure P2	1401111 Safety structure 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
305.1	391.2	418.1	453.0	479.9	514.8
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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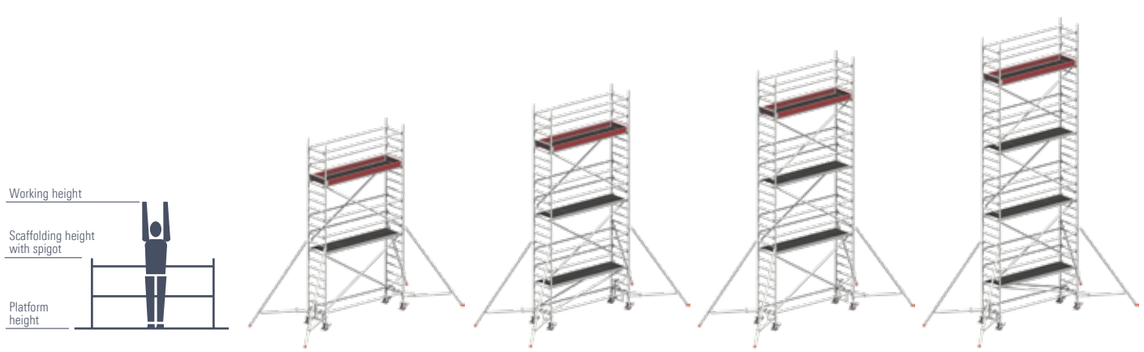
Part list

The Layher modular system permits problem-free expansion of your rolling tower.

		Uni Standard P2 with stabilizers, extendable							
Tower model	**Artikel-Nr.**	**1401124**	**1401125**	**1401126**	**1401127**	**1401128**	**1401129**	**1401130**	**1401131**
Guardrail 2.85 m	1205.285	10	14	14	18	18	22	22	26
Diagonal brace 3.35 m	1208.285	4	4	6	6	8	8	10	10
Diagonal brace 2.95 m	1208.295	0	2	0	2	0	2	0	2
End toe board 0.75 m	1238.075	2	2	2	2	2	2	2	2
Toe board 2.85 m with claw	1239.285	2	2	2	2	2	2	2	2
Access deck 2,85 m	1242.285	2	3	3	4	4	5	5	6
Stabilizer, extendable	1248.260	4	4	4	4	4	4	4	4
Rotation preventer	1248.261	4	4	4	4	4	4	4	4
Stabilizer, 5 m	1248.500	0	0	0	0	0	0	0	0
Spring clip 11 mm	1250.000	8	8	12	12	16	16	20	20
Castor 700 – 7 kN	1259.201	4	4	4	4	4	4	4	4
Ladder frame 75 / 4 –1.00 m	1297.004	2	0	2	0	2	0	2	0
Ladder frame 75 / 8 –2.00 m	1297.008	4	6	6	8	8	10	10	12
Access ledger	1344.002	1	1	1	1	1	1	1	1
Uni Assembly hook	1300.001	1	1	1	1	1	1	1	1
Ballast	1249.000	For requirement see table below							

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

1401145 Safety-structure P2	**1401146** Safety-structure P2	**1401147** Safety-structure P2	**1401148** Safety-structure P2	**1401149** Safety-structure P2	**1401150** Safety-structure P2	**1401151** Safety-structure P2
7.20	8.20	9.20	10.20	11.20	12.20	13.20
6.43	7.43	8.43	9.43	10.43	11.43	12.43
5.20	6.20	7.20	8.20	9.20	10.20	11.20
309.1	319.6	370.9	381.4	432.7	443.2	494.5
0	0	0	0	0	0	0
L0 R6	L0 R8	L0 R8	L0 R10	L0 R12	L0 R14	L0 R14
0	0	0	0	0	0	0
0	0	0	X	X	X	X
L0 R16	L0 R20	X	X	X	X	X
0	0	0	X	X	X	X



The Uni Standard family with stabilizers, extendable

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

1401128 Safety structure P2	**1401129** Safety structure P2	**1401130** Safety structure P2	**1401131** Safety structure P2
10.20	11.20	12.20	13.20
9.43	10.43	11.43	12.43
8.20	9.20	10.20	11.20
355.8	407.1	417.6	468.9
0	0	0	0
L0 R16	L0 R18	L0 R20	L0 R22
0	0	0	0
X	X	X	X
X	X	X	X
X	X	X	X

X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
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).

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UNI WIDE

THE UNIVERSAL TOWER WITH “DOUBLE-WIDTH” WORKING SURFACE

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

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

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

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

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

Base widening: With mobile beam made of steel, telescopic for work on ceilings and walls if required; only necessary for working height of 8.60 m and above, alternatively with stabilizers (see page 42 in this respect and also instructions for assembly and use).

TECHNICAL DATA

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

Convenient access

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

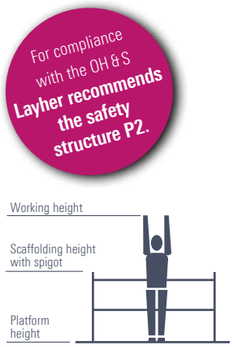
For requirement see page 41.

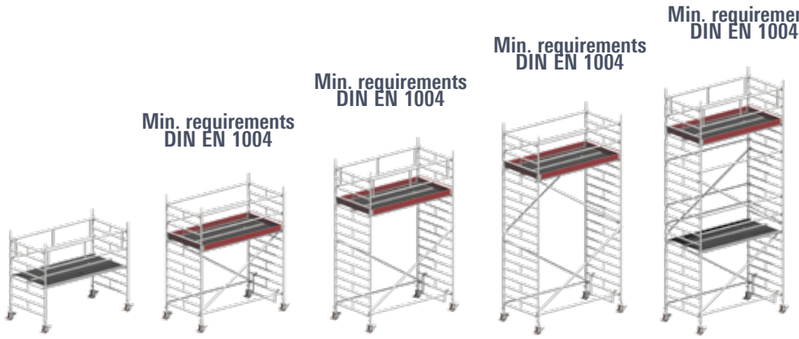
Part list

The Layher modular system permits problem-free expansion of your rolling tower .

Tower model	Ref. No.	1402101	1402102 (2102)	1402103 (2103)	1402104 (2104)	1402105 (2105)	1402106 (2106)	1402107 (2107)	1402108 (2108)	1402109 (2109)	1402110 (2110)	1402111 (2111)
Guardrail 2.85 m	1205.285	0	6 (6)	10 (2)	10 (6)	14 (8)	12 (9)	17 (9)	16 (11)	21 (13)	20 (15)	25 (15)
Double guardrail 2.85 m	1206.285	2	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)
Diagonal brace 3.35 m	1208.285	0	2 (2)	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)	8 (8)	10 (10)	10 (10)
Diagonal brace 2.95 m	1208.295	0	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)
Basic tube 2.85 m	1211.285	0	0 (0)	0 (0)	0 (0)	0 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
End toe board 1,44 m	1238.144	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Toe board 2.85 m with claw	1239.285	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Deck 2.85 m	1241.285	1	2 (1)	2 (1)	3 (1)	3 (2)	4 (2)	4 (2)	5 (2)	5 (3)	6 (3)	6 (3)
Access deck 2.85 m	1242.285	1	1 (1)	2 (1)	2 (1)	3 (2)	3 (2)	4 (2)	4 (2)	5 (3)	5 (3)	6 (3)
Spring clip 11 mm	1250.000	0	4 (4)	4 (4)	8 (8)	8 (8)	16 (16)	16 (16)	20 (20)	20 (20)	24 (24)	24 (24)
Castor 700 – 7 kN	1259.201	4	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)
Ladder frame 150 / 4 – 1.00 m	1299.004	0	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)
Ladder frame 150 / 8 – 2.00 m	1299.008	2	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)	8 (8)	10 (10)	10 (10)	12 (12)
Mobile beam with bar adj.	1323.320	0	0 (0)	0 (0)	0 (0)	0 (0)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Access ledger 0.75 m	1344.003	0	2 (1)	1 (1)	2 (1)	1 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Uni assembly hook	1300.001	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Base strut 2.85 m	1324.285	0	0 (0)	0 (0)	0 (0)	0 (0)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)
Ballast	1249.000	For requirement see table below										

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





The Uni Wide family

Tower model	1402101	2102 Min. requirements DIN EN 1004	2103 Min. requirements DIN EN 1004	2104 Min. requirements DIN EN 1004	2105 Min. requirements DIN EN 1004
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)	111.7	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	X	X	X	X	X
Assembly off-set with wall bracing	X				
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	l22 r22	l6 r26	l12 r30
Assembly central with 2 brackets*	X	l10 r10	X	X	X

* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
All height dimensions are calculated without any spindle travel. The maximum spindle travel of each 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).

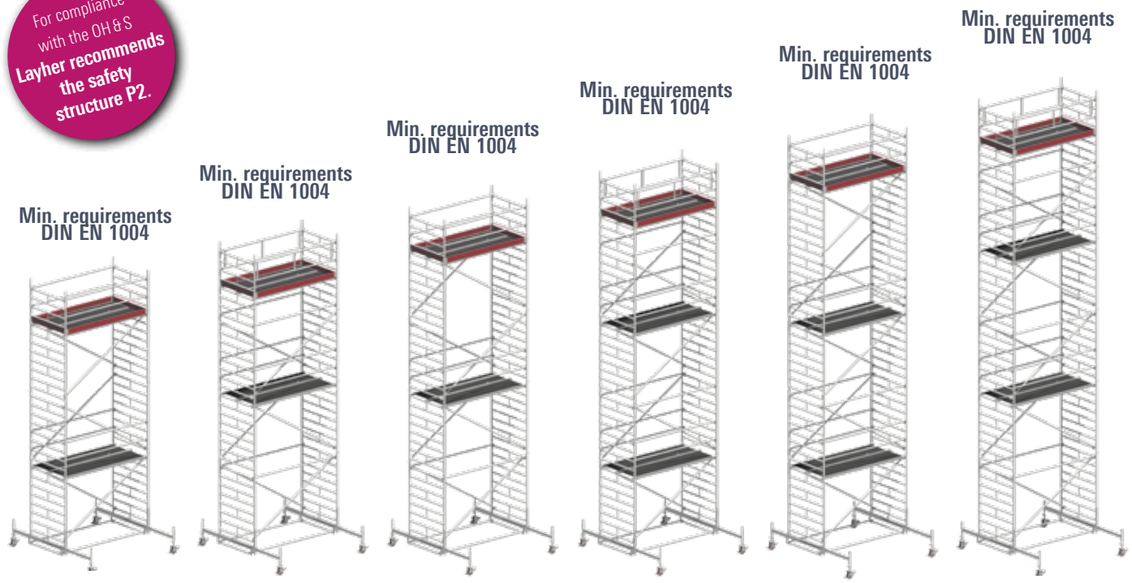
Retrofitting table

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

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

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

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



2106 Min. requirements DIN EN 1004	2107 Min. requirements DIN EN 1004	2108 Min. requirements DIN EN 1004	2109 Min. requirements DIN EN 1004	2110 Min. requirements DIN EN 1004	2111 Min. requirements DIN EN 1004
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	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

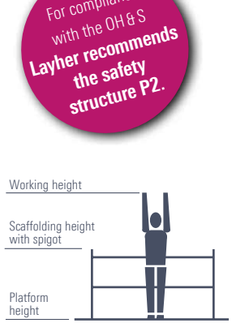
All dimensions and weights are guideline values. Subject to technical modification. Our deliveries shall be made exclusively in accordance with our currently valid General Terms of Sale. Title to the delivered goods shall be retained until full payment has been made. When purchasing, you receive instructions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

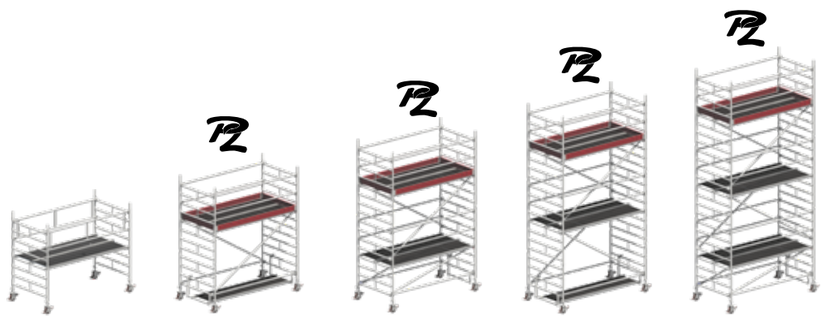
Part list

The Layher modular system permits problem-free expansion of your rolling tower.

Tower model	Ref. No.	1402101	1402102 (2102)	1402103 (2103)	1402104 (2104)	1402105 (2105)	1402106 (2106)	1402107 (2107)	1402108 (2108)	1402109 (2109)	1402110 (2110)	1402111 (2111)
Guardrail 2.85 m	1205.285	0	6 (6)	10 (2)	10 (6)	14 (8)	12 (9)	17 (9)	16 (11)	21 (13)	20 (15)	25 (15)
Double guardrail 2.85 m	1206.285	2	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)	0 (0)	0 (2)
Diagonal brace 3.35 m	1208.285	0	2 (2)	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)	8 (8)	10 (10)	10 (10)
Diagonal brace 2.95 m	1208.295	0	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)	0 (0)	2 (0)
Basic tube 2.85 m	1211.285	0	0 (0)	0 (0)	0 (0)	0 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
End toe board 1,44 m	1238.144	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Toe board 2.85 m with claw	1239.285	0	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Deck 2.85 m	1241.285	1	2 (1)	2 (1)	3 (1)	3 (2)	4 (2)	4 (2)	5 (2)	5 (3)	6 (3)	6 (3)
Access deck 2.85 m	1242.285	1	1 (1)	2 (1)	2 (1)	3 (2)	3 (2)	4 (2)	4 (2)	5 (3)	5 (3)	6 (3)
Spring clip 11 mm	1250.000	0	4 (4)	4 (4)	8 (8)	8 (8)	16 (16)	16 (16)	20 (20)	20 (20)	24 (24)	24 (24)
Castor 700 – 7 kN	1259.201	4	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)
Ladder frame 150 / 4 – 1.00 m	1299.004	0	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)	2 (2)	0 (0)
Ladder frame 150 / 8 – 2.00 m	1299.008	2	2 (2)	4 (4)	4 (4)	6 (6)	6 (6)	8 (8)	8 (8)	10 (10)	10 (10)	12 (12)
Mobile beam with bar adj.	1323.320	0	0 (0)	0 (0)	0 (0)	0 (0)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)	2 (2)
Access ledger 0.75 m	1344.003	0	2 (1)	1 (1)	2 (1)	1 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Uni assembly hook	1300.001	0	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
Base strut 2.85 m	1324.285	0	0 (0)	0 (0)	0 (0)	0 (0)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)
Ballast	1249.000	For requirement see table below										

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





The Uni Wide family

Tower model	1402101	1402102 Safety-structure P2	1402103 Safety-structure P2	1402104 Safety-structure P2	1402105 Safety-structure 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
Standing height [m]	1.20	2.20	3.20	4.20	5.20
Weight [kg] (without ballast)	111.7	187.1	240.3	278.7	331.9
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

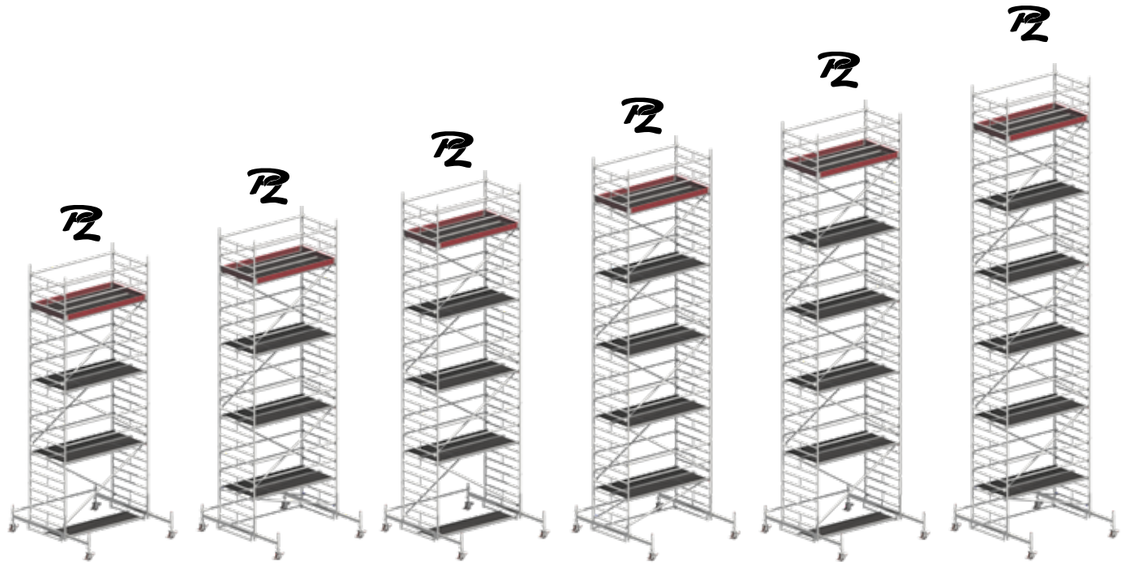
* Assembly with adjustable mobile beam, which must be fully extended. X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
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).

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

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

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



1402106 Safety-structure P2	1402107 Safety-structure P2	1402108 Safety-structure P2	1402109 Safety-structure P2	1402110 Safety-structure P2	1402111 Safety-structure 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
454.1	514.2	545.7	605.8	637.3	697.4
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

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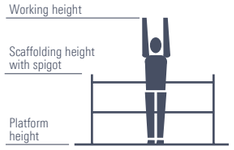
Part list

The Layher modular system permits problem-free expansion of your rolling tower.

		Uni Wide P2 with stabilizers, extendable					
Gerüsttyp	**Artikel-Nr.**	**1402126**	**1402127**	**1402128**	**1402129**	**1402130**	**1402131**
Guardrail 2.85 m	1205.285	14	18	18	22	22	26
Diagonal brace 3.35 m	1208.285	6	6	8	8	10	10
Diagonal brace 2.95 m	1208.295	0	2	0	2	0	2
End toe board 1.44 m	1238.144	2	2	2	2	2	2
Toe board 2.85 m with claw	1239.285	2	2	2	2	2	2
Deck 2.85 m	1241.285	3	4	4	5	5	6
Access deck 2,85 m	1242.285	3	4	4	5	5	6
Stabilizer, extendable	1248.260	4	4	4	4	4	4
Rotation preventer	1248.261	4	4	4	4	4	4
Stabilizer, 5 m	1248.500	0	0	0	0	0	0
Spring clip 11 mm	1250.000	12	12	16	16	20	20
Castor 700 – 7 kN	1259.201	4	4	4	4	4	4
Ladder frame 150 / 4 – 1,00 m	1299.004	2	0	2	0	2	0
Ladder frame 150 / 8 – 2,00 m	1299.008	6	8	8	10	10	12
Access ledger	1344.003	1	1	1	1	1	1
Uni Assembly hook	1300.001	1	1	1	1	1	1
Ballast	1249.000	For requirement see table below					



The Uni Wide family with stabilizers, extendable

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

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

Uni Wide P2 with stabilizers, 5 m						
1402146	**1402147**	**1402148**	**1402149**	**1402150**	**1402151**
14	18	18	22	22	26
6	6	8	8	10	10
0	2	0	2	0	2
2	2	2	2	2	2
2	2	2	2	2	2
3	4	4	5	5	6
3	4	4	5	5	6
0	0	0	0	0	0
4	4	4	4	4	4
4	4	4	4	4	4
12	12	16	16	20	20
4	4	4	4	4	4
2	0	2	0	2	0
6	8	8	10	10	12
1	1	1	1	1	1
1	1	1	1	1	1
For requirement see table on the right					

1402146 Safety structure P2	**1402147** Safety structure P2	**1402148** Safety structure P2	**1402149** Safety structure P2	**1402150** Safety structure P2	**1402151** Safety structure P2
8.20	9.20	10.20	11.20	12.20	13.20
7.43	8.43	9.43	10.43	11.43	12.43
6.20	7.20	8.20	9.20	10.20	11.20
417.8	494.3	509.4	585.9	601.0	677.5
0	0	0	0	0	0
0	0	L0 R2	L0 R2	L0 R2	L0 R2
0	0	0	0	0	0
0	0	X	X	X	X
L0 R10	L0 R12	X	X	X	X
0	0	X	X	X	X

1402129 Safety structure P2	**1402130** Safety structure P2	**1402131** Safety structure P2
11.20	12.20	13.20
10.43	11.43	12.43
9.20	10.20	11.20
560.3	575.4	651.9
0	0	0
L0 R2	L0 R4	L0 R4
0	0	0
X	X	X
X	X	X
X	X	X

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UNI COMPACT

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

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

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

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

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

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

The Uni Compact family can also be equipped with stabilizers.
Learn more about that on page 50.

TECHNICAL DATA

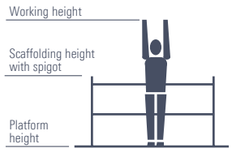
- Working height: 10.38 m
- Area of working platform: 1.50 x 1.80 m
- Permissible live load: 2 kN / m² (scaffolding group 3)

Part list

The Layher modular system permits problem-free expansion of your rolling tower.

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

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



The Uni Compact family

Tower model	1405001	5002 Min. requirements DIN EN 1004	5003 Min. requirements DIN EN 1004
Working height [m]	3.20	4.20	5.20
Tower height [m]	2.43	3.43	4.43
Platform height [m]	1.20	2.20	3.20
Weight [kg] (without ballast)	94.0	134.6	150.0
Ballast (stated in units)			
In closed areas			
Assembly central*	0	0	4
Assembly off-set	X	X	X
Assembly off-set with wall bracing	0	X	X
Outdoors			
Assembly central*	0	0	6
Assembly off-set	X	X	X
Assembly off-set with wall bracing	0	X	X

X = not possible / not permissible 0 = no ballast required
For ballasting, use Layher ballast weights, Ref. No. 1249.000, 10 kg each. These weights are attached quickly and securely at the right places using the star handle coupler.
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).

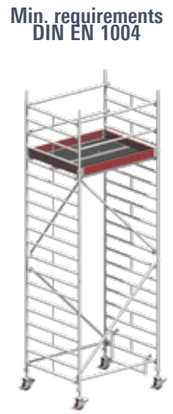
Retrofitting table

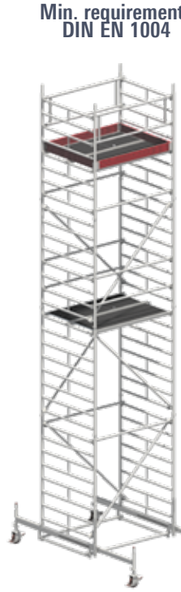
Retrofitting the existing rolling tower to create the P2 design is possible using standard components of the Layher construction kit in the proven Layher quality.

Retrofit set	Ref. No.	1400027	1400028	1400029	1400030	1400031	1400032	1400033
for tower model		5002	5003	5004	5005	5006*	5007*	5008*
Guardrail 1.80 m	1205.180	0	4	4	2	3	4	5
Diagonale brace 1.95 m	1208.195	0	2	0	2	0	2	0
Deck 1.80 m	1241.180	1	1	2	1	2	2	3
Access deck 1.80 m	1242.180	0	1	1	1	1	2	2
Access ledger 0.75 m	1344.003	1	0	1	0	0	0	0
Uni assembly hook	1300.001	1	1	1	1	1	1	1

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

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





5004 Min. requirements DIN EN 1004	5005 Min. requirements DIN EN 1004	5006 Min. requirements DIN EN 1004	5007 Min. requirements DIN EN 1004	5008 Min. requirements DIN EN 1004
6.20	7.20	8.38	9.38	10.38
5.43	6.43	7.61	8.61	9.61
4.20	5.20	6.38	7.38	8.38
168.6	226.1	326.1	350.7	364.7
8	8	0	4	6
X	X	0	4	8
X	X	0	4	8
14	20	24	36	X
X	X	24	36	X
X	X	24	36	X

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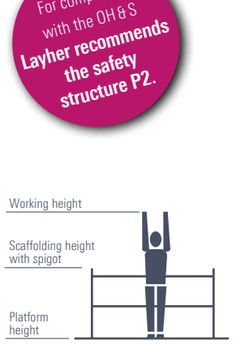
Part list

The Layher modular system permits problem-free expansion of your rolling tower.

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

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



The Uni Compact family

Tower model	1405001	1405002 Safety structure P2	1405003 Safety structure P2
Working height [m]	3.20	4.20	5.20
Tower height [m]	2.43	3.43	4.43
Platform height [m]	1.20	2.20	3.20
Weight [kg] (without ballast)	94.0	152.5	192.0
Ballast (stated in units)			
In closed areas			
Assembly central*	0	l1 r1	l1 r1
Assembly off-set	X	X	X
Assembly off-set with wall bracing	0	l2 r0	l2 r0
Outdoors			
Assembly central*	0	l1 r1	l3 r3
Assembly off-set	X	X	X
Assembly off-set with wall bracing	0	l2 r0	l4 r0

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 <u>without</u> 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).

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

1405004 Safety structure P2	1405005 Safety structure P2	1405006 Safety structure P2	1405007 Safety structure P2	1405008 Safety structure P2
6.20	7.20	8.38	9.38	10.38
5.43	6.43	7.61	8.61	9.61
4.20	5.20	6.38	7.38	8.38
224.0	263.5	377.4	422.5	448.9
l4 r4	l4 r4	0	0	l1 r1
X	X	0	0	l1 r1
l4 r0	l4 r0	0	0	l1 r1
l7 r7	l11 r11	l13 r13	l17 r17	X
X	X	l13 r13	l17 r17	X
l10 r4	l14 r4	l13 r13	l17 r17	X

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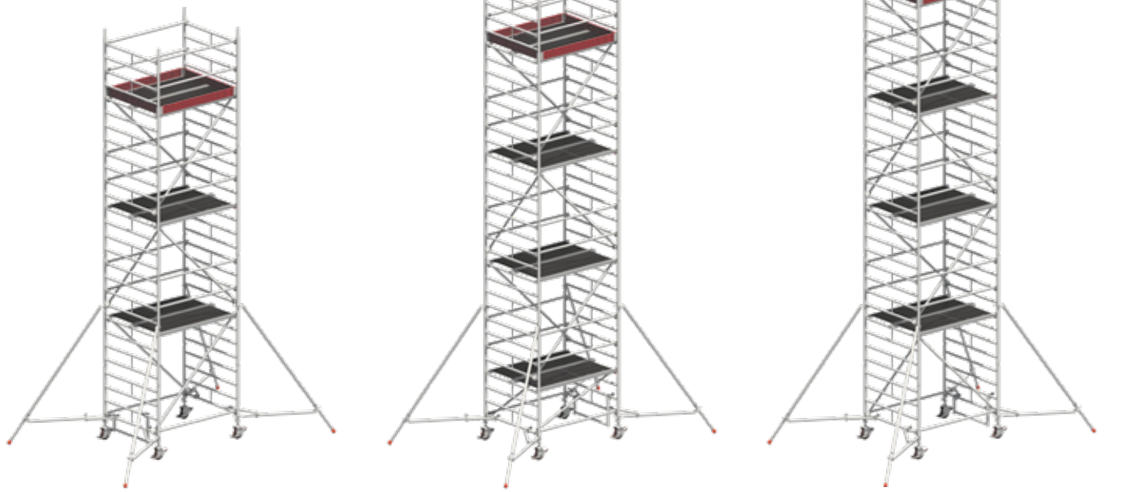
Uni Compact with stabilizers, extendable

Part list

The Layher modular system permits problem-free expansion of your rolling tower.

Tower model	Ref. No.	1405024	1405025	1405026	1405027	1405028
Guardrail 1,80 m	1205.180	10	10	14	14	18
Diagonal brace 2.50 m	1208.180	2	4	4	6	6
Diagonal brace 1.95 m	1208.195	2	0	2	0	2
End toe board 0.75 m	1238.075	2	2	2	2	2
Toe board 1.80 m with claw	1239.180	2	2	2	2	2
Access deck 1.80 m	1242.180	2	2	3	3	4
Access ledger 1.8 m	1242.180	2	3	3	4	4
Alu stabilizer, extendable	1248.260	4	4	4	4	4
Rotation preventer	1248.261	4	4	4	4	4
Spring clip 11 mm	1250.000	8	8	12	12	16
Ladder frame 75 / 4 – 1.00 m	1299.004	2	0	2	0	2
Ladder frame 75 / 8 – 2.00 m	1299.008	4	6	6	8	8
Uni Assembly hook	1300.001	1	1	1	1	1
Castor 400 – 4 kN	1259.201	4	4	4	4	4
Access ledger 0.30 m	1344.003	1	1	1	1	1
Ballast	1249.000	For requirement see table below				



The Uni Compact family with stabilizers

Tower model	1405024 Safety structure P2	1405025 Safety structure P2	1405026 Safety structure P2	1405027 Safety structure P2	1405028 Safety structure P2
Working height [m]	6.20	7.20	8.20	9.20	10.20
Tower height [m]	5.45	6.45	7.45	8.45	9.45
Platform height [m]	4.20	5.20	6.20	7.20	8.20
Weight [kg] (without ballast)	252.6	308.7	324.1	380.2	395.6
Ballast (stated in units)					
In closed areas					
Assembly central	0	0	0	0	0
Assembly off-set	L0 R2	L0 R2	L0 R4	L0 R4	L0 R6
Assembly off-set with wall bracing	0	0	0	0	0
Outdoors					
Assembly central	l2 r2	l4 r4	l9 r9	l12 r12	X
Assembly off-set	L0 R4	L0 R6	L0 R10	L0 R14	X
Assembly off-set with wall bracing	0	0	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).

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UNI COMFORT

THE UNIVERSAL TOWER WITH CONVENIENT STAIRWAY ACCESS

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

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

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

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

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

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

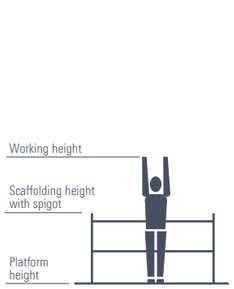
TECHNICAL DATA

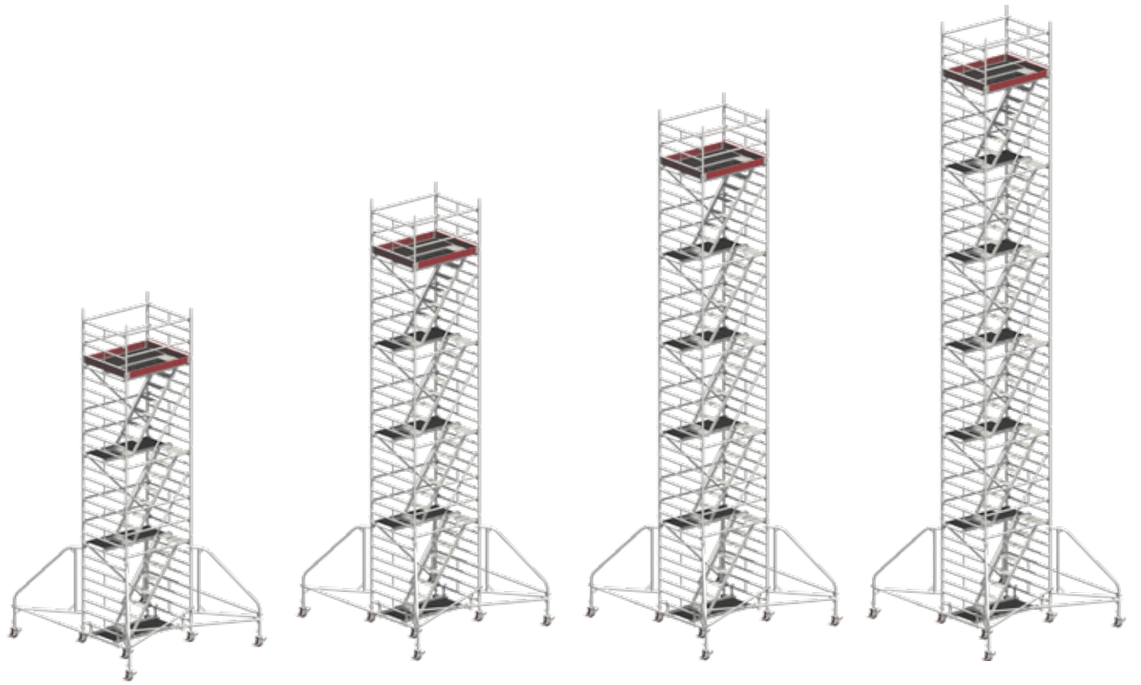
- Working height: 14.20 m
- Area of working platform: 1.50 x 1.80 m
- Permissible live load: 2 kN / m² (scaffolding group 3)

Part list

The Layher modular system permits problem-free expansion of your rolling tower).

Tower model	Ref. No.	4201	4202	4203	4204	4205	4206
Guardrail 1.80 m	1205.180	5	8	11	14	17	20
Diagonal brace 2.50 m	1208.180	1	2	3	4	5	6
Horizontal diagonal brace 2.95 m	1209.285	0	0	2	2	2	2
Landing stairway 1.80 m	1212.180	1	2	3	4	5	6
Stairway guardrail 3.07 m	1213.180	0	1	2	3	4	5
Outrigger 1,50 m	1216.000	0	0	4	4	4	4
End toe board 1.44 m	1238.144	2	2	2	2	2	2
Toe board 1.80 m with claw	1239.180	2	2	2	2	2	2
Deck 1.80 m	1241.180	2	3	4	5	6	7
Stairway access deck 1.80 m	1243.180	1	1	1	1	1	1
Spring clip	1250.000	4	8	12	16	20	24
Castor 700 – 7kN	1259.201	4	4	8	8	8	8
Ladder frame 150 / 4 – 1.00 m	1299.004	2	2	2	2	2	2
Ladder frame 150 / 8 – 2,00 m	1299.008	2	4	6	8	10	12
Horizontal diagonal brace, adj.	1318.000	0	0	2	2	2	2
Base strut 1.80 m	1324.180	1	1	1	1	1	1
Stairway guardrail 1.20 m	1327.120	1	1	1	1	1	1
Access ledger 0.75 m	1344.003	2	2	2	2	2	2
Ballast	1249.000	For requirement see table below					





The Uni Comfort family

Tower model	4201	4202	4203	4204	4205	4206
Working height [m]	4.20	6.20	8.20	10.20	12.20	14.20
Tower height [m]	3.43	5.43	7.43	9.43	11.43	13.43
Standing height [m]	2.20	4.20	6.20	8.20	10.20	12.20
Weight [kg] (without ballast)	166.3	236.5	387.9	458.1	528.3	598.5
Ballast (stated in units)						
In closed areas						
Without outrigger	0	6	X	X	X	X
Outriggers on both sides	Δ	Δ	0	0	0	0
Outriggers on one side	Δ	Δ	2	4	6	8
Outriggers on one side with wall bracing	Δ	Δ	0	0	0	0
Outdoors						
Without outrigger	2	16	X	X	X	X
Outriggers on both sides	Δ	Δ	0	0	X	X
Outriggers on one side	Δ	Δ	20	X	X	X
Outriggers on one side with wall bracing	Δ	Δ	0	4	X	X

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.

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Staro rolling tower

STARO ROLLING TOWER

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

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

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

Work decks with aluminium frame and plywood insert.

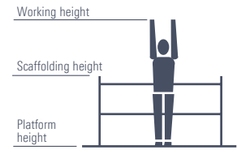
Sturdy castors (dia. 150 mm) with concentric load transmission after locking, for particular stability. Leg tube (1.95 m long) with holes 11 cm apart for height adjustment.

Type 7000

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

TECHNICAL DATA

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



Part list

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

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

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

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

ALU BRIDGING BEAM

THE WORKING DECK UP TO 10 M LONG

TECHNICAL DATA

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

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

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

Alu bridging beam 600

Length [m]	Load [kN / m²]	Width [m]	Height [m]	Weight [kg]	Ref. No.	
3.18	2.0	0.60	0.09	20.0	**1348.318**	
4.12	2.0	0.60	0.09	26.0	**1348.412**	
4.75	2.0	0.60	0.09	29.0	**1348.475**	
5.20	2.0	0.60	0.12	38.0	**1348.520**	
6.15	2.0	0.60	0.12	45.0	**1348.615**	
7.10	2.0	0.60	0.12	52.0	**1348.710**	
8.00	1.5	0.60	0.15	68.0	**1348.800**	
9.10	1.5	0.60	0.15	76.0	**1348.910**	
10,00	1,5	0.60	015	85,0	**1348.100**	

1331.000 clamp

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

Alu bridging beam 600, folding

Length [m]	Load [kN / m²]	Width [m]	Height [m]	Weight [kg]	Ref. No.	
5.10	1.5	0.60	0.12	47.0	**1349.510**	
7.30	1.5	0.60	0.12	61.0	**1349.730**	
9.15	1.5	0.60	0.15	86.0	**1349.915**	

Only available ex works.

Side protection for Alu bridging beam 600

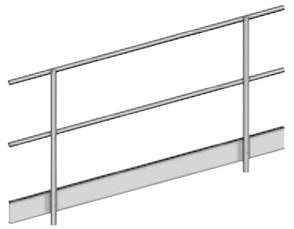
KIT-No.	Ref. No.	6201 3.18 m	6202 4.12 m	6203 4.75 m	6204 5.20 m	6205 6.15 m	6206 7.10 m	6207 8.00 m	6208 9.10 m	6209 10.00 m
Double guardrail 2.00 m	1332.200	0	2	1	1	0	2	1	0	2
Double guardrail 3.00 m	1332.300	1	0	1	1	2	1	2	3	2
Guardrail fixture	1330.000	2	4	4	4	4	6	6	6	8
Guardrail locking clip	1333.000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

1330.000

Side protection for Alu bridging beam 600, folding

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

1333.000



1332.200 / 1332.300

Alu telescopic stage 1351

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

Loading capacity: **150 kg**

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

BRACKET DECK SURFACES

WORKING SERVICE WIDENING FOR UNI STANDARD AND UNI WIDE

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

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

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

TECHNICAL DATA

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

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

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

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

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DOUBLE CONSTRUCTION

FOR UNI STANDARD

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

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

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

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

TECHNICAL DATA

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

Part list

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

Uni Standard in double construction

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

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

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

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

Basic knowledge about castors

CASTORS FROM LAYHER

Ref. No.	Description	Castor type	Illustration	Wheel	Wheel diameter [mm]	Bearing type (wheel 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
1259.201	Castor 700			Polyamide wheel	200	Plain bearing (steel sleeve in plastic hub)	700	350	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
1259.202	Polyurethane Castor 700	Height-adjustable castor		Polyamide wheel with polyurethane tire	200	Plain bearing (steel sleeve in plastic hub)	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!**
1260.201	Castor 1000	Height-adjustable castor		Polyamide wheel	200	Plain bearing (steel sleeve in plastic hub)	1000	1000	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
1260.202	Castor 1000 with electro-conductive polyurethane coating	Height-adjustable castor		Polyamide wheel with polyurethane tire	200	Sealed ball bearing	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!**
1267.200	Castor 1200 with half-coupler	Height-adjustable castor		Polyamide wheel	200	Plain bearing (steel sleeve in plastic hub)	1200	960	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
1308.150	Castor 400	Castor with tube connector		Polyamide wheel	150	Plain bearing (steel sleeve in plastic hub)	400	200	–40 °C to +90 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt
1309.150	Polyurethane Castor 400	Castor with tube connector		Polyamide wheel with polyurethane tire	150	Plain bearing (steel sleeve in plastic hub)	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!**
1300.150	Castor 400 with spindle 250	Height-adjustable castor		Polyamide wheel	150	Plain bearing (steel sleeve in plastic hub)	400	400	–20 °C to +50 °C	All firm ground! E.g.: Concrete / screed / cobbles / wooden boards / asphalt

Components

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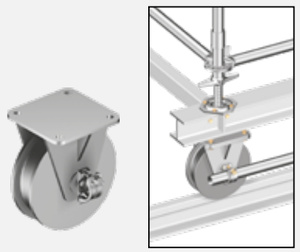

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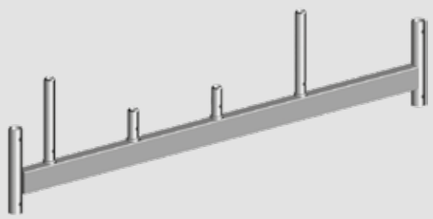

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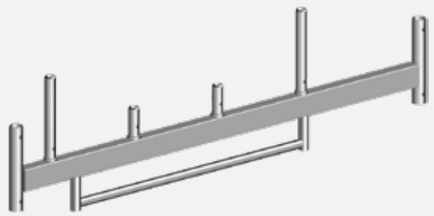

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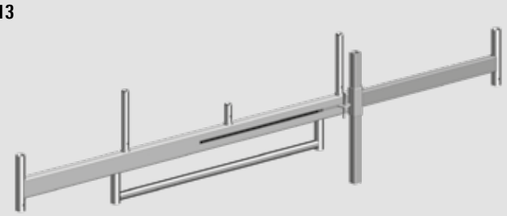

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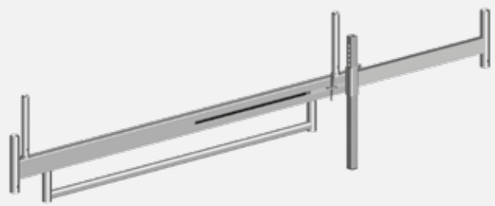

Pos.	Description	Dimensions [m]	Weight approx. [kg]	Ref. No.	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro
1	**Castor 400** Plastic wheel dia. 150 mm, with simple brake lever. Permissible load: 4 kN (≈ 400 kg).	dia. 0.15	2.1	**1308.150**	▸	▸	▸	▸	▸		
2	**Castor 400, with polyurethane tyre** Plastic wheel with polyurethane tyre, dia. 150 mm. Special wheel for sensitive floor surfaces. Permissible load: 4 kN (≈ 400 kg).	dia. 0.15	2.4	**1309.150**	▸	▸	▸	▸	▸		
3	**Castor 400 with spindle 250** Plastic wheel, dia. 150 mm, with base jack, adjustment range 0 – 0.20 m, castor with double brake lever and load centering in the braked state. Permissible load: 4 kN (≈ 400 kg).	dia. 0.15	2.1	**1300.150** NEW	▸	▸					
4	**Castor 700** Plastic wheel, dia. 200 mm. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 7.0 kN (≈ 700 kg).	dia. 0.20	6.8	**1259.201**	▸	▸	▸	▸	▸	▸	
5	**Castor 700, with polyurethane tyre** Plastic wheel, dia. 200 mm. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 7.0 kN.	dia. 0.20	7.0	**1259.202**	▸	▸	▸	▸	▸	▸	
6	**Castor 1000** Plastic wheel, dia. 200 mm of polyamide. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 10 kN.	dia. 0.20	6.3	**1260.201**	▸	▸	▸	▸	▸	▸	
7	**Castor 1000, with electroconductive polyurethane coating** Plastic wheel, dia. 200 mm of polyamide with coating of electroconductive polyurethane. With base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock, castor with double brake lever and load centering in the braked state. Permissible load: 10 kN Special castor for sensitive floorings and thanks to electro-conductability also usable in explosive or ESD areas. Bleeder resistance according to DIN EN 12526 < 10^4 Ω.	dia. 0.20	6.8	**1260.202**	▸	▸	▸	▸	▸	▸	
8	**Castor 1200, with half-coupler** reinforced plastic wheel, dia. 200 mm, with base jack, adjustment range 0.30 – 0.60 m, spindle nut with lock. Permissible load: 12 kN.	dia. 0.20	12.0	**1267.200**	▸	▸	▸	▸	▸	▸	
9	**Adjustable base plate 60 with lock** steel, hot-dip galvanized, with nut, base plate 150 x 150 mm, max. spindle travel 0.40 m.	0.60	3.8	**1257.060**	▸	▸	▸	▸	▸	▸	
10	**Double flange castor,** 75 mm Secured by top plate, hole pattern 170 x 170 mm, dia. 18 mm, external dia. 285 mm, internal dia. 242 mm, without brake. Permissible load: 20 kN.	dia. 0.285	28.0	**5216.075**	**Application upon request**						
11	**Mobile beam** Steel rectangular tube, hot-dip-galvanized. For widening the base of towers.	1.80	14.4	**1214.180**	▸	▸					
12	**Mobile beam with bar** Steel rectangular tube, hot-dip-galvanized. For widening the base of towers.	1.80	16.9	**1323.180**	▸	▸		▸			
13	**Mobile beam with bar, adjustable** Steel rectangular tube, hot-dip-galvanized. System component for base widening.	2.30 – 3.20	42.5	**1323.320**				▸	▸	▸	
14	**Mobile beam with 2 spigots, adjustable** Steel rectangular tube, hot-dip-galvanized. For widening the base for special mobile assemblies. System assemblies only possible in conjunction with Ref. No. 1337.000 (see page 67).	2.30 – 3.20	42.6	**1338.320**	▸	▸	▸	▸	▸		

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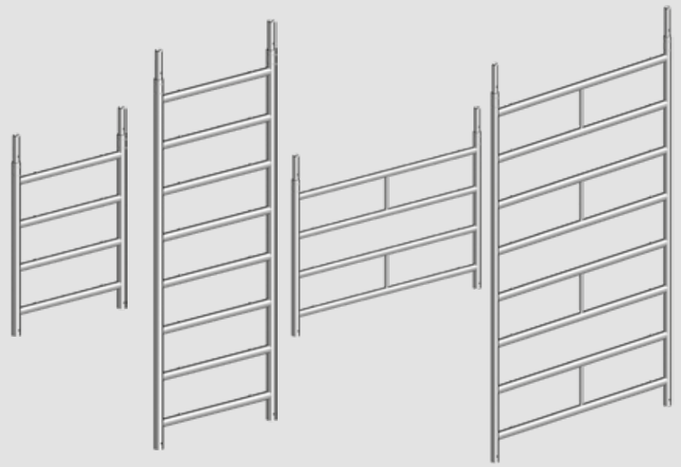

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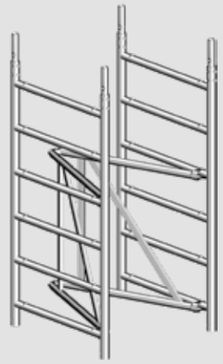

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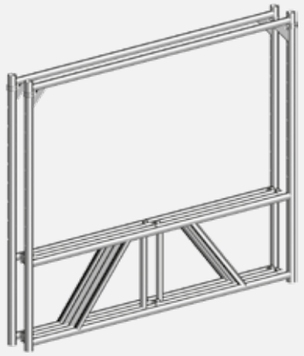

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Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	Ref. No.	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro
1	**Basic tube** steel tube, hot-dip galvanized.	1.80	7.7	**1211.180**	▸	▸	▸				
		2.85	12.2	**1211.285**				▸	▸		
2	**Base strut** with 2 half-couplers, steel tube, hot-dip galvanized.	1.80	6.2	**1324.180**	▸	▸	▸				
		2.85	9.3	**1324.285**				▸	▸	▸	
3	**Access ledger** aluminium.	0.30	2.9	**1344.002**	▸	▸		▸			
		0.75	3.3	**1344.003**			▸		▸		
4	**Ballast (10 kg)** steel, hot-dip galvanized with half-coupler. For ballasting of towers refer to the instructions for assembly and use of mobile work platforms.		10.0	**1249.000**	▸	▸	▸	▸	▸	▸	
5	**Spigot, adjustable** steel, hot-dip galvanized. System assemblies only possible in conjunction with Ref. No. 1338.320 (see page 65).		2.1	**1337.000**	▸	▸	▸	▸	▸		
6	**Guardrail support**	1.00	1.3	**1297.100** NEW	▸	▸	▸	▸	▸	▸	
7	**Ladder frame** aluminium. Rungs with non-slip grooving.	1.00 x 0.75	4.7	**1297.004**	▸	▸		▸			
		2.00 x 0.75	8.6	**1297.008**	▸	▸		▸			
		1.00 x 1.50	7.0	**1299.004**			▸		▸	▸	
		2.00 x 1.50	13.5	**1299.008**			▸		▸	▸	
8	**Suspension ladder 75** aluminium. Rungs with non-slip grooving. Spigot bolted using 4 bolts M12 x 60 with nuts.	1.00 x 0.75	6.3	**1298.004**	▸	▸		▸			
		2.00 x 0.75	10.3	**1298.008**	▸	▸		▸			
9	**Zifa 75 basic tower** aluminium. Dimensions when folded together: 0.95 x 1.50 x 0.30 m.	1.80 x 1.50 x 0.75	20.2	**1300.006**	▸						
10	**Staro basic tower** aluminium. Including 4 clips. Dimensions when folded together: 2.00 x 1.60 x 0.25 m.	2.00 x 1.60 x 2.00	28.8	**1224.000**							▸
11	**Leg tube with castor 400** dia. 150 mm. With simple brake lever and load centering in the braked state. Wheel and slewing ring can be locked. Steel, plastic wheel.	1.95	6.6	**1302.150**							▸

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Components

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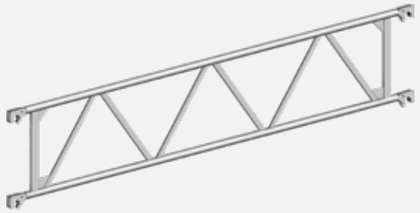

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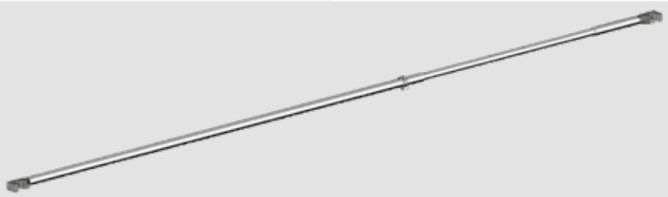

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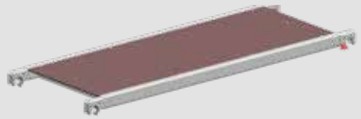

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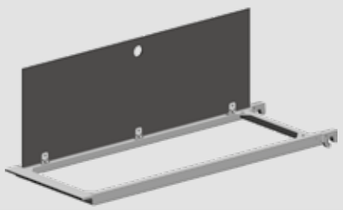

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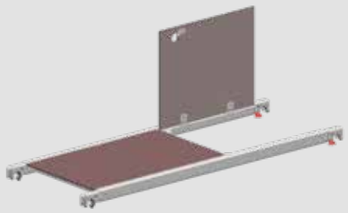

17

Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	Ref. No.	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro
1	**Spring clip**, steel.		0.1	**1250.000**	▸	▸	▸	▸	▸	▸	▸
2	**Guardrail,** aluminium.	1.80	2.3	**1205.180**	▸	▸	▸			▸	
		2.85	3.6	**1205.285**				▸	▸		
3	**Staro guardrail,** aluminium.	1.90	2.7	**1227.190**							▸
4	**Double guardrail,** aluminium.	1.80 x 0.50	5.8	**1206.180**	▸	▸	▸				
		2.85 x 0.50	8.0	**1206.285**				▸	▸		
5	**Beam,** aluminium for use as support beam in the modular system or as double guardrail.	1.80 x 0.50	7.7	**1207.180**	▸	▸	▸			▸	
		2.85 x 0.50	9.6	**1207.285**				▸	▸		
6	**Intermediate guardrail** aluminium.	1.90	1.9	**1224.190**							▸
7	**Diagonal brace** aluminium.	1.95	2.8	**1208.195**	▸	▸	▸				
		2.50	3.3	**1208.180**	▸	▸	▸			▸	
		2.95	3.8	**1208.295**				▸	▸		
		3.35	4.1	**1208.285**				▸	▸		
8	**Deck diagonal brace** aluminium.	2.50	4.2	**1347.250**	▸	▸	▸			▸	
		3.35	5.0	**1347.335**				▸	▸		
9	**Horizontal diagonal brace** aluminium.	1.95	3.5	**1209.180**	▸	▸					
		2.95	4.6	**1209.285**			▸				
10	**Horizontal diagonal brace, adjustable** aluminium.	3.20 – 4.00	6.1	**1318.000**				▸	▸	▸	
11	**Uni distance tube,** aluminium tube, with hook and rubber foot.	1.10	1.4	**1275.110**	▸	▸		▸			
		1.80	2.1	**1275.180**			▸		▸	▸	
12	**Deck** aluminium frame, with plywood deck and hatch with phenolic resin coating.	1.80 x 0.68	13.3	**1241.180**	▸	▸	▸			▸	
		2.85 x 0.68	20.0	**1241.285**				▸	▸		
13	**Staro deck** aluminium frame, with plywood deck and hatch with phenolic resin coating.	1.90 x 0.60	13.1	**1241.190**							▸
14	**Stairway access deck** aluminium frame, with plywood deck and hatch with phenolic resin coating.	1.80 x 0.68	12.2	**1243.180**						▸	
15	**Bridging deck** for twin towers. Aluminium frame, with plywood deck with phenolic resin coating.	2.85 x 0.66	19.8	**1343.285**				▸			
16	**Access deck** aluminium frame, with plywood deck and hatch with phenolic resin coating.	1.80 x 0.68	15.0	**1242.180**	▸	▸	▸				
		2.85 x 0.68	21.6	**1242.285**				▸	▸	▸	
17	**Intermediate deck,** aluminium for console bracket structures.	2.85 x 0.23	10.5	**1339.285**				▸	▸		

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Components

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

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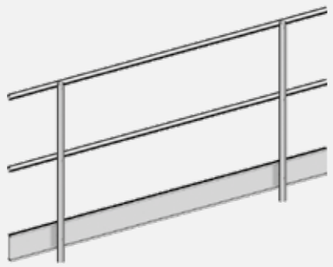
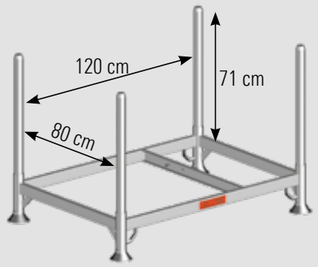
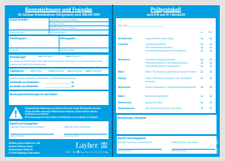
Components				
1 	2 	3 	4 	5 
6 	7 	8 	9 	
10 	11  also see download.layher.com	12 	13 LayPLAN CLASSIC	

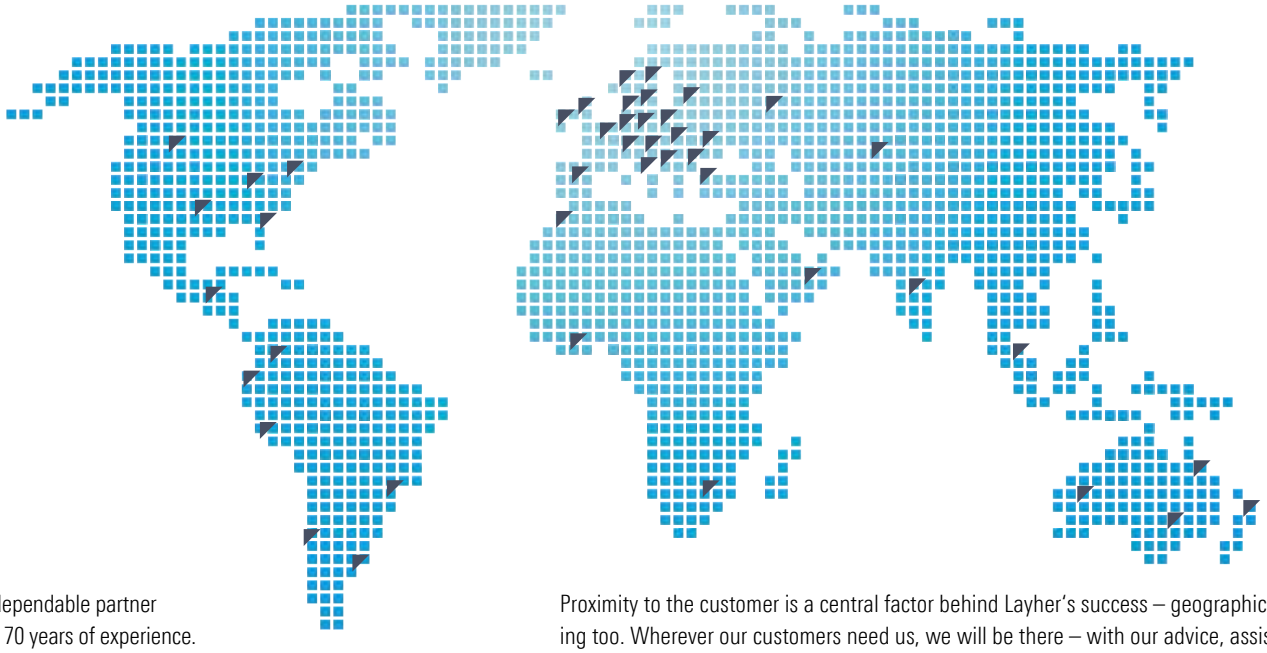
Pos.	Description	Dimensions L / H x W [m]	Weight approx. [kg]	Ref. No.	Zifa	Uni Light	Uni Compact	Uni Standard	Uni Wide	Uni Comfort	Staro	Alu hr. beam 600
1	**Uni assembly hook,** pair.		1.2	**1300.001**	▸	▸	▸	▸	▸			
2	**Console bracket,** aluminium for widening of the work platform on one or two sides.	0.75 x 0.90	5.4	**1341.075**				▸	▸			
3	**Double guardrail with toe board,** aluminium folds together for transport.	2.00 x 1.10 3.00 x 1.10	9.7 12.9	**1332.200** **1332.300**								▸ ▸
4	**Guardrail fixture,** aluminium for fastening the double guardrail to the Alu bridging beam for Ref. No. 1332.xxx.	0.50	0.9	**1330.000**								▸
5	**Guardrail locking pin,** steel for securing the double guardrail with the guardrail fixture for Ref. No. 1330.xxx.		0.1	**1333.000**								▸
6	**Guardrail mounting standard,** aluminium for connecting the three-part brick guard made from scaffolding tubes, guardrail clamps and toe board.	1.20	2.4	**1334.000**								▸
7	**Clamp,** steel for connecting the Alu bridging beams Ref. No.1348.xxx.		0.4	**1331.000**								▸
8	**Tube pallet 125** steel, hot-dip galvanized, length of pallet posts: 0,86 m, load 1500 kg.	1.37 x 0.97	32.0	**5105.125**	▸	▸	▸	▸	▸	▸	▸	
9	**Scaffolding lock**											
	basic set, 10 locks, 2 keys and code card		2.2	**4000.003**	▸	▸	▸	▸	▸	▸	▸	
	basic set, 20 locks, 2 keys and code card		4.2	**4000.004**	▸	▸	▸	▸	▸	▸	▸	
	basic set, 50 locks, 4 keys and code card		10.5	**4000.005**	▸	▸	▸	▸	▸	▸	▸	
	Expansion set with same locking as basic set, 10 locks		2.1	**4000.011**	▸	▸	▸	▸	▸	▸	▸	
	Expansion set with same locking as basic set, 20 locks		4.2	**4000.006**	▸	▸	▸	▸	▸	▸	▸	
	Expansion set with same locking as basic set, 50 locks		10.5	**4000.007**	▸	▸	▸	▸	▸	▸	▸	
10	**Identification sign** Block à 50 pcs.		0.5	**6344.400**	▸	▸	▸	▸	▸	▸	▸	
11	**Prohibition sign**	Download at http://downloads.layher.com			▸	▸	▸	▸	▸	▸	▸	
12	**See-through pocket** for Ref. No. 6344.200 and 6344.202, 10 pcs.		0.35	**6344.010** NEW	▸	▸	▸	▸	▸	▸	▸	
13	**LayPLAN Rolling Tower Configurator** as CD-ROM.			**6345.700**	▸	▸	▸	▸	▸	▸	▸	

Spare parts

Spare parts			
14 	15 	16 	17 
21 	20 	19 	18 

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

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



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Headquarters in Eibensbach

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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 70-4 59
E-mail export@layher.com
www.layher.com

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