



ZARGES



Assembly and usage instructions

www.zarges.de

Z600 brace-free mobile scaffold towers

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1. General information

1.1. Introduction

These assembly and usage instructions apply exclusively to the scaffold towers described in these usage and assembly instructions.

The notes on safety and the rules and regulations for handling scaffold towers cover the scaffold towers referred to in this documentation.

Operators bear sole responsibility for:

- ensuring adherence to the local, regional and national regulations,
- observance of the regulations (laws, ordinances, guidelines etc.) for safe handling listed in the assembly and usage instructions,
- ensuring that the assembly and usage instructions are available to operating personnel and that the instructions, information, warnings and safety provisions they contain are followed to the letter.

1.2. Manufacturer

The manufacturer of the scaffold towers described in this documentation is

ZARGES GmbH & Co. KG
Access technology division
P.O. Box 16 30
82360 Weilheim

Tel.: 08 81 / 68 71 00
Telefax: 08 81 / 68 72 95
E-mail: zarges@zarges.de
Internet: <http://www.zarges.de>

1.3. Type approval

All single parts are tested by TÜV-Product Service. The all-in-one scaffold towers listed here are tested for structural stability.



1.4. Warranty

The scope and period of the warranty type are defined in the manufacturer's sales and delivery conditions. The assembly and usage instructions valid at the time of delivery (see Section 1.5) apply to all warranty claims arising from insufficient documentation. The following applies above and beyond the sales and delivery conditions: The manufacturer accepts no liability for damage to the scaffold towers arising from one of more of the following:

- Ignorance of or failure to observe these assembly and usage instructions
- Insufficiently qualified or instructed operating personnel
- Failure to use original spare parts.

The operator bears sole responsibility for ensuring

- that the safety provisions as defined in Section 5 are adhered to,
- that improper use (see Section 1.8), faulty erection and unauthorised operation are ruled out and
- that above and beyond this, intended use (see Section 1.7) is ensured and that the scaffold towers are operated in accordance with the application conditions defined in the contract.



1.5. Date of issue

The date of issue of these English assembly and usage instructions is 01 January 2008.

1.6. Copyright and trademark rights

- The copyright to these assembly and usage instructions lies with the manufacturer.
- The manufacturer also reserves all further rights, in particular in the case of the granting of a patent or utility patent registration.
- Any infringement of the conditions described above will result in liability for damages!

1.7. Intended use

The scaffold towers listed in these assembly and usage instructions may only be used as scaffold towers in accordance with EN 1004 and the overview of models contained in these assembly and usage instructions.

1.8. Improper use

Misuse - that is, any use of the scaffold towers documented in these assembly and usage instructions which deviates from that described in Section 1.7 - shall be deemed improper use as defined by the Product Safety Act (status 1.8.1997). This also applies to disregard of the standards and guidelines listed in these assembly and usage instructions.

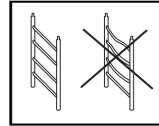


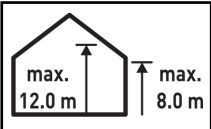
2. Setup

2.1. Safety provisions

1. The stipulations of EN 1004 "Mobile work platforms" apply to the structural safety, erection and use of the aforementioned scaffold towers.
2. The scaffold towers may only be set up and used by persons familiar with these assembly and usage instructions.
3. At least two persons are required to set up or dismantle the scaffold tower.

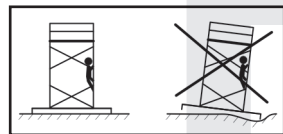
4. Undamaged and fault-free original spare parts for the manufacturer's scaffolding system to which the test certificate applies must be used. Before using the scaffold tower, all parts must be examined for correct assembly and functionality.



5.  The maximum platform heights as defined by EN 1004 are 8 m outdoors and 12 m in fully enclosed spaces. For the scaffold towers described in these assembly and usage instructions, the maximum platform height in fully enclosed spaces is 10 m.

6. The use of lifting tackle on the scaffold tower is not permissible.
7. The first platform must not be more than 4.40 m above floor level. The distance between further platforms must not exceed 4 m. The platforms must be at least 1.70 m apart.
8. When setting up or dismantling scaffold towers, platforms or scaffold planks must be laid out over the entire area at a distance of 2 m as an aid to assembly/dismantling. Where scaffold planks are used, they must extend 500 mm beyond the scaffold tower on each side. Standing on railings and braces is prohibited, even during setup and dismantling.

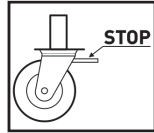
9. The scaffold tower may only be set up in vertical position on a horizontal, level surface of sufficient load-bearing capacity. Where necessary, load-distributing pads must be used.



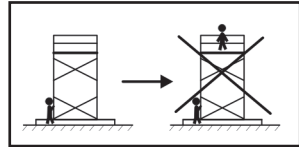
10. Chassis beams, ballast weights, stabilisers and stand-off brackets must be used to ensure structural safety as described in these assembly and usage instructions.
11. Working on the work platform is only permissible with full protection on 3 sides, i.e. guard-rail frame, knee protection and peripheral toeboards. Toeboards are not necessary on the rest platforms.
12. Working on several work platforms simultaneously is prohibited.

13. When setting up the scaffold tower alongside a wall, stand-off brackets (accessories, Order No. 42920) can be used in addition to ballast.
14. The maximum load-bearing capacity of the scaffold tower with an evenly distributed load is 2.0 kN/m² (in accordance with EN 1004 - scaffolding category 3).

15. All swivel castors must be locked in position by pressing down the brake levers. The brake levers may only be released in order to move the scaffold tower.

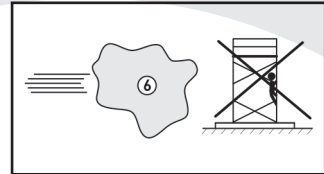


16. There must be no persons, tools or material on the platform when the scaffold tower is moved. Any impact must be avoided. The scaffold tower may only be moved by hand, in longitudinal or diagonal direction and on a firm, level surface free of obstacles. The scaffold tower must not be moved at more than normal walking speed.



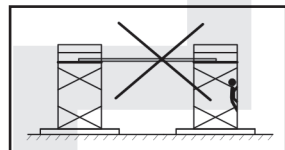
17. Vehicles (e.g. fork lifts) must not be used to move the scaffold tower. The scaffold tower must not be lifted, pulled or pushed using a fork lift.
18. The surface on which the scaffold tower is moved must be capable of bearing its weight.

19. Where the scaffold tower is used outdoors or in open buildings, it must be moved to a wind-sheltered position or secured against tipping over by other suitable means (e.g. anchors) at wind strengths exceeding 6 (on the Beaufort scale), at the onset of a storm and when finishing work for the day. When wind strengths exceed 6 (12 m/s), it becomes perceptibly difficult to walk.



20. When using anchors in combination with dowel connections, follow the instructions in the "Infosheet for attaching dowels for anchoring building scaffolding" (available from Carl Heymanns Verlag KG, Luxemburger Straße 449 in 50939 Cologne -Order No. ZH 1/500).

21. The use of planks etc. to bridge gaps between scaffolding and buildings is not permissible. The scaffold tower must not be used as a stair tower to reach other constructions.



22. Before using the scaffold tower, check that it is in vertical position and correct its alignment if necessary. The scaffold tower must also be checked for correct and complete setup as described in Section 2.8.
23. When using stabilisers, they must be attached beneath a rung. The stabiliser turning locks must always be attached.

2.2. Working on electrical units with the scaffold tower

The scaffold tower must not be used to perform work on or in the vicinity of unprotected live units unless

- the section of the unit in question has been disconnected,
- the section of the unit in question has been secured against being switched back on,
- the section of the unit in question has been checked to ensure that it is not live,
- the section of the unit in question has been short-circuited with a grounding bar and
- the section of the unit in question has been shielded against adjacent live parts.

2.3. Other applicable safety instructions

The scaffold tower must be tested, set up and used in accordance with the stipulations of

- BGI 663 [employers' liability insurance association, building construction] "Instructions for handling work and safety scaffolds."

BGR 165 and BGI 594 [formerly ZH 1/228] "Safety rules for the use of electrical equipment in the case of increased electrical hazard" apply when using electrical equipment on the scaffold tower.

2.4. Technical data

Brace-free scaffold tower, normal version 0.75 m x 1.8 m / 2.5 m / 3.0 m

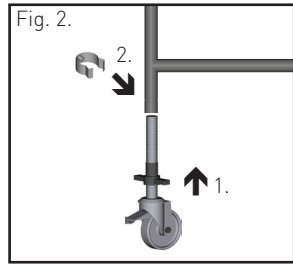
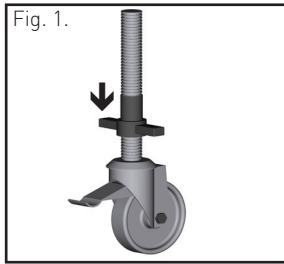
Approved in accordance with EN 1004	Scaffolding category 3
Permissible load in acc. with scaffolding category 3	200 kg/m ²
Maximum total scaffolding load	270 kg / 375 kg / 450 kg
Maximum platform load	270 kg / 375 kg / 450 kg
Maximum platform height	8.40 m
Maximum scaffold height	9.40 m
Maximum working height	10.40 m

Brace-free mobile scaffold tower, wide version 1.35 m x 1.8 m / 2.5 m / 3.0 m

Approved in accordance with EN 1004	Scaffolding category 3
Permissible load in acc. with scaffolding category 3	200 kg/m ²
Maximum total scaffolding load	486 kg / 675 kg / 810 kg
Maximum platform load	486 kg / 675 kg / 810 kg
Maximum platform height	8.40 m
Maximum scaffold height	9.40 m
Maximum working height	10.40 m

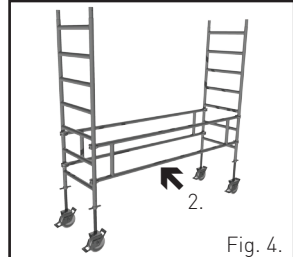
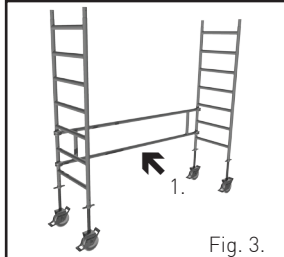
2.5. General assembly regulations

1. Fit the swivel castor with height adjuster on push-on end frame



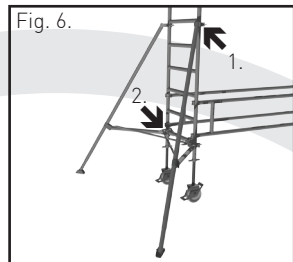
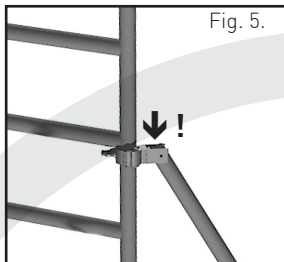
2. Attach auxiliary railings

To facilitate assembly, the two railings are attached to the two push-on end frames. When assembly has been completed, they are removed and returned to their original position.

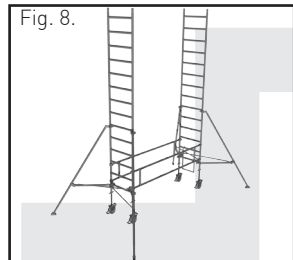
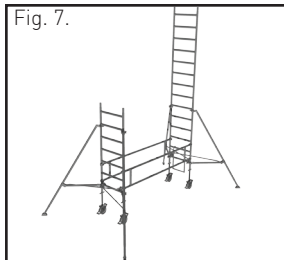


3. Fit stabilisers

To ensure structural safety, the upper coupling of the stabilisers must be attached **under** the rung (6th or 7th rung from the bottom). It is also essential to ensure that all stabilisers have contact with the ground!

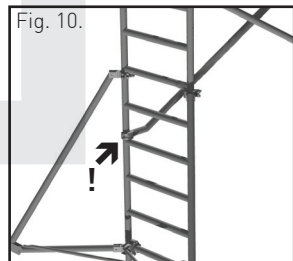
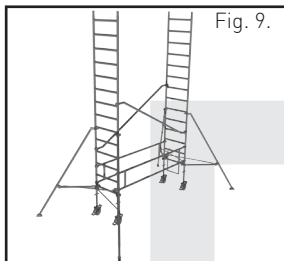


4. Fit further push-on end frames.



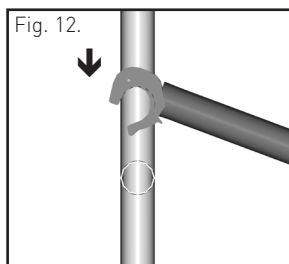
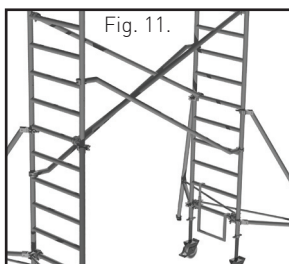
5. Fit the platform diagonals

Always attach the two platform diagonals directly **above the 4th rung** from the bottom. The platform diagonals are always attached from the inside to the outside.



6. Fit the diagonal braces

The diagonal braces are inserted as described in Chapter 2.10, depending on the scaffold height.



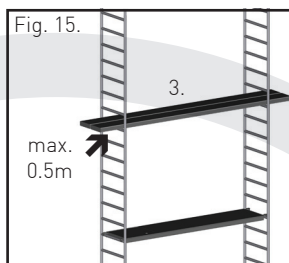
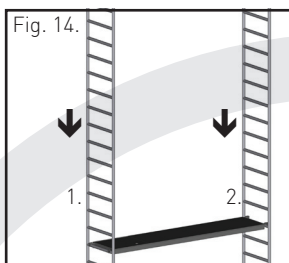
7. Align the scaffold tower

After setting up the basic module, it must be aligned using a spirit level. If the scaffold tower is first assembled and then moved to its place of deployment, it is essential to check the alignment again once it is in position.



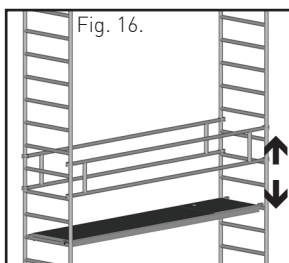
8. Fit the platforms

Scaffold planks or platforms must be installed as assembly aids. The platform is used as a standing area while carrying out further assembly steps (cf. Section 2.1 No. 7). All assembly aids (scaffold planks etc.) must be removed when the scaffold tower has been fully assembled.

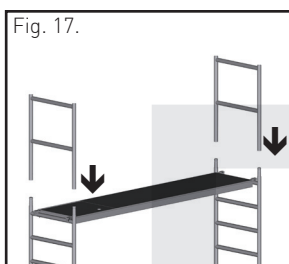


9. Fit railings to rest platform

(only on scaffold towers with a working height exceeding 7.60m)



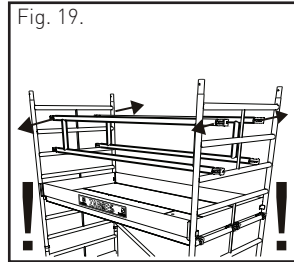
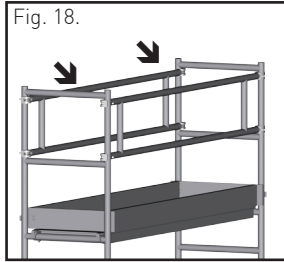
10. Fit guard-rail frame (topmost platform)



11. Fit railings to work platform

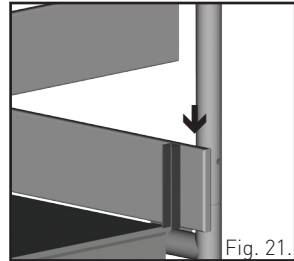
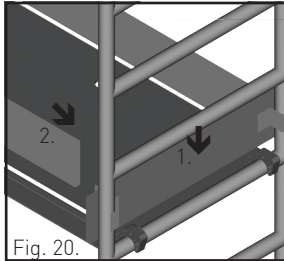
Remove auxiliary railings from Point 2 and insert at the top. Railings are attached from the inside to the outside.

Warning!: with the claws pointing outwards, snap into place in the push-on end frames and guard-rail frames.

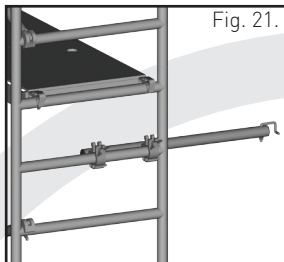


12. Fit the toeboards

(side toeboard, end toeboard)



13. Fit the wall anchor

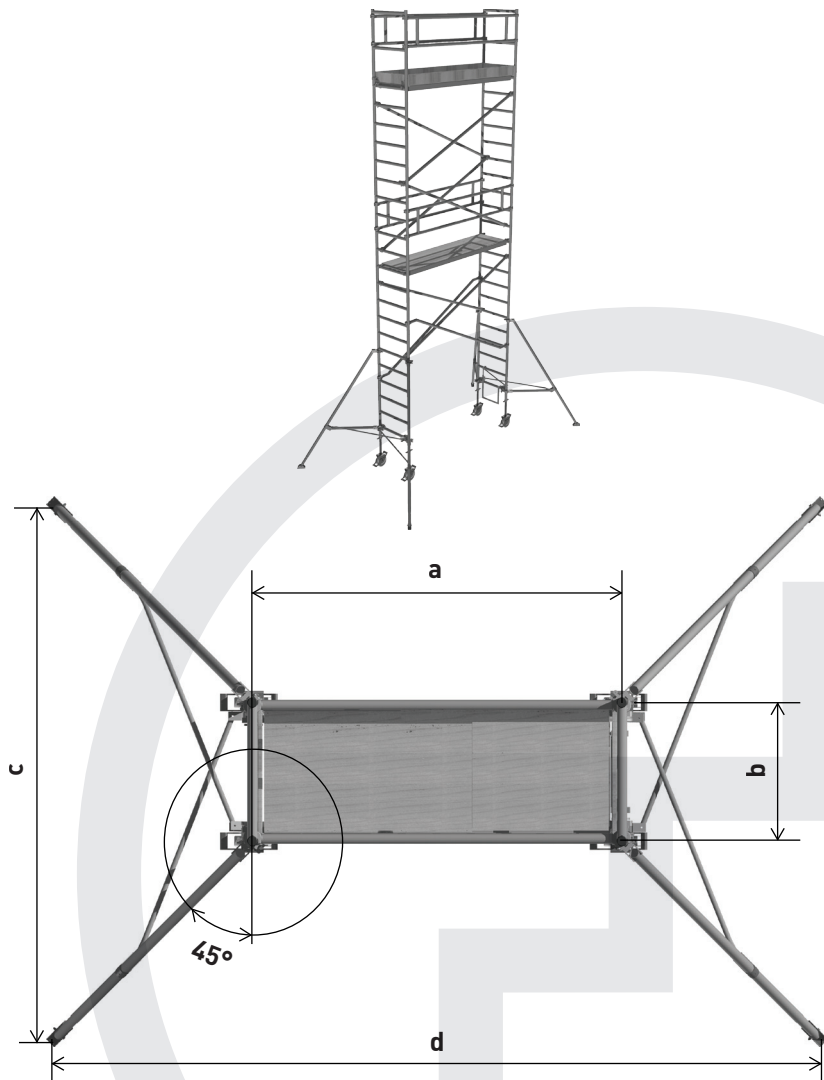


Important note!

Before climbing onto the scaffold tower, please check again that it is aligned horizontally and that all four stabilisers have ground contact, as this is essential for stability.

2.6. Basic dimensions

Width	0.75m			1.35m		
Length	1.8m	2.5m	3.0m	1.8m	2.5m	3.0m
a	1.8m	2.5m	3.0	1.8m	2.5m	3m
b	0.75m	0.75m	0.75m	1.35m	1.35m	1.35m
c	2.5m	2.5m	2.5m	3.25m	3.25m	3.25m
d	2.8m	3.5m	4.0m	2.8m	3.5m	4.0m



2.7. Identification



Type plate

Art. No.

max. perm. load

max. platform height

510429690000

42969 ZARGES

4 003866 429691

1 2 3 4 5 6 7 8 9 10 11 12 06

EAN code

510429690000

ZARGES

42942

TUV PRODUCT SERVICE GS EN-1004

Gerüstgruppe Scaffolding category Classe d'échafaudage **3**

200 kg/m²

Plattformhöhe Platform height Hauteur plate-forme **D**

max. 12,0 m ↑ max. 8,0 m

Achtung:
 Vor Inbetriebnahme
 Gebrauchsanleitung und
 Einsatzbeschränkungen
 beachten

Note:
 Observe both, the instructions
 for use and the operation
 instructions before putting
 the equipment into operation

Attention:
 Avant la mise en oeuvre
 observez le mode d'emloi
 et les restrictions
 d'utilisation

**ZARGES
 Z600**

4 003866 429424

2006

1 2 3 4 5 6 7 8 9 10 11 12

2.8. Parts list incl. ballast (see also 5.2)

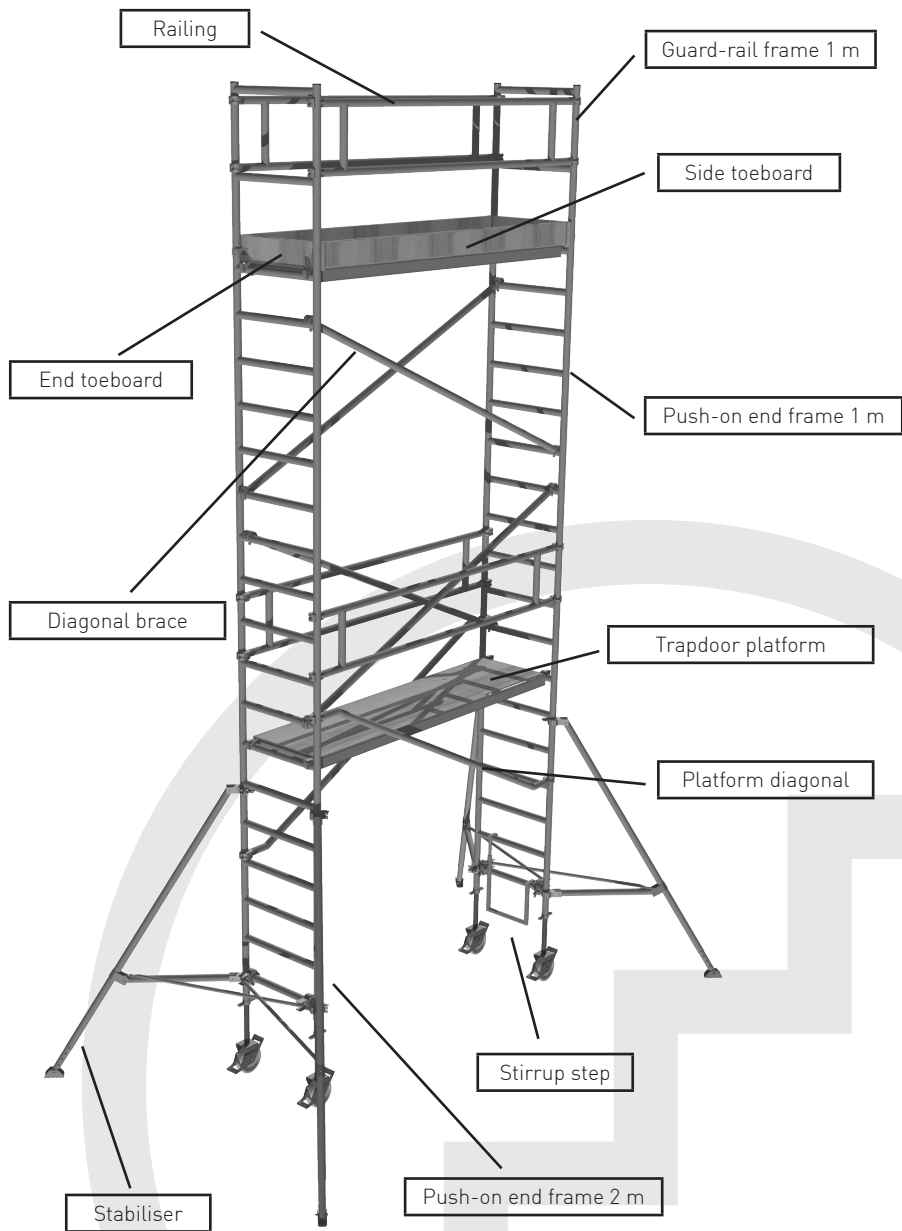
Brace-free mobile scaffold tower, normal version															Ballast		
Scaffold size	Working height ¹⁾	Parts list	Push-on end frame 1 m	Push-on end frame 2 m	Guard-rail frame 1 m	Railing	Trapdoor platform	End toeboard	Side toeboard	Diagonal brace	Platform diagonal	Triangular stabiliser	Swivel castor Ø200 mm	Stirrup step	Indoor use	Outdoor use	
approx. [m]		Order No.	42905	42904	42906	42955	42931	42913	42943	42937	42978	42926	42917	42940			
0.75 x 1.8	5.80	52030	2	2	2	2	1	2	2	2	2	4	4	1	0	0	
	6.45	52040	-	4	2	2	1	2	2	4	2	4	4	1	0	0	
	7.60	52050	2	4	2	4	2	2	2	4	2	4	4	1	0	0	
	8.40	52060	-	6	2	4	2	2	2	6	2	4	4	1	0	2	
	9.55	52070	2	6	2	4	2	2	2	8	2	4	4	1	1	7	
	10.40	52080	-	8	2	4	2	2	2	8	2	4	4	1	1	X	
approx. [m]		Order No.	42905	42904	42906	42956	42910	42913	42914	42908	42979	42926	42917	42940	42912		
0.75 x 2.5	5.80	52130	2	2	2	2	1	2	2	2	2	4	4	1	0	0	
	6.45	52140	-	4	2	2	1	2	2	4	2	4	4	1	0	0	
	7.60	52150	2	4	2	4	2	2	2	4	2	4	4	1	0	0	
	8.40	52160	-	6	2	4	2	2	2	6	2	4	4	1	0	1	
	9.55	52170	2	6	2	4	2	2	2	8	2	4	4	1	0	5	
	10.40	52180	-	8	2	4	2	2	2	8	2	4	4	1	1	X	
approx. [m]		Order No.	42905	42904	42906	42957	42933	42913	42944	42938	42980	42926	42917	42940	42912		
0.75 x 3.0	5.80	52230	2	2	2	2	1	2	2	2	2	4	4	1	0	0	
	6.45	52240	-	4	2	2	1	2	2	4	2	4	4	1	0	0	
	7.60	52250	2	4	2	4	2	2	2	4	2	4	4	1	0	1	
	8.40	52260	-	6	2	4	2	2	2	6	2	4	4	1	0	8	
	9.55	52270	2	6	2	4	2	2	2	8	2	4	4	1	0	X	
	10.40	52280	-	8	2	4	2	2	2	8	2	4	4	1	0	X	
¹⁾ With max. height-adjusted swivel castors 42917 (adjustable range: 0.30 m) Observe ballasting regulations in the assembly and usage instructions! X: not permissible!																	

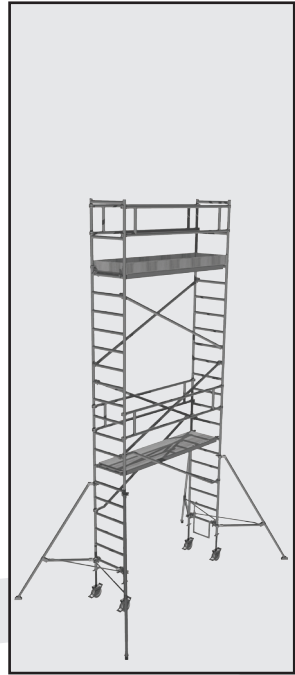
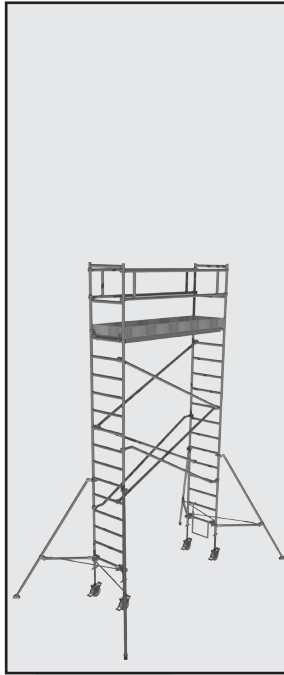
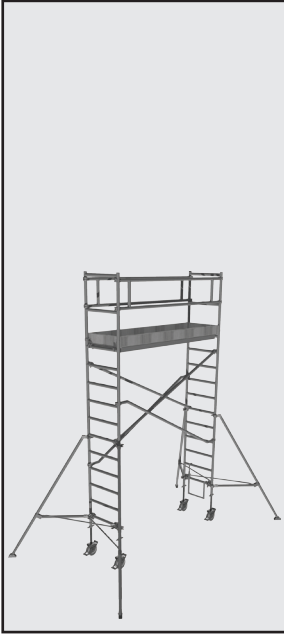
Number of ballast weights per swivel castor; attachment to stabiliser

Brace-free mobile scaffold tower, wide version																		
Scaffold size	Working height ¹⁾	Parts list	Push-on end frame 1 m	Push-on end frame 2 m	Guard-rail frame 1 m	Railing	Trapdoor platform	Platform without trapdoor	End toeboard	Side toeboard	Diagonal brace	Platform diagonal	Triangular stabiliser	Swivel castor Ø200 mm	Stirrup step	Ballast	Indoor use	Outdoor use
approx. [m]	Order No.	42902	42901	42903	42955	42931	42932	42911	42943	42937	42978	42926	42917	42940				
1.35 x 1.8	5.80	52330	2	2	2	2	1	1	2	2	2	2	4	4	1	Number of ballast weights per swivel castor, attachment to stabiliser	0	0
	6.45	52340	-	4	2	2	1	1	2	2	4	2	4	4	1		0	0
	7.60	52350	2	4	2	4	2	2	2	2	4	2	4	4	1		0	1
	8.40	52360	-	6	2	4	2	2	2	2	6	2	4	4	1		0	2
	9.55	52370	2	6	2	4	2	2	2	2	8	2	4	4	1		0	3
	10.40	52380	-	8	2	4	2	2	2	2	8	2	4	4	1		0	X
approx. [m]	Order No.	42902	42901	42903	42956	42910	42930	42911	42914	42908	42979	42926	42917	42940			42912	
1.35 x 2.5	5.80	52430	2	2	2	2	1	1	2	2	2	2	4	4	1	Number of ballast weights per swivel castor, attachment to stabiliser	0	0
	6.45	52440	-	4	2	2	1	1	2	2	4	2	4	4	1		0	0
	7.60	52450	2	4	2	4	2	2	2	2	4	2	4	4	1		0	0
	8.40	52460	-	6	2	4	2	2	2	2	6	2	4	4	1		0	0
	9.55	52470	2	6	2	4	2	2	2	2	8	2	4	4	1		0	2
	10.40	52480	-	8	2	4	2	2	2	2	8	2	4	4	1		0	X
approx. [m]	Order No.	42902	42901	42903	42957	42933	42934	42911	42944	42938	42980	42926	42917	42940			42912	
1.35 x 3.0	5.80	52530	2	2	2	2	1	1	2	2	2	2	4	4	1	Number of ballast weights per swivel castor, attachment to stabiliser	0	0
	6.45	52540	-	4	2	2	1	1	2	2	4	2	4	4	1		0	0
	7.60	52550	2	4	2	4	2	2	2	2	4	2	4	4	1		0	0
	8.40	52560	-	6	2	4	2	2	2	2	6	2	4	4	1		0	0
	9.55	52570	2	6	2	4	2	2	2	2	8	2	4	4	1		0	X
	10.40	52580	-	8	2	4	2	2	2	2	8	2	4	4	1		0	X

¹⁾ With max. height-adjusted swivel castors 42917 (adjustable range: 0.30 m)
 Observe ballasting regulations in the assembly and usage instructions!
 X: not permissible!

2.9. Position of the single parts

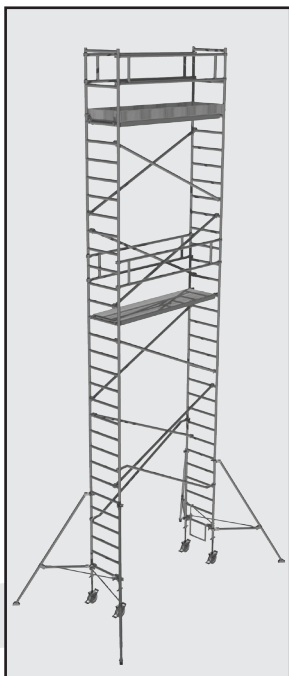
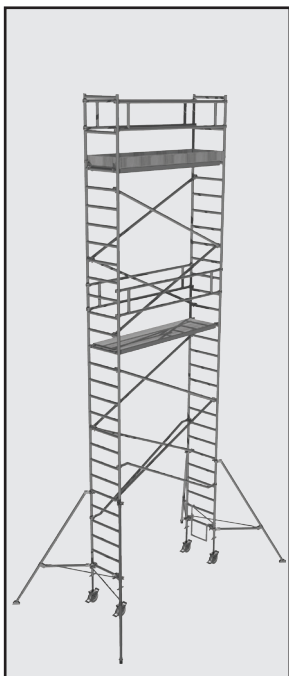
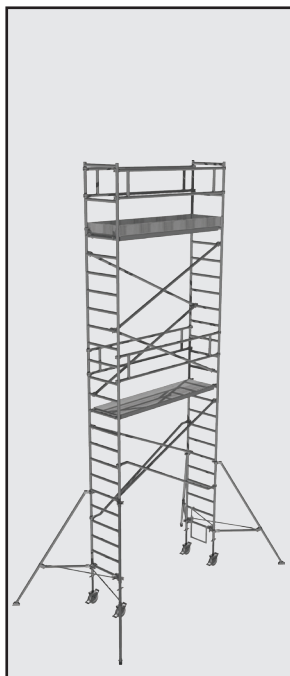


2.10. Assembly drawings


Order No.	52030
Scaffold size	0.75x1.80m
Working height	5.80m
Scaffold height	4.80m
Platform height	3.80m
Weight	130.6kg
Order No.	52130
Scaffold size	0.75x2.50m
Working height	5.80m
Scaffold height	4.80m
Platform height	3.80m
Weight	140.7kg
Order No.	52230
Scaffold size	0.75x3.00m
Working height	5.80m
Scaffold height	4.80m
Platform height	3.80m
Weight	152.1kg

Order No.	52040
Scaffold size	0.75x1.80m
Working height	6.45m
Scaffold height	5.45m
Platform height	4.45m
Weight	141.2kg
Order No.	52140
Scaffold size	0.75x2.50m
Working height	6.45m
Scaffold height	5.45m
Platform height	4.45m
Weight	152.1kg
Order No.	52240
Scaffold size	0.75x3.00m
Working height	6.45m
Scaffold height	5.45m
Platform height	4.45m
Weight	164.3kg

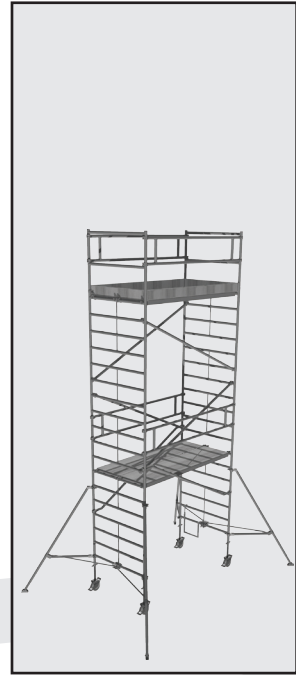
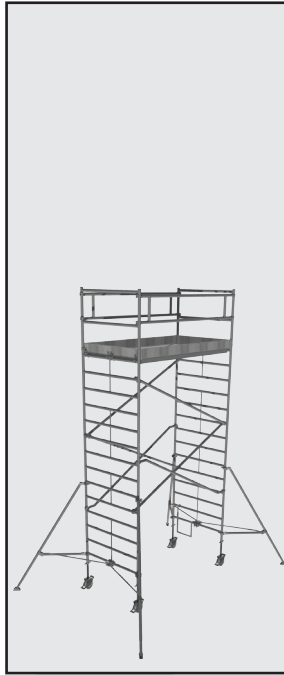
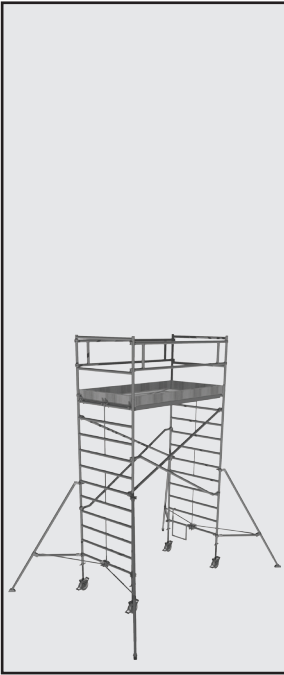
Order No.	52050
Scaffold size	0.75x1.80m
Working height	7.60m
Scaffold height	6.60m
Platform height	5.60m
Weight	172.8kg
Order No.	52150
Scaffold size	0.75x2.50m
Working height	7.60m
Scaffold height	6.60m
Platform height	5.60m
Weight	190.4kg
Order No.	52250
Scaffold size	0.75x3.00m
Working height	7.60m
Scaffold height	6.60m
Platform height	5.60m
Weight	210.4kg



Order No.	52060
Scaffold size	0.75x1.80m
Working height	8.40m
Scaffold height	7.40m
Platform height	6.40m
Weight	183.4kg
Order No.	52160
Scaffold size	0.75x2.50m
Working height	8.40m
Scaffold height	7.40m
Platform height	6.40m
Weight	201.8kg
Order No.	52260
Scaffold size	0.75x3.00m
Working height	8.40m
Scaffold height	7.40m
Platform height	6.40m
Weight	222.6kg

Order No.	52070
Scaffold size	0.75x1.80m
Working height	9.55m
Scaffold height	8.55m
Platform height	7.55m
Weight	196.6kg
Order No.	52170
Scaffold size	0.75x2.50m
Working height	9.55m
Scaffold height	8.55m
Platform height	7.55m
Weight	215.8kg
Order No.	52270
Scaffold size	0.75x3.00m
Working height	9.55m
Scaffold height	8.55m
Platform height	7.55m
Weight	237.4kg

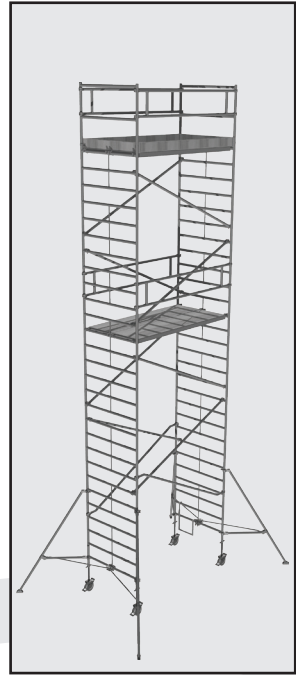
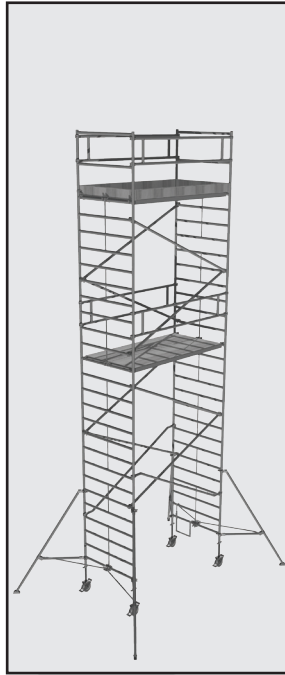
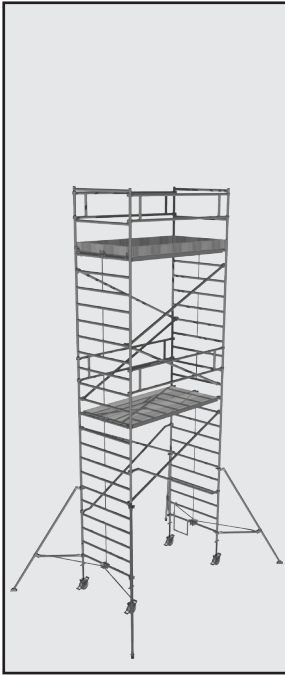
Order No.	52080
Scaffold size	0.75x1.80m
Working height	10.40m
Scaffold height	9.40m
Platform height	8.40m
Weight	202.0kg
Order No.	52180
Scaffold size	0.75x2.50m
Working height	10.40m
Scaffold height	9.40m
Platform height	8.40m
Weight	221.2kg
Order No.	52280
Scaffold size	0.75x3.00m
Working height	10.40m
Scaffold height	9.40m
Platform height	8.40m
Weight	242.8kg



Order No.	52330
Scaffold size	1.35x1.80m
Working height	5.80m
Scaffold height	4.80m
Platform height	3.80m
Weight	157.1kg
Order No.	52430
Scaffold size	1.35x2.50m
Working height	5.80m
Scaffold height	4.80m
Platform height	3.80m
Weight	172.0kg
Order No.	52530
Scaffold size	1.35x3.00m
Working height	5.80m
Scaffold height	4.80m
Platform height	3.80m
Weight	188.0kg

Order No.	52340
Scaffold size	1.35x1.80m
Working height	6.45m
Scaffold height	5.45m
Platform height	4.45m
Weight	170.5kg
Order No.	52440
Scaffold size	1.35x2.50m
Working height	6.45m
Scaffold height	5.45m
Platform height	4.45m
Weight	186.2kg
Order No.	52540
Scaffold size	1.35x3.00m
Working height	6.45m
Scaffold height	5.45m
Platform height	4.45m
Weight	203.0kg

Order No.	52350
Scaffold size	1.35x1.80m
Working height	7.60m
Scaffold height	6.60m
Platform height	5.60m
Weight	218.6kg
Order No.	52450
Scaffold size	1.35x2.50m
Working height	7.60m
Scaffold height	6.60m
Platform height	5.60m
Weight	245.8kg
Order No.	52550
Scaffold size	1.35x3.00m
Working height	7.60m
Scaffold height	6.60m
Platform height	5.60m
Weight	275.0kg



Order No.	52360
Scaffold size	1.35x1.80m
Working height	8.40m
Scaffold height	7.40m
Platform height	6.40m
Weight	232.0kg
Order No.	52460
Scaffold size	1.35x2.50m
Working height	8.40m
Scaffold height	7.40m
Platform height	6.40m
Weight	260.0kg
Order No.	52560
Scaffold size	1.35x3.00m
Working height	8.40m
Scaffold height	7.40m
Platform height	6.40m
Weight	290.0kg

Order No.	52370
Scaffold size	1.35x1.80m
Working height	9.55m
Scaffold height	8.55m
Platform height	7.55m
Weight	249.0kg
Order No.	52470
Scaffold size	1.35x2.50m
Working height	9.55m
Scaffold height	8.55m
Platform height	7.55m
Weight	277.8kg
Order No.	52570
Scaffold size	1.35x3.00m
Working height	9.55m
Scaffold height	8.55m
Platform height	7.55m
Weight	308.6kg

Order No.	52380
Scaffold size	1.35x1.80m
Working height	10.40m
Scaffold height	9.40m
Platform height	8.40m
Weight	257.2kg
Order No.	52480
Scaffold size	1.35x2.50m
Working height	10.40m
Scaffold height	9.40m
Platform height	8.40m
Weight	286.0kg
Order No.	52580
Scaffold size	1.35x3.00m
Working height	10.40m
Scaffold height	9.40m
Platform height	8.40m
Weight	316.8kg

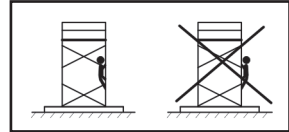


3. Note on dismantling the scaffold tower

To dismantle the scaffold tower, follow the steps for assembly in reverse order. Before commencing dismantling, ensure that the necessary platforms or scaffold planks are installed again and laid flat for personnel to stand on. No part of the scaffold tower (braces, platforms etc.) may be removed before the levels above have been completely dismantled.

4. Usage regulations

1. Personnel must always climb to the work platform from the inside of the tower.
2. Personnel are prohibited to brace themselves against the side protection while working.
3. Jumping on the platforms is prohibited.
4. Horizontal loads which could cause the scaffold tower to tip over must not be generated, e. g. as a result of working on adjacent constructions.
5. Particular attention must be paid to wind conditions which might cause the scaffold tower to tip over when it is used in buildings open to the passage of wind, in uncovered buildings or at the corners of buildings.
6. Using ladders, crates or similar means to increase the height of the platform is prohibited.
7. Tools and materials may only be handed upwards. Always take the weight of tools and materials into consideration to avoid overloading the work platform. The person handing the load upwards must not let go of it until the person receiving it has a firm hold on it.
8. Scaffold towers with swivel castors can be moved to their final location after assembly (the ground or floor must not slope by more than 3 %). Any impact must be avoided. When the scaffold tower is in its final position, the alignment must be checked again.
9. When moving the scaffold tower, always take care that it does not touch any live equipment.
10. Electrical tools (drills etc.) may only be operated on the scaffold tower at Safety Extra Low Voltage (48 V), with protective insulation (separation transformer) or if they are connected with a ground fault circuit interrupter with a residual current of 30 mA. The stipulations of BGI 594 (formerly ZH 1/228) must be complied with.
11. Tools and materials must be stored on the work platform in such a way that there is a passageway of 20 cm at the sides of the work platform.



5. Structural safety regulations

5.1. General information

Chassis beams and stabilisers ensure that the scaffold tower is stable. However, depending on the place of deployment (indoor / outdoor use), these may need to be fitted with ballast weights. Please see the parts lists (Point 2.8) for details of the ballast required.

5.2. Attaching the ballast

Where the ballast weights are attached and how many of them are required will depend on the specific setup and platform height of the scaffold tower. Please see the parts lists in Section 2.8 (right-hand side of the tables) for details of the precise quantity of ballast required.

Attach the ballast weights via the holders on the swivel castors; see Fig. below. When setting up the scaffold tower, ballast weights with couplings (Order No. 42912) must be used. The ballast weights must be attached to the stabilisers (as close to the foot as possible).



5.3. Maintenance, servicing, storage and cleaning

The scaffold tower can be cleaned using water with a little household cleaning agent added. Paint spots can be removed using turpentine. Cleaning agent must not be allowed to soak into the soil, and used cleaning solutions must be disposed of in accordance with the relevant environmental protection regulations.

Lubricating moving parts

Lubricate all moving parts (height adjusters, swivel castor bearings, fasteners) with standard oil. Select a thin-bodied oil when using the scaffold tower in winter. Wipe off superfluous oil. Oil must not be allowed to drip onto steps and platforms - danger of slipping. Dispose of oil-soaked cleaning cloths in accordance with the relevant environmental protection regulations.

Storage

The components of the scaffold tower must be stored in such a way that damage is ruled out. The components of the scaffold tower must be stored in such a way that they are protected from the elements. During transport to and from the place of storage, the scaffold tower components must be secured to prevent sliding and impact. The scaffold tower components must not be thrown during loading or unloading.

5.4. Testing the scaffold tower components

If defects are ascertained, the affected components must not be used again.

Push-on end frame

- Check for warping, crushing and cracks.

Braces (diagonal / railings)

- Check for warping, crushing, cracks and correct functioning of the fastening elements.

Platform

- Check for warping, crushing, cracks and correct functioning of the fastening elements.
- Check the condition of the wood.
- Check trapdoors for correct functioning.

Toeboards

- Check the condition of the wood.
- Check the toeboards for cracks.

Swivel castors

- Check the castor for smooth running and check that the brake stops the castor rolling or twisting.
- In the case of swivel castors with height adjusters, also check that the height adjusters move easily.
- Check the fail-safe device (wing bolt, locking pin) on the chassis beams and basic frame.

Stop springs

- Check for warping, crushing, cracks and correct seating.

If you require further information or if problems not covered in these assembly and usage instructions occur, you can contact the manufacturer directly (see Section 1.2).

We would also like to point out that these assembly and usage instructions do not constitute part of or change any previously existing agreement, commitment or legal relationship. All obligations arise from the respective purchase contract, which also contains the complete and solely valid terms of warranty (see also Section 1.4). These terms of warranty in the contract are neither extended nor limited in any way by these assembly and usage instructions.

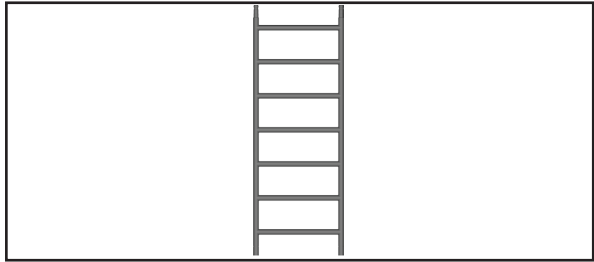
This document may only be passed on to third parties, duplicated or its contents disclosed with the express approval of the manufacturer. Any infringement of the conditions described above will result in liability for damages.

6. Spare parts

Push-on end frame, normal

0.75 m x 1.12 m	42905
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0.75 m x 1.96 m	42904
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Push-on end frame, wide

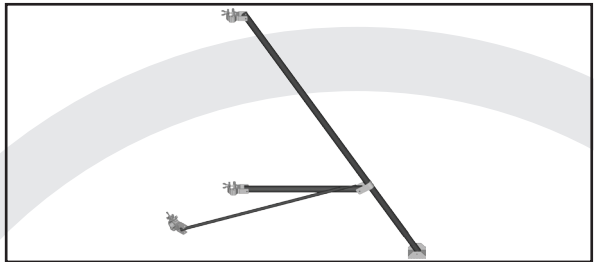
1.35 m x 1.12 m	42902
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1.35 m x 1.96 m	42901
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Triangular stabiliser

2.25 m - 2.45 m	42926
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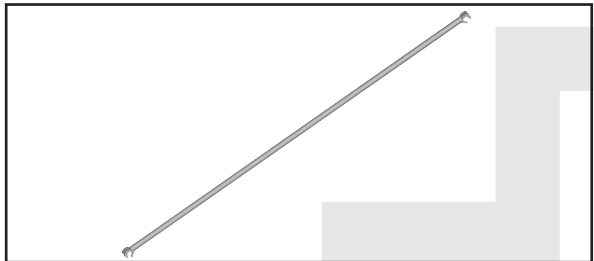


Diagonal brace

1.80 m	42937
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2.50 m	42908
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3.00 m	42938
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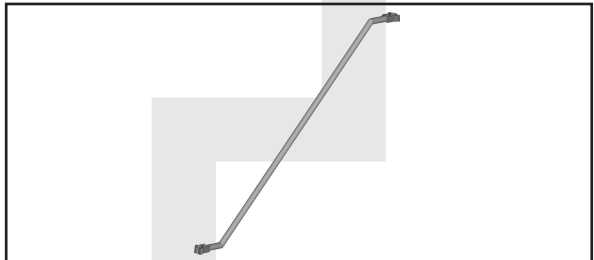


Platform diagonal

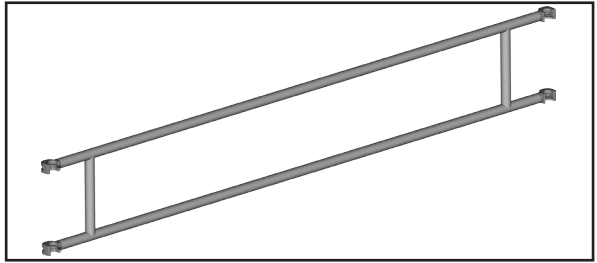
1.80 m	42978
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2.50 m	42979
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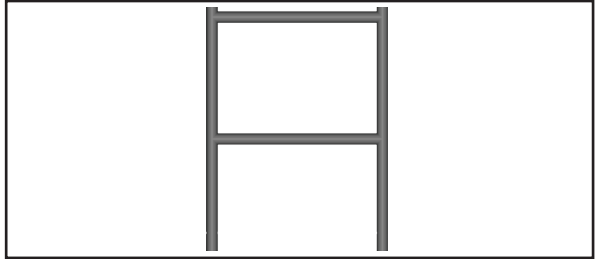
3.00 m	42980
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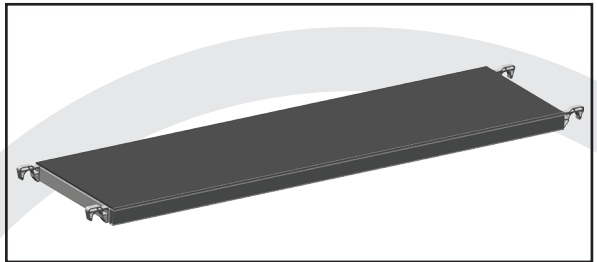
Railings	
1.80 m	42955
2.50 m	42956
3.00 m	42957



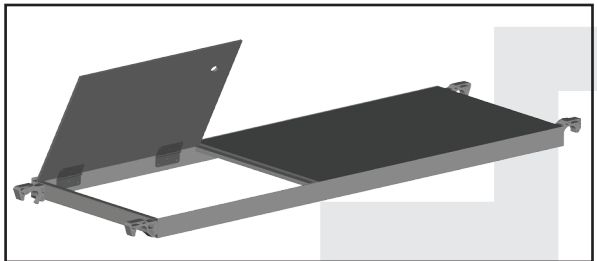
Guard-rail frame	
0.75 m	42906
1.35 m	42903



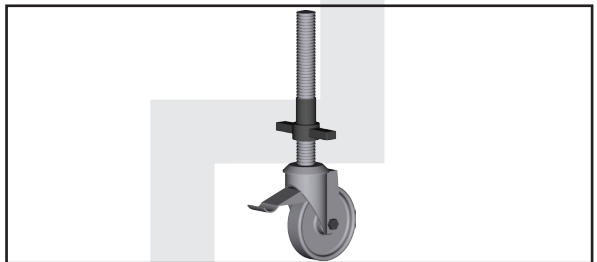
Platform without trapdoor	
1.80 m	42932
2.50 m	42930
3.00 m	42934



Trapdoor platform	
1.80 m	42931
2.50 m	42910
3.00 m	42933



Swivel castor with height adjuster	
200 mm (piece)	42917

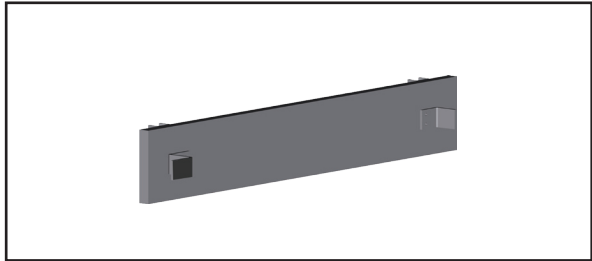


26 | Assembly and usage instructions
Z600 brace-free mobile scaffold towers

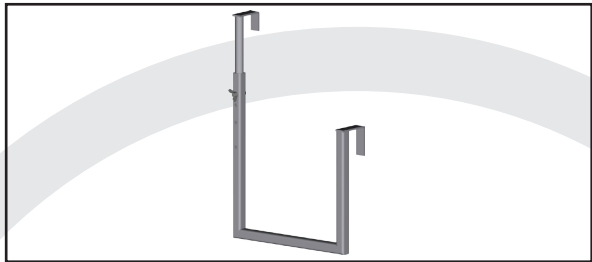
Side toeboard	
1.80 m	42943
2.50 m	42914
3.00 m	42944



End toeboard	
0.75 m	42913
1.35 m	42911

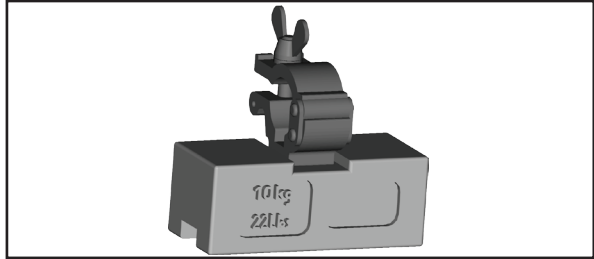


Stirrup step	
0.40 m	42940



7. Accessories

Ballast weight	
10 kg	42912



Wall anchor	
0.90 m	42920

