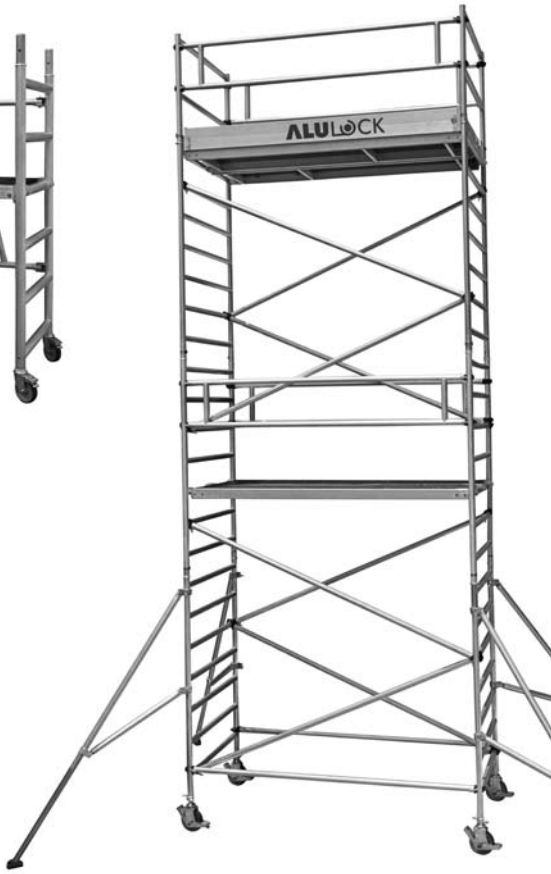
ALULOCK

User manual for aluminium scaffolding

October 2012

SP
Typkontrollerad
SPCR 064
enligt Arbetsmiljöverkets krav
AFS 2004:3

SS-EN1004



GB

Folding and mobile scaffolds

with or without internal step

75 x 180 cm. 75 x 245 cm. 75 x 300 cm.

135 x 180 cm. 135 x 245 cm. 135 x 300 cm.

1.0 Folding and mobile scaffolds with and without internal steps

Manufacturer: Ryberg Lonardi Holding
Teglovnsvej 33
DK-4100 Ringsted, Denmark

Certification: SS - EN 1004
Safety assessment proof test no. 379802

Typkontrollerad SPCR 064 enligt Arbetsmiljöverkets krav AFS 2004:3

1.1 Technical data: Permissible load:
2.0 kN/m²
(total on 1 platform level only)
SS - EN 1004 Class 3 scaffold
Surface load (platform) 2.0 kN/m²
Concentrated load area 0.5 x 0.5 m. 1.50 kN/m²
Concentrated load area 0.2 x 0.2m 1.00 kN/m²

Max. permissible load on one platform level only

Scaffold dimensions:		
	0.75 x 1.80 m. 202 kg.	1.35 x 1.80 m. 404 kg.
	0.75 x 2.45 m. 286 kg.	1.35 x 2.45 m. 572 kg.
	0.75 x 3.00 m. 348 kg.	1.35 x 3.00 m. 696 kg.

Important! The user has sole responsibility for ensuring that:

- Statutory and other applicable regulations of supervisory bodies and the relevant provisions of the Health and Safety at work regulations are complied with.
- The rules set out in the user manual and assembly instructions relating to the safe use of the scaffolding are complied with.
- Persons working with the scaffolding have access to the assembly instructions and user manual and observe the warnings and information contained therein, as well as complying with the safety regulations.
- The maximum platform height is restricted to 8 metres outdoors and 12 metres in enclosed spaces.
- The use of mobile scaffolds is only permitted where a 3-point outrigger conforming to the model overview, section 3.1 – 3.2 is used.
- Counterweights are attached and positioned depending on the type of installation, height of the platform and type of scaffolding. See overview of “Counterweight Tables”, section 3.5 – 3.6.
- Scaffolding is only moved to, or set up in another work area when the difference in level is less than a 3% angle of inclination.
- The scaffolding may only be set up and used after the user manual pertaining to it has been read.

ALULOCK ApS cannot accept liability for errors in the user manual or for direct or indirect loss resulting from the supply, installation or use of a scaffold.

ALULOCK ApS cannot accept liability for compensation to injured parties who have failed to observe the safety regulations and instructions in this user manual.

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2.0 Safety regulations

1. The following regulations, in accordance with SS-EN 1004 on ”mobile work platforms” apply to the stability, erection and use of the types of scaffolding described in this user manual.
2. Folding and mobile scaffolds may only be assembled and used by persons who are familiar with this user manual and assembly instructions.
3. Only undamaged, original Alulock parts may be used.
4. Folding and mobile scaffolds may only be erected vertically, on an even and stable supporting surface that will safely support the load of the scaffold and its intended use.
5. Before using the scaffold, an inspection must be carried out to ensure that all parts described in the user manual have been installed and the assembly has been carried out in accordance with section 4.0.
6. To ensure the stability of the scaffold, counterweights, wall spacers and anchors must be used as described in this user manual and assembly instructions. A wall anchor can not be replaced by a 3-point outrigger and/or counterweights.
7. To ensure the stability of the installation, the legally required 3-point outrigger must be used for scaffold towers above 4 metres. The model overview must be followed when 3-point outriggers are used.
8. The scaffolding frames are fitted with guides for 200 mm wheels. To secure and anchor the wheelshaft, the parking brakes must be used on the wheels.
9. All guide wheels must be anchored by engaging the wheel stop. The wheel stops may only be released when the scaffold is being moved.
10. The scaffold frames are fitted and secured using spring bolts. The guard rail frames are the top edge of the scaffold. These guard rail frames are also secured using spring bolts. The model overview in these assembly instructions and user manual shows how diagonal braces as well as frames and platforms are to be attached at each scaffold height.
11. Guardrails and diagonal and horizontal braces are secured with quick-release locks , braces must always be fitted with the opening facing down. The guard rail is always fitted from the inside, with the lock opening facing out. To open the quick-release lock, press down the lock catch.
12. All scaffolds with a platform height above 2.00m may only be operated with toeboards, guard rail frames and guard rails in place.
13. When erecting scaffolds against walls, only wall anchors which have been supplied by us may be used. The correct use of wall anchors is described in this manual in section 5.1 under ”Use of wall anchors”.
14. Platforms set at a distance of 2.0m to a maximum of 2.5m back from the scaffold which is to be erected/dismantled must be used to erect and dismantle scaffolds. The distance from the ground to the first work platform may not exceed 4.4m.
15. The platform may only be accessed from within the scaffolding, the hatches must be kept closed and locked after access!
16. Loads must be distributed evenly on platforms and must not exceed a maximum load of 2.0 kN/m². Only one platform may bear weight.
17. It is not permitted to use planks to make the scaffold into a means of access to a building.
18. It is not permitted to bounce or jump on the scaffold.

2.0 Sikkerhedsbestemmelser

19. It is not permitted to create horizontal loads, e.g. through work on neighbouring structures, which could cause the scaffold to tip over.
20. It is not permitted to use hoisting equipment on scaffolds.
21. It is not permitted to raise the height of the platform using boxes, ladders or similar items.
22. It is not permitted to push against the side of the scaffold while working.
23. It is not permitted to use vehicles, lifts, fork-lifts or similar equipment to move or raise the scaffold.
24. The scaffold may only be moved by persons. This should be done at a steady, even pace. During the move, there should be no persons, materials or tools on the platforms. The scaffold must be moved lengthways or diagonally on a firm, stable and even surface without obstructions. The maximum inclination is 3%.
25. The maximum permissible wind speed when moving a scaffold is 6 m/sec.
26. When using anchors in conjunction with anchor botls, the applicable regulations rela ting to the assembly of bolts for anchoring facade scaffolding must be followed. The anchorage should be fitted to the horizontal part of the scaffold, close to the frame. Only anchorage components supplied by the manufacturer may be used to anchor the scaf fold. For the correct assembly, see the diagram in section 5.1 “Assembly”.
27. When erecting outdoors or in open bildings, the scaffold must be brought into the slipstream of the wind as soon as the wind speed exceeds 6 m/sec. Otherwise anchors must be fitted or other measures taken to protect the scaffold from overturning. This ap plies in particular where a storm warning has been issued and also before end of a working day.
28. The diagrams and descriptions set out below in section 3.1 to 5.1 must also be fol lowed as an additional safety measure.
29. When working near high voltage currents and power lines, the safe distance must be observed at all times. Important! Proximity to power lines can cause electric arcs to be created – working near live power lines can result in death if the safe distance is not ob served! Follow the safety regulations when working with electrical wires and power lines – If in doubt, contact the proper regulatory body BEFORE installation.
30. Scaffolds erected in locations with an increased risk of collisions (e.g. from vehicles), must be provided with additional warning signs visible to traffic.
31. ALULOCK ApS cannot accept liability for errors in the user manual or for direct or indirect loss resulting from the supply, installation or use of a scaffold.
32. ALULOCK ApS cannot accept liability for compensation to injured parties who have f failed to observe the safety regulations and instructions in this user manual.

2.1 Care and maintenance

The aluminium scaffold is a product which is virtually everlasting when treated in the cor-rect way. The lightweight scaffold is easy to transport and requires little maintenance.

2.2 Inspection and checking of individual parts of the scaffold frame

Checks should be made for deformations, cracks, dents and fractures. If a defect in the material is discovered, the gable frame must not be used.

Horizontal and diagonal braces

Checks should be made for deformations, cracks, dents and fractures. Also check whether the quick-release locks are working and closing correctly. If a defect in the material is discovered, the braces must not be used.

Rails – 3-point outriggers

Checks should be made for deformations, cracks, dents and fractures. Also check whether the quick-release locks are working and closing correctly. If a defect in the material is discovered, the railings and 3-point outriggers must not be used.

Platform

Checks should be made for deformations, cracks, dents and fractures. Also check whether the quick-release locks and the spring bolts are working and closing correctly. Whether the self-closing hatches open and shut, whether the hinges are working. If a defect in the material is discovered, the platforms must not be used.

Toeboards

Checks should be made for deformations, cracks, dents and fractures. If a defect in the material is discovered, the toeboards must not be used.

Wheels – shafts

Check whether the wheels are free of damage, can turn easily and are moving without obstruction.

Check whether the brakes are secure and gripping tightly. That the shafts move easily, are not cracked or dented and that there is no damage to the thread. If a defect in the material is discovered, the wheels and shafts must not be used.

2.3 Storage and transport

1.When storing the scaffold, care should be taken to ensure that it does not become damaged or exposed to weathering. Store lying flat if possible

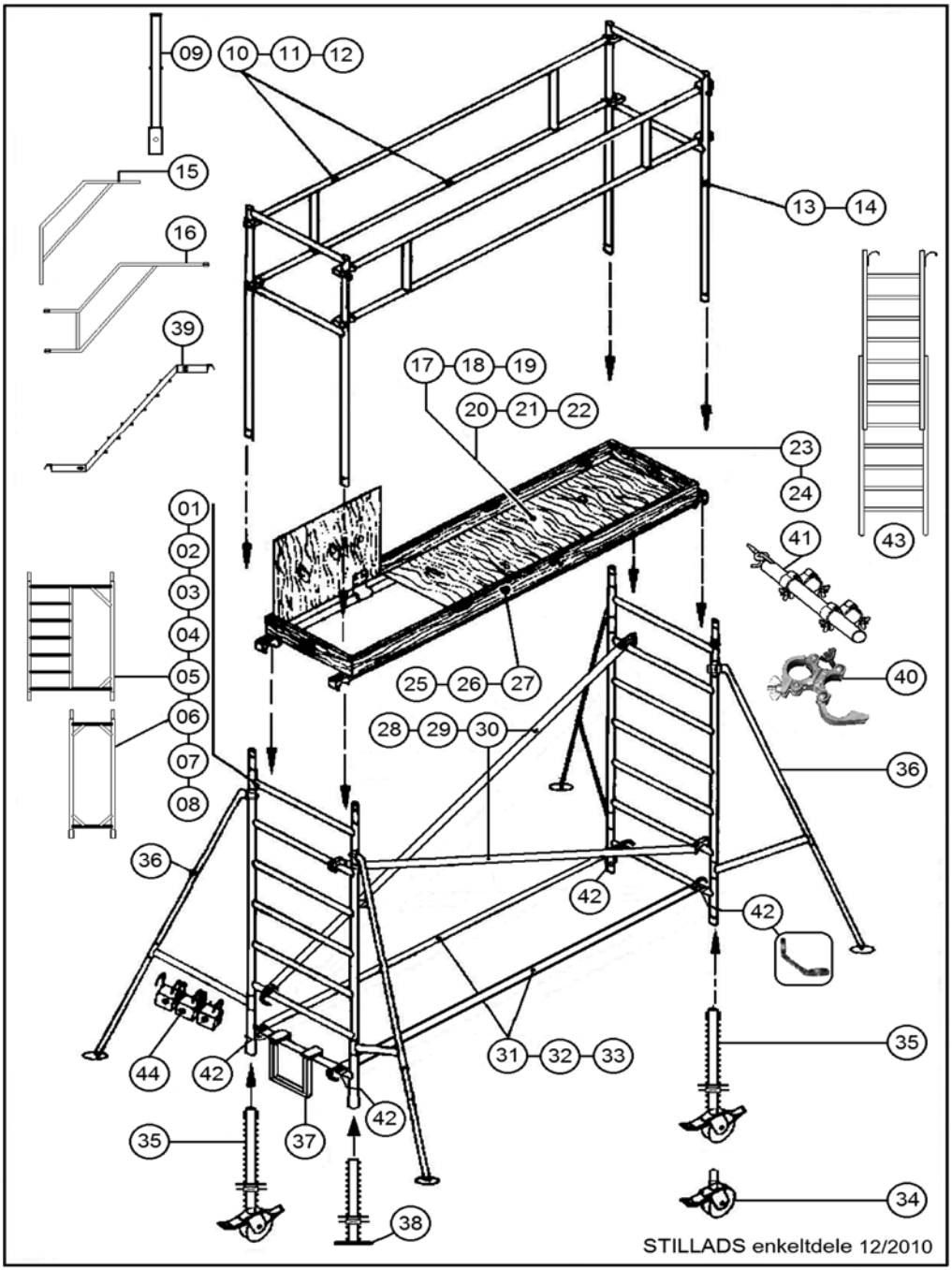
2. Please handle the scaffolding parts carefully during transport between the storage location and the place of use. Ensure that individual parts are properly secured during transport, so that they do not become wedged together or hit off each other or fall off the transporting vehicle.

2.4 Cleaning - lubrication

1. The scaffold can be cleaned with general purpose cleaning materials. Turpentine or paint stripper is recommended for removing paint.

2. Lubricate wheel bearings and shafts with ordinary thin lubricating oil. WARNING! Comply with the applicable regulations.

3.0 Individual parts of the scaffolding



3.0 Individual parts of the scaffolding

Fig no.	Item description	Weight in kg	Order no.
01	Add-on frame 1 m. / 0.75 m.	3.4	SF75100
02	Add-on frame 1 m. / 1.35 m.	4.9	SF135100
03	Add-on frame 2 m. / 0.75 m.	5.5	SF75200
04	Add-on frame 2 m. / 1.35 m.	8.8	SF135200
05	Access frame 2 m. / 1.35 m.	9.4	SFH135200
06	Access frame 2 m. / 0.75 m.	6.0	SFH75200
07	Access frame 0.5 m. / 0.75 m.	1.8	SF75050
08	Access frame 0.5 m. / 1.35 m.	2.4	SF135050
09	Vertical guard rail, 1.00 m.	0.2	H100
10	Lengthways guard rail, 1.80 m. “green”	3.7	H180
11	Lengthways guard rail, 2.45 m. “green”	4.3	H245
12	Lengthways guard rail, 3.00 m. “green”	4.9	H300
13	Guard rail frame 1 m. / 0.75 m. “green”	2.2	H75
14	Guard rail frame 1 m. / 1.35 m. “green”	2.8	H135
15	Internal guard rail, for steps 50° “green”	2.7	HS245-1
16	External guard rail, for steps 50° “green”	5.7	HS245-2
17	Platform with hatch 1.80 m.	14.5	PD180
18	Platform without hatch 1.80 m.	14.4	P180
19	Platform with hatch 2.45 m.	19.4	PD245
20	Platform without hatch 2.45 m.	18.4	P245
21	Platform with hatch 3.00 m.	24.5	PD300
22	Platform without hatch 3.00 m.	23.0	P300
23	Front toeboard 0.75 m.	1.3	TB75
24	Front toeboard 1.35 m.	2.2	TB135
25	Side length toeboard 1.80 m.	4.0	TB180
26	Side length toeboard 2.45 m.	5.3	TB245
27	Side length toeboard 3.00 m.	7.1	TB300
28	Diagonal brace 2.13 m. “yellow”	1.8	DB180
29	Diagonal brace 2.75 m. “yellow”	2.2	DB245
30	Diagonal brace 3.21 m. “yellow”	2.5	DB300
31	Horizontal brace 1.81 m. “red”	1.7	HB180
32	Horizontal brace 2.52 m. “red”	2.0	HB245
33	Horizontal brace 3.01 m. “red”	2.5	HB300
34	Caster ø125 mm with brake and pivot	1.1	W125
35	Caster ø200 mm. with parking brake and shaft	6.1	W200
36	3-point outrigger	4.8	OUT
37	Stirrup steps	2.2	FS
38	Height-adjustable shaft with base plate	2.8	AF
39	Inclined ladders 50° 7 levels incl. 2 platforms 2.45m.	22.3	S245
40	Clamp coupling, dual	1.2	CL50 50
41	Wall spacer with 2 clamp couplings	3.2	WC50
42	Internal reinforcement (only for the first add-on frame)	0.2	RINF-50
43	Extension steps with hook, 2-part	7.0	DK2x8P3650
44	Ballast weight -15 kg.	15.0	W15

3.1 Parts list: Scaffold dimensions 0.75 x 1.80 / 2.45 / 3.00 m

Platform height, m.	Width 0.75 m.	2,35	3,37	4,21	5,33	6,17	7,01	8,13	9,25	10,09	Con-struc-tion
Description	Order no.	Table shows the standard structure for the platform height									Module
Add-on frame 1.00 m.	SF75100										1)
Add-on frame 2.00 m.	SF75200	2	4	4	6	6	8	8	10	10	2)
Guide rail frame 1.00 m.	H75	2	-	2	-	2	-	2	-	2	G)
Lengthways guard rail	X table	2	2	2	4	4	4	4	6	6	G)
Platform without hatch	X table	-	-	-	-	-	-	-	-	-	-
Platform with hatch	X table	1	1	1	2	2	2	2	3	3	-
Front toeboard	TB75	2	2	2	2	2	2	2	2	2	F)
Side length toeboard	X table	2	2	2	2	2	2	2	2	2	F)
Diagonal brace	X table	2	4	6	6	8	8	12	12	14	-
Horizontal brace	X table	2	2	2	2	2	2	2	2	2	-
3-point outrigger	OUT	-	4	4	4	4	4	4	4	4	-
Caster Ø 200 mm.	W200	4	4	4	4	4	4	4	4	4	-

X = scaffold dimensions 0.75 x 1.80 m.		X = scaffold dimensions 0.75 x 2.45 m.	X = scaffold dimensions 0.75 x 3.00 m.	
Description	Order no.	Order no.	Order no.	
Lengthways guard rail	H180	H245	H300	G)
Platform without hatch	P180	P245	P300	
Platform with hatch	PD180	PD245	PD300	
Side length toeboard	TB180	TB245	TB300	F)
Diagonal brace	DB180	DB245	DB300	1) 2)
Horizontal brace	HB180	TR245	TR300	

Using the tables:
These 2 tables show which standard components are included in each individual scaffold. Starting with the platform height in the upper table, locate the parts which combine to make the scaffold. There may be some deviations.

Modular construction:
Fig. 1 Module 1 metre height construction contains 2 frames, 2 diagonal braces.
Fig. 2 Module 2 metre height construction contains 2 frames, 2 diagonal braces.
Fig. F Module toeboard contains 2 front toeboards, 2 side length toeboards.
Fig. G Guard rail module contains 2 front toeboards, 2 side length toeboards.

Important!
Scaffolds with a scaffolding width of 0.75m use counterweights and wall anchors in accordance with the applicable regulations, see Table 3.5. Guards rails must be used where the platform height exceeds 1 m and toeboards must be used when the platform height exceeds 2 m. The maximum distance between 2 platforms is 4m. The first platform may be fitted a maximum of 4.4m above the ground. Only one platform may bear weight at any one time. 3-point outriggers must be used for platform heights above 2 metres.

3.2 Parts list: Scaffold dimensions 1.35 x 1.80 / 2.45 / 3.00 m.

Platform height, m.	**Width** 1,35 m.	2,25	3,37	4,21	5,33	6,17	7,01	8,13	9,25	10,09	**Construc-tion**

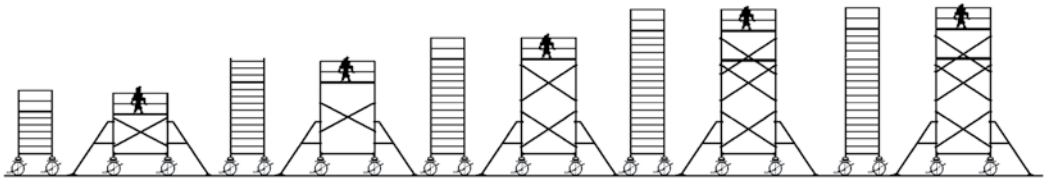
Description	Order no.	Table shows the standard structure for the platform height										Module
Add-on frame 1.00 m.	SF135100											1)
Add-on frame 2.00 m.	SF135200	2	4	4	6	6	8	8	10	10		2)
Guide rail frame 1.00 m.	H135	2	-	2	-	2	-	2	-	2		G)
Lengthways guard rail	X tabel	2	2	2	4	4	4	4	6	6		G)
Platform without hatch	X tabel	1	1	1	2	2	2	2	3	3		
Platform with hatch	X tabel	1	1	1	2	2	2	2	3	3		
Front toeboard	TB135	2	2	2	2	2	2	2	2	2		F)
Side length toeboard	X tabel	2	2	2	2	2	2	2	2	2		F)
Diagonal brace	X tabel	2	4	6	6	8	10	12	12	14		
Horizontal brace	X tabel	2	2	2	2	2	2	2	2	2		
3-point outrigger	OUT	-	4	4	4	4	4	4	4	4		
Caster Ø 200 mm.	W200	4	4	4	4	4	4	4	4	4		
Internal steps:												
Internal steps	S245	1	1	2	2	3	3	4	4	5		
External guard rail	HS245_2	1	1	2	2	3	3	4	4	5		
Internal guard rail	HS245_1	1	1	2	2	3	3	4	4	5		
X = scaffold 1.35 x 1.80 m.		X = scaffold 1.35 x 2.45 m.					X = scaffold 1.35 x 3.00 m.					
Artikel, betegnelse	Order no.	Order no.					Order no.					
Lengthways guard rail	H180	H245					H300					G)
Platform without hatch	P180	P245					P300					
Platform with hatch	PD180	PD245					PD300					
Side length toeboard	TB180	TB245					TB300					F)
Diagonal brace	DB180	DB245					DB300					1) 2)
Horizontal brace	HB180	HB245					HB300					

Modular construction:

1) Module 1 metre height construction contains: 2 frames, 2 diagonal braces.
2) Module 2 metre height construction contains: 2 frames, 2 diagonal braces.
F) Module toeboard contains: 2 front toeboards, 2 side length toeboards.
G) Guard rail module contains: 2 front toeboards, 2 side length toeboards.

Important! Scaffolds with a scaffolding width of 1.35 m use counterweights and wall anchors in accordance with the applicable regulations, see Table 3.6. Guards rails and toeboards must be used where the platform height exceeds 2 m. The distance between 2 platforms may not exceed 4 metres. The first platform must be erect no more than 4.4m above the ground. Only one platform may bear weight at any one time. 3-point outriggers must be used for scaffold towers above 2.35 metres. For folding scaffolds, a horizontal brace must be placed on the lowest level opposite the folding back. Always use a guard rail on either side of the steps. Always use 2 diagonal braces (DB245) for each 2 m section, fitted opposite each other like a cross, beginning on the 2nd step.

3.3 Model type overview Max platform height for mobile scaffolds with and without outriggers and with dimensions of 0.75 x 1.80 m. / 2.45 m. / 3.00 m.



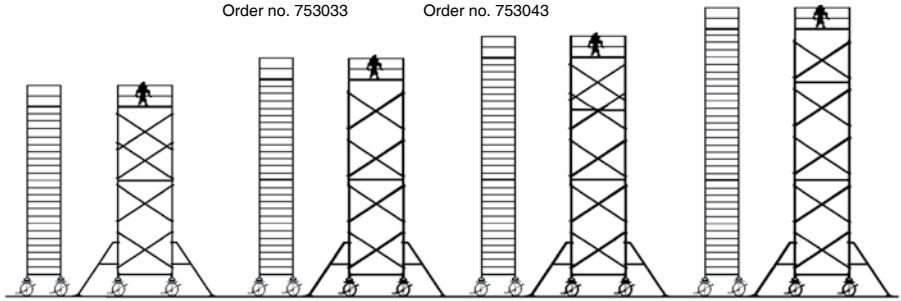
Height: 2,25 m.
Order no. 752423
Order no. 753023

Height: 3,37 m.
Order no. 751833
Order no. 752433
Order no. 753033

Height: 4,21 m.
Order no. 751843
Order no. 752443
Order no. 753043

Height: 5,33 m.
Order no. 752453
Order no. 753053

Height: 6,17 m.
Order no. 752463
Order no. 756063



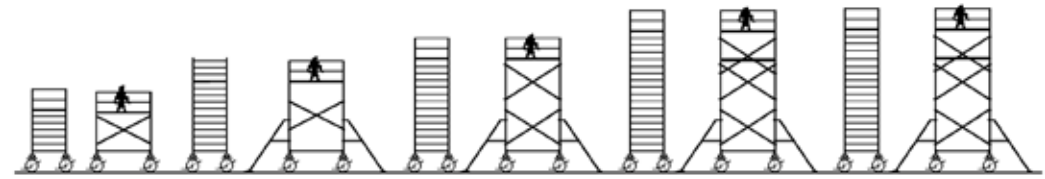
Height: 7,01 m.
Order no. 752473
Order no. 753073

Height: 8,13 m.
Order no. 752483
Order no. 753083

Height: 9,25 m.
Order no. 752493
Order no. 753093

Height: 10,09 m.
Order no. 752403
Order no. 753003

3.4 Model type overview Max platform height for folding and mobile scaffolds with and without stabilisers and with dimensions 1.35 x 1.80 m. / 2.45 m. / 3.00 m.



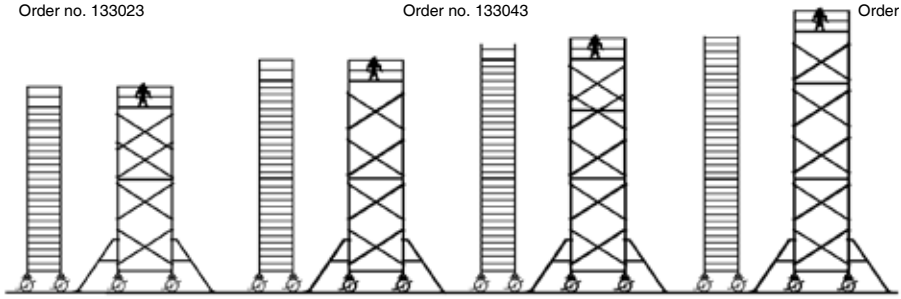
Height: 2,25 m.
Order no. 132423
Order no. T132423
Order no. 133023

Height: 3,37 m.
Order no. 132433
Order no. 133033

Height: 4,21 m.
Order no. 132443
Order no. T132443
Order no. 133043

Height: 5,33 m.
Order no. 132453
Order no. 133053

Height: 6,17 m.
Order no. 132463
Order no. T132463
Order no. 133063



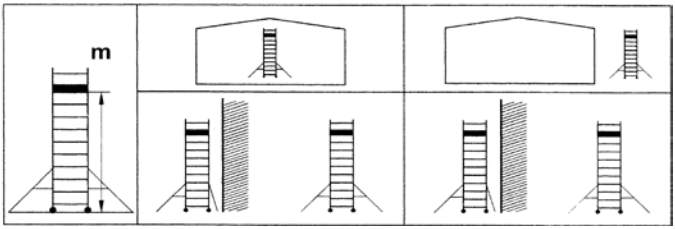
Height: 7,01 m.
Order no. 132473
Order no. 133073

Height: 8,13 m.
Order no. 132483
Order no. T132483
Order no. 133083

Height: 9,25 m.
Order no. 132493
Order no. 133093

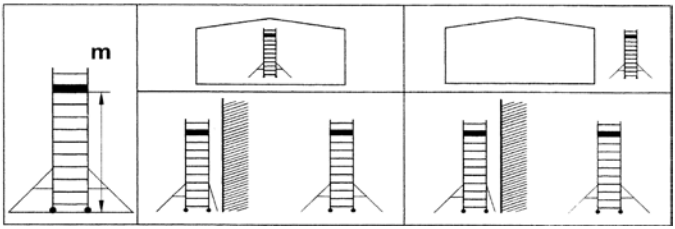
Height: 10,09 m.
Order no. 132403
Order no. 133003

3.5 Overview table for counterweights - scaffold width: 0.75 m.



Platform dimensions Platform height	Installation			
	In enclosed areas max. 8 – 11 m. Freestanding	lateral	Outdoors max. 5.5 m. Freestanding	lateral
0,75 x 1,80 m.				
2,25 - 2,61 m.	0 kg.	0 kg.	0 kg.	0 kg.
3,37 - 3,59 m.	0 kg.	0 kg.	0 kg.	0 kg.
5,33 - 5,55 m.	0 kg.	0 kg.	8x15 kg.	4x15 kg.
6,17 m.	4x15 kg.	0 kg.	Not permitted	Not permitted
7,01 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
8,13 m.	8x15 kg.	4x15 kg.	Not permitted	Not permitted
9,25 m.	16x15 kg.	8x15 kg.	Not permitted	Not permitted
10,09 m.	20x15 kg.	16x15 kg.	Not permitted	Not permitted
0,75 x 2,45 m.				
2,25 - 2,61 m.	0 kg.	0 kg.	0 kg.	0 kg.
3,37 - 3,59 m.	0 kg.	0 kg.	0 kg.	0 kg.
5,33 - 5,55 m.	0 kg.	0 kg.	12x15 kg.	8x15 kg.
6,17 m.	4x15 kg.	0 kg.	Not permitted	Not permitted
7,01 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
8,13 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
9,25 m.	12x15 kg.	4x15 kg.	Not permitted	Not permitted
10,09 m.	16x15 kg.	8x15 kg.	Not permitted	Not permitted
0,75 x 3,00 m.				
2,25 - 2,61m.	0 kg.	0 kg.	0 kg.	0 kg.
3,37 - 3,59 m.	0 kg.	0 kg.	4x15 kg.	4x15 kg.
5,33 - 5,55 m.	0 kg.	0 kg.	16x15 kg.	16x15 kg.
6,17 m.	0 kg.	0 kg.	Not permitted	Not permitted
7,01 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
8,13 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
9,25 m.	12x15 kg.	4x15 kg.	Not permitted	Not permitted
10,09 m.	16x15 kg.	8x15 kg.	Not permitted	Not permitted
Counterweights per piece 15 kg. Order no. W15. Wall anchors cannot replace outriggers.				

3.7 Parts list: Mobile scaffold with inclined ladders 1.35 x 12.45 m.



Platform dimensions Platform height	Installation			
	In enclosed areas max. 8 – 11 m.		Outdoors max. 5.5 m.	
	Freestanding	lateral	Freestanding	lateral
1,35 x 1,80 m.				
2,25 - 2,61 m.	0 kg.	0 kg.	0 kg.	0 kg.
3,37 - 3,59 m.	4x15 kg.	0 kg.	16x15 kg.	0 kg.
5,33 - 5,55 m.	8x15 kg.	0 kg.	16x15 kg.	0 kg.
6,17 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
7,01 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
8,13 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
9,25 m.	12x15 kg.	0 kg.	Not permitted	Not permitted
10,09 m.	16x15 kg.	0 kg.	Not permitted	Not permitted
1,35 x 2,45 m.				
2,25 - 2,61 m.	0 kg.	0 kg.	0 kg.	0 kg.
3,37 - 3,59 m.	0 kg.	0 kg.	12x15 kg.	0 kg.
5,33 - 5,55 m.	4x15 kg.	0 kg.	16x15 kg.	0 kg.
6,17 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
7,01 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
8,13 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
9,25 m.	12x15 kg.	0 kg.	Not permitted	Not permitted
10,09 m.	16x15 kg.	0 kg.	Not permitted	Not permitted
1,35 x 3,00 m.				
2,25 - 2,61 m.	0 kg.	0 kg.	0 kg.	0 kg
3,37 - 3,59 m.	0 kg.	0 kg.	12x15 kg.	0 kg
5,33 - 5,55 m.	4x15 kg.	0 kg.	16x15 kg.	0 kg
6,17 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
7,01 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
8,13 m.	8x15 kg.	0 kg.	Not permitted	Not permitted
9,25 m.	12x15 kg.	0 kg.	Not permitted	Not permitted
10,09 m.	12x15 kg.	0 kg.	Not permitted	Not permitted
Counterweights per piece 15 kg. Order no. W15. Wall anchors cannot replace outriggers.				

3.7 Parts list: Mobile scaffold with inclined ladders 1.35 x 12.45 m.

Fig. no.	Platform height, m.	2.25	4.21	6.17	8.13	10.09
02	SF135100 Add-on frame 1.0 m.					
04	SF135200 Add-on frame 2.0 m.	1	3	5	7	9
05	SFH135200 Access frame 2.0 m.	1	1	1	1	1
14	H135 Guard rail frame	2	2	2	2	2
11	H245 Lengthways guard rail	2	3	4	5	6
19	PD245 Platform with hatch	1	1	1	1	1
20	P245 Platform without hatch	1	1	1	1	1
24	TB135 Front toeboard	2	2	2	2	2
26	TB245 Side length toeboard	2	2	2	2	2
39	S245 Steps with platform	1	2	3	4	5
16	HS245-2 External guard rail steps	1	2	3	4	5
15	HS245-1 Internal guard rail stairs	1	2	3	4	5
29	DB245 Diagonal brace	2	4	6	8	10
32	HB245 Horizontal brace	2	2	2	2	2
36	OUT Outrigger		4	4	4	4
35	W200 Caster Ø 200 mm.	4	4	4	4	4

Using the tables:
These tables show which standard components are included in each individual mobile scaffold with internal steps. Starting with the platform height in the upper table, locate the parts which combine to make the scaffold.

Important!
Scaffolds with a scaffold width of 1.35 m use counterweights and wall anchors in accordance with the applicable regulations, see Table 3.6, page 13. Guard rails and toeboards must be installed at platform heights above 2.0 m. Maximum distance between 2 platforms is 4 m. The first platform may be fitted 4.4 m above the ground. Where there are internal steps, only the uppermost platform may be used as a work platform. 3-point outriggers must be used for scaffold towers above 4 metres.

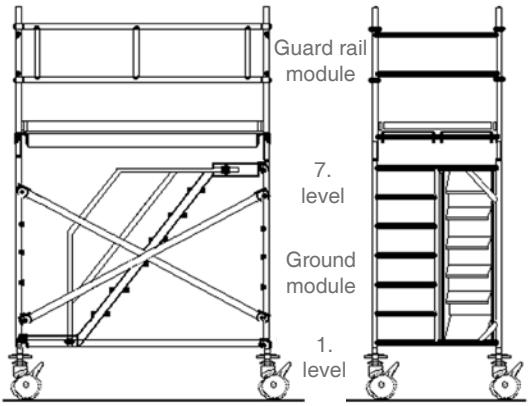
Internal steps: Always secure the steps with the corresponding safety catch. Diagonal braces are attached on either side, beginning on the 2nd level. Always use a guard rail on both the interior and exterior of the steps. Always use 2 diagonal braces (DB245) for each 2 m section, fitted opposite each other like a cross.

3.8 Model type overview

Max platform height 2.25 m. Mobile scaffold with internal steps, 1.35 x 2.45 m.

Fig. no.	Platform height max. 2,25 m.		
04	SF135200	Add-on frame 2 m.	1
05	SFH135200	Access frame	1
14	H135	Guard rail frame	2
11	H245	Lengthways guard rail	2
19	PD245	Platform with hatch	1
20	P245	Platform without hatch	1
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
39	S245	Inclined ladders	1
16	HS245-2	External guard rail	1
15	HS245-1	Internal guard rail	1
29	DB245	Diagonal brace	2
32	HB245	Horizontal brace	2
35	W200	Caster Ø 200 mm.	4

Order no. T 13 24 23

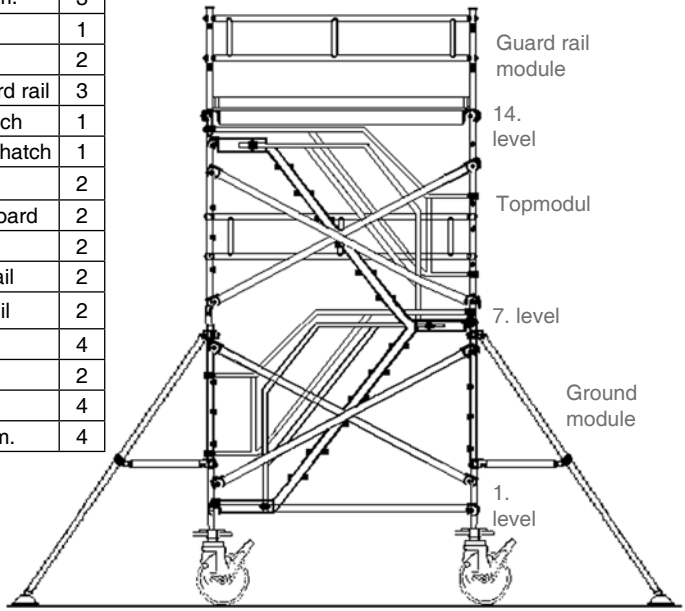


Height: 2,25 m. Order no. T 13 24 23

Max platform height 4,21 m. Mobile scaffold with internal steps, 1,35 x 2,45 m.

Fig. no.	Platform height max. 4,21 m.		
04	SF135200	Add-on frame 2 m.	3
05	SFH135200	Access frame	1
14	H135	Guard rail frame	2
11	H245	Lengthways guard rail	3
19	PD245	Platform with hatch	1
20	P245	Platform without hatch	1
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
39	S245	Inclined ladders	2
16	HS245-2	External guard rail	2
15	HS245-1	Internal guard rail	2
29	DB245	Diagonal brace	4
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

Order no. T 13 24 43

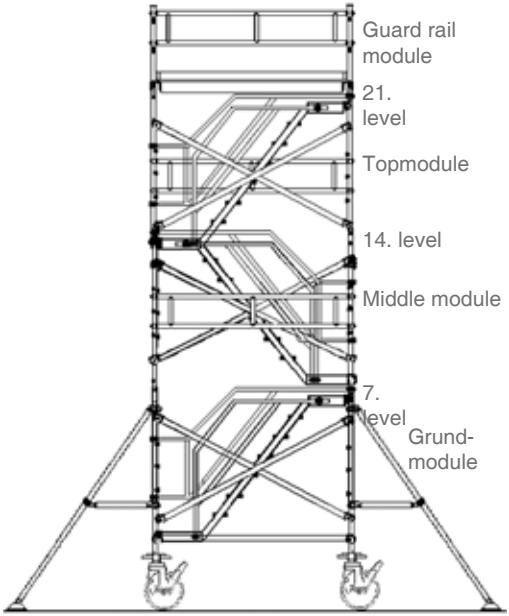


Height: 4,21 m. Order no. T 13 24 43

3.9 Model type overview - Order no. T 13 24 63

Max platform height 6,17 m. Mobile scaffold with internal steps and outrigger.
Dim. 1,35 x 2,45 m.

Fig. no.	Platform height max. 6,17 m.		
04	SF135200	Add-on frame 2 m.	5
05	SFH135200	Access frame	1
14	H135	Guard rail frame	2
11	H245	Lengthways guard rail	4
19	PD245	Platform with hatch	1
20	P245	Platform without hatch	1
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
39	S245	Inclined ladders	3
16	HS245-2	External guard rail	3
15	HS245-1	Internal guard rail	3
29	DB245	Diagonal brace	6
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

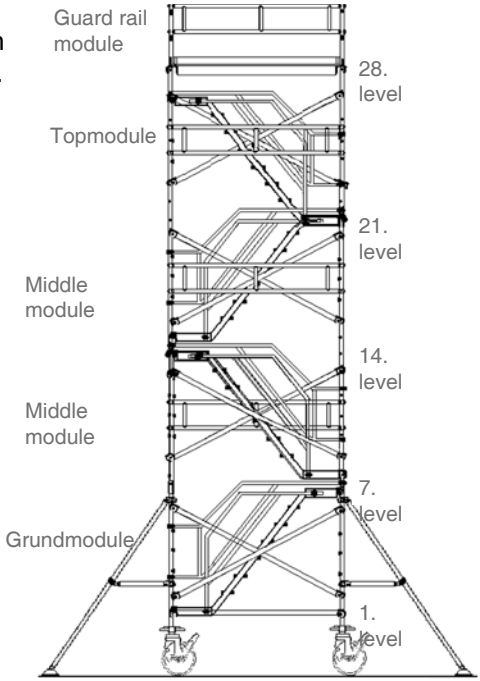


Height: 6,17 m. Order no. T 13 24

Order no. T 13 24 83

Max platform height 8,13 m. Mobile scaffold with internal steps and outrigger. Dim.1,35 x 2,45 m.

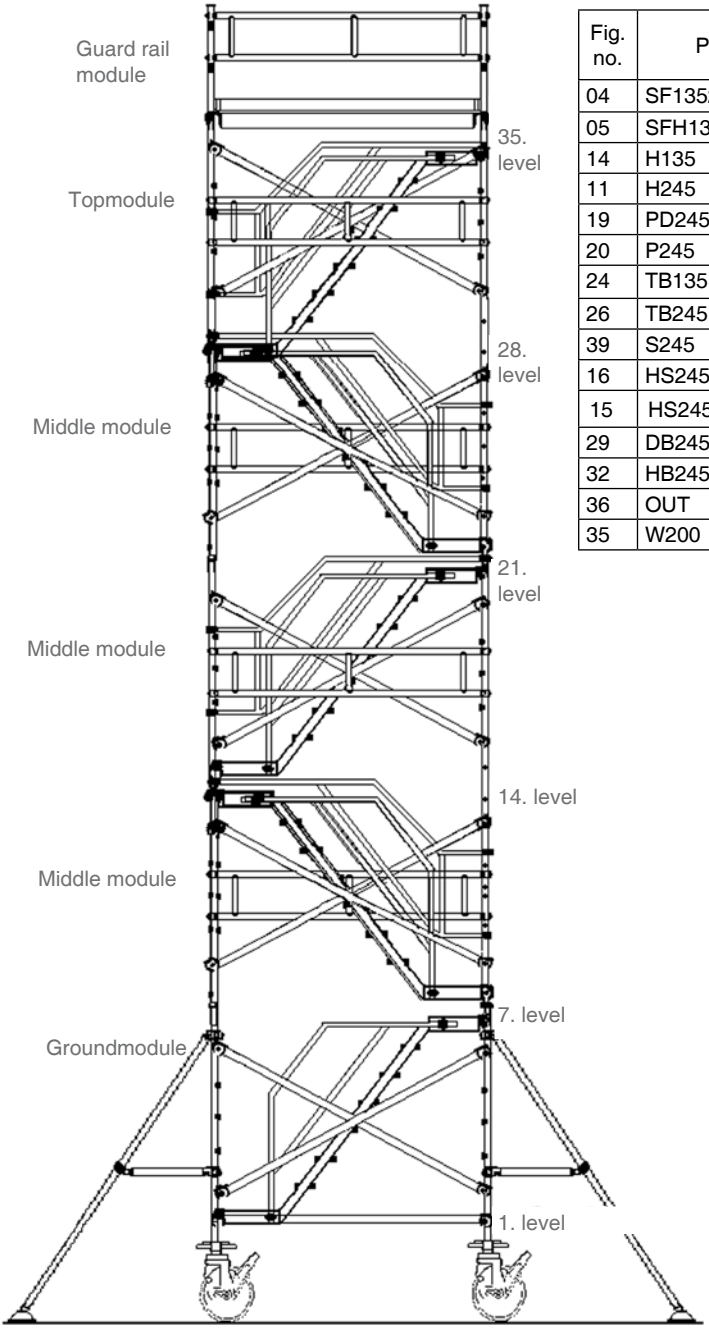
Fig. no.	Platform height max. 8,13 m.		
04	SF135200	Add-on frame 2 m.	7
05	SFH135200	Access frame	1
14	H135	Guard rail frame	2
11	H245	Lengthways guard rail	5
19	PD245	Platform with hatch	1
20	P245	Platform without hatch	1
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
39	S245	Inclined ladders	4
16	HS245-2	External guard rail	4
15	HS245-1	Internal guard rail	4
29	DB245	Diagonal brace	8
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4



Height: 8,13 m. Order no. T 13 24 83

3.10 Model type overview - Order no. T 13 24 03

Max platform height 10,09 m. Mobile scaffold with internal steps and outrigger.
Dim. 1,35 x 2,45 m.



Height: 10,09 m. Order no. T 13 24 03

Fig. no.	Platform height max. 10,09 m.		
04	SF135200	Add-on frame 2 m.	9
05	SFH135200	Access frame	1
14	H135	Guard rail frame	2
11	H245	Lengthways guard rail	6
19	PD245	Platform with hatch	1
20	P245	Platform without hatch	1
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
39	S245	Inclined ladders	5
16	HS245-2	External guard rail	5
15	HS245-1	Internal guard rail	5
29	DB245	Diagonal brace	10
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

3.11 Mobile scaffold – max platform height: 2.25 – 3.37 m.

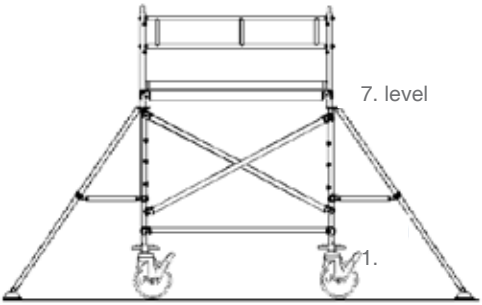
Order no. 75 24 23 / 13 24 33. Dim. 0,75 x 2,45 m.
Order no. 13 24 23 / 13 24 33. Dim. 1,35 x 2,45 m.

Fig. no.	Order no. 75 24 23 Platform height max. 2,25 m.		
03	SF75200	Add-on frame 2 m.	2
13	H75	Guard rail frame	2
11	H245	Lengthways guard rail	2
19	PD245	Platform with hatch	1
23	TB75	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	2
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

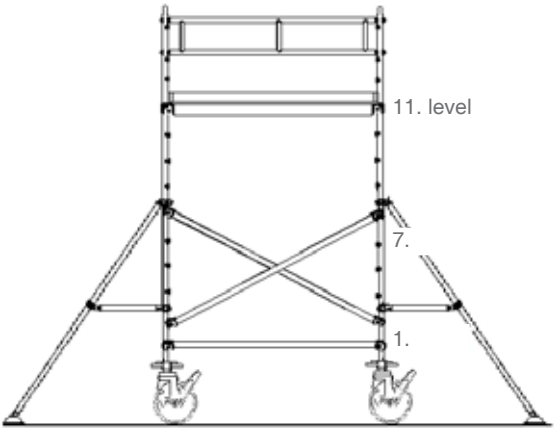
Fig. no.	Order no. 75 24 33 Platform height max. 3,37 m.		
03	SF75200	Add-on frame 2 m.	4
11	H245	Lengthways guard rail	2
19	PD245	Platform with hatch	1
23	TB75	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonalsstiver	4
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

Fig. no.	Order no. 13 24 23 Platform height max. 2,25 m.		
04	SF135200	Add-on frame 2 m.	2
14	H135	Guard rail frame	2
11	H245	Lengthways guard rail	2
19	PD245	Platform with hatch	1
20	P245	Platform without hatch	1
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	2
32	HB245	Horizontal brace	2
35	W200	Caster Ø 200 mm.	4

Fig. no.	Order no.13 24 33 Platform height max. 3,37 m.		
04	SF13200	Add-on frame 2 m.	4
11	H245	Lengthways guard rail	2
19	PD245	Platform with hatch	1
20	P245	Platform without hatch	1
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	4
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4



Platforms height: 2,25 m.



Platforms height: 3,37 m.

3.11 Mobile scaffold – max platform height: 4.21-5.33 m.

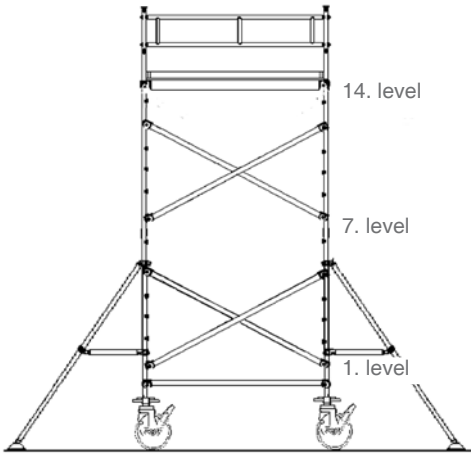
Order no. 75 24 43 / 75 24 53. Dim. 0,75 x 2,45 m.
Order no. 13 24 43 / 13 24 53. Dim. 1,35 x 2,45 m.

Fig. no.	Order no. 75 24 43 Platform height max. 4,21 m.		
03	SF75200	Add-on frame 2 m.	4
13	H75	Guard rail frame	2
11	H245	Lengthways guard rail	2
19	PD245	Platform with hatch	1
23	TB75	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	6
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

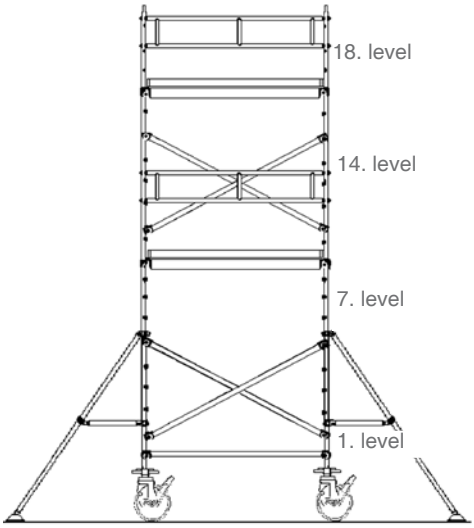
Fig. no.	Order no. 75 24 53 Platform height max. 5,33 m.		
03	SF75200	Add-on frame 2 m.	6
11	H245	Lengthways guard rail	4
19	PD245	Platform with hatch	2
23	TB75	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	6
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

Fig. no.	Order no. 13 24 43 Platform height max. 4,21 m.		
04	SF135200	Add-on frame 2 m.	4
14	H135	Guard rail frame	2
11	H245	Lengthways guard rail	2
19	PD245	Platform with hatch	1
20	P245	Platform without hatch	1
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	6
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

Fig. no.	Order no. 13 24 53 Platform height max. 5,33 m.		
04	SF135200	Add-on frame 2 m.	6
11	H245	Lengthways guard rail	4
19	PD245	Platform with hatch	2
20	P245	Platform without hatch	2
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	6
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4



Platforms height: 4,21 m.



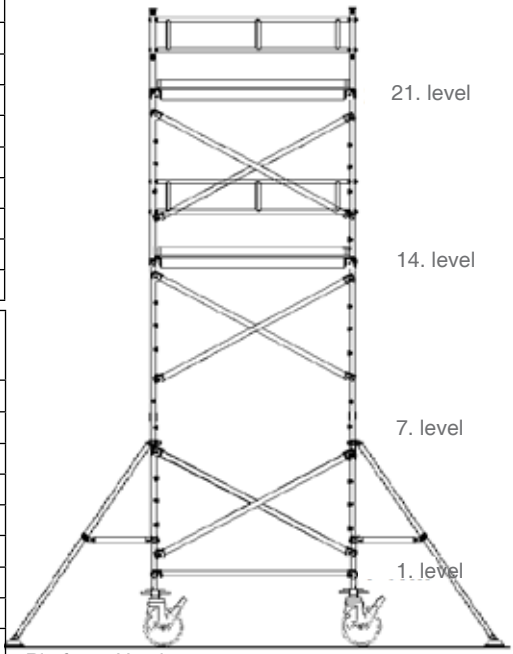
Platforms height: 5,33 m.

3.11 Mobile scaffold – max platform height: 6.17m.

Order no. 75 24 63. Dim. 0,75 x 2,45 m.
Order no. 13 24 63. Dim. 1,35 x 2,45 m.

Fig. no.	Order no. 75 24 63 Platform height max. 6,17 m.		
03	SF75200	Add-on frame 2 m.	6
13	H75	Guard rail frame	2
11	H245	Lengthways guard rail	4
19	PD245	Platform with hatch	2
23	TB75	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	8
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

Fig. no.	Order no. 13 24 63 Platform height max. 6,17 m.		
04	SF135200	Add-on frame 2 m.	6
14	H135	Guard rail frame	2
11	H245	Lengthways guard rail	4
19	PD245	Platform with hatch	2
20	P245	Platform without hatch	2
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	8
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4



PlatformsHeight: 6,17 m.

3.11 Mobile scaffold – max platform height: 8.13-10.09 m.

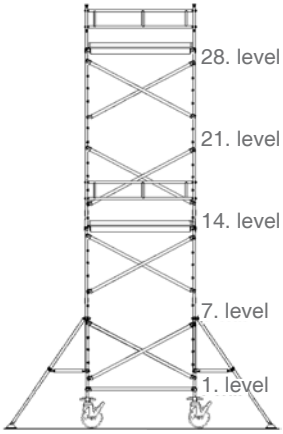
Order no. 75 24 83 / 75 24 03. Dim. 0,75 x 2,45 m.
Order no. 13 24 83 / 13 24 03. Dim. 1,35 x 2,45 m.

Fig. no.	Order no. 75 24 83 Platform height max. 8,13 m.		
03	SF75200	Add-on frame 2 m.	8
13	H75	Guard rail frame	2
11	H245	Lengthways guard rail	4
19	PD245	Platform with hatch	2
23	TB75	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	12
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

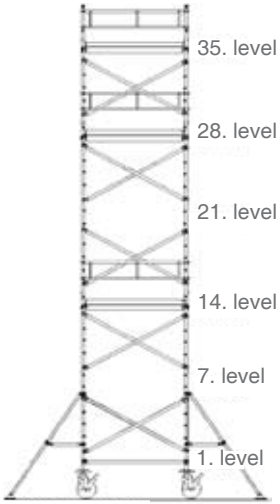
Fig. no.	Order no. 75 24 03 Platform height max. 10,09 m.		
03	SF75200	Add-on frame 2 m.	10
13	H75	Guard rail frame	2
11	H245	Lengthways guard rail	6
19	PD245	Platform with hatch	3
23	TB75	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	14
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

Fig. no.	Order no.13 24 83 Platform height max. 8,13 m.		
04	SF135200	Add-on frame 2 m.	8
14	H135	Guard rail frame	2
11	H245	Lengthways guard rail	4
19	PD245	Platform with hatch	2
20	P245	Platform without hatch	2
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	12
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4

Fig. no.	Order no.13 24 03 Platform height max. 10,09 m.		
04	SF135200	Add-on frame 2 m.	10
14	H135	Guard rail frame	2
11	H245	Lengthways guard rail	6
19	PD245	Platform with hatch	3
20	P245	Platform without hatch	3
24	TB135	Front toeboard	2
26	TB245	Side length toeboard	2
29	DB245	Diagonal brace	14
32	HB245	Horizontal brace	2
36	OUT	Outrigger	4
35	W200	Caster Ø 200 mm.	4



Platforms height: 8,13 m.



Platforms height: 10,09 m.

3.12 Folding scaffold – max platform height: 1.37 m.

Order no. 75 18 15. Dimensions 0.75 x 1.80 m. Height: 1.58 m.

Technical details: Scaffolding class 3
Permissible load: 2.0 kN/m² total

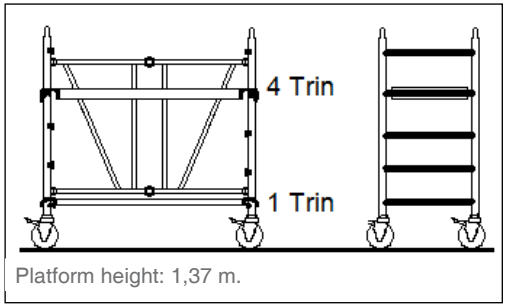
Fig. no.	Order no. 75 18 15 Platform height max. 1,37 m.		
02	FF75160	Folding frame unit	1
03	PD180	Platform with hatch	1
04	W125	Caster Ø 125	4

Order no. 75 18 15

Scaffold dimensions: 0.75 x 1.80 m. Total height: 1.58m. Platform height, max: 1.37 m. Weight 31 kg. Maximum permissible platform height without guard rails < 1.00m. Max. permissible load on one platform only 200 kg. The scaffolding is not covered by SP 379802.

Fig. no. 03 / 04
Order no. 751815

Fig.no.



Platform height: 1,37 m.

3.12 Folding scaffold – max platform height: 1.65 m.

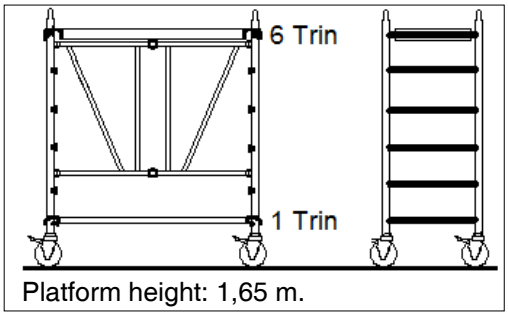
Order no. 751818. Dim. 0,75 x 1,80 m. Height: 1,86 m.

Technical details: Scaffolding class 3
Permissible load: 2.0 kN/m² total

Fig. no.	Order no. 75 18 18 Platform height max. 1,65 m.		
02	FF75180	Folding frame unit	1
03	PD180	Platform with hatch	1
04	W125	Caster Ø 125	4

Order no. 75 18 18

Stillads dimension: 0,75 x 1,80 m. Total height: 1,86 m. Platform height max.: 1,65 m. Weight 37 kg. Legally permissible platform height < 1.00m without guard rail. Max. permissible load on one platform only 200 kg. The scaffolding is not covered by SP379802.



Platform height: 1,65 m.

No. 751818. Fig. no. 02, 03,

3.12 Folding scaffold. Max platform height 1,65 m.

Order no. 751820. Dim. 0,75 x 1,80 m. Heigth 2,86 m.

Technical details: Scaffolding class 3
Permissible load: 2.0 kN/m² total

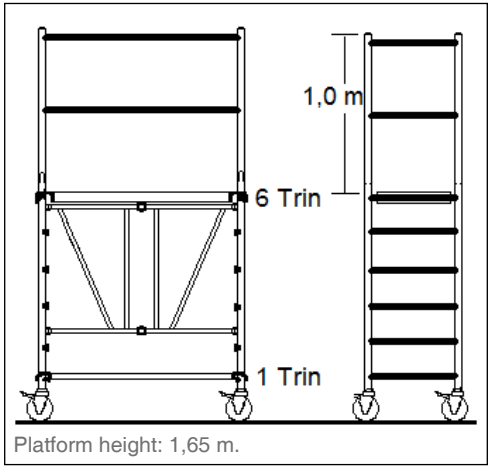
Order no. 75 18 20

Scaffold dimensions: 0.75 x 1.80 m. Total height 2.86 m. Platform height, max: 1.65 m. Weight 50 kg. Legally permissible platform height < 1.00 m without guard rail. Max. permissible load on one platform only 200 kg The scaffolding is not covered by SP 379802.

Fig. no.	Order no. 75 18 20 Platform height max. 1,65 m.		
02	FF75180	Folding frame unit	1
03	PD180	Platform with hatch	1
04	W125	Caster Ø 125	4
10	H180	Lengthways guard rail	2
13	H75	Guide rail frame 1 m	2

Fig. no. 02

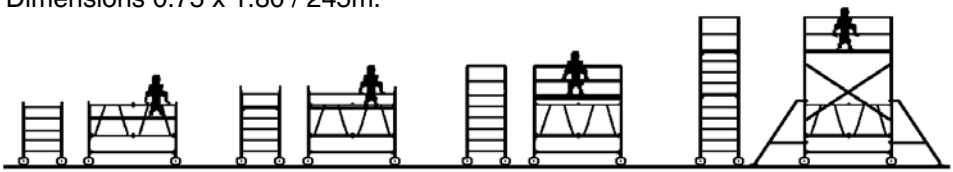
Fig. 02, 03, 04, 10, 13. Order no. 75 18 20



Platform height: 1,65 m.

3.13 Model – type overview

Max. Platform height for folding scaffolds with and without outriggers.
Dimensions 0.75 x 1.80 / 245m.

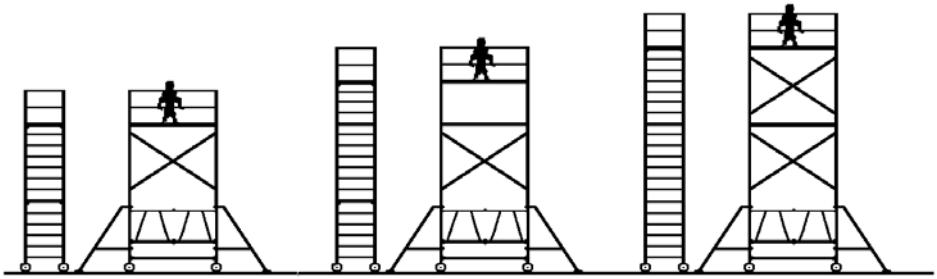


Height: 1,37 m.
Order no. 751815

Height: 1,65 m.
Order no. 751818
Order no. 752418

Height: 1,65 m.
Order no. 751820
Order no. 752420

Height: 2,65 m.
Order no. 751828
Order no. 752428



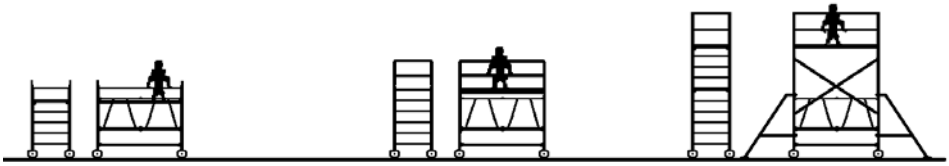
Height: 3,65 m.
Order no. 751838
Order no. 752438

Height: 4,65 m.
Order no. 751848
Order no. 752448

Height: 5,65 m.
Order no. 751858
Order no. 752458

3.14 Model – type overview

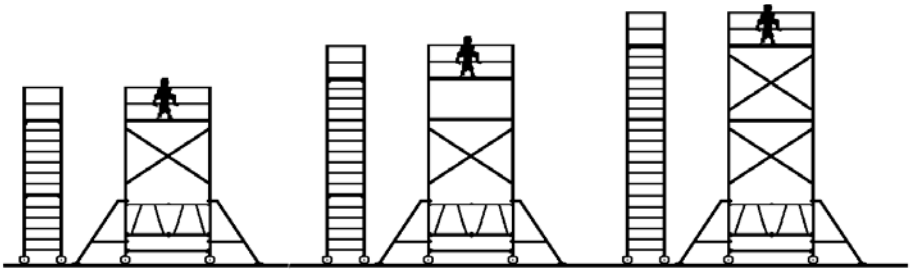
Max. Platform height for folding scaffolds with and without outriggers. Dimensions 1.35 x 1.80 / 245m.



Height: 1,65 m.
Order no. 131818
Order no. 132418

Height: 1,65 m.
Order no. 131820
Order no. 132420

Height: 2,65 m.
Order no. 131828
Order no. 132428



Height: 3,65 m.
Order no. 131838
Order no. 132438

Height: 4,65 m.
Order no. 131848
Order no. 132448

Height: 5,65 m.
Order no. 131858
Order no. 132458

4.0 Information and instructions on assembly

1. The scaffold can be set up either free standing or against the side of something.
2. Lay out the individual parts for the current set-up, don't forget the counterweights, wall anchors and all necessary tools.
3. Always inspect the scaffold before assembly for damage from transport, wear or defects. Only use scaffold parts that are in proper working order.
4. When setting up on a soft base (soft earth/grass), boards must be laid around the scaffold at distances of 2 m to ensure stability.
5. To set up the different variations, an intermediate platform with a hatch and the corresponding guard rails must be fitted every 4 metres. With internal steps, only the uppermost platform may be used as a working platform.
6. Guard rails, horizontal and diagonal braces must be secured and fastened using quick-release locks which extend around the piping. Always check that the lock mechanism is working and gripping tightly. Diagonal braces are fitted above a horizontal brace and guardrails are fitted from inside towards the outside. To dismantle braces and guard rails, press on the control of the lock mechanism and remove the component.
7. Assembling and dismantling a scaffold requires at least 2 persons.

Fig. 1 Folding and mobile scaffolds may only be erected vertically, on an even and stable supporting surface.
Fig. 2 Folding and mobile scaffolds must never be used as a means of access to other structures.
Fig. 3 The scaffold must only be ascended and descended from within.
Fig. 4 Never move the scaffold while persons or materials are on the platform.
Fig. 5 Never use hoisting equipment on scaffolds.
Fig. 6 Inspect the scaffold for damage and defective parts, never use damaged and/or defective parts.
Fig. 7 At wind speeds above wind force 6, folding and mobile scaffolds must be brought into shelter or secured against overturning by anchors.
Fig. 8 When in use, all guide wheels must be locked in position with the "stop" parking brake.

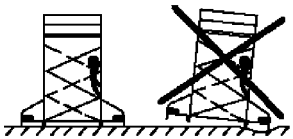


Fig. 1

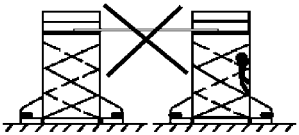


Fig. 2

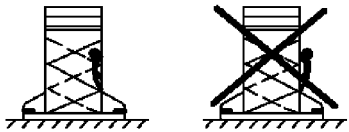


Fig. 3

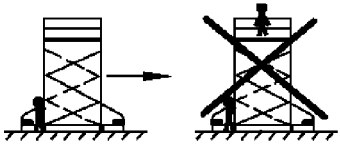


Fig. 4

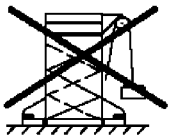


Fig. 5

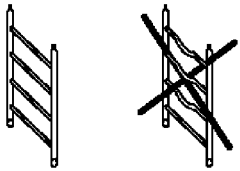


Fig. 6

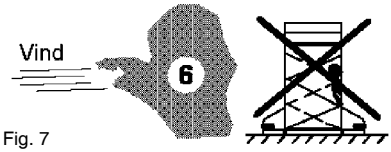


Fig. 7

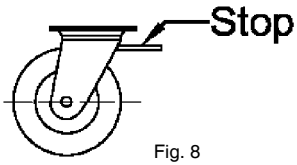


Fig. 8

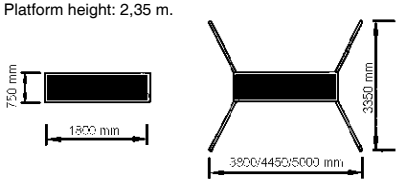
4.1 Information on the Beaufort wind scale

Beaufort no. / description	Wind km/h	Effect
0 / Calm	0 - 1	Smoke rises vertically.
1 / Light air	1 - 5	Slight movement of smoke.
2 / Light breeze	6 - 11	Movement in small leaves.
3 / Gentle breeze	12 - 19	Leaves move and light flags extend.
4 / Moderate breeze	20 - 28	Dust and loose paper lifted. Branches move.
5 / Fresh breeze	29 - 38	Small trees sway.
6 / Strong breeze	39 - 49	Movement of large branches and whistling in overhead wires. Umbrella use becomes difficult.
7 / High wind	50 - 61	Large trees sway. Difficult to walk against the wind.
8 / Gale	62 - 74	Twigs break off from trees. Difficulty keeping cars on the road.
9 / Severe gale	75 - 88	Large branches break off from trees. Roof tiles are ripped off.
10 / Storm	89 - 102	Trees are uprooted. Severe damage to buildings.
11 / Violent storm	103 - 117	Severe damage to buildings and power lines.
12 / Hurricane	118	Widespread damage to structures.

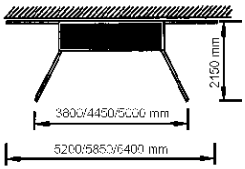
4.2 Basic set-up

Extension for folding and mobile scaffolds with outriggers,
Platform dimensions 0.75 x 1.80 / 2.45 / 3.00 m.

Platform height: 2,35 m.



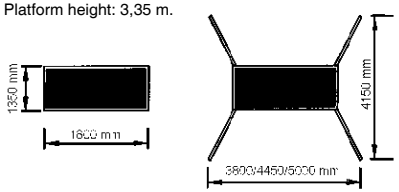
Assembly: Free-standing



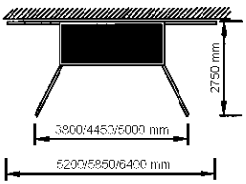
Assembly: side set-up

Extension for folding and mobile scaffolds with outriggers,
Platform dimensions 1.35 x 1.80 / 2.45 / 3.00 m.

Platform height: 3,35 m.



Assembly: Free-standing



Assembly: side set-up

Important!
The base for the scaffold must be able to bear the loads encountered. Avoid slippage and uneven loading between the scaffold and base.
A scaffold must be stabilised through a suitable combination of anchorage, supports and stabilising weight.

WARNING! Check whether horizontal loads might be created.

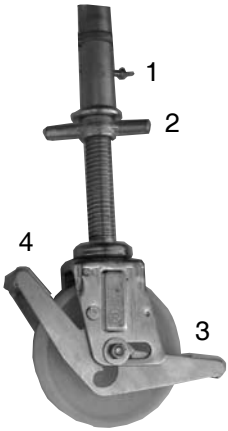
4.3 Assembly of the mobile scaffold

Important! Always carefully read the entire assembly instructions before beginning to assemble the scaffold. Unpack all individual parts and check whether all necessary parts (as set out in the parts list for your model) are present. Assembly and dismantling must be done by 2 properly qualified persons. The upper platform may only be accessed from inside – the use of (external) ladders is forbidden. The following assembly sequence must be followed at all times.

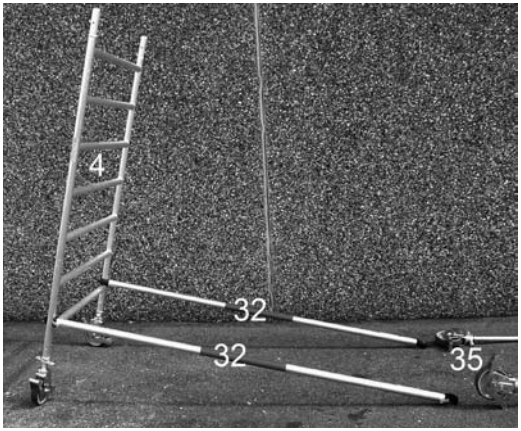
1. The four wheel shafts must be fitted with tubular bushings fig. No. 01 and attached to the front frame and secured with butterfly screws M10 fig. no. 02/1 Insert wheels with shafts into the tubular bushing and secure with butterfly screws fig. no. 02/1. Height adjustment fig. no. 02/2, brake activated fig. no. 02/3, Release brake by pressing on the indentation fig. no. 02/4.
2. Attach the two horizontal braces (red) fig. no. 03/32 to the front frame fig. no. 03/4 as shown on the horizontal frame tube and thereafter on the opposite frame tube.
3. Now fit the diagonal braces (yellow) fig. No. 04/29 to the 2nd and 6th level on the front frame.
4. Place the scaffold at the location it is to be used and bring it into an upright position by turning the wheel shafts (as shown in picture 05) horizontally and vertically. This step requires great precision to avoid accidents, a spirit level must be used for this step! After completing this step, turn the scaffold wheels so that they are at a 45° angle facing outwards and secure these against rolling away by engaging the brake.
5. For scaffold widths of 0.75 metres and platform heights above 2 metres, as well as scaffold widths of 1.35 metres and platform heights of more than 4 metres, the use of 3-point outriggers is absolutely necessary! - Fig. no. 06/36, (footbar, see section 3.0 Individual parts of the scaffolding fig. no. 37, non-standard).
6. The four 3-point outriggers fig. no. 06/36 are fitted at the top of the frame, between levels 6 and 7 and turned at an angle of 45° and positioned with the horizontal brace fig. no. 06/1 so that the foot of the 3-point outrigger is secured on the base.
7. Additional height is facilitated by fitting the front frame fig. no. 07/4. The security clips fig. no. 09 turn until they drop into the opening and secure the frame. Then fit both diagonal frames crosswise on the 2nd and 6th levels (yellow) fig. no. 07/29, always check that the lock catch is working and secured, see fig. no. 08.
8. Always assemble the platform first, the first at a max height of 4.40 m and then 2.50 m for each additional platform (see section 2.0, point 14). Hoist the platform using 2 persons, fig. No. 10, this shows the grip with arm and hand used as in fig. no. 10/1. Hoist the platform past the frame level and then back to the correct position. Turn the locking device at either end of the platform as shown in fig. No. 11/2.
9. A 1.00 m frame fig. no. 12/2 is fitted out as shown here and 2 diagonal braces are used and fitted (yellow) fig. no. 12/29.
10. Guard rail modules fig. No. 13 are fitted by first attaching a front frame fig. no. 13/1 with security clips, fig. no. 09, then the side length guard rails fig. no. 13/2 with quick-release coupling opening are fitted from the inside facing outwards – check that the lock catch moves out and locks, see fig. no. 08/1.
11. First assemble the side length toeboards fig. no. 13/3, then the front toeboards fig. no. 13/4, this allows the toeboards to be put in place without the use of tools.
12. Ballast weights are hung over the horizontal bracket of the 3-point outrigger, see fig. no. 11 and 12 in section 5.0. Dimensions as per the specifications in the “Overview table for ballast weights” in section 3.5 and 3.6.

4.3 Assembly of the mobile scaffold

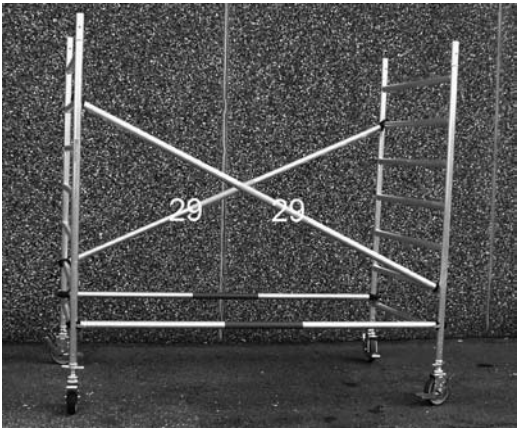
Figur no.



Figur no.

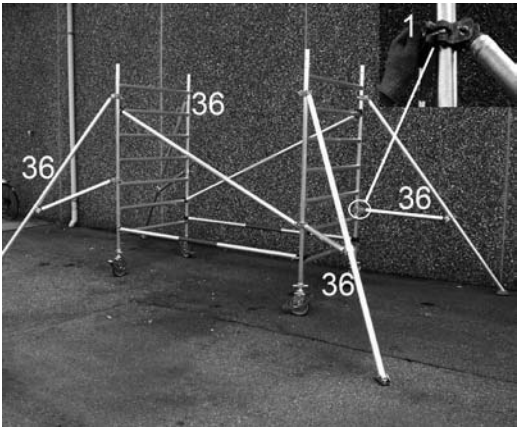


Figur no. 03



Figur no. 04

Figur no. 05



Figur no. 06

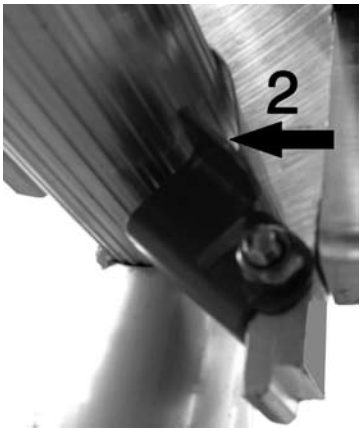
4.3 Assembly of the mobile scaffold

Figur no. 07

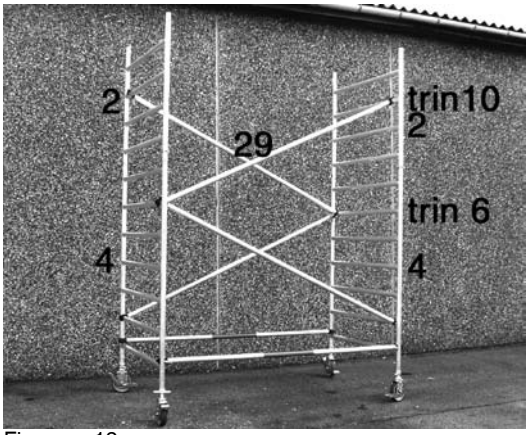
Figur no. 08

Figur no. 09

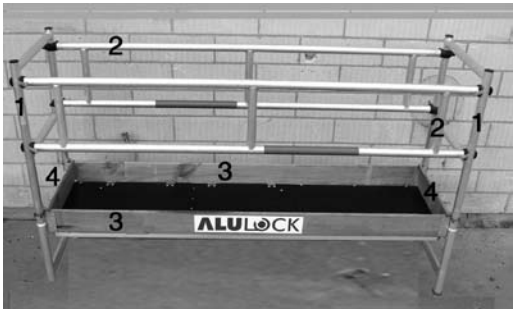
Figur no. 10



Figur no. 11



Figur no. 12



Figur no. 13

4.4 Assembly of the mobile scaffold with internal steps

Important! Always carefully read the entire assembly instructions before beginning to assemble the scaffold. Unpack all individual parts and check whether all necessary parts (as set out in the parts list for your model) are present. Assembly and dismantling must be done by 2 properly qualified persons. The upper platform may only be accessed from inside – the use of (external) ladders is forbidden. The following assembly sequence must be followed at all times.

1. The four wheel shafts (as shown in picture 1) must be fitted with tubular bushings and then attached to the front frame. WARNING: One of the front frames must contain an opening passage (as shown in picture 14, point 5). Insert the wheels with shafts into the tubular bushing and secure with the butterfly screws provided. Height adjustment is carried out as shown in picture 021. The brakes are locked and released as shown in picture 02/4.
2. Attach the two horizontal braces (red) fig. no. 03/32 to the front frame fig. no. 03/4 as shown on the horizontal frame tube and thereafter on the opposite frame tube.
3. Now fit the diagonal braces (yellow) fig. No 14/29 to the 2nd and 6th level on the front frame to the right of the entrance to the steps.
4. The scaffold is now placed at the location it is to be used and aligned using a spirit level. Fig. no. 05 Place the scaffold at the location it is to be used and bring it into an upright position by turning the wheel shafts (as shown in picture 05) horizontally and vertically. This step requires great precision to avoid accidents, a spirit level must be used for this step! After completing this step, turn the scaffold wheels so that they are at a 45° angle facing outwards and secure these against rolling away by engaging the brake.
5. Mobile scaffold fig. no. 14 Base module with internal steps.

In the next part of the assembly, the steps (fig. no. 14/39) are attached to the 1st and 7th level at the entrance opening. The left and right step rail guards fig. no. 14/15 – 16 are fitted and all clamp couplings fig. no. 15/40 tightened.

6. Additional height fig. no. 16/2 intermediate module, (number of intermediate modules are fitted in relation to the scaffold height) is facilitated by fitting the front frame fig. no. 07/4. The security clips fig. no. 09 turn until they drop into the opening and secure the frame fig. no. 09. Then fit both diagonal frames crosswise on the 2nd and 6th levels (yellow) fig. no. 07/29, always check that the lock catch is working and secured, see fig. no. 09. The next levels are fitted, see fig. no. 16/2.
7. Guard rail modules fig. No. 13 are fitted by first attaching a front frame fig. no. 13/1, then the side length guard rails fig. no. 13/2 with quick-release coupling opening are fitted from the inside facing outwards – check that the lock catch moves out and locks, see fig. no. 08/1.
8. First assemble the side length toeboards fig. no. 13/3, then the front toeboards fig. no. 13/4, this allows the toeboards to be put in place without the use of tools.
9. Counterweights are hung over the horizontal bracket of the 3-point outrigger, see fig. no. 11 and 12 in section 5.0. Delete dimensions. Specifications in the “Overview table for counterweights” in section 3.5 and 3.6.
10. On the front frame fig. no. 16/1 as of product line 2011-12 with corner reinforcement.
11. Scaffold parts all marked:

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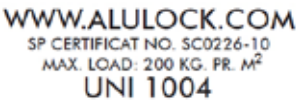
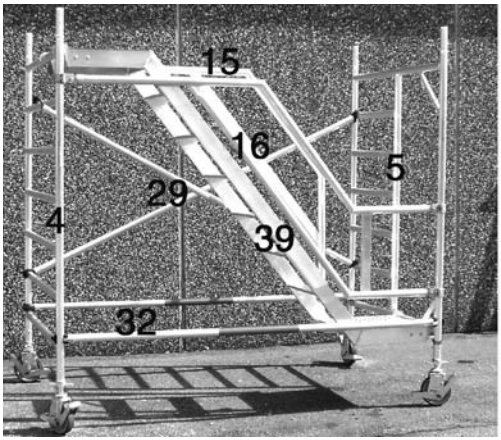
SP CERTIFICAT NO. SC0226-10

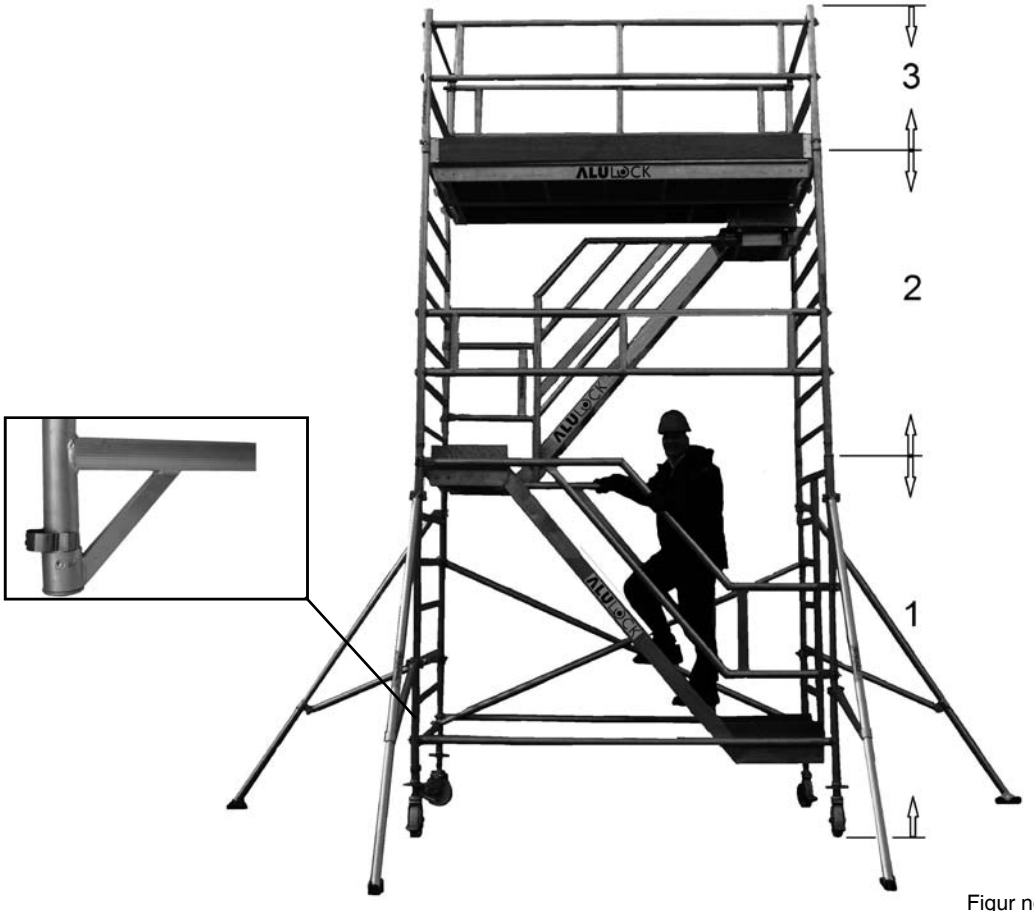


4.4 Assembly of the mobile scaffold with internal steps



Figur no.

Figur no. 15



Figur no.

4.5 Setting up a folding scaffold

1. Unpacking and setting up
Following receipt and unpacking of the scaffold, check that the scaffold is not damaged and that all parts have been received, if damage has occurred during transport please direct the complaint to the shipper or delivery company. Before assembly, inspect all scaffold parts to ensure that they are free from damage and defects. Scaffold parts which exhibit deformations, cracks, dents and fractures, locks which don't work correctly or other defects must be collected immediately.

2. IMPORTANT!
This user manual must be read before using the scaffold. Always follow the instructions of the relevant works supervisory authorities.

3. Instructions
Folding scaffolds are manufactured in accordance with DIN 4422 Part 1 HD 1004 mobile scaffolds. The following rules must be complied with for assembly, stability and use. The user has sole responsibility for ensuring that all laws and the applicable regulations of supervisory authorities, circulars etc. are complied with. The scaffold may only be assembled by persons who are familiar with this user manual and assembly instructions.

4. Safety regulations
Only undamaged original parts and non-defective original parts from the manufacturer which belong to the type-approved scaffolds may be used. Scaffolds may only be erected vertically, on a horizontal supporting surface capable of bearing loads. If this is not the case, a base must be used which distributes the load. Before using the scaffold, an inspection must be carried out to ensure that all parts have been correctly fitted and are fully functional. The scaffolding frames are fitted with guides for wheels. To securely tensions the wheels Ø 125 mm no. W125, the central bolts M12 must be checked to ensure correct tensioning. When the scaffold is in use, all guide wheels must be secured by engaging the wheel stop. The wheel stop may only be released when the scaffold is being moved. The scaffold may only be moved by persons. This should be done step by step, knocks from uneven surfaces should be avoided. While moving, no persons, materials or tools should be on the platforms. It is not permitted to use the scaffold as a walkway. The scaffold may only be anchored e.g. to a wall, with wall anchors supplied by the manufacturer. At platform heights above 2.0 m for scaffold widths of 0.75 m and 4.0 m for scaffold widths of 1.35m, 3-point outriggers must be used.

ALULOCK ApS cannot accept liability for errors in the user manual or for direct or indirect loss resulting from the supply, installation or use of scaffolds.
ALULOCK ApS cannot accept liability for compensation to injured parties who have failed to observe the safety regulations and instructions in this user manual.

4.6 Setting up a folding scaffold

Important!
Always read the entire description for each work process before beginning to assemble the scaffold. Only then should you begin assembling step by step. Unpack all parts and check that the correct number and models have been provided as specified in the parts list for the scaffold in question. 2 persons who have been appropriately trained for the work are always required for the assembly and dismantling of the scaffold. Warning! When accessing the scaffold – always ascend and descend the scaffold internally. The sequence of assembly as set out below must be followed.

Setting up folding scaffold. Order no. 75 18 15 / 75 18 18 – 75 18 20

1. Insert wheels ø125 mm no. W125 into the scaffold frame fig. no. 17/1 Tighten central bolts with 19 mm combination spanner.

2. The four wheel shafts for wheels ø200 mm, item no. W 200 fig. no. 18 must be fitted to the frame in such a way that the long part of the tubular bushing is facing upwards, see fig. No. 01, Insert wheels with shafts into the tubular bushing and secure with butterfly screws fig. no. 02/1. Height adjustment as in fig. no. 02/2, brake activated fig. no. 02/3, Release brake by pressing on the indentation fig. no. 02/4.

3. Set up the folding frame in an upright position, fig. no. 21, pull the front frame sideways (arrow) until the middle hinges snap into position fig. no. 22/1, which reinforces the frame.

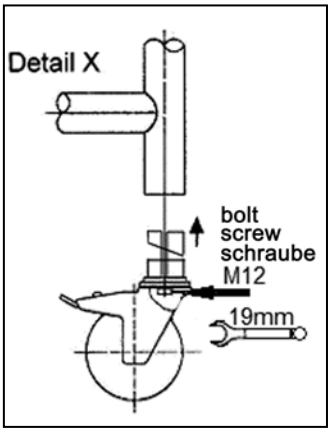
4. Now the horizontal braces are assembled fig. no. 23/31, then the platform is hung in position fig. no. 23/17 and secured, see fig. no. 11/2.

5. Fig. no. 24 shows a hatch opener which can be operated from above and below (gap in the hatch). Folding scaffold model no. 75 18 18 – folding scaffold no. 75 18 20

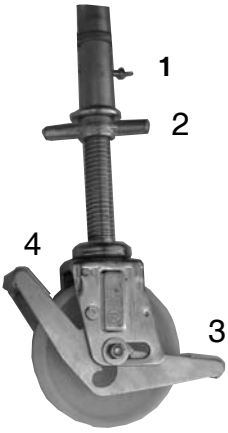
6. Guard rail modules fig. No. 13 are fitted by first attaching a front frame fig. no. 13/1, then the side length guard rails fig. no. 13/2 with quick-release coupling opening are fitted from the inside facing outwards – check that the lock catch moves out and locks, see fig. no. 08/1.

7. First assemble the side length toeboards fig. no. 13/3, then the front toeboards fig. no. 13/4, this allows the toeboards to be put in place without the use of tools.

4.6 Assembly of the folding scaffold



Figur no. 17

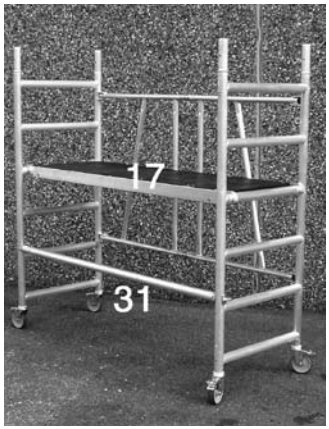


Figur no. 19

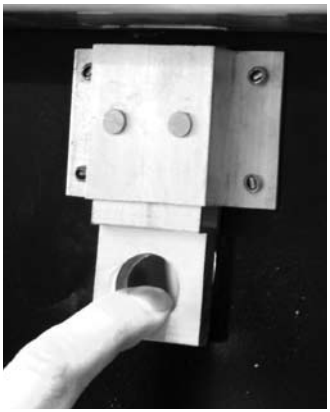

Figur no. 20

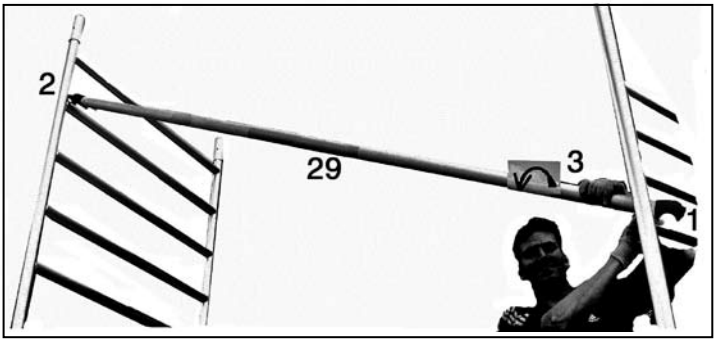

Figur no. 21

Figur no. 22



Figur no. 23


Figur no.



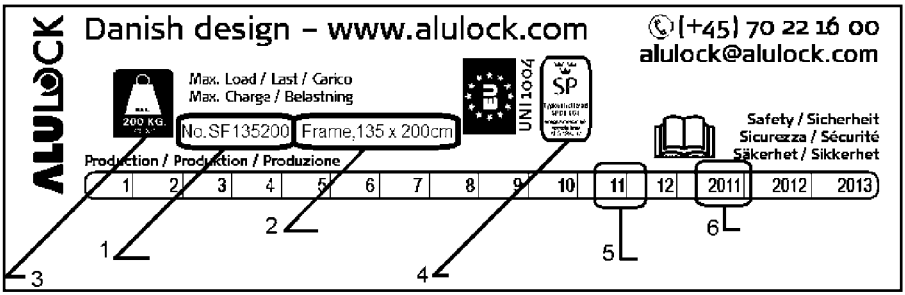
Figur no.

4.7 Signage on scaffold parts – Certificate – Patent no.

Stilladsdele er forsynet med labels, som har følgende data:

Scaffold parts are marked with labels which provide the following information:

1 Part number
2 Description
3 Max. Load
4 Type approval
5 Month of production
6 Year of production
7 Product serial number



Serial no. serien-No. Serieno.
2011 04
N°de serie / Numero d:serie

7

Scaffold components bear patent no. – certificate no.

WWW.ALULOCK.COM
SP CERTIFICAT NO. SC0226-10
MAX. LOAD: 200 KG. PR. M^2
UNI 1004

WWW.ALULOCK.COM
PATENT PENDING DK2010/050115
SP CERTIFIKAT NO. SC0226-10

4.8 The scaffold is dismantled

The scaffold is dismantled by following the assembly sequence in reverse, avoid damaging the individual parts. Dismantle diagonal / horizontal braces – press on the lock catch fig. no. 25/1 and raise out of the level, then turn the brace in the direction of the arrow, fig. no. 25/3 – and now the quick-release lock at the opposite end is also released. Therefore at least 2 persons are required to dismantle the scaffold, in order to achieve

5.0 Counterweights, number and positioning

WARNING!
The attachment and dimensions of counterweights depend on the type of installation and height of the platform.

1. From tables titled ”Overview Table for Counterweights” in section 3.5 and 3.6, select the number of weights for the type of scaffold installation.
2. Hang counterweights from the hori -zontal braces of the 3-point outrigger as shown in fig. no. 11 and fig. no. 12.

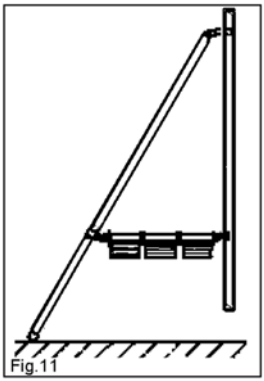


Fig.no.11
Assembly: Free-standing

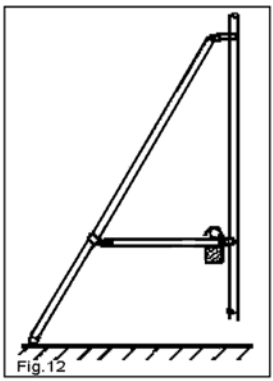


Fig. no.12
Assembly: side set-up

5.1 Use of wall spacers – wall anchors

1. Wall anchors no. LKTOP are only used for set-up against a wall and are used to ensure the stability of the scaffold.
2. At platform heights of up to 4.35 m, 2 wall anchors must be fitted, at scaffold heights of 6.35 m and 9.35 m another 2 x 2 wall anchors must be fitted.
3. At platform heights above 10.35 m a further 2 wall anchors must be fitted.
4. Establish where the dowels for the anchors must be inserted in the masonry, see fig. no. 14.
5. Wall anchors must be fitted in pairs and always on the second-last level of the uppermost scaffold frame (never on guard rails).
6. Dowel drills corresponding to the dowels used should be bored into stone or other load-bearing element. Dowels are fitted into the holes, see fig. no. 13 and 14/1.
7. The safety regulations in section 2.0 point 14 page 3 must be followed.

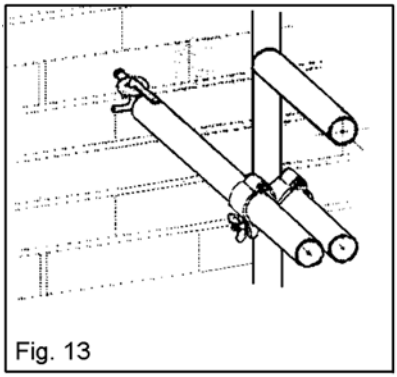


Fig. 13

Wall spacers
The model is not covered by this type of regulation.
SP 379802

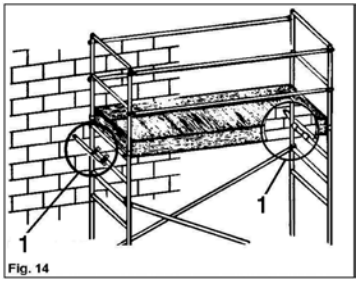


Fig. no. 14 Scaffold position Anchors

5.2 Fitting wall spacers

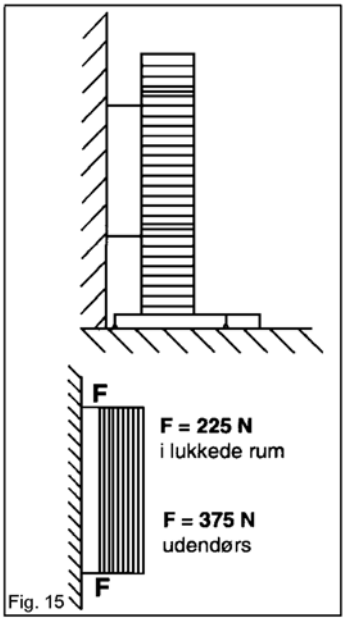


Fig. no. 15 Lateral load F

WARNING! When selecting the type of dowel to be used in fitting wall spacers, the maximum permitted lateral load F (fig. no. 15) must be taken into consideration.

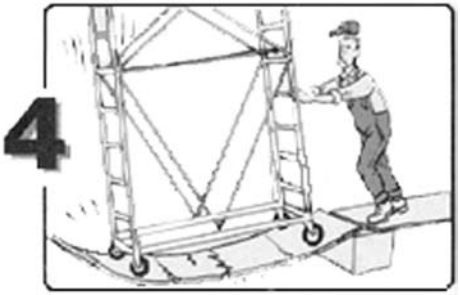
1. Drill dowel holes in stone or another load-bearing element, fit the correct dowels (Important! The safety regulations in section 2.0 point 26 must be followed).
2. Screw the entire screw length of the ring bolt of the wall anchor into the dowel drill.
3. Open both butterfly nuts on the double bracket of the clamp coupling.
4. Connect wall anchors to the ring bolt, fit the clamp coupling on the second-last level of the uppermost scaffold frame.
5. Close both clamp couplings and tighten to 12 Nm using the butterfly nuts.
6. WARNING! Depending on the scaffold height, additional wall anchors may be necessary.

6.0 Tips and instructions for the use of scaffolds

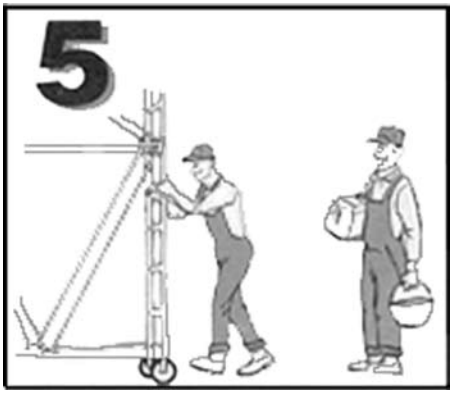
Before installing the mobile scaffold, it is important for your own safety and that of others to "read the manual".

Inspect all parts for damage and fractures.

Only use original parts

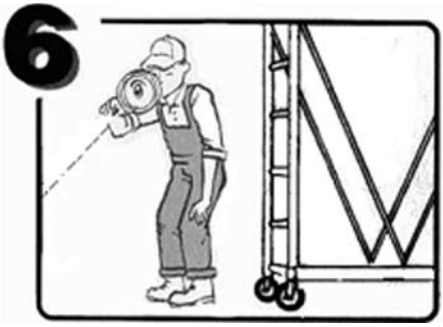


Only set up and transport the scaffold on stable, horizontal bases – which can bear the weight and are even, free of holes and manholes.



If the scaffold is being moved, all men, tools and materials must be removed before starting to move. Ensure that there is enough room overhead and that there are no electrical cables in the way – danger of death! There should be no other obstructions on the ground or overhead.

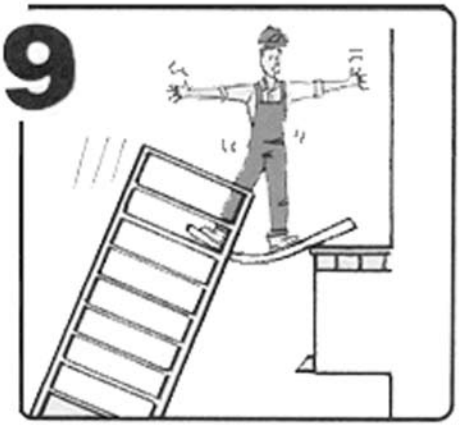
6.0 Tips and instructions for the use of scaffolds



A scaffold may only be moved manually at a steady pace and on even surfaces. Before moving, reduce the height of the scaffold with regard to the surface conditions and any wind.

Before using the assembled scaffold, check again that the scaffold is secure and has been set up in accordance with the instructions

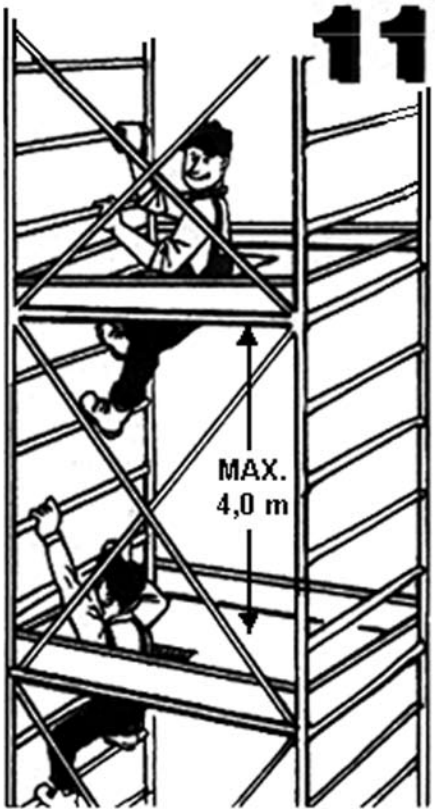
Never use methods which could unbalance the scaffold and cause injury to persons or damage to materials.



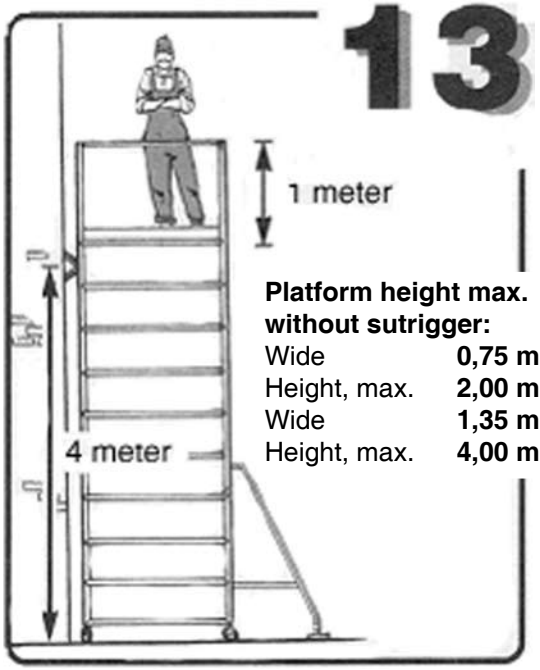
Important! For your own safety and that of your colleagues: It is not permitted to create a walk-way between the scaffold and a building.

6.0 Tips and instructions for the use of scaffolds

Before using the scaffold, you must ensure that the wheels are blocked and the brake pedal is engaged.



The scaffold should only be ascended or descended from the inside and through the hatches in the platforms. Comply with the applicable rules relating to the assembly and use of scaffolds.



Platform height max. without sutrigger:

Wide	**0,75 m.**
Height, max.	**2,00 m.**
Wide	**1,35 m.**
Height, max.	**4,00 m.**

Assemble in accordance with our instructions and regulations. The user is responsible for compliance with the statutory laws and the regulations of supervisory authorities.

It is not permitted to bounce on the scaffold, keep hatches closed after access. Comply with the applicable load and number of persons that apply to each particular scaffold.

PRODUCT RANGE

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RANGE: Aluminium boxes – Wood, aluminium and fibreglass ladders. Aluminium scaffolding, mobile platforms – aluminium work platforms. Specific products available on request.

A5 Brugervejledning, folde- og Rullestilladser. Jan. 2012.InDesign.