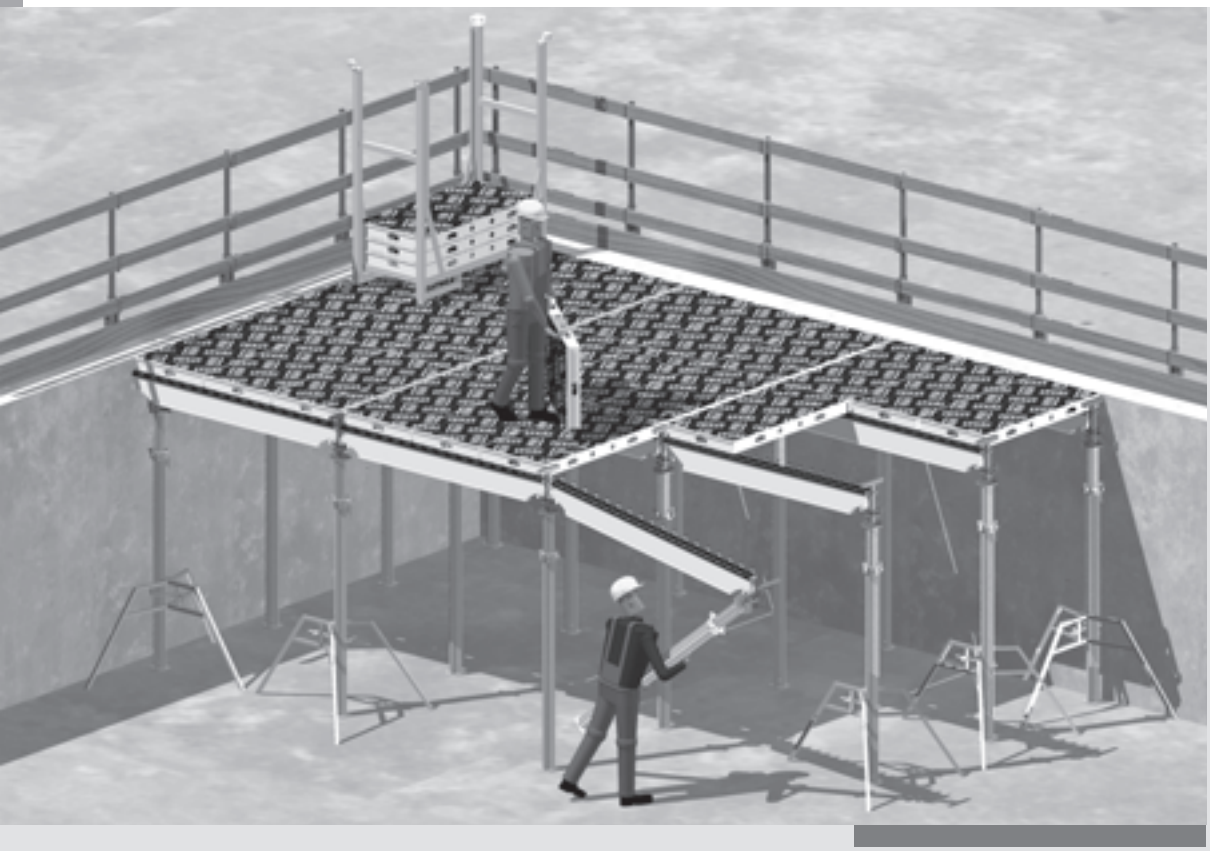
SKYDECK
Panel Slab Formwork

Assembly Instructions for Standard Configuration



Edition 02/2009

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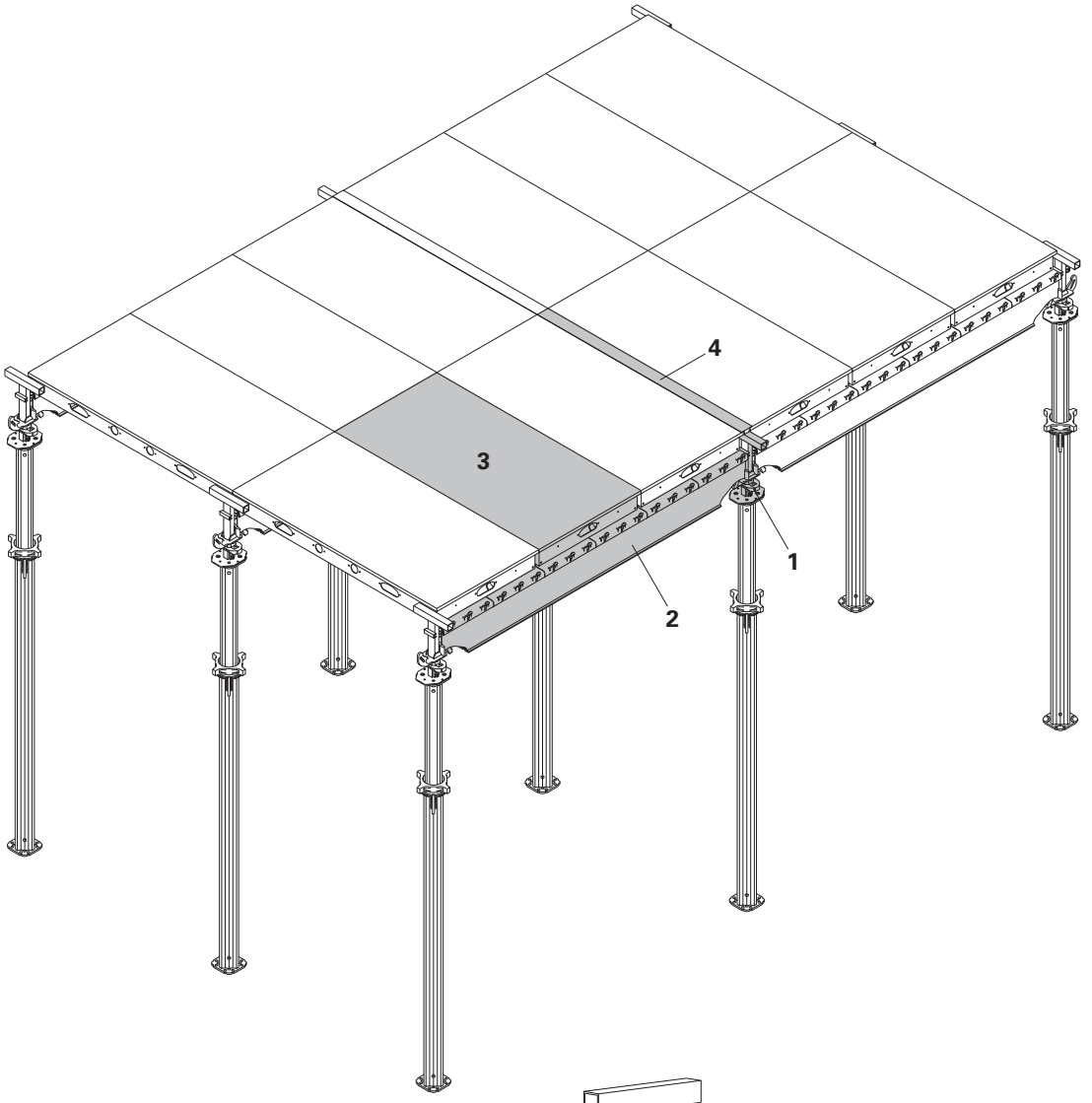
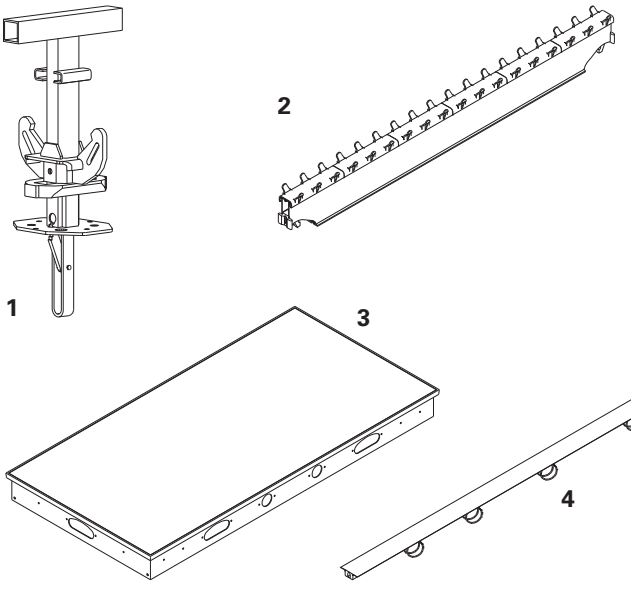




1 Drophead SFK
2 Main Beam SLT 225
3 Panel SDP
4 Cover Strip SAL

Introduction

Standard configuration

General
The structures presented in these assembly instructions are shown in the form of examples with only one component size. They are valid accordingly for all component sizes contained in the standard configuration.

Features
PERI SKYDECK is a panel slab formwork system used for constructing slab thicknesses up to 95 cm. Depending on the slab thickness and concrete strength, the SKYDECK drophead allows striking to take place after only 1 day (see table containing minimum concrete strength and guide values).
The panels and main beams are made of aluminium which means they are very light.
Accessories for infill areas, shuttering around columns and the slab edges are also available.
Due to early striking, the panels and main beams can be used for the new concreting cycle.
Only the props with dropheads and the cover strips remain in position until the full concrete strength has been reached. The on-site material requirements are therefore clearly reduced.

Main components
Drophead SFK
Prophead SSK
Combihead SCK

Panel SDP in the following sizes:
150 x 75, 150 x 50, 150 x 37.5, 75 x 75, 75 x 50, 75 x 37.5 cm

Main Beam SLT in the following lengths:
225, 150, 375 cm

Cover Strip in the following lengths:
150, 75, 50, 37.5 cm

Technical Data
Permissible slab thicknesses and available prop loads: see PERI Tables.

System dimensions
With Drophead SFK, Main Beam SLT 225
230 x 150 cm, slab thickness max. 40 cm (presented in the following)
230 x 75 cm, slab thickness max. 80 cm
115 x 75 cm, slab thickness max. 95 cm (with centre support)

With Drophead SFK, Main Beam SLT 150
155 x 150 cm, slab thickness max. 48 cm
155 x 75 cm, slab thickness max. 95 cm

With Prophead SSK, Main Beam SLT 225
225 x 150 cm, slab thickness max. 40 cm
225 x 75 cm, slab thickness max. 80 cm
112.5 x 75 cm, slab thickness max. 95 cm with centre support)

With Prophead SSK, Main Beam SLT 150
150 x 150 cm, slab thickness max. 51 cm
150 x 75 cm, slab thickness max. 95 cm

Intended use

1. PERI products are exclusively technical working materials which are intended for commercial use by technically competent users only.

2. These assembly instructions serve as the basis for the project-related risk assessment and the instructions for the provision and use of the system by the contractor (user). However, they do not replace these.

3. Only PERI original components may be used. The use of other products and spare parts represents a misapplication with associated safety risks.

4. The components are to be inspected before each use to ensure that they are in perfect condition and function correctly.

5. Changes to PERI components are not permitted and represent a misapplication with associated safety risks.

6. Safety instructions and permissible loads must be observed.

7. Components provided by the contractor must conform with the characteristics required in these assembly instructions as well as all valid construction guidelines and standards.

In particular, the following apply if nothing else is specified:
– timber components: Strength Class C24 for Solid Wood EN 338.
– scaffold tubes: galvanised steel tubing with minimum dimensions Ø 48.3 x 3.2 mm according to EN 12811-1:2003 4.2.1.2.
– scaffold tube couplings according to EN 74.

8. Deviations from the standard configuration may only be carried out after a separate risk assessment has been done by the contractor (user). On this basis, appropriate measures for the working safety and stability are to be implemented.

Introduction

Safety instructions

General
1. Deviations from the standard configuration and/or intended use present a potential safety risk.

2. All country-specific laws, standards and other safety regulations are to be taken into account when are products are used.

3. During unfavourable weather conditions, suitable precautions and measures are to be implemented in order to guarantee working safety and stability.

4. The contractor (user) must ensure the stability throughout all phases of construction. He has to ensure and verify that all loads which occur are safely transferred.

5. The contractor (user) has to provide safe working areas for site personnel which are to be reached via safe access means. Areas of risk must be cordoned off and clearly marked. Hatches and openings on accessible working areas must be kept closed during working operations.

6. For better comprehensibility, detailed representations are partly incomplete. The safety installations which have possibly not been shown in these detailed descriptions must nevertheless be available.

Storage and transportation
1. Do not drop the components.

2. Store and transport components so that no unintentional change in their position is possible. Detach lifting gear from the lowered units only if these are in a stable position and no unintentional change is possible.

3. When moving, components are to be picked up and set down so that any unintentional toppling over, falling apart, slipping or rolling are avoided.

4. Use only suitable load-carrying equipment to move the components as well as the designated load-bearing points.

5. During the lifting and moving procedure, ensure all loose parts are removed or secured.

6. During the moving procedure, always use a guide rope.

7. Move components only on clean, flat and sufficiently load-bearing surfaces.

System-specific
1. Retract components only when the concrete has sufficiently hardened and the person in charge has given the go-ahead for striking to take place.
2. Anchoring is to take place only if the anchorage has sufficient concrete strength.
3. During striking, do not tear off the formwork elements with the crane.
4. The existing prop loads (see tables) must be safely transferred by means of sufficiently load-bearing slab props or tower systems.
5. The SKYDECK platforms are classified in Load Class 2 (permissible load 150 kg/m²). They are available as work and safety scaffold.
6. When storing heavy items on the formwork, the load-bearing capacity must be taken into consideration.
7. Cantilevers may only be accessed after bracing has been mounted.
8. The horizontal fixed position of the slab formwork must be guaranteed. This is provided through circumferential walls and pre-concreted beams. Otherwise the transfer of the horizontal loads must be guaranteed by means of other measures supplied by the contractor, e. g. bracing.
Load assumptions for horizontal loads in accordance with DIN EN 12812.
9. For use within Falsework Group III, a site record, according to A 10, must be made.

Additional PERI product information

- SKYDECK brochure
- SKYDECK poster
- SKYDECK platform "Assembly Instructions"
- PERI design tables
- Pallet lifting trolley "Instructions for Use"
- Pallet and stacking device "Instructions for Use"
- Stripping Cart ASW 465 "Instructions for Use"
- Stripping Cart Alu "Instructions for Use"
- Transportation Fork SKYDECK SUG "Instructions for Use"

A1 Storage and transportation

Instructions for Use for PERI pallets and stacking devices must be taken into consideration!
Manually-created transport units must be correctly stacked and secured!
Pallets and stacked components are to be protected against the effects of the weather, e.g. secure packed components with tension straps against lifting!

Transportation
PERI pallets and stacking devices are suitable for lifting with a crane or forklift. They can also be moved with the PERI pallet lifting trolley.
All pallets and stacking devices can be lifted using both the longitudinal and front sides.

The following are just some examples.

Stacked with Panel SDP 150 x 75
Pallet SD: 48 pieces (Fig. 1)
Pallet SD: 14 pieces (Fig. 2)

The Pallet SD can also be used for storing other SKYDECK components, e.g. Main Beam SLT.
(Fig. 3)

Stacking:
2 loaded pallets, one on top of the other.

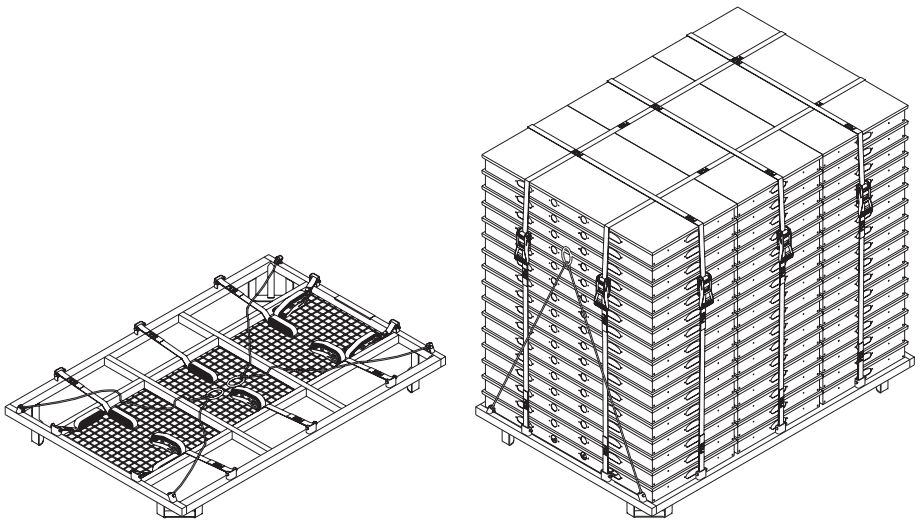


Fig. 1

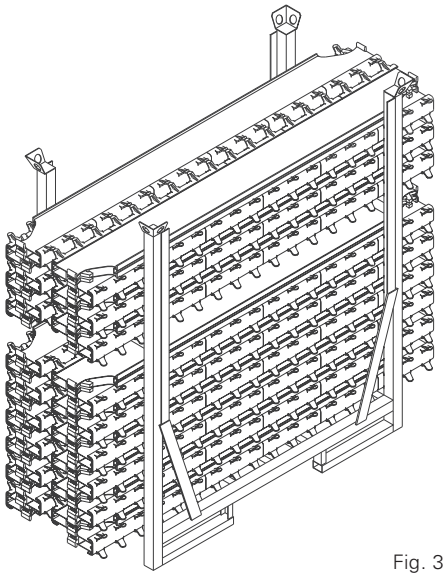
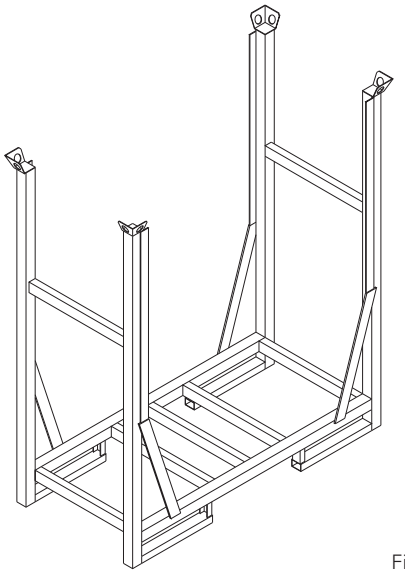


Fig. 3



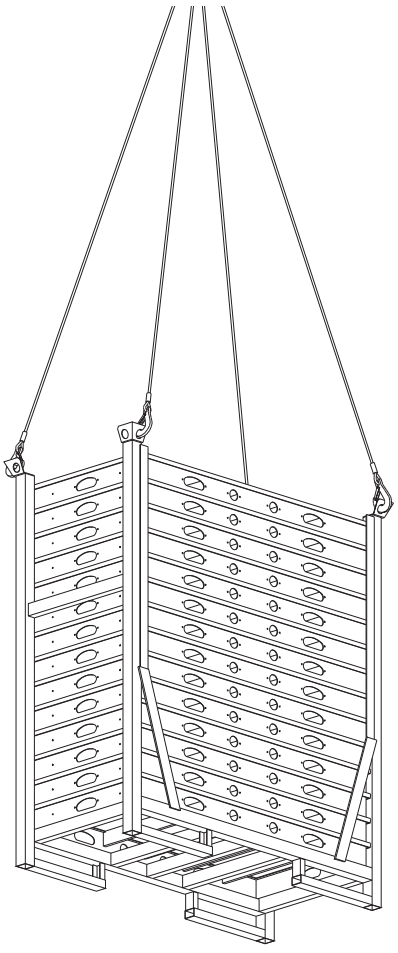


Fig. 2

A2 System components

Slab Props
Dropheads, propheads or combiheads fit on props with a hole diameter ø 38 – 40 mm.
With hole diameters > 40 mm, the heads must be bolted diagonally using 2 bolts ISO 4016 M 12 x 40-4.6 Mu, galv., Item no. 035440.

For prop loads over 33.3 kN, bolting on the drophead is not required with the use of MULTIPROP slab props.

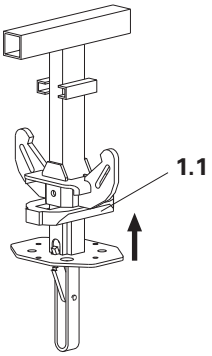


Fig. 4

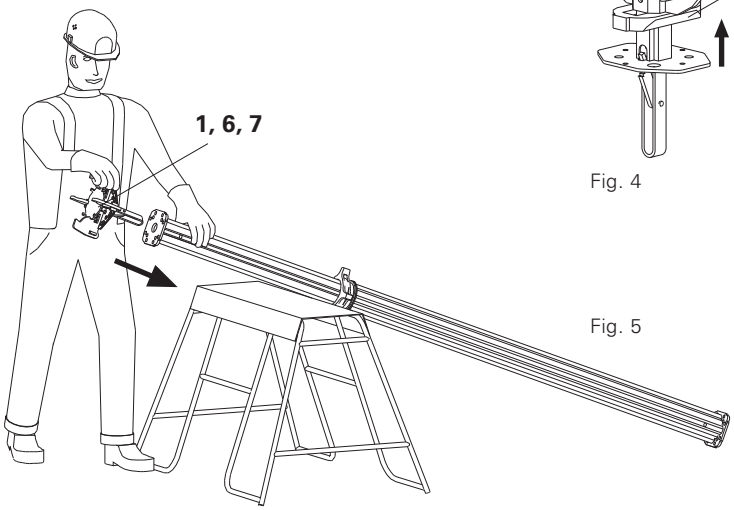
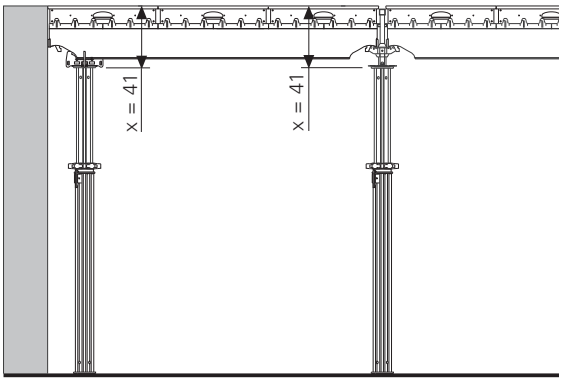


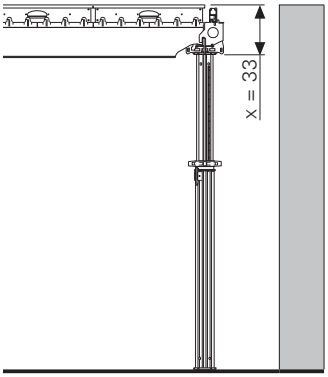
Fig. 5

Preparing the slab props
1. Adjust the extension lengths of the props. Clear room height minus dimension x.
2. Push drophead wedge (1.1) upwards. (Fig. 4)
3. Secure with hammer blow = shuttering position.
4. Insert drophead (1), prophead (6) or combihead (7) into the prop. The self-locking coupling is secured automatically. (Fig. 5)
The prop is ready for use.

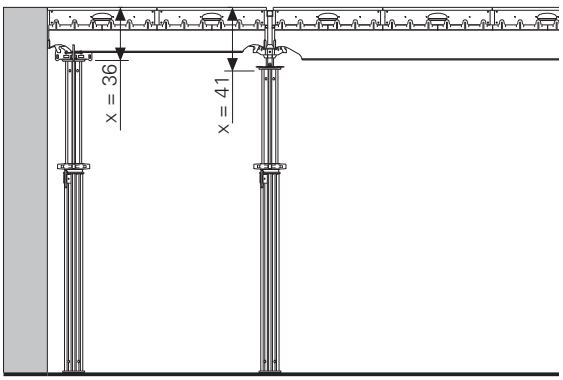
Start field
Main Beam SLT 225



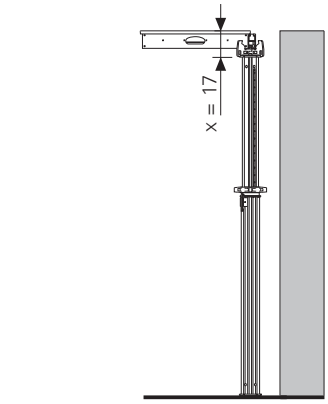
End field
Main Beam SLT 225



Start field
Main Beam SLT 150



End field
Panel SDP



A3 Shuttering

Start field

1. Position prop with prophead (6) in one corner of the room (spacing: see Fig. 12).
2. Secure with tripod.
3. Position prop with drophead (1). Spacing 2.275 m.
4. Insert Main Beam SLT 225 (2) into the beam support of the prophead and drophead. (Fig. 9a, 9b, 9c)
5. Secure with tripod.
6. Position second pair of props at a distance of 1.50 m from the wall.
7. Insert Main Beam SLT 225 (2) in the beam support.
(Fig. 10)

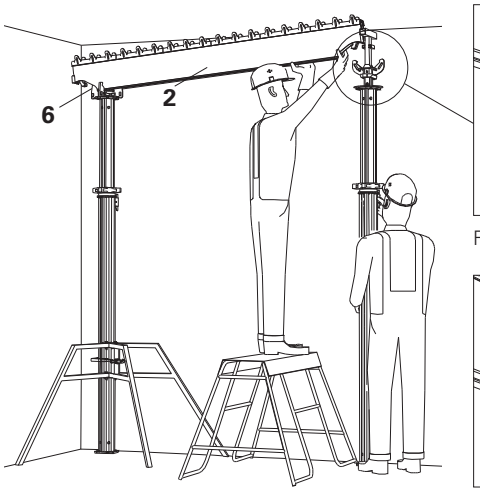


Fig. 9

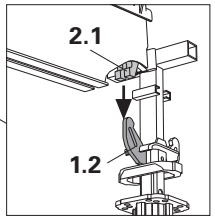


Fig. 9a

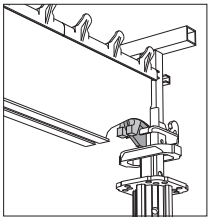


Fig. 9b

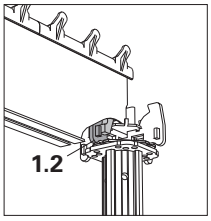


Fig. 9c

Connecting the main beam
The Main Beam SLT must be positioned in the beam support centres of the SKYDECK heads. The main beam connection (2.1) enclose the head of the beam support (1.2).

Insert panels
1. Spray the edge of the panel with release agent.
2. Insert panel (3). In so doing, the rack of the main beam fixes the panel in position. (Fig. 11)

The start field is complete.
(Fig. 12)

Set up drophead props on the wall so that the drophead wedge can be struck from the inside during striking.
The Main Beam SLT is always positioned parallel to the longer wall side.
Always check the rectangularity of the first field.

Fig. 10

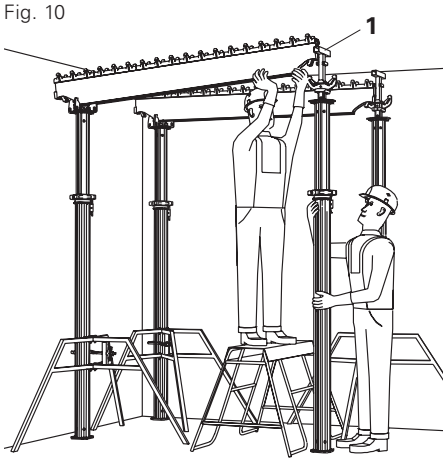


Fig. 12

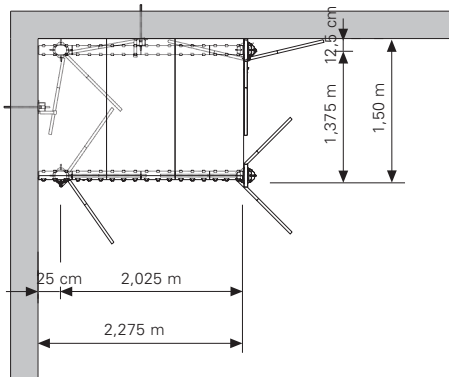
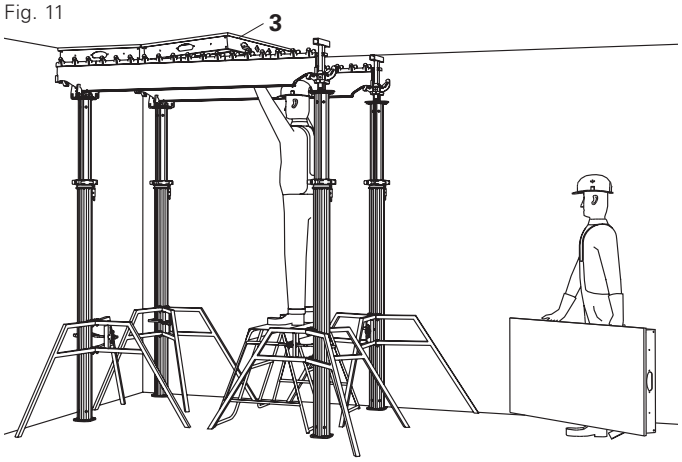


Fig. 11



A3 Shuttering

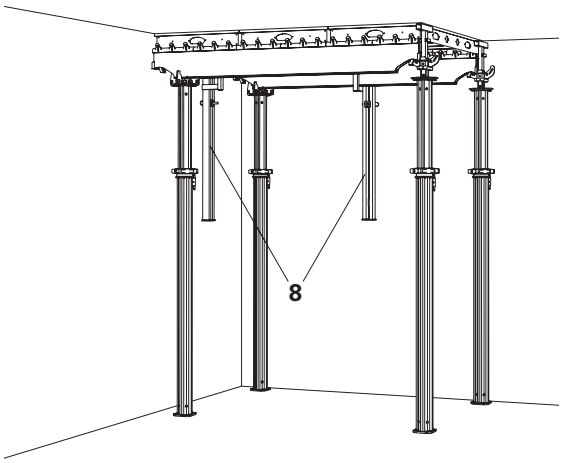
Wall Holder SWH

The area to be formed may not be accessed before the formwork has been horizontally anchored!

The Wall Holder SWH (8) is used to hold the slab formwork in a horizontal position during the assembly. It is installed in longitudinal and transverse directions and can fix the main beam as well as the panel. The Wall Holder SWH (8) is mounted in every second field.

Assembly
1. Push tie rod with Wingnut Pivot Plate through the available tie hole.
2. Place Main Beam SLT into the Wall Holder SWH or push Wall Holder in SWH into the edge of the panel.
3. Tighten Wall Holder SWH with Wingnut Pivot Plate on the wall.
4. Remove tripod.
(Fig. 14)

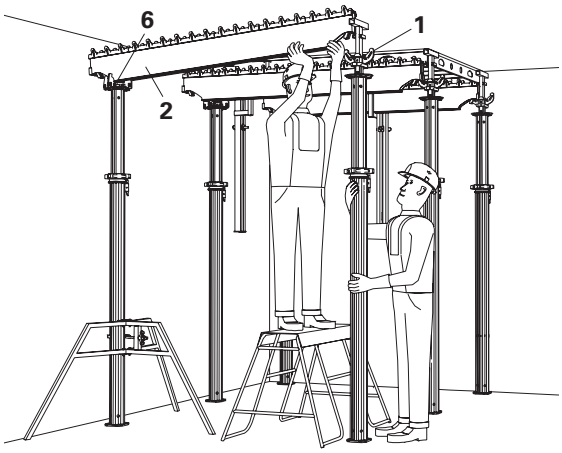
Fig. 14



Transverse field

1. Position prop with prophead (6). Spacing 1.50 m.
2. Secure with tripod.
3. Position prop with drophead (1). Spacing 2.275 m.
4. Insert Main Beam SLT 225 (2) into the beam support of the prophead and drophead. (Fig. 15)
5. Secure with tripod.
6. Insert panel (3).
(Fig. 16)

Fig. 15



The transverse field is complete.
(Fig. 17)

Working in a transverse direction is recommended.
Use tripods again in the next field.

Fig. 16

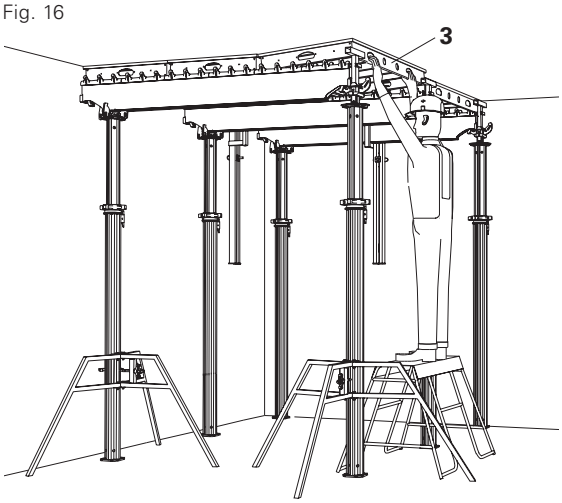
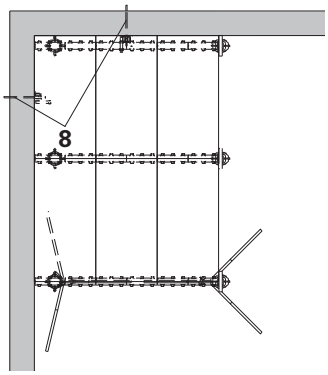


Fig. 17



A3 Shuttering

Longitudinal field

Based on the risk assessment, the contractor must decide whether forming takes place from above or below!

1. Attach Main Beam SLT 225 (2) to the drophead.
2. Connect prop with drophead in the raised main beam.
3. Place prop in a vertical position.
4. Secure with tripod.
(Fig. 18)
5. Proceed likewise with the second main beam and prop.
6. Install panel (3).
(Fig. 19)

The longitudinal field is now complete. (Fig. 20)

Mount a wall holder (8) in every second field.
Use tripods in the next field again.

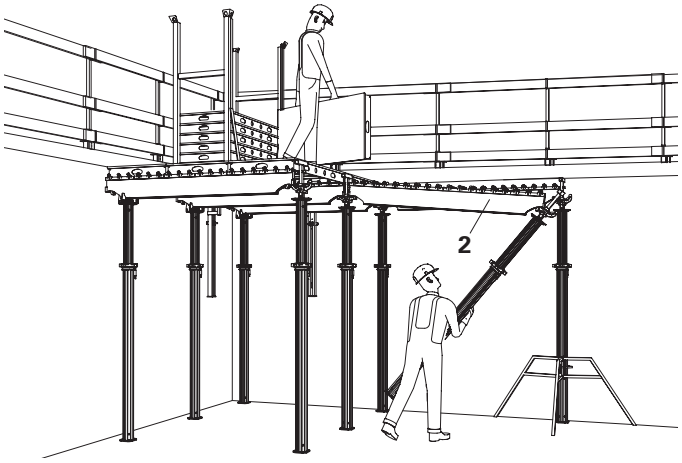


Fig. 18

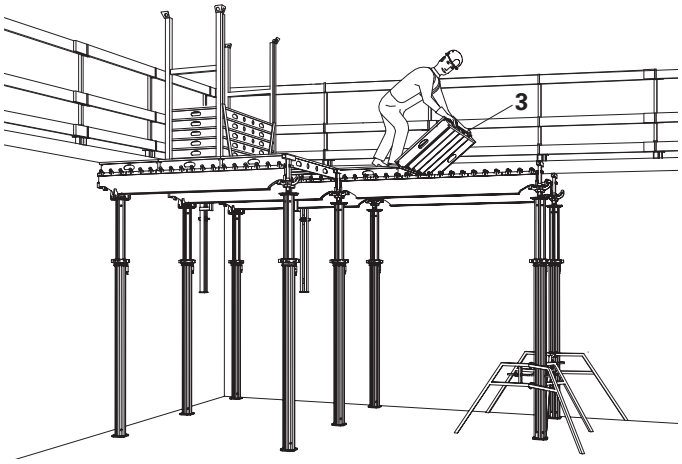


Fig. 19

If the SKYDECK Guardrail Holder is used, this must be installed during setting of the panels. For details see A6.

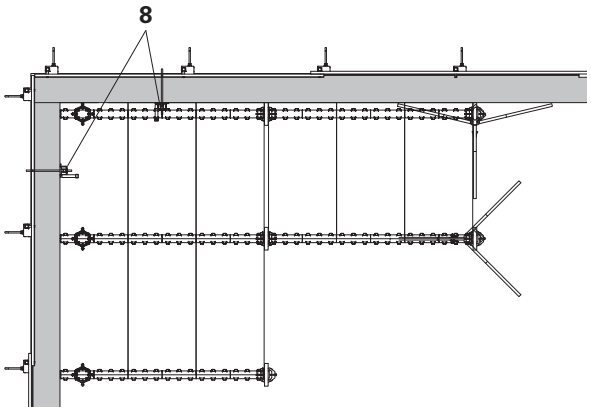


Fig. 20

A3 Shuttering

Standard field

Due to the recurring assembly sequence, always continue in the same way.

With wind speeds of 64 km/h upwards, reinforcement is to be carried out immediately or the panels are to be fixed to the main beams by means of 2 Panel Clips SPK (21) respectively.
(Fig. 22a)

1. Attach Main Beam SLT 225 (2) to the drophead.
2. Connect prop with drophead in the raised main beam.
(Fig. 21)
3. Place prop in a vertical position.
4. Install panel (3).

The standard field is now complete.
(Fig. 22)

Shuttering the casting segment

Set Pallet SD (5) with Panels down onto the forming area. Place panels from above in the main beams. Place empty pallets on the ground again, in preparation for the striking process.
(Fig. 23)

1. Shutter the standard fields until there is no more space for the Main Beam SLT 225 or Compensation Beam SLT 150.
2. Form the infill areas. See A4.
3. Insert Cover Strip SAL (4).
(Fig. 24)
4. Thinly spray the forming area with Release Agent – also from below if used for the first time.

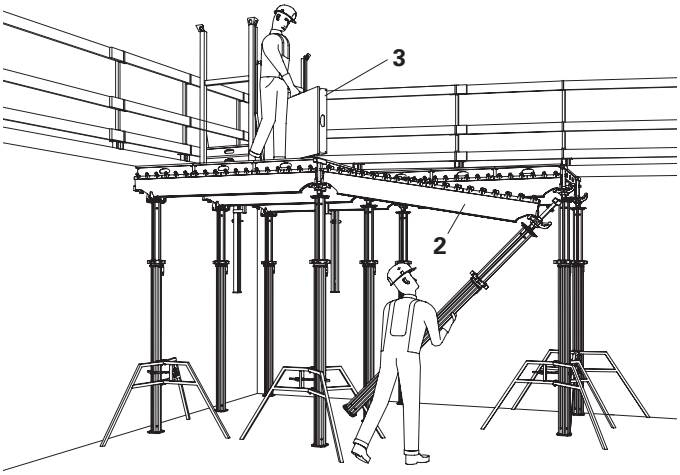


Fig. 21

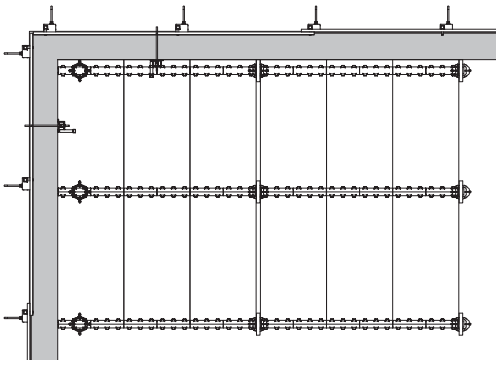


Fig. 22

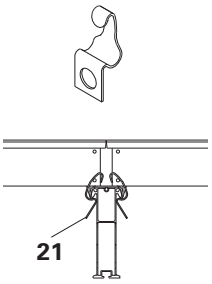


Fig. 22a

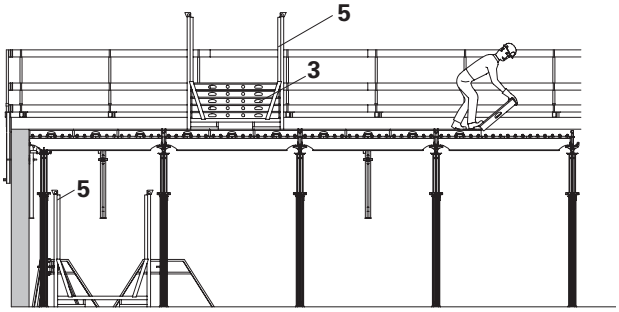


Fig. 23

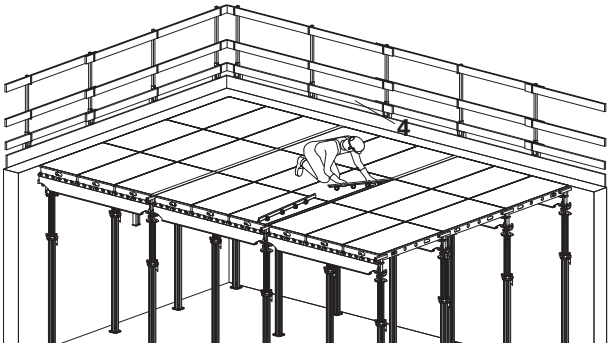
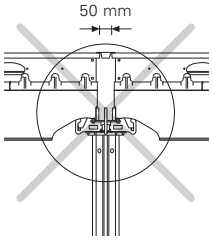


Fig. 24



The Prophead SSK is not a substitute for the Drophead with 5 cm spacings (cover strip).

A4 Infills

Longitudinal infills

Secure filler timbers with nails!

Drophead infills up to 2.25 m + 5 cm.
Prophead infills up to 2.25 m.
Infills are calculated based on length of room - n x 2.30 m (2.25 m).
See Tables.

Forming the infills
1. Continue forming with prop, Compensation Beam SLT 150 (2.5) and Panel SDP (3) as in the standard field. (Fig. 25)
2. Gaps up to 75 cm are formed with:
– Prophead SSK (6) or
– Drophead SFK (1) and
– Combihead SCK (7)
– Edge Beam SRT (9)
– End Support SSL (10)
– Filler Timber SPH (11)
– square-shaped timbers (12) are securely nailed before elements are assembled.

21 mm formlining provided by the contractor, additional prop with crosshead and formwork girder (15). (Fig. 26 - 29)

Take into consideration the clamping direction of the formlining. See Tables
Nail holes for fixing the timbers are available in the panel edge struts.

Tip for Fig. 27
Mount End Support SSL before beam assembly and swivel upwards together with the beam.

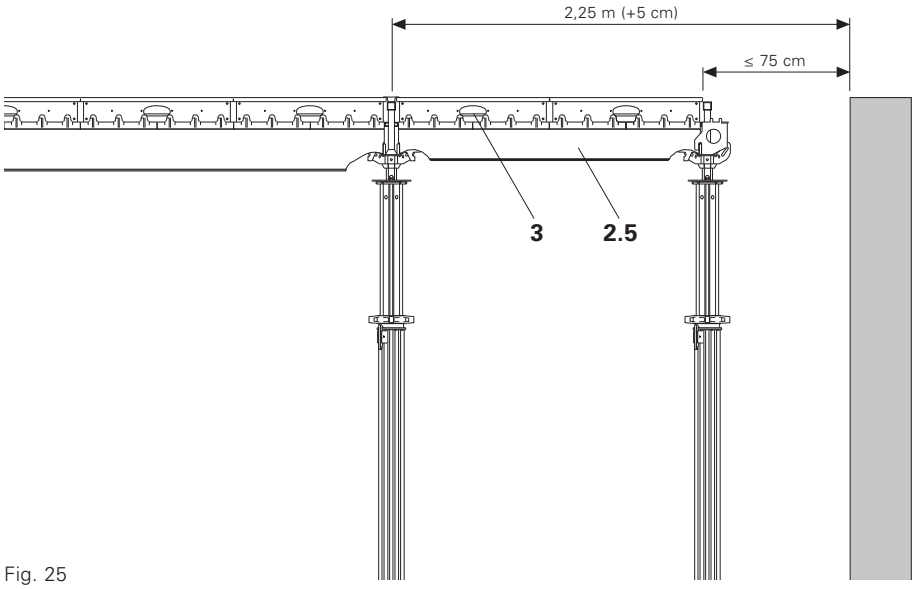


Fig. 25

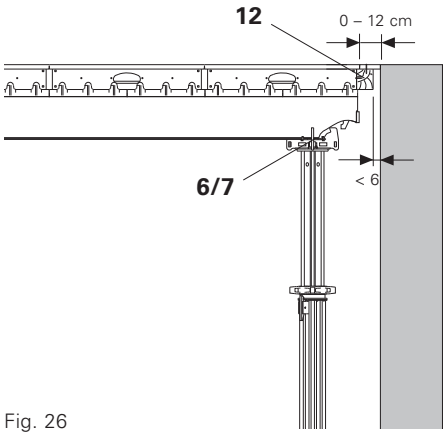


Fig. 26

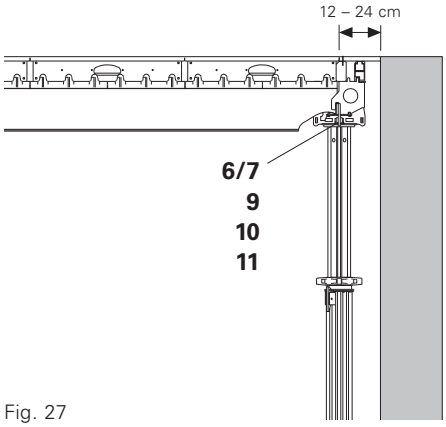


Fig. 27

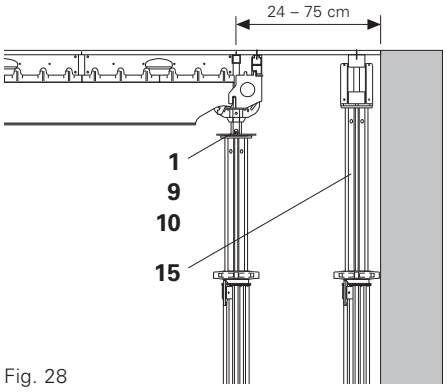


Fig. 28

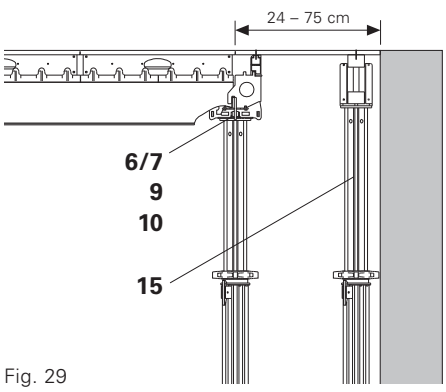


Fig. 29

A4 Infills

Transverse infills

Secure filler timbers with nails!

Max. infills are 1.50 m.
Infills are calculated based on:
length of room - n x 1.50 m.
See Tables.

Forming the infills

1. Continue forming with prop, Main Beam SLT 225 (2) and Panel (3).
2. Install panel (3) crosswise. (Fig. 30a)
3. Gaps up to 75 cm are formed with:
– Drophead SFK (1)
– square-shaped timbers (12) are securely nailed before elements are assembled.
– Edge Beam SRT (9) or
– nail on Filler Timber SPH (11) before elements are assembled.
– 21 mm formlining provided by the contractor, additional prop with crosshead and formwork girder (15). Panel Wedge Clip SPKK (20). (Fig. 31 - 33)

Take into consideration the clamping direction of the formlining. See Tables. Nail holes for fixing the timbers are available in the panel edge struts.

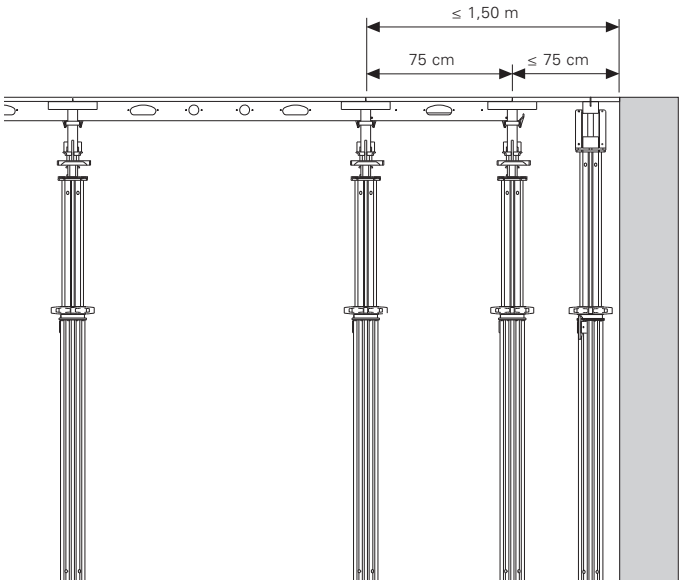


Fig. 30

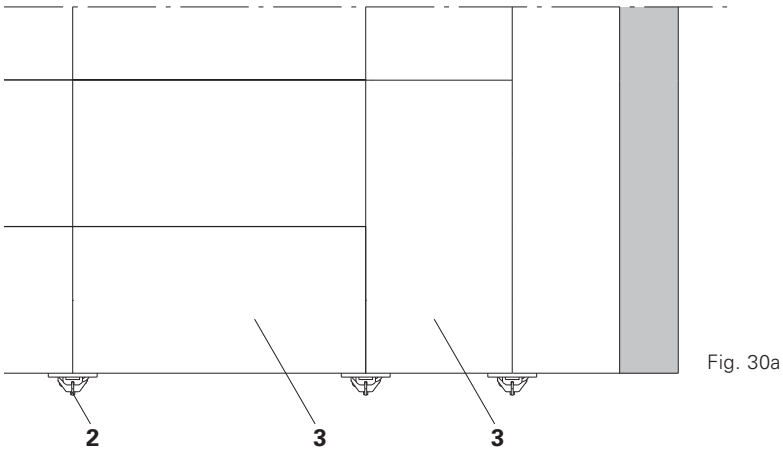


Fig. 30a

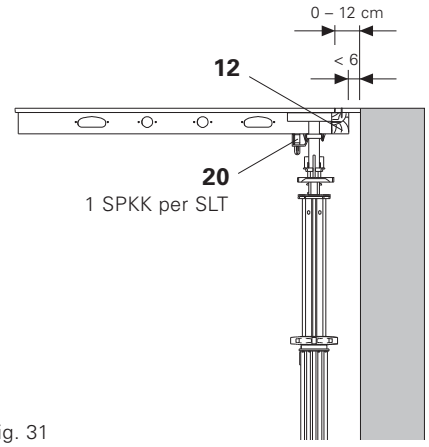


Fig. 31

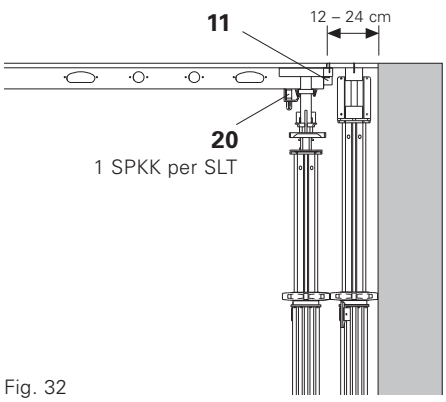


Fig. 32

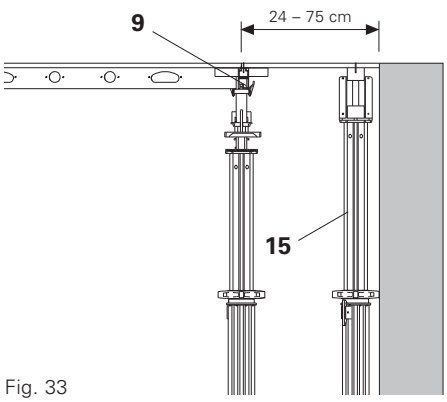


Fig. 33

A4 Infills

Edge Beam SRT 150, SRT 75

Secure filler plates with nails!

Installation
Install in a vertical position or turned by 180°.
The locking pin (9.1) secures the Edge Beam SRT (9)

a to the Main Beam SLT in a longitudinal direction.
b to the Prophead SSK in a transverse direction.
c in the End Support SSL (10) in a longitudinal direction.
d to the Combihead SCK (7) in a longitudinal and transverse direction. (Fig. 34)

End Support SSL
Use the End Support SSL as height adjustment for the transition from a standard field to an infill area.
(Fig. 35)

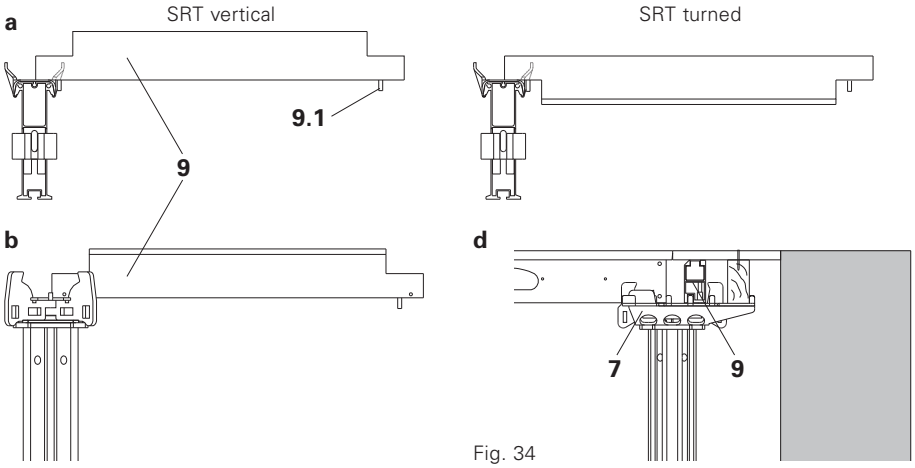
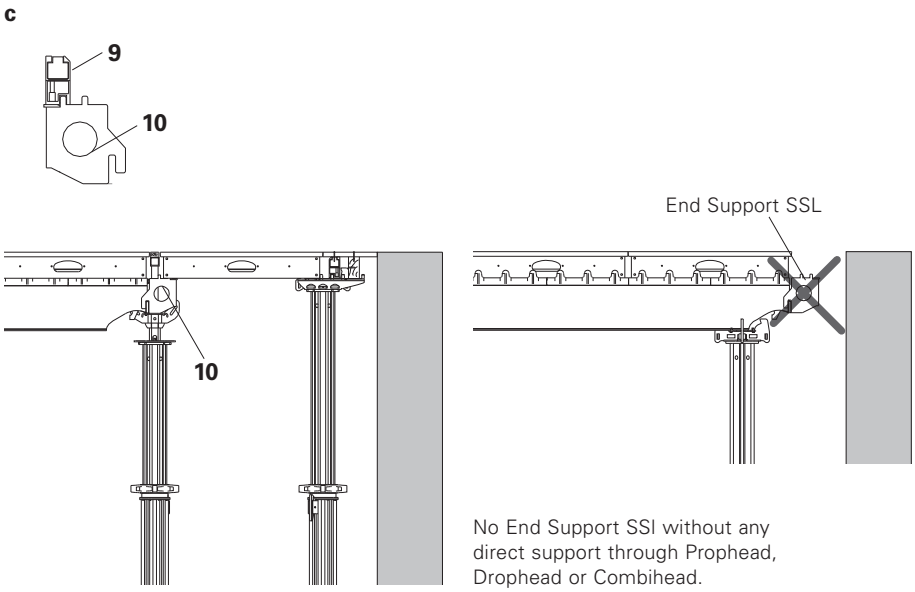


Fig. 34



No End Support SSl without any direct support through Prophead, Drophead or Combihead.

Fig. 35

Triangular Frame SDR 150/75, 75/75

Form infill areas with inclined walls using triangular frames.

Forming the infills
1. Continue forming as long as possible in the system.
2. Continue forming with infill panels and also inserted panels, as with the longitudinal and transverse infills.
3. Lay Triangular Frame (13) on the support (Main Beam Prophead or Combihead, End Support).
(Fig. 36)
4. Place support on the wall side and close the infill area with formlining provided by the contractor.

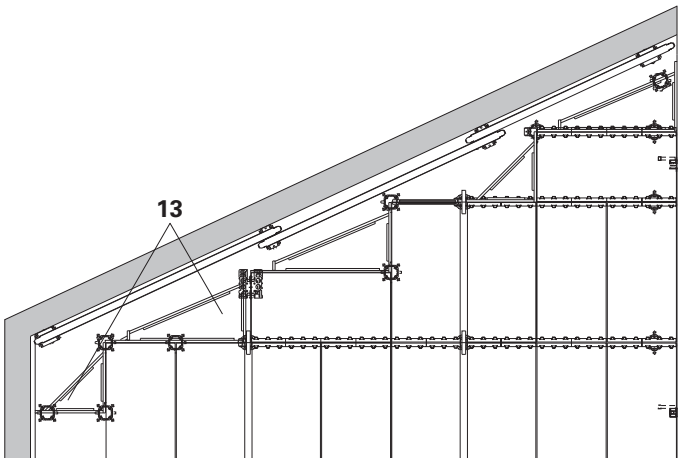


Fig. 36

A4 Infills

Combihead SCK

Use of longitudinal and transverse infills up to 25 cm.
The cantilever of the head plate is in longitudinal infills ≤ 19 cm, in transverse infills ≤ 12.5 cm.
The non-movable and non-twisting Combihead (7) is a secure support for:
– Main Beam SLT 225 (2),
– SLT 150 (2.5) (Fig. 37)
– Panel SDP (3) (Fig. 38)
– Edge Beam SRT (9) and Filler Timber SPH (11) or timber provided by the contractor with
  b = 3.8 - 8 cm and h = 9.8 cm
  (Fig. 39)
– End Support SSL (10) (Fig. 40)

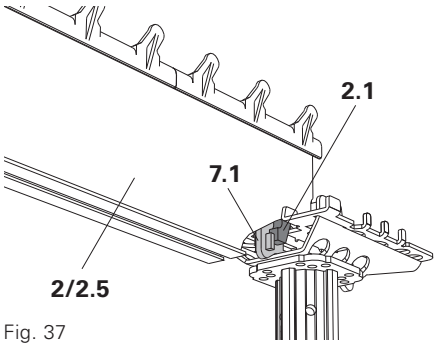
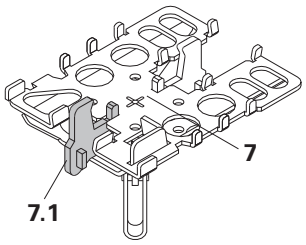


Fig. 37



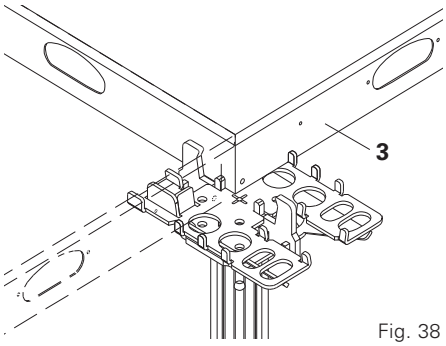


Fig. 38

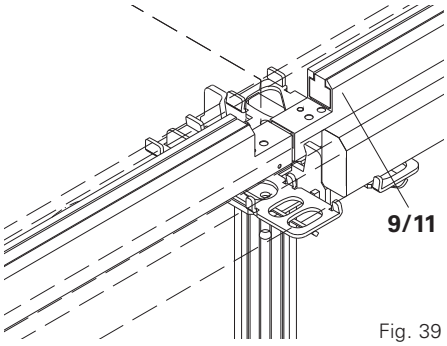


Fig. 39

Mounting the main beam
The Main Beam SLT must be mounted in the middle of the beam support of the SKYDECK heads. The Main Beam Connection (2.1) encloses the beam support of the head (7.1).

Exceptions
1. If the infill ≤ the cantilever, then turn the head plate by 90°.
2. If used with the end support, then turn the head plate by 180°.
3. If the cantilever goes under the cover strip, then turn the head plate by 90°.

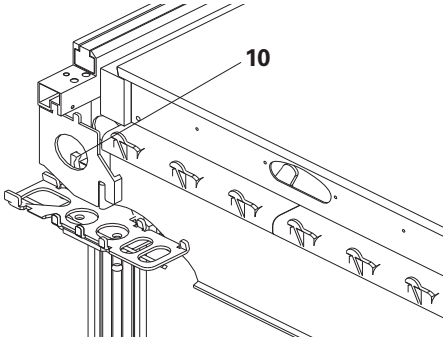


Fig. 40

Installation
The cantilever is pointing towards the wall. (Fig. 41)

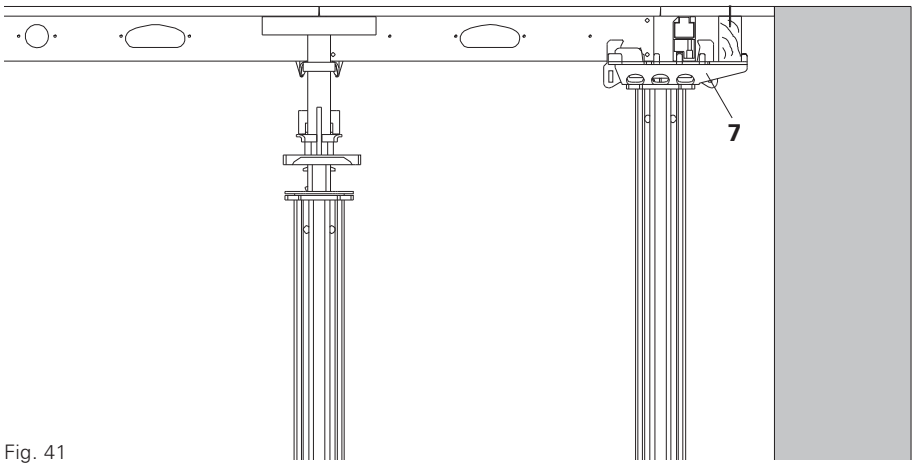


Fig. 41

A4 Infills

Longitudinal infills with Combihead SCK up to 1.50 m

(Fig. 42 - 47)

Secure filler plates with nails! Filler Timber SPH for slab thicknesses up to 50 cm. Edge Beam SRT for slab thicknesses > 50 cm.

System components for longitudinal and transverse infills:

- Drophead SFK (1) or Prophead SSK (6)
- Combihead SCK (7)
- securely nail on square-shaped timber (12) before element assembly.
- Edge Beam SRT (9) or Filler Timber SPH (11)
- End Support SSL (10)
- 21 mm formlining supplied by the contractor, additional prop with crosshead and formwork girder (15)
- Panel Wedge Clip SPKK (20)

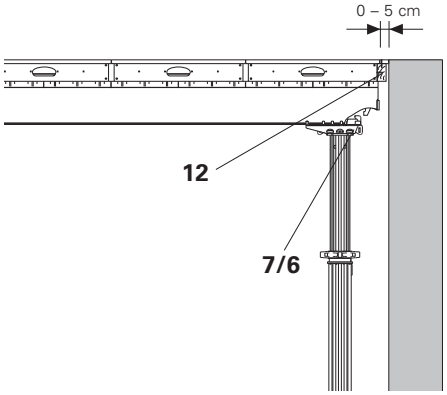


Fig. 42

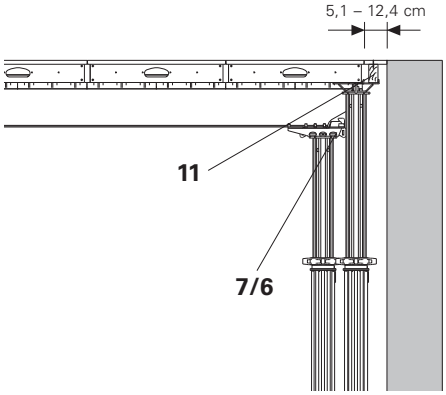


Fig. 43

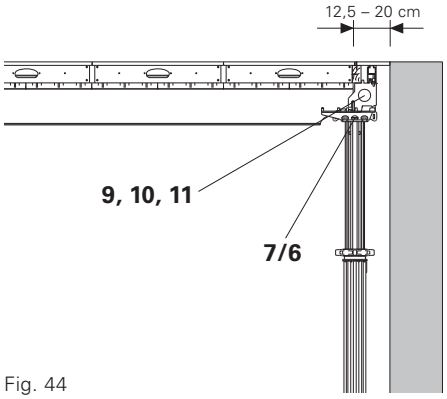


Fig. 44

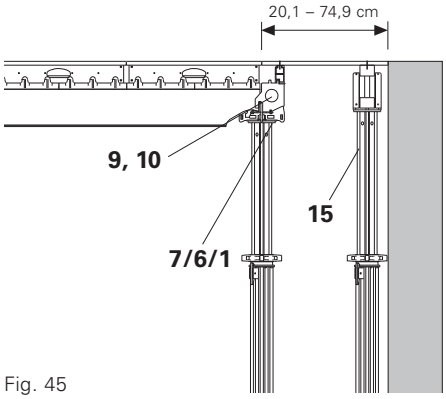


Fig. 45

**** Use of Edge Beam and filler timber:**

0 - 5 cm:	without
5.1 - 12.4 cm:	1 x Edge Beam SRT or Filler Timber SPH
12.5 - 24.9 cm:	1 x Edge Beam SRT + 1 x Filler Timber SPH or Edge Beam SRT

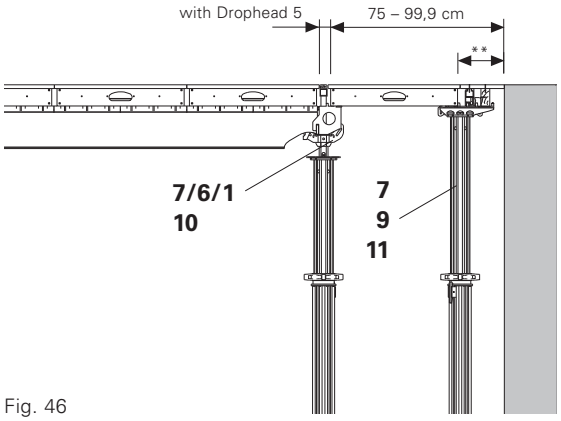


Fig. 46

Tip for Fig. 44
Mount End Support before assembling the beam and then pivot upwards together with the beam.

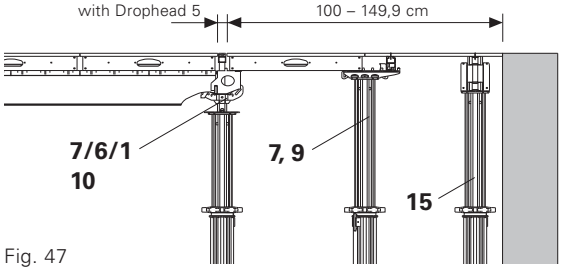


Fig. 47

A4 Infills

Transverse infill with Combihead SCK up to 1.50 m

(Fig. 48 - 53)

Secure filler plates with nails! Filler Timber SPH for slab thicknesses up to 50 cm. Edge Beam SRT for slab thicknesses > 50 cm.

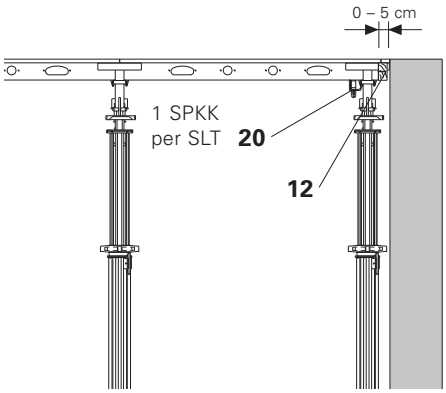


Fig. 48

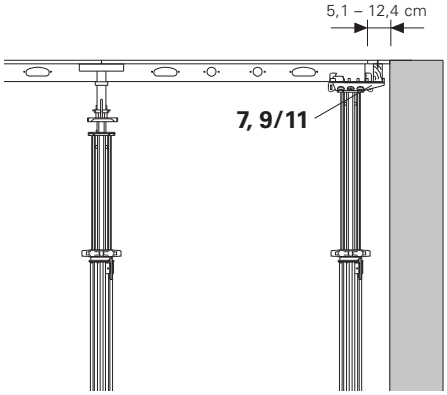


Fig. 49

**** Use of Edge Beam and filler timber:**

12.5 - 24 cm: 1 x Edge Beam SRT + 1 x Filler Timber SPH or Edge Beam SRT

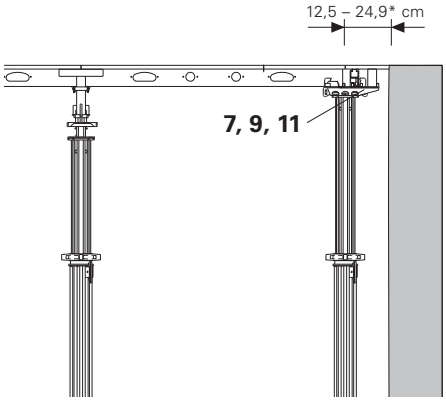


Fig. 50

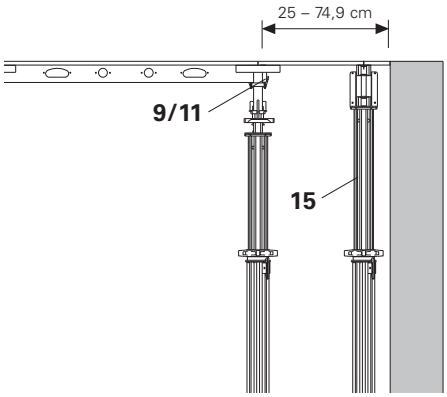


Fig. 51

**** Use of Edge Beam and filler timber:**

0 - 5 cm: without

5.1 - 12.4 cm: 1 x Edge Beam SRT or Filler Timber SPH

12.5 - 24.9 cm: 1 x Edge Beam SRT + 1 x Filler Timber SPH or Edge Beam SRT

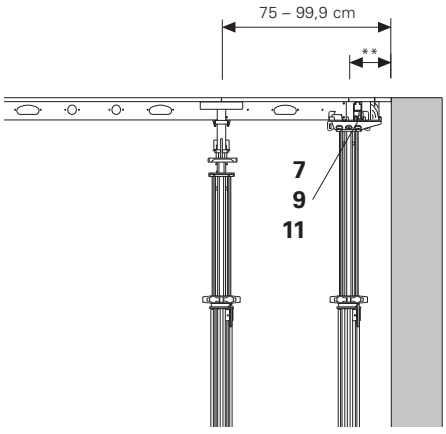


Fig. 52

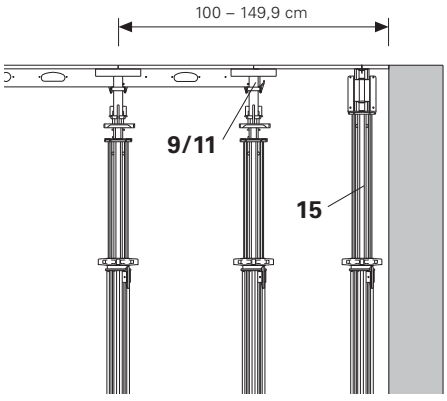


Fig. 53

A5 Shuttering around columns

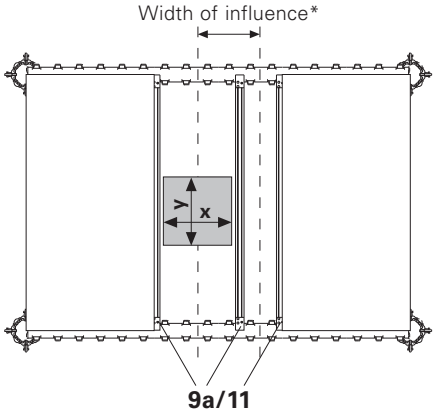
1 recessed panel

Maximum column dimensions
x = 55 cm, y = 138 cm.

Secure filler plates with nails!

Edge Beam SRT-2 150 (9a) or Filler Timber SPH 150 (11a).
During use, permissible loads must be observed (see Tables).

Observe the direction of span of the plywood.



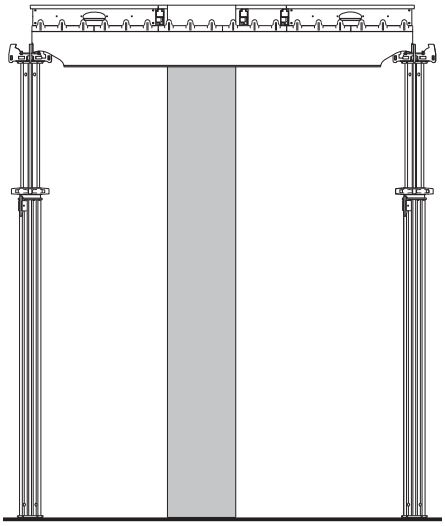


Fig. 54

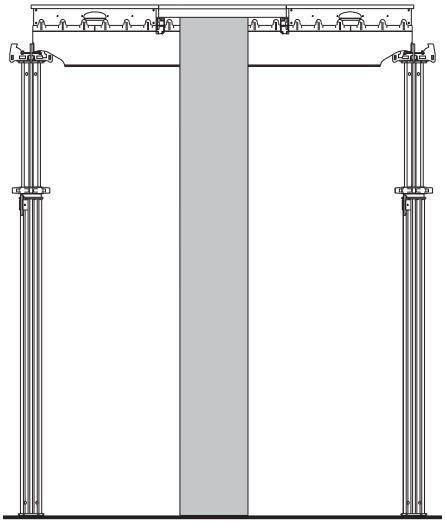
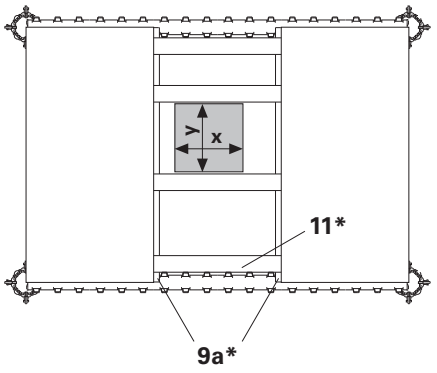


Fig. 55

Alternative:
Place filler timber or timber supplied by the contractor horizontally, d = 49 mm (11*).
Turn Edge Beam SRT 150-2 by 180° (9a*). (Fig. 55)
For formlining with 27 mm: d = 47 mm.



A5 Shuttering around columns

2 recessed panels

Maximum column dimensions
x = 65 cm, y = 138 cm.

Secure filler plates with nails!

Turn Edge Beam SRT-2 75 by 180° (9b*). Turn Edge Beam SRT-2 150 (9a) or Filler Timber SPH 150 (11a) Edge Beam SRT-2 150 by 180° (9a*).
(Fig. 56)

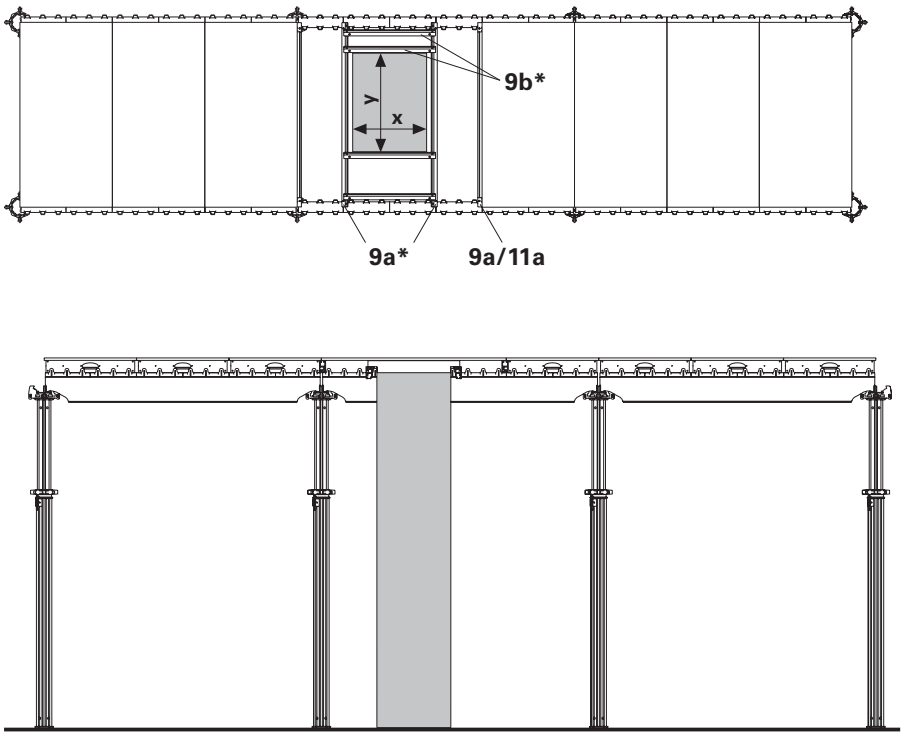


Fig. 56

Maximum column dimensions
x = 130 cm, y = 138 cm.

With y ≥ 80 cm, the laterally-positioned filler plates are provided with additional support.

With smaller cross-sections, form infill areas with Panel 37.5.
(Fig. 57)

Lay Filler Timber SPH 150 in a flat position (11a*).

Observe the direction of span of the plywood.

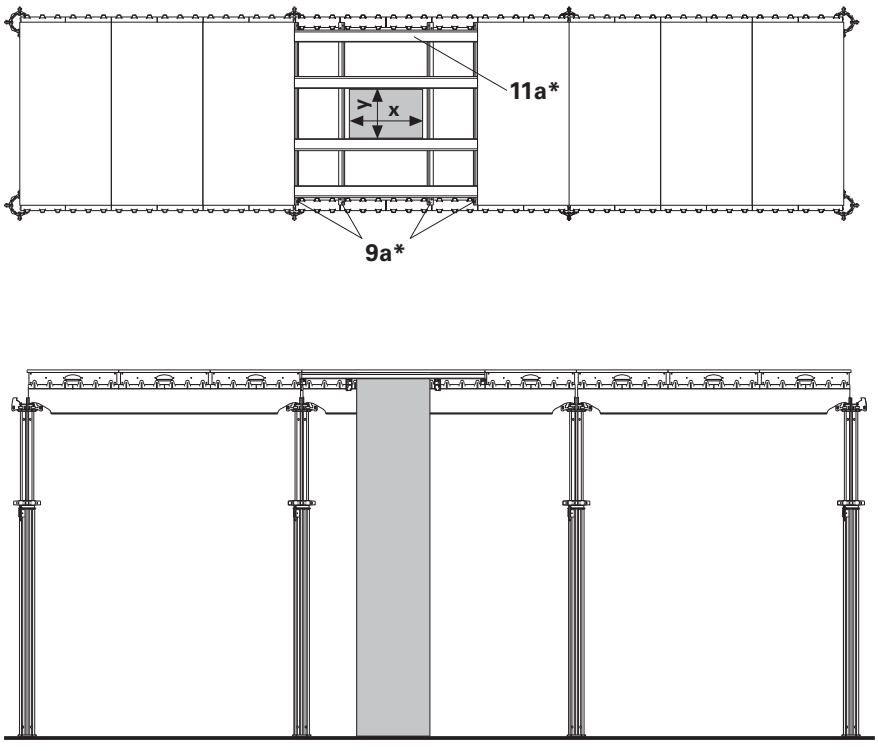


Fig. 57

A5 Shuttering around columns

3 recessed panels

Maximum column dimensions
x = 138 cm, y = 142 cm.

Secure filler plates with nails!

Turn Edge Beam SRT-2 150 by 180° (9a*).
Edge Beam SRT-2 150 (9a) or Filler Timber SPH (11a).
(Fig. 58)

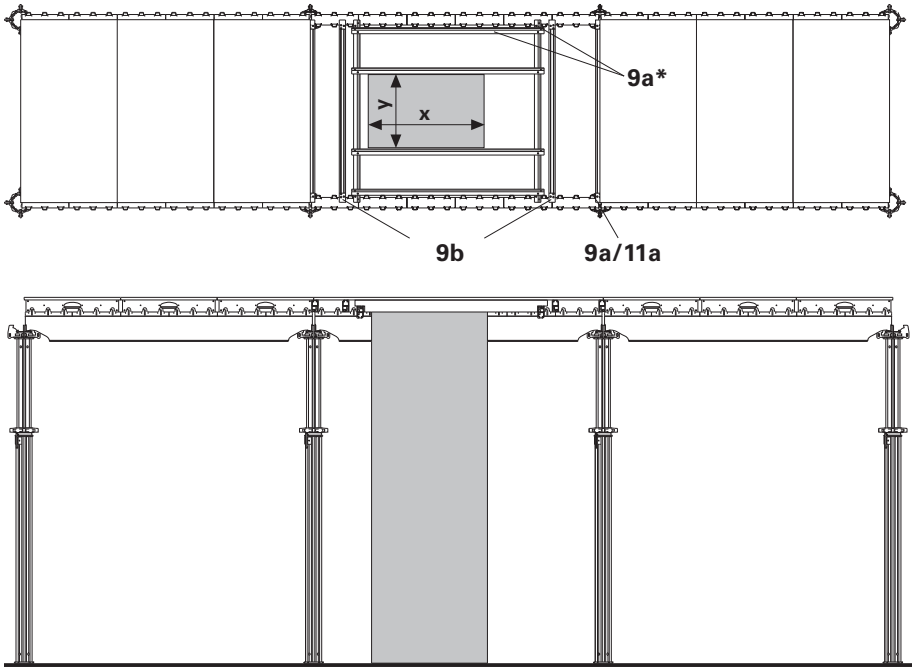


Fig. 58

Additional Edge Beam SRT-2 150 (9b) required with:

Slab thickness d [m]	Column side y [m]
≤ 0,20	no additional SRT
0,25	≤ 0,60
0,30	≤ 0,80
0,40	≤ 1,15

For other slab thicknesses, the values are interpolated linearly.

Observe the direction of span of the plywood.

A5 Shuttering around columns

Recessed main beams

Secure filler plates with nails!
****Secure Main Beam SLT props with tripods!**

Edge Beam SRT-2 150 (9a)
Prophead SSK (6)
End Support SSL (10)

Only used if moving the main beam axis is not required. (Fig. 59)

* additional formlining support depending on the situation.

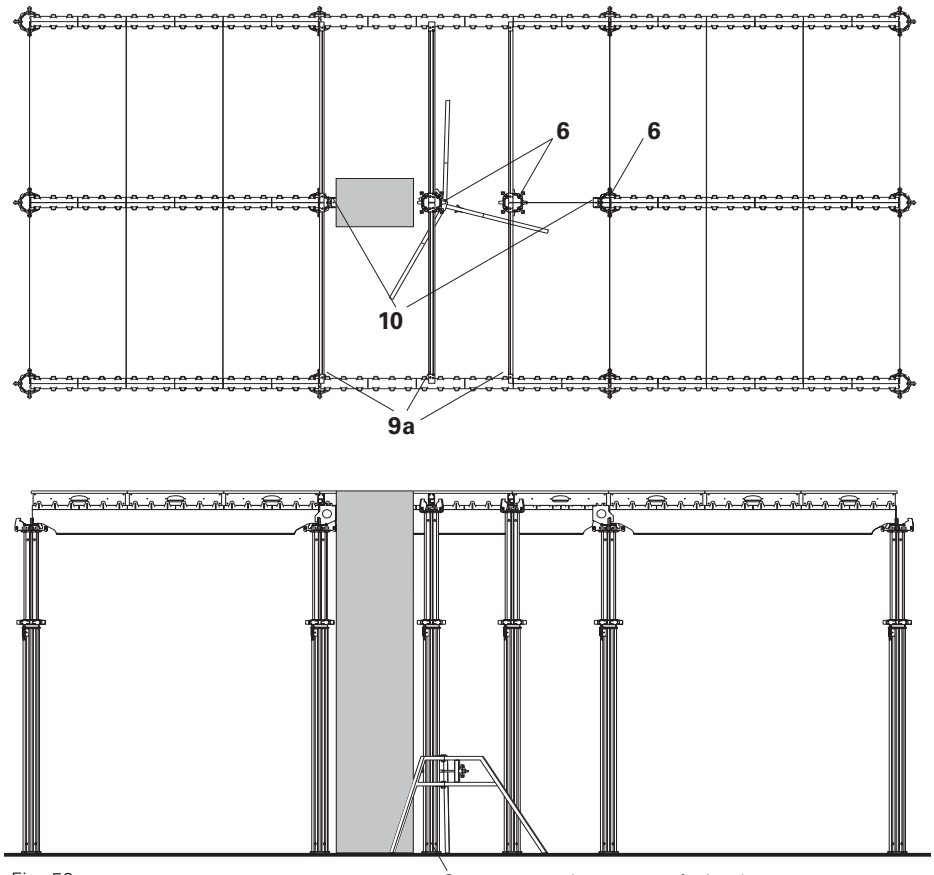


Fig. 59 Secure props by means of tripods.

Moving the main beam axis.
(Fig. 60)

Observe the direction of span of the plywood.

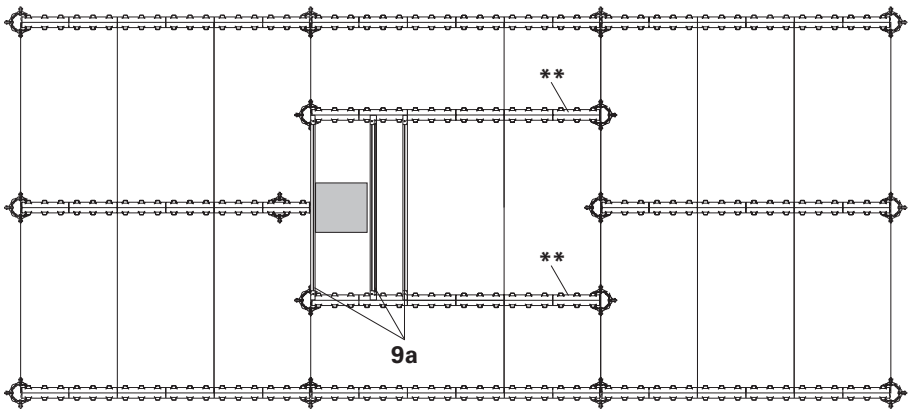


Fig. 60

A6 Guardrails

On open building edges

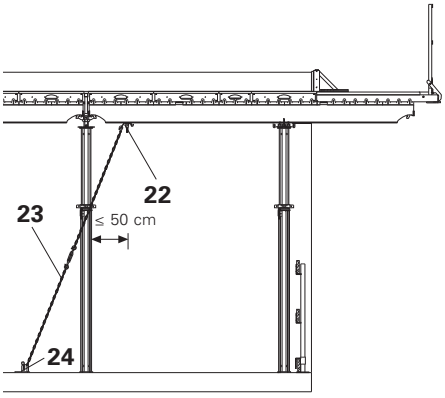
With SKYDECK Platforms SDB
– SDB 150 (16a)
– SDB 225 (16b)
– SDB 300 (16c)
(Fig. 61)

Take into consideration assembly instructions SKYDECK Platform and instructions for use SKYDECK Transportation Fork!

The platform is a prefabricated foldable scaffold platform for use as work and safety scaffold according to DIN 4420. Load Class 2 classification, permissible load of 150 kg/m². It secures the open buiding edges of the SKYDECK slab formwork.

When using SKYDECK platforms, no safety scaffold is required for the levels below.

Bracing is carried out using the following components:
– Tension Sleeve SAO (22)
– Formwork Chain (23)
– Base Plate RS (24)
(Item no. 028100)
with appropriate fixing material with additional oblique tension force ≥ 3 kN (e.g. Hilti dowel HKD-S M12 x 50).



View from below:
(Fig. 61a)
– End Support SSL (10)
– Timber supplied by contractor 70/40 x 700 mm (19)
– Panel Wedge Clip SPKK (20)

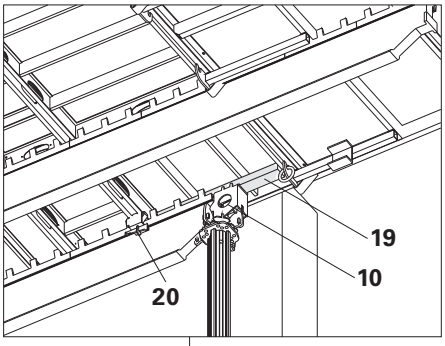


Fig. 61a

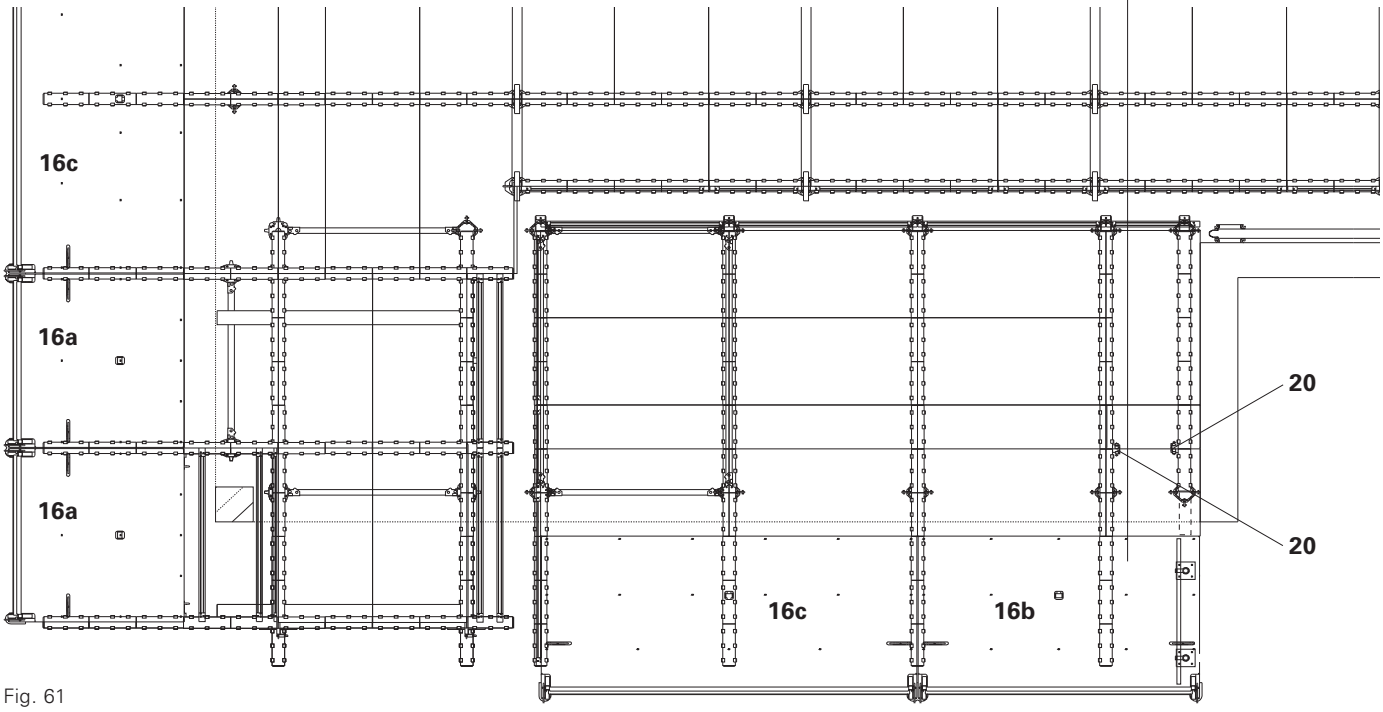


Fig. 61

A6 Guardrails

On a casting segment

With SKYDECK Guardrail Holder SGH and Guardrail post SGP

Assembly
1. Continuous mounting of guardrail holders (17) between the panels (spacing max. 1.55 m).
2. Mount on main beam after last panel.
3. Counter position the last outside guardrail holder (17.1).
(Fig. 62a)
4. Insert guardrail posts (18).
5. Insert guardrail boards and secure by nailing. (Fig. 62)

For example: casting segment/stop end.
For ensuring the tightness of the panel joints, the panels on the last main beam can be secured with Panel Wedge Clips SPKK (20).

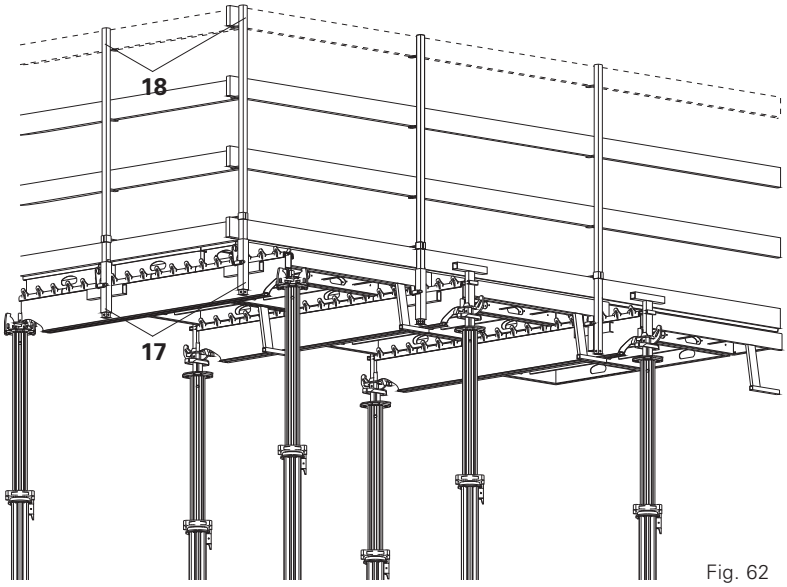


Fig. 62

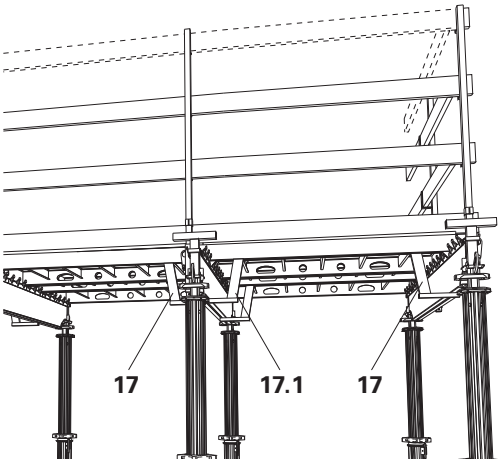
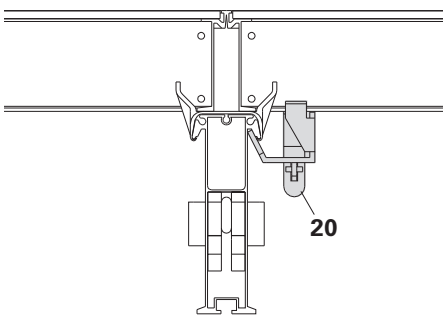
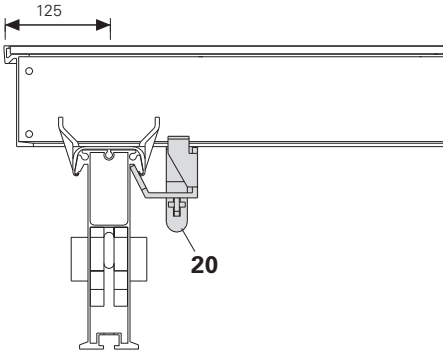


Fig. 62a

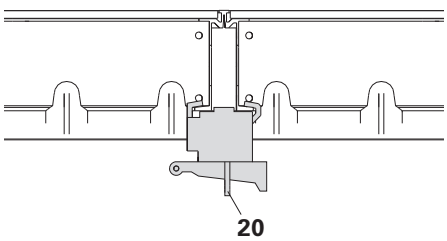
Panel Wedge Clip SPKK
Possible applications
1. Panel joint middle of main beam
Panel-panel connection



2. Overlapping panels
Panel-panel connection



Side view



A7 Striking

Setting times: see Tables!
Keep access ways free!

Dismantling takes place from a safe and secure position, e.g. with PERI Stripping Cart ASW 465.

Lowering
– Lower droipheads over large area.
– Release wedge by means of hammer whilst paying attention to direction of wedge.

Between the panel and slab underside there is approx. 6 cm clearance. (Fig. 63)

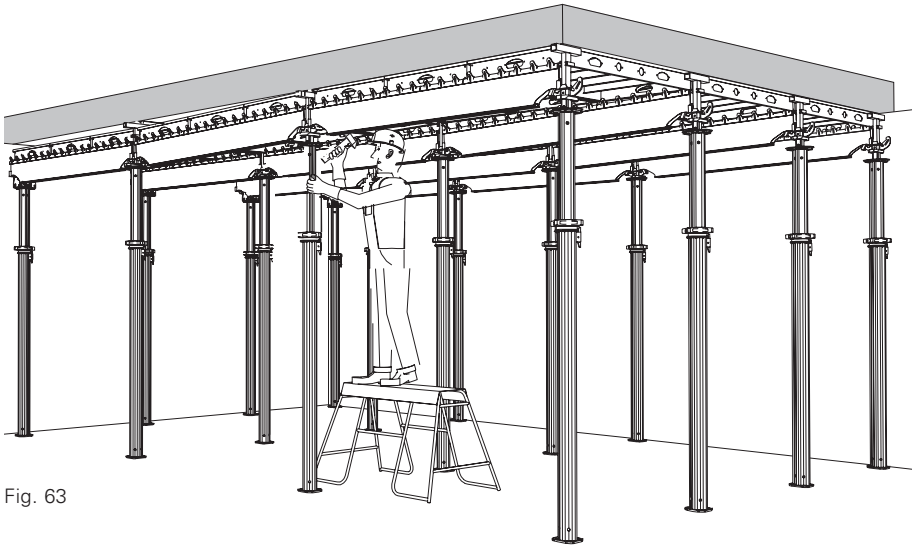


Fig. 63

Edge infills
Striking takes place firstly on the transverse infills and then the longitudinal infills.
– Remove props and store in pallets.
– Dismantle system supplements such as filler timbers, edge beams, end supports and combiheads, and store in pallets.
– Remove filler plates.
(Fig. 64)

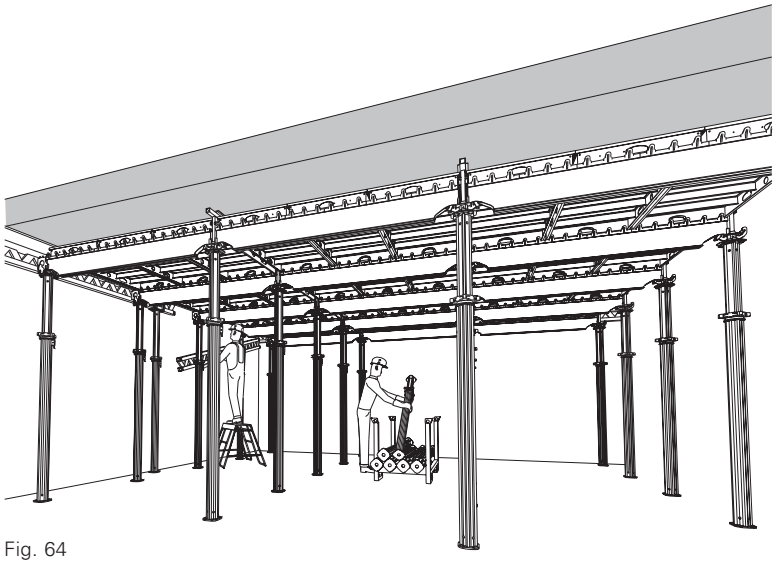


Fig. 64

A7 Striking

Panels
Always begin in the corner where both infills meet.

– Dismantle Panel SDP in one field after the other - begin with the middle panel.
– Lift panel and push approx. 10 cm in the direction of the free side. Pivot downwards and store in pallet.
(Fig. 65)

Main beam
– take down Main Beam SLT and store in pallet.
(Fig. 66)

Only drophead props (1) with Cover Strips SAL (4) remain standing.
(Fig. 67)

Remaining areas
– Remove props on walls and store in pallets.
– Remove filler areas around in-situ columns.

After reaching the required concrete strength
– lower drophead props, remove props and store in pallets.
– Remove Cover Strips SAL (4).

With larger spans, begin in the middle with lowering and removal of the props.

Cleaning
Clean SKYDECK components before the nerxt use and spray once again with PERI Bio Clean.
See A8.

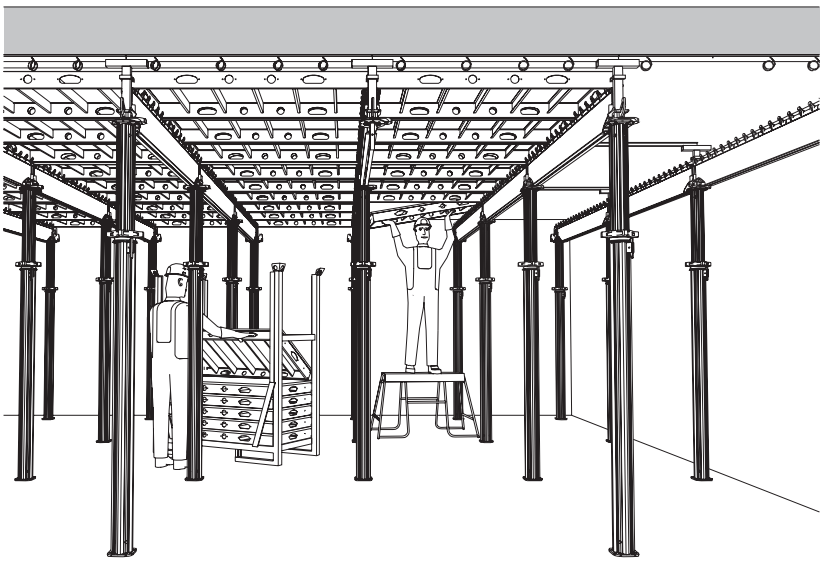


Fig. 65

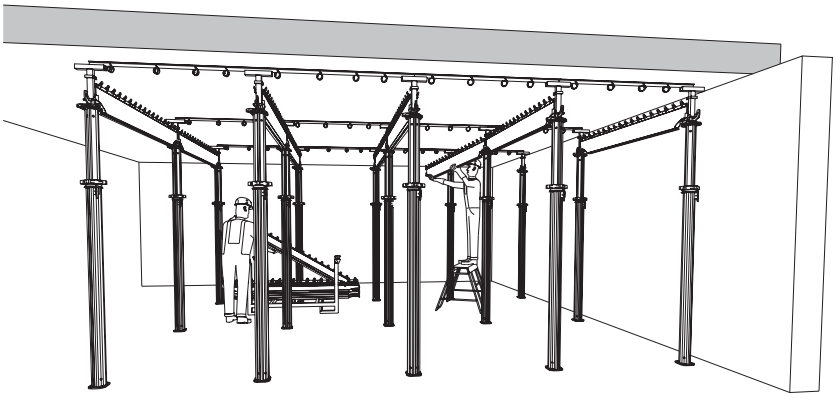


Fig. 66

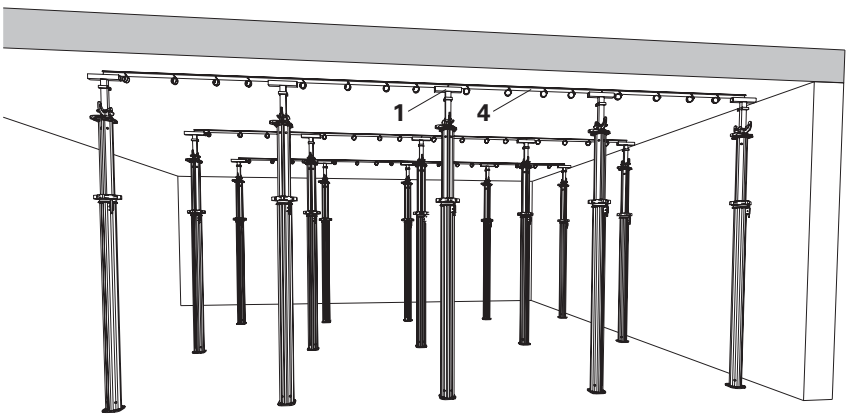


Fig. 67

A8 Maintenance and cleaning

In order to maintain the value and operational readiness of the SKYDECK slab formwork over a long time, ensure that the formwork is carefully handled at all times.

Maintenance tips

1. Concrete vibrator rubber end cap reduces the risk of damage to the formlining.
2. Spacers used for the reinforcement with large contact surfaces prevent impressions forming on the formlining.
3. When placing heavy itemson the formlining, use support timbers in order to prevent any impressions on and damage to the formlining surface.
4. Spray the components with PERI Bio Clean before every use and clean the rear of the formwork with water immediately after concreting.
(Fig. 70)
5. Spray moving parts, if required, with PERI Bio Clean.
6. For damage-free transportation, suitable PERI pallets and stacking devices are available.
(Fig. 68)

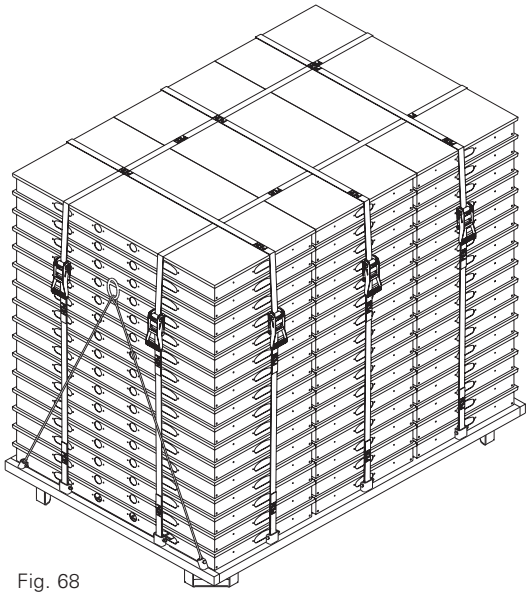


Fig. 68

Due to the powder coating, cleaning requirements are kept to a minimum. Panels and main beams are equipped with self-draining edges. They prevent the side areas from getting dirty and make cleaning easier.
(Fig. 69)

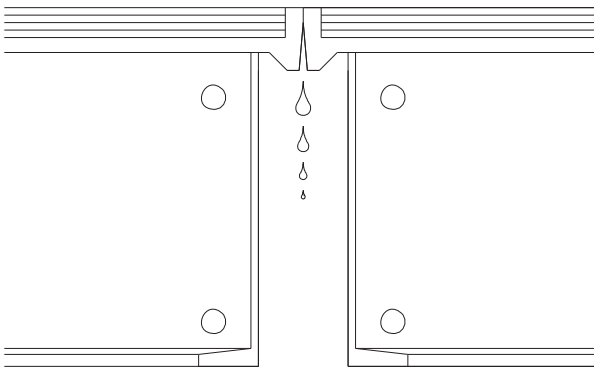


Fig. 69

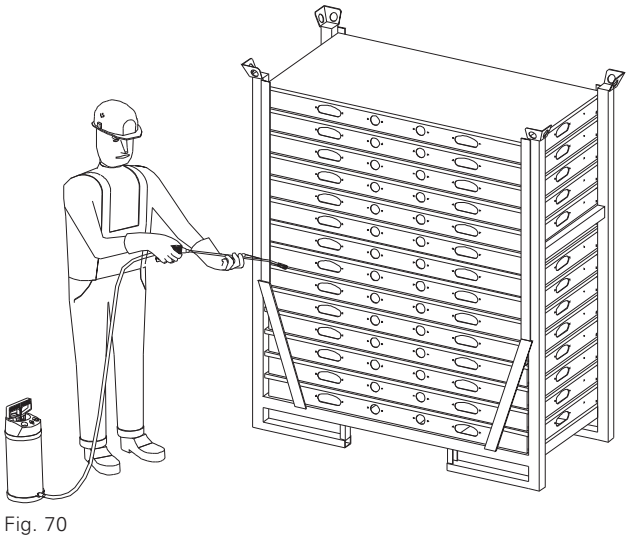
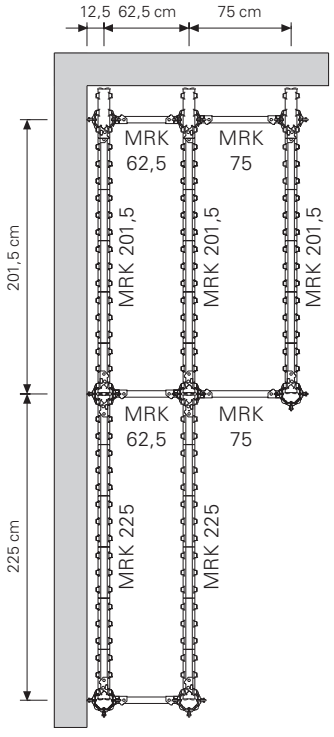


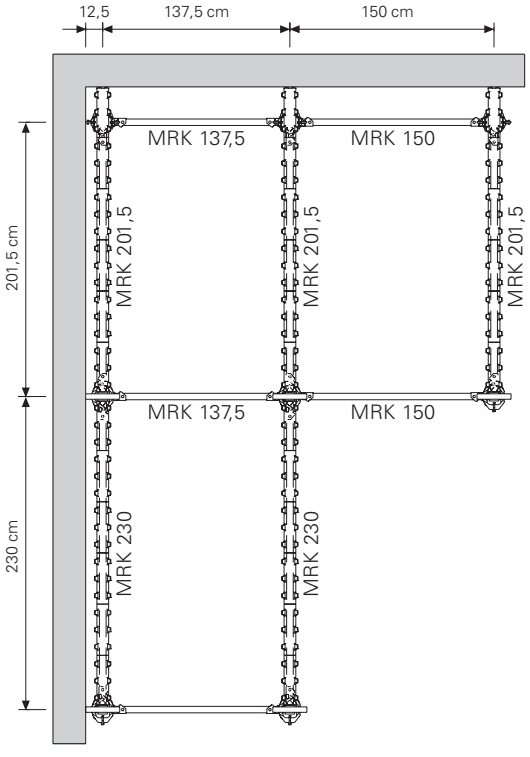
Fig. 70

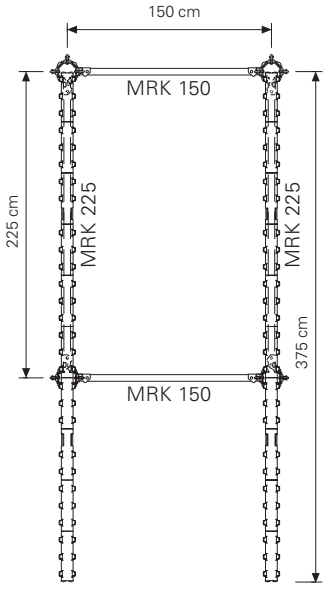
A9 System dimensions

Overview of the required MRK Frames with the use of MULTIPROP towers

MRK Frame	Item no.	SKYDECK system
62.5 steel	028390	– Inset beam at wall beginning with 75 cm panel span. – Inset prop at wall beginning with combihead.
75 steel	028400	– Panel span 75 cm.
137.5 steel	028380	– Inset beam at wall beginning with 150 cm panel span.
150 steel	028350	– Panel span 150 cm.
201.5 alu	028460	– Inset prop at wall beginning under SLT 225 with prophead or combihead.
225 alu	028360	– SLT 225 prophead or combihead. – Use of Cantilever Beam SLT 375 on prophead/ combihead or corner tables.
230 alu	028470	– SLT 225 on dropheads.







A10 Site record

Company: .....

Project: .....

Unit: .....

Corresponds to the requirements in accordance with DIN 4421.

This page is to be copied, filled out and filed in the daily construction records.

This replaces the statical proof according to DIN 4421 and the construction drawings for the ruled surface.

Slab thickness	= ..... cm
Clear room height	= ..... m
Prop length = clear room height - formwork assembly height (43 cm) (with drophead: 41 cm)	= ..... m
Max. panel span	= ..... cm
Selected prop	= .....
Available prop load (according to PERI Tables)	= ..... kN ≤ perm. prop load (according to PERI Tables) = ... kN

Check to be carried out on the construction site before concreting

Check whether above assumptions and/or specifications apply on the construction site

Slab thickness	= ..... cm
Max. panel span	= ..... cm
Selected prop	= .....
Prop length	= ..... m

All props in both axes in a vertical position? ≤ 1%	yes ☐
Horizontal support for the formwork available in all directions?	yes ☐
Mounted parts are obviously undamaged?	yes ☐
Required bracing has been mounted?	yes ☐

Town | Date | Site manager (Signature)

With Drophead SFK

Slab Thickness d [m]	Load q* [kN/m²]	Main Beam SLT 225								Main Beam SLT 150							
		Panel Span **c** 1.50 m				Panel Span **c** 0.75 m				Panel Span **c** 1.50 m				Panel Span **c** 0.75 m			
		Prop Load [kN]		Deflection Line**		Prop Load [kN]		Deflection Line**		Prop Load [kN]		Deflection Line**		Prop Load [kN]		Deflection Line**	
			with centre support SSK		with centre support SSK		with centre support SSK		with centre support SSK		with centre support SSK		with centre support SSK		with centre support SSK		with centre support SSK
0.14	5.19	17.9		7		9.0		7		12.1		7					
0.16	5.71	19.7		7		9.8		7		13.3		7					
0.18	6.23	21.5		7		10.7		7		14.5		7					
0.20	6.75	23.3		7		11.6		7		15.7		7					
0.22	7.27	25.1		7		12.5		7		16.9		7					
0.24	7.79	26.9		7		13.4		7		18.1		7					
0.26	8.31	28.7		7		14.3		7		19.3		7					
0.28	8.83	30.5		7		15.2		7		20.5		7					
0.30	9.40	32.4	17.8	7	7	16.2		7		21.9		7					
0.35	10.94	37.7	20.8	6	7	18.9		7		25.4		7					
0.40	12.47	43.0	23.7	6	6	21.5		7		29.0		6					
0.45	14.01		26.6		6	24.2		7		32.6		6					
0.48	14.93		28.3		6	25.7		7		34.7		6					
0.50	15.54					26.8		7						18.1		7	
0.55	17.07					29.5		7						19.8		7	
0.60	18.61					32.1	19.3	7	7					21.6		7	
0.65	20.14					34.7	20.8	6	7					23.4		7	
0.70	21.68					37.4	22.4	6	7					25.2		7	
0.75	23.21					40.0	24.0	6	7					27.0		7	
0.80	24.74					42.7	25.6	6	7					28.8		7	
0.85	26.28						27.2		7					30.5		6	
0.90	27.81						28.8		7					32.3		6	
0.95	29.35						30.4		6					34.1		6	

***Load according to DIN 4421:**

Dead load g = 0.20 kN/m²

Concrete load b = 26 kN/m³ x d (m)

Live load p = 0.20 x b
1.5 ≤ p ≤ 5.0 kN/m²

Total load q = g + b + 0.9 x p

**Deflection according to DIN 18202, assuming perfect levelling.

When calculating the prop load, the actual extension length may be used. The exact extension length of the prop when using the SKYDECK Drophead is: actual height **minus** 0.41 m.
With a prop load of over **33.3 kN, bolting** on the Drophead (2 bolts M 12x40 mm Mu DIN 601) can only be omitted when using MULTIPROP props.

With Prophead SSK

Slab Thickness d [m]	Load q* [kN/m²]	Main Beam SLT 225								Main Beam SLT 150							
		Panel Span **c** 1.50 m				Panel Span **c** 0.75 m				Panel Span **c** 1.50 m				Panel Span **c** 0.75 m			
		Prop Load [kN]		Deflection Line**		Prop Load [kN]		Deflection Line**		Prop Load [kN]		Deflection Line**		Prop Load [kN]		Deflection Line**	
			with centre support SSK		with centre support SSK		with centre support SSK		with centre support SSK		with centre support SSK		with centre support SSK		with centre support SSK		with centre support SSK
0.14	5.19	17.5		7		8.8		7		11.7		7					
0.16	5.71	19.3		7		9.6		7		12.8		7					
0.18	6.23	21.0		7		10.5		7		14.0		7					
0.20	6.75	22.8		7		11.4		7		15.2		7					
0.22	7.27	24.5		7		12.3		7		16.4		7					
0.24	7.79	26.3		7		13.1		7		17.5		7					
0.26	8.31	28.0		7		14.0		7		18.7		7					
0.28	8.83	29.8		7		14.9		7		19.9		7					
0.30	9.40	31.7	17.8	7	7	15.9		7		21.2		7					
0.35	10.94	36.9	20.7	6	7	18.5		7		24.6		7					
0.40	12.47	42.1	23.6	6	6	21.0		7		28.1		6					
0.45	14.01		26.5		6	23.6		7		31.5		6					
0.50	15.54		29.4		6	26.2		7		35.0		6					
0.51	15.85		30.0		6	26.7		7		35.7		6					
0.55	17.07					28.8		7						19.2		7	
0.60	18.61					31.4	19.2	7	7					20.9		7	
0.65	20.14					34.0	20.7	6	7					22.7		7	
0.70	21.68					36.6	22.3	6	7					24.4		7	
0.75	23.21					39.2	23.9	6	7					26.1		7	
0.80	24.74					41.8	25.5	6	7					27.8		7	
0.85	26.28						27.0		7					29.6		6	
0.90	27.81						28.6		7					31.3		6	
0.95	29.35						30.2		6					33.0		6	

*__Load according to DIN 4421:__

Dead load g = 0.20 kN/m²

Concrete load b = 26 kN/m³ x d (m)

Live load p = 0.20 x b
1.5 ≤ p ≤ 5.0 kN/m²

Total load q = g + b + 0.9 x p

**Deflection according to DIN 18202, assuming perfect levelling.

When calculating the prop load, the actual extension length may be used. The exact extension length of the prop when using the SKYDECK Prophead is: actual height **minus** 0.33 m.

Panel System, Striking Time Guidelines

Panel System

Slab Thickness d [m]	Load q* [kN/m²]	Prop Load [kN]	** Tolerances to DIN 18202, Line
0,14	5,19	5,8	7
0,16	5,71	6,4	7
0,18	6,23	7,0	7
0,20	6,75	7,6	7
0,22	7,27	8,2	7
0,24	7,79	8,8	7
0,26	8,31	9,3	7
0,28	8,83	9,9	7
0,30	9,40	10,6	7
0,35	10,94	12,3	7
0,40	12,47	14,0	6
0,45	14,01	15,8	6
0,48	14,93	16,8	6
0,50	15,54	17,5	6
0,51	15,85	17,8	6

***Load according to DIN 4421:**

Dead load $g = 0{,}20$ kN/m²

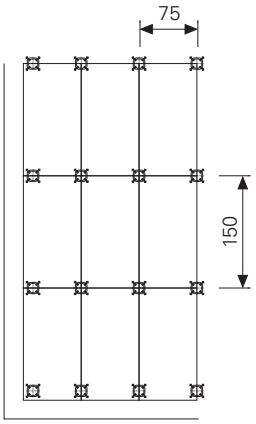
Concrete load $b = 26$ kN/m³ x d (m)

Live load $p = 0{,}20 \times b$

$1{,}5 \leq p \leq 5{,}0$ kN/m²

Total load $q = g + b + 0{,}9 \times p$

** Tolerances to DIN 18202.
Assuming perfect levelling.



Striking Time Guidelines* [Days] for Drophead System.

Slab Thickness d [m]	Required Concrete Strength f_{ck} [N/mm²]	*Guide values for striking time [days] for Panels and Main Beams at average curing temperature [°C] of		
		5°	10°	20°
0,14	15	10	6	5
0,16	13	8	5	4
0,18	11	6	4	3
0,20	9	5	3	2
0,22	8	4	3	2
0,25	7	4	2	2
0,30	6	3	2	2
0,35	5	3	2	1
0,40 – 0,95	5	2	1	1

The necessary concrete strength at the time of striking is decisive. This is to be calculated by suitable methods.
Account must also be taken of DIN 1045, e.g. curing.
At least 1.31 cm²/m (Q 131) is necessary for the bottom reinforcement layer. For systems without centre support of the main beams.
A live load of 1 kN/m² is taken into account for the early struck slab.
*Guide values according to Leonhard for cement Z 35, CEM I 32.5 R.

Fillers, forming around columns

Perm. Width B [m] of the Filler

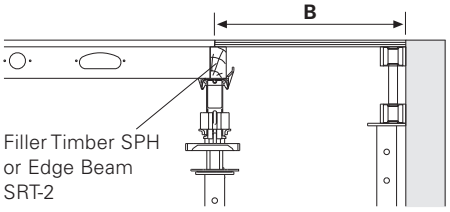
Slab Thickness d [m]	Case 1 Fin-Ply 21 mm Spruce 21 mm Beto 21 mm	Case 2 Fin-Ply 21 mm Spruce 21 mm Beto 21 mm
0,14	0,77	0,85
0,16	0,75	0,82
0,18	0,72	0,80
0,20	0,70	0,78
0,22	0,69	0,76
0,24	0,67	0,75
0,26	0,66	0,73
0,28	0,64	0,72
0,30	0,63	0,71
0,35	0,61	0,69
0,40	0,59	0,67
0,45	0,57	0,65
0,50	0,56	0,64
0,51	0,55	0,63
0,55	0,53	0,62
0,60	0,51	0,60
0,65	0,50	0,59
0,70	0,49	0,58
0,75	0,48	0,57
0,80	0,47	0,56
0,85	0,46	0,55
0,90	0,45	0,54
0,95	0,44	0,53

Note:
Deflection single span beam B/300.

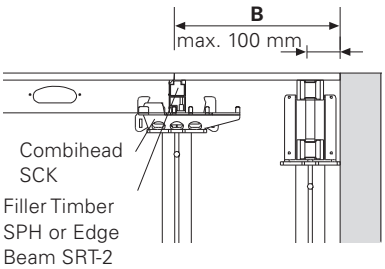
Perm. width of influence E_B [m] when forming around columns

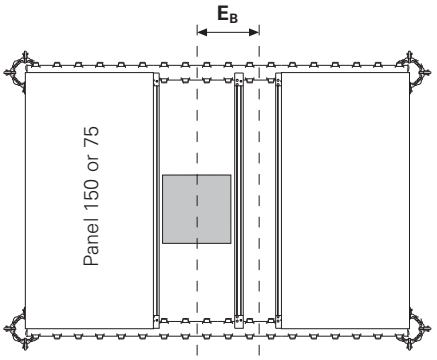
Slab Thickness d [m]	Panel 150 L/500 = 30 mm SRT-2	 SPH	Panel 75 L/500 = 15 mm SRT-2	 SPH
0,14	1,08	0,38		
0,16	0,95	0,33		
0,18	0,85	0,30		
0,20	0,77	0,27		
0,22	0,70	0,25		
0,24	0,64	0,23		
0,26	0,60	0,21		
0,28	0,55	0,19		
0,30	0,52	0,18		
0,35	0,45	0,16		
0,40	0,39	0,14	1,71	0,51
0,45	0,35	0,12	1,52	0,46
0,48	0,33	0,11	1,43	0,43
0,50	0,31	0,11	1,37	0,41
0,55			1,25	0,37
0,60			1,15	0,34
0,65			1,06	0,32
0,70			0,98	0,30
0,75			0,92	0,28
0,80			0,86	0,26
0,85			0,81	0,24
0,90			0,77	0,23
0,95			0,73	0,22

Case 1



Case 2

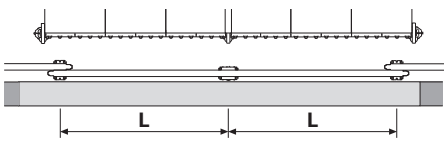




Perm. Span L [m] of the Edge Main Girders

Girders used	Slab Thickness [m]						
	0,20	0,30	0,40	0,50	0,60	0,70	0,80
GT 24	3,51	3,15	2,88	2,68	2,52	2,40	2,29
VT 20	2,85	2,56	2,34	2,18	2,05	1,91	1,67
KH 10/16	2,64	2,37	2,17	2,02	1,90	1,81	1,73

Width of influence for 40 cm plywood



PEP 20

Permissible Prop Load [kN] according to the Type Test

Extension Length [m]	PEP 20 N 260* L = 1.51 – 2.60 m		**PEP 20 – 300** PEP 20 N 300* L = 1.71 – 3.00 m		**PEP 20 – 350** PEP 20 N 350* L = 1.96 – 3.50 m		**PEP 20 – 400** PEP 20 G 410* L = 2.21 – 4.00 m		**PEP 20 – 500** L = 2.71 – 5.00	
	Outer Tube Bottom	Inner Tube Bottom	Outer Tube Bottom	Inner Tube Bottom	Outer Tube Bottom	Inner Tube Bottom	Outer Tube Bottom	Inner Tube Bottom	Outer Tube Bottom	Inner Tube Bottom
1.60	35.0	35.0								
1.70	35.0	35.0								
1.80	35.0	35.0	35.0	35.0						
1.90	35.0	35.0	35.0	35.0						
2.00	33.5	35.0	35.0	35.0	35.0	35.0				
2.10	31.9	35.0	32.2	35.0	35.0	35.0				
2.20	30.9	35.0	30.5	35.0	35.0	35.0				
2.30	29.8	35.0	29.0	35.0	35.0	35.0	35.0	35.0		
2.40	28.6	35.0	27.8	35.0	35.0	35.0	35.0	35.0		
2.50	27.1	32.9	26.9	35.0	35.0	35.0	35.0	35.0		
2.60	24.8	29.4	26.1	35.0	33.8	35.0	35.0	35.0		
2.70			24.9	31.7	32.4	35.0	35.0	35.0		
2.80			23.3	28.5	31.2	35.0	35.0	35.0	35.0	35.0
2.90			21.6	25.7	30.2	35.0	35.0	35.0	35.0	35.0
3.00			20.0	23.2	29.2	35.0	35.0	35.0	35.0	35.0
3.10					27.5	34.6	33.6	35.0	35.0	35.0
3.20					25.7	31.5	32.5	35.0	35.0	35.0
3.30					24.1	28.8	31.2	35.0	35.0	35.0
3.40					22.4	26.4	29.6	35.0	35.0	35.0
3.50					20.7	24.1	27.8	33.9	35.0	35.0
3.60							26.1	31.2	35.0	35.0
3.70							24.5	28.9	35.0	35.0
3.80							23.0	26.8	35.0	35.0
3.90							21.6	24.8	35.0	35.0
4.00							20.1	22.8	34.2	35.0
4.10									32.3	35.0
4.20									30.6	35.0
4.30									28.9	34.0
4.40									27.4	31.9
4.50									26.0	29.9
4.60									24.6	28.1
4.70									23.4	26.4
4.80									22.1	24.9
4.90									20.9	23.4
5.00									20.0	21.8

All PEP 20 Props conform with DIN EN 1065 class D with a permissible load for the entire extension range of minimum 20 kN.

All PEP 20 Props clamped in the Table Swivel Head or UNIPORTAL Head fitted to PERI tableforms have a permissible load of minimum 30 kN over the entire extension range.

*For the N and G Props the application Inner Tube at Bottom is only possible with PERI Slab Tables or SKYDECK (bolted head).

PEP 30

Permissible Prop Load [kN] according to the Type Test

Extension Length [m]	**PEP 30 – 150** L = 0.96 – 1.50 m		**PEP 30 – 250** L = 1.46 – 2.50 m		**PEP 30 – 300** PEP 30 G 300* L = 1.71 – 3.00 m		**PEP 30 – 350** PEP 30 G 350* L = 1.96 – 3.50 m		**PEP 30 – 400** L = 2.21 – 4.00 m	
	Outer Tube Bottom	Inner Tube Bottom	Outer Tube Bottom	Inner Tube Bottom	Outer Tube Bottom	Inner Tube Bottom	Outer Tube Bottom	Inner Tube Bottom	Outer Tube Bottom	Inner Tube Bottom
1.00	35.0	35.0								
1.10	35.0	35.0								
1.20	35.0	35.0								
1.30	34.9	35.0								
1.40	34.2	35.0								
1.50	33.5	35.0	40.0	40.0						
1.60			40.0	40.0						
1.70			40.0	40.0						
1.80			40.0	40.0	40.0	40.0				
1.90			38.5	40.0	40.0	40.0				
2.00			36.8	40.0	40.0	40.0	40.0	40.0		
2.10			35.3	40.0	40.0	40.0	40.0	40.0		
2.20			34.4	40.0	40.0	40.0	40.0	40.0		
2.30			33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2.40			32.1	37.6	40.0	40.0	40.0	40.0	40.0	40.0
2.50			30.1	34.8	39.9	40.0	40.0	40.0	40.0	40.0
2.60					38.8	40.0	40.0	40.0	40.0	40.0
2.70					37.4	40.0	40.0	40.0	40.0	40.0
2.80					35.8	40.0	40.0	40.0	40.0	40.0
2.90					33.2	37.2	40.0	40.0	40.0	40.0
3.00					30.4	33.8	40.0	40.0	40.0	40.0
3.10							40.0	40.0	40.0	40.0
3.20							37.6	40.0	40.0	40.0
3.30							35.0	37.6	40.0	40.0
3.40							32.3	34.6	40.0	40.0
3.50							30.0	31.6	40.0	40.0
3.60									40.0	40.0
3.70									40.0	40.0
3.80									37.4	40.0
3.90									34.8	37.0
4.00									32.2	33.9

All PEP 30 Props conform with DIN EN 1065 class E with a permissible load for the entire extension range of minimum 30 kN.

All PEP 30 Props clamped in the Table Swivel Head or UNIPORTAL Head fitted to PERI tableforms have a permissible load of minimum 40 kN (PEP 30-150 = 35 kN) over the entire extension range.

*For the N and G Props the application Inner Tube at Bottom is only possible with PERI Slab Tables or SKYDECK (bolted head).

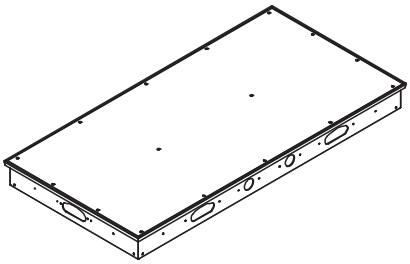
MULTIPROP 250, 350, 480, 625

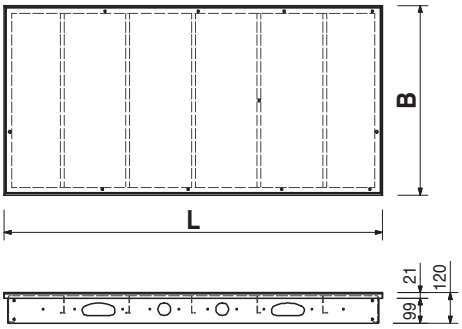
Permissible Prop Load [kN] according to the Type Test

Extension Length [m]	MP 250 L = 1.45 – 2.50 m		MP 350 L = 1.95 – 3.50 m		MP 480 L = 2.60 – 4.80 m		MP 625 L = 4.30 – 6.25 m	
	Outer Tube Bottom	Inner Tube Bottom	Outer Tube Bottom	Inner Tube Bottom	Outer Tube Bottom	Inner Tube Bottom	Outer Tube Bottom	Inner Tube Bottom
1.45	73.3	76.2						
1.50	73.3	76.2						
1.60	73.3	76.2						
1.70	73.3	76.2						
1.80	71.7	76.2						
1.90	68.6	76.2						
1.95	67.0	76.2	88.3	87.4				
2.00	65.4	76.2	88.3	87.4				
2.10	63.8	74.6	83.0	87.4				
2.20	62.2	73.0	77.7	87.4				
2.30	61.1	70.5	72.9	86.6				
2.40	60.6	67.0	68.6	85.1				
2.50	60.0	63.6	64.4	83.5				
2.60			61.9	80.7	85.9	71.4		
2.70			59.3	77.8	81.2	71.1		
2.80			57.5	74.9	76.5	70.8		
2.90			55.7	71.9	71.8	70.4		
3.00			54.3	68.3	67.1	70.1		
3.10			52.9	64.6	63.0	69.4		
3.20			51.4	60.0	58.9	68.6		
3.30			49.8	55.4	54.8	67.9		
3.40			46.4	50.3	52.5	66.2		
3.50			42.9	45.1	50.2	64.5		
3.60					47.9	62.8		
3.70					46.0	58.6		
3.80					44.2	54.4		
3.90					42.3	50.2		
4.00					40.4	46.9		
4.10					38.5	43.7		
4.20					36.6	40.4		
4.30					34.8	38.2	56.2	44.6
4.40					32.9	36.0	54.7	44.6
4.50					31.1	33.7	53.1	44.6
4.60					29.3	31.5	50.9	43.8
4.70					27.4	29.3	48.8	43.0
4.80					25.6	27.1	46.4	42.1
4.90							43.8	41.2
5.00							41.2	40.3
5.10	**MULTIPROPs are classified according to offical approval as follows:** MP 250 = Class T 25 MP 480 = Class D 45 MP 350 = Class R 35 MP 625 = Class D 60 **Note:** We recommend using the HD Wingnut Spanner, Item no. 022027, to release the loads > 60 kN. MULTIPROP 350 and 480 clamped in the Table Swivel Head or UNIPORTAL Head fitted to PERI tableforms have a permissible load of minimum 56 kN for the MP 350, and minimum of 36 kN for the MP 480 over the entire extension range.						38.6	38.8
5.20							36.1	37.3
5.30							33.8	35.9
5.40							31.9	34.5
5.50							29.9	33.1
5.60							28.4	31.6
5.70							26.9	30.1
5.80							25.5	28.6
5.90							24.3	27.0
6.00							23.1	25.4
6.10							22.0	24.1
6.20							20.9	22.8
6.25							20.4	22.1

Item no.	Weight kg		L	B
		Panel SDP		
061000	15,500	**Panel SDP 150 x 75**	1500	750
061011	11,700	**Panel SDP 150 x 50**	1500	500
061020	9,780	**Panel SDP 150 x 37.5**	1500	375
061010	8,560	**Panel SDP 75 x 75**	750	750
061013	6,350	**Panel SDP 75 x 50**	750	500
061030	5,250	**Panel SDP 75 x 37.5**	750	375

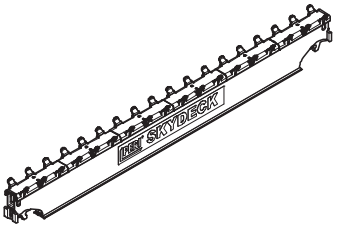
Panel with 9 mm formlining.

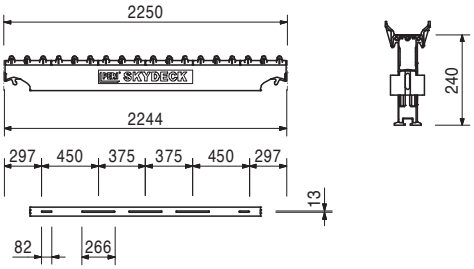




061100 15,500 **Main Beam SLT 225**

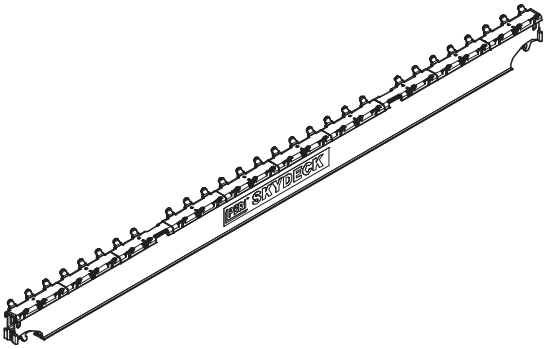
For standard fields.

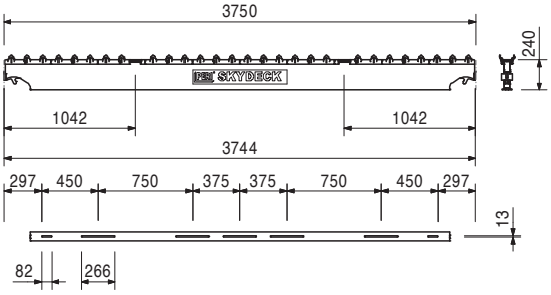




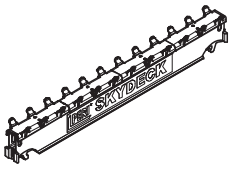
061160 25,500 **Main Beam SLT 375**

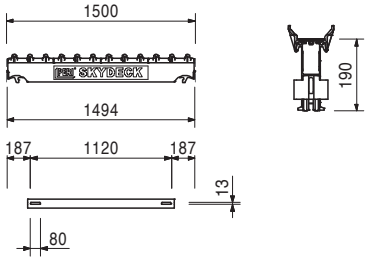
For cantilevers.





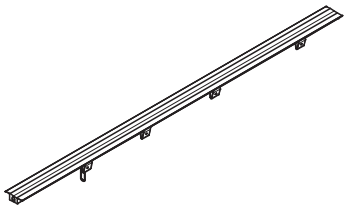
Item no.	Weight kg	
061110	9,690	**Main Beam SLT 150** For filler areas.

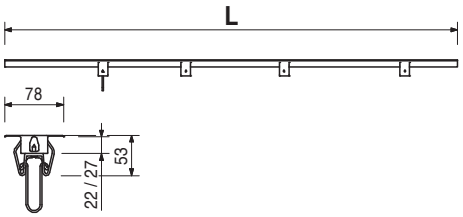




			L
		Cover Strip SAL	
061026	1,690	**Cover Strip SAL 150**	1500
061027	0,849	**Cover Strip SAL 75**	750
061024	0,561	**Cover Strip SAL 50**	500
061038	0,427	**Cover Strip SAL 37,5**	375
061028	1,990	**Cover Strip SAL 150/27**	1500
061029	0,996	**Cover Strip SAL 75/27**	750
061039	0,501	**Cover Strip SAL 37,5/27**	375

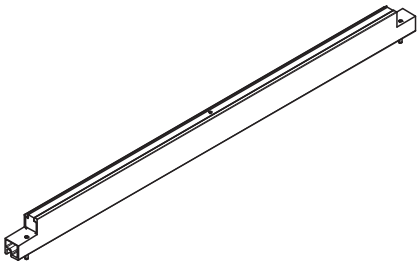
Cover strip made of plastic for 21 or 27 mm formlining. For use with Drophead SFK or SFK/27.

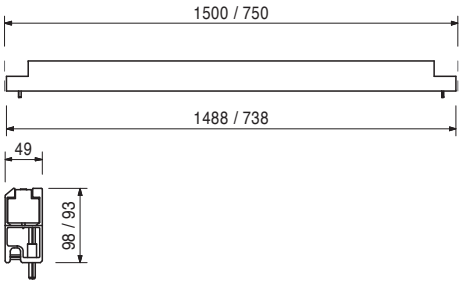




		Edge Beam SRT-2
061045	5,740	**Edge Beam SRT-2 150**
061046	2,720	**Edge Beam SRT-2 75**
061047	5,770	**Edge Beam SRT-2 150/27**
061048	2,730	**Edge Beam SRT-275/27**

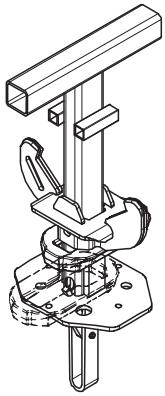
For longitudinal and transverse infilling as well as forming around columns. For compensations with 21 or 27 mm formlining.

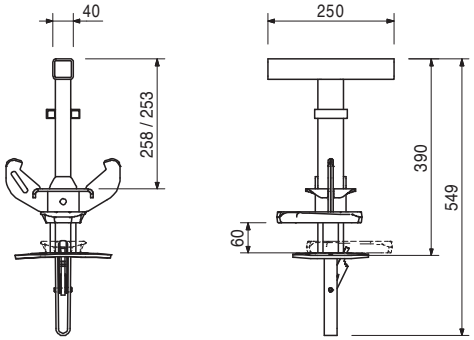




Item no.	Weight kg	
		Dropheads SFK
061210	6,180	**Drophead SFK**
061035	6,050	**Drophead SFK/27**

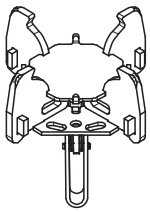
With self-locking coupling. Supports main beam as well as cover strip or formlining. Lowering range 6 cm. For 21 or 27 mm formlining.

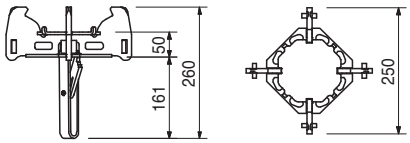




061200	3,860	**Prophead SSK**

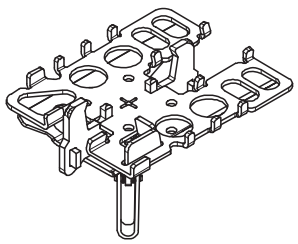
With self-locking coupling. Supports panel, main beam, edge beam and filler timber.

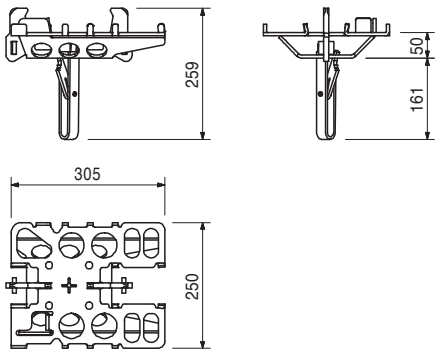




061180	5,340	**Combihead SCK**

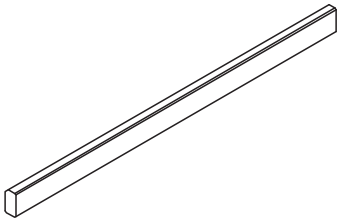
With self-locking coupling. Supports panel, main beam, edge beam and filler timber.

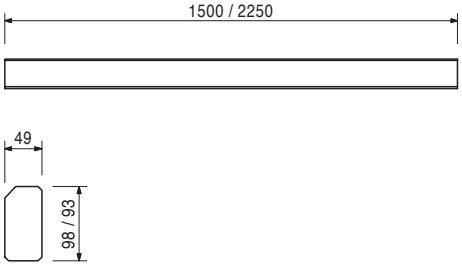




Item no.	Weight kg	
		Filler Timbers SPH
061049	3,350	**Filler Timber SPH 150**
061036	5,020	**Filler Timber SPH 225**
061050	3,080	**Filler Timber SPH 150/27**
061040	4,620	**Filler Timber SPH 225/27**

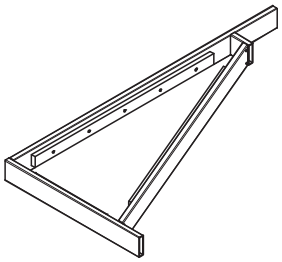
For compensations with 21 or 27 mm formlining.

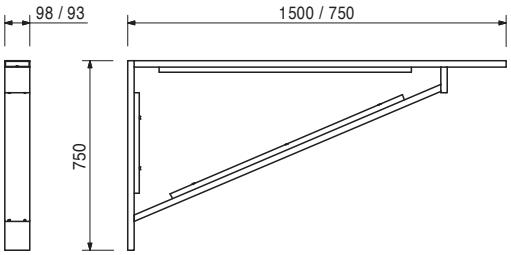




		Triangular Frames SDR
061021	8,650	**Triangular Frame SDR 150 x 75**
061022	5,340	**Triangular Frame SDR 75 x 75**
061015	7,870	**Triangular Frame SDR 150 x 75/27**
061016	4,900	**Triangular Frame SDR 75 x 75/27**

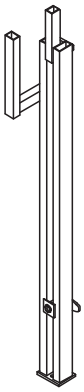
For compensations on inclined walls. For compensations with 21 or 27 mm formlining.

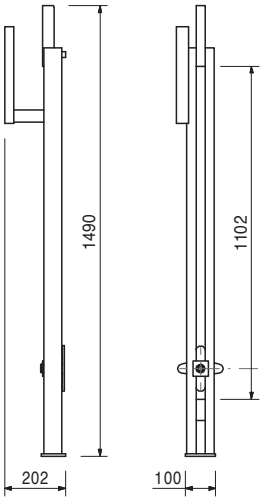




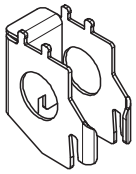
061051	5,250	**Wall Holder SWH-2**

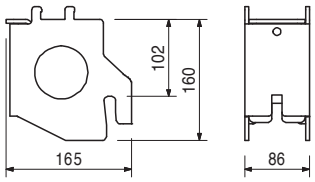
Attach to every second beam or panel.



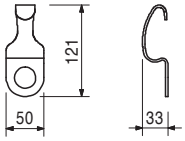


Item no.	Weight kg	
061023	2,140	**End Support SSL** For transition to compensation. For connecting to the Drophead SKF.

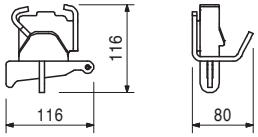




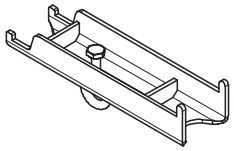
061290	0,133	**Panel Clip SPK** Fixes panels on main beam.

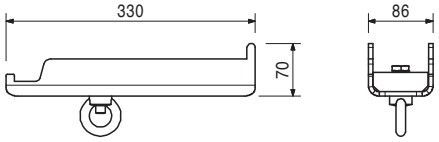


061280	0,780	**Panel Wedge Clip SPKK** Fixes panels on main beam.

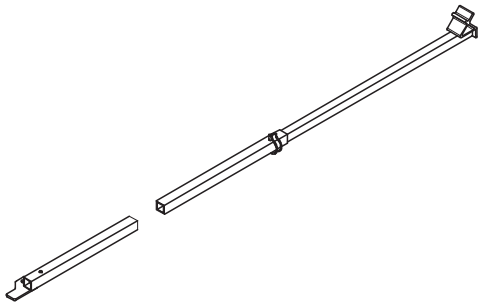


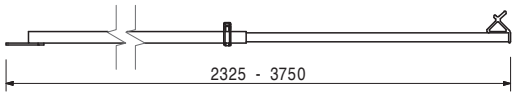
061052	2,590	**Table Connector STV** For assembling SKYDECK slab tables. Also used for mounting intermediate props to the main beams.





061300	2,240	**Shuttering Aid SSH** For forming with SKYDECK. Adjustable in 7.5 cm increments.

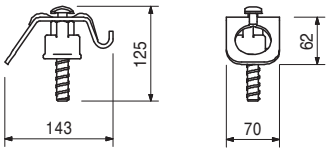




Item no.	Weight kg
061310	0,996

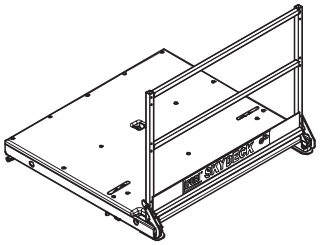
Tension Sleeve SAO
For bracing cantilevered main beams.

Technical Data
Permissible tension load 3.0 kN.

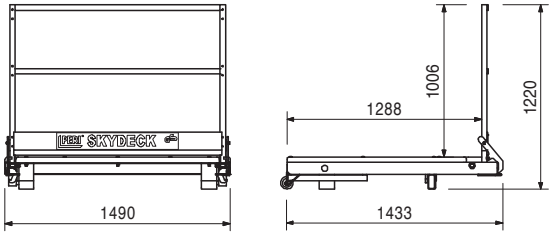


061060 108,000

Platform SDB 150
Working and safety scaffold. Scaffold width 1.30m. With continuous 39 mm thick scaffold boards and folding handrail frame.

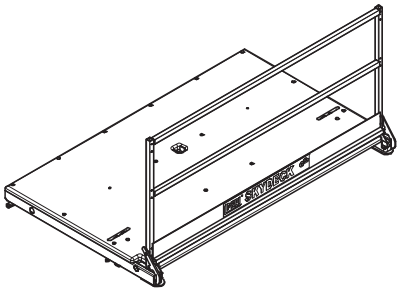


Technical Data
Permissble load capacity of 150 kg/m².

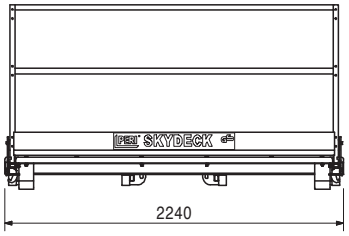


061061 153,000

Platform SDB 225
Working and safety scaffold. Scaffold width 1.30m. With continuous 39 mm thick scaffold boards and folding handrail frame.

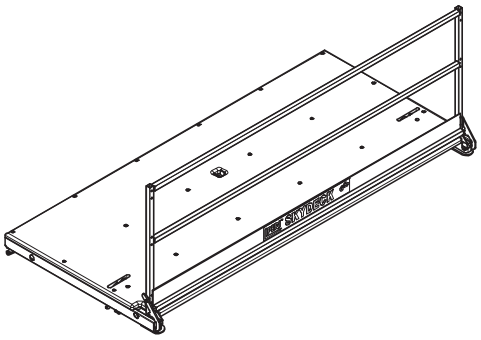


Technical Data
Permissble load capacity of 150 kg/m².

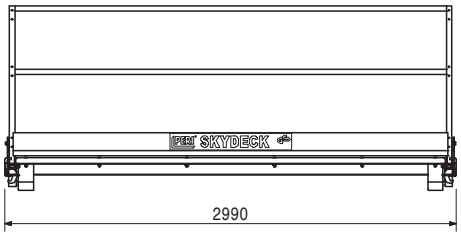


061062 185,000

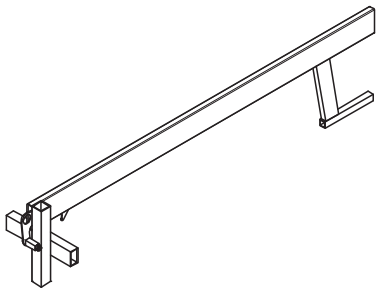
Platform SDB 300
Working and safety scaffold. Scaffold width 1.30m. With continuous 39 mm thick scaffold boards and folding handrail frame.

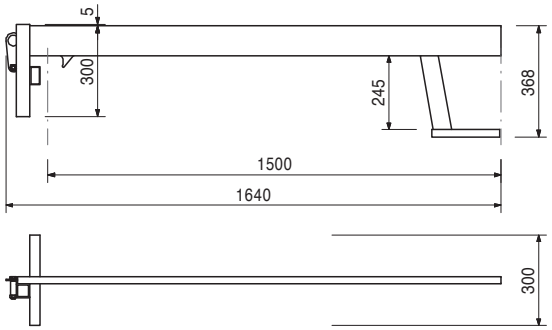


Technical Data
Permissble load capacity of 150 kg/m².



Item no.	Weight kg	
061250	4,760	**Guardrail Holder SGH, Alu** For assembling a guardrail with SKYDECK.

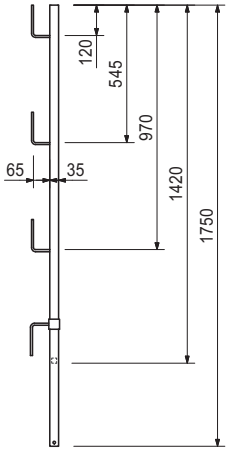




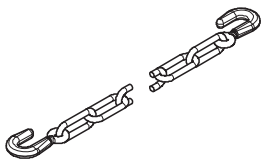
Accessories

061260	6,120	**Guardrail Post SGP**

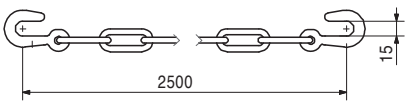
061260	6,120	**Guardrail Post SGP** As guardrail for different systems.



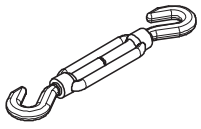
065073	1,370	**Anchor Chain 3.0 kN, l = 2.5 m**



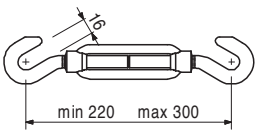
Technical Data
Permissible tension load 3.0 kN.



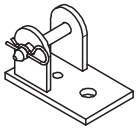
065074	0,450	**Turnbuckle 3.0 kN, M 12**

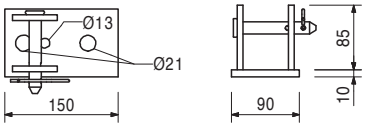


Technical Data
Permissible tension load 3.0 kN.

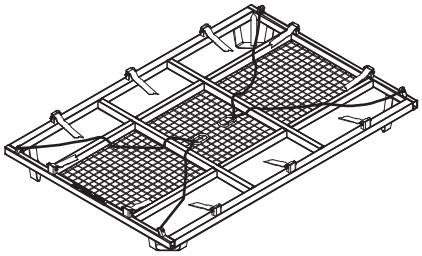


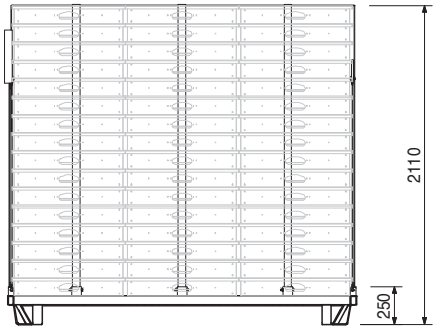
Item no.	Weight kg		
028100	1,830	**Base Plate RS** For mounting the RS Push-Pull Props.	**Complete with** 1 pc. 018050 Pin Ø 16 x 65/86, galv. 1 pc. 018060 Cotter Pin 4/1, galv.

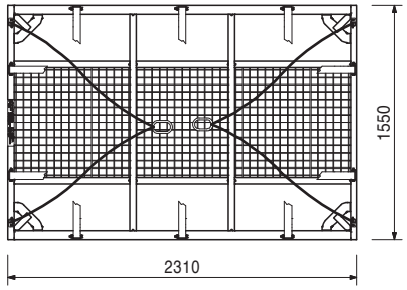




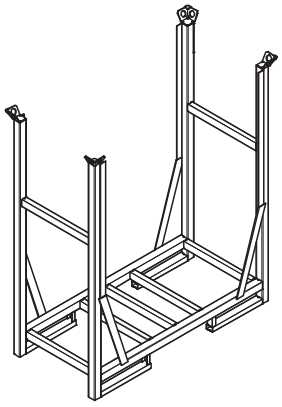
061530	82,400	**Pallet SD 150 x 225, galv.** For stacking and transportion of 48 SKYDECK Panels 150 x 75. With 5 tension straps.	**Safety instructions** Follow Instructions for Use! Load-carrying equipment according to BGR 500. Permissible load 0.75 t.

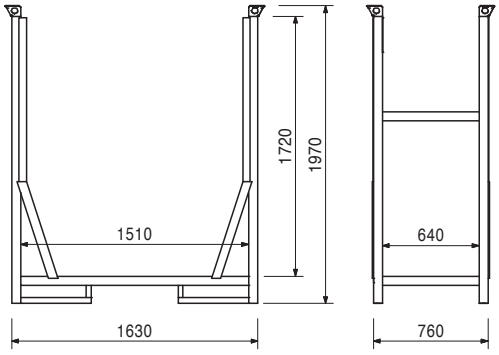






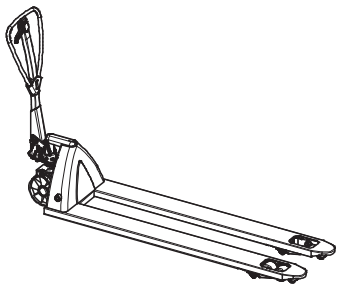
061500	76,700	**Pallet SD 150 x 75, galv.** For stacking and transportion of 14 SKYDECK Panels 150 x 75.	**Safety instructions** Follow Instructions for Use! Load-carrying equipment according to BGR 500. Permissible load 1.0 t.





Item no.	Weight kg
061510	110,000

Pallet Lifting Trolley 1500 mm
For moving pallets and crate pallets.

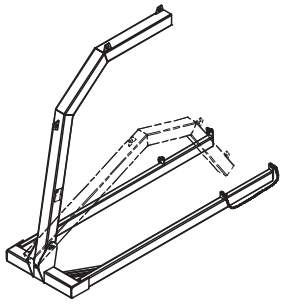


Technical Data
Length of forks 1500 mm, support width of forks 520 mm, lifting range 85 - 195 mm, permissible load 2.0 t.

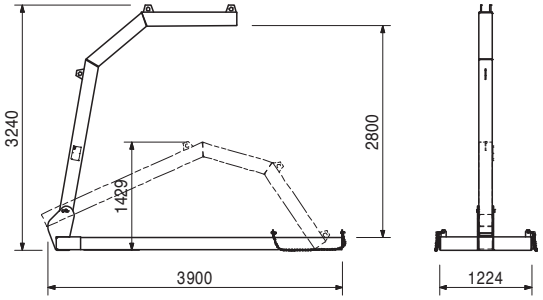
Safety instructions
Lifting equipment according to BGV D8.

061520	403,000

Transportation Fork SKYDECK SUG, galv.
For moving SKYDECK slab tables.

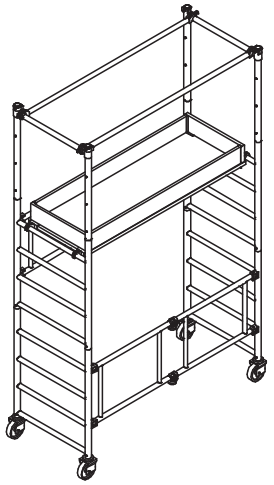


Safety instructions
Follow Instructions for Use.
Load-carrying equipment according to BGR 500.
Permissible load 1.0 t.

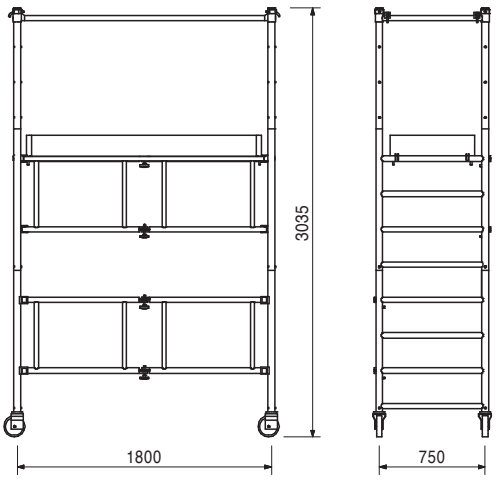


035500	72,800

Stripping Cart Alu
Mobile working scaffold. Height adjustable in 25 cm increments. Platform height: max. 2.0 m.



Technical Data
Permissible load 100 kg/m².

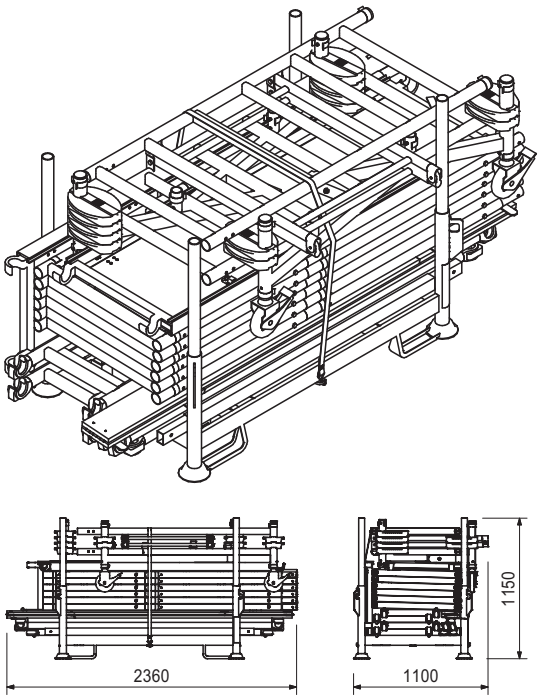


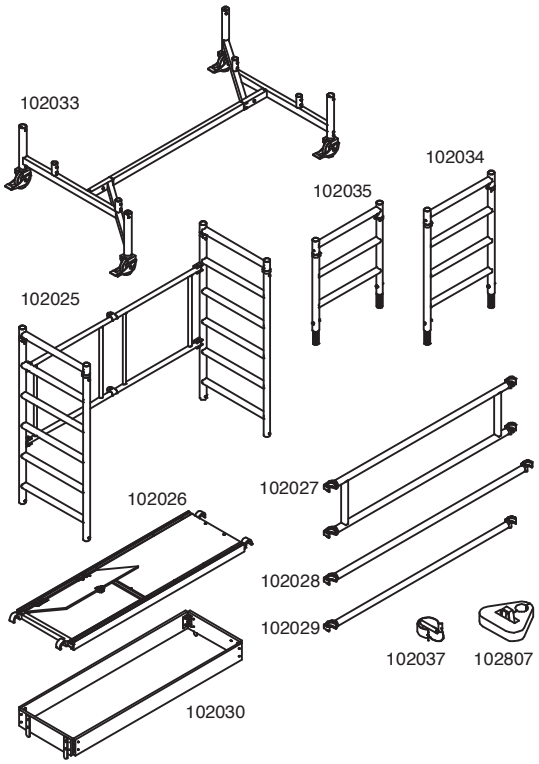
Item no.	Weight kg
102031	363,000

Stripping Cart ASW 465, complete
Mobile working scaffold. Height adjustable in 30 cm increments. Platform height: max. 4.65 m.Packed in: Ring Pallet USP 104, Item no. 100678, with 1 x lashing strap, Item no. 100707 and 4 pcs. Scaffold Tube, Item no. 026411.

Complete with
1 pc. 102033 Steel Traverse 140/220 ASW
1 pc. 102025 Folding Base Unit 160/190 ASW
6 pcs. 102035 Vertical Frames 70/90 ASW
2 pcs. 102026 Entry Platforms 190 ASW
1 pc. 102030 Toe Board Set 70/190 ASW
4 pcs. 102027 Double Handrails 190 ASW
3 pcs. 102028 Diagonal Braces 210 ASW
2 pcs. 102029 Horizontal Braces 190 ASW
8 pcs. 102037 Wind Securing Clip 60 ASW
12 pcs. 102807 Ballast 10 kg ASW

Technical Data
Load-carrying equipment according to BGR 500.
Permissible load: 100 kg/m².





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AL -Shurbatiy Building
AL - Bughdadiah AL - Gharbiah Distrect
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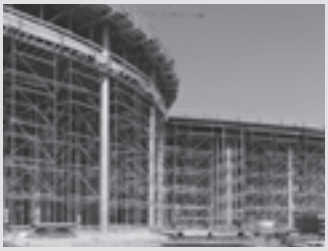
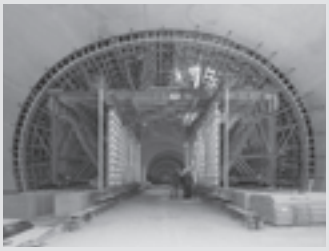
Girder Formwork
Slab Table
Beam Formwork



Shoring Systems
Steel Slab Props
Aluminium Slab Props
Tower Systems
Heavy-Duty Props

Climbing Systems
Climbing Scaffold
Self-Climbing System
Climbing Protection Panel
Platform Systems

Scaffold, Stairways, Working Platforms
Facade Scaffold
Working Platform
Weather Protection Roof
Stairway Access



Bridge and Tunnel Formwork
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