PEP Ergo, PEP 10, PEP 20, PEP 30
Slab Props

Instructions for Assembly and Use – Standard Configuration

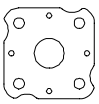
Edition 05 | 2015

Content

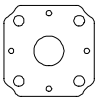
Overview, Main components

PEP Ergo B, D, E

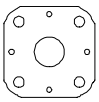
End Plates:



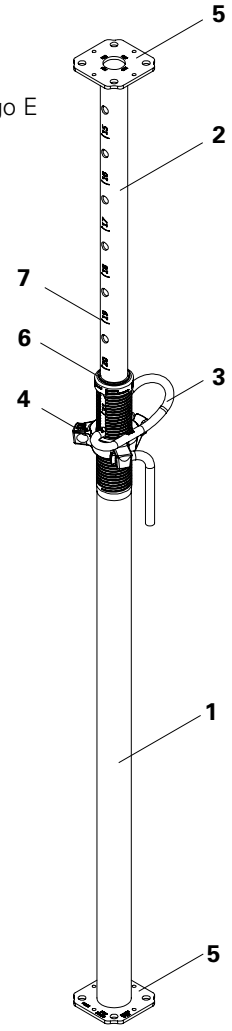
Ergo B



Ergo D

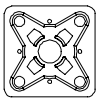


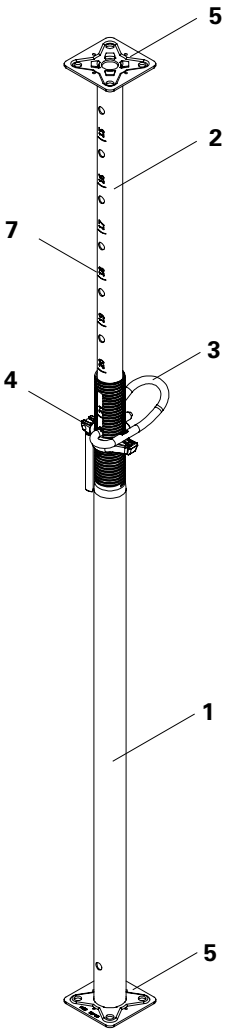
Ergo E



PEP 10

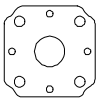
End Plates:



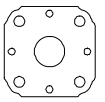


PEP 20, 30

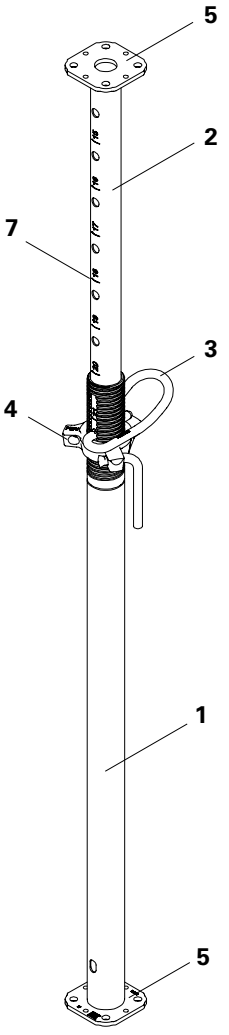
End Plates:



PEP 20



PEP 30



1 Outer Tube
2 Inner Tube
3 G-Hook
4 Adjusting Nut with Grip
5 End Plates Inner Tube / Outer Tube
6 Limit Stop (only PEP Ergo)
7 Measuring Scale

Key

Pictogram | Definition


Safety instructions


Note


Visual check


Tip


Lifting point


Safety helmet


Safety gloves


Safety shoes


Eye protection

Dimension specifications
Dimensions are usually given in mm and m. Other measurement units, e.g. cm, are shown in the drawings.

Conventions
– Instructions are numbered.
(1. ....., 2. ....., 3. .....)
Multiple position numbers, i.e. alternative components, are represented with a slash: 1 / 2.

Arrows
Actions →
Forces ➞

General
The illustration on the front cover of these instructions is understood to be a system representation only. The assembly steps presented in these Instructions for Assembly and Use 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.

For a better understanding, detailed illustrations are partly incomplete. The safety installations which have possibly not been included in these detailed drawings must nevertheless still be available.

Intended use

Product description
PERI products have been designed for exclusive use in the industrial and commercial sectors by suitably trained personnel only.

PEP Slab Props
- are steel slab props with an integrated extension device,
- correspond to the load requirements of DIN EN 1065,
- are used as vertical supports for temporary constructions.

Features
PEP Slab Props are used in shoring assemblies in a planned perpendicular position in order to transfer vertical loads. In particular, they also provide support for slab formwork systems.
All components are galvanized.
The overall length of the slab prop is stamped in 10 cm increments on the pegging holes on the inner tube.
The adjustment range per marking is max. 12 cm.

Safe working conditions are guaranteed at all times through:
- hand safety clearance,
- anti-dropout safeguard on the inner tube,
- ergonomic and non-jamming G-hook.

PEP Ergo:
The max. length of the slab prop is stamped in [cm] on the end plates.
The length details are clearly legible on those slab props stored in pallets.

Technical data
- Props according to DIN EN 1065
- Approvals
  Z-8.311-899
  Z-8.311-934
  Z-8.311-941
- For load-bearing capacities, see Tables

Instructions for use

General
The use in a way not intended, deviating from the standard configuration or the intended use according to the Instructions for Assembly and Use, represents a misapplication with a potential safety risk, e.g. risk of falling.

Only PERI original components may be used. The use of other products and spare parts is not allowed.

Changes to PERI components are not permitted.

Safety instructions

General
These Instructions for Assembly and Use serve as basis for the project-related risk assessment and the instructions for the provision and use of the system by the contractor. However, they do not replace them.

The contractor must ensure that the Instructions for Assembly and Use provided by PERI are available at all times for the users and that they are also fully understood.
Safety instructions and permissible loads must be observed at all times.

For the application and inspection of our products, the current safety regulations and guidelines in the respective countries where they are being used must be observed at all times.

In order to guarantee the safety against falling, the contractor must carry out a site-specific risk assessment based on these Instructions for Assembly and Use and the included safety and warning information during each respective assembly, modification and dismantling procedure, as well as every time the system is used! Based on the risk assessment, appropriate measures regarding safety against falling are to be implemented on site!

The contractor must ensure that the personal protective equipment required for the assembly, modification or dismantling of the system is available and used as intended.

Materials and working areas are to be inspected on a regular basis especially before each use and assembly, and checked for signs of damage as well as stability and functionality. Damaged components must be exchanged immediately on site and may no longer be used.

The contractor has to provide safe working areas for site personnel which are to be reached through the provision of safe access ways. Areas of risk must be cordoned off and clearly marked.

Safety components are removed only when they are no longer required.

The contractor must guarantee the stability during all stages of construction especially during assembly, modification and dismantling. He must ensure and prove that all loads can be safely transferred.

Deviations from the standard configuration may only be carried out after a separate risk assessment has been completed by the contractor. On this basis, appropriate measures for the working and operational safety as well as the stability are to be implemented. Appropriate proof of stability can be provided by PERI if the risk assessment and measures deriving from this are readily available.

Components provided by the contractor must conform with the characteristics required in these Instructions for Assembly and Use as well as with all valid construction guidelines and standards. In particular, the following applies if nothing else is specified:
– timber components:
  Strength Class C24 for Solid Wood according to EN 338.
– scaffold tubes: galvanised steel tubes with minimum dimensions of Ø 48.3 x 3.2 mm according to EN 12811-1:2003 4.2.1.2.

Scaffold tube couplings according to EN 74.

In the event of unfavourable weather conditions, e.g.
– poor visibility (fog),
– strong winds,
– snow,

suitable precautions and measures are to be taken in order to ensure both work and operational safety as well as stability.

In case of extraordinary events which could compromise the safety, e.g.
– storms,
– earthquakes,
– accidents,
– longer downtimes,

the system must be comprehensively checked by a qualified person on behalf of the contractor regarding the work and operational safety as well as the stability. The results of the inspection are to be documented.

Safety instructions

System-specific
Retract components only when the concrete has sufficiently hardened and the person in charge has given the go-ahead for striking to take place.

Anchoring is to take place only if the anchorage has sufficient concrete strength.

Care and maintenance
PEP Slab Props have been designed for long-term use on the construction site. In order to maintain the value and operational readiness of the PEP Slab Props for a long time, ensure that the Slab Props are carefully handled at all times.

Storage and transportation
Do not drop the components.

Store and transport components ensuring 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.

During the moving procedure, ensure that components are picked up and set down so that unintentional falling over, falling apart, sliding or rolling is avoided.

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

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

Assemble and move components on clean, flat and sufficiently load-bearing surfaces only.

Additional technical documentation

Additional PERI product information
Brochures:
– PEP Ergo Slab Props
– PEP 10 Slab Props
– PEP 20, 30 Slab Props

Instructions for use:
– Pallets and Stacking Devices

PERI Design Tables

Instructions for Assembly and Use:
Slab Formwork
– MULTIFLEX
– SKYDECK
– GRIDFLEX
Slab Tables
– TABLE MODULES
– VARIODECK
– SKYTABLE

The structures shown in these Instructions for Assembly and Use are examples and feature only one prop type and component size respectively.
They are valid for all types and component sizes contained in the standard configuration.

Pre-assembling the slab prop

For the safety of the user, the following should be checked before every use to see whether
- **the slab prop is complete,**
- **the slab prop has no cracks, holes or broken parts,**
- **the inner tube and adjusting nut are smooth-running and the end plates are flat.**

- Shown here is the assembly of a free-standing slab prop.
- When used in the system, the respective Instructions for Assembly and Use are to be taken into account.
- The stamped numbers show the overall length (L) of the slab prop in decimetres [dm]
  e.g. 20 = 20 dm = 2.00 m.
- The overall length of the slab prop is read off at the end of the outer tube (1a).

Pre-assembly

1. Extend inner tube (2) of the slab prop to the required height marking (7).
(Fig. A1.01 + A1.01a)
2. Turn the inner tube so that the hole in the elongated hole (1b) of the outer tube (1) is visible.
(Fig. A1.01 + A1.01a)
3. Insert G-hook (3) in the visible hole and push in as far as possible (3a).
–> inner tube is now fixed.
(Fig. A1.01a)
4. Turn adjusting nut (4) on the grip (4a) to the required size.
(Fig. A1.01a)

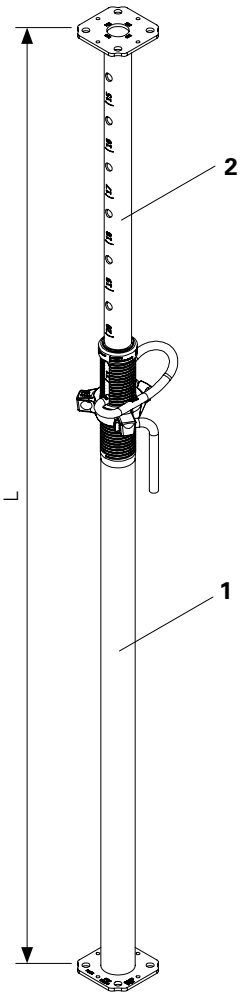


Fig. A1.01

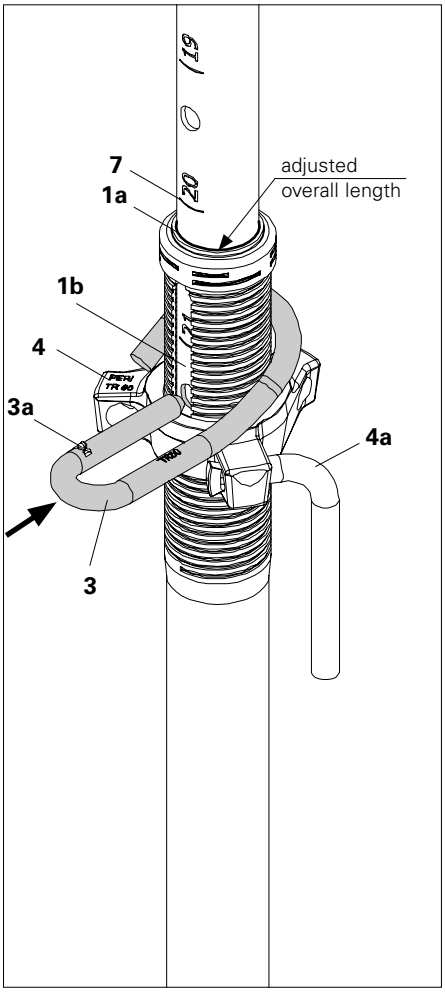


Fig. A1.01a

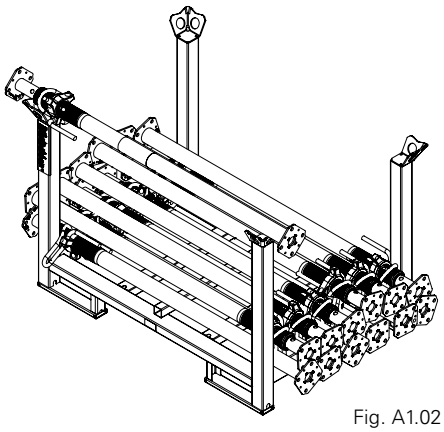


Fig. A1.02

Lay slab prop for pre-assembly on a Pallet RP-2.
(Fig. A1.02)

Assembly with Tripod PEP Ergo

For slab props with tube Ø 44 – 64 mm.

Slab Props and Tripod
- **place on tidy, flat and sufficiently load-bearing surface only!**
- **are not suitable for planned transfer of horizontal loads!**

- Shown here is the assembly of a free-standing slab prop.
- When used in the system, the respective Instructions for Assembly and Use are to be taken into account.
- PEP Ergo Tripods (8) are simple assembly aids for shuttering and striking up to heights of approx. 3 m.

Tripod assembly

1. Insert pre-assembled Slab Prop into the Tripod (8).
(Fig. A1.03)
2. Secure push-pull device (8a) with a hammer.
(Fig. A1.03)

Ensure that Slab Prop lies flat to the top and bottom connection plates (8b and 8c).
(Fig. A1.03a)

- Is the push-pull device securely in position?
- Does the Slab Prop lie flat to the top and bottom connection plates?
- Is the Slab Prop in a perpendicular position?

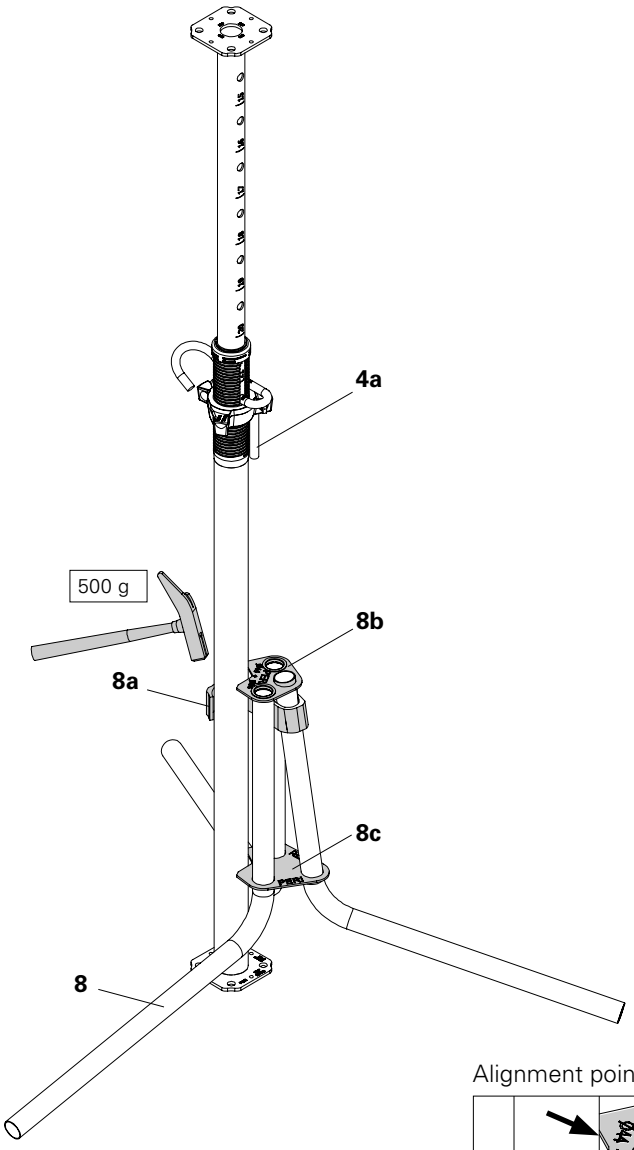


Fig. A1.03

Alignment points

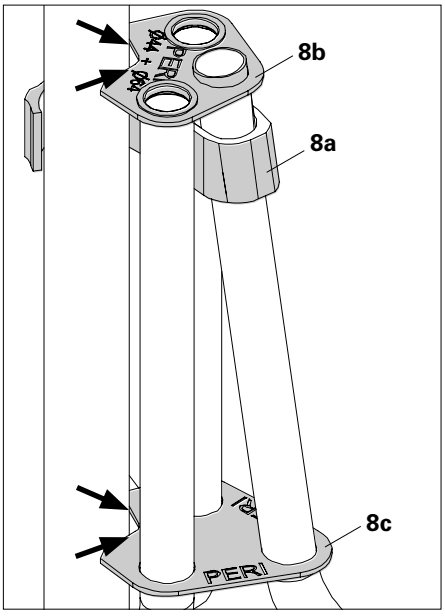


Fig. A1.03a

Assembly with Universal Tripod

For Slab Props with tube Ø 48 mm to 120 mm

Slab Props and Tripods
- **place on tidy, flat and sufficiently load-bearing surface only!**
- **are not suitable for planned transfer of horizontal loads!**

- Shown here is the assembly of a free-standing slab prop.
- When used in the system, the respective Instructions for Assembly and Use are to be taken into account.
- Universal Tripods (9) are simply assembly aids for shuttering and striking up to heights of approx. 3 m.

Universal Tripod assembly

1. Insert pre-assembled Slab Prop into the Universal Tripod (9).
(Fig. A1.04)
2. Tighten clamp (9a).
Ensure that the Slab Prop lies flat against the top and bottom connection plates (9b and 9c).
(Fig. A1.04a)

- Does the Slab Prop lie flat to the top and bottom connection plates?
- Has the clamp been tightened?
- Is the Slab Prop in a perpendicular position?

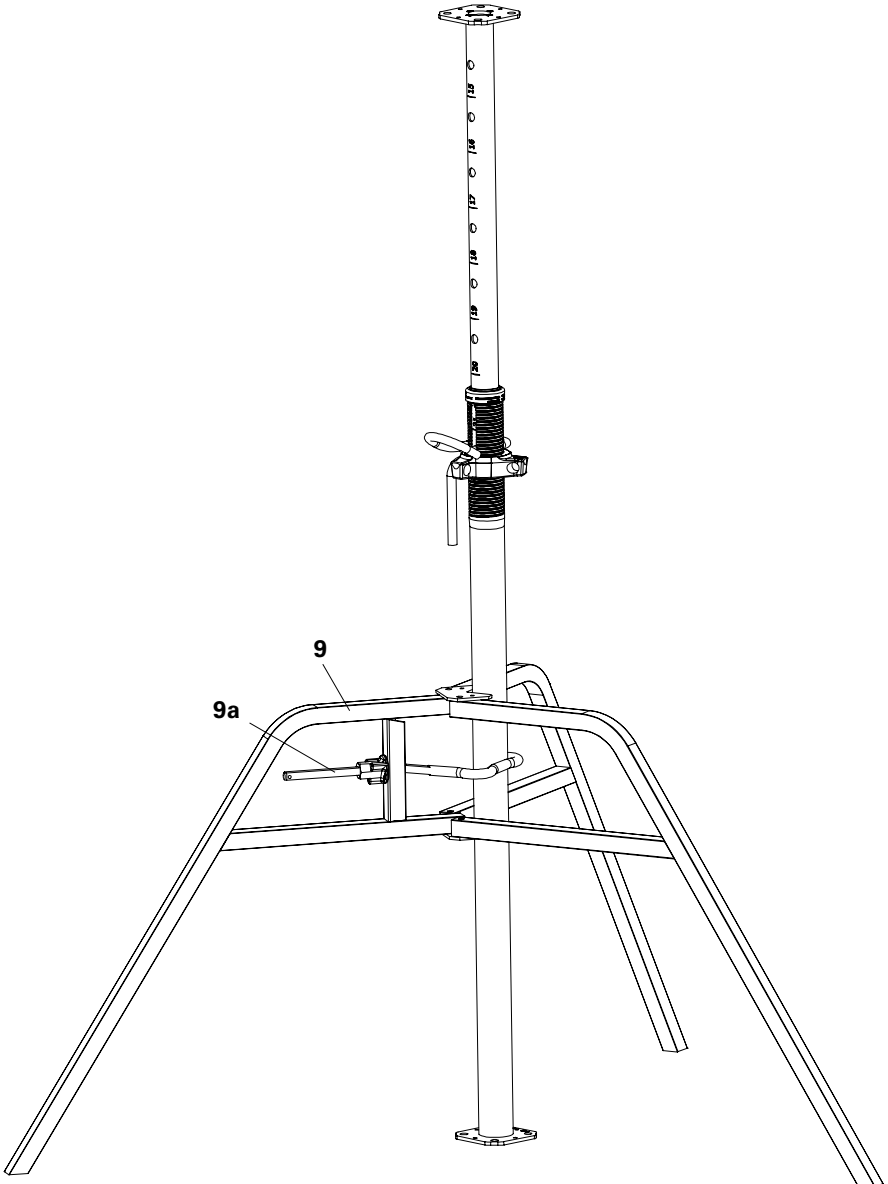


Fig. A1.04

Alignment points

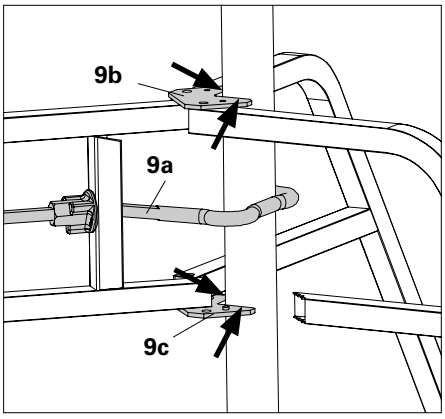


Fig. A1.04a

Assembly with PEP Frame PRK

For Slab Props with tube Ø 57 – 84 mm.

- **Place Slab Prop on a tidy, flat and sufficiently load-bearing surface only!**
- **Slab Props and PEP Frame PRK are not suitable for a planned transfer of horizontal loads!**

- Shown here is the assembly with free-standing Slab Props.
- When used in the system, the respective Instructions for Assembly and Use are to be taken into account.
- PEP Frame PRK (10) is simply an assembly aid for shuttering and striking up to heights as of approx. 4 m.

PEP Frame PRK assembly

1. Release Wedge (10a) on the fasteners (10b) and open clamping jaws (10c). (Fig. A1.05)
2. Insert pre-assembled Slab Prop between the fastener and clamping jaws. (Fig. A1.06)
3. Close clamping jaw and push wedge downwards. Every frame has 4 fasteners each with one wedge (top and bottom as well as right and left). (Fig. A1.06 + A1.06a)
4. Mount additional frames to the Slab Props.
5. Hammer in all wedges (rebound impact). (Fig. A1.06 + A1.06a)

- Are all wedges securely fixed?
- Are the Slab Props in a perpendicular position?

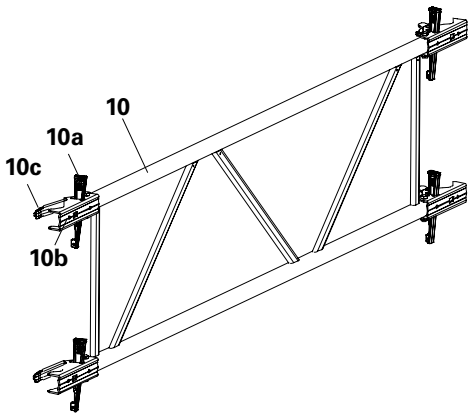


Fig. A1.05

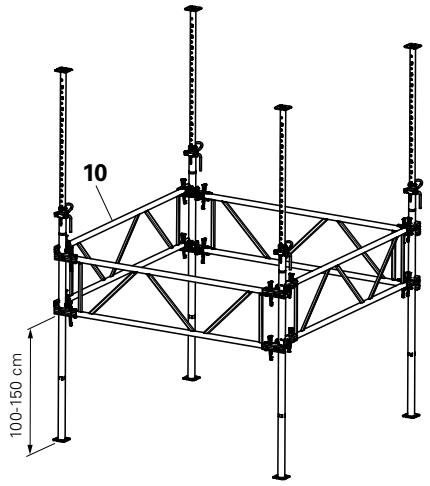


Fig. A1.06

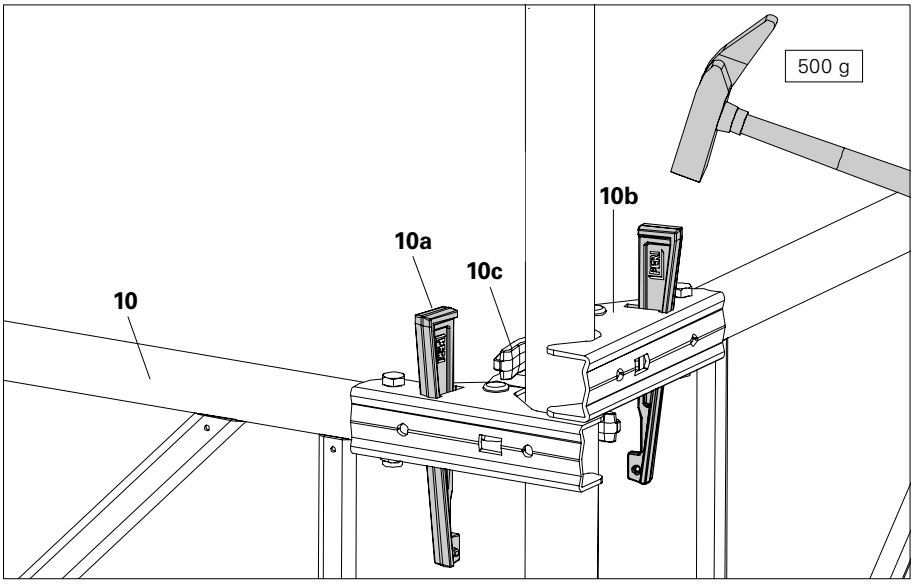


Fig. A1.06a

Releasing the Slab Prop under load

Dismantling:
1. Release adjusting nut and set load-free with:
– Grip (4a) (Fig. A2.01a)
– Hammer on cams dictating the direction (Fig. A2.01b)
– Wingnut Spanner PEP
Item no. 118345 (Fig. A2.01c)

Ensure that the Slab Prop is completely free of any load.

2. Hold inner tube firmly and pull out G-hook.
3. Push in inner tube.
4. Place Slab Prop in the pallet.

See Section A5
"Storage and Transportation".

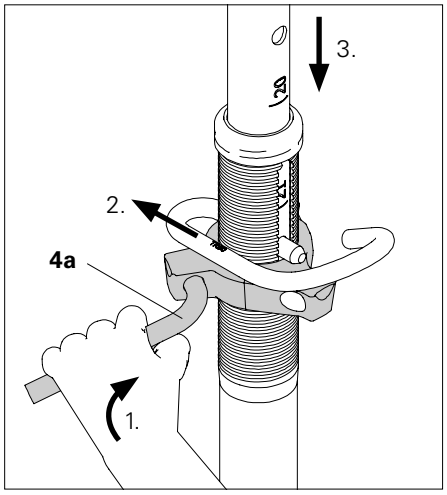
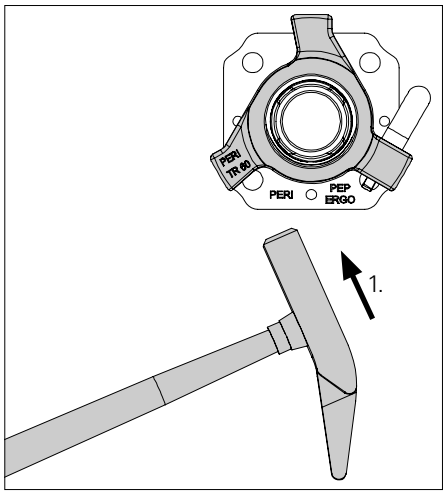


Fig. A2.01a



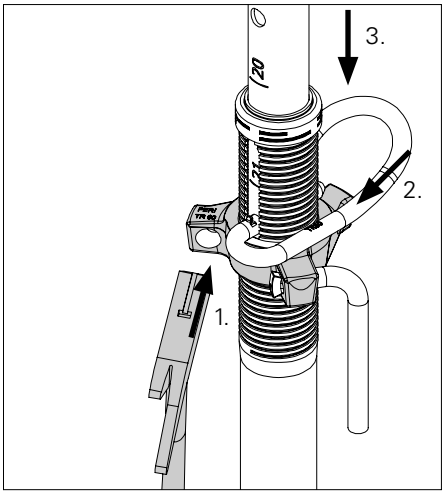
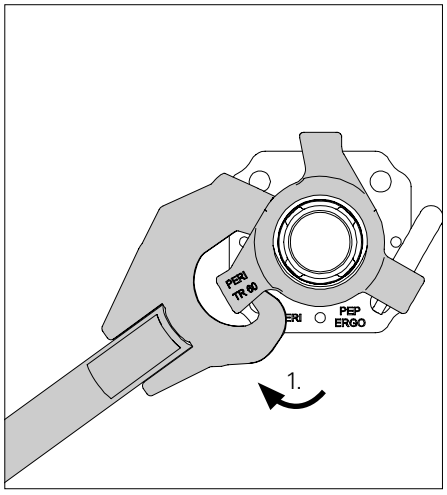


Fig. A2.01b

The wingnut spanner allows effortless and noiseless release of the adjusting nut – also with maximum prop load.



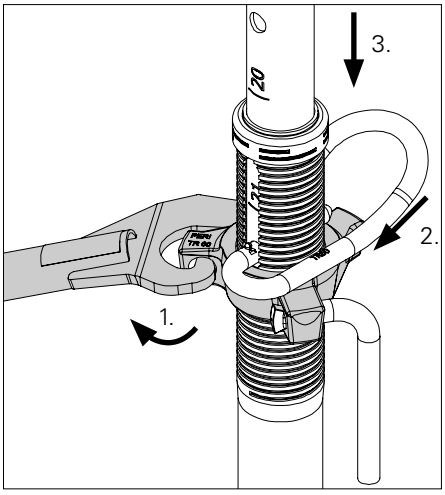


Fig. A2.01c

Brace Clamp

Use as an alternative assembly aid with high slab props as of approx. 4 m using bracing boards 3 x 15 cm.

Brace Clamps are not suitable for a planned transfer of horizontal loads!

- Brace Clamps (11) are simply assembly aids when shuttering and striking.
- As an option, tripods can be used as additional assembly aids.

Assembly

1. Pull narrow side of the wedge (11a) out of the clamp.
2. Lay Brace Clamp (11) around the tube of the Slab Prop.
3. Insert board in the open side of the clamp.
4. Put wedge back into recess of the clamp and hammer in securely.

–> The wedge secures the board.

5. Mount additional bracing boards by means of Brace Clamps.

(Fig. A3.01)

- Are the Slab Props in a perpendicular position?
- Are all wedges securely fixed?
- Have all wedges secured the boards?

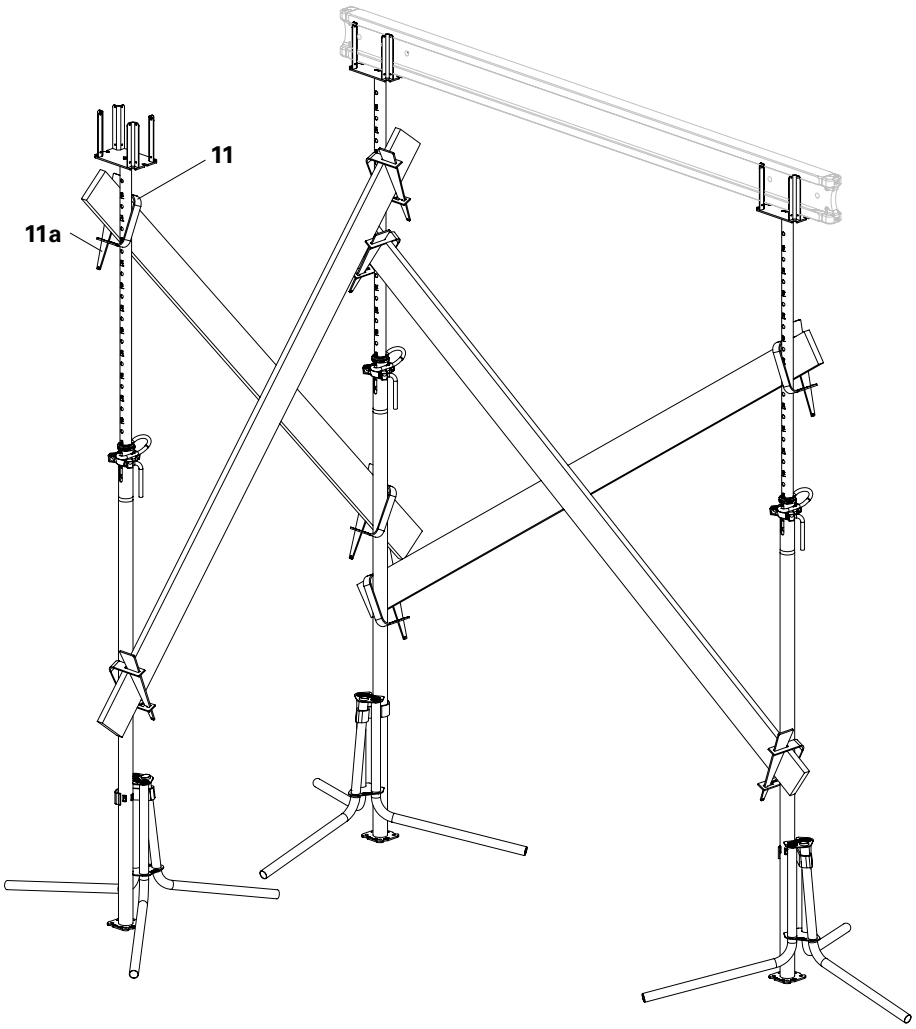


Fig. A3.01

Base MP 50

Take into account separate tables with permissible prop load!

– Used to extend the Slab Prop by 50 cm.
– Automatic centering of the Slab Prop by means of centering pins.
– Two clamping claws connect the Base MP 50 with the Slab Prop.

Assembly
1. Place Slab Prop (1) on the Base MP 50 (12) so that the two Centering Pins (12a) are securely positioned in the holes of the base plate.
2. Position Clamping Claw (12b) with a hammer on the end plate of the prop base.
(Fig. A3.02)

Are the two clamping claws fully set on the end plate?

Through the use of the Base MP 50, the same type of prop can be used at different heights.

Dismantling
Release clamping claws with a hammer.

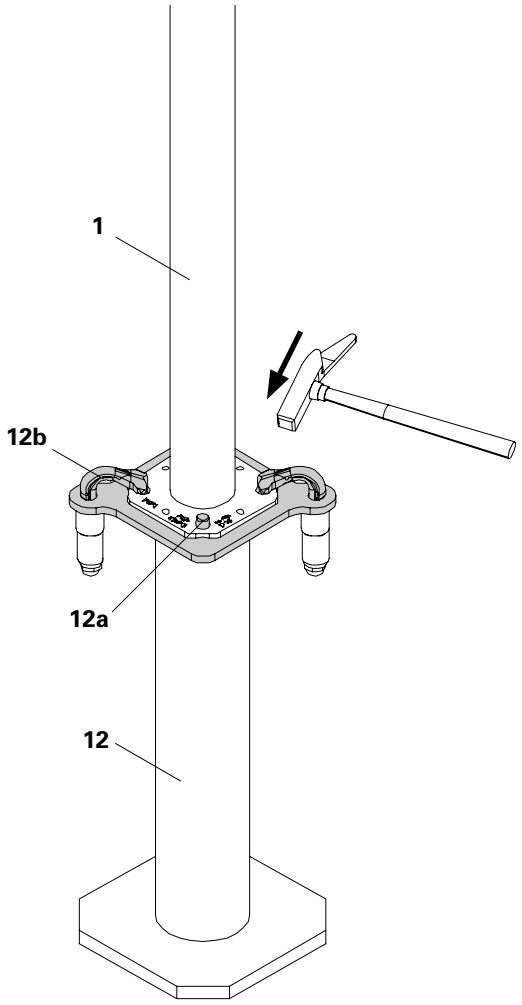


Fig. A3.02

Applications of this type or similar are prohibited!

Ensure that Slab Props are always in a perpendicular position!

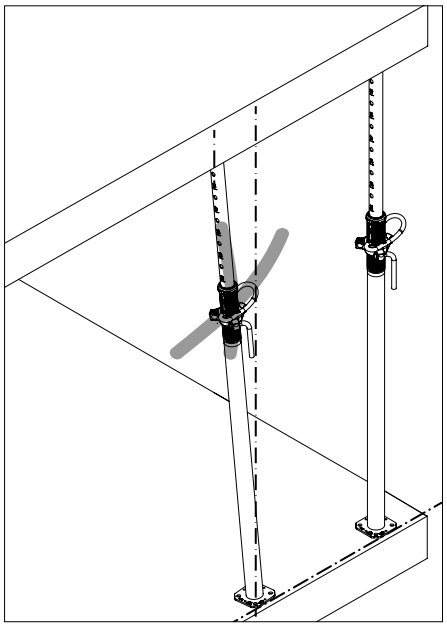


Fig. A4.01

Slab Props must always be in a vertical position.

Only use full-faced support surfaces!

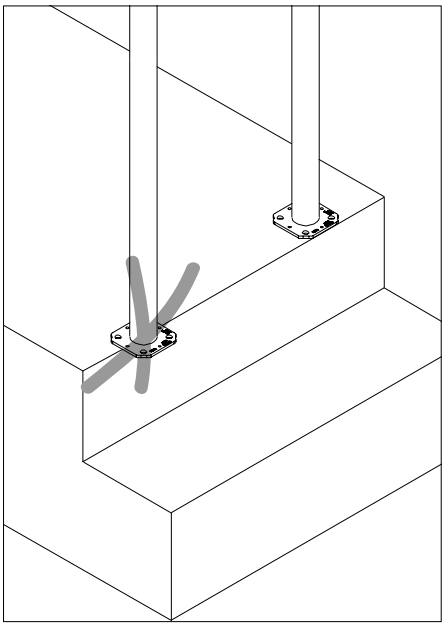


Fig. A4.02a

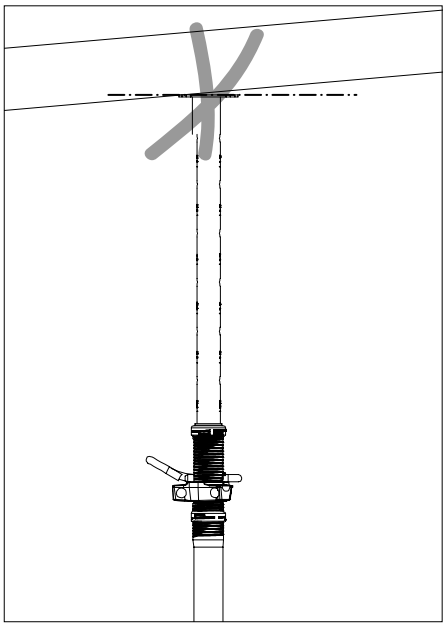


Fig. A4.02b

End plates of the Slab Props must always lie completely flat.
If necessary, fill the gap and secure the wedge.

Non-loadable installation surface!

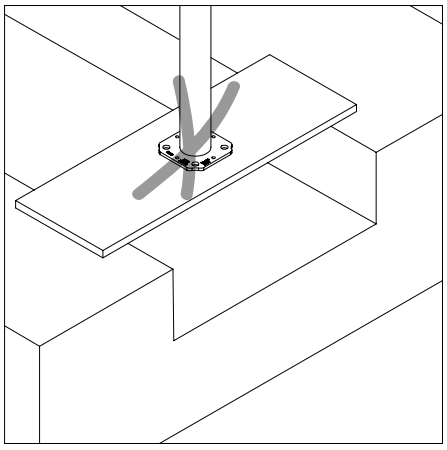


Fig. A4.03a

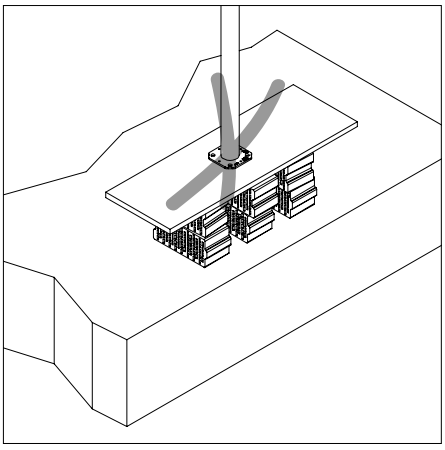


Fig. A4.03b

Slab Props must always be positioned on load-bearing and flat surfaces.

A4 Foreseeable misapplications

Applications of this type or similar are prohibited!

Do not connect the Slab Props to each other!

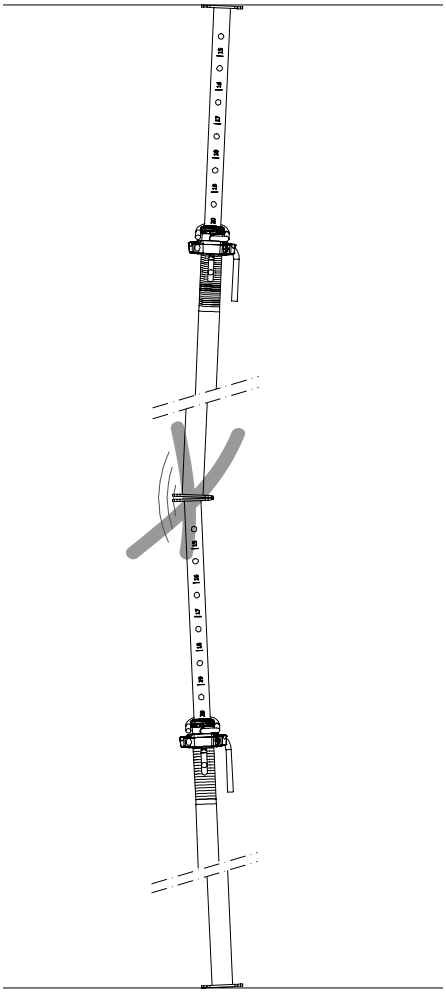


Fig. A4.04

If the clearance is too large, a longer slab prop or a shoring tower must be used, e.g. MULTIPROP MP or PERI UP.

Do not use a tie rod or reinforcement bar instead of a G-hook!

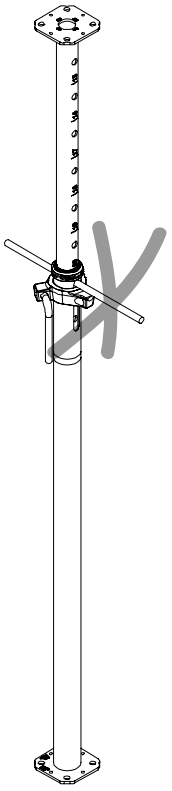


Fig. A4.05

Only use an original G-hook for pinning the inner tube.

Do not use for supporting formwork elements!

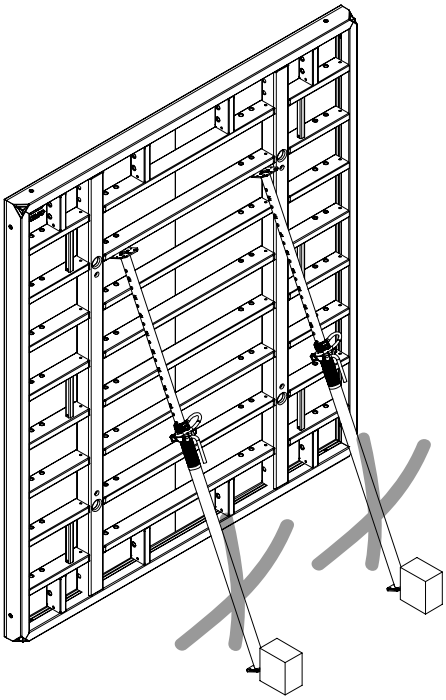


Fig. A4.06

Use designated support equipment, e.g. push-pull props or brace frames.

Applications of this type or similar are prohibited!

Do not use as a trench strut!

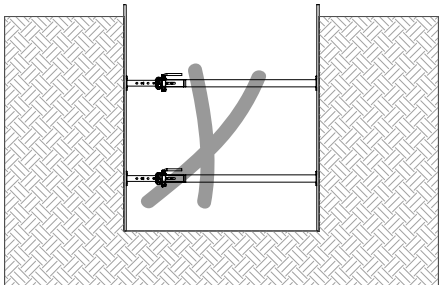


Fig. A4.07

Use designated trench strut.

Do not use as anti-fall protection!

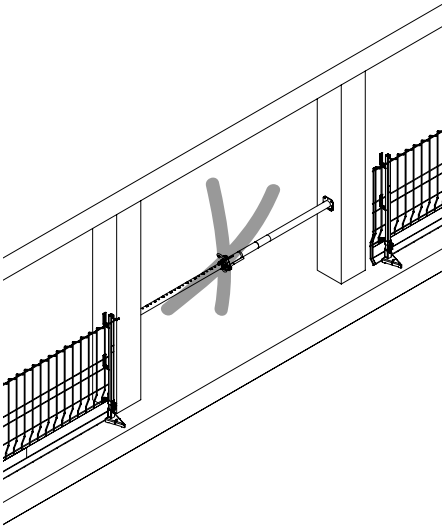


Fig. A4.08

Use designated anti-fall equipment, e.g. PROKIT EP 110.

Do not use as a guardrail holder!

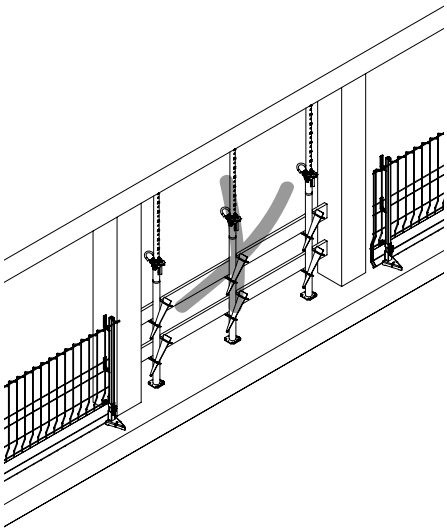


Fig. A4.09

Use designated anti-fall equipment, e.g. PROKIT EP 110 or EP 200.

Ensure that no water collects inside the tube!

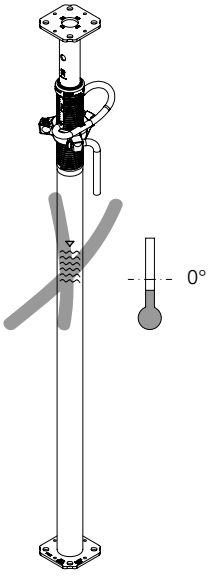


Fig. A4.10

Ensure that water can drain off!
Do not close the openings!
Frost will cause the water to freeze.
Formation of ice can cause the inner tube with G-hook to lift.

G-hook must be supported on the adjusting nut!

- **Follow Instructions for Use for PERI pallet and stacking devices!**
- **Follow PERI packaging guidelines!**
- **Transportation units must be correctly stacked and secured!**

PERI Pallets (14) are suitable for lifting by a crane or forklift.

When using a crane, 4-sling lifting gear is used to move the pallets.

During fork-lift operations, the pallets can be moved either by a fork-lift truck or by using the PERI Lifting Trolley. All pallets can be lifted using the longitudinal as well as front sides.

Max. number of pallets in accordance with packaging guidelines.

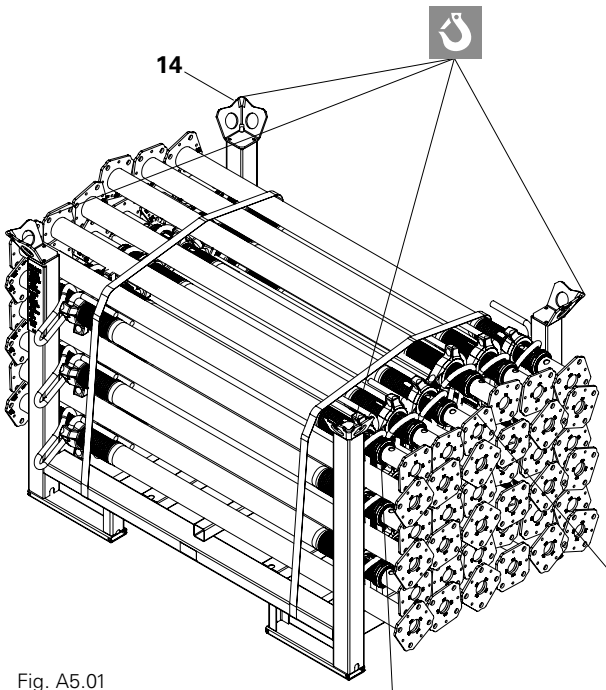


Fig. A5.01

Storage

- **Ensure slab props of the same size are stored and transported in one RP Pallet!**
  (Fig. A5.01)
- **End plates of the inner tubes (5a) must lie within the end plates of the outer tubes (5b). In this way, the inner tube is prevented from sliding out.**
  (Fig. A5.01a)

PEP Ergo:
Length is stamped in [cm] (5c) on the outer side of the end plates. As a result, the max. prop length is clearly indicated at all times, also if the prop is in a horizontal position in the pallet.
(Fig. A5.01a)

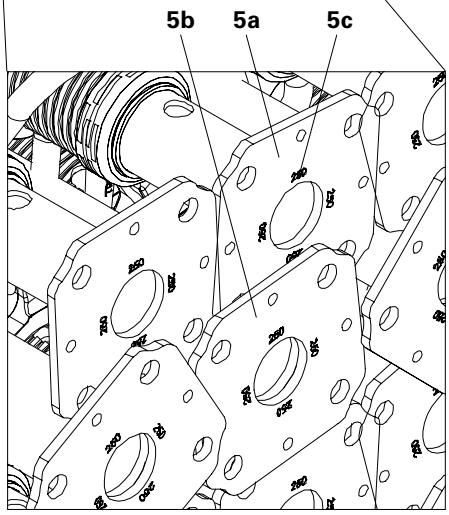


Fig. A5.01a

Transportation

- **Ensure loads are correctly secured during transport!**
- **Use tension belts or steel bands.**

The number of pallets that can be transported depends on the respective national transport regulations.

Slab Props
PEP Ergo B

Permissible prop load [kN] according to type test

Extension length [m]	PEP Ergo B-300 L = 1.97 – 3.00 m		PEP Ergo B-350 L = 2.25 – 3.50 m	
	Outer tube bottom	Inner tube bottom	Outer tube bottom	Inner tube bottom
2.00	30.8	30.8		
2.10	29.8	30.8		
2.20	27.0	30.8		
2.30	24.6	30.8	30.8	28.6
2.40	23.0	30.8	28.6	28.6
2.50	21.5	30.8	25.5	28.6
2.60	20.3	29.5	23.1	28.4
2.70	19.3	27.5	21.3	28.0
2.80	18.3	24.8	19.8	27.4
2.90	16.9	22.3	18.6	26.1
3.00	15.6	20.2	17.5	24.4
3.10			16.3	22.8
3.20			15.2	20.8
3.30			14.3	19.0
3.40			13.2	17.4
3.50			12.4	15.7

Note:
- PERI PEP Ergo B-300 and PEP Ergo B-350 Props meet the load-bearing capacity requirements of Prop Class B as stipulated in DIN EN 1065.
- General Building Inspectorate Approval Z-8.311-934 issued by the German Institute for Building Technology (DIBt).

Slab Props
PEP Ergo D

Permissible prop load [kN] according to type test

Extension length [m]	PEP Ergo D-150 L = 0.98 – 1.50 m		PEP Ergo D-250 L = 1.47 – 2.50 m		PEP Ergo D-350 L = 2.26 – 3.50 m		PEP Ergo D-400 L = 2.51 – 4.00 m		PEP Ergo D-500 L = 3.26 – 5.00 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	30.8	30.8								
1.10	30.8	30.8								
1.20	30.8	30.8								
1.30	30.8	30.8								
1.40	28.5	30.8								
1.50	26.4	30.8	35.0	35.0						
1.60			35.0	35.0						
1.70			32.9	35.0						
1.80			30.7	35.0						
1.90			29.1	35.0						
2.00			28.1	35.0						
2.10			27.3	35.0						
2.20			26.5	34.1						
2.30			25.7	32.3	40.0	40.0				
2.40			24.3	29.4	40.0	40.0				
2.50			22.4	26.3	40.0	40.0				
2.60					38.0	40.0	40.0	40.0		
2.70					35.2	40.0	40.0	40.0		
2.80					33.1	40.0	40.0	40.0		
2.90					31.3	40.0	40.0	40.0		
3.00					29.9	40.0	40.0	40.0		
3.10					28.5	39.0	37.7	40.0		
3.20					27.2	35.3	35.7	40.0		
3.30					25.3	32.1	33.9	40.0	40.0	40.0
3.40					23.5	29.2	32.5	40.0	40.0	40.0
3.50					21.7	26.5	31.0	39.7	40.0	40.0
3.60							29.0	36.4	40.0	40.0
3.70							27.0	33.3	40.0	40.0
3.80							25.2	30.7	40.0	40.0
3.90							23.5	28.2	40.0	40.0
4.00							21.8	26.0	40.0	40.0
4.10									39.3	40.0
4.20									36.5	40.0
4.30									34.0	39.2
4.40									31.8	37.0
4.50									29.9	34.6
4.60									28.1	32.4
4.70									26.4	30.4
4.80									24.8	28.5
4.90									23.4	26.8
5.00									21.8	25.3

Note:

- PERI PEP Ergo D-150, PEP Ergo D-250, PEP Ergo D-350, PEP Ergo D-400 and PEP Ergo D-500 Props fulfil Prop Class D load-bearing capacity requirements of DIN EN 1065.
- In addition, the PEP Ergo D-250 Prop fulfils Prop Class B requirements as stipulated in DIN EN 1065.
- General Building Inspectorate Approval Z-8.311-934 for PERI PEP Ergo D-150 and PEP Ergo D-250.
- General Building Inspectorate Approval Z-8.311-941 for PERI PEP Ergo D-350, PEP Ergo D-400 and PEP Ergo D-500.

Slab Props
PEP Ergo E

Permissible prop load [kN] according to type test

Extension length [m]	PEP Ergo E-300 L = 1.96 – 3.00 m		PEP Ergo E-400 L = 2.51 – 4.00 m	
	Outer tube bottom	Inner tube bottom	Outer tube bottom	Inner tube bottom
2.0	50.4	50.4		
2.1	50.4	50.4		
2.2	50.4	50.4		
2.3	50.4	50.4		
2.4	50.4	50.4		
2.5	48.9	50.4		
2.6	46.7	50.4	50.4	50.4
2.7	44.7	50.4	50.4	50.4
2.8	43.0	50.4	50.4	50.4
2.9	41.2	50.4	50.4	50.4
3.0	39.1	46.3	50.4	50.4
3.1			50.4	50.4
3.2			50.4	50.4
3.3			50.4	50.4
3.4			50.4	50.4
3.5			48.5	50.4
3.6			46.0	50.4
3.7			42.7	48.4
3.8			39.7	44.7
3.9			36.9	41.1
4.0			34.1	37.7

Note:
- PERI PEP Ergo E-300 and PEP Ergo E-400 Props fulfil Prop Class E load-bearing capacity requirements of DIN EN 1065.
- General Building Inspectorate Approval Z-8.311-941 of the German Institute for Building Technlogy (DIBt).

Slab Props
PEP 10

Permissible prop load [kN]

Extension length [m]	PEP 10-250 A L = 1.47 – 2.50 m	PEP 10-300 A L = 1.72 – 3.00 m	PEP 10-350 A L = 1.97 – 3.50 m	PEP 10-400 A L = 2.22 – 4.00 m
1.50	25.0			
1.60	25.0			
1.70	25.0			
1.80	23.1	25.0		
1.90	20.8	24.9		
2.00	18.8	22.5	25.0	
2.10	17.0	20.4	23.8	
2.20	15.5	18.6	21.7	
2.30	14.2	17.0	19.8	22.7
2.40	13.0	15.6	18.2	20.8
2.50	12.0	14.4	16.8	19.2
2.60		13.3	15.5	17.8
2.70		12.3	14.4	16.5
2.80		11.5	13.4	15.3
2.90		10.7	12.5	14.3
3.00		10.0	11.7	13.3
3.10			10.9	12.5
3.20			10.3	11.7
3.30			9.6	11.0
3.40			9.1	10.4
3.50			8.6	9.8
3.60				9.3
3.70				8.8
3.80				8.3
3.90				7.9
4.00				7.5

Note:
- PERI PEP 10-250 A, PEP 10-300 A, PEP 10-350 A and PEP 10-400 A props fulfil Prop Class A load-bearing capacity requirements of DIN EN 1065.
- The permissible values are valid when using the bottom outer and inner tubes.

Slab Props
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** L = 1.71 – 3.00 m		**PEP 20-350** L = 1.96 – 3.50 m		**PEP 20-400** L = 2.21 – 4.00 m		**PEP 20-500** L = 2.71 – 5.00 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
1.60	35.0	35.0								
1.70	35.0	35.0								
1.80	35.0	35.0	36.4	36.4						
1.90	35.0	35.0	36.4	36.4						
2.00	33.5	35.0	36.1	36.4	36.4	36.4				
2.10	31.9	35.0	33.2	36.4	36.4	36.4				
2.20	30.9	35.0	31.4	36.4	36.4	36.4				
2.30	29.8	35.0	29.9	36.4	36.4	36.4	36.4	36.4		
2.40	28.6	35.0	28.7	36.4	36.4	36.4	36.4	36.4		
2.50	27.1	32.9	27.7	36.4	36.4	36.4	36.4	36.4		
2.60	24.8	29.4	26.9	36.3	34.8	36.4	36.4	36.4		
2.70			25.7	32.7	33.4	36.4	36.4	36.4		
2.80			24.0	29.3	32.1	36.4	36.4	36.4	36.4	36.4
2.90			22.3	26.5	31.1	36.4	36.4	36.4	36.4	36.4
3.00			20.5	23.9	30.1	36.4	36.4	36.4	36.4	36.4
3.10					28.3	35.7	34.6	36.4	36.4	36.4
3.20					26.5	32.5	33.5	36.4	36.4	36.4
3.30					24.8	29.7	32.1	36.4	36.4	36.4
3.40					23.1	27.2	30.5	36.4	36.4	36.4
3.50					21.3	24.8	28.7	34.9	36.4	36.4
3.60							26.9	32.1	36.4	36.4
3.70							25.3	29.8	36.4	36.4
3.80							23.7	27.6	36.4	36.4
3.90							22.3	25.5	36.4	36.4
4.00							20.7	23.5	35.3	36.4
4.10									33.3	36.4
4.20									31.5	36.4
4.30									29.8	35.0
4.40									28.2	32.9
4.50									26.8	30.8
4.60									25.3	28.9
4.70									24.1	27.2
4.80									22.8	25.7
4.90									21.5	24.1
5.00									20.3	22.1

All PEP 20 Props correspond to Class D of DIN EN 1065, i. e. the permissible load for all extension lengths is a minimum of 20 kN.

When using PERI Slab Tables, the permissible load for all PEP 20 Props is a minimum of 30 kN over the entire extension lengths due to the clamping in the Table Swivel Head or UNIPORTAL Head.

*For the N Props, a use of the inner tube at the bottom is only possible in connection with PERI Slab Tables or SKYDECK (bolted head).

Slab Props
PEP 20 with Base MP 50

Permissible prop load [kN] according to the type test

Overall height [m] (prop extension + 50 cm)	PEP 20 N 260* L = 1.51 – 2.60 m		PEP 20-300 L = 1.71 – 3.00 m		PEP 20-350 L = 1.96 – 3.50 m		PEP 20-400 L = 2.21 – 4.00 m		PEP 20-500 L = 2.71 – 5.00 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
2.10	36.4	36.4								
2.20	36.4	36.4								
2.30	36.4	36.4	36.4	36.4						
2.40	34.2	36.4	36.4	36.4						
2.50	31.9	36.4	34.9	36.4	36.4	36.4				
2.60	30.4	36.4	31.8	36.4	36.4	36.4				
2.70	28.7	36.4	29.6	36.4	36.4	36.4				
2.80	27.3	34.7	27.8	36.4	36.4	36.4	36.4	36.4		
2.90	26.3	30.7	26.4	35.8	36.4	36.4	36.4	36.4		
3.00	24.5	27.5	25.2	32.1	35.0	36.4	36.4	36.4		
3.10	22.2	24.7	24.2	28.8	32.9	36.4	36.4	36.4		
3.20			23.1	26.3	31.1	36.4	36.4	36.4		
3.30			21.4	23.9	29.7	36.4	36.4	36.4	36.4	36.4
3.40			19.9	21.8	28.4	34.2	35.7	36.4	36.4	36.4
3.50			18.1	19.8	27.0	30.7	33.9	36.4	36.4	36.4
3.60					25.3	28.6	32.3	36.4	36.4	36.4
3.70					23.6	26.1	30.8	35.3	36.4	36.4
3.80					22.0	24.2	29.1	32.7	36.4	36.4
3.90					20.4	22.5	27.3	30.0	36.4	36.4
4.00					18.9	20.7	25.5	27.8	36.4	36.4
4.10							23.9	26.1	36.4	36.4
4.20							22.4	24.2	36.4	36.4
4.30							21.0	22.8	35.6	36.4
4.40							19.7	21.2	33.6	36.4
4.50							18.3	19.7	31.6	34.2
4.60									29.3	32.1
4.70									28.0	30.0
4.80									26.5	28.4
4.90									25.1	26.8
5.00									23.8	25.4
5.10									22.6	24.0
5.20									21.4	22.7
5.30									20.3	21.6
5.40									19.1	20.4
5.50									18.1	19.1

*For the N Props, a use of the inner tube at the bottom is only possible in connection with PERI Slab Tables or SKYDECK (bolted head).

Slab Props
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 L = 1.71 – 3.00 m		PEP 30-350 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	36.4	36.4								
1.10	36.4	36.4								
1.20	36.4	36.4								
1.30	35.9	36.4								
1.40	35.3	36.4								
1.50	34.5	36.4	42.9	42.9						
1.60			42.9	42.9						
1.70			42.9	42.9						
1.80			42.1	42.9	42.9	42.9				
1.90			39.7	42.9	42.9	42.9				
2.00			37.9	42.9	42.9	42.9	45.5	45.5		
2.10			36.4	42.9	42.9	42.9	45.5	45.5		
2.20			35.5	42.9	42.9	42.9	45.5	45.5		
2.30			34.3	41.5	42.9	42.9	45.5	45.5	41.5	41.5
2.40			33.1	38.7	42.7	42.9	45.5	45.5	41.5	41.5
2.50			31.0	35.9	41.1	42.9	45.5	45.5	41.5	41.5
2.60					40.0	42.9	45.5	45.5	41.5	41.5
2.70					38.5	42.9	45.5	45.5	41.5	41.5
2.80					36.9	41.6	45.5	45.5	41.5	41.5
2.90					34.2	38.3	45.0	45.5	41.5	41.5
3.00					31.3	34.8	43.6	45.5	41.5	41.5
3.10							41.4	44.2	41.5	41.5
3.20							38.7	42.1	41.5	41.5
3.30							36.1	38.7	41.5	41.5
3.40							33.3	35.7	41.5	41.5
3.50							30.7	32.5	41.5	41.5
3.60									41.5	41.5
3.70									41.3	41.5
3.80									38.5	41.3
3.90									35.9	38.1
4.00									33.2	34.9

All PEP 30 Props correspond to Class E of DIN EN 1065, i. e. the permissible load for all extension lengths is a minimum of 30 kN.

When using PERI slab tables, the permissible load for all PEP 30 Props is a minimum of 40 kN (PEP 30-150 = 35 kN) over the entire extension lengths due to the clamping in the Table Swivel Head or UNIPORTAL Head.

Slab Props
PEP 30 with Base MP 50

Permissible prop load [kN] according to the type test

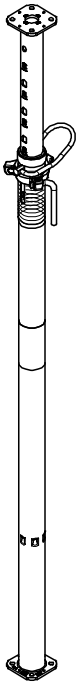
Overall height [m] (prop extension + 50 cm)	PEP 30-250 L = 1.46 – 2.50 m		PEP 30-300 L = 1.71 – 3.00 m		PEP 30-350 L = 1.96 – 3.50 m		PEP 30-400 L = 2.21 – 4.00 m	
	Outer tube bottom	Inner tube bottom	Outer tube bottom	Inner tube bottom	Outer tube bottom	Inner tube bottom	Outer tube bottom	Inner tube bottom
2.00	42.9	42.9						
2.10	42.9	42.9						
2.20	42.9	42.9						
2.30	40.1	42.9	42.9	42.9				
2.40	37.2	42.9	42.9	42.9				
2.50	35.0	42.9	42.9	42.9	45.4	45.4		
2.60	33.2	42.3	42.9	42.9	45.4	45.4		
2.70	31.8	39.8	42.9	42.9	45.4	45.4		
2.80	30.6	36.4	41.6	42.9	45.4	45.4	41.5	41.5
2.90	28.4	32.3	39.5	42.9	45.4	45.4	41.5	41.5
3.00	26.7	28.5	37.6	42.5	45.4	45.4	41.5	41.5
3.10			36.2	41.2	45.4	45.4	41.5	41.5
3.20			33.9	37.9	45.1	45.4	41.5	41.5
3.30			32.1	34.2	43.0	45.4	41.5	41.5
3.40			29.4	31.2	40.0	43.0	41.5	41.5
3.50			26.9	27.9	38.2	40.9	41.5	41.5
3.60					35.8	37.6	41.5	41.5
3.70					33.4	34.5	41.5	41.5
3.80					30.9	31.8	41.5	41.5
3.90					28.6	29.6	43.1	41.5
4.00					26.3	27.1	40.6	42.1
4.10							37.8	39.1
4.20							35.3	36.2
4.30							33.0	33.9
4.40							30.8	31.4
4.50							28.4	29.0

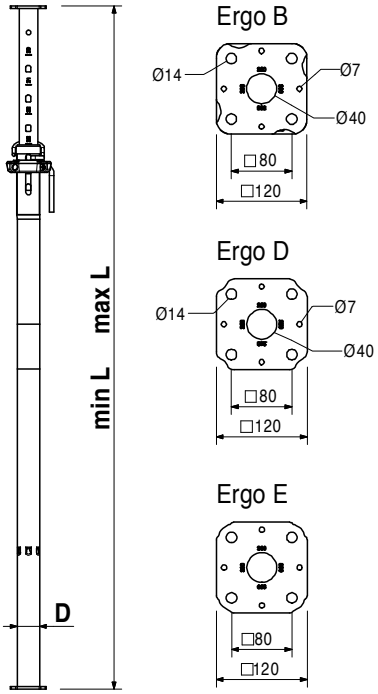
PEP Slab Props

Item no.	Weight kg	Slab Props PEP Ergo	D	min. L	max. L
116780	14.000	**Slab Prop PEP Ergo B-300**	Ø 60.6	1970	3000
116790	15.600	**Slab Prop PEP Ergo B-350**	Ø 60.6	2250	3500
117230	9.110	**Slab Prop PEP Ergo D-150**	Ø 60.6	980	1500
116770	13.100	**Slab Prop PEP Ergo D-250**	Ø 60.6	1470	2500
125130	19.400	**Slab Prop PEP Ergo D-350**	Ø 71.0	2260	3500
125140	22.900	**Slab Prop PEP Ergo D-400**	Ø 76.5	2510	4000
125150	30.400	**Slab Prop PEP Ergo D-500**	Ø 83.0	3260	5000
125160	19.400	**Slab Prop PEP Ergo E-300**	Ø 76.5	1960	3000
125170	26.600	**Slab Prop PEP Ergo E-400**	Ø 83.0	2510	4000

Slab prop made of steel.

Note
Permissible load: see PERI Design Tables.



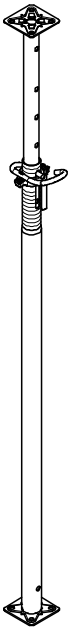


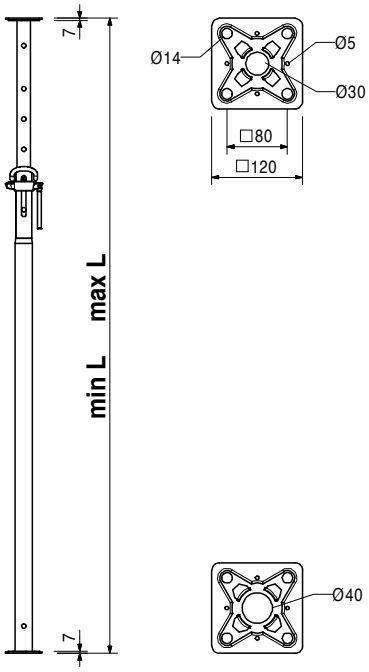
PEP Slab Props

Item no.	Weight kg		min. L	max. L
		Slab Props PEP 10, galv.		
406434	10.100	**Slab Prop PEP 10-250 A, galv.**	1470	2500
406433	11.500	**Slab Prop PEP 10-300 A, galv.**	1720	3000
406432	13.400	**Slab Prop PEP 10-350 A, galv.**	1970	3500
406429	14.900	**Slab Prop PEP 10-400 A, galv.**	2220	4000

Lightweight slab prop made of steel.

Note
Permissible load: see PERI Design Tables.

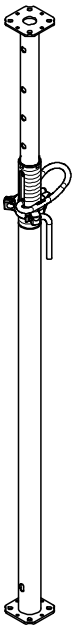


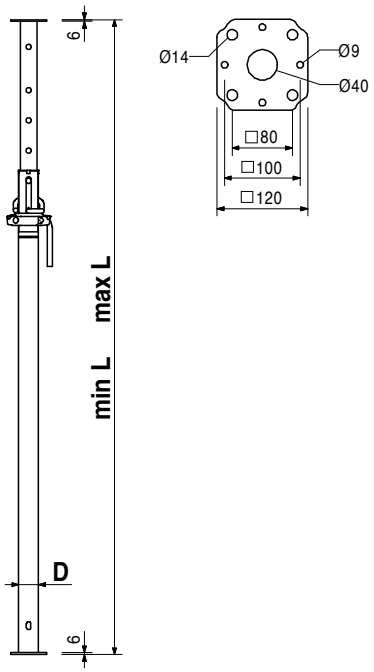


Item no.	Weight kg		D	min. L	max. L
		Slab Props PEP 20, galv.			
103058	16.100	**Slab Prop PEP 20-300, galv.**	Ø 66.0	1710	3000
103059	19.600	**Slab Prop PEP 20-350, galv.**	Ø 71.5	1960	3500
103060	22.900	**Slab Prop PEP 20-400, galv.**	Ø 75.5	2210	4000
103061	30.600	**Slab Prop PEP 20-500, galv.**	Ø 84.0	2710	5000

Slab prop made of steel.

Note
Permissible load: see PERI Design Tables.



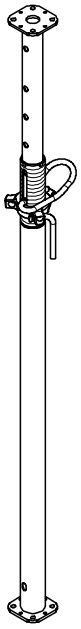


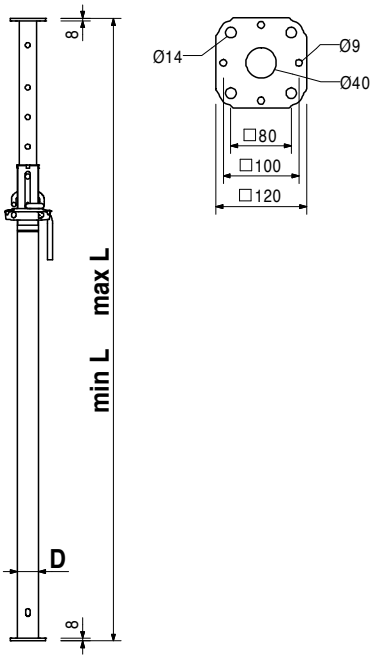
PEP Slab Props

Item no.	Weight kg		D	min. L	max. L
		Slab Props PEP 30, galv.			
103066	10.800	**Slab Prop PEP 30-150, galv.**	Ø 66.0	960	1500
103067	15.400	**Slab Prop PEP 30-250, galv.**	Ø 66.0	1460	2500
103062	19.000	**Slab Prop PEP 30-300, galv.**	Ø 71.5	1710	3000
103063	23.100	**Slab Prop PEP 30-350, galv.**	Ø 75.5	1960	3500
103065	27.500	**Slab Prop PEP 30-400, galv.**	Ø 84.0	2210	4000

Slab prop made of steel.

Note
Permissible load: see PERI Design Tables.

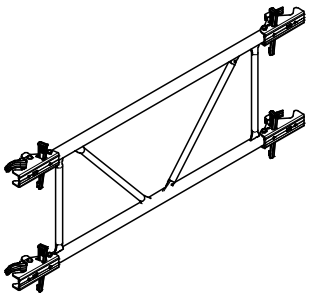


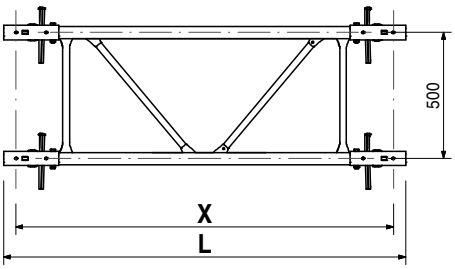


Item no.	Weight kg		L	X
		PEP Frames PRK, Steel		
111811	13.700	**PEP Frames PRK 62.5**	723	625
111812	13.900	**PEP Frames PRK 75**	848	750
112813	15.900	**PEP Frames PRK 100**	1098	1000
112814	17.800	**PEP Frames PRK 120**	1298	1200
111813	19.200	**PEP Frames PRK 137.5**	1473	1375
111814	20.100	**PEP Frames PRK 150**	1598	1500

Stiffening frame for PEP slab props.
Complete with captive wedge coupling.

Note
L = Loading Length
X = Axis Length



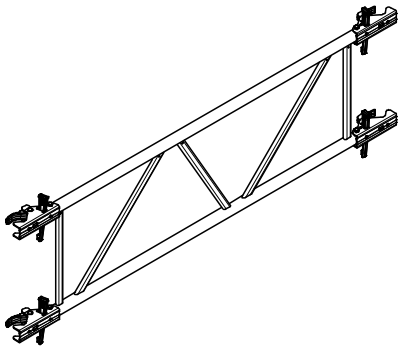


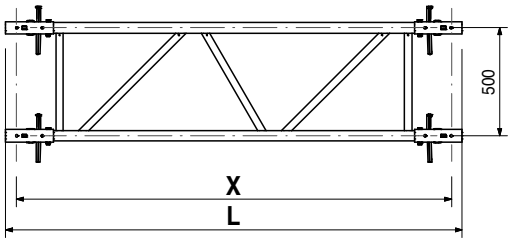
PEP Slab Props

Item no.	Weight kg		L	X
		PEP Frames PRK		
112718	15.300	**PEP Frames PRK 200**	2098	2000
111815	15.400	**PEP Frames PRK 201.5**	2113	2015
112788	15.600	**PEP Frames PRK 210**	2198	2100
111816	16.100	**PEP Frames PRK 225**	2348	2250
111817	16.300	**PEP Frames PRK 230**	2398	2300
111818	17.700	**PEP Frames PRK 266**	2758	2660
111819	18.700	**PEP Frames PRK 296**	3058	2960

Stiffening frame for PEP slab props.
Complete with captive wedge coupling.

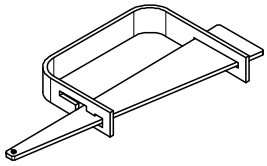
Note
L = Loading Length
X = Axis Length

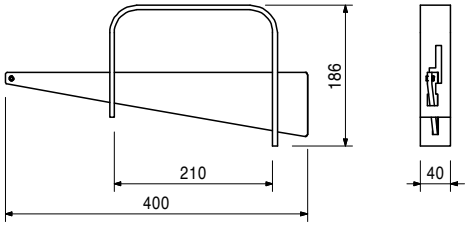




027940	1.840	**Brace Clamp, galv., 48 – 76 mm**

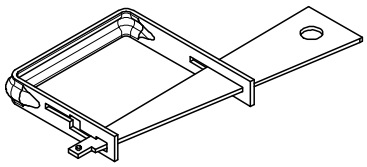
For assembly of 3 x 15 cm stiffening boards at slab props Ø 48 – 76 mm.

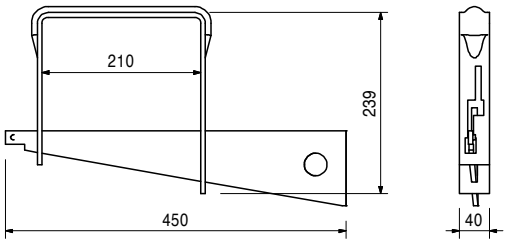




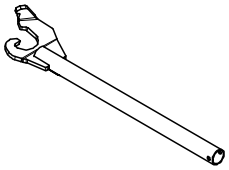
027790	2.460	**Brace Clamp HL, galv., 76 – 120 mm**

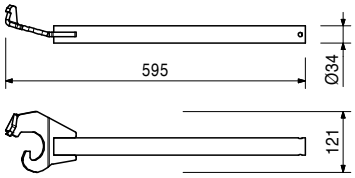
For assembly of 3 x 15 cm stiffening boards at slab props Ø 76 – 89 mm and 100 x 100 mm to 120 x 120 mm.





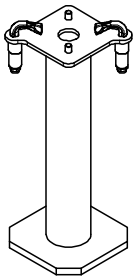
Item no.	Weight kg	
118345	1.500	**Wing Nut Spanner PEP** Allows effortless loosening of the adjusting nut with maximum loaded props.

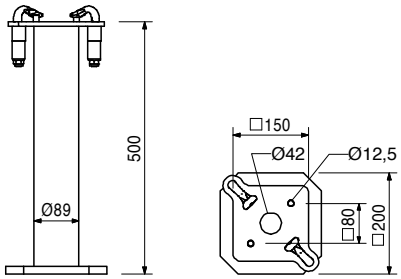




027310	8.900	**Base MP 50** For use with slab props with an end plate thickness of 6 – 10 mm. With clamped quick-release fastener.

Note
Permissible load: see PERI Design Tables.

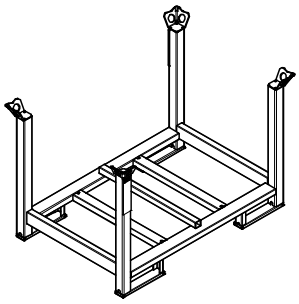


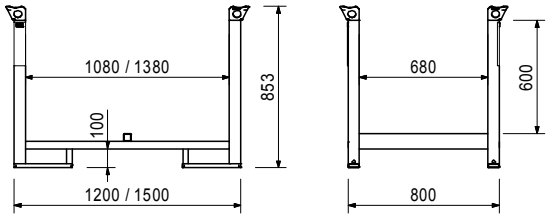


		Pallets RP-2, galv.
103434	38.500	**Pallet RP-2 80 x 120, galv.**
103429	45.300	**Pallet RP-2 80 x 150, galv.**

For stacking and transportation of formwork and scaffolding components.

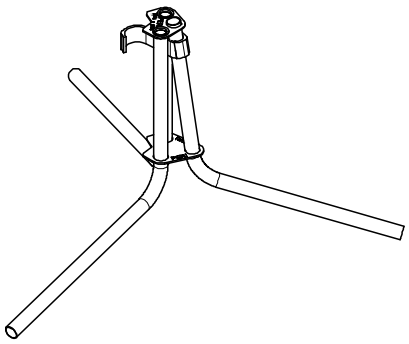
Note
Follow Instructions for Use!
Technical Data
Permissible load-bearing capacity 1.5 t.

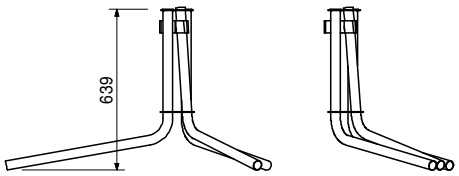




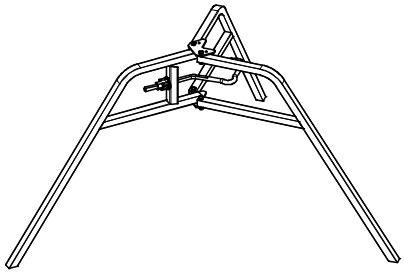
PEP Slab Props

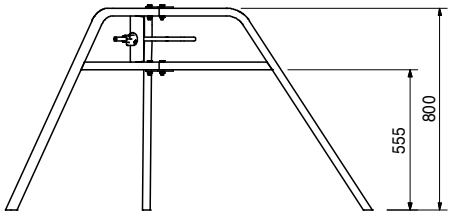
Item no.	Weight kg		
107152	5.810	**Tripod PEP Ergo, galv.** Erection aid for PEP Ergo Slab Props with Ø 44 – 64 mm.	**Note** Only use as erection aid!





028000	9.170	**Universal Tripod, galv.** Erection aid for slab props with Ø 48 – 120 mm and 120 x 120 mm. Can also be used in combination with MULTIPROP MP slab props and all slab props with Base MP 50.	**Note** Only use as erection aid!





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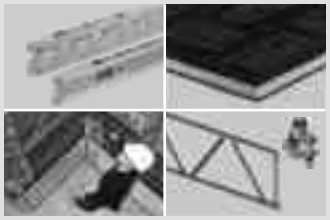

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