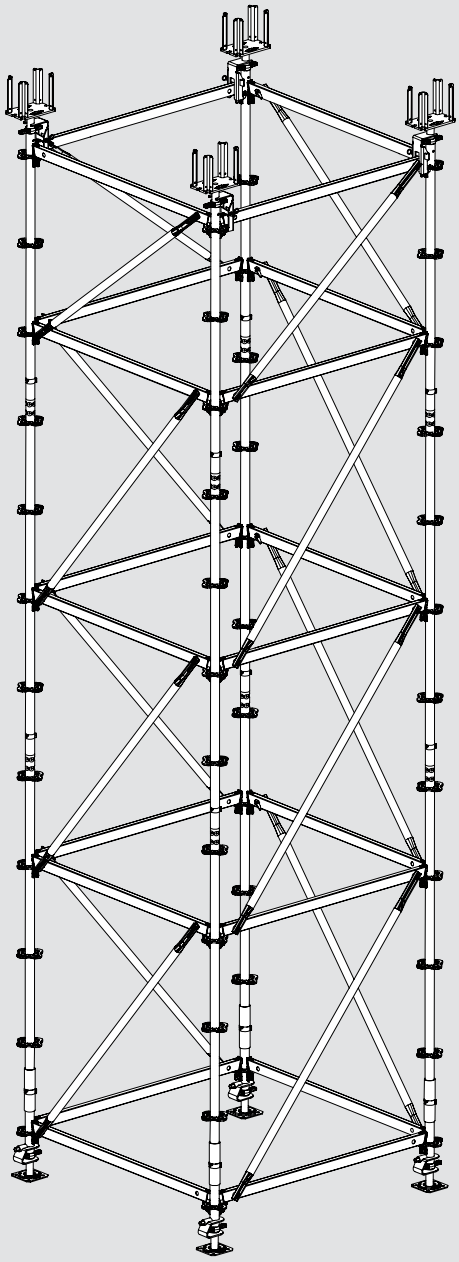
PERI UP Rosett
Shoring Tower

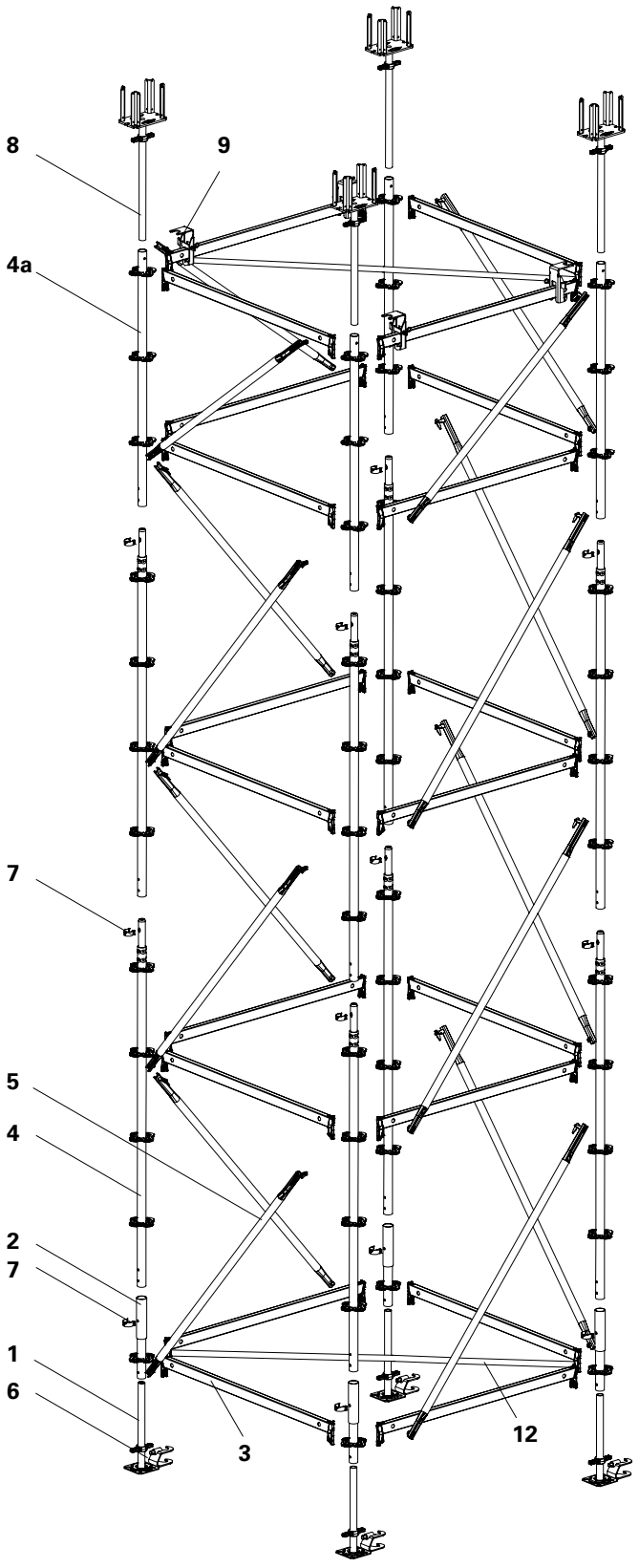
Assembly Instructions for Standard Configuration



Edition 04 | 2012

Introduction

Overview, Main components



1 Adjustable Base Plate
2 Base Standard UVB 24
3 Ledger UH
4 Standard UVR 200
4a Top Standard UVH
5 Ledger Brace UBL
6 Spindle Locking UJS
7 Locking Pin Ø 48/57
8 Cross Forkhead
9 Head Spindle Locking UJH
12 Horizontal Brace UBH Flex

Content

Key

Safety Instructions | Note | Visual Check | Tip

Introduction

Standard Configuration

Area of Application
The PERI UP Rosett shoring system allows a large range of project-specific application possibilities.
As a result of the building-specific risk assessment, there are also other ways of ensuring assembly reliability and working safety with the help of components from the PERI UP scaffolding kit (this includes decking, access openings, stairs).

Features
The PERI UP Rosett shoring tower is used in shoring constructions in a systematic vertical position for transferring vertical and, in part, horizontal loads. All components are galvanized. The main feature of the PERI UP Rosett system is the particularly rigid node connection between the rosettes of the standards and the ledgers.

For erecting the shoring towers, individual stanndards are connected with ledgers which are particularly easy to assemble due to the wedge connections. Bracing is installed in the form of system diagonals.Through the combination of standards with lengths of L = 2.0 m and top standards of varying lengths, all heights can be continuously achieved.

System Dimensions
Type-tested assembly heights as free-standing individual towers up to 8.39 m: restrained at the top up to 21.89 m (22.34 m with spindle section).

Technical data
Permissible load-bearing capacities: see type tests and PERI design tables.
PERI UP Rosett shoring towers correspond to Rating Class B1 in accordance with DIN EN 12812

Intended Use

1. PERI products have been exclusively designed as technical work equipment for use in the industrial and commercial sectors only by suitably trained personnel.

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

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

4. The components are to be inspected before each use to ensure that they are in perfect condition as well as being able to function properly.

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 at all times.

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 completed 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 whenever our products are used.

3. During unfavourable weather conditions, suitable precautions and measures are to be taken in order to ensure both working safety and stability.

4. The contractor (user) must ensure the stability throughout all phases of construction. He must 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 through the provision of safe access ways. 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 drawings are partly incomplete. The safety installations which have possibly not been featured in these detailed drawings must nevertheless be available.

Storage and Transportation
1. Do not drop the components.

2. 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.

3. When moving the components, make sure they are lifted and set down so that any unintentional tilting over, falling apart, sliding or rolling away 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 on clean, flat and sufficiently load-bearing surfaces only.

In order to maintain the value and operational readiness of the components over a long period of time, ensure that they are carefully handled at all times.

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.

General

Additional PERI product information
- PERI UP Rosett shoring tower type test
- PERI design tables
- Instructions for Use for the trolley and winch unit
- Instructions for Use for pallets and stacking devices

The structures shown in these assembly instructions are examples and feature only one ground plan. It applies to all ground plans in the standard configuration.

A1 Horizontal Assembly

General

The PERI UP Rosett shoring tower is shown without additional ledgers.

A1.1 Base Unit

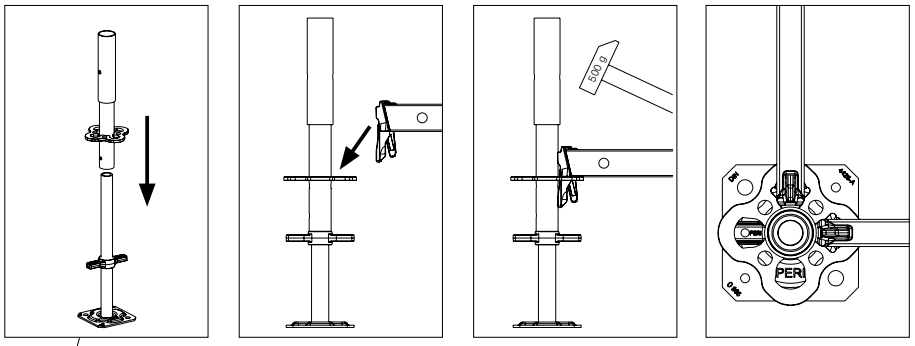
The base unit is vertically assembled up to a height of 2.0 m.
For further assembly, the base unit is positioned on its side and forms the basis for the horizontal assembly of the shoring tower.

Base Frame

1	Adjustable Base Plate UJB	4x
2	Base Standard UVB 24	4x
3	Ledger UH 150	4x
6	Spindle Locking UJS	4x

Assembly aids:

12	Horizontal Brace UBH Flex	1x



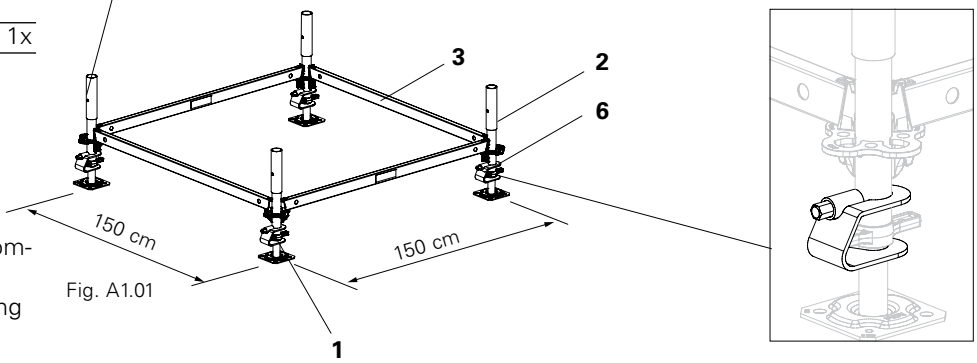


Fig. A1.01

Assembly

1. Assemble base frame using the components. Fig. A1.01
2. Horizontally align frame by adjusting the Adjustable Base Plates.
3. Right-angle adjustment of the frame with Horizontal Brace UBH Flex.
Also serves as bracing during transportation by crane. Fig. A1.02
4. Secure all wedges by hammering in using a 500 g hammer.
5. Secure Adjustable Base Plates by means of spindle locking devices.

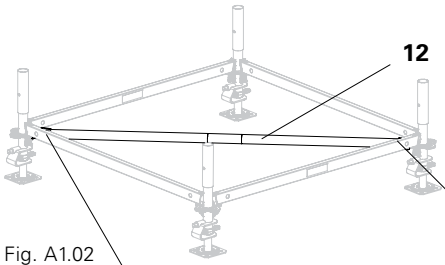
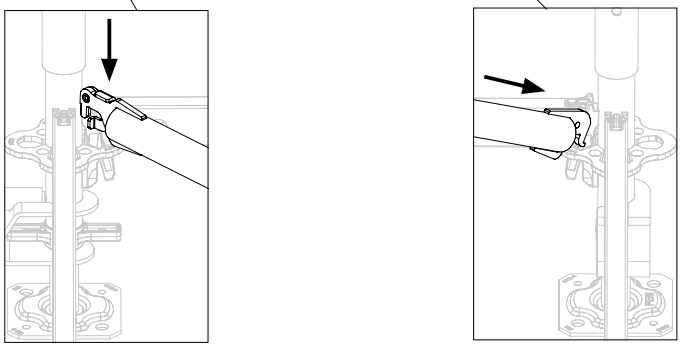


Fig. A1.02



All pegging holes in the Base Standard are to be aligned in one direction.

A1 Horizontal Assembly

Standards and ledgers

4	Standard UVR 200	4x
3	Ledger UH 150	4x
5	Ledger Brace UBL 150/150	4x
7	Locking Pin Ø 48/57	4x
	Alternative: Hex. Bolt M10x70, 8.8 Nut M10	

Assembly

1. Insert Standards UVR and tightly connect using Locking Pins Ø 48/57.
2. Install Ledgers UH.
3. Insert Ledger Braces UBL with the lower finger in the bottom Ledger UH. Insert the gravity pin in the holes of the top ledger, turn pin to secure.
4. Ledgers UH are secured with hammer blows.

Fig. A1.03

5. Position base unit on support timbers (min. 6 cm high) for further assembly.
6. If necessary, the Horizontal Brace UBH can be removed.

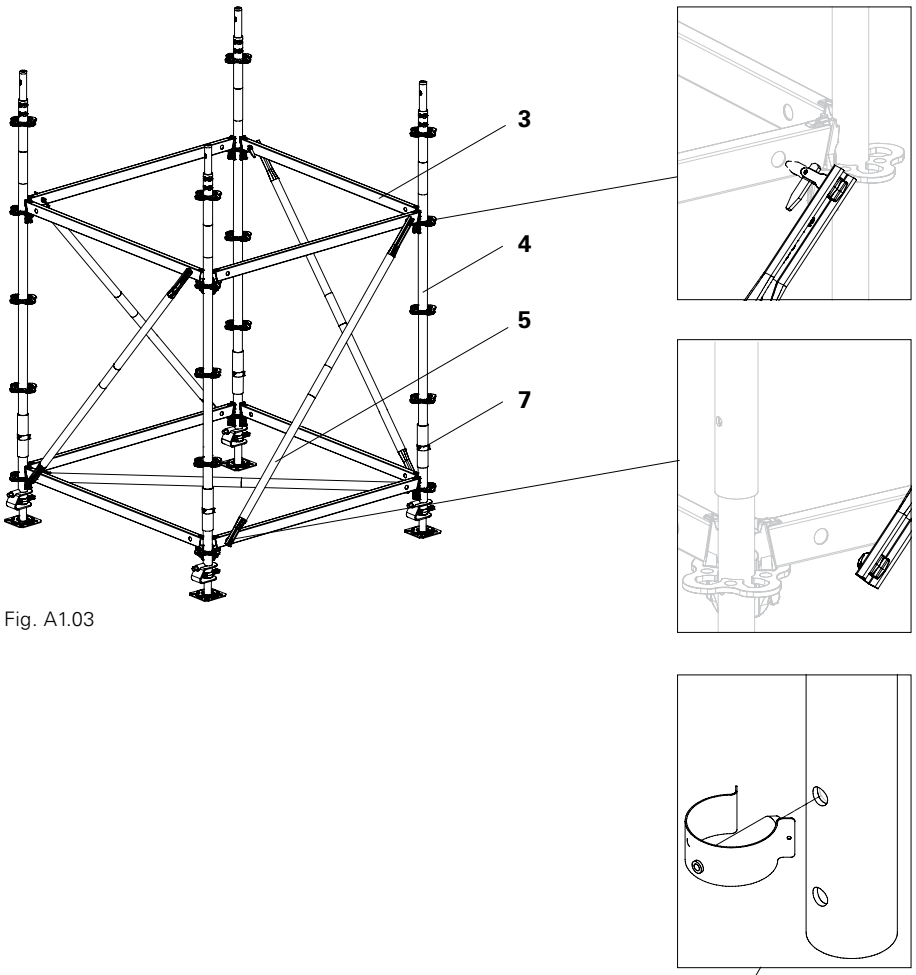


Fig. A1.03

Ledgers UH are secured with hammer blows only after the Ledger Braces UBL have been installed.

A1.2 Horizontal assembly of the tower

Standard

4	Standard UVR 200	4x
7	Locking Pin Ø 48/57	4x
	Alternative: Hex. Bolt M10x70, 8.8 Nut M10	

Assembly

Insert Standards UVR and tightly connect using Locking Pins Ø 48/57.

Fig. A1.04

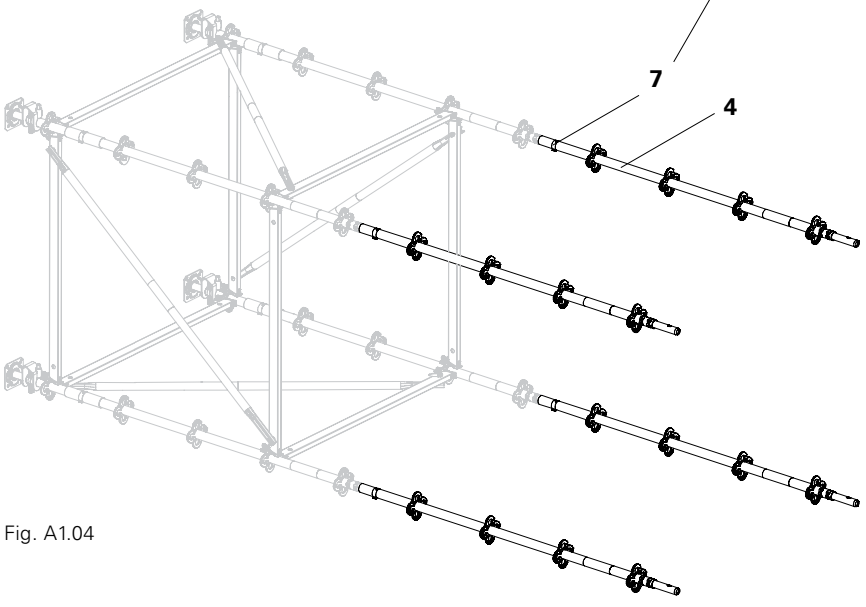


Fig. A1.04

A1 Horizontal Assembly

Ledgers and Diagonals

3	Ledger UH 150	4x
5	Ledger Brace UBL 150/150	4x

Assembly

1. Attach Ledger UH.
2. Mount Ledger Braces UBL:
Mount the bottom-positioned Ledger Braces UBL from the inside.
Insert Ledger Brace UBL with the lower finger in the bottom Ledger UH.
Insert the gravity pin in the holes of the top ledger, turn pin to secure.
Fig. A1.05
3. The assembly procedure is repeated until the required height is reached, see Pos. 1 and 2. Last standard = Top Standard UVH.

Assembly of Top Tower Unit, see A1.3.

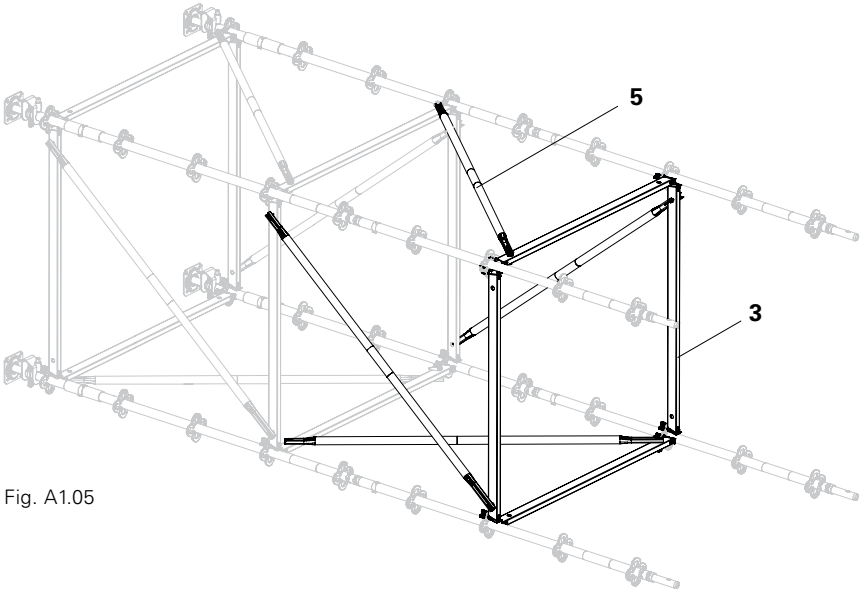


Fig. A1.05

A1 Horizontal Assembly

A1.3 Assembly of Top Tower Unit

Shown here in a vertical position due to didactic reasons!

Top Standard

4a	Top Standard UVH	4x
3	Ledger UH 150	8x
5	Ledger Brace UBL 150/150	4x
5a	Ledger Brace UBL 150/100*	8x
7	Locking Pin Ø 48/57	4x
	Alternative: Hex. Bolt M10x70, Nut M10	8.8
12	Horizontal Brace UBH Flex	1x
13	Cross Forkhead TR 38-70/50	4x
14	Head Spindle Locking UJH	4x

* depends on the height

Assembly

1. Insert Top Standard UVH for height adjustment. (UVH 100, 150, 200, 250).
2. Tightly connect Top Standard UVH using Locking Pin Ø 48/57.
3. Attach Ledger UH.
4. Mount Ledger Braces UBL and secure Ledger UH with hammer blows.
5. Insert Cross Forkhead and secure with Head Spindle Locking UJH.
6. Install Horizontal Brace UBH Flex.

Fig. A1.06 + A1.06a

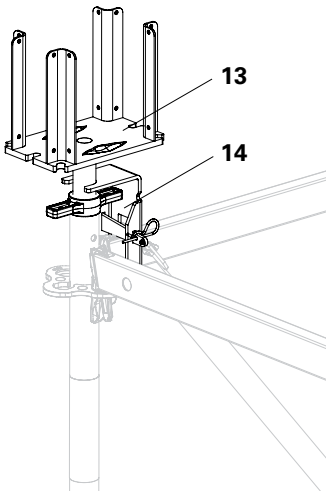


Fig. A1.06a

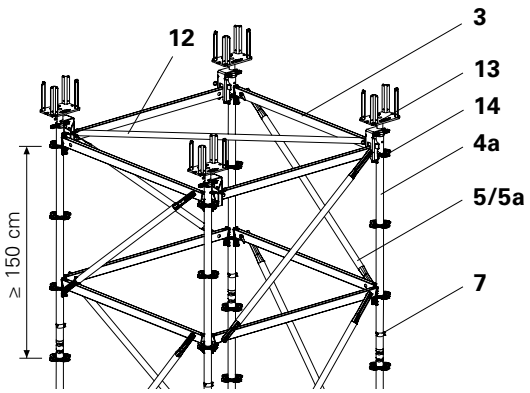


Fig. A1.06

Height Adjustment

Fig. A1.07a - A1.07d

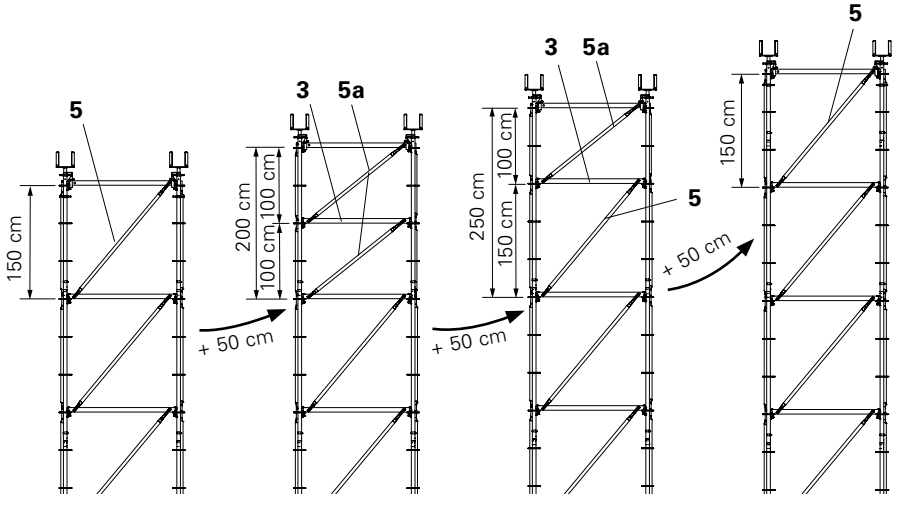


Fig. A1.07a / 07d | Fig. A1.07b | Fig. A1.07c | Fig. A1.07d / 07a

A1 Horizontal Assembly

A1.4 Erection with the crane

Ensure that all standards are tightly connected!

Erection
Attach four fabric web straps below the Rosett nodes which are fitted with Ledgers UH.
Fig. A1.08 + A1.08a

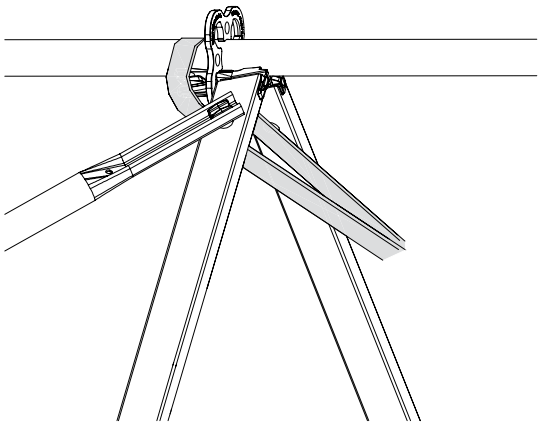


Fig. A1.08a

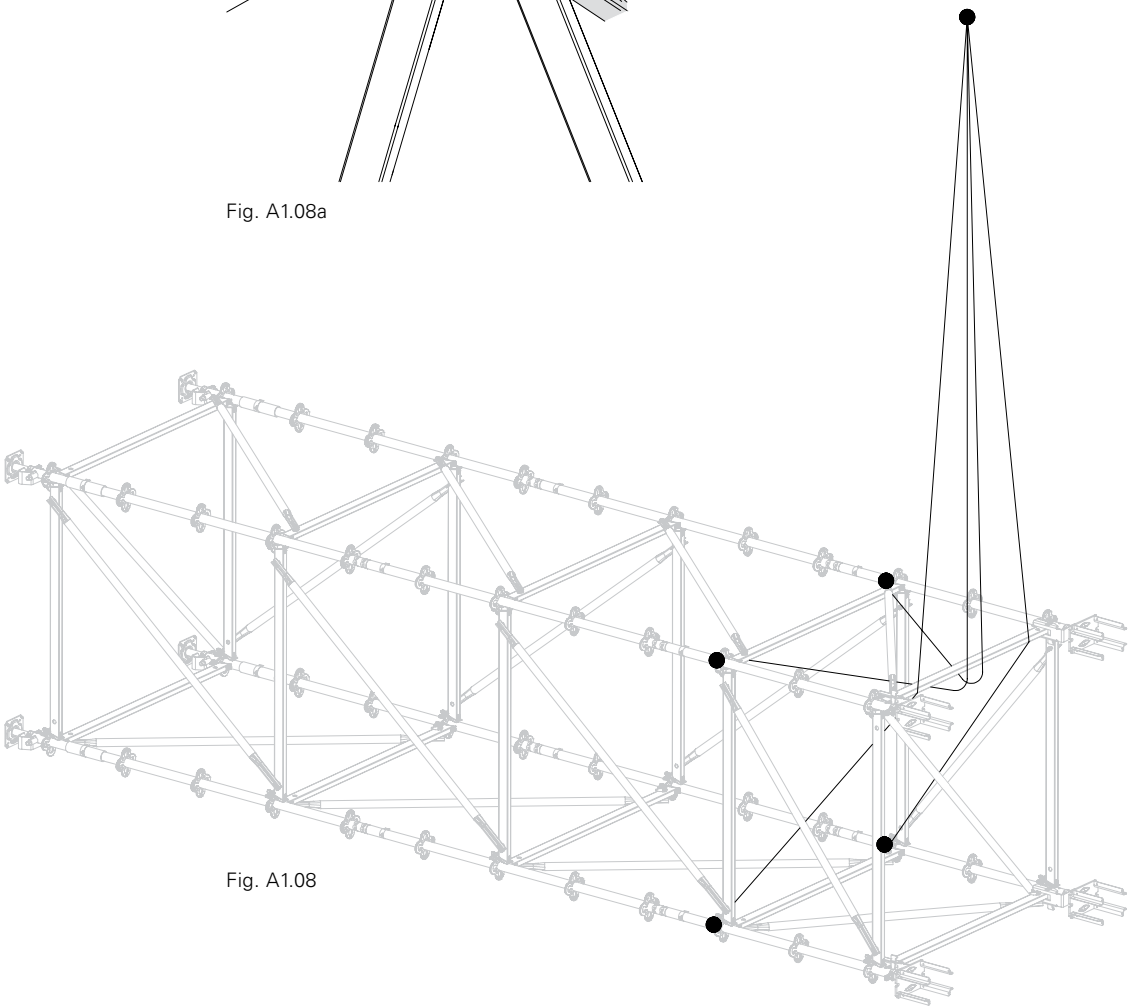
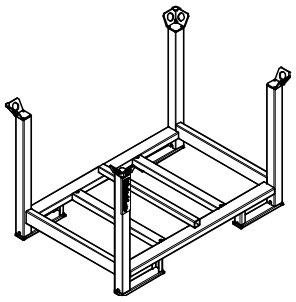


Fig. A1.08

A2 Horizontal Dismantling

A2.1 Dismantling

1. Attach four fabric web straps below the Rosett nodes which are fitted with Ledgers UH and fix to crane.
2. Position tower on support timbers with the crane.
3. Dismantle individual tower components and store accordingly, e.g. pallets.
Fig. A2.01



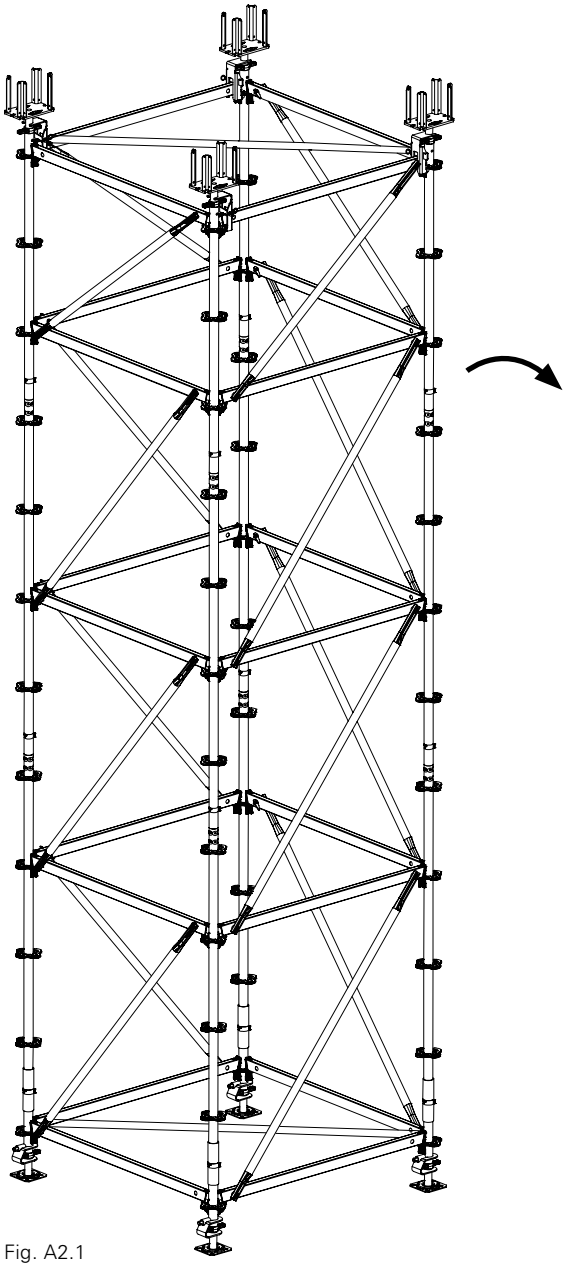


Fig. A2.1

B1 System Supplementation

B1.1 Tower with Section Spindles

Spindle extensions
Base Spindle: max. 200 mm
Head Spindle: max. 250 mm
Fig. B1.01

Section Spindle

16	Section Spindle UJK 38-110	4x
3	Ledger UH	8x
2	Base Standard UVB 24	4x
6	Spindle Locking UJS	4x
12	Horizontal Brace UBH Flex	1x

Installing the Section Spindle UJK
The Section Spindle UJK is mounted above the first Ledger Braces UBL (5) of the shoring tower.
1. Insert the Section Spindles UJK (16) into the Top Standards (4a), adjust the height and secure by means of Spindle Locking UJS.
2. Insert Base Standard UVB (2) and mount Ledger UH (3).
3. Continue erecting the shoring tower with Standards UVR (4) and brace with Ledgers UH.
4. Always install a Horizontal Brace UBH Flex (12) underneath the Section Spindles UJK.
Fig. B1.02

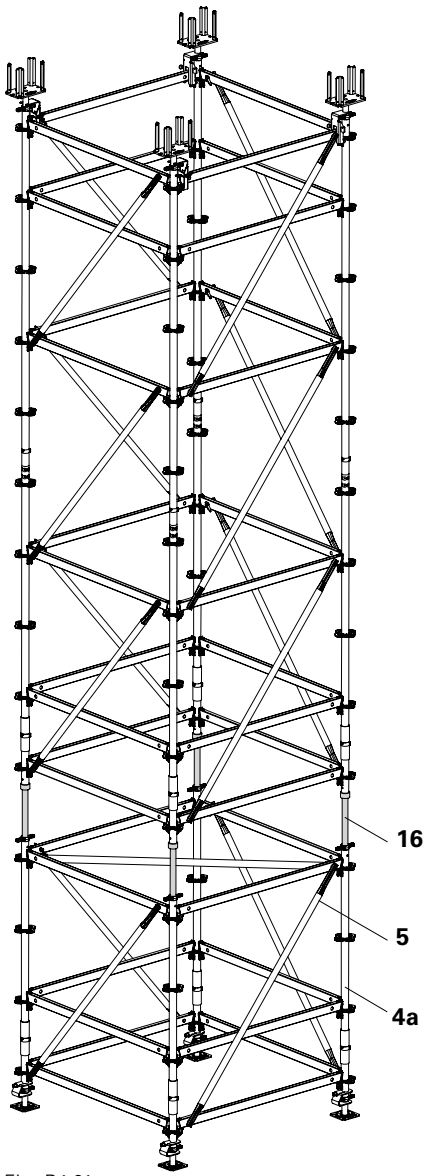
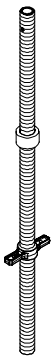


Fig. B1.01



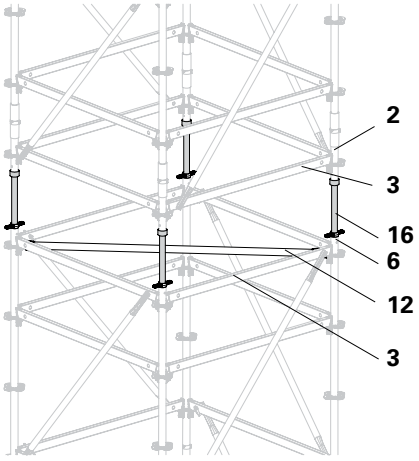


Fig. B1.02

B1 System Supplementation

Height extensions or reductions
Extending or reducing the height of the shoring tower is always useful if different supporting heights positioned one after the other are required. Completely dismantling and then re-assembling the tower is then not necessary.

Connecting parts

16	Section Spindle UJK 38-110	4x
7	Locking Pin Ø 48/57	4x
	Alternative: Hex. Bolt M10x70, 8.8 Nut M10	
14	Head Spindle Locking UJH	4x
12	Horizontal Brace UBH Flex	1x

Assembly
1. Remove Head and Base Spindles (1, 4a, 13).
2. Insert Section Spindles UJK (16) into the Head Standards UVH and adjust the height.
3. Attach the second shoring tower unit to the Section Spindles UJK.
4. Secure top Section Spindles UJK by means of locking pins (7). Secure bottom Section Spindles UJK using Head Spindle Locking Devices UJH (14).
5. Mount Horizontal Brace UBH (12) and secure with hammer blows.
Fig. B1.03

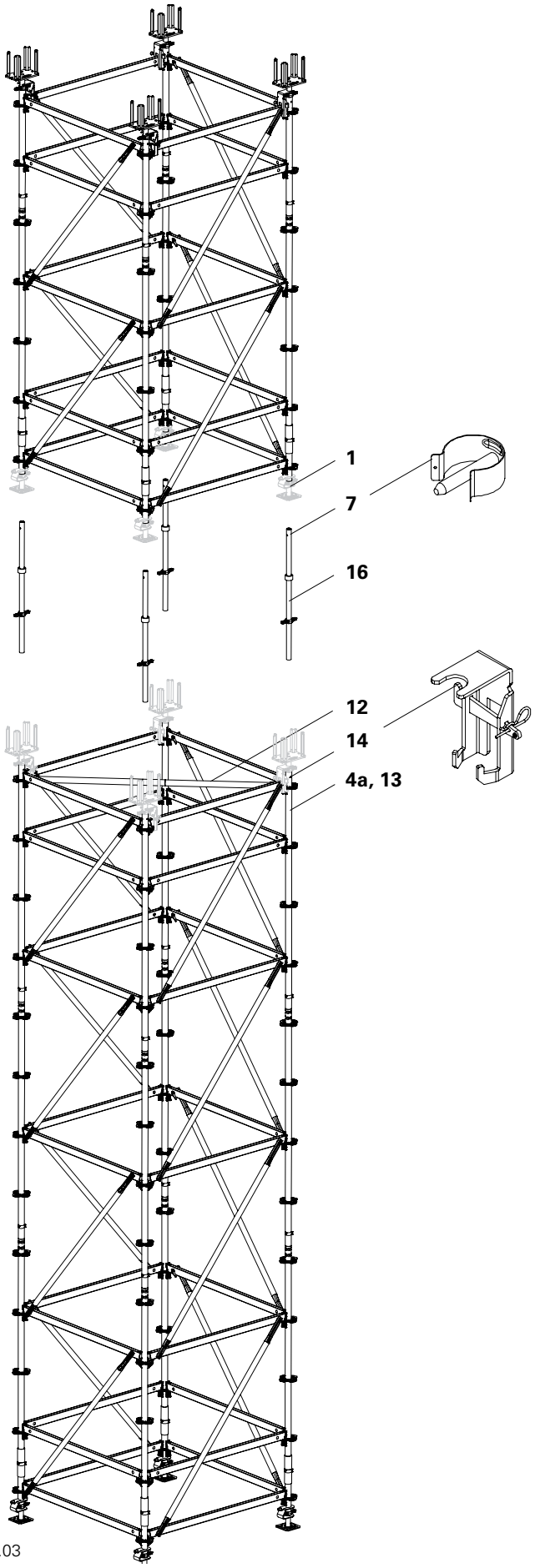


Fig. B1.03

B1 System Supplementation

B1.2 Moving the tower

Transportation Wheel UEW

17	Transportation Wheel UEW	4x

Assembly

1. Insert Transportation Wheel UEW with Spigot from below into the Rosettes and secure.
2. Peg the tube on the Transportation Wheel UEW (17), depending on the extension length of the Base Spindle.
3. Spindle out the Base Spindles until the Transportation Wheels UEW make contact with the ground.

Fig. B1.04 + B1.04a

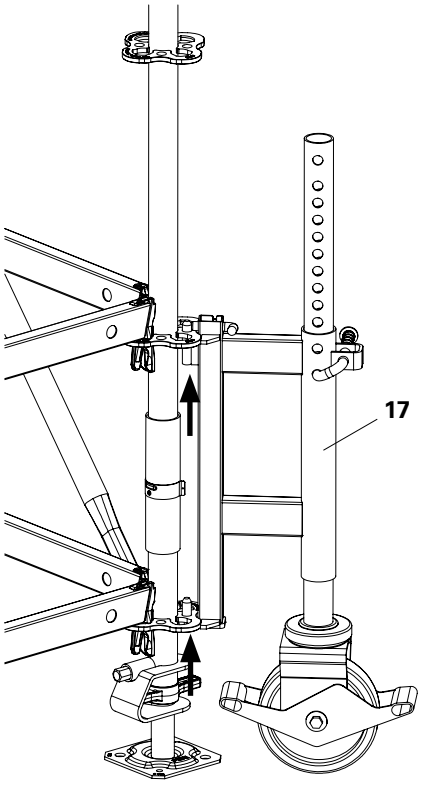


Fig. B1.04

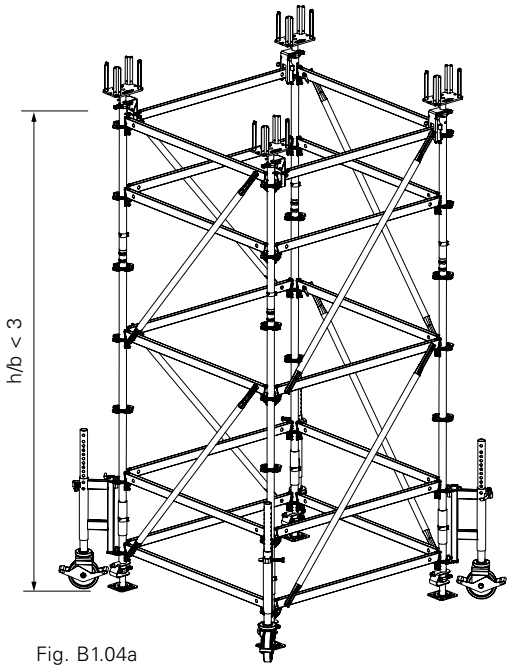


Fig. B1.04a

Ratio of scaffolding height to smallest installation width is smaller than 3:1 or 4:1 (only in closed rooms)

Lifting Trolley

18	Lifting Trolley	2x

For improved installation, the diagonal bracing should be mounted on the inside.

If the height between the ground and the bottom Ledger UH is less than 36 cm, the front wheels can be removed. Support of the UH Ledger with the carrying device of the lifting trolley.

Fig. B1.05 + B1.05a

Instructions for Use:
Lifting Trolley

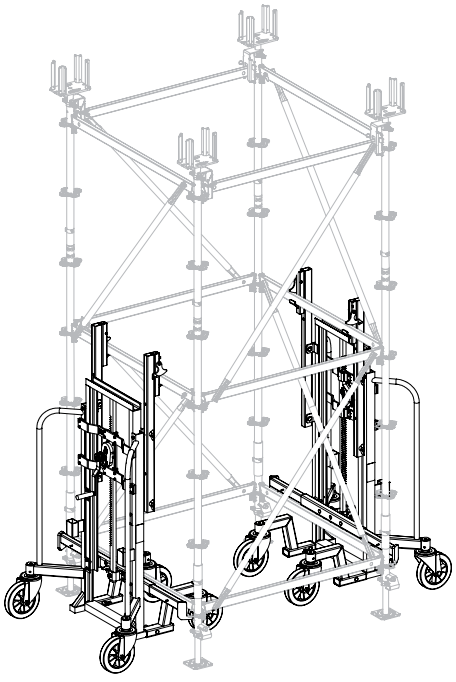


Fig. B1.05

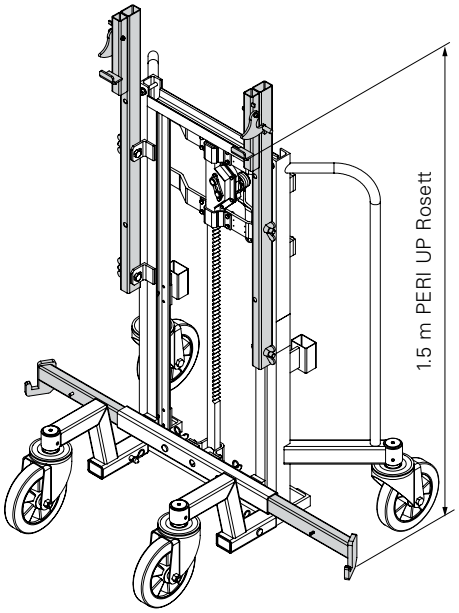


Fig. B1.05a

B1 System Supplementation

Transportation Fork 1t

19	Transportation Fork 1t	1x

- **Total weight of tower: max. 1t! Always follow the Instructions for Use!**
- **Tightly connect all standards!**
- **Secure tower to prevent unintentional lifting or moving!**

Assembly

1. Dismantle two Ledger Braces UBL in the area of the transportation fork.
2. Adjust Transportation Fork 1t to the width and pick up shoring tower under the Ledgers UH.
3. Move tower to new position and re-install Ledger Braces UBL.

Fig. B1.06 + B1.06a

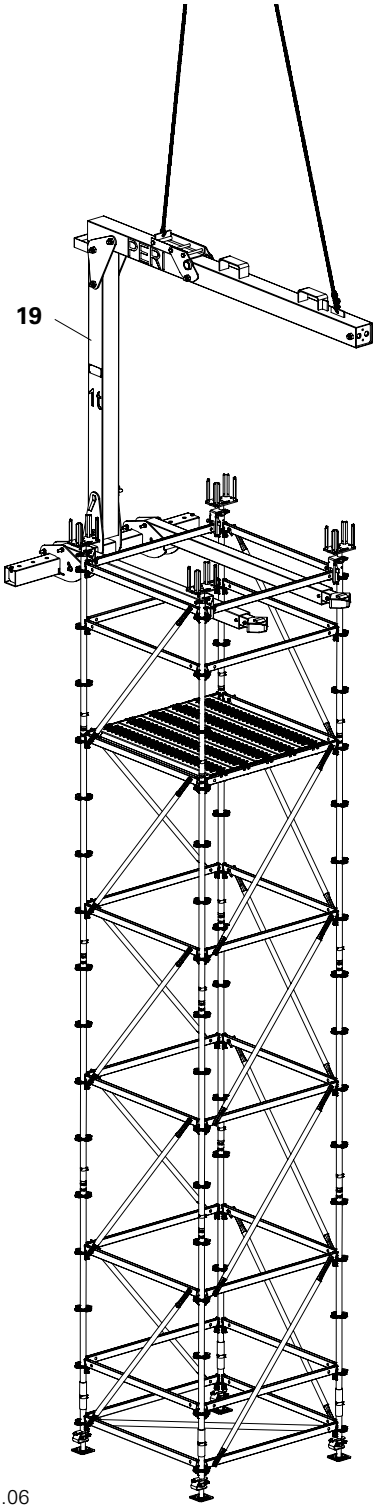


Fig. B1.06

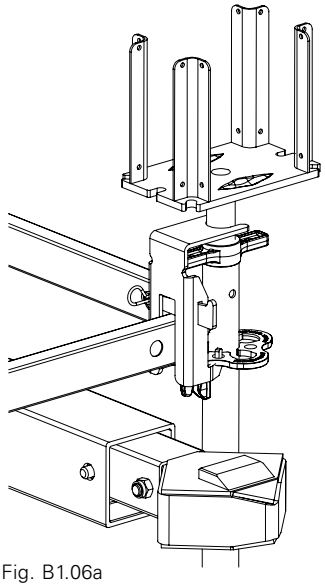


Fig. B1.06a

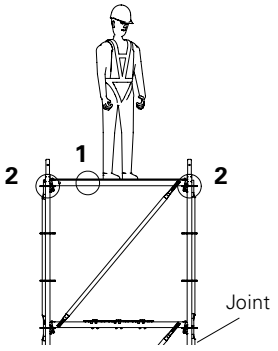
B1 System Supplementation

B1.3 Fixing points for PSE

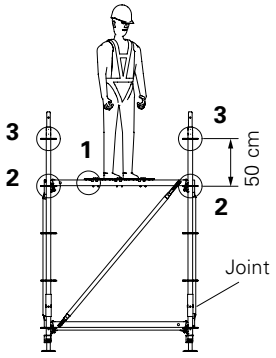
Each specified fixing point is intended for securing only one person!

General information
- The use of personal protective equipment to prevent falling is regulated in the project-related risk assessment that has been prepared by the contractor (user).
- When using personal protective equipment to prevent falling from a height, all valid standards and safety regulations are to be taken into consideration by the scaffolding contractor.
- Each shoring tower is to be secured against tipping by the user.
- The application is valid for the assembly, modification and dismantling of shoring towers.

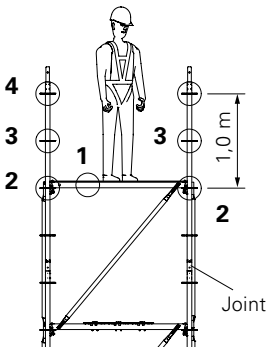
Prerequisites
- The falsework underneath the final assembly level is complete.
  This means, all ledgers and diagonal bracing have been installed and the decking is in place as the topmost assembly level.
- The joints of the topmost standards must lie underneath the last assembly level.



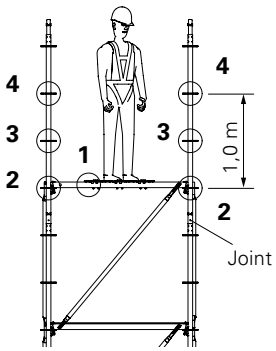
Fixing points
Standard ends in the last assembly level:
- each ledger in the assembly level (1)
- each Rosett in the assembly level (2)



Fixing points
Standard ends 50 cm above the last assembly level:
- each ledger in the assembly level (1)
- each Rosett at max. 50 cm above the last assembly level (2, 3)



Fixing points
Standard ends 1.0 m above the last assembly level:
- each ledger in the assembly level (1)
- each Rosett at max. 1.0 m above the last assembly level (2, 3, 4)



Fixing points
Standard ends 1.5 m above the last assembly level:
- each ledger in the assembly level (1)
- each Rosett at max. 1.0 m above the last assembly level (2, 3, 4)

B1 System Supplementation

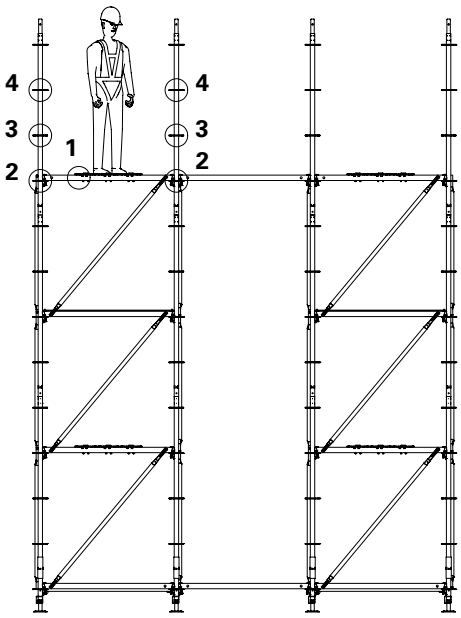
Measures to prevent tipping

Risk of injury!
Proof of stability is required!

- Anchoring of the scaffold tower to a suitable structure, e.g. building, abutment, columns.
- Connecting the scaffold towers by means of Ledgers UH; alternatively with scaffold tubes and couplers. Fig. B1.07
- Connecting the scaffold towers with other system components to form stable units. Fig. B1.08

Ratio of scaffold height to the smallest erection width: less than 3:1.

Illustrations are shown with the fixing points.



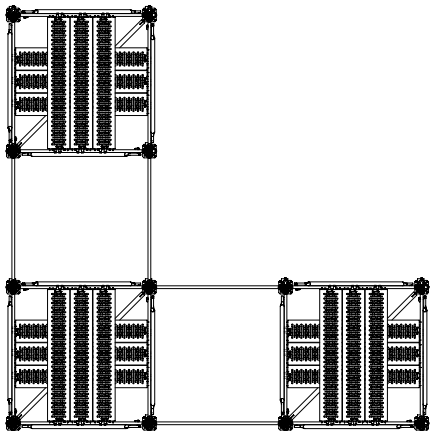
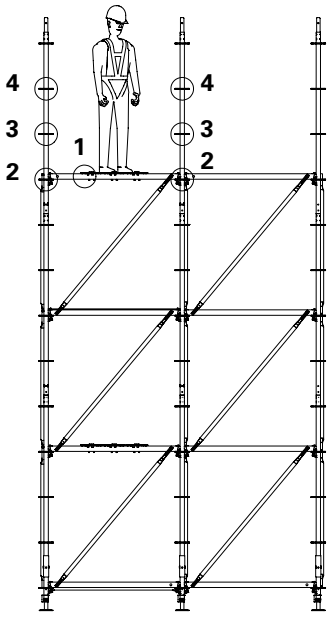


Fig. B1.07



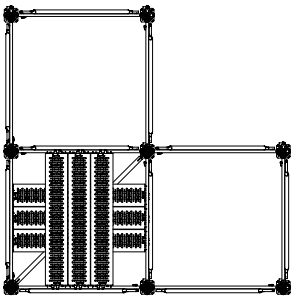


Fig. B1.08

PERI UP Rosett Shoring

Restrained at the Top, H ≤ 21.89 m

Application Conditions

- restrained at the top
- **without additional Ledgers** at top and bottom unit
- horizontal cross strut min. every 9 m
- Pivoting Head- or Crosshead Spindle
- H ≤ 21. 89 m

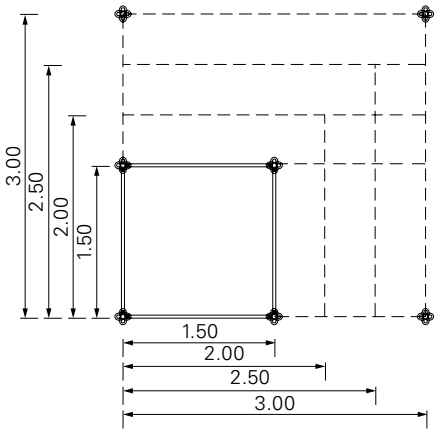
Perm. Leg Load

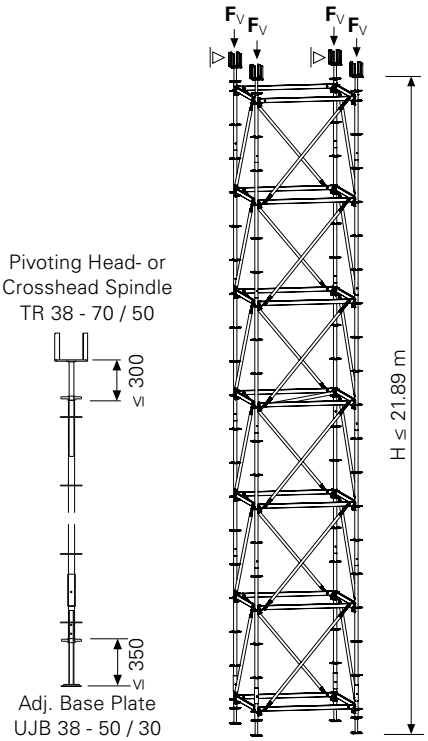
Type Test
No. S/N 030340

	H [m]	F_V [kN] Ground Plan [m] 1.5 x 1.5	1.5 x 2.0	1.5 x 2.5	1.5 x 3.0	2.0 x 2.0	2.0 x 2.5	2.0 x 3.0	2.5 x 2.5	2.5 x 3.0	3.0 x 3.0	F_V [kN] All Ground Plans
q = 0.5	1.83 -8.39	35.7	34.4									38.0
Impact Pressure [kN/m²] q = 0.8	8.33 - 8.89	33.9	33.1	32.4	31.6	33.7	33.1	32.4	33.8	33.2	34.0	37.9
	8.83 - 9.39	33.6	32.8	32.0	31.2	33.4	32.7	32.0	33.3	32.8	33.5	37.8
	9.33 - 9.89	33.2	32.4	31.6	30.7	33.0	32.2	31.5	32.9	32.3	33.1	37.7
	9.83 - 10.39	32.9	32.0	31.1	30.3	32.6	31.8	31.0	32.5	31.8	32.6	37.6
	10.33 - 10.89	32.6	31.7	30.7	29.8	32.2	31.4	30.6	32.1	31.3	32.1	37.5
	10.83 - 11.39	32.3	31.3	30.3	29.3	31.9	31.0	30.1	31.6	30.9	31.6	37.4
	11.33 - 11.89	32.0	30.9	29.9	28.9	31.5	30.6	29.6	31.2	30.4	31.1	37.3
	11.83 - 12.39	31.6	30.6	29.5	28.4	31.1	30.1	29.2	30.8	29.9	30.7	37.2
	12.33 - 12.89	31.3	30.2	29.1	28.0	30.7	29.7	28.7	30.4	29.4	30.2	37.1
	12.83 - 13.39	31.0	29.8	28.7	27.5	30.4	29.3	28.2	29.9	29.0	29.7	37.0
	13.33 - 13.89	30.7	29.5	28.3	27.0	30.0	28.9	27.8	29.5	28.5	29.2	36.9
	13.83 - 14.39	30.4	29.1	27.8	26.6	29.6	28.5	27.3	29.1	28.0	28.7	36.8
	14.33 - 14.89	30.0	28.7	27.4	26.1	29.2	28.0	26.8	28.7	27.5	28.3	36.7
	14.83 - 15.39	29.7	28.4	27.0	25.7	28.9	27.6	26.4	28.2	27.1	27.8	36.6
	15.33 - 15.89	29.4	28.0	26.6	25.2	28.5	27.2	25.9	27.8	26.6	27.3	36.5
	15.83 - 16.39	29.2										36.5
	16.33 - 16.89	28.9										36.4
	16.83 - 17.39	28.7										36.4
	17.33 - 17.89	28.4										36.4
	17.83 - 18.39	28.2										36.3
	18.33 - 18.89	27.9										36.3
	18.83 - 19.39	27.7										36.3
	19.33 - 19.89	27.4										36.2
	19.83 - 20.39	27.2										36.2
	20.33 - 20.89	27.0										36.2
	20.83 - 21.39	26.7										36.1
	21.33 - 21.89	26.5										36.1
without Wind, q = 0												

For this area please refer to Amendment T1 + T2 of the Type Test.

Ground Plan



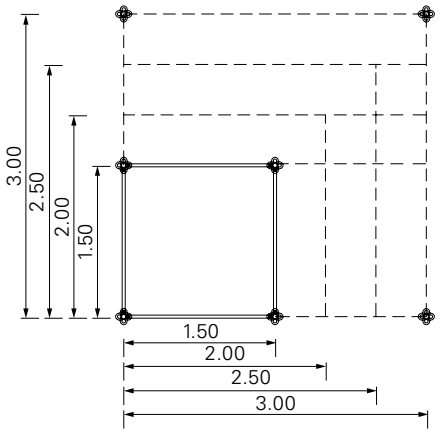


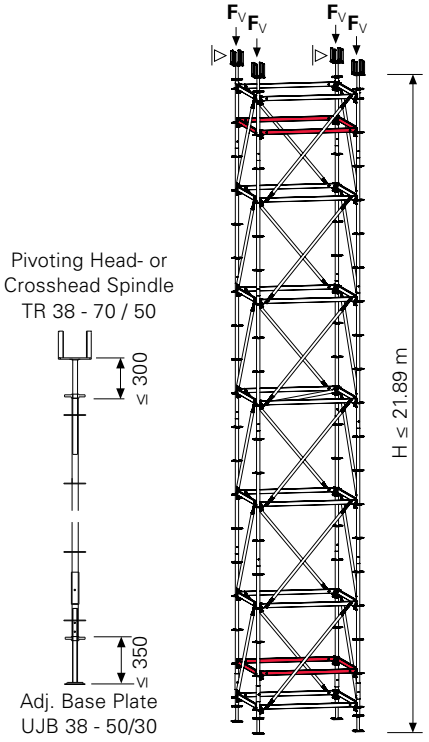
Restrained at the Top, H ≤ 21.89 m, with additional Ledgers

Application Conditions

- restrained at the top
- **with additional Ledgers** at top and bottom unit
- horizontal cross strut min. every 9 m
- Pivoting Head- or Crosshead Spindle
- H ≤ 21.89 m

Ground Plan





Perm. Leg Load

Type Test
No. S/N 030340

	H [m]	F_V [kN] Ground Plan [m] 1.5 x 1.5	1.5 x 2.0	1.5 x 2.5	1.5 x 3.0	2.0 x 2.0	2.0 x 2.5	2.0 x 3.0	2.5 x 2.5	2.5 x 3.0	3.0 x 3.0	F_V [kN] All Ground Plans
q = 0.5	1.83 -8.39	39.9	38.9									41.6
Impact Pressure [kN/m²] q = 0.8	8.33 - 8.89	38.5	37.7	37.0	36.2	37.9	37.3	36.6	37.6	37.1	37.5	41.5
	8.83 - 9.39	38.1	37.3	36.5	35.7	37.5	36.9	36.2	37.2	36.6	37.0	41.4
	9.33 - 9.89	37.8	36.9	36.1	35.3	37.2	36.4	35.7	36.8	36.2	36.6	41.3
	9.83 - 10.39	37.4	36.6	35.7	34.8	36.8	36.0	35.2	36.4	35.7	36.2	41.2
	10.33 - 10.89	37.1	36.2	35.2	34.3	36.4	35.6	34.8	36.0	35.3	35.7	41.1
	10.83 - 11.39	36.8	35.8	34.8	33.8	36.0	35.2	34.3	35.6	34.8	35.3	41.0
	11.33 - 11.89	36.4	35.4	34.4	33.3	35.6	34.8	33.8	35.2	34.4	34.9	40.9
	11.83 - 12.39	36.1	35.0	33.9	32.9	35.3	34.3	33.4	34.7	33.9	34.4	40.8
	12.33 - 12.89	35.7	34.6	33.5	32.4	34.9	33.9	32.9	34.3	33.5	34.0	40.7
	12.83 - 13.39	35.4	34.2	33.1	31.9	34.5	33.5	32.4	33.9	33.0	33.6	40.6
	13.33 - 13.89	35.1	33.8	32.6	31.4	34.1	33.1	32.0	33.5	32.6	33.1	40.5
	13.83 - 14.39	34.7	33.5	32.2	30.9	33.7	32.7	31.5	33.1	32.1	32.7	40.4
	14.33 - 14.89	34.4	33.1	31.8	30.5	33.4	32.2	31.0	32.7	31.7	32.3	40.3
	14.83 - 15.39	34.0	32.7	31.3	30.0	33.0	31.8	30.6	32.3	31.2	31.8	40.2
	15.33 - 15.89	33.7	32.3	30.9	29.5	32.6	31.4	30.1	31.9	30.8	31.4	40.1
	15.83 - 16.39	33.4										40.1
	16.33 - 16.89	33.2										40.1
	16.83 - 17.39	32.9										40.1
	17.33 - 17.89	32.6										40.0
	17.83 - 18.39	32.4										40.0
	18.33 - 18.89	32.1										40.0
	18.83 - 19.39	31.8										40.0
	19.33 - 19.89	31.6										39.9
	19.83 - 20.39	31.3										39.9
	20.33 - 20.89	31.0										39.9
	20.83 - 21.39	30.8										39.8
	21.33 - 21.89	30.5										39.8

For this area please refer to Amendment T3 + T4 of the Type Test.

without Wind, q = 0

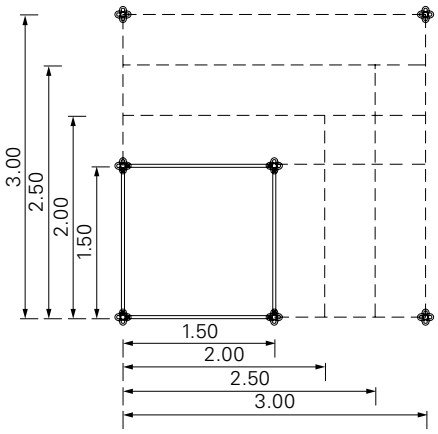
PERI UP Rosett Shoring

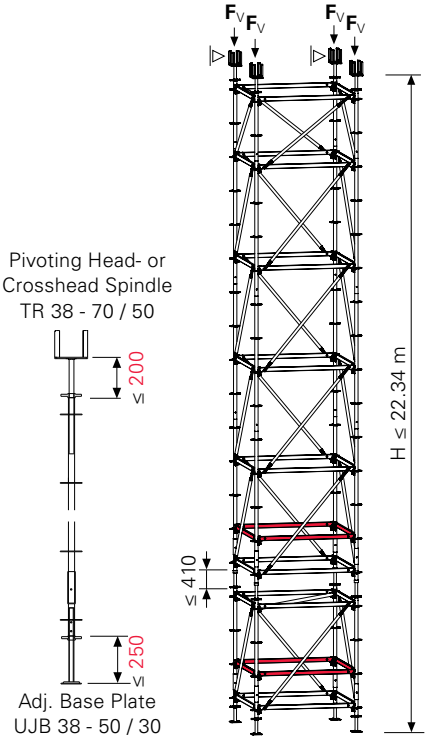
Restrained at the Top, H ≤ 22.34 m, with Spindle Section

Application Conditions

- restrained at the top
- **with additional Ledgers** at top and bottom unit and above Spindle Section
- horizontal cross strut min. every 9 m and below the Spindle Section
- Pivoting Head- or Crosshead Spindle
- H ≤ 22.34 m

Ground Plan





Perm. Leg Load

Type Test
No. S/N 030340

	H [m]	F_V [kN] Ground Plan [m] 1.5 x 1.5	1.5 x 2.0	1.5 x 2.5	1.5 x 3.0	2.0 x 2.0	2.0 x 2.5	2.0 x 3.0	2.5 x 2.5	2.5 x 3.0	3.0 x 3.0	F_V [kN] All Ground Plans
q = 0.5	2.64 - 8.34	44.9	43.5									46.3
Impact Pressure [kN/m²] q = 0.8	8.14 - 8.84	43.4	42.9	42.4	41.9	42.8	42.2	41.7	42.2	41.6	41.5	46.3
	8.64 - 9.34	43.2	42.7	42.1	41.6	42.6	42.0	41.5	41.9	41.3	41.3	46.3
	9.14 - 9.84	43.0	42.4	41.9	41.3	42.4	41.7	41.2	41.7	41.1	41.0	46.3
	9.64 - 10.34	42.8	42.2	41.6	41.0	42.1	41.5	40.9	41.4	40.8	40.7	46.3
	10.14 - 10.84	42.6	42.0	41.3	40.7	41.9	41.2	40.6	41.2	40.5	40.5	46.3
	10.64 - 11.34	42.3	41.7	41.1	40.4	41.7	41.0	40.3	40.9	40.3	40.2	46.3
	11.14 - 11.84	42.1	41.5	40.8	40.1	41.5	40.7	40.0	40.7	40.0	40.0	46.3
	11.64 - 12.34	41.9	41.3	40.5	39.8	41.2	40.5	39.7	40.4	39.7	39.7	46.3
	12.14 - 12.84	41.7	41.0	40.3	39.5	41.0	40.2	39.4	40.2	39.5	39.4	46.3
	12.64 - 13.34	41.5	40.8	40.0	39.2	40.8	40.0	39.2	39.9	39.2	39.2	46.3
	13.14 - 13.84	41.3	40.6	39.7	38.9	40.6	39.7	38.9	39.7	38.9	38.9	46.3
	13.64 - 14.34	41.1	40.3	39.5	38.6	40.3	39.5	38.6	39.4	38.7	38.7	46.3
	14.14 - 14.84	40.9	40.1	39.2	38.3	40.1	39.2	38.3	39.2	38.4	38.4	46.3
	14.64 - 15.34	40.7	39.8	38.9	38.0	39.8	38.9	38.0	38.9	38.1	38.1	46.2
	15.14 - 15.84	40.4	39.5	38.6	37.7	39.6	38.6	37.7	38.6	37.8	37.8	46.2
	15.64 - 16.34	40.2	39.3	38.3	37.4	39.3	38.3	37.4	38.3	37.5	37.5	46.1
	16.14 - 16.84	39.9	39.0	38.0	37.1	39.0	38.0	37.1	38.0	37.2	37.2	46.0
	16.64 - 17.34	39.7	38.7	37.8	36.7	38.8	37.8	36.7	37.8	36.8	36.8	46.0
	17.14 - 17.84	39.4	38.4	37.5	36.4	38.5	37.5	36.4	37.5	36.5	36.5	45.9
	17.64 - 18.34	39.2	38.2	37.2	36.1	38.2	37.2	36.1	37.2	36.2	36.2	45.8
	18.14 - 18.84	38.9	37.9	36.9	35.8	38.0	36.9	35.8	36.9	35.9	35.9	45.8
	18.64 - 19.34	38.7	37.6	36.6	35.5	37.7	36.6	35.5	36.6	35.6	35.6	45.7
	19.14 - 19.84	38.5	37.4	36.3	35.2	37.4	36.3	35.2	36.3	35.3	35.3	45.6
	19.64 - 20.34	38.2	37.1	36.0	34.8	37.2	36.0	34.9	36.0	35.0	35.0	45.5
	20.14 - 20.84	38.0	36.9	35.7	34.5	36.9	35.8	34.6	35.8	34.7	34.7	45.4
	20.64 - 21.34	37.8	36.6	35.4	34.2	36.6	35.5	34.2	35.5	34.3	34.3	45.3
	21.14 - 21.84	37.5	36.4	35.1	33.8	36.4	35.2	33.9	35.2	34.0	34.0	45.2
	21.64 - 22.34	37.3	36.1	34.8	33.5	36.1	34.9	33.6	34.9	33.7	33.7	45.1

without Wind, q = 0

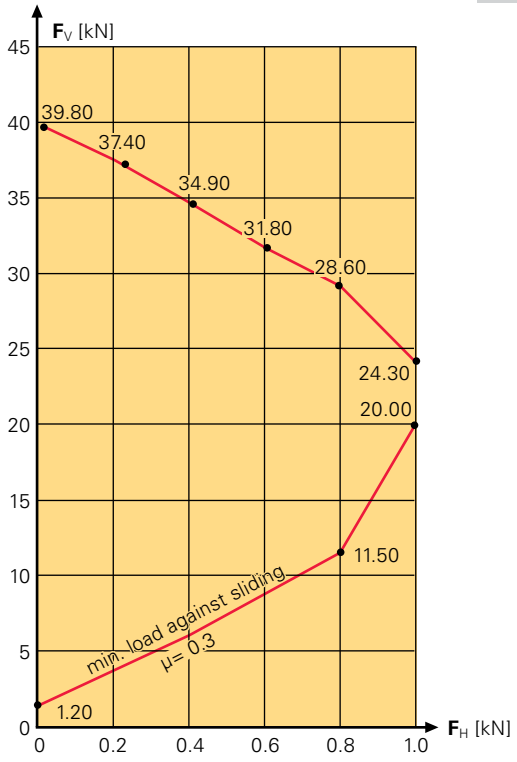
Free standing, 1.5 m x 1.5 m, H ≤ 8.39m, with additional Ledgers

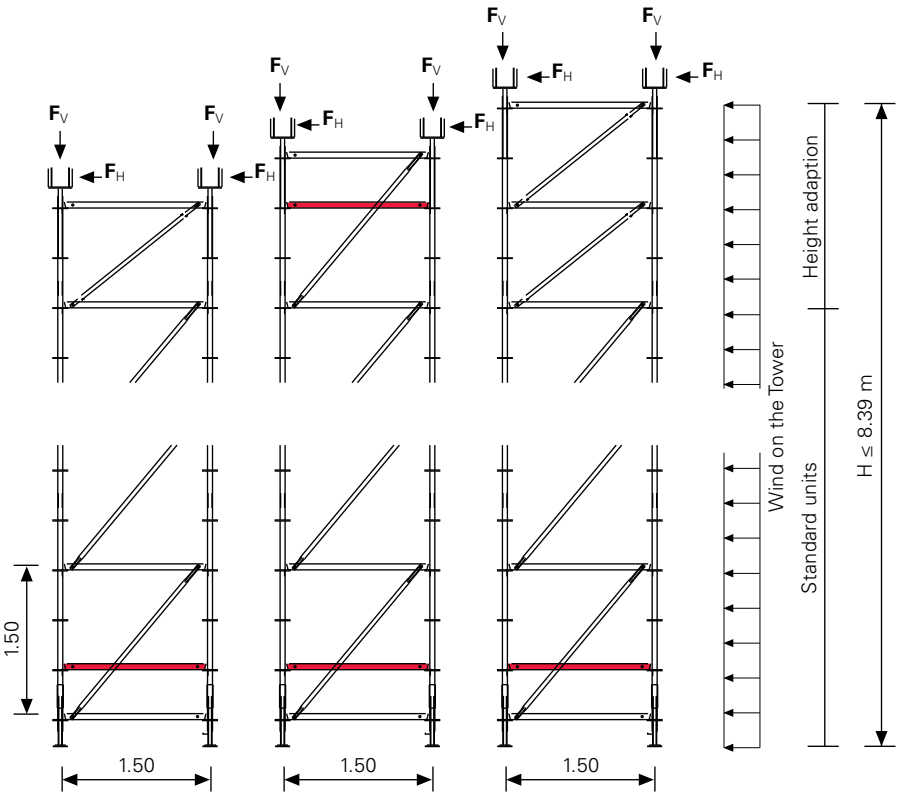
Application Conditions

- free standing
- with wind
- **with additional Ledgers** at top and bottom unit
- Pivoting Head- or Crosshead Spindle
- H ≤ 8.39 m

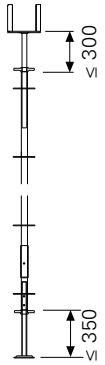
Perm. Leg Load

Type Test
No. S/N 030340





Crosshead Spindle
TR 38 - 70 / 50



Adj. Base Plate
UJB 38 - 50 / 30

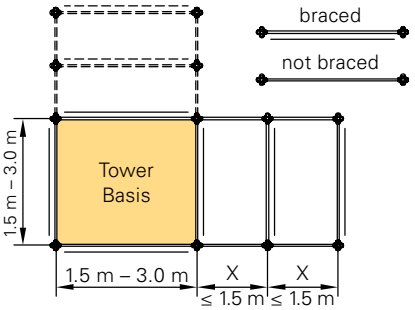
PERI UP Rosett Shoring

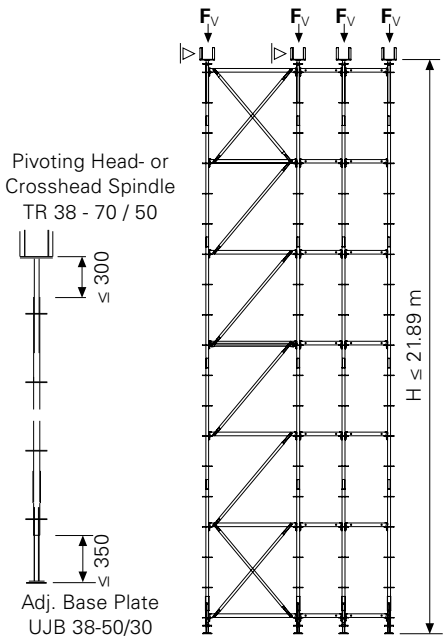
Restrained at the Top, H ≤ 21.89 m, with additional Frames

Application Conditions

- restrained at the top
- ground plan 1.5 m x 1.5 m up to 3.0 m x 3.0 m
- **without additional Ledgers** at top and bottom unit
- horizontal cross strut min. every 9 m
- maximum 2 additonal Frames per side
- x = Ledger UH 25 to UH 150, bays are not braced
- H ≥ 8.33 m crossed Diagonal Braces in top and bottom units
- Tower and additional Frames to be braced with Ledger Brace UBL
- Pivoting Head- or Crosshead Spindle
- H ≤ 21.89 m

Ground Plan





Perm. Leg Load

Type Test
No. S/N 030340

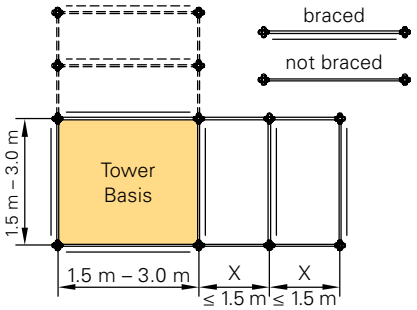
Impact Pressure [kN/m²]	H [m]	F_V [kN] Tower Basis [m] 1.5 x 1.5	1.5 x 2.0	1.5 x 2.5	1.5 x 3.0	2.0 x 2.0	2.0 x 2.5	2.0 x 3.0	2.5 x 2.5	2.5 x 3.0	3.0 x 3.0	F_V [kN] All Ground Plans	without Wind, q = 0
q = 0.5	1.83 -8.39	33.6										38.0	
q = 0.8	8.33 - 8.89	32.6	31.8	31.1	30.2	32.5	31.8	31.0	32.6	31.8	32.6	37.9	
	8.83 - 9.39	32.2	31.3	30.5	29.5	32.1	31.2	30.4	32.0	31.2	32.1	37.8	
	9.33 - 9.89	31.8	30.9	30.0	28.9	31.6	30.7	29.8	31.5	30.6	31.5	37.7	
	9.83 - 10.39	31.4	30.4	29.4	28.3	31.2	30.2	29.1	31.0	30.1	30.9	37.6	
	10.33 - 10.89	31.0	30.0	28.9	27.6	30.7	29.6	28.5	30.5	29.5	30.4	37.5	
	10.83 - 11.39	30.6	29.6	28.4	27.0	30.3	29.1	27.9	29.9	28.9	29.8	37.4	
	11.33 - 11.89	30.2	29.1	27.8	26.4	29.8	28.6	27.3	29.4	28.3	29.2	37.3	
	11.83 - 12.39	29.8	28.7	27.3	25.7	29.4	28.0	26.7	28.9	27.7	28.7	37.2	
	12.33 - 12.89	29.4	28.2	26.7	25.1	28.9	27.5	26.1	28.4	27.1	28.1	37.1	
	12.83 - 13.39	29.0	27.8	26.2	24.5	28.5	27.0	25.5	27.8	26.5	27.5	37.0	
	13.33 - 13.89	28.6	27.4	25.7	23.8	28.0	26.4	24.9	27.3	25.9	27.0	36.9	
	13.83 - 14.39	28.2	26.9	25.1	23.2	27.6	25.9	24.2	26.8	25.4	26.4	36.8	
	14.33 - 14.89	27.8	26.5	24.6	22.6	27.1	25.4	23.6	26.3	24.8	25.8	36.7	
	14.83 - 15.39	27.4	26.0	24.0	21.9	26.7	24.8	23.0	25.7	24.2	25.3	36.6	
	15.33 - 15.89	27.0	25.6	23.5	21.3	26.2	24.3	22.4	25.2	23.6	24.7	36.5	
	15.83 - 16.39	Permissible leg loads on request										36.5	
	16.33 - 16.89											36.4	
	16.83 - 17.39											36.4	
	17.33 - 17.89											36.4	
	17.83 - 18.39											36.3	
	18.33 - 18.89											36.3	
	18.83 - 19.39											36.3	
	19.33 - 19.89											36.2	
	19.83 - 20.39											36.2	
	20.33 - 20.89											36.2	
	20.83 - 21.39											36.1	
	21.33 - 21.89											36.1	

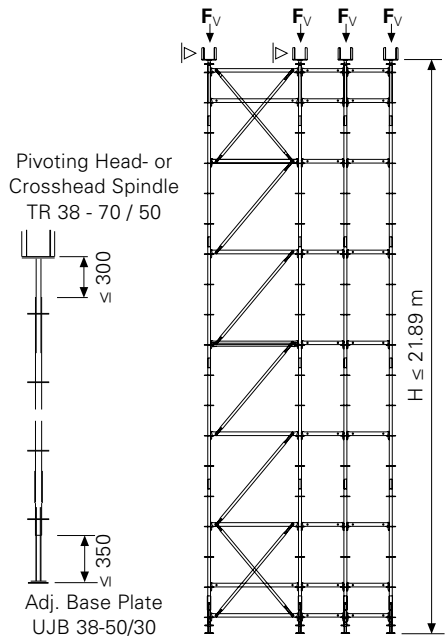
Restrained at the Top, H ≤ 21.89 m, with additional Ledgers, with additional Frames

Application Conditions

- restrained at the top
- ground plan 1.5 m x 1.5 m up to 3.0 m x 3.0 m
- **with additional Ledgers** at top and bottom unit
- horizontal cross strut min. every 9 m
- maximum 2 additonal Frames per side
- x = Ledger UH 25 to UH 150, bays are not braced
- H ≥ 8.33 m crossed Diagonal Braces in top and bottom units
- Tower and additional Frames to be braced with Ledger Brace UBL
- Pivoting Head- or Crosshead Spindle
- H ≤ 21.89 m

Ground Plan





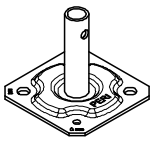
Perm. Leg Load

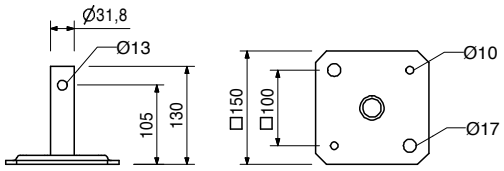
Type Test
No. S/N 030340

	H [m]	F_V [kN] Tower Basis [m] 1.5 x 1.5	1.5 x 2.0	1.5 x 2.5	1.5 x 3.0	2.0 x 2.0	2.0 x 2.5	2.0 x 3.0	2.5 x 2.5	2.5 x 3.0	3.0 x 3.0	F_V [kN] All Ground Plans
q = 0.5	1.83 -8.39	38.2										41.6
Impact Pressure [kN/m²] q = 0.8	8.33 - 8.89	37.2	36.4	35.7	34.9	36.7	36.1	35.3	36.5	35.8	36.4	41.5
	8.83 - 9.39	36.8	36.0	35.2	34.3	36.3	35.6	34.8	36.0	35.3	35.9	41.4
	9.33 - 9.89	36.3	35.5	34.6	33.8	35.8	35.1	34.2	35.5	34.7	35.3	41.3
	9.83 - 10.39	35.9	35.0	34.1	33.2	35.4	34.5	33.7	35.0	34.2	34.8	41.2
	10.33 - 10.89	35.5	34.6	33.6	32.6	34.9	34.0	33.1	34.5	33.6	34.2	41.1
	10.83 - 11.39	35.1	34.1	33.1	32.0	34.5	33.5	32.5	34.0	33.1	33.7	41.0
	11.33 - 11.89	34.7	33.6	32.6	31.4	34.0	33.0	32.0	33.5	32.5	33.1	40.9
	11.83 - 12.39	34.2	33.2	32.0	30.9	33.6	32.5	31.4	32.9	32.0	32.6	40.8
	12.33 - 12.89	33.8	32.7	31.5	30.3	33.1	32.0	30.9	32.4	31.4	32.0	40.7
	12.83 - 13.39	33.4	32.2	31.0	29.7	32.7	31.5	30.3	31.9	30.9	31.5	40.6
	13.33 - 13.89	33.0	31.8	30.5	29.1	32.2	31.0	29.7	31.4	30.3	30.9	40.5
	13.83 - 14.39	32.6	31.3	30.0	28.5	31.8	30.4	29.2	30.9	29.8	30.4	40.4
	14.33 - 14.89	32.1	30.8	29.4	28.0	31.3	29.9	28.6	30.4	29.2	29.8	40.3
	14.83 - 15.39	31.7	30.4	28.9	27.4	30.9	29.4	28.1	29.9	28.7	29.3	40.2
	15.33 - 15.89	31.3	29.9	28.4	26.8	30.4	28.9	27.5	29.4	28.1	28.7	40.1
	15.83 - 16.39	Permissible leg loads on request										40.1
	16.33 - 16.89											40.1
	16.83 - 17.39											40.1
	17.33 - 17.89											40.0
	17.83 - 18.39											40.0
	18.33 - 18.89											40.0
	18.83 - 19.39											40.0
	19.33 - 19.89											39.9
	19.83 - 20.39											39.9
	20.33 - 20.89											39.9
	20.83 - 21.39											39.8
	21.33 - 21.89											39.8

without Wind, q = 0

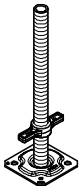
Item no.	Weight kg	
100244	1,230	**Base Plate UJP** Without height adjustment.

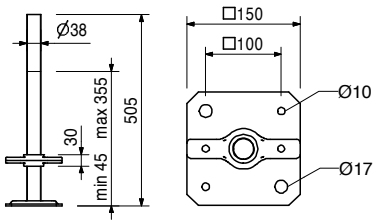




100411	3,420	**Adj. Base Plate UJB 38-50/30**

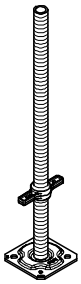
Note
With captive red Quick Jack Nut.

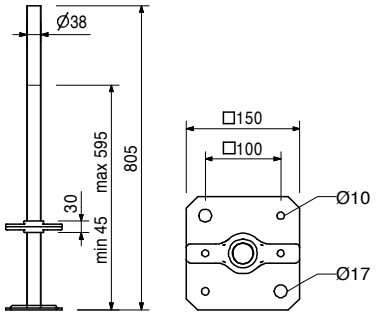




100242	4,610	**Adj. Base Plate UJB 38-80/55**

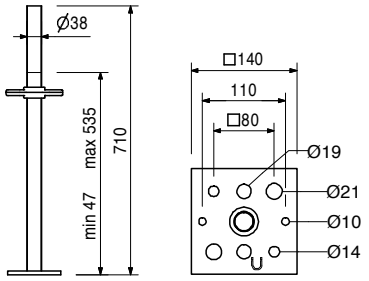
Note
With captive yellow Quick Jack Nut.



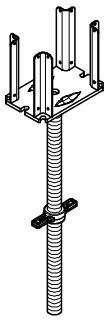


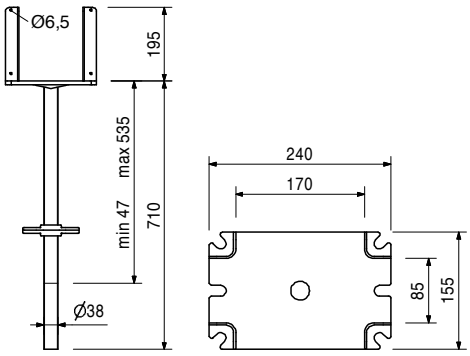
019780	5,250	**Base Spindle TR 38-70/50** For heavily loaded shoring.

Note
With captive Quick Jack Nut.



Item no.	Weight kg		
019950	7,780	**Cross Forkhead TR 38-70/50** Tilt-resistant head spindle for holding one or two GT 24 or VT 20 girders.	**Note** With captive Quick Jack Nut.

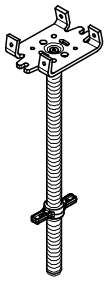


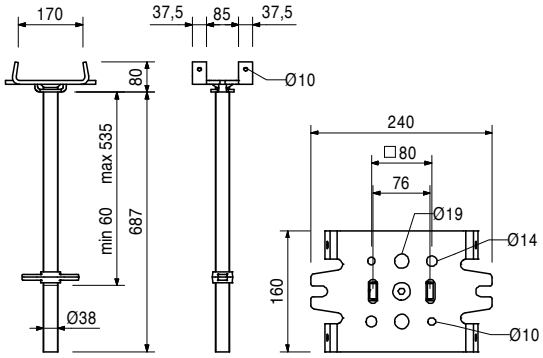


Accessories

028590	0,568	**Tension Strap 16-25, galv.**

116081	6,930	**Head Spindle-2 TR 38-70/50** Maximum inclination of the head plate on all sides 4.4%.	**Note** With locking device and captive Quick Jack Nut.

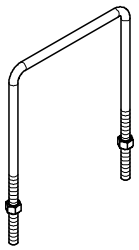


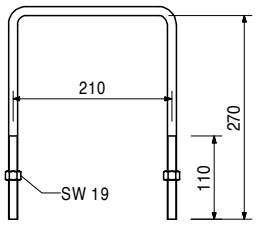


Accessories

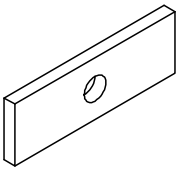
028590	0,568	**Tension Strap 16-25, galv.**
018300	0,564	**Cross Strap, galv.**

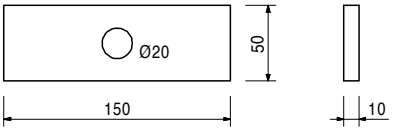
028590	0,568	**Tension Strap 16-25, galv.** For mounting 2 GT 24 or VT 20 girders on the Crosshead Spindle and Adjustable Crosshead Spindle TR 38.	**Note** Wrench size SW 19.





Item no.	Weight kg	
018300	0,564	**Cross Strap, galv.** For fixing Steel Walers SRZ and SRU on the Adjustable Crosshead Spindle TR 38.

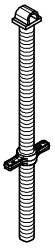


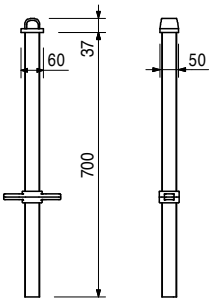


Accessories

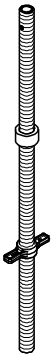
018350	0,310	**Bolt ISO 4016 M16 x 160-4.6 MU**

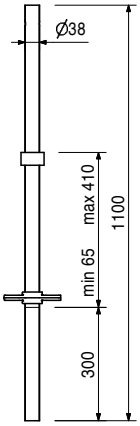
109630	4,150	**Spindle Head SRU** For connecting the steel walers SRU and SRZ to the shoring.	**Note** With captive Quick Jack Nut.



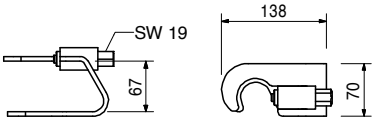


111072	6,190	**Section Spindle UJK 38-110/41** For erection of shoring with tower units.	**Note** With captive Quick Jack Nut.





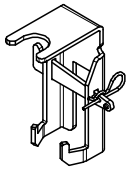
100863	1,030	**Spindle Locking UJS** Secures the adjustable base plates Ø 38 mm in the leg when moving.	**Note** Wrench size SW 19.

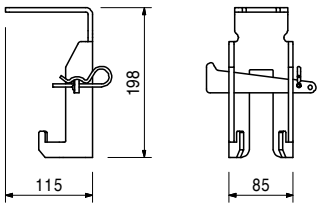


Item no.	Weight kg
109563	1,460

Head Spindle Locking UJH
Connects Head Spindle and Section Spindle with Ledger UH when moving.

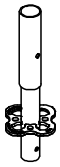
Complete with
1 pc. 018060 Cotter Pin 4/1, galv.
Technical Data
Permissible load 1.8 kN.

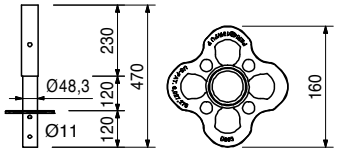




100014	2,470

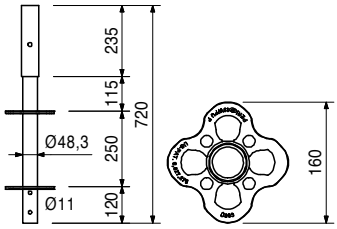
Base Standard UVB 24
For assembly directly on the base spindle.





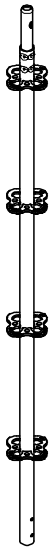
117194	3,980

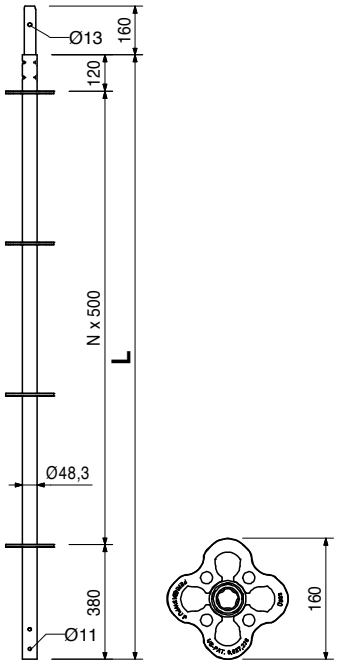
Base Standard UVB 49
For assembly directly on the base spindle.
Reduces necessary spindle extension lengths through distance between rosettes of 25 cm.



Shoring Tower PERI UP Rosett Flex

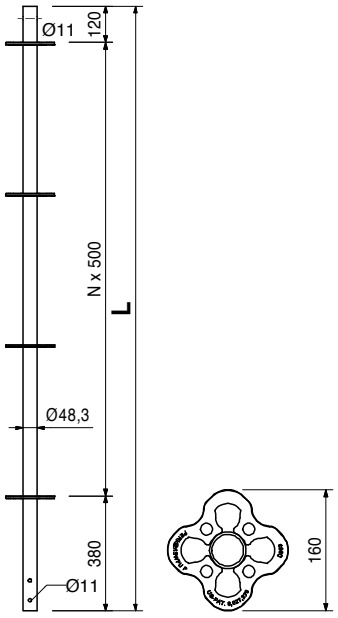
Item no.	Weight kg	Standards UVR	L
102859	3,080	**Standard UVR 50**	500
101306	5,380	**Standard UVR 100**	1000
102860	7,690	**Standard UVR 150**	1500
100009	9,990	**Standard UVR 200**	2000
100012	14,700	**Standard UVR 300**	3000
100013	19,200	**Standard UVR 400**	4000



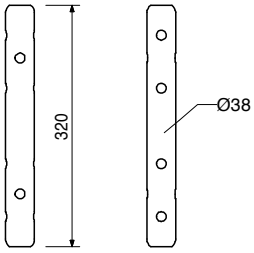


Item no.	Weight kg	Top Standards UVH	L
100000	4,610	**Top Standard UVH 100**	1000
117195	7,590	**Top Standard UVH 125**	1250
100003	6,920	**Top Standard UVH 150**	1500
100005	9,230	**Top Standard UVH 200**	2000
100007	11,500	**Top Standard UVH 250**	2500

Without spigot for supporting head spindles.



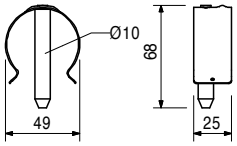
Item no.	Weight kg	
100301	1,020	**Spigot ULT 32** Lose pin for connecting scaffold tubes Ø 48.3 x 3.2 mm, e.g. top standards, lattice girders.



Accessories

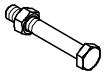
100719	0,060	**Hex. Bolt ISO 4014 M10 x 70-8.8 MU, galv.**
111053	0,059	**Locking Pin Ø 48/57**

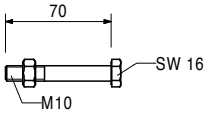
111053	0,059	**Locking Pin Ø 48/57** As tension-proof connection of standards with a diameter of 48 up to 57 mm.



100719	0,060	**Hex. Bolt ISO 4014 M10 x 70-8.8 MU, galv.** As tension-proof connection of standards for suspended scaffold or lattice girders.

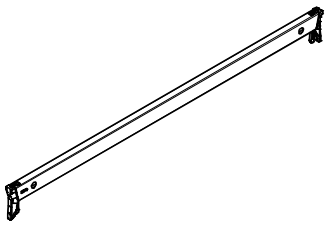
Note
Wrench size SW 16.

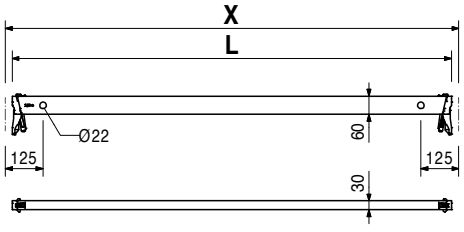




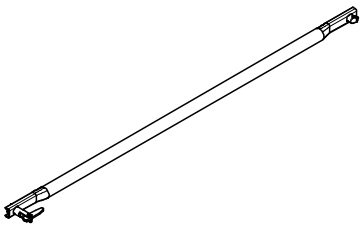
		Ledgers UH Plus	L	X	Sticker
114613	1,430	**Ledger UH 25 Plus**	204	250	
114595	2,080	**Ledger UH 50 Plus**	454	500	
114629	2,740	**Ledger UH 75 Plus**	704	750	White
114632	4,470	**Ledger UH 100 Plus**	954	1000	White
114638	5,440	**Ledger UH 125 Plus**	1204	1250	
114641	4,720	**Ledger UH 150 Plus**	1454	1500	
117032	5,390	**Ledger UH 175 Plus**	1704	1750	
114645	6,050	**Ledger UH 200 Plus**	1954	2000	White
116356	6,710	**Ledger UH 225 Plus**	2204	2250	
114648	7,370	**Ledger UH 250 Plus**	2454	2500	Red
114651	8,690	**Ledger UH 300 Plus**	2954	3000	Black
114654	11,300	**Ledger UH 400 Plus**	3954	4000	

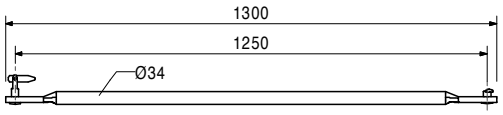
Note
Longitudinally-stamped with coloured label for easier identification.





Item no.	Weight kg	
019940	2,290	**Diagonal Strut ST 100, galv.** Diagonals for Stacking Tower ST 100. Number required depends on the static system.

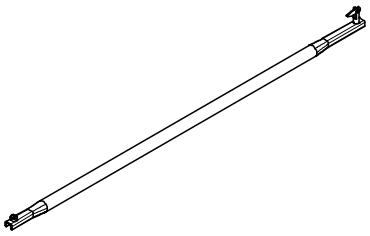


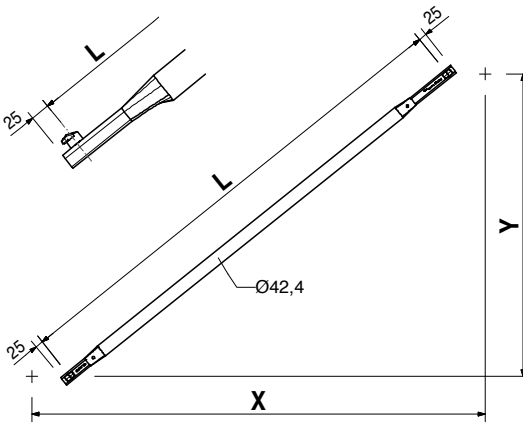


		Ledger Braces UBL	L	X	Y	Sticker
115156	2,670	**Ledger Brace UBL 100/50**	901	1000	500	
115513	4,650	**Ledger Brace UBL 100/150**	1677	1000	1500	
115157	5,820	**Ledger Brace UBL 100/200**	2136	1000	2000	
107867	3,800	**Ledger Brace UBL 150/50**	1347	1500	500	
100055	4,450	**Ledger Brace UBL 150/100**	1601	1500	1000	
102846	5,350	**Ledger Brace UBL 150/150**	1953	1500	1500	
100057	6,390	**Ledger Brace UBL 150/200**	2358	1500	2000	
109034	6,750	**Ledger Brace UBL 175/200**	2500	1750	2000	
104391	5,010	**Ledger Brace UBL 200/50**	1820	2000	500	
100059	5,510	**Ledger Brace UBL 200/100**	2016	2000	1000	
102862	6,250	**Ledger Brace UBL 200/150**	2305	2000	1500	
100061	7,160	**Ledger Brace UBL 200/200**	2658	2000	2000	White
117689	7,590	**Ledger Brace UBL 225/200**	2829	2250	2000	
100063	6,650	**Ledger Brace UBL 250/100**	2462	2500	1000	
102861	7,270	**Ledger Brace UBL 250/150**	2705	2500	1500	
100065	8,050	**Ledger Brace UBL 250/200**	3010	2500	2000	Red
104762	7,500	**Ledger Brace UBL 300/50**	2795	3000	500	
100067	7,840	**Ledger Brace UBL 300/100**	2926	3000	1000	
104766	8,370	**Ledger Brace UBL 300/150**	3133	3000	1500	
100069	9,050	**Ledger Brace UBL 300/200**	3400	3000	2000	Black

Mounted in the holes of the ledger.

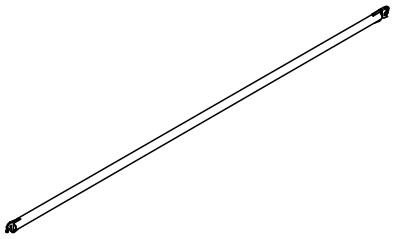
Note
Longitudinally-stamped with coloured label for easier identification.
UBL 150/250 identical to UBL 300/50,
UBL 225/150 identical to UBL 175/200,
UBL 250/50 identical to UBL 200/150,
UBL 100/100 identical to Diagonal Strut ST 100 (Art.-Nr. 019940).

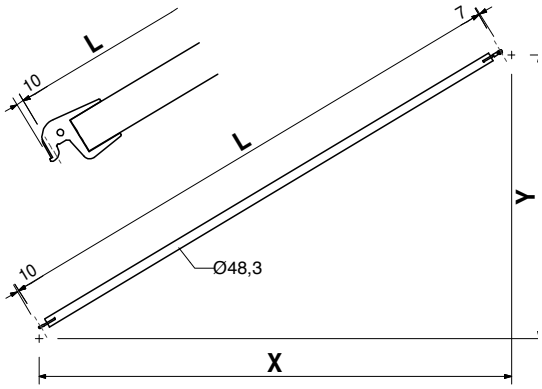




Shoring Tower PERI UP Rosett Flex

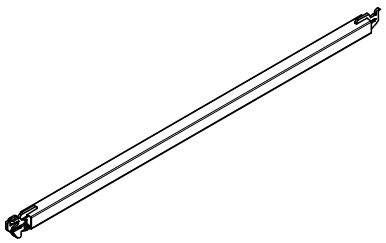
Item no.	Weight kg	Horizontal Braces UBH	L	X	Y
100042	7,350	**Horizontal Brace UBH 150/150**	2042	1500	1500
107815	8,700	**Horizontal Brace UBH 200/150**	2422	2000	1500
100047	9,870	**Horizontal Brace UBH 200/200**	2749	2000	2000
106931	10,200	**Horizontal Brace UBH 250/150**	2839	2500	1500
104356	11,300	**Horizontal Brace UBH 250/200**	3123	2500	2000
100049	12,400	**Horizontal Brace UBH 250/250**	3456	2500	2500
100051	11,800	**Horizontal Brace UBH 300/150**	3279	3000	1500
123483	12,700	**Horizontal Brace UBH 300/200**	3528	3000	2000
102617	13,800	**Horizontal Brace UBH 300/250**	3826	3000	2500
100053	15,000	**Horizontal Brace UBH 300/300**	4164	3000	3000

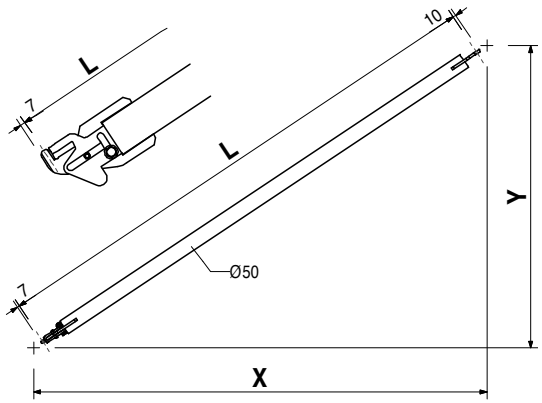




Item no.	Weight kg	H-Braces UBH Flex	L	X	Y
114818	4,580	**H-Brace UBH Flex 100/100**	1335	1000	1000
114821	5,720	**H-Brace UBH Flex 150/100**	1725	1500	1000
114912	6,650	**H-Brace UBH Flex 150/150**	2042	1500	1500
114820	7,000	**H-Brace UBH Flex 200/100**	2161	2000	1000
114916	8,730	**H-Brace UBH Flex 200/200**	2749	2000	2000
114819	8,350	**H-Brace UBH Flex 250/100**	2620	2500	1000
114996	8,640	**H-Brace UBH Flex 250/125**	2720	2500	1250
124101	8,990	**H-Brace UBH Flex 250/150**	2838	2500	1500
114920	9,830	**H-Brace UBH Flex 250/200**	3123	2500	2000
114928	10,800	**H-Brace UBH Flex 250/250**	3456	2500	2500
114892	9,730	**H-Brace UBH Flex 300/100**	3092	3000	1000
114924	11,000	**H-Brace UBH Flex 300/200**	3528	3000	2000
114932	11,900	**H-Brace UBH Flex 300/250**	3826	3000	2500
114936	12,900	**H-Brace UBH Flex 300/300**	4163	3000	3000

For horizontal bracing of towers. Useable also underneath the decking.

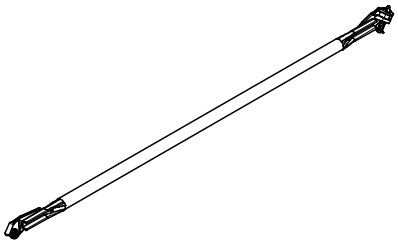


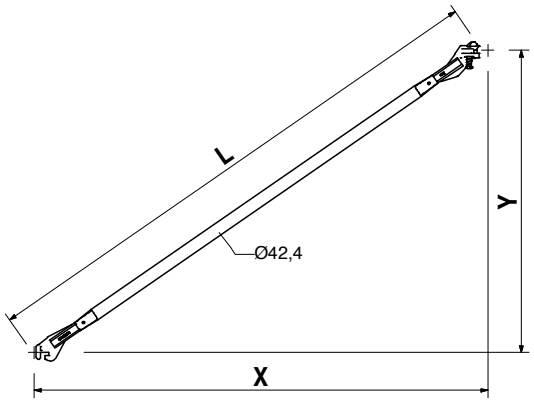


Shoring Tower PERI UP Rosett Flex

Item no.	Weight kg	Shoring Braces UBS	L	X	Y
107801	5,260	**Shoring Brace UBS 150/100**	1792	1500	1000
107810	6,050	**Shoring Brace UBS 150/150**	2122	1500	1500
115504	6,360	**Shoring Brace UBS 200/100**	2219	2000	1000
115291	7,050	**Shoring Brace UBS 200/150**	2492	2000	1500
123592	7,630	**Shoring Brace UBS 250/100**	2672	2500	1000
123588	8,090	**Shoring Brace UBS 250/150**	2902	2500	1500
123584	8,820	**Shoring Brace UBS 300/100**	3139	3000	1000
123580	9,360	**Shoring Brace UBS 300/150**	3337	3000	1500

Standard diagonal for shoring frames.



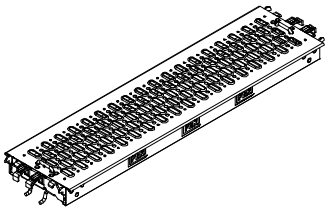


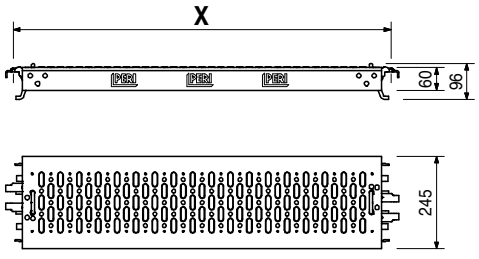
		Industrial Decks Steel UDI 25	X	perm. p [kN/m²]	max. p [kN/m²]
104029	4,090	**Industrial Deck UDI 25 x 50**	500	6.0	40.0
105925	5,520	**Industrial Deck UDI 25 x 75**	750	6.0	26.7
106092	6,950	**Industrial Deck UDI 25 x 100**	1000	6.0	20.0
106880	8,380	**Industrial Deck UDI 25 x 125**	1250	6.0	16.0
107002	9,790	**Industrial Deck UDI 25 x 150**	1500	6.0	13.3
108380	12,700	**Industrial Deck UDI 25 x 200**	2000	6.0	10.0
108540	15,500	**Industrial Deck UDI 25 x 250**	2500	4.5	8.0
108689	18,400	**Industrial Deck UDI 25 x 300**	3000	3.0	6.3

Mounted on Ledgers UH.

Note

perm. p according to DIN EN 12811-1.
max. p = maximum possible load without deflection limitation.





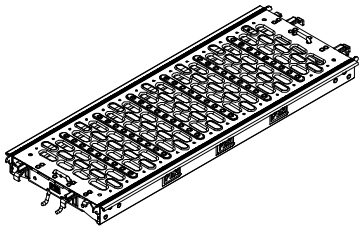
Item no.	Weight kg	
		Industrial Decks UDI 37.5
111685	5,110	**Industrial Deck UDI 37.5 x 50**
111687	6,790	**Industrial Deck UDI 37.5 x 75**
111686	8,460	**Industrial Deck UDI 37.5 x 100**
111860	10,100	**Industrial Deck UDI 37.5 x 125**
111863	11,800	**Industrial Deck UDI 37.5 x 150**
111864	15,200	**Industrial Deck UDI 37.5 x 200**
111865	18,500	**Industrial Deck UDI 37.5 x 250**
111969	21,900	**Industrial Deck UDI 37.5 x 300**

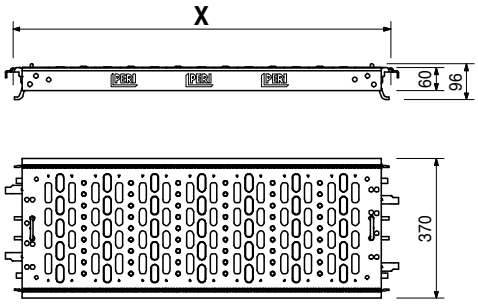
Mounted on Ledgers UH.

X	perm. p [kN/m²]	max. p [kN/m²]
500	6.0	40.0
750	6.0	26.7
1000	6.0	20.0
1250	6.0	16.0
1500	6.0	13.3
2000	6.0	10.0
2500	4.5	7.5
3000	3.0	5.2

Note

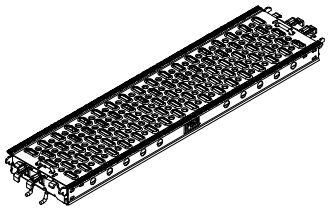
UDI 37.5 is offered as a „safe assembly".
perm. p according to DIN EN 12811-1.
max. p = maximum possible load without deflection limitation.

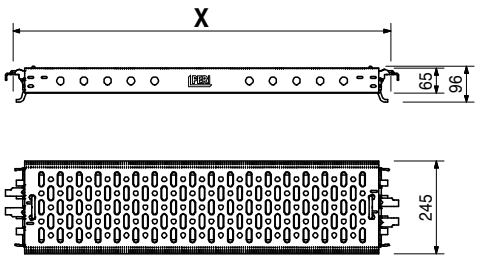




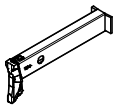
		Steel Decks UDG 25
124124	3,810	**Steel Deck UDG 25 x 50**
124121	5,190	**Steel Deck UDG 25 x 75**
124118	6,550	**Steel Deck UDG 25 x 100**
124115	7,930	**Steel Deck UDG 25 x 125**
124112	9,320	**Steel Deck UDG 25 x 150**
124109	12,200	**Steel Deck UDG 25 x 200**
123771	14,900	**Steel Deck UDG 25 x 250**

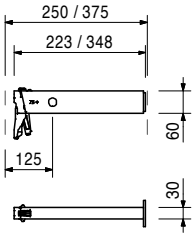
X
500
750
1000
1250
1500
2000
2500





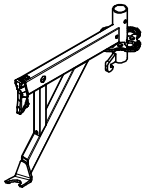
		Supports UC
115959	1,150	**Support UC 25**
115962	1,480	**Support UC 37.5**

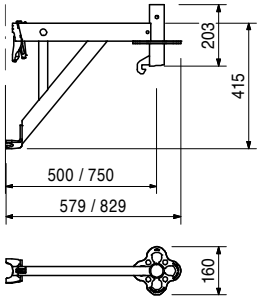




Item no.	Weight kg	
		Consoles UCM
110483	4,480	**Console UCM 50-2**
111128	5,720	**Console UCM 75-2**

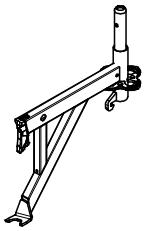
With connection for Console Bracket Brace UCM.

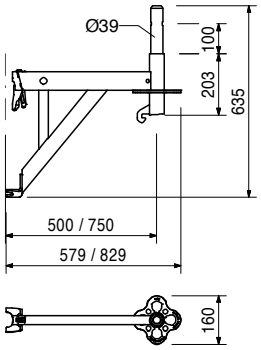




		Consoles UCM with Spigot
112676	5,270	**Console UCM 50 with Spigot**
112678	6,510	**Console UCM 75 with Spigot**

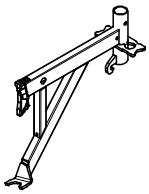
With connection for Console Bracket Brace UCM.

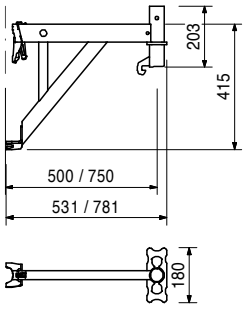




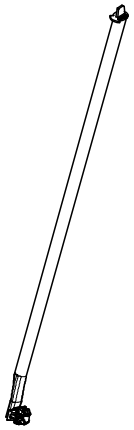
		Consoles UCM with half Rosett
112690	4,380	**Console UCM 50 with half Rosett**
112693	5,620	**Console UCM 75 with half Rosett**

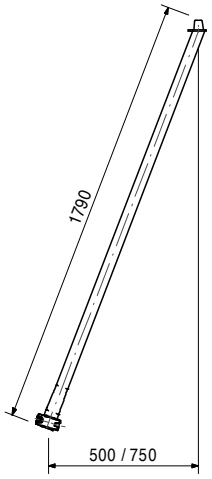
With connection for Console Bracket Brace UCM.



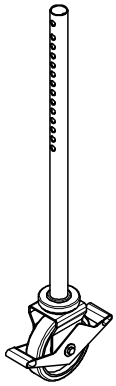


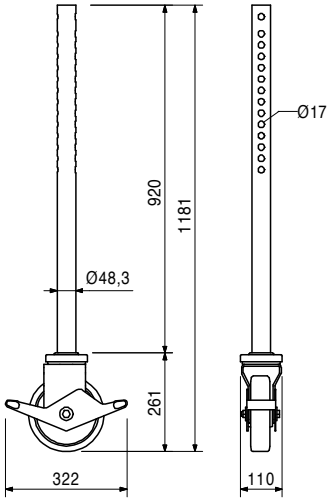
Item no.	Weight kg	
112717	7,000	**Console Bracket Brace UCM** For increasing the load-carrying capacity of Consoles UCM 50 and UCM 75 with yellow coupling.





116176	15,000	**Transportation Wheel UEW** For inserting in Connection Transportation Wheel UER (for Rosett) and Transportation Wheel ST 100.

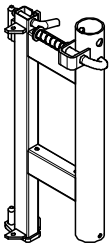




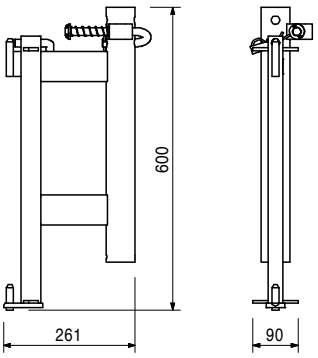
Accessories

116193	5,140	**Connection Transportation Wheel UER**
116800	8,100	**Connection Transportation Wheel ST 100**

Item no.	Weight kg	
116193	5,140	**Connection Transportation Wheel UER** Mounted on Standards UVR. Allows moving of complete frameworks.



Technical Data
Permissible load 4,0 kN.

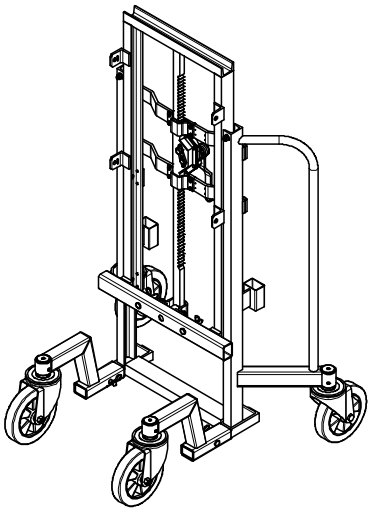


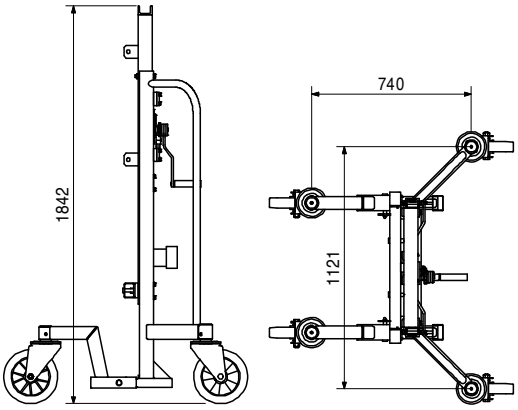
Accessories

116176	15,000	**Transportation Wheel UEW**

019200	162,000	**Trolley with Winch** For moving Towers and Tables with MULTIPROP, Rosett, Rosett Plus and PD 8.

Safety Instructions
Follow Instructions for Use at all times.
Load-carrying capacity 1.0 t.





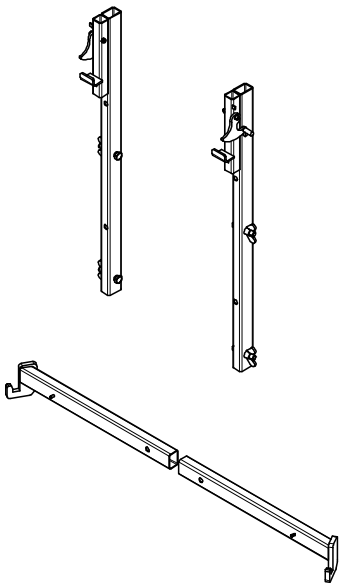
Accessories

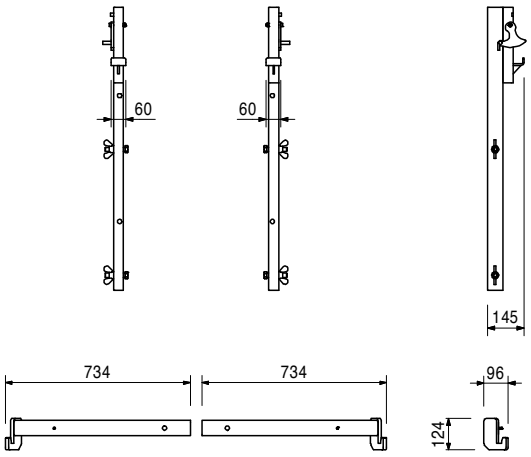
118114	14,200	**Connector MP - Trolley**
118605	21,500	**Connector Rosett - Trolley**
117954	21,200	**Connector Rosett Plus - Trolley**
118115	11,000	**Connector PD 8 - Trolley**

Item no.	Weight kg
118605	21,500

Connector Rosett - Trolley
For moving Rosett Towers with Trolley with Winch.

Note
Consisting of 2 parts:
support left and right.

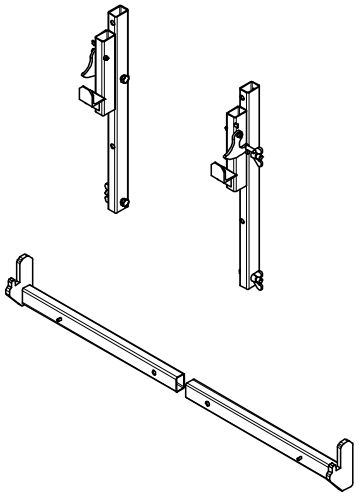


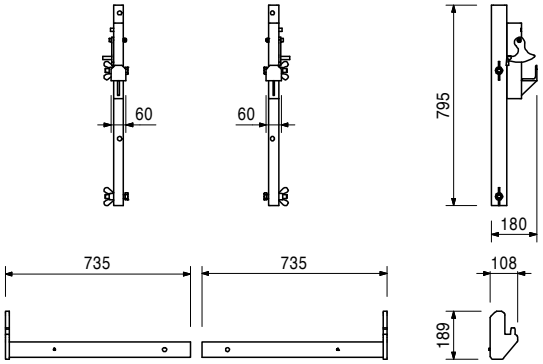


117954	21,200

Connector Rosett Plus - Trolley
For moving Rosett Plus Towers with Trolley with Winch.

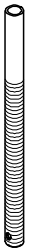
Note
Consisting of 2 parts:
Support left and right.

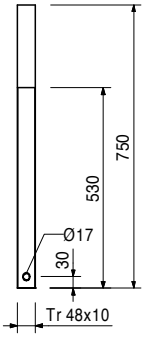




Item no.	Weight kg	
		Spindle Tubes TR 48, galv.
018120	4,400	**Spindle Tube TR 48-75/40, galv.**
018030	6,820	**Spindle Tube TR 48-116/80, galv.**

For use as head and base spindle for the PD 8 System.



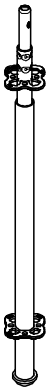


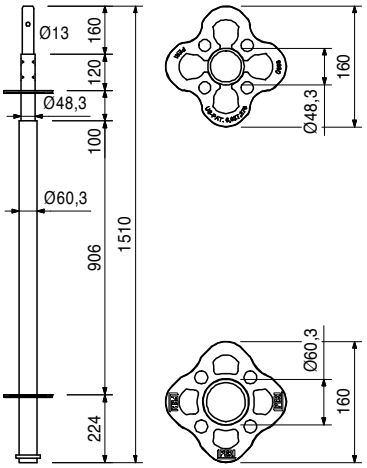
Accessories

018270	0,800	**Quick Jack Nut TR 48, galv.**

117196	9,930	**Base Standard UVB 135 Plus**

Use of Spindle Tube TR 48 in the base area through the transition of standard Ø 48 mm on a standard with Ø 60 mm.



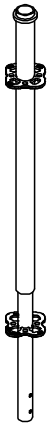


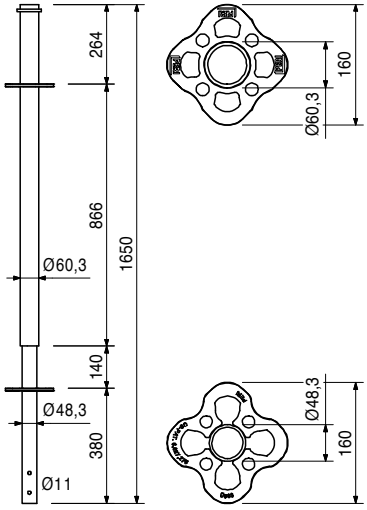
Accessories

107810	6,050	**Shoring Brace UBS 150/150**

Shoring Tower PERI UP Rosett Flex

Item no.	Weight kg	
117197	10,400	**Top Standard UVH 165 Plus** Use of Spindle Tube TR 48 and Cross Forkhead TR 48 in the top area through the transition of standards Ø 48 mm on a standard with Ø 60 mm.

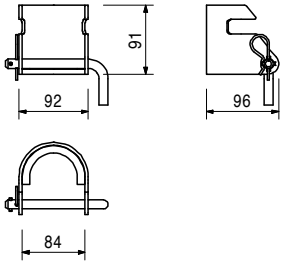




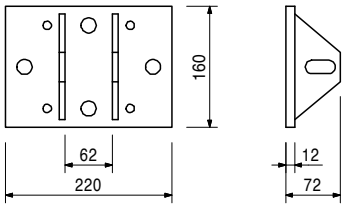
Accessories

107810	6,050	**Shoring Brace UBS 150/150**

117743	0,798	**Handle Lock UJS Plus** Secures Head- and Base Spindles Ø 48 mm in the standard plus during moving.



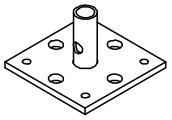
018040	3,770	**Head Plate for Spindle Tube TR 48** With the Cap Piece, can be tilted 2.1% in any direction.

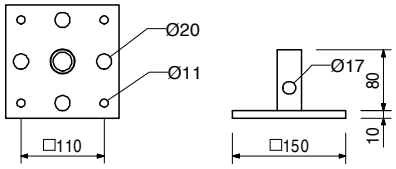


Accessories

018050	0,171	**Bolt Ø 16 x 65/86, galv.**
018060	0,030	**Cotter Pin 4/1, galv.**

Item no.	Weight kg	
018070	1,770	**Base Plate for Spindle Tube TR 48** Base plate for Spindle Tubes and Base Tube FR 80.



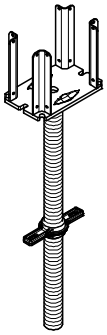


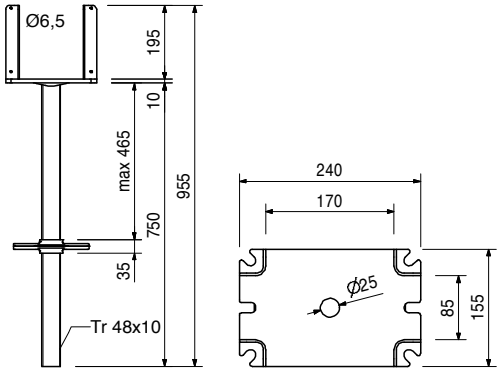
Accessories

018050	0,171	**Bolt Ø 16 x 65/86, galv.**
018060	0,030	**Cotter Pin 4/1, galv.**

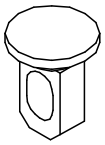
018630	8,870	**Cross Head Spindle TR 48-75/47, galv.** Head spindle for PD 8 slab table and Rosett Shoring.

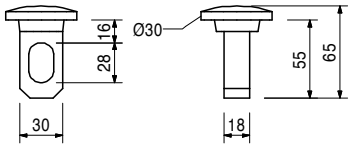
Complete with
1 pc. 018270 Quick Jack Nut TR 48, galv.



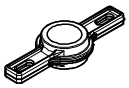


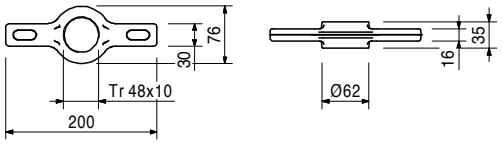
019660	0,340	**Cap Piece, galv.** For centric load application with PD 8 shoring towers. Allows 2.1% inclination of the head plate.



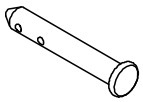


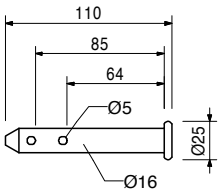
018270	0,800	**Quick Jack Nut TR 48, galv.** For spindles Ø 48 mm.





Item no.	Weight kg	
018050	0,171	**Bolt Ø 16 x 65/86, galv.** For different connections.





Accessories

018060	0,030	**Cotter Pin 4/1, galv.**

018060	0,030	**Cotter Pin 4/1, galv.** For bolts up to Ø 25 mm.

PERI International

01 PERI GmbH
Rudolf-Diesel-Strasse
89264 Weissenhorn
info@peri.com
www.peri.com

02 France
PERI S.A.S.
77109 Meaux Cedex
peri.sas@peri.fr
www.peri.fr

03 Switzerland
PERI AG
8472 Ohringen
info@peri.ch
www.peri.ch

04 Spain
PERI S.A.
28110 Algete - Madrid
info@peri.es
www.peri.es

05 Belgium/Luxembourg
N.V. PERI S.A.
1840 Londerzeel
info@peri.be
www.peri.be

06 Netherlands
PERI B.V.
5480 AH-Schijndel
info@peri.nl
www.peri.nl

07 USA
PERI Formwork Systems, Inc.
Elkridge, MD 21075
info@peri-usa.com
www.peri-usa.com

08 Indonesia
PT Beton Perkasa Wijaksana
Jakarta 10210
bpw@betonperkasa.com
www.peri.com

09 Italy
PERI S.p.A.
20060 Basiano
info@peri.it
www.peri.it

10 Japan
PERI Japan K.K.
Tokyo 103-0015
info@perijapan.jp
www.perijapan.jp

11 United Kingdom/Ireland
PERI Ltd.
Rugby, CV23 0AN
info@peri.ltd.uk
www.peri.ltd.uk

12 Turkey
PERI Kalıp ve İskeleleri
Esenyurt / İstanbul 34510
info@peri.com.tr
www.peri.com.tr

13 Hungary
PERI Kft..
1181 Budapest
info@peri.hu
www.peri.hu

14 Malaysia
PERI Formwork Malaysia
Sdn. Bhd.
43300 Seri Kembangan,
Selangor Darul Ehsan
info@perimalaysia.com
www.perimalaysia.com

15 Singapore
PERI ASIA Pte. Ltd
Singapore 387355
pha@periasia.com
www.periasia.com

16 Austria
PERI Ges.mbH
3134 Nußdorf ob der Traisen
office@peri.at
www.peri.at

17 Czech Republic
PERI spol. s r.o.
252 42 Jesenice u Prahy
info@peri.cz
www.peri.cz

18 Denmark
PERI Danmark A/S
2670 Greve
peri@peri.dk
www.peri.dk

19 Finland
PERI Suomi Ltd. Oy
05460 Hyvinkää
info@perisuomi.fi
www.perisuomi.fi

20 Norway
PERI Norge AS
3036 Drammen
info@peri.no
www.peri.no

21 Poland
PERI Polska Sp. z o.o.
05-860 Płochocin
info@peri.pl.pl
www.peri.pl.pl

22 Sweden
PERIform Sverige AB
30013 Halmstad
peri@periform.se
www.periform.se

23 Korea
PERI (Korea) Ltd.
Seoul 135-080
info@perikorea.com
www.perikorea.com

24 Portugal
PERIcofragens Lda
2790-326 Queijas
info@peri.pt
www.peri.pt

25 Argentina
PERI S.A.
B1625GPA Escobar – Bs. As.
info@peri.com.ar
www.peri.com.ar

26 Brazil
PERI Formas e
Escoramentos Ltda.
Vargem Grande Paulista
São Paulo
info@peribrasil.com.br
www.peribrasil.com.br

27 Chile
PERI Chile Ltda.
Colina, Santiago de Chile
peri.chile@peri.cl
www.peri.cl

28 Romania
PERI România SRL
077015 Balotești
info@peri.ro
www.peri.ro

29 Slovania
PERI Slowenien
2000 Maribor
peri.slo@triera.net
www.peri.com

30 Slovakia
PERI spol. s r.o.
903 01 Senec
info@peri.sk
www.peri.sk

31 Australia
PERI Australia Pty. Ltd.
Glendenning NSW 2761
info@periaus.com.au
www.periaus.com.au

32 Estonia
PERI AS
76406 Saku vald
Harjumaa
peri@peri.ee
www.peri.ee

33 Greece
PERI Hellas Ltd.
194 00 Koropi
info@perihellas.gr
www.perihellas.gr

34 Latvia
PERI SIA
2118 Salaspils novads,
Rigas rajons
info@peri-latvija.lv
www.peri-latvija.lv

35 United Arab Emirates
PERI (L.L.C.)
Dubai
perillc@perime.com
www.perime.com

36 Canada
PERI Formwork Systems, Inc.
Bolton, ON – L7E 1K1
info@peri.ca
www.peri.ca

37 Lebanon
Lebanon Representative Office
Jdeideh
lebanon@peri.de
www.peri.de

38 Lithuania
PERI UAB
02300 Vilnius
info@peri.lt
www.peri.lt

39 Morocco
PERI S.A.
Tanger
peri25@menara.ma
www.peri.com

40 Israel
PERI Formwork
Engineering Ltd
Petach Tikva, 49002
info@peri.co.il
www.peri.co.il

41 Bulgaria
PERI Bulgaria EOOD
1839 Sofia
peri.bulgaria@peri.bg
www.peri.bg

42 Iceland
Armar ehf.
220 Hafnarfjörður
www.armar.is

43 Kazakhstan
TOO PERI Kazakhstan
050059 Almaty
peri@peri.kz
www.peri.kz

44 Russian Federation
OOO PERI
142407, Noginsk District
moscow@peri.ru
www.peri.ru

45 South Africa
Wiehahn Formwork and
Scaffolding (Pty) Ltd.
7600 Stellenbosch
info@wiehahn.co.za
www.wiehahn.co.za

46 Ukraine
TOW PERI Ukraina
07400 Brovary
peri@peri.ua
www.peri.ua

47 Egypt
Egypt Branch Office
11361 Heliopolis / Cairo
info@peri.com.eg
www.peri.com.eg

48 Serbia
PERI Oplate d.o.o.
11272 Dobanovci
office@peri.rs
www.peri.rs

49 Mexico
PERI Cimbras y Andamios,
S.A. de C.V.
Estado de México,
info@peri.com.mx
www.peri.com.mx

50 Azerbaijan
PERI Kalıp ve İskeleleri
Baku
peribaku@peri.com.tr
www.peri.com.tr

51 Turkmenistan
PERI Kalıp ve İskeleleri
Aşgabat
ahmet.kadioglu@peri.com.tr
www.peri.com.tr

52 Belorussia
PERI Belarus
220100 Minsk
info@peri.by
www.peri.by

53 Croatia
PERI oplate i skele d.o.o.
10 250 Donji Stupnik/
Zagreb
info@peri.com.hr
www.peri.com.hr

54 Iran
PERI GmbH
Iran Branch Office
Tehran
info@peri.ir
www.peri.ir

55 India
PERI (India) Pvt Ltd
Mumbai – 400064
info@peri.in
www.peri.in

56 Jordan
PERI GmbH - Jordan
11947 Amman
jordan@peri.com
www.peri.com

57 Kuwait
PERI Kuwait
13011 Kuwait
kuwait@peri.com
www.peri.com

58 Saudi Arabia
PERI Engineering
Division of Jamjoom
Consult Saudi Arabia
21463 Jeddah
info@peri.com.sa
www.peri.com.sa

59 Qatar
PERI Qatar LLC
P.O.Box: 31295 - Doha
info@periqatar.com
www.periqatar.com

60 Algeria
Société PERI S.A.S.
Kouba - Alger
peri.alger@peri.fr
www.peri.fr

61 Albania
PERI Sh.p.k.
Tirane
erti.hasanaj@peri.com.tr
www.peri.com.tr

62 Peru
PERI Peruana SAC
Villa El Salvador, Lima
contacto@peri.com.pe
www.peri.com.pe

63 Panama
PERI Panama Inc.
0832-00155 Panama City
info@peri.com.pa
www.peri.com.pa

64 Angola
PERIcofragens, Lda.
Luanda
renato.portugal@peri.pt
www.peri.pt

65 Nigeria
Heights Access Nigeria Ltd.
Victoria Island, Lagos
info@heightsaccessng.com
www. heightsaccessng.com

66 Oman
PERI (L.L.C.)
Muscat
perimct@perime.com
www.perime.com

The optimal System for every Project and every Requirements

Wall Formwork

Column Formwork

Slab Formwork

Climbing Systems

Tunnel Formwork

Bridge Formwork

Shoring Systems

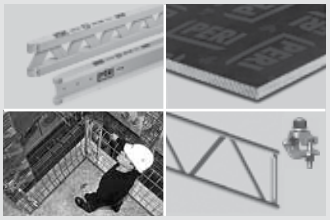
Construction Scaffold

Facade Scaffold

Industrial Scaffold

Access

Protection Scaffold



System-Independent Accessories

Services

PERI GmbH
Formwork Scaffolding Engineering
P.O. Box 1264
89259 Weissenhorn
Germany
Tel. +49 (0)7309.950-0
Fax +49 (0)7309.951-0
info@peri.com
www.peri.com