

Key



Safety instructions



Note



Visual check

Dimension specifications

Dimensions are usually given in mm. Other measurement units, e.g. cm, are shown in the illustrations. Load details are usually given in kg. Other measurement units, e.g. t, are shown in the illustrations.

Conventions

- Instructions are numbered with: 1., 2., 3.
- The result of an instruction is shown by: →
- Position numbers are clearly provided for the individual components and are given in the drawing, e.g. **1**, in the text in brackets, for example (1).
- Multiple position numbers, i.e. alternative components, are represented with a slash: e.g. **1 / 2**.

Arrows

➡ Arrow representing an action

Safety instructions

The safety instructions alert site personnel to the risks involved and provide information on how to avoid these risks.

Safety instructions are featured at the beginning of the section ahead of the instructions, and are highlighted as follows:



Danger

This sign indicates an extremely hazardous situation which, if not avoided, will result in death or serious injury.



Warning

This sign indicates a hazardous situation which, if not avoided, could result in death or serious injury.



Caution

This sign indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



This sign indicates warning of situations whereby failure to observe the information can result in material damage.

Safety instructions

General

When using PERI lifting accessories, the Instructions for Use and identification markings are to be complied with at all times!

Deviations from the standard configuration are only permitted after a further risk assessment has been carried out by the contractor.

On the basis of this risk assessment, appropriate measures for working and operational safety as well as stability are to be determined.

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

The contractor must ensure that the Instructions for Use provided by PERI are available at all times for the users and that they are fully understood!

The contractor can only assign those persons to independently use lifting accessories who are actually familiar with the task!

PERI lifting accessories are to be used in such a way that persons are not put at risk!

The maximum load-bearing capacity of PERI lifting accessories must not be exceeded!

All persons using the lifting accessories must monitor the equipment during use for obvious defects (e.g. deformations, cracks, breaks, incomplete markings)!

Do not use damaged lifting accessories!

PERI lifting accessories may not be if the type plate and/or inspection sticker is missing or illegible!

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.

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

Safety instructions

Product-specific

Loads are to be moved with the Table Lifting Forks only during calm or light wind conditions. Safe guidance of the slab tables must be ensured at all times.

Store and transport Table Lifting Forks ensuring that no unintentional change in their position is possible. Release the Table Lifting Forks from the lowered units only if these are in a stable position and no unintentional change is possible.

Do not compromise the stability of the Table Lifting Forks by leaning other items against them.

Do not climb on or use the Table Lifting Forks for transporting persons. Persons are not allowed to remain under the load being lifted.

Ensure steel wire ropes or chains are free of knots!

Twisted chains are to be straightened before lifting takes place.

Do not tension or pull steel wire ropes and chains over sharp edges when under load.

Hoist Table Lifting Forks individually using suitable lifting gear.

When lifting and lowering slab tables, ensure that any unintentional slipping, toppling over, falling apart or rolling is avoided.

Ensure that slab tables are not carrying any loads when being moved.

Never abruptly set down Table Lifting Forks, whether with or without a slab table.

Do not exceed the permissible load-bearing capacity of the Table Lifting Forks.

Table Lifting Forks must correctly be loaded and positioned on trucks or other transport vehicles and secured against slipping.

During the moving procedure, always use a guide rope.

Only sufficiently load-bearing and flat storage or stacking areas are to be used.

Intended use

PERI products have been designed for exclusive use in the industrial and commercial sectors by qualified personnel only.

The products described here have been designed for lifting formwork materials for various jobsite operations and thus allow orderliness and safe logistical operations on the construction site. For use in ambient temperatures from -20°C to +60°C.

In the case of unfavourable weather conditions, suitable precautions and measures are to be implemented in order to guarantee working safety and stability.

Components provided by the contractor must conform with the characteristics required in these Instructions for Use as well as with all valid regulations and standards. The following applies unless otherwise indicated:

- 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.

These Instructions for Use contain information for ensuring proper handling and correct application, inspection and maintenance.

The product described here corresponds to the relevant provisions and regulations of Machinery Directive 2006/42/EC.

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

The Table Lifting Forks described here are lifting accessories and are exclusively used for moving PERI VARIODECK Slab Tables, Table Modules, MULTIPROP, UNIportal, PERI UP and PD 8. Likewise, tables with rigid supports (Table Head TK) are to be used.

The Table Lifting Forks are designed in a way that they are held in an almost horizontal position, both in an unloaded condition as well as when carrying a load through the spring-mounted compensation lever on the gallows section.

The clear height of the Table Lifting Forks allows their use for parapets and beams as well as moving operations for up to two floors.

The operational sequences featured in these Instructions for Use are an example for all Table Lifting Forks.

Instructions for Use

The use in a way not intended or deviating from the intended use according to the Instructions for Assembly and Use represents a misapplication with a potential safety risk.

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

Only PERI original parts may be used.

The use of other products and spare parts represents a misapplication with associated safety risks.

Do not use damaged lifting accessories.

Residual risks

The materials and components fully complied with all valid safety regulations at the time when they were first available on the market. Nevertheless, a residual risk cannot be ruled out in the case of exceptional circumstances.

Target groups

Contractors

These Instructions for Use are intended for contractors who either

- assemble, modify and dismantle PERI products, or
- use them, e.g. for concreting, or
- who have them used, e.g. for forming operations.

Construction site coordinator

The Safety and Health Coordinator*

- is appointed by the client,
- must identify potential hazards during the planning phase,
- determines measures that provide protection against risks,
- creates a safety and health plan,
- coordinates the protective measures for the contractor and site personnel so that they do not endanger each other,
- monitors compliance with the protective measures.

Competent personnel

Due to the specialist knowledge gained from professional training, work experience, and recent professional activity, the competent person has a reliable understanding of safety-related issues and can correctly carry out testing. Depending on the complexity of the test to be undertaken, e.g. scope of testing, type of testing or the use of a certain measuring device, a range of specialist knowledge is necessary.



- **In other countries, ensure that the relevant national guidelines and regulations in the respective current version are complied with!**
- **If no country-specific regulations are available, it is recommended to proceed according to German rules and regulations.**

* Valid in Germany: Regulations for Occupational Health and Safety on Construction Sites 30 (RAB 30).

Qualified persons

PERI products may only be assembled, modified or dismantled by personnel who are suitably qualified to do so. For the work to be carried out, the qualified persons must have received instructions** which contain at least the following points:

- Explanation of the plan for the assembly, modification or dismantling of the PERI product in an understandable form and language.
- Description of measures in order to safely assemble, modify or dismantle the PERI product.
- Designation of the preventive measures to avoid the risk of persons and objects falling.
- Designation of the safety precautions in the event of changing weather conditions which could adversely affect the safety of the PERI product concerned as well as the personnel.
- Details regarding the permissible loads.
- Description of any other risks that are associated with the assembly, modification or dismantling procedures.

** Instructions are given by the contractor himself or a competent person selected by him.

Storage and transportation

Store and transport the lifting accessory so that it cannot unintentionally change its position or be damaged in any way.

Do not drop the lifting accessory.

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

Do not place any loads on the lifting accessory.

Use original PERI storage and transport systems, e.g. crate pallets.

Store in a dry, clean and corrosion-protected condition at temperatures from -20 °C to +60 °C.

PERI lifting accessories must be protected against the effects of the weather and aggressive materials if safety is then likely to be affected!

During transport, intermediate storage or when remaining suspended on the load, ensure that it remains free of dirt and that its functionality is not affected.

Cleaning and maintenance instructions

The lifting accessory has been designed for long-term use on construction sites.

In order to maintain the value and operational readiness for a long time, ensure that it is carefully handled at all times. This is necessary in order to ensure a cost-effective and technically correct utilization during the intended duration of use.

Repairs are to be carried out by PERI only. Only original PERI components may be used.

The repair or replacement of worn components is essential if there are signs of visible damage.

Checks and inspections

1. General

The procedure described in this section is based on the current German regulations for testing and inspections.

The respective regulations of the individual states and countries where this product is used must be taken into account.

The contractor is responsible for determining the type, scope and periods of the required checks to be carried out on the work equipment. These checks serve to systematically identify and remedy any safety-related defects.

2. Purpose

The check carried out before the initial operations as well as regularly recurring inspections of the lifting accessory ensure that operational safety and functional reliability is guaranteed.

3. Responsibility

The contractor must ensure that the lifting accessory is put into operation only if it has been inspected by a qualified person and that any defects noted have been corrected and all non-functional equipment has been replaced.

Checks and inspections

4. Inspection

4.1 Safety check

The contractor arranges for an inspection to take place before initial operations of the lifting accessory begin, which is to be carried out by a suitably qualified person.

4.2 Implementing the inspection

The inspection includes a visual and functional check:

Visual check

- Deformation and lengthening of the components.
- Mechanical damage.
- Availability of all parts.
- Damage due to corrosion.
- Cracks, flattening, notches on welding seams and components.

Functionality check

- Free and easy movement of moving parts.
- Locking system works correctly.
- Safety pawls and safety hooks engage.
- Eyes or shackles for fastening purposes are usable.

Implementation of anything beyond the usual scope of inspection is subject to the discretion of the qualified person and can extend to additional checks.

4.4 Measures

If any defects are determined during the safety check, they must be eliminated according to the instructions provided by the qualified person. A new inspection is to be subsequently carried out.

Only original PERI components may be used.

Identification markings

Identification markings of the Table Lifting Forks

Type plate

(Example: 1.25 t / 6.0 m)



Caution

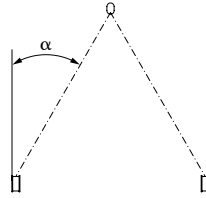
Do not use the Table Lifting Forks if the type plate is missing or illegible!



Fig. 1

1. Crane sling angle α

The crane sling angle α is the angle between the perpendicular and inclination of the chain suspension.



2. Load-bearing capacity

The load-bearing capacity is the maximum load which the lifting accessory can lift.

3. Type plate

A permanent identification marking is mounted on every lifting accessory and contains the following data: manufacturer, type, item number, dead weight, year of construction, load-bearing capacity. If the type plate is missing or illegible, an inspection as well as mounting of a replacement is to be carried out exclusively by PERI.

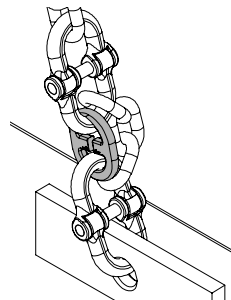


4. Inspection plate

The inspection plate shows the next required inspection date. It is mounted by a qualified person after an inspection has been successfully carried out.

5. Control element

The control element is an immediate visual indicator of overloading.



Load-bearing capacity

Table Lifting Fork 1 t / 5.0 m:

Load-bearing capacity 1 t
for a max. table length of 5.0 m.



Warning!

Check nominal size of the control element!

Nominal size = 4 mm.

Table Lifting Fork 1.25 t / 6.0 m complete:

Load-bearing capacity 1.25 t
for a max. table length of 6.0 m



Warning!

Check nominal size of the control element!

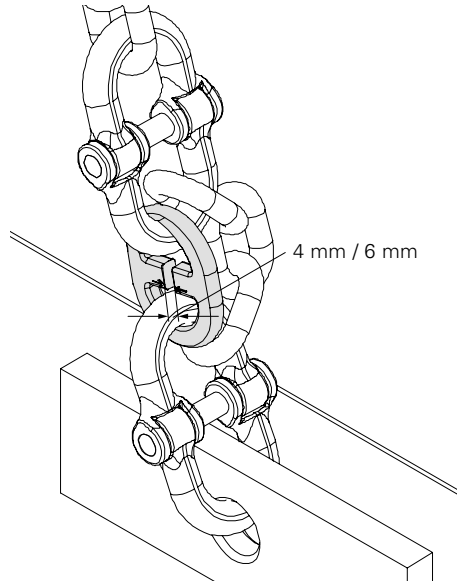
Nominal size = 6 mm.

Table Lifting Fork 1.75 t / 8.0 m:

Load-bearing capacity 1.75 t
for a max. table length of 8.0 m
(without control element).

Table Lifting Fork 1.5 t / 8.0 m / 6.6 m:

Load-bearing capacity 1.5 t
for a max. table length of 8.0 m and
longer vertical tube (6.60 m)
(without control element).



Storage and transportation



Warning!

Table Lifting Forks must be correctly loaded and positioned on trucks or other transport vehicles and secured against slipping!



The safety bolt (4.1) is not available with the Table Lifting Fork 1.5 t / 8.0 m / 6.6 m! (Fig. 3a)

Storage

1. Insert fork arms (4) and slide together. (Fig. 1 + 5 – 8)
2. Remove connector (5).
3. Fold down gallow section (1) and secure with connector (5). (Fig. 2)
4. Lift safety bolt (4.1) and fold back fork arms. (Fig. 3)
5. Lifting chain (7) is wrapped around as required.

The Table Lifting Fork is in a transport position and can be stored or transported in this way on the truck. (Fig. 4 – 8)

Transportation / Moving

- Remove lifting chain and attach crane lifting chains, (Fig. 13 – 15) or
- pull the 2-sling lifting gear through the forklift pockets (9) and connect crane hook (Fig. 5 + 9), or
- accommodate Table Lifting Fork in the forklift pockets or with the forklift forks accordingly. (Fig. 5 – 9)

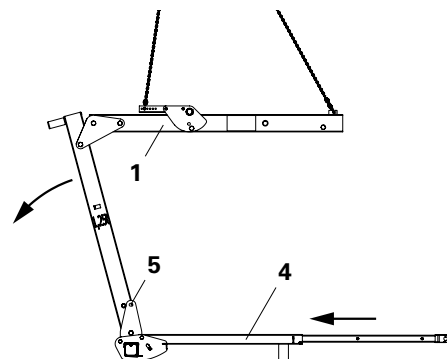


Fig. 1

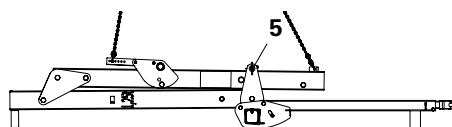


Fig. 2

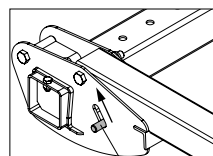


Fig. 3a

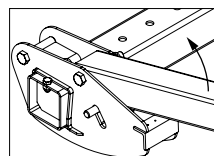


Fig. 3b

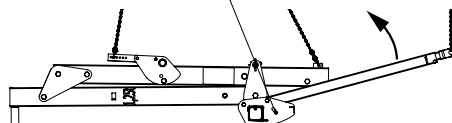


Fig. 3

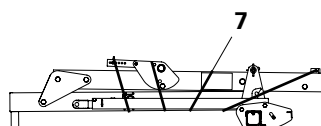


Fig. 4

Table Lifting Fork 1 t / 5.0 m

(Fig. 5)

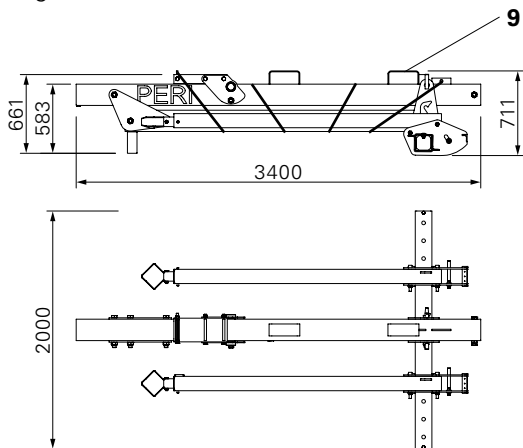


Fig. 5

Table Lifting Fork 1 t / 5.0 m non-foldable

(Fig. 6)

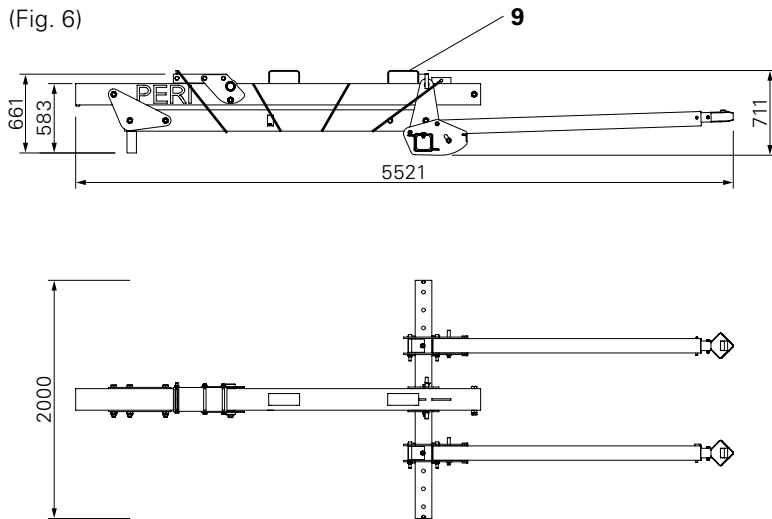


Fig. 6

Table Lifting Fork 1.25 t / 6.0 m complete

(Fig. 7)

Position of the forklift forks (13).

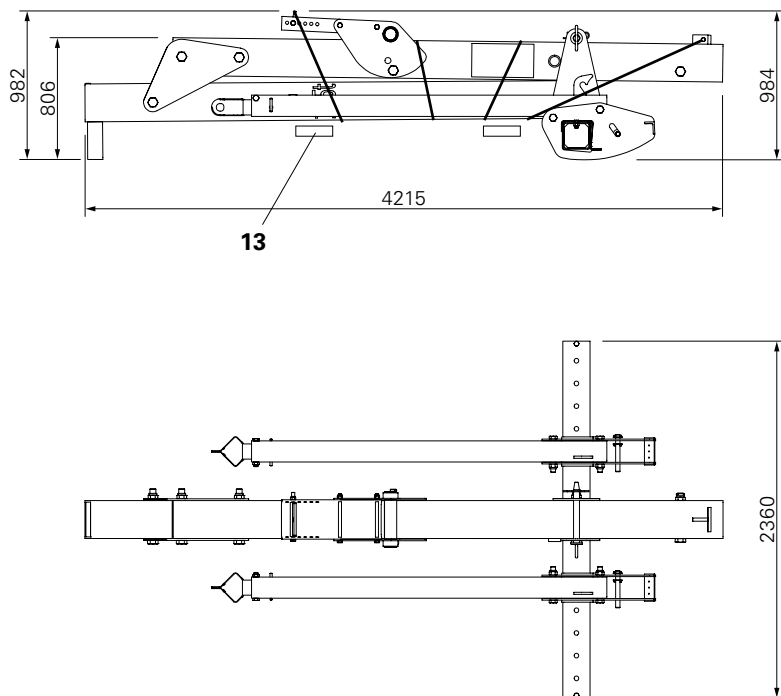


Fig. 7

Table Lifting Fork 1.75 t / 8.0 m

(Fig. 8)

Position of the forklift forks (13).

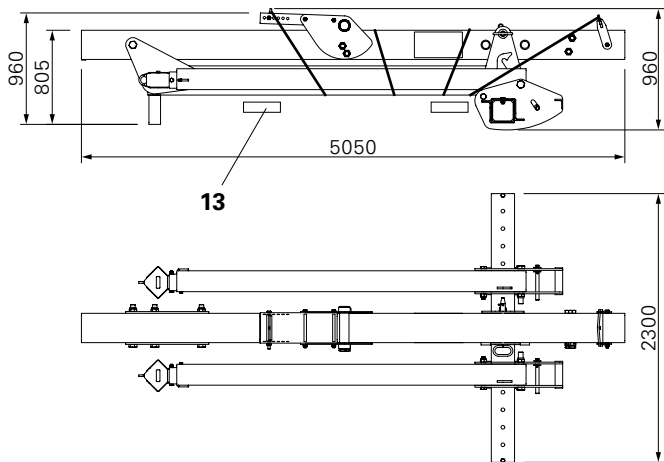


Fig. 8

Table Lifting Fork 1.5 t / 8.0 m / 6.6 m

(Fig. 9)

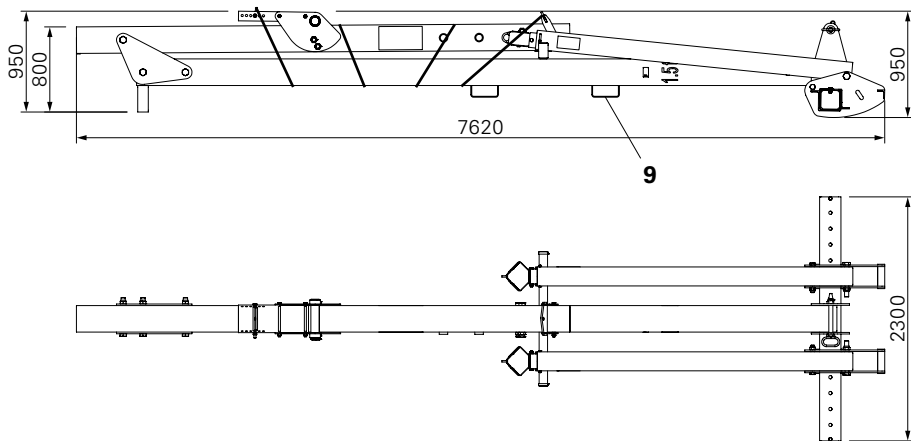


Fig. 9

Preparations for use

Example:

Table Lifting Fork 1.25 t / 6.0 m

Disconnect fork arms

1. Fold down the fork arms (4) one after the other with the crane until the safety bolt (4.1) engages. (Fig. 10)
2. Place timbers underneath and pull back locking pawl (6). (Fig. 11 + 11a)
3. Lift fork arm (4).
4. Adjust spacing in increments of 150 mm. Set up spacing symmetrically to the gallows section and as wide as permitted by the slab table between the props. (Fig. 12)
5. Bring locking pawl into securing position. (Fig. 12a)



Visual check of the safety bolts and locking pawls!

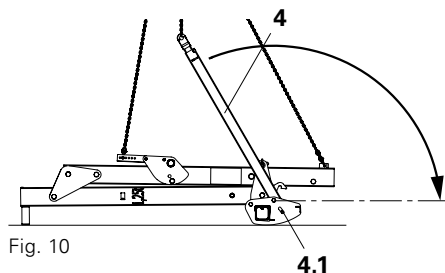


Fig. 10

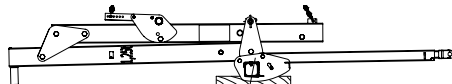


Fig. 11

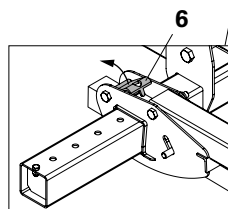


Fig. 11a

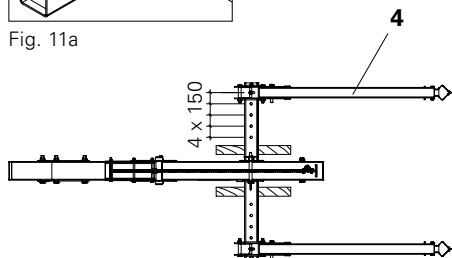


Fig. 12

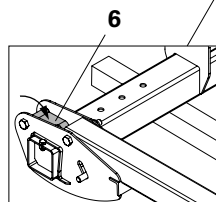


Fig. 12a

Folding out the Table Lifting Fork

1. Pull cotter pin and remove pin (5). (Fig. 13)
2. Attach crane lifting gear to the lifting chain (7) and slowly hoist upwards until the vertical post (2) is perpendicular = working position. (Fig. 14)
3. Connect vertical post (2) and fork (3) using the pin (5) and secure with cotter pin. (Fig. 15)

The Table Lifting Fork is now suspended horizontally.

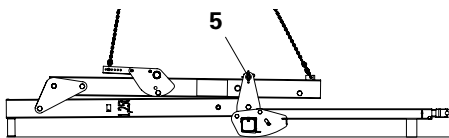


Fig. 13

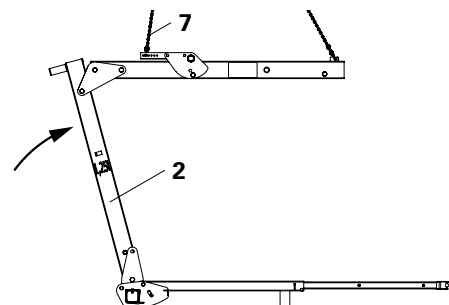


Fig. 14

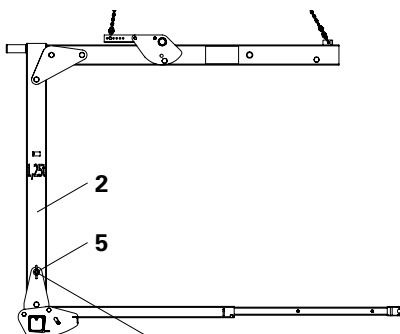
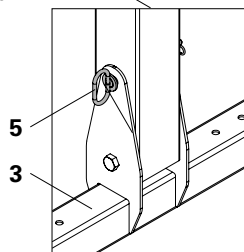


Fig. 15



Telescoping the fork arms

The fork arms are to be telescoped to ensure the stability of the slab tables in a longitudinal direction.

1. Remove pin (4.2). (Fig. 16a)
2. Telescope the fork arms (4).
 - 1 t / 5.0 m: 2 x 750 mm
 - 1.25 t / 6.0 m complete: 2 x 925 mm
 - 1.75 t / 8.0 m: 2 x 1240 mm
 - 1.5 t / 8.0 m / 6.6 m: 2 x 1250 mm
3. Secure fork arm with pin. (Fig. 16b)



Visual check of the pin.

The Table Lifting Fork is now ready for use.

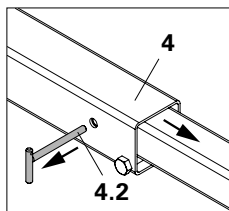


Fig. 16a

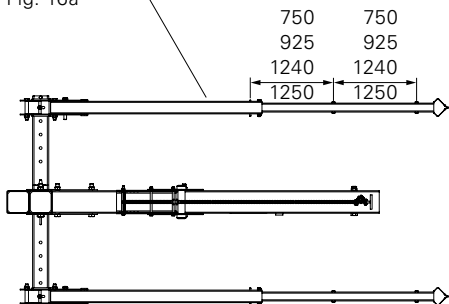


Fig. 16

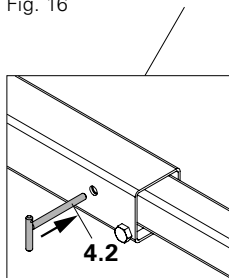


Fig. 16b

Moving of slab tables

General

Top and bottom sections of the table must be tightly connected to each other. Ensure that cross beams and main beams are firmly connected together.

The Table Lifting Fork suspended on the crane can lift the slab table from under the main beams as well as from under the cross beams.

Lift the slab table symmetrically to the centre of gravity.



Warning!

- **Do not shorten the chains or wrap them around the gallows section!**
- **The compensation lever (8) is released due to lifting of the load and then swivelled upwards!**
(Fig. 17a + 17b)
- **Crane height for the moving procedure is to be taken into consideration!**

A limit stop (4.3), mounted at the end of the telescoped fork arms, prevents the slab table from sliding forward. Lateral sliding of the table is prevented by the fork arms being moved further apart. (Fig. 18a + 18b)

During assembly, and when setting up the slab tables, attention must be paid to the folding direction of the supports. Lower the slab table at least 10 cm and move the Table Lifting Fork under the top section, then lift using the fork arms. Pull the slab tables slowly out of the structure and place in position at next place of use.

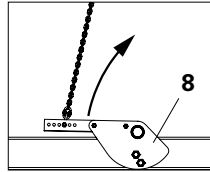


Fig. 17a

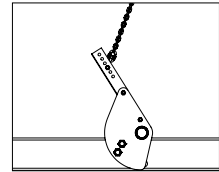


Fig. 17b

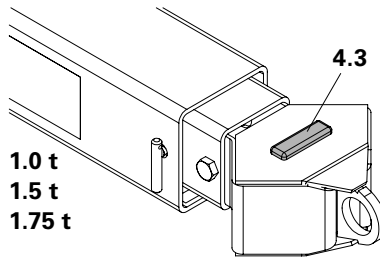


Fig. 18a

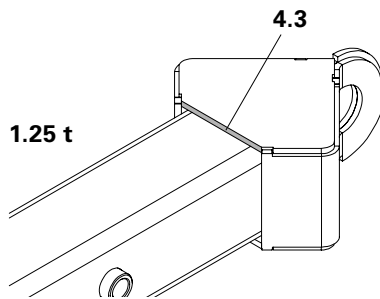


Fig. 18b

VARIODECK / Table Module VT

Table with Table Swivel Head



Warning!

Do not release the retaining clip of the Table Module when retracting the fork arms!

Example with Table Lifting Fork 1.75 t / 8.0 m.
(Fig. 19)

Moving procedure for slab tables with rigid supports such as the Table Head TK remains the same.

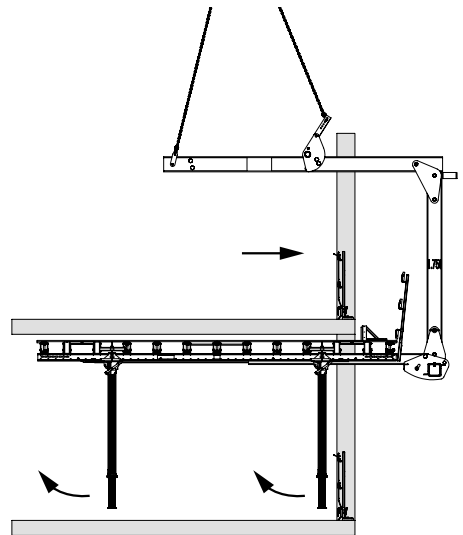


Fig. 19

MULTIPROP

Example with Table Lifting Fork 1.25 t / 6.0 m complete.
(Fig. 20)

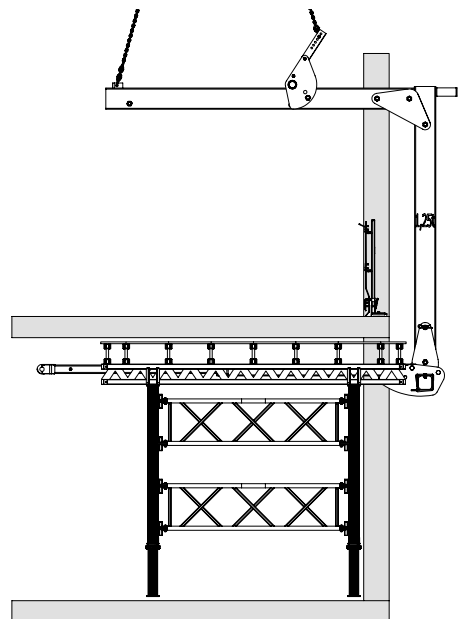


Fig. 20

Table Lifting Forks

Translation of the Original Instructions for Use

PERI UP / PD 8

(Fig. 21)

Example with Table Lifting Fork 1.25 t / 6.0 m complete.

Firstly, lower the Table by approx. 10 cm. For moving by crane, all spindles and posts must be tightly connected.



Visual check of all connections.

Slab tables with foldable props

Firstly, lower the Table by approx. 10 cm. The Table Lifting Fork holds the slab table.

1. Release prop heads.
2. Lift props. Take the swivel direction into account.
Alternative: suspend props on the main beams with chains.
3. Move slab table using the Table Lifting Fork over the parapet. (Fig. 22)
4. Release props. The props pivot back and then lock in position.



Visual check of the retaining clip!

If necessary, when positioning the slab table at the next place of use, the prop is to be brought into the locked position by hand.

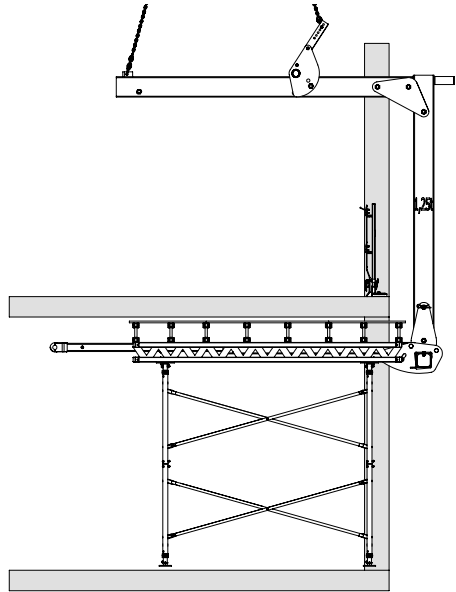


Fig. 21

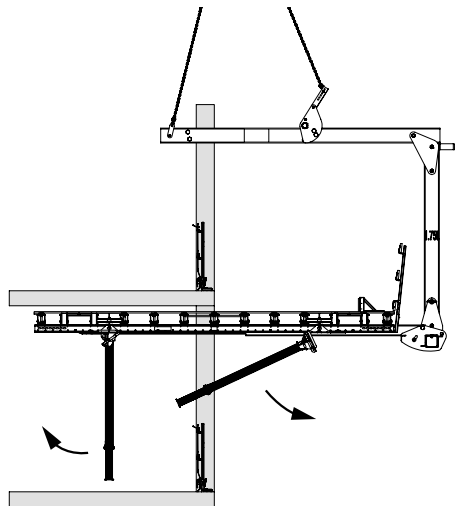


Fig. 22

Table Lifting Fork 1.5 t / 8.0 m / 6.6 m

For moving slab tables with table lengths up to 8.0 m over 2 storeys.
(Fig. 23)

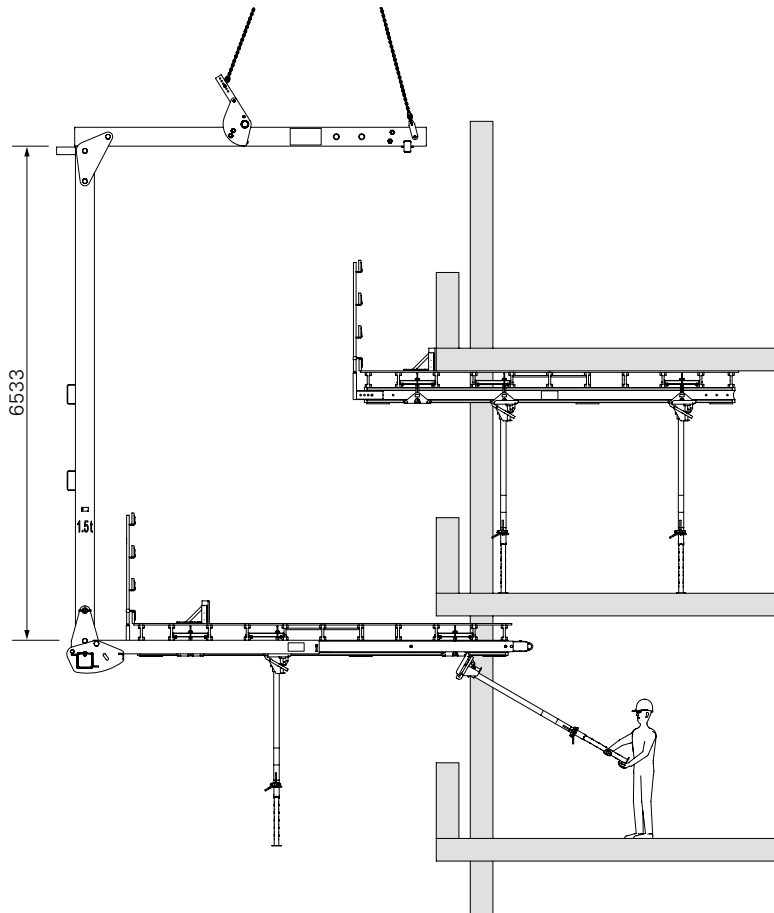


Fig. 23

Intermediate storage

Table Lifting Fork

1 t / 5.0 m

1.25 t / 6.0 m complete

1.75 t / 8.0 m

Fold up galleys section (4) with the crane.

(Fig. 24)

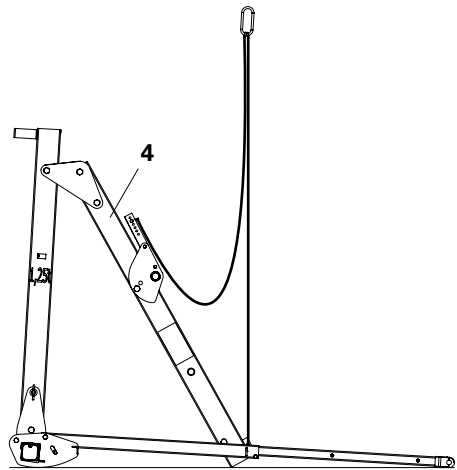


Fig. 24

Table Lifting Fork 1.5 t / 8.0 m / 6.6 m

1. Pull cotter pin and remove pin (5).
(Fig. 25)
2. Fold down vertical post (2) and gal-
lows section (4) with the crane.
(Fig. 26)

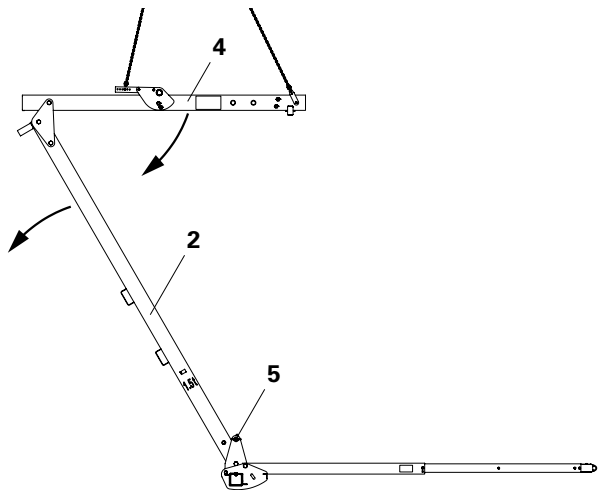


Fig. 25

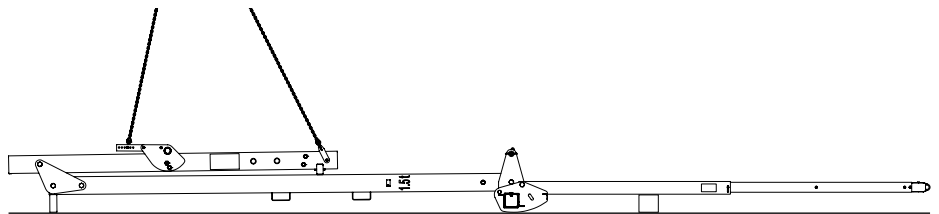


Fig. 26

Item no.	Weight kg
101862	571.000

Lifting Fork 1 t / 5.0 m

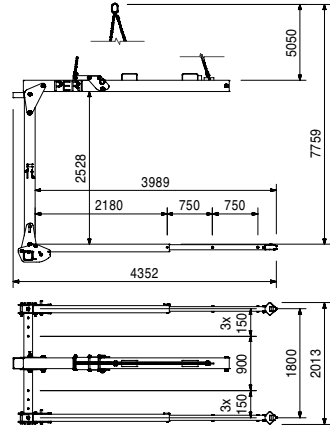
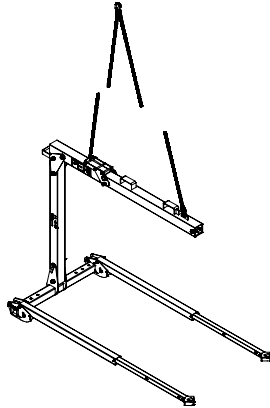
For moving PERI Slab Tables.
Table length up to 5.0 m.

Note

Follow Instructions for Use!

Technical Data

Permissible load-bearing capacity 1.0 t.



Item no.	Weight kg
112230	1010.000

Lifting Fork 1.25 t / 6.0 m compl.

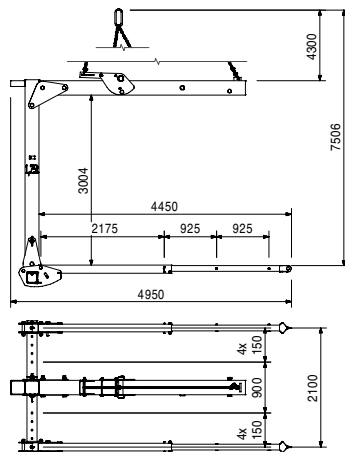
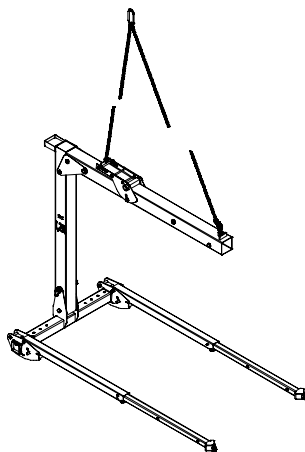
For moving PERI Slab Tables.
Table length up to 6.0 m.

Note

Follow Instructions for Use!

Technical Data

Permissible load-bearing capacity 1.25 t.



Item no.	Weight kg
103212	1570.000

Lifting Fork 1.75 t / 8.0 m

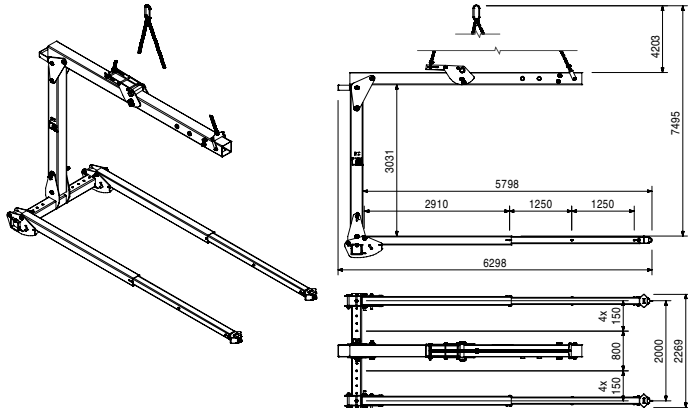
For moving PERI Slab Tables.
Table length up to 8.0 m

Note

Follow Instructions for Use!

Technical Data

Permissible load-bearing capacity 1.75 t.



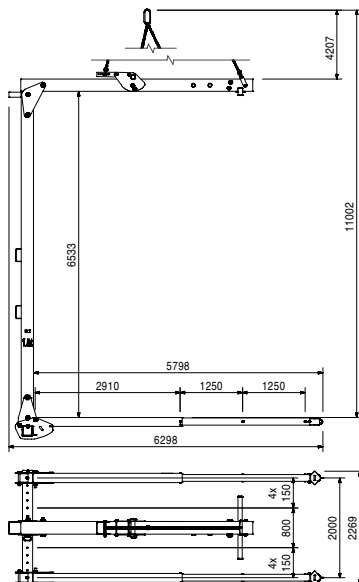
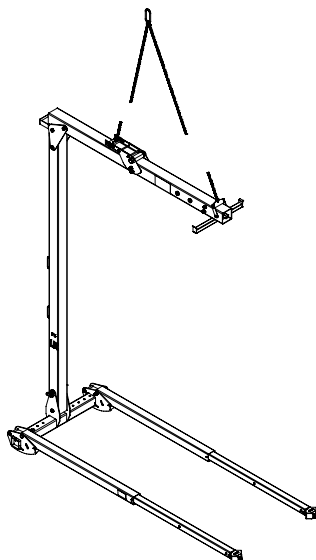
Item no.	Weight kg		
115865	1800.000	Lifting Fork 1.5 t / 8.0 m / 6.6 m	Note

For moving PERI Slab Tables.
Tables length up to 8.00 m over two floors.

Follow Instructions for Use!

Technical Data

Permissible load-bearing capacity 1.5 t.



EG-Konformitätserklärung

im Sinne der EG-Richtlinie 2006/42/EG

Anhang II Teil 1 Abschnitt A

Hiermit erklären wir, dass das nachfolgende Produkt aufgrund seiner Konzipierung und Bauart, sowie in der von uns in Verkehr gebrachten Ausführung den einschlägigen, grundlegenden Sicherheits- und Gesundheitsanforderungen der betreffenden EG-Richtlinien entspricht. Bei einer nicht mit uns abgestimmten Änderung des Produkts verliert diese Erklärung ihre Gültigkeit.

Tisch Umsetzgabel 1 t / 5,0 m	Art.-Nr. 101862
Tisch Umsetzgabel 1,25 t / 6,0 m kompl.	Art.-Nr. 112230
Tisch Umsetzgabel 1,75 t / 8,0 m	Art.-Nr. 103212
Tisch Umsetzgabel 1,5 t / 8,0 m / 6,6 m	Art.-Nr. 115865

Einschlägige EG-Richtlinien:

EG Maschinenrichtlinie 2006/42/EG

Angewandte europäische Normen:

EN 13155, EN 818-2, EN 1677, EN 12100, EN 13857

Angewandte nationale Normen und technische Spezifikationen:

DIN EN 1991, DIN EN 13155, DIN 18800-7, BGR 500

Weißenhorn, den 19.07.2017

Hersteller

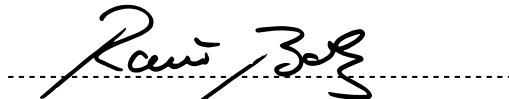
PERI GmbH
Postfach 1264
89259 Weißenhorn

Technischer Dokumentations- beauftragter

Dipl.-Ing. Rainer Bolz
PERI GmbH

Leitung Produktentwicklung

Dipl.-Ing. Rainer Bolz
PERI GmbH



This document is a translation into English from the German original.

EC Declaration of Conformity

as defined in EU Directive 2006/42/EC
Appendix II, Part 1, Section A

We hereby declare that the following product, due to its design and type as well as the form in which it is marketed, conforms to the relevant basic health and safety requirements of the above-mentioned EU Directive. If any alteration is made on this product without our prior agreement this declaration loses its validity.

Lifting Fork 1 t / 5.0 m	Item no. 101862
Lifting Fork 1.25 t / 6.0 m compl.	Item no. 112230
Lifting Fork 1.75 t / 8.0 m	Item no. 103212
Lifting Fork 1.5 t / 8.0 m / 6.6 m	Item no. 115865

Relevant EC Directives:

EU Machinery Directive 2006/42/EC

Applied European standards:

EN 13155, EN 818-2, EN 1677, EN 12100, EN 13857

Applied national standards and technical specifications:

DIN EN 1991, DIN EN 13155, DIN 18800-7, BGR 500

Weissenhorn, 19.07.2017

Manufacturer

PERI GmbH
P.O. Box 1264
89259 Weissenhorn / Germany

**Technical Documentation
Officer**

Dipl.-Ing. Rainer Bolz
PERI GmbH

Head of Product Development

Dipl.-Ing. Rainer Bolz
PERI GmbH

**The optimal
System for every
Project and every
Requirement**



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Column Formwork



Slab Formwork



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Safety Systems



**System-Independent
Accessories**



Services



**PERI GmbH
Formwork Scaffolding Engineering**

Rudolf-Diesel-Strasse 19

89264 Weissenhorn

Germany

Tel. +49 (0)7309.950-0

Fax +49 (0)7309.951-0

info@peri.com

www.peri.com