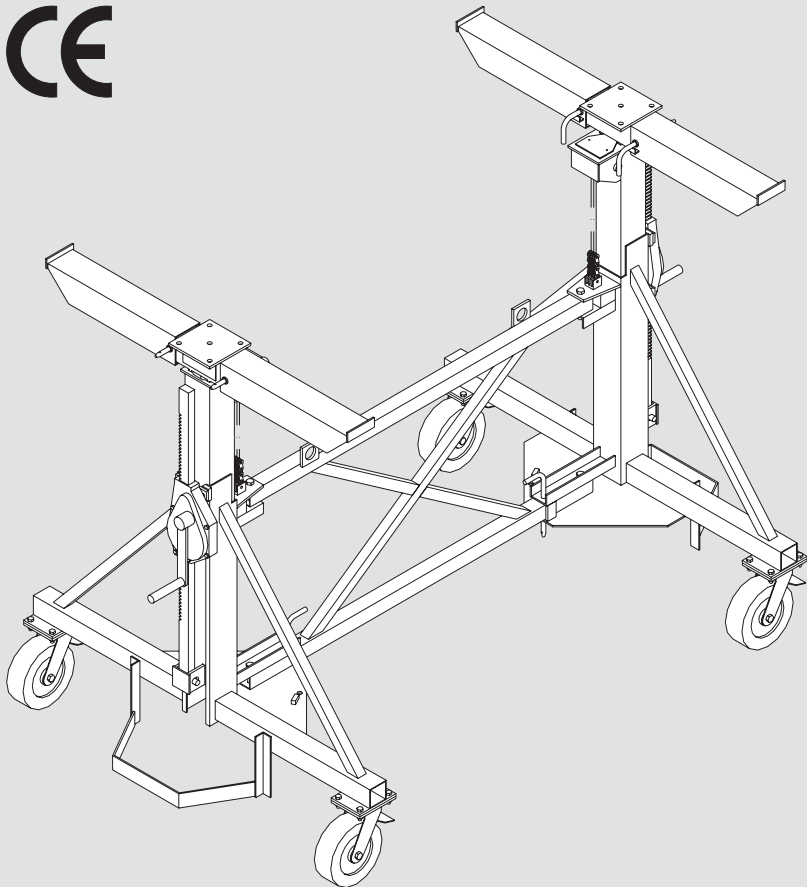


## Table Trolley

Item no. 028710 / 028715

Instructions for Use





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### Key



Important safety instructions

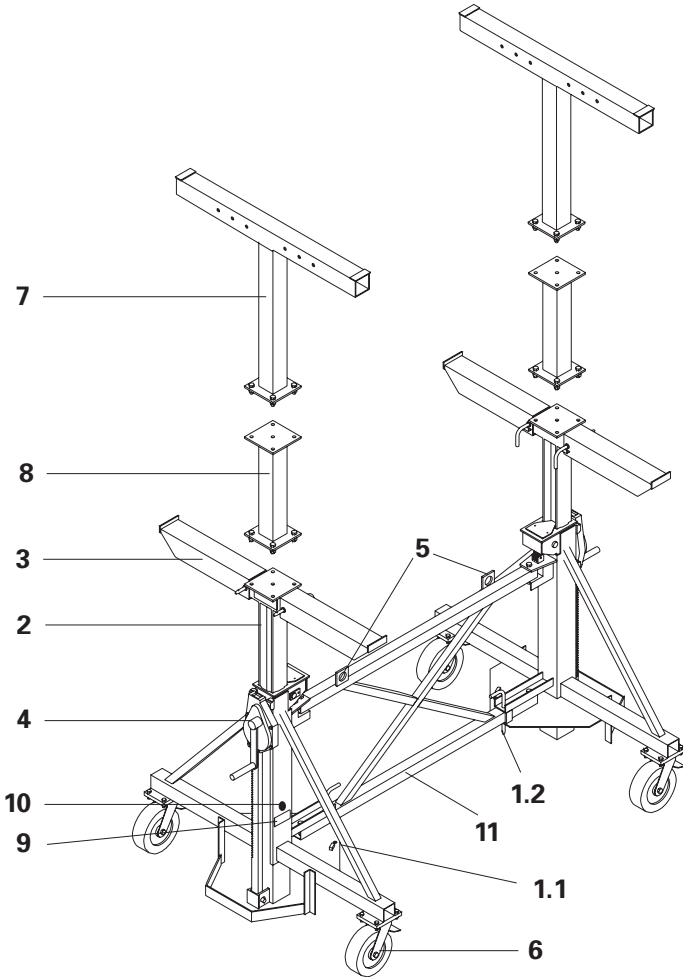


Hints



Visual Check

## A1 Overview



**1.1** Transport position

**1.2** Working position

**2** Lifting standard

**3** Load supporting arms + extension

**4** Winch

**5** Crane eyes

**6** Guide roller

**7** Extension 100

**8** Raising piece 60

**9** Type plate

**10** Test plate

**11** Inspection sticker 200 or 170

## A2 Safety instructions



- 1.** The contractor may only authorize persons for the erection, maintenance or operation of the Table Trolley who are suitable and familiar with the working procedures!
- 2.** The contractor must ensure that the instructions for use supplied by PERI are on site, brought to the knowledge of the persons named above and are accessible to them!
- 3.** Correct use of the Table Trolley is required at all times in order to avoid endangering site personnel!
- 4.** Persons are forbidden from being carried on the load!
- 5.** The load-bearing capacity of the Table Trolley must not be exceeded! Loads must be carried symmetrically to their centre of gravity!
- 6.** Loads are to be set down and lifted so that any unintentional tipping over, falling apart or slipping of the load is avoided!
- 7.** The Table Trolley must be parked in a stable position to avoid tipping over or rolling away!
- 8.** The Table Trolley must be protected and stored away from the effects of the weather and aggressive materials as safety levels may be affected!
- 9.** Any persons using the Table Trolley must check the equipment for obvious defects during utilization e.g. deformations, cracks, breakage and incomplete markings!
- 10.** The contractor must ensure that if a Table Trolley shows signs of damage which could affect the safety of site personnel, it must be taken out of service!
- 11.** The braking mechanism of the winch must not be greased or oiled!
- 12.** Replacing worn brake rings on the crank handle, or the repair of defective crank handles is only permitted at the PERI plant!
- 13.** The contractor is to ensure that maintenance work on the Table Trolley is only carried out by persons who have the necessary knowledge and skills!



- 14.** The contractor must ensure that the Table Trolley is only used when it has been checked by a technical expert and any faults found have been repaired!
- 15.** The contractor must ensure that the Table Trolley is subject to an extra inspection by a technical expert after cases of damage or unusual occurrences which could affect the load-bearing capacity, as well as after any repair work that has been carried out!
- 16.** The contractor must ensure that the Table Trolley is only used if complete with a valid inspection sticker!

## A3 Intended use

These Instructions for Use contain important information for the handling and correct utilization of the Table Trolley.

The Table Trolley serves to move UNIPORTAL table formwork, PERI table modules and TK-table formwork. It is a steel construction consisting of hollow square tubes together with 2 winches for raising and lowering the loads, and guide rollers for transporting. The winches each have a carrying capacity of 1,000 kg. The working heights are freely adjustable from 1.45 m to 3.2 m. With the extension 100 and the raising piece 60 the working height can be increased by up to 1.60 m.

The Table Trolley can be fitted with centre cross-bracing 200 or 170, and used depending on the size of the slab tables.

The carriage size of the Table Trolley can be altered to allow it to be moved through narrower areas.

No loads may be placed on the Table Trolley during this manoeuvre.

Basically, only materials in perfect condition may be used. A damaged Table Trolley must be replaced!

**Only PERI original components may be used as spare parts!**

All valid laws and safety regulations must be observed when using our products. This product is intended for commercial use only.

### **Additional regulations:**

In particular, these currently include the following:

- German Health and Safety at Work Regulations (BetrSichV)
- Technical Guidelines for Health and Safety at Work (TRBS)

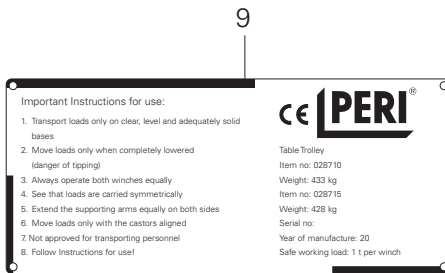


Fig. 1

### 1. Type Plate 9 Fig.1



Table Trolley is not to be used if the type plate is missing or illegible! Attach new type plate! The inspection as well as the mounting of a new type plate is to be carried out exclusively by PERI.

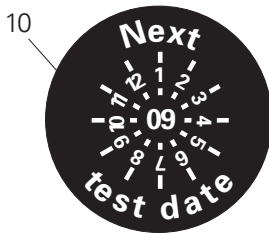


Fig. 2

### 2. Inspection Sticker 10 Fig.2



**Table Trolley is not to be used if the inspection sticker is missing or illegible!**

Arrange for an inspection to be carried out by a technical expert and the mounting of a new sticker!

### 3. Load-bearing capacity: 1 t per winch

## 4. Storage and transport



**Not approved for the transport of persons!**

Store and transport the Table Trolley with carriage folded up **1.1** on the storage space or on site. Secure with bolts. Fig. 3

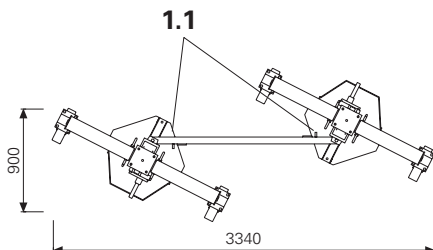


Fig. 3



Visual check of the bolts!

Both lifting standards **2** are lowered. Lock the guide rollers **5** with the brakes. Fig. 4

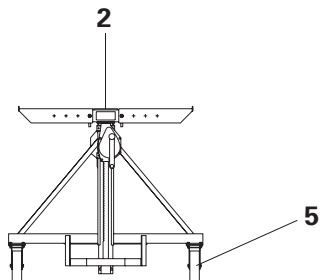


Fig. 4

For transporting with the crane, attach the 2-sling lifting gear to the crane eyes **6**. Fig 5

Check the functionality of the Table Trolley after a long period of non-use.

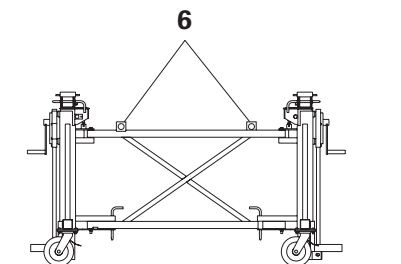


Fig. 5

### 5. Assembly

On the construction site, transport the Table Trolley with the crane to its place of work.

Adjust the carriage **1.2** to the working position.  
Fix with bolts. Fig. 6



Visual check of the bolts!

Adjust the arms **3** to the width of the table where required.

The extension **3.1** can be drawn out for each arm to 1.0 m. Secure with pins and cotter pins.



The extension must be the same on both sides.

For working heights of over 3.2 m the extension 100 **7** and/or the raising piece 60 **8** is to be attached to the lifting standard **2**.

Bolt on the parts with 4 hex. bolts M16x45, SW24.



**Check that the nuts are tightly fixed!**

The extension of the arms **3.1** can also be made on the extension 100 **7** with pins and cotter pins. Fig. 7.

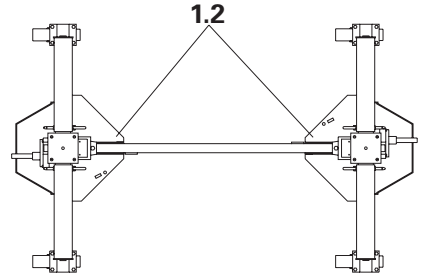


Fig. 6

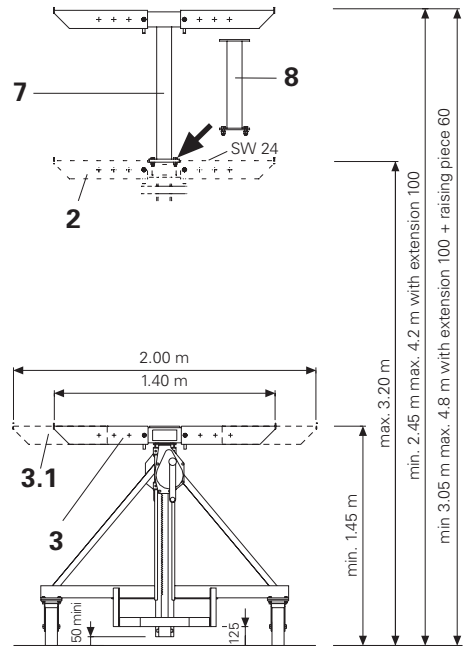


Fig. 7

## 6. Winches



- **the rack and pinion winch 4 is only to be used in perfect technical condition! Fig. 8**
- **only trained personnel may use the rack and pinion winch. Any damage found is to be reported immediately!**
- **the loading capacity of the winches must not be exceeded!**
- **operate both winches at the same time and uniformly!**
- **the winches are to be checked at least once a year by an authorized technical expert!**
- **replacing worn out braking rings as well as repairs of defective cranking handles is only permissible at the PERI plant!**



Brake rings are considered worn when there is a gap of more than 10 mm between the adjusting ring and cranking eye, and must then be replaced. Fig. 9

- the gears are to be lubricated once a year by greasing the lubricating nipple
- apply a few drops of oil into the crank handle nub if cranking becomes difficult

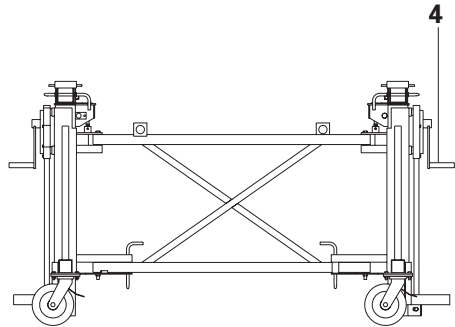


Fig. 8

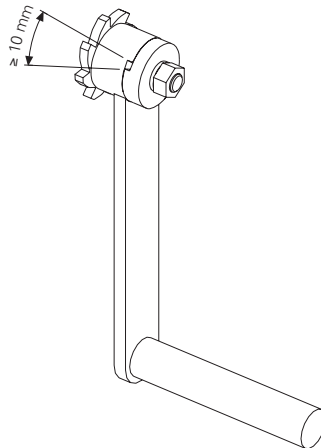


Fig. 9

### 7. Moving table forms Example: UNIportal



- Transportation of loads must only be carried out on level and sufficiently stable surfaces!
  - Do not transport on inclined surfaces!
  - Remove obstacles before moving the tables!
  - Danger of tipping! Completely lower the slab table when moving – fold up props where necessary!
- Fig. 12**



- The carriage must be in the working position.
  - Do not turn the carriage when loaded.
  - Tightly fix the table form to the transverse girders.
- Move the Table Trolley under the slab table.  
Fig. 10

Adjust the working height uniformly with both winches **4**.

Position the arms **3** under the main beams to support the load of the slab table. Ensure that loads are lifted symmetrically. Fig. 11

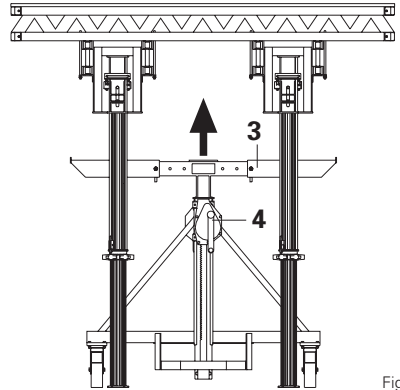


Fig. 10

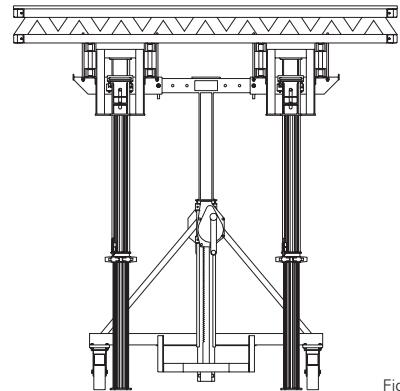


Fig. 11

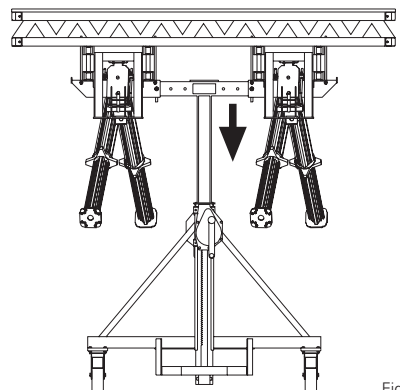


Fig. 12

# A5 Product overview

	Weight kg	Item no.	
<p><b>Table Trolley 2 t, l = 200</b>  <b>Table Trolley 2 t, l = 170</b>            For moving PERI tableforms.            Not approved for transporting personnel. Only move on clean, level and sufficiently strong surface. Comply with relevant safety regulations.            Minimum Height: 1,45m,            Maximum Height: 3,20m            with extension 100: 4,20m            with extension 60 and extension 100: 4,80m            Observe operating instructions!</p>	433,00 428,50	028710 028715	
<p>Accessories:  <b>Centre Cross Bracing 200</b>  <b>Centre Cross Bracing 170</b></p>	26,30 21,80	102251 101854	
<p><b>Raising piece 60</b>            2 per Table Trolley            Complete with:            Bolts M16x45 DIN 933-8.8 galv. with Nut M16 DIN 934, galv. And Spring washer A16 DIN 128, galv (4x)            With the raising piece 60 and extension 100 the height of the trolley can be increased to: minimum height: 3.05 m, maximum height 4.80 m</p>	15,20	104050	
<p><b>Extension 100 for Table Trolley</b>            2 per Table Trolley.            Use telescopic arms of the Table Striking and Transport Trolley.            Complete with:            Bolts M16x45 DIN 933-8.8 galv. with Nut M16 DIN 934, galv. And Spring washer A16 DIN 128, galv (4x)</p>	35,20	028720	



## **EC Declaration of Conformity** as defined in EC Directive 98/37/EEC Appendix II 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 EC Directive.

Any modifications to the product which have not been agreed with us will invalidate this declaration.

**Table Trolley 2 t, I = 200**  
**Item no. 028710**  
**Table Trolley 2 t, I = 170**  
**Item no. 028715**

**Relevant EC Directives:**

EEC Machine Guidelines 98/37/EEC

**National standards and technical specifications applied:**

DIN 1055, DIN 4421, DIN 4422, DIN 18800, BGV D8

Weissenhorn, January 28, 2002

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Manfred Rathfelder Dipl-Ing  
Research and Development Manager

## General

### 1. Area of application

These testing instructions apply to regularly recurring checks and inspections carried out after unusual occurrences on the following load-carrying equipment manufactured and sold by PERI GmbH:

Description:

#### Table Trolley

L = 200 Item no.: 028710 433.00 kg

L = 170 Item no.: 028715 428.50 kg

Loading capacity: **1 tonne per winch**

### 2. Purpose

Regular checking of the load-carrying equipment will ensure that the operating and functional safety is guaranteed and possible risk of accidents – with correct handling – is minimised. Checks must be carried out at regular intervals. In Germany, this means at least every 12 months! Shorter intervals may also be required depending on operational conditions.

### 3. Responsibilities

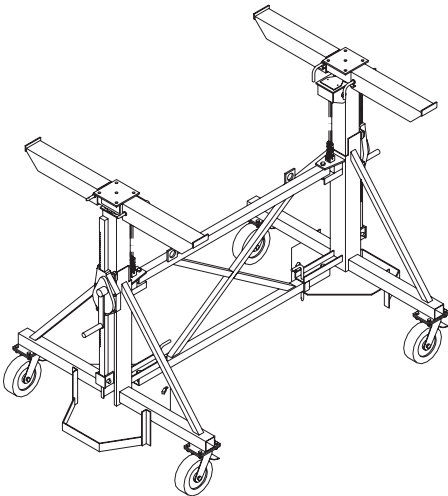
The contractor (or his authorized safety officer) is responsible for arranging regular safety checks for the load-carrying equipment. Safety checks on this load-carrying equipment may only be carried out by trained personnel.

For ultrasonic and crack tests, guidelines and implementation instructions of the relevant national and international regulations of the appropriate organizations apply in this case. In Germany, this is the DGZFP (German Society for Non-Destructive Testing).

### 4. Procedures

#### 4.1 Arranging the safety checks

The contractor arranges the checks to be carried out at the manufacturer of the load-carrying equipment or a suitable service company. Checks can also be conducted by the contractor only if a recognized technical expert is available as the test person.



### General

#### 4.2 Implementing the test

The test includes a visual and a functional check. Carrying out other tests is at the discretion of the technical expert and may include the following (or other) checks:

##### Visual check:

- deformation and evidence of wear on all components
- mechanical damage (e.g. defective guide rollers, defective winches, bent crank handle)
- presence of all components (e.g. toggle on screw-on coupling)
- corrosion damage
- cracks in welded joints and components

##### Functional check:

wind the arms of the Table Trolley into the upper and the lower positions without load

##### Measures:

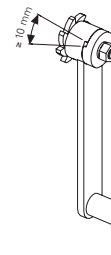
If any faults are found during the safety checks, these must be repaired in accordance with the instructions provided by the technical expert. A further check is to be carried out following any repairs.

#### Maintenance and inspection work on the winches:

Daily/before every use:

- visual check on the lock, the rack and pinion gear and the crank handle
- function of the winches
- brake function

Quarterly:



- check the safety of the crank handle. If necessary change the brake linings or have the whole safety crank handle replaced
- if there is a gap of more than 10 mm between the adjusting ring and cranking eye, the brake linings are worn or brakes are defective
- lubricate the thread between the adjusting ring and cranking eye

**Warning:**  
**no lubricant is to be applied to brake linings and their stop faces**

Annually:

- all gear components and crank handle are to be checked for signs of wear and any defective parts are to be replaced
- checks are to be carried out by a technical expert

Every 2 years:

- change lubricant. Open gears and remove old lubricant. Fill with new lubricant. Reinstall gears.

#### Warning:

**The life of the winches is limited, worn parts must be renewed in good time.**

## General

### Faults in the winches and their causes:

<b>Fault</b>	<b>Cause</b>	<b>Repair</b>
Winch can only be wound with difficulty when not loaded	Lubrication in the bearings and rack and pinion is missing. Winch was improperly installed	Carry out maintenance work. Check fixings. Install properly.
Load is not held	Brakes worn out or defective.	Renew safety crank handle.
Brake does not open, load can only be lowered with a great deal of force.	Brake linings or brake mechanism too tight.	Loosen the brake with a light blow to the hand on the crank arm in the lowering direction.



**PERI GmbH**  
**Formwork Scaffolding**  
**Engineering**

P.O. Box 1264

89259 Weissenhorn

Germany

Tel +49 (0)73 09.9 50-0

Fax +49 (0)73 09.9 51-0

[info@peri.de](mailto:info@peri.de)

[www.peri.de](http://www.peri.de)