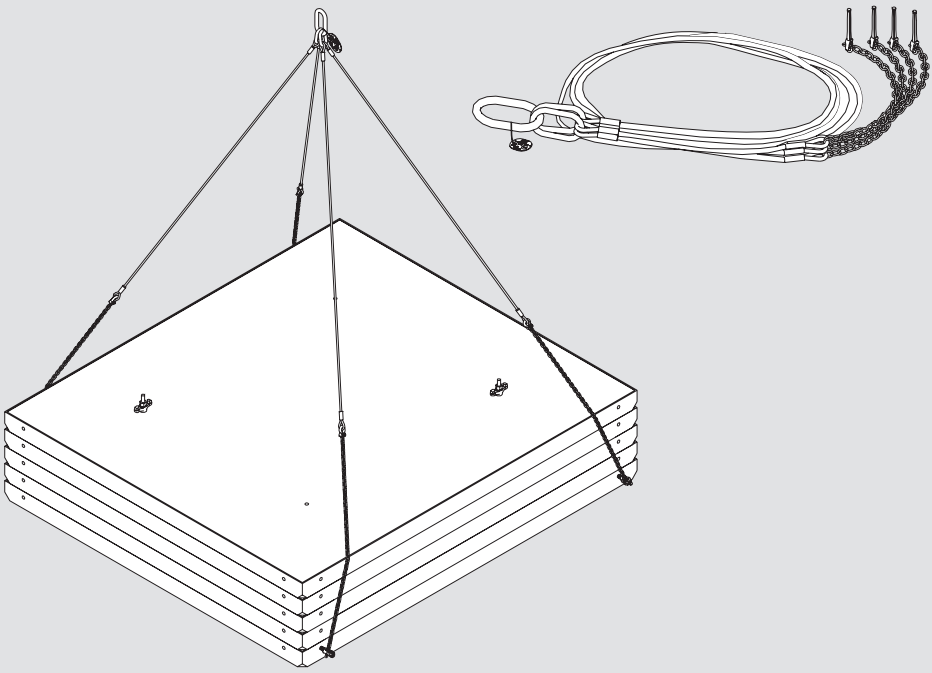
Lifting Gear-3 TRIO

Item no. 044770

Instructions for Use



Edition 10/2008

Contents

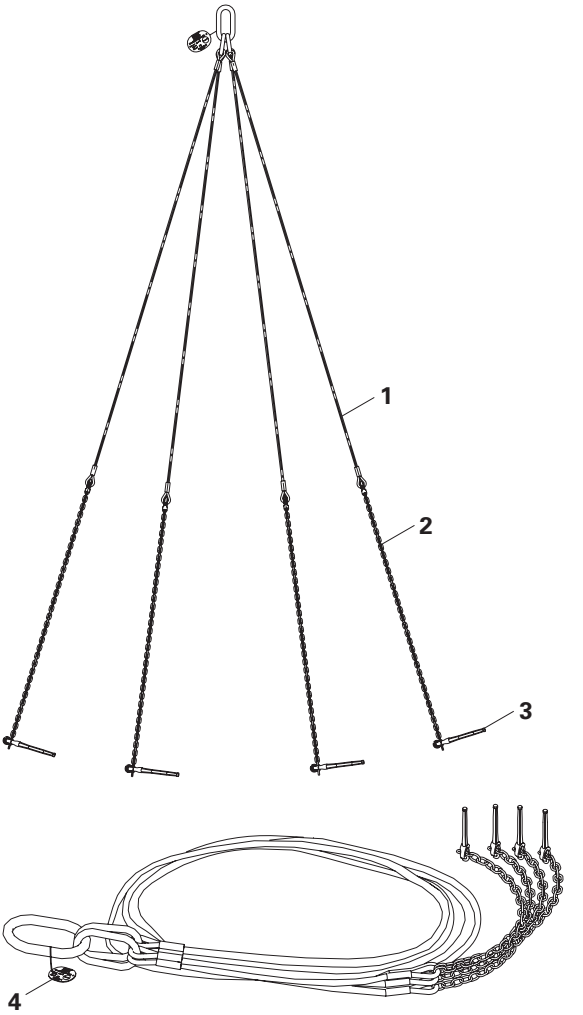
Legend

 Important safety Instructions

 Visual Check

 Hints

Overview



(1) Wire rope
(2) Chain
(3) Locking pin
(4) Type sticker

Notes

Responsibilities of the employer

1. The employer can only assign those persons to independently use load-carrying equipment and lifting gear who are actually familiar with the task.

2. The employer has to ensure that the Instruction for Use provided by PERI is available, has been brought to the attention of the above-mentioned persons and is at their disposal.

3. Generally only use load-carrying equipment and lifting gear which is complete and in perfect condition. Only PERI original components may be used as spare parts.

4. The employer has to ensure that the load-carrying equipment resp. lifting gear is subjected to an extraordinary inspection carried out by an expert after cases of damage or a particular incident which affect the load-carrying capacity, as well as after repairs.

5. The employer has to ensure that repair work on the load-carrying equipment resp. lifting gear is carried out only by those persons who possess the necessary knowledge and skills.

6. The employer has to ensure that the load-carrying equipment resp. lifting gear is inspected by an expert with a maximum of one-year intervals, and is labelled by means of a valid inspection plate.

Safety instructions

1. The load-carrying equipment is to be checked for damage before every use! Load-carrying equipment with defects or loads having faulty attachment points which could influence safety during operations must not be used!

2. All persons using the load-carrying equipment must monitor this before and during use for obvious defects e.g. deformations, cracks, fractures, incomplete labelling!

3. The load-carrying equipment is to be used in such a way so that persons in the area being used to transport the load are not put at risk. It is forbidden for any person to remain under a load that is being lifted!

Notes

4. The person who attaches the load to the load-carrying equipment must be sufficiently secured against falling. The load is to be secured against tipping over and sliding!

5. The load-carrying equipment may only be used during suitable weather conditions!

6. Do not load the load-carrying equipment with more than the maximum bearing capacity!

7. Always lift up or set down loads smoothly without any jerking!

8. Persons are not to be transported!

9. Do not transport loads which rest on loose parts!

10. Ensure that the steel wire rope and chains do not have any knots! Do not wrap the lifting chains of the load-carrying equipment around the load to be transported or stretch over sharp edges! Untwist chains which have become twisted!

11. Ensure that the load is in a safe and secure position before releasing the load-carrying equipment.

12. During transport and storage, the load-carrying equipment must be positioned and secured so that it cannot fall off or slide! Do not place any loads on the load-carrying equipment!

13. During storage, the load-carrying equipment must be protected against the effects of the weather and aggressive materials! Cleaning should be carried out using a suitable and environmentally-friendly method!

14. Ensure that the attachment points are correctly attached to the load!

Intended use

These Instructions for Use contain information for the handling and correct application of the Lifting Gear-3 TRIO.

The Lifting Gear-3 TRIO is a load-carrying equipment in terms of the German BGR 500.

It is used for moving stacks of elements from the PERI MAXIMO, TRIO, SE and Stera Plus systems close to the ground.

Special permission must be given by PERI if it is used for other applications than it has been designed for.

The Lifting Gear-3 TRIO can be used in ambient temperatures ranging from -20°C to +60°C.

All laws and safety regulations of each country where our product is used are to be observed at all times.

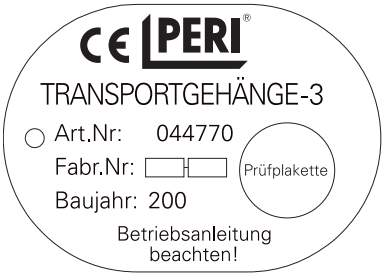
The product has been designed for commercial use only.

Classification

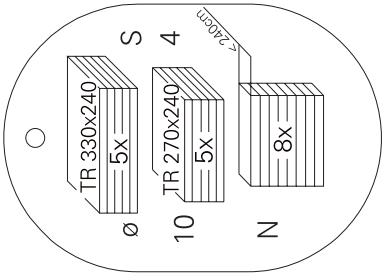
Type Tag

Do not use the Lifting Gear-3 TRIO if the type tag is missing or is illegible. Arrange an inspection to be carried out by an expert and then attach new type tag.

Front side:



Rear side:



Load-bearing capacity

Only elements of the same size are to be transported in stacks!

Permissible load-bearing capacity with stack heights of:

MAXIMO / TRIO:
5 elements 330 x 240 or
5 elements 270 x 240 or
8 elements of the other sizes

SE:
8 elements of all sizes

STERA PLUS:
8 elements of all sizes

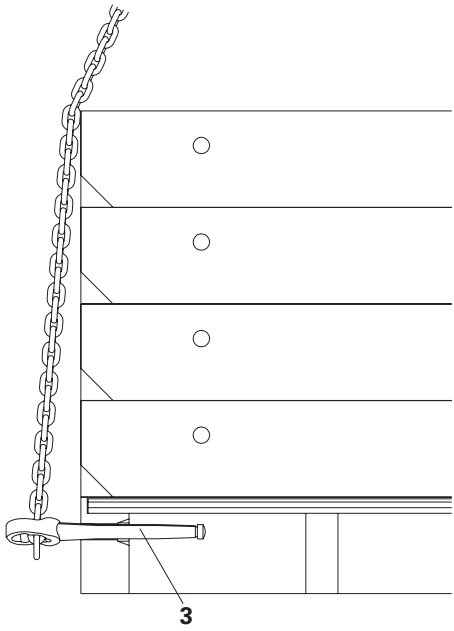
Application

Moving with locking pins

Moving formwork elements of other formwork systems is not allowed! Always use four locking pins!

The locking pins (3) of the Lifting Gear-3 TRIO allow the transportation of horizontally-positioned single elements as well as stacks of elements whilst complying with the specified stacking height.

The following PERI systems are moved using the locking pins (3):
PERI MAXIMO
PERI TRIO
PERI SE
PERI Stera Plus

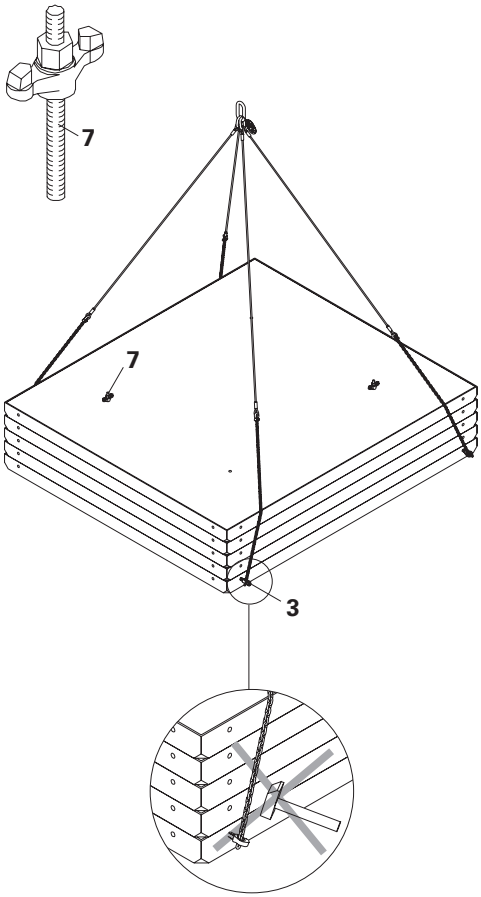


Application

Utilising the locking pins:
1. Clean tie rod holes.
2. Stack panels horizontally.
3. Insert two tie rods (7) diagonally through the tie holes. Insert tie rods through all elements.
4. Secure at the top with wingnuts.
5. Insert four Locking Pins (3) as far as they will go into the lifting holes of the bottom panel.
6. Transport the panel

The panels are prevented from moving through the tie rods. Due to its design, the Locking Pin is self-securing.

Alternative: secure the panel stack by means of a steel band against moving.



Transport of load

Persons are not allowed to be transported!
Never remain under lifted loads!
Always transport in a horizontal position!

Check all four Locking Pins whether they are correctly in position.

Components

Item no.	Weight kg		
044770	15,600	**Lifting Gear-3 TRIO** For transportation of MAXIMO and TRIO panel stacks.	**Safety instructions** Follow Instruction for Use. Load-carrying equipment according to BGR 500.

EC Declaration of Conformity

This document is a englisch language
replica of the german original.

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 to by us will invalidate this declaration.

Lifting Gear-3 TRIO
Item no. 044770

Relevant EC Directives:
EEC Machine Guidelines 98/37/EEC

Applied harmonised standards:
EN 13155, EN 818, EN 1677

Applied national standards and technical specifications:
DIN 1055, DIN 4421, DIN 18800, BGR 500

Weissenhorn, 08.07.2008

i. V. M. Rathfelder

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Test instructions

1. Area of application
These test instructions are valid for regularly recurring inspections, or inspections carried out after any unusual occurance, on PERI GmbH manufactured and marketed load-carrying equipment.

Lifting Gear-3 TRIO
Item no. 044770

2. Purpose
Due to regularly recurring inspections of the load-carrying equipment, it can be ensured that operational and functional reliability is guaranteed and any possible risk of accidents is eliminated.
Inspections must take place at regular intervals.
In Germany, at least every 12 months!

3. Responsibilities
The employer or his appointed safety officer is responsible for arranging regularly recurring safety inspections of the load-carrying equipment. The safety inspections on the load-carrying equipment may only be carried out by trained personnel (experts).
For ultrasonic and crack detection tests, the guidelines and implementation requirements of the appropriate national and international regulations of the corresponding organizations apply.
For Germany, this is the DGZFP (German Society for Non-Destructive Testing).

4. Procedures
4.1 Arranging the inspection
The employer arranges the inspection with the manufacturer of the load-carrying equipment or a suitable service provider, or can carry out the inspection himself if an expert is present in his official capacity as an inspector.

4.2 Implementing the inspection
The inspection includes a visual and functional check. The load-carrying equipment should be cleaned before the visual and functional check takes place. Implementation of anything beyond the usual scope of testing is subject to the discretion of the inspector, and can extend to the following checks.

Test instructions

Visual inspection:
- deformation and wear of all components
- mechanical damage
- availability of all components
- damage due to corrosion
- cracks on welding seams and individual components
- chains and rings
- ropes

Special test:
This is carried out if there is any doubt regarding the reliability of deformations and/or wear during the visual inspection.

Measures:
If any defects have been determined as a result of the safety inspection, these must be eliminated according to specifications provided by the expert. Subsequently, a new inspection is to be carried out.

Within the framework of repair work carried out on the load-carrying equipment, welding may only be undertaken by companies which have an appropriate welding suitability certificate according to national and international regulations or standards.
In Germany: "Großer Eignungsnachweis" according to DIN 18800, Part 7, Pargraph 6.2. This is required according to DIN 15429.

PERI Product Range

Wall Formwork
Panel Formwork
Girder Formwork
Circular Formwork
Facade Formwork
Brace Frame

Column Formwork
Square
Rectangular
Circular

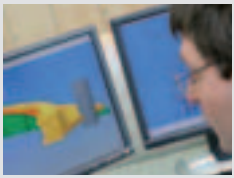
Slab Formwork
Panel Formwork
Beam Grid Formwork
Girder Formwork
Slab Table
Beam Formwork

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

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

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

Bridge and Tunnel Formwork
Cantilevered Parapet Carriage
Cantilevered Parapet Platform
Engineer's Construction Kit



Services
Formwork Assembly
Cleaning / Repairs
Formwork Planning
Software
Statics
Special Constructions

Additional Systems
Plywood
Formwork Girders
Stopend Systems
Pallets
Transportation Containers

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