Instructions for Assembly and Use – Standard Configuration – Issue 10/2020 (for use in South Africa / Sub-Sahara Africa ONLY)



### **Overview**

### Main components

- 1 Sole Boards
- 2 Base Jack 610 R/O
- 3 Standard
- 4 Ledger
- 5 Connector
- 6 Crosshead Spindle (Head Jack)
- 7 Swivel Coupler 50x50
- 8 Scaffold Tube (Brace)



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# Overview

### Key

PictorImage: Safety instructionsImage: Safety instructionsImage: Safety instructionsImage: Safety shoesImage: Safety glovesImage: Safety glovesI

#### Arrows in the illustrations

- → Arrow representing an action

Arrow representing a reaction to an action \*

\* if not identical to the action arrow.

#### Safety instruction catagories

The safety instructions alert site personnel to the risks involved and provide information on how to avoid these. Safety instructions are featured at the beginning of the section or ahead of the instructions, and are highlighted as follows:

### A DANGER

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

# 

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

### 

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.

# Setup of the safety instructions

SIGNAL WORD Type and source of the danger! Consequences of non-compliance. ⇒ Avoidance measures.

#### 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**.

### Units shown in the illustrations

Dimensions featured in the illustrations are in cm but without units. Deviating units are additionally given, e.g. in mm.

Load details featured in the illustrations are in kg, but without units. Deviating units are additionally given, e.g. in t.

#### General

#### Contractors

These Instructions for Assembly and Use are designed for contractors who use the scaffolding for

- assembling, modifying and dismantling, or use
- it e.g. for concreting or
- who have it used, e.g. for shoring of horizontal and inclined soffit formwork.

#### **Competent person**

(Construction Site Coordinator) The Safety and Health Protection 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 person qualified to carry out inspections

Due to the specialist knowledge gained from professional training, work experience and recent professional activity, the competent person qualified to carry out inspections has a reliable understanding of safety-related issues and can correctly carry out inspections. In accordance with the Occupational Health and Safety Act / Construction Regulations this person must be apointed by the contractor in writting, this person can not be an employee of PERI, but a person who oversees the erction of the equipment or someone reporting to this person and being deemed a "competent person".

#### **Qualified persons**

The scaffolding may only be assembled, 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\*\* covering at least the following points:

- Explanation of the plan for the assembly, or dismantling of the scaffolding in an understandable form and language.
- Valid in Germany: Regulations for Occupational Health and Safety on Construction Sites 30 (RAB 30).
- Valid in South Africa: Occupational Health and Safety Act, 1993 - Construction Regulations 2014.

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

### $\rightarrow$

- 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.
- A competent person must be present on site during erection, pouring of concrete and dismantling operations.
- \*\* Instructions are given by the contractor or a competent person appointed by the contractor.

### **Presentational reference**

The illustration on the front cover of these instructions is understood to be a system representation only. The assembly steps presented in these Instructions for Assembly and Use are shown in the form of examples with only one component size. They are valid accordingly for all component sizes contained in the standard configuration.

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

### Intended use

#### **Product description**

The QUICKSTAGE Modular Shoring system is used on projects in the industrial and commercial sectors by qualified / competent personnel only.

The QUICKSTAGE Modular Shoring system allows for a large range of project specific application possibilities. As a result a result of the building specific risk assessment, (RSA - Occupational Health and Safety Act and Construction Regulations), there are a number of ways to ensure reliable assembly and working safety when using components from the QUICKSTAGE Modular Shoring system which may also include components from the QUICKSTAGE Scaffolding Kit.

#### Features

The QUICKSTAGE Modular Shoring system is used for:

- falsework (supporting formwork) i.e. a structure on which soffit formwork is placed.
- propping of structures where grids are erected to provide additional support / assist with columns, ect.
- pre-propping / re-propping, where temporary supports are required to support concrete structures until such time as the concrete structure has gained sufficient strength to support it's designed weight.

Components not supplied by PERI must conform with construction standards and guidlines. If nothing is specified the following to apply:

- Timber: In accordance with SANS 1396
- Scaffold tube: min. dimentional size Ø48,3 x 3,2 mm in accordance with SANS 657-1
- Scaffold tube couplings: to be in accordance with EN 74.

Any deviations to the standard configuration may only be approved after a seperate risk assessment has been compiled and completed by the contractor (user). On this basis appropriate measures for the working safety and stability are to be implemented.

Corresponding proof of stability can be provided by PERI on request if the risk assessment and resulting measures to be implemented are made available.

To erect the QUICKSTAGE Modular Shoring system, standards are connected with ledgers, which are easily assembled due to the simple "C" and "V" pressing arrangement. Bracing is achieved with the use of Ø48,4 scaffold tube and couplers.

#### **Technical data**

All loads shown in this document are achieved with newly manufactured equipment, and conforms to those loads indicated in the relevent codes and regulations.

All standards constructed from Ø 48,4  $\times$  3,2 mm tube.

Ledgers in legnths 0,6 m to 1,0 m constructed from  $Ø48,4 \times 2,0$  mm tube.

Ledgers in legnths 1,2m to 2,5m constructed from  $Ø48,4 \times 2,6$  mm tube.

All jack stems constructed from  $\emptyset$ 38,1 x 4,0 mm tube with rolled threads.

Couplers with screw closure have to be tightened with 70 Nm. This corresponds to a force of 20 kg using a lever arm length of 25 cm.

Wedge couplers are to be securely fitted using a 500 g hammer.

Equipment layouts in this document are examples only and should not be replicated on site.

All components must be inspected by a qualified person nominated by the scaffolding contractor.

### Instructions for Use

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

Deviations from the standard configuration must be verified for the application by means of separate strength and stability calculations (Industrial Safety Regulation Appendix 1, No. 3.2.1) and explicitly reflected in the assembly instructions. Only PERI original components may be used. The use of other products and spare parts is not allowed.

### **Safety instructions**

#### General

Deviations from the standard configuration and/or intended use present a potential safety risk.

All country-specific laws, standards and other safety regulations are to be taken into account whenever our products are used.

Suitable precautions and measures are to be taken in order to ensure working safety and stability during unfavourable weather conditions.

The contractor (user) must ensure the system's stability during all stages of construction.

The contractor (user) must ensure and verify that all loads are safely transferred.

The contractor (user) has to provide safe and secure working areas which can be safely accessed.

Areas of risk must be cordoned off and clearly marked.

For the sake of clarity, detailed drawings in this manual are not always complete.

#### Moving, Transportation and Storage

Ensure that all loose parts are secured or removed before moving erected units.

Use only suitable load-carrying equipment to move the components.

When lifting, use the designated loadbearing points.

Always use a guide rope when moving components by crane in an open area.

Move components on flat, load-bearing surfaces only.

When components are lifted or placed, avoid it tilting, falling apart, sliding or rolling away.

When lowering units, only detach lifting gear when the unit is in a stable position and no unintentional change is possible.

Do not drop components.

Secure components so that when storing or transporting no unintentional change in it's position is possible.

#### System-specific

Use only designated lifting gear.

In the case of a storm warning, additional measures are to be taken to suppliment the recommended standard safety measures.

#### **Cleaning and maintenance instructions**

Clean components after each use to maintain the value and usability of the PERI products over the long term.

Some repair work may also be inevitable due to the tough working conditions. The following points should help to keep cleaning and maintenance costs as low as possible.

Do not clean powder-coated or galvanized components with steel brushes or metal scrapers.

Mechanical components, e.g. spindles, must be cleaned of dirt or concrete residue before and after use, and then greased with a suitable lubricant.

Provide suitable support for the components during cleaning so that no unintentional change in their position is possible.

Do not clean components suspended on a crane.

Any repairs to PERI products are to be carried out by PERI qualified personnel only.

### **Pre-assembly**

#### **Ground conditions**

"Ideal" refers to a well compacted, even surface without water saturation.

#### Sole boards

- a sole board must support at least tow uprights.
- sole boards to project a min. of 500 mm past the centre of the upright.
- always make use of sole boards where possible as per SANS 10085.
- Sole board timbers as per SANS 10085.

#### Placement of sole boards

- place base jacks and uprights centrally on the sole boards as per SANS 10085.
- It is "good practice" to secure the base jack by nailing the base jack to the timber sole boards to prevent any movement.

#### General

- NEVER use an upright (standard) as a prop replacement.
- avoid excessive "run-outs" on base jacks or head jacks, by heading allowable thread extensions.
- NEVER erect the QUICKSTAGE Modular Shoring system without approved design drawings.
- always adhere to "good site practise".





#### Key:

- free standing uprights (standards) will fracture at connector points when overloaded.
- long, free standing uprights (standards) are weak and will shear when overloaded.
- max. vertical deviation is 1,5° or 50 mm over the total height of the upright (standard)
- 4. bearers must be placed not more than 25 mm from the centre of any head jack.

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# **Pre-assembly**

#### Erected

- when the QUICKSTAGE Modular Shoring system is erected, ensure that there are no gaps between the uprights (standards) and base / head jacks (1) or connectors (2).
- when lifting QUICKSTAGE Modular Shoring in pre-assembled in towers or units, the uprights (standards) must be pinned or bolted using the holes provided on the base plates / connectors, and base and head jacks are securely fixed in such away that it does not slide out from the upright (standard).



- Never prop against the upright (standard) "V" pressing.
- Where a base jack or head jack thread "run-out" exceeds 300mm, the jacks must be laced in both directions as per SANS 10085.
- There should be no gaps between the base jack / head jack collar and the upright (standard) (1).
- There should be no gaps between the uprights (standards) and the internal spigot connector (2).

#### **Standard configuration**

#### A1.1 Setting out

1	Sole Boards	2x
2	Base Jacks	4x

#### Assembly

- 1. Locate the setting out point (SOP)as indicated on the approved design drawing.
- 2. Place the sole boards parrallel on a prepared, flat surface (sole boards are not always required if a concrete founding is in place).
- 3. Place four pre-adjusted base jacks on the sole boards, ensure that the placement is done centrally on the sole boards.

#### A1.2 Base

1	Standard 2000	Зx
2	Ledger 2500	1x
3	Ledger 1219	1x

#### Assembly

- 1. Place a standard onto two base jacks, ensure that these do not overturn / fall.
- Join the two standards by connecting a ledger to the bottom "V" pressings of the two standards, make note of the orientation of the "V" pressings.
- 3. Place a standard onto a third base jack.
- 4. join the standard to the already joined two standards by connecting a ledger on the bottom "V" pressing.

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- Ensure that the "V" pressings on the standards are all aligned in the same direction, noting the offset of the "V" pressings.
- Ensure the short end of the standard is located at the bottom.
- Do not at this stage secure the wedges.

 DO NOT leave partially erected QUICKSTAGE shoring unattended, as it may over-turn / fall onto site personnel or equipment and cause injury or damage.







#### A1.3 Completing Base Bay

1	Standard 2000	1x
2	Ledger 2500	Зx
3	Ledger 1219	Зx

#### Assembly

- 1. Add a standard to the last remaining base jack.
- 2. Join the standard to the already joined standards by connecting a ledger to the bottom most "V" pressings in both directions.
- 3. Complete the bay by adding a full set of ledgers 1,5m above the ledgers already placed.
- 4. Check that the bay is square, and that the ledgers are level.



#### A1.4 Vertical Addition

1	Connector	4x
2	Standard 2000	4x
3	Ledger 2500	4x
4	Ledger 1219	4x

#### Assembly

- 1. Place the connectors into all four of the standards, ensure that the holes in the connectors align with the holes in the standards, if lifting is intended.
- Place two standards onto two of the connectors, make note of the "V" pressing orientation, this must be the same direction as the previous standards below.
- Connect the standards by placing a ledger in the lowest "V" pressing of the standards.
- 4. Repeat the process as indicated in **A1.3** to complete the bay.



Do not at this stage secure the wedges

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#### A1.5 Complete Shoring

- 1. Complete the grid as per the design drawing, add bays in both directions horizontally before adding the bays vertically.
- Secure all wedges by hammering in the captive wedges on the "C" pressings of the ledgers. Start at the lowest level and secure, then move vertically to the next level and repeat untill completed.
- 3. Add bracing where indicated on the design drawing, refer to the "Bracing" section in these Instructions for Use-for correct installation.



#### A1.6 Installation of Head Jacks

- 1. Pre-adjust the head jacks (e.g. shows crosshead spindles).
- 2. Place the head jacks into the tops of the standards, ensure that the orientation of the head jacks as shown on the design drawing, to accomodate the soffit formwork (in this e.g. the main bearers)

#### A1.7 Installation of Soffit Formwork

- 1. Place the main bearers into the head jacks.
- 2. Place the secondary bearers onto the main bearers and ensure the spacing of the secondary bearers are in accordance with the design drawing.
- 3. Fix all stop-ends and safety equipment such as guardrails etc.

- When single bearers are used for main bearers, ensure that the head jacks are rotated and main bearer wedged into position to ensure axial loading takes place.
- When working at heights ensure correct PPE is used (safety harnesses, hardhats etc.)



### A1.8 Use of the 500mm Standard

- 1. Place the QUICKSTAGE Standard 500 with the "short" end onto the connector so it matches up with the long end of the previously placed standard below. This will ensure that the 500 mm spacing between nodes remain.
- 2. As per the orientation of the "V" pressings of the previous standards, ensure that the "V" pressing of the standard 500 is orientated in the same direction, by doing this the ledger spacing vertically will remain at 500 mm.
- 3. Ledgers must be placed above and below the connector in both directions (90° between ledgers) when using the QUICSTAGE Standard 500.



## A2 Bracing

#### A2.1 General

Bracing is required to transfer horizontal forces down into the ground through the support work that has been erected. 2.5% of the total vertical load supported is the minimum horizontal force that is used for the design for bracing.

- Diagonal braces are limited to 625 kg (6.25 kN) horizontal force due to the limited strength of the couplers, refer to components section for different coupler loadings.
- Diagonal bracing must be continuous from point of application (soffit) down to the point of bearing (ground) and fixed in both directions (90° to each other) regardless if the structure is a single or multiple standard lift.
- 2. Bracing to be connected to uprights (standards) at a max. of 4,5 m centre to centre.
- Bracing must be connected as close to the standard / ledger (node) connection as possible (within 200 mm).
- 4. Bracing must be erected between 30° and 60° or as indicated on the design drawing.
- 5. At all times bracing to be connected to standards and not ledgers. Couplers must be installed on every position where the brace intersects the standard.

- Diagonal braces are limited to 625 kg (6.25 kN) horizontal force due to the limited strength of the couplers, refer to components section for different coupler loadings.
- Bracing couplers to be tightened to 70 Nm.
- Bracing must be checked by a competent person for all configurations, and in accordance with the design drawing.



### **A3** Accessories

#### A3.1 Base pedestal

The Base Pedistal allows the QUICK-STAGE shoring structure to safely extend past the concrete slab edge.

- 1. The allowable maximum extension from the concrete slab edge to the center of the upright (standard) is 150 mm.
- 2. When using the Base Pedestal always ensure that the locating angle is flush against the edge of the concrete slab.
- 3. Always ensure that when the Base Pedestals are used that there are always two uprights (standards) positioned in the openings provided for in the Base Pedestal, (the bay length used for the Base Pedestal is always 900mm).



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### **A3 Accessories**

#### A3.2 Cantilever brackets

Cantilever brackets must be used solely for creating access to the QUICK-STAGE Modular Shoring grids, for applications such as creating space to fix stopends.

- 1. Cantilever brackets must not be placed where it becomes part of the load bearing structure, maximum overhang of 150 mm from the center of the outer most standard is allowed.
- 2. To prevent buckling of the uprights (standards) the lower cantilever arm requires a ledger support in at least the first bay in depth.
- 3. The upper cantilever arm requires ledger supports in all bays.
- 4. Avoid using Cantilever brackets as loading platforms.

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- Never exceed 150 mm projection on cantilever brackets.
- Cantilever brackets are never to be used as loading platforms.



### **A3** Accessories

#### A3.3 Ladder Beams

Always ensure that that the design is done by a competent person when ladder beams are required, and that the design is correctly followed.

- Ladder Beams may be used to bridge or create openings in erected QUICKSTAGE Modular shoring structures.
- 2. Light loading platforms can also be created with the use of ladder beams.



Make use of "check" couplers (**3**) for added safety. "Check" couplers may be any of the mentioned couplers (refer to components section)



Never use Ladder beams as convetional ladders.





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# **A4 Dismantling**

→

Dismantling / Striking of the QUICK-STAGE Modular shoring and soffit formwork may only take place once confirmation in writing by the concrete engineer or apointed competent person is obtained and is safe to proceed.

Dismantling / Striking starts from a safe working area as determined by the concrete engineer or apointed competent person.

#### A4.1 Removal of soffit formwork

#### Suggested sequence

Dismantling / Striking is done in reverse order from erecting the QUICK-STAGE Modular Shoring system.

- Remove all stop-ends
- Remove all handrails, knee rails, toeboards and posts.
- Lower the adjustment collar on the head jacks, enough where the formwork may be removed safely.
- Remove the soffit formwork (in this e.g. the shutter ply, main bearers and secondary bearers).

# A4.2 Removal of head jacks and bracing

- Remove head jacks (e.g. shown crosshead spindles), it may be required to lower the adjustment collar on the base jack if the height impeeeds removal, this is only possible once the bracing has been removed.
- Remove bracing.

# <u>ب</u>

Always remove QUICKSTAGE Modular Shoring from the centre outwards.

- Shoring below beams should be done from the center towards the columns.
- Shoring below the slabs should be done from the center outwards towards the perimeter walls.







OUICKSTAGE Modular Shoring Instructions for Assembly and Use – Standard Configuration (for use in South Africa / Sub-Sahara Africa ONLY)

# **A4 Dismantling**

### A4.3 Dismatling of standards and ledgers

When dismatling the standards and ledgers it should be done in levels i.e. starting from the upper most ledgers and standards and moving towards the connectors.

- Remove ledgers from the upper most level down until the standard connector is reached.
- The standards may now be removed along with the connectors.



#### A4.4 Final dismantling

- Repeat the process as mentioned in A4.3 (for multiple lift structures).
- Remove base jacks and finally the sole boards.



- Ensure that dismantling is done in layers / by levels from the top down and that completed sections are not dismantled as this may cause movement under the remaining structure, which may result in a collapse.
- Always ensure that any standards that are not connected by ledgers when striking is removed or has a person securing the standard from falling over which may result in injury or damage to material.



#### **QUICKSTAGE Modular Shoring**

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# **B1** Logistics

### Packaging

### →

All QUICKSTAGE system components are palletised or packed in a crate pallet to ensure safe transportation of the components.

# Advantage of using pallets and stillages are as follows:

- Simplifies stock control overall.
- Easier counting of equipment not in use.
- Less labour required when moving equipment.
- Crane stacking reduces storage area and improves ease of movement.

Only stack pallets and stillages on a level, compacted surface.

# Never stack pallets and stillages more than three in height.

Small articles such as swivel couplers, spigots etc., can be stacked in crate pallets (Item no. 232193) for safe transportation and prevent loss.

PERI packaging guideline for South Africa is available on request.

#### Maintenance and cleaning tips:

- Ensure that the QUICKSTAGE system components are handled with care and cleaned after use in order to maintain it's operational readiness.
- Use suitable pallets and stacking devices to minimise damage while moving components around site.
- Remove "fresh" concrete from QUICKSTAGE components and avoid letting concrete dry as this may cause damage when cleaning.
- Damaged QUICKSTAGE components may not be rectified by the customer (user).

Item no.	Item Name	Quantity per Pallet
039059	QUICKSTAGE Base Jack 610 R/O	250
039065	QUICKSTAGE J Head Jack 610 R/O	100
039067	QUICKSTAGE U Head Jack 610 R/O	100
039063	QUICKSTAGE Cross Head Spindle	100
039062	QUICKSTAGE Castor 38x200 Jack	100
039066	QUICKSTAGE Swivel Jack	100
039071	QUICKSTAGE Standard 500	200
039072	QUICKSTAGE Standard 1000	80
039073	QUICKSTAGE Standard 1500	80
039074	QUICKSTAGE Standard 2000	80
039075	QUICKSTAGE Standard 2500	80
039076	QUICKSTAGE Standard 3000	80
264058	QUICKSTAGE Ledger 600	240
039096	QUICKSTAGE Ledger 900	240
039091	QUICKSTAGE Ledger 1219	120
039092	QUICKSTAGE Ledger 1295	120
039093	QUICKSTAGE Ledger 1500	120
039094	QUICKSTAGE Ledger 2000	120
039095	QUICKSTAGE Ledger 2500	120



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### **C1 Site Record**

Daily Construction Record

Fill out copies of this page and file with the daily construction records.

Company:			Date:	
Project:			Pour:	
	Slab thickness	= mn	n	
	Clear room height	= mn	n	
	QUICKSTAGE standard length	= mn	n	
	Maximum jack run-out	= mn	n	
	Maximum primary span	= mn	n	
	Maximum secondary span	= mn	n	
	Available leg load (According to design table)	= kN		

≤ Permanent leg load = ..... kN (According to design table)

Check whether the above specifications and/or assumptions apply for this construction site:

To be carried out on site before concreting commences

Slab thickness	= mm	
Selected QUICKSTAGEstandards	= mm	
Maximum unbraced standard length	= mm	
Maximum jack run-out	= mm	
Are all QUICKSTAGE standards (both a	xes) positioned within $\leq 1\%$ of 100% vertical?	yes
Horizontal support for the formwork in	stalled in all directions?	yes
Fittings parts visibly undamaged?		yes
Required bracing attached?		yes

Site Manager Signature

Town

# **D1 Load tables**

#### Base jacks and Head jacks

- The load graph (D1.1) indicates loading for all Ø38mm tube jacks with rolled threads x 610 R/O, (base jacks and head jacks)
- The loads indicated in the load graph must never be exceeded.
- Conversion factor: 100 kg = 1 kN.
- WLL = Work Load Limit.

#### General

- All jack stems to be Ø38 mm.
- Run-out (R/O) on all jacks supplied by PERI for the QUICKSTAGE Modular Shoring system is 610 mm (thread adjustment)
- Threads on tubular jacks are rolled to maintain correct wall thickness and strength of the tube.
- Solid jack stems are available on request and have cut threads.
- All jack stems will have a minimum 100 mm unthreaded section.



#### Standards

- The load graph (D1.2) indicates loading for all standards
- The loads indicated in the load graph applies to QUICKSTAGE standards only.
- Loadings shown in the load graph must never be exceeded.
- Conversion factor: 100 kg = 1 kN.
- WLL = Work Load Limit.



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QUICKSTAGE	Modular Shoring	
039059 4.300	QUICKSTAGE Base Jack 610 R/O	<b>Note</b> With captive QUICKSTAGE collar
039065 4.900	QUICKSTAGE J Head Jack 610 R/O	Note
	for carrying single steel bearers.	
039067 5.300	<b>QUICKSTAGE U Head Jack 610 R/O</b> Used to for carrying double steel or timber bearers.	Note With captive QUICKSTAGE collar
039063 4.980	<b>OUICKSTAGE Cross Head Spindle</b> For carrying single ot double GT 24 or VT 20	<b>Note</b> With captive QUICKSTAGE collar
	Timber Girders.	



Item no.	Weight kg		
039062	24.960	<b>QUICKSTAGE Castor 38x200 Jack</b> For moving scaffold towers.	<b>Ø L</b> 200 <b>Technical Data</b> Permissible load Ø200 - 4 kN.
039066	5.100	QUICKSTAGE Swivel Jack	Note With captive QUICKSTAGE collar
039060	0.760	<b>QUICKSTAGE Base Plate Spigot</b> Without height adjustment.	
039064	1.010	OUICKSTAGE U Head Spigot	

Item no.	Weight kg	
039068	1.080	QUICKSTAGE U Head Spigot
		Without height adjustment.





039140	10.000	<b>QUICKSTAGE Castor 38x200</b> Without height adjustment.	<b>Technical Data</b> Permissible load Ø200 - 4 kN.
039070	0.330	QUICKSTAGE Connector	
000050	0.400		
039058	3.460	QUICKSTAGE 250 Cup Socket	

ltem no.	Weight kg			
		QUICKSTAGE Standard	L	
039071	2.650	QUICKSTAGE Standard 500	500	
039072	5.300	QUICKSTAGE Standard 1000	1000	
039073	7.940	QUICKSTAGE Standard 1500	1500	
039074	10.590	QUICKSTAGE Standard 2000	2000	
039075	13.250	QUICKSTAGE Standard 2500	2500	
039076	14.890	QUICKSTAGE Standard 3000	3000	
			Note	

Without cup for supporting head jacks.



L	Х	Colour	
551	600	Yellow	
851	900	Pink	
1170	1219	Blue	
1246	1295	Orange	
1451	1500	Red	
1951	2000	Black	
2451	2500	Green	
lata			

#### Note

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Ledgers are marked with one end white and the other end with specified colour, unless both colours are given,





			QUICKSTAGE Ledger
26	4058	2.400	QUICKSTAGE Ledger 600
03	9096	3.200	QUICKSTAGE Ledger 900
03	9091	4.170	QUICKSTAGE Ledger 1219
03	9092	4.390	QUICKSTAGE Ledger 1295
03	9093	5.000	QUICKSTAGE Ledger 1500
03	9094	6.400	QUICKSTAGE Ledger 2000
03	9095	7.900	QUICKSTAGE Ledger 2500



#### - -**GE Modular Shoring**

UUIUN	SIAGE	wodular Shoring	
ltem no.	Weight kg		
039079	9.800	QUICKSTAGE Cantilever Bracket 900	<b>Note</b> Only to be used for access.
039167	1.400	<b>Coupler Swivel 50x50</b> For scaffold tubes Ø48 mm	<b>Note</b> Wrench size SW 19. Permissible load - 6.25 kN. Tighten to 70 Nm.
			SW 19
039164	1.406	<b>Coupler 90 DEG 50x50</b> For scaffold tubes Ø 48 mm.	<b>Note</b> Wrench size SW 19. Permissible load - 6.25 kN. Tighten to 70 Nm.
			SW 19
039166	4.980	<b>Coupler Swivel 50 mm Half</b> For scaffold tubes Ø48 mm.	<b>Note</b> Wrench size SW 19. Permissible load - 6.25 kN. Tighten to 70 Nm.
			12 

		inouului ononing	
ltem no. 039165	Weight kg 0.830	<b>Coupler Internal Spigot 50 mm</b> For scaffold tubes Ø48 mm.	<b>Note</b> Scaffold hammer to be used to tighten eye-bolt. Permissible load - 3.12 kN. Tighten to 70 Nm.
			M16 Eye Bolt
039066	5.100	<b>Coupler D/H 50x50</b> For scaffold tube Ø48 mm.	<b>Note</b> Scaffold hammer to be used to tighten eye-bolt. Permissible load - 1.25 kN. Tighten to 70 Nm.
			$ \begin{array}{c}                                     $
039060	1.200	Band Back Plate M20 & Eyebolt For scaffold tubes Ø48 mm.	<b>Complete with</b> 1pc 039162 Band Only 50x50 (1.340 kg) <b>Note</b> Scaffold hammer to be used to tighten eye-bolt. Permissible load - 6.25 kN. Tighten to 70 Nm.
			M20 Eye Bolt
039069	16.500	QUICKSTAGE Base Pedestal	<b>Note</b> Allowable max. extention past edge of slab to certer of upright to be 150 mm.

Item no.	Weight kg	
		Q
000000	01 000	~

039082	31.900
039084	42.700
039087	60.900

QUICKSTAGE Ladder Beam QUICKSTAGE Ladder Beam 3000x300 QUICKSTAGE Ladder Beam 4000x300 QUICKSTAGE Ladder Beam 6000x300







		Scaffold Tube
039149	3.550	Scaffold Tube 501 - 1000
039150	5.325	Scaffold Tube 1001 - 1500
039151	7.100	Scaffold Tube 1501 - 2000
039152	8.875	Scaffold Tube 2001 - 2500
039153	10.650	Scaffold Tube 2501 - 3000
039154	12.425	Scaffold Tube 3001 - 3500
039155	14.200	Scaffold Tube 3501 - 4000
039156	15.975	Scaffold Tube 4001 - 4500
039157	17.750	Scaffold Tube 4501 - 5000
039158	19.525	Scaffold Tube 5001 - 5500
039159	21.960	Scaffold Tube 5501 - 6100

L	Colour	
501 - 1000	Yellow	
1001 - 1500	Red	
1501 - 2000	Black	
2001 - 2500	Green	
2501 - 3000	Pink	
3001 - 3500	Grey	
3501 - 4000	Blue	
4001 - 4500	Orange	
4501 - 5000	Sliver	
5001 - 5500	Purple	
5501 - 6100	White	
Note		

Scaffold tubes are marked with one end white and the other end with specified colour, unless both colours are given.



232094 40.000

Pallet Tubular

For stacking and transporting QUICKSTAGE components.



Maximum stacking three up.





 Item no.
 Weight kg

 232193
 111.500

### Crate Pallet Tubular 1225x805

For stacking and transporting QUICKSTAGE components.

**Note** Maximum stacking three up.

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