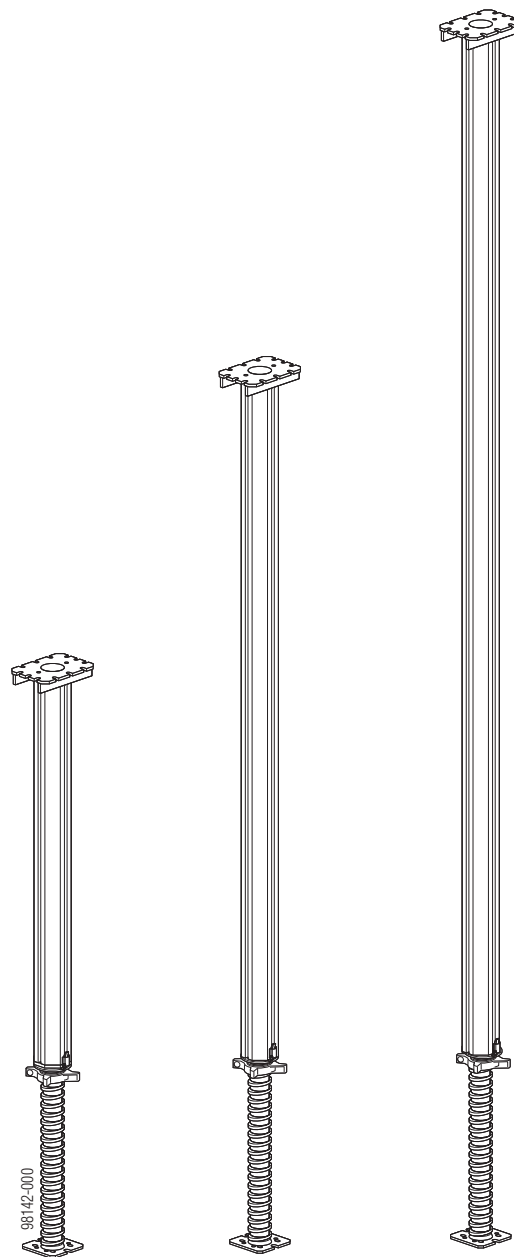


The Formwork Experts.

# Floor prop Eurex 100 plus

## User Information

Instructions for assembly and use (Method statement)



# Contents

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# Introduction

## Elementary safety warnings

### User target groups

- This booklet is aimed at all persons who will be working with the Doka product or system that it describes. It contains information on the standard design for setting up this system, and on correct, compliant utilisation of the system.
- All persons working with the product described herein must be familiar with the contents of this booklet and with all the safety instructions it contains.
- Persons who are incapable of reading and understanding this booklet, or who can do so only with difficulty, must be instructed and trained by the customer.
- The customer is to ensure that the information materials provided by Doka (e.g. User Information booklets, Instructions for Assembly and Use, Operating Instruction manuals, plans etc.) are up to date and available to all users, and that they have been made aware of them and have easy access to them at the usage location.
- In the relevant technical documentation and form-work utilisation plans, Doka shows the workplace safety precautions that are necessary in order to use the Doka products safely in the usage situations shown.  
In all cases, users are obliged to ensure compliance with national laws, standards and regulations throughout the entire project and to take appropriate additional or alternative workplace safety precautions where necessary.

### Hazard assessment

- The customer is responsible for drawing up, documenting, implementing and continually updating a hazard assessment at every job-site.  
This booklet serves as the basis for the site-specific hazard assessment, and for the instructions given to users on how to prepare and utilise the system. It does not substitute for these, however.

### Remarks on this booklet

- This document can be used as general Instructions for Assembly and Use (Method Statement) or be incorporated into site-specific Instructions for Assembly and Use (Method Statement).
- **The graphics, animations and videos in this document or app sometimes depict partially assembled assemblies and may require additional safety equipment and/or measures to comply with safety regulations.**  
The customer must ensure all applicable regulations are complied with, even if they are not shown or implied in the graphics, animations and videos provided.
- **Individual sections contain further safety instructions and/or special warnings as applicable.**

### Planning

- Provide safe workplaces for those using the form-work (e.g. for when it is being erected/dismantled, modified or repositioned etc). It must be possible to get to and from these workplaces via safe access routes!
- **If you are considering any deviation from the details and instructions given in this booklet, or any application which goes beyond those described in the booklet, then revised static calculations must be produced for checking, as well as supplementary assembly instructions.**

### Regulations; industrial safety

- All laws, Standards, industrial safety regulations and other safety rules applying to the utilisation of our products in the country and/or region in which you are operating must be observed at all times.
- If a person or object falls against, or into, the side-guard component and/or any of its accessories, the component affected may only continue in use after it has been inspected and passed by an expert.

## Rules applying during all phases of the assignment

- The customer must ensure that this product is erected and dismantled, reset and generally used for its intended purpose in accordance with the applicable laws, standards and rules, under the direction and supervision of suitably skilled persons. These persons' mental and physical capacity must not in any way be impaired by alcohol, medicines or drugs.
- Doka products are technical working appliances which are intended for industrial / commercial use only, always in accordance with the respective Doka User Information booklets or other technical documentation authored by Doka.
- The stability and load-bearing capacity of all components and units must be ensured during all phases of the construction work!
- Do not step on or apply strain to cantilevers, closures, etc. until suitable measures to ensure their stability have been correctly implemented (e.g. by tie-backs).
- Strict attention to and compliance with the functional instructions, safety instructions and load specifications are required. Non-compliance can cause accidents and severe injury (risk of fatality) and considerable damage to property.
- Sources of fire in the vicinity of the formwork are prohibited. Heaters are permissible only when used correctly and situated a correspondingly safe distance from the formwork.
- Customer must give due consideration to any and all effects of the weather on the equipment and regards both its use and storage (e.g. slippery surfaces, risk of slipping, effects of the wind, etc.) and implement appropriate precautionary measures to secure the equipment and surrounding areas and to protect workers.
- All connections must be checked at regular intervals to ensure that they are secure and in full working order.  
In particular threaded connections and wedged connections have to be checked and retightened as necessary in accordance with activity on the jobsite and especially after out-of-the-ordinary occurrences (e.g. after a storm).
- It is strictly forbidden to weld Doka products – in particular anchoring/tying components, suspension components, connector components and castings etc. – or otherwise subject them to heating.  
Welding causes serious change in the microstructure of the materials from which these components are made. This leads to a dramatic drop in the failure load, representing a very great risk to safety.  
It is permissible to cut individual tie rods to length with metal cutting discs (introduction of heat at the end of the rod only), but it is important to ensure that flying sparks do not heat and thus damage other tie rods.  
The only articles which are allowed to be welded are those for which the Doka literature expressly points out that welding is permitted.

## Assembly

- The equipment/system must be inspected by the customer before use, to ensure that it is in an acceptable condition. Steps must be taken to exclude components that are damaged, deformed, or weakened due to wear, corrosion or rot (e.g. fungal decay).
- Using our safety and formwork systems together with those of other manufacturers can create risks that may lead to injury and damage to property. This requires separate verification by the user.
- The equipment/system must be assembled and erected in accordance with the applicable laws, standards and rules by trained customer personnel whilst maintaining any applicable safety inspections that may be required.
- It is not permitted to modify Doka products; such modifications constitute a safety risk.

## Closing the formwork

- Doka products and systems must be set up so that all loads acting upon them are safely transferred!

## Pouring

- Do not exceed the permitted fresh-concrete pressures. Over-high pouring rates overload the formwork, cause greater deflection and risk breakage.

## Stripping the formwork

- Do not strip out the formwork until the concrete has reached sufficient strength and the person in charge has given the order for the formwork to be stripped out!
- When stripping out the formwork, never use the crane to break concrete cohesion. Use suitable tools such as timber wedges, special pry-bars or system features such as Framax stripping corners.
- When stripping out the formwork, do not endanger the stability of any part of the structure, or of any scaffolding, platforms or formwork that is still in place!

## Transporting, stacking and storing

- Observe all country-specific regulations applying to the handling of formwork and scaffolding. For system formwork the Doka slinging means stated in this booklet must be used – this is a mandatory requirement.  
If the type of sling is not specified in this document, the customer must use slinging means that are suitable for the application envisaged and that comply with the regulations.
- When lifting, always make sure that the unit to be lifted and its individual parts can absorb the forces that occur.
- Remove loose parts or secure them so that they cannot slip out of position and drop.
- When lifting formwork or formwork accessories with a crane, no persons must be carried along, e.g. on working platforms or in multi-trip packaging.
- All components must be stored safely, following all the special Doka instructions given in the relevant sections of this document!

## Maintenance

- Only original Doka components may be used as spare parts. Repairs may only be carried out by the manufacturer or authorised facilities.

## Miscellaneous

The weights as stated are averages for new material; actual weights can differ, depending on material tolerances. Dirt accretions, moisture saturation, etc. can also affect weight.

We reserve the right to make alterations in the interests of technical progress.

## Symbols used

The following symbols are used in this document:



### DANGER

This is a notifier drawing attention to an extremely dangerous situation in which non-compliance with this notifier will lead to death or severe, irreversible injury.



### WARNING

This is a notifier drawing attention to a dangerous situation in which non-compliance with this notifier can lead to death or severe, irreversible injury.



### CAUTION

This is a notifier drawing attention to a dangerous situation in which non-compliance with this notifier can lead to slight, reversible injury.



### NOTICE

This is a notifier drawing attention to a situation in which non-compliance with this notifier can lead to malfunctions or damage to property.



### Instruction

Indicates that actions have to be performed by the user.



### Sight-check

Indicates that you need to do a sight-check to make sure that necessary actions have been carried out.



### Tip

Points out useful practical tips.



### Reference

Cross-references other documents.

## Services

### Support in every stage of the project

- Project success assured by products and services from a single source.
- Competent support from planning through to assembly directly on site.

#### Project assistance from start to finish

Every single project is unique and calls for individualised solutions. When it comes to the forming operations, the Doka team can help you with its consulting, planning and ancillary services in the field, enabling you to carry out your project effectively, safely and reliably. Doka assists you with individual consulting services and customised training courses.

#### Efficient planning for a safe project sequence

Efficient formwork solutions can only be developed economically if there is an understanding of project requirements and construction processes. This understanding is the basis of Doka engineering services.

#### Optimise construction workflows with Doka

Doka offers special tools that help you in designing transparent processes. This is the way to speed up pouring processes, optimise inventories and create more efficient formwork planning processes.

#### Custom formwork and on-site assembly

To complement its system formwork range, Doka offers customised formwork units. And specially trained personnel assemble load-bearing towers and formwork on site.

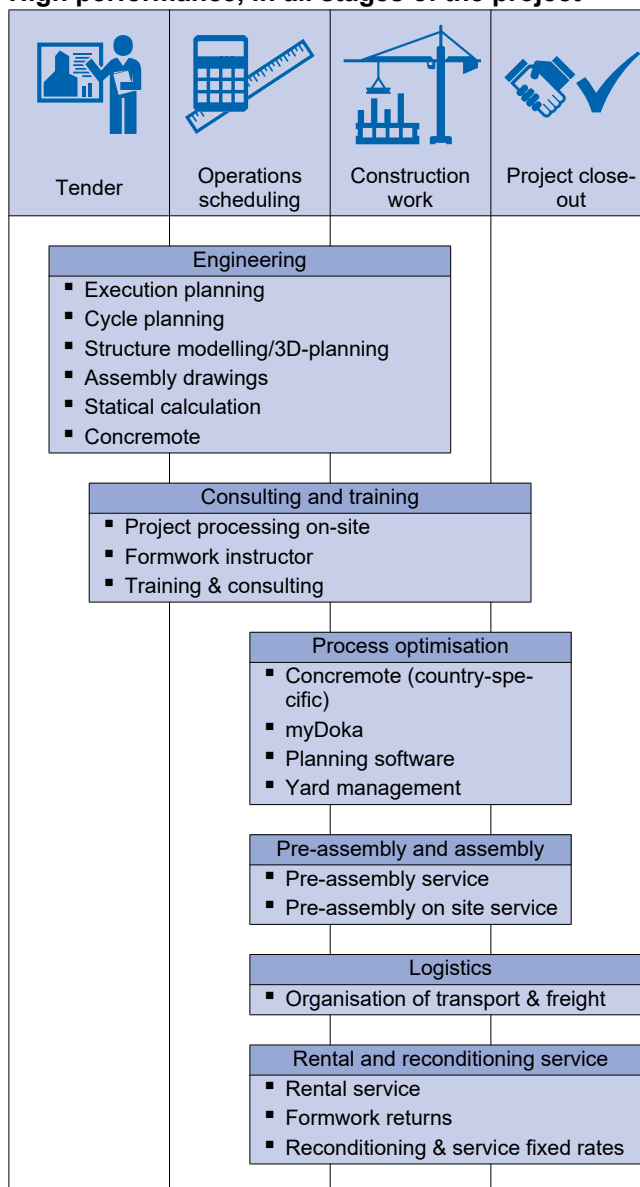
#### Just-in-time availability

Formwork availability is a crucial factor in realising your project on time and on budget. The worldwide logistics network puts the necessary formwork quantities on site at the agreed time.

#### Rental and reconditioning service

The formwork material needed for any particular project can be rented from Doka's high-performing rental park. Doka Reconditioning cleans and overhauls both client-owned equipment and Doka rental equipment.

### High performance, in all stages of the project



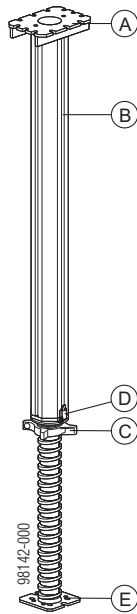
#### upbeat construction digital services for higher productivity

From planning through to completion - with upbeat construction we'll be moving construction forward and upping the beat for more productive building with all our digital services. Our digital portfolio covers the entire construction process and is being extended all the time. To find out more about our specially developed solutions go to [doka.com/upbeatconstruction](https://doka.com/upbeatconstruction).

## Product description

The Floor prop Eurex 100 plus is a high-strength construction prop made of aluminium with quick-motion adjustment by screw jack.

It is designed for propping temporary structures.



- A Head plate
- B Outer tube
- C Adjusting nut
- D Anti-dropout lock
- E Baseplate

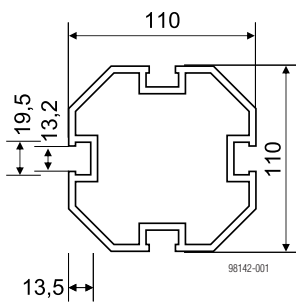
The main features:

- Type-tested and approved in accordance with Z-8.312-868
- High load-bearing capacity up to 128 kN
  - See the section headed 'Permitted carrying capacity'
- Extension lengths from 1.70 to 5.50 m
- Durable aluminium construction for easy handling and low dead weight
- Anti-dropout lock keeps the screw jack from dropping out

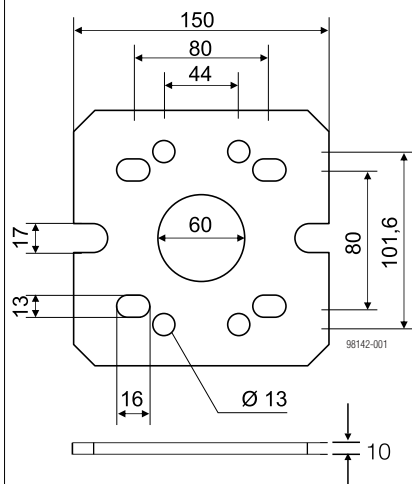


- Thread: Tr 74.5 x 24.35 2gg
- Jack nut with large lead makes for quick adjustment
- Double-start thread for easy backing off even under high load
- Self-cleaning thread reduces the amount of cleaning needed
- Easily installed extra screw jacks extend the range of use

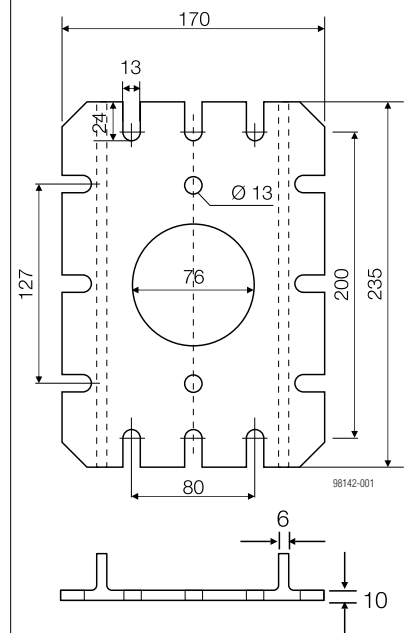
**Cross-section, outer tube**



**Baseplate**

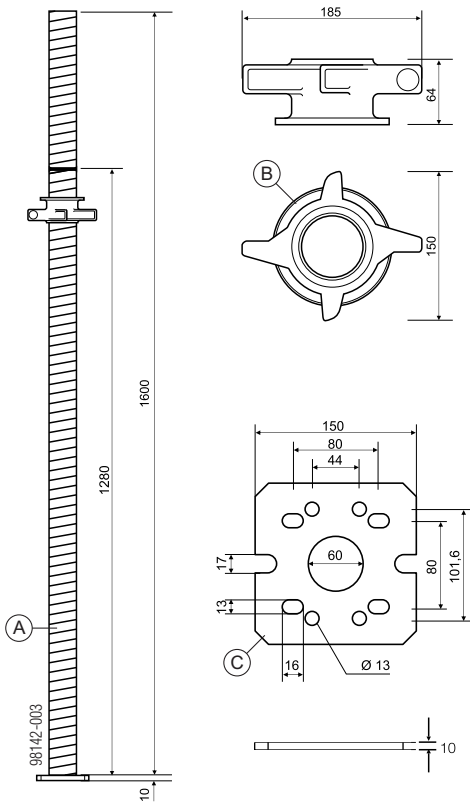


**Head plate**



## Extra screw jacks

### Eurex 100 plus screw jack 1.20m

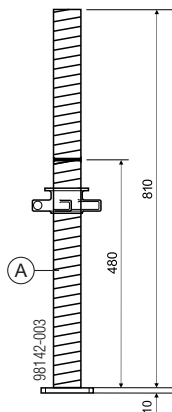


**A** Eurex 100 plus screw jack 1.20m  
(Thread: Tr 74.5 x 24.35 2gg)

**B** Jack nut

**C** Base plate

### Eurex 100 plus screw jack 0.40m

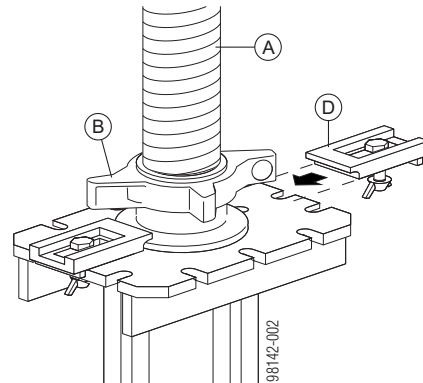


**A** Eurex 100 plus screw jack 0.40m  
(Thread: Tr 74.5 x 24.35 2gg)

## Installation of the extra screw jack

An extra screw jack can be secured with two screw jack retainers to the head of the floor prop.

- Slip the extra screw jack into the outer tube at the head of the floor prop.
- Fully back off the screw of the screw jack retainer.
- Slip the screw jack retainer (with the wingnut down) over the head-plate in such a way that the screw can engage in the centre recess in the short side of the head plate while at the same time the projection of the retainer slides over the flange at the nut of the extra screw jack.



**A** Extra screw jacks:

Eurex 100 plus screw jack 1.20m or  
Eurex 100 plus screw jack 0.40m

**B** Jack nut

**D** Screw jack retainer

## Couplers

### Eurex 100 plus half coupler

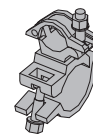
For connecting Scaffold tubes 48.3mm to the Floor prop Eurex 100 plus.

- Insert hammer-head screws into the groove in the Eurex 100 plus and tighten.



### Transition swivel coupler 48/76mm

For bracing the floor prop Eurex 100 plus screw jack with Scaffold tubes 48.3mm.



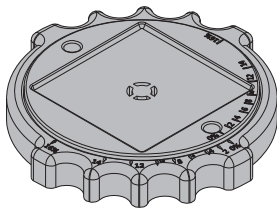
## Eurex 100 plus 4-way head

For accommodating Doka beams H20, composite formwork beams I tec 20 and steel walings up to WU14. Integrated wedge-clamped joints for securing to head plate and base plate.



98142-016

## Compensating plate



The Compensating plate is used to compensate for sloping support surfaces without limiting load-bearing capacity.

- Angle adjustment from 0 - 16 % in all directions.
- The base plate is always supported across its entire area.



98142-017





### NOTICE

- The Compensating plate must be placed on concrete only.
- For the proof against slippage between the Compensating plate and the concrete, the same friction factor  $\mu$  0.33 must be assumed as for steel on concrete.

## Declaration of conformity

The Floor props Eurex 100 plus, as described in these instructions for assembly and use, in association with the Doka brand name are products of Friedr. Ischebeck GmbH and as "Alu-Spindelstützen TITAN" have Building Inspectorate approval issued under approval number DIBt Z-8.312-868. The table below sets out the cor-

responding products and declares the conformity, confirmed by the manufacturer, of those products having different designations and article numbers.

			
Art. n°	Article designation	Art. n°	Article designation
820000001	Eurex 100 plus 290	120150001	TITAN adjustable aluminium leg, size 2
820000003	Eurex 100 plus 410	120150003	TITAN adjustable aluminium leg, size 4
820000005	Eurex 100 plus 550	120150005	TITAN adjustable aluminium leg, size 6
820000011	Eurex 100 plus screw jack 0.40m	220150021	Aluminium screw jack, 0.40m
820000012	Eurex 100 plus screw jack 1.20m	220150020	Aluminium screw jack, 1.20m
820000013	Eurex 100 plus jack retaining clamp	220150017	Screw jack retainer
820000014	Eurex 100 plus removable folding tripod	620140010	Universal tripod
820000015	Eurex 100 plus jack wrench	220150055	Spindle wrench
820000016	Eurex 100 plus half coupler	620150089	Half coupler

## Instructions for assembly and use (Method statement)

### Intended use

You will also find information on correct usage in the respective User Information booklets, e.g.:

- Dokaflex
- Dokaflex 30 tec

### Example of use - Doka floor props Eurex for temporary shoring

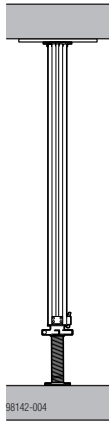
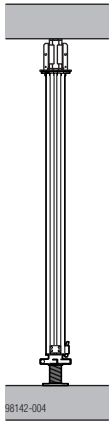
When used as temporary reshoring, the permissible load-bearing capabilities of Floor props Eurex 100 plus are higher as stated in the table in the section entitled 'Permitted load-bearing capacities of Floor props Eurex 100 plus'.



#### NOTICE

This increase in capacity only applies if the head- and baseplate are placed directly against the floor-slabs.

#### Practical examples

With increase in capacity	Without increase in capacity
 98142-004	 98142-004

### Setting up with tripod

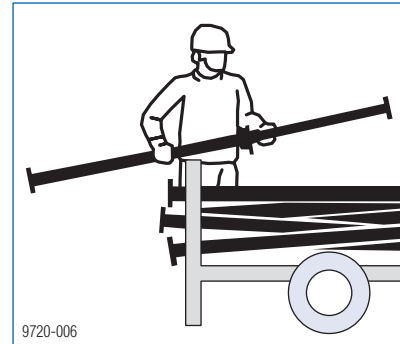


#### CAUTION

Not a substitute for the bracing necessary for load-bearing towers.

- Use as a set-up aid only!

Applies only for use as free-standing props. Comply with the instructions in the applicable User Information booklet when using the props in combination with a formwork system.



- Initially, set the prop to approximately the correct height by adjusting the screw jack.



- Two anti-dropout locks secure the screw jack to prevent it from dropping out of the outer tube. To adjust the screw jack, release the anti-dropout lock.



- Next, freely spin the jack nut (quick adjustment). Then re-insert the screw jack into the outer tube until the anti-dropout locks engage at the nut.

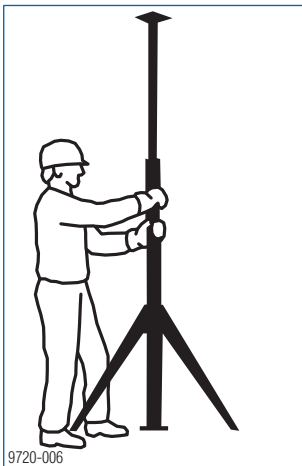


The strike faces of the jack nut indicate the direction of rotation (counter-clockwise), regardless of whether the prop is set up with the screw jack secured at the top or the bottom.

- There is a scale stamped into the outer tube, making the prop easy to adjust to the necessary height. The scale indicates the length from the top edge of the head plate to the stamped mark (in mm). The scales stamped into the three sizes of prop are as follows (all sizes are in millimetres):  
Size 2: 1500  
Size 4: 2500  
Size 6: 4000
- Set up each removable folding tripod.
- Put the floor prop into the tripod and fix it in place. Before stepping onto the formwork, check again to make sure that the props have been correctly fixed in the tripods.



- With the prop upright, use the adjusting nut for precision adjustment.



## Backing off floor props (under load)

The jack nut of the Eurex 100 plus can be backed off under load with the jack wrench.



The grip of the jack wrench can be installed in different positions.



The marks on the wings of the jack nut indicate the direction of rotation.



## Stripping out floor props under load (screw jack at top)

The jack nut of the Eurex 100 plus can be backed off under load with the spindle wrench.



The marks on the wings of the jack nut indicate the direction of rotation.

## Setting up without tripod

- To prevent toppling, secure intermediate props on the floor formwork.
- When using props as temporary reshoring, press them sufficiently tightly against the floor structure to ensure that they cannot topple.

## Propping with Bracing frame Eurex

The Bracing frames Eurex 1.22m and 0.81m fix the Doka floor prop Eurex 100 plus and are a stable set-up aid.

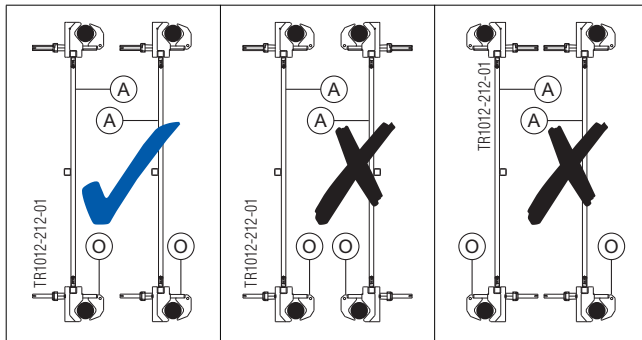
Features:

- Suitable for fixing to the outer tube.
- Captively integrated quick-fixing mechanism for the Doka floor props.
- Can be used in combination with diagonal crosses.
- On uneven surfaces, higher stability is ensured during assembly.



### NOTICE

- Used as a set-up aid and takes horizontal loads during assembly.
- **Not suitable** for sustaining horizontal loads during pouring.
- All the floor props must be plumb.
- The prop holders on the bracing frames must always be pointing in the same direction.



A Bracing frame Eurex 1.22m or 0.81m

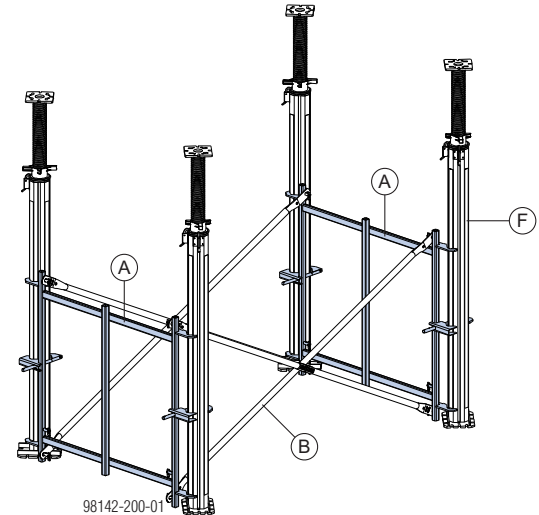
O Prop holder with quick-fixing mechanism

## Assembly



### NOTICE

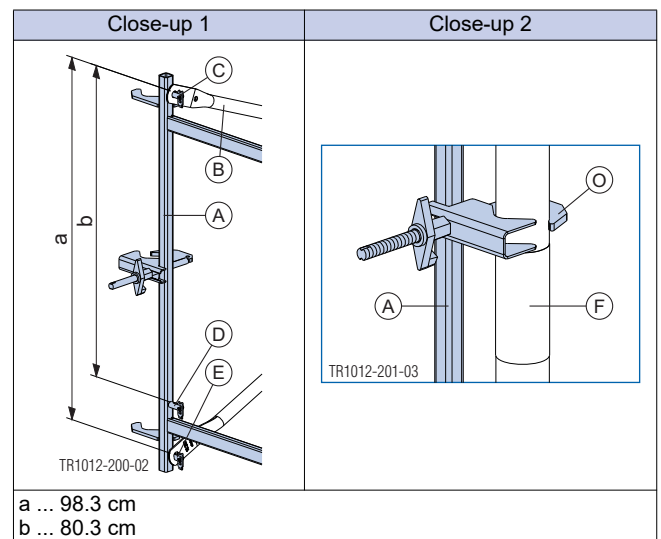
- ▶ Always set up the bracing frames such that the end with the two safety catches (D) and (E) is at the bottom (see Close-up 1).
- ▶ Join both bracing frames with diagonal crosses at top and bottom, and secure these with safety catches (Close-up 1).
- ▶ Fasten floor props to the bracing frame with the quick-fixing mechanism (Close-up 2).



A Bracing frame Eurex 1.22m

B Diagonal cross

F Eurex 100 plus



A Bracing frame Eurex 1.22m or 081m

B Diagonal cross

C Safety catch 1

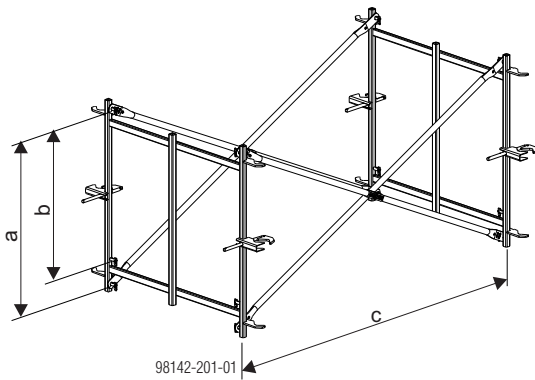
D Safety catch 2

E Safety catch 3

F Eurex 100 plus

O Prop holder with quick-fixing mechanism

## Spacing of bracing frames Eurex



Designation	Spacing of safety catches [cm]	
	a = 98.3	b = 80.3
	Spacing of bracing frames c [cm]	
Diagonal cross 9.100	82.4	100.0
Diagonal cross 9.150	138.9	150.0
Diagonal cross 9.165	154.9	165.0
Diagonal cross 9.175	165.5	175.0
Diagonal cross 9.200	191.8	200.0
Diagonal cross 9.250	243.5	250.0
Diagonal cross 9.300	294.6	300.0

Diagonal cross 12.060	78.1	96.5
Diagonal cross 12.100	111.8	125.3
Diagonal cross 12.150	158.1	168.0
Diagonal cross 12.165	172.4	181.5
Diagonal cross 12.175	182.0	190.6
Diagonal cross 12.200	206.1	213.8
Diagonal cross 12.250	254.9	261.1
Diagonal cross 12.300	304.1	309.4

Diagonal cross 18.100	173.4	182.4
Diagonal cross 18.150	206.3	214.0
Diagonal cross 18.165	217.5	224.7
Diagonal cross 18.175	225.2	232.2
Diagonal cross 18.200	245.1	251.6
Diagonal cross 18.250	287.3	292.9
Diagonal cross 18.300	331.8	336.6

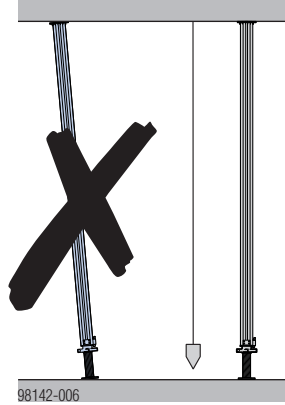
## Possible incorrect usages



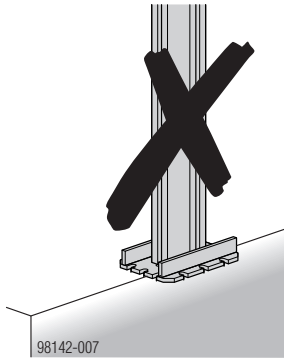
### WARNING

► The uses illustrated below are prohibited, as are other, similar uses!

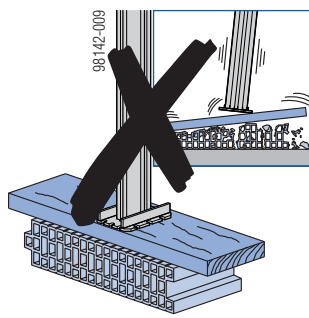
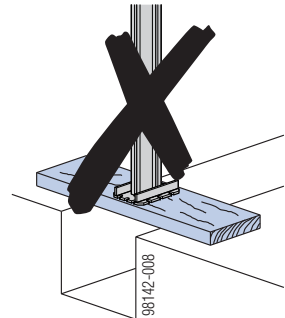
Use only perfectly upright and plumb.



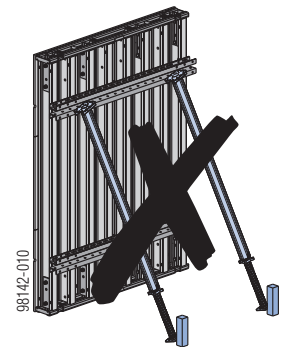
Baseplate must make full-surface contact with the ground.



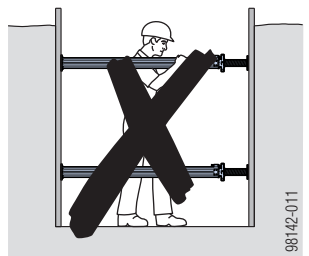
Place only on ground of adequate load-bearing strength.



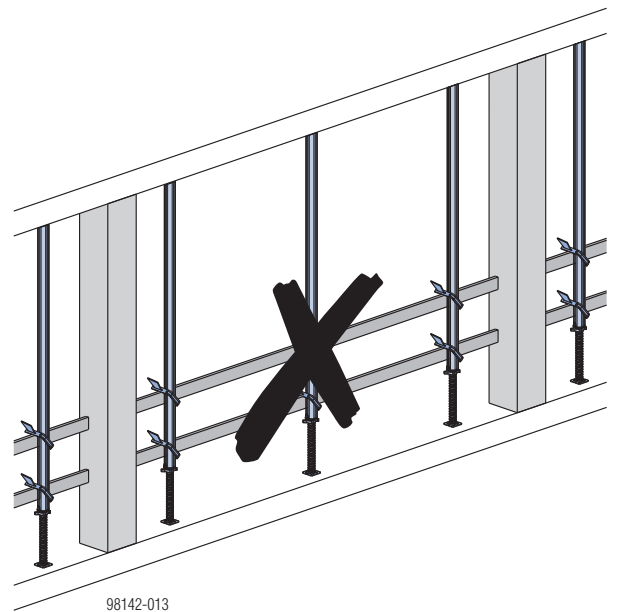
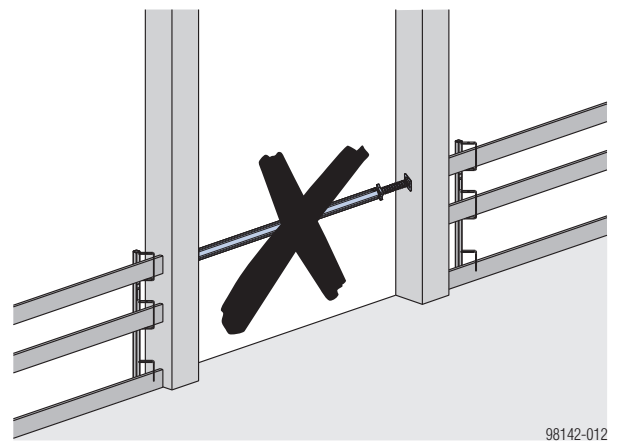
Do not use to support formwork panels.



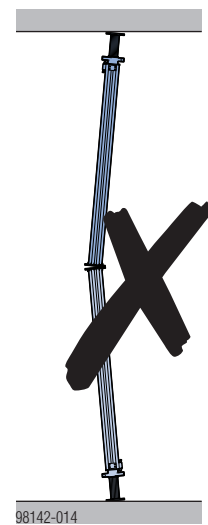
Do not use as trenching braces.



Do not use as barrier to close off openings.



Do not attempt to use floor props one on top of another.



## Technical condition

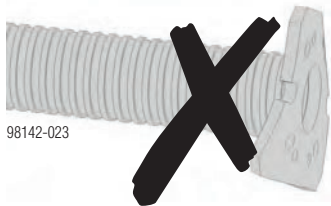
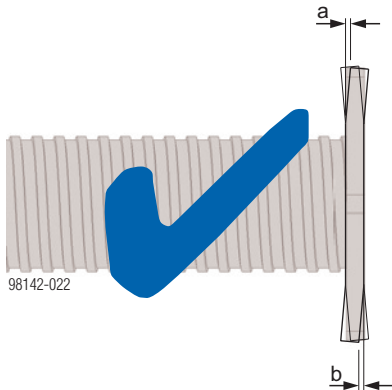
The following quality criteria define the statically permitted degree of damage or weakening.

Use is prohibited if the damage is more extensive.

### Outer tube - screw jack

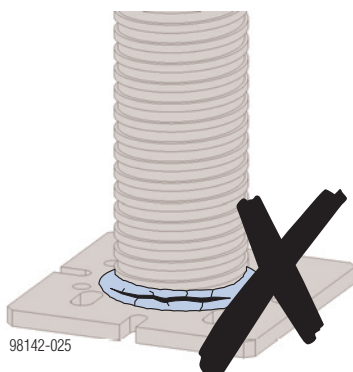
#### Head plate or baseplate bent out of shape

- **a max. 1 mm** outward and
- **b max. 3 mm** inward is permissible



#### Cracks in welds

- not permissible



### Screw jack

- must be greased over entire length and action must be smooth.

### Anti-dropout lock of the screw jack

- must be in full working order

## Permitted working load limit

### Used as free (non-system-dependent) construction props

#### Note:

See next page for prop and screw-jack lengths.

**Permitted capacities [kN] as a function of the extension length and the position of the screw jack (as per General Building-Inspectorate Approval Z-8.312-868 and type test S-N/100364)**

	Eurex 100 plus									
	290			410			550			
Prop length [m]	at bottom	at top	at bottom and at top <sup>1)</sup>	at bottom	at top	at bottom and at top <sup>1)</sup>	at bottom	at top	at bottom and at top <sup>1)</sup>	Position of the screw jack <sup>*)</sup>
6.8	—	—	—	—	—	—	—	—	16.9	
6.7	—	—	—	—	—	—	—	—	18.0	
6.6	—	—	—	—	—	—	—	—	19.1	
6.5	—	—	—	—	—	—	—	—	20.1	
6.4	—	—	—	—	—	—	—	—	21.2	
6.3	—	—	—	—	—	—	—	—	22.3	
6.2	—	—	—	—	—	—	—	—	23.4	
6.1	—	—	—	—	—	—	—	—	24.4	
6.0	—	—	—	—	—	—	—	—	25.5	
5.9	—	—	—	—	—	—	—	—	27.0	
5.8	—	—	—	—	—	—	—	—	28.4	
5.7	—	—	—	—	—	—	—	—	29.9	
5.6	—	—	—	—	—	—	—	—	31.4	
5.5	—	—	—	—	—	—	29.9	25.6	32.8	
5.4	—	—	—	—	—	24.1	31.9	27.9	34.3	
5.3	—	—	—	—	—	25.8	33.9	30.1	35.7	
5.2	—	—	—	—	—	27.5	35.9	32.4	37.2	
5.1	—	—	—	—	—	29.1	37.9	34.6	39.1	
5.0	—	—	—	—	—	30.8	39.8	37.6	41.1	
4.9	—	—	—	—	—	32.5	41.8	40.6	43.0	
4.8	—	—	—	—	—	34.2	43.7	43.6	44.9	
4.7	—	—	—	—	—	35.8	45.6	46.6	46.8	
4.6	—	—	—	—	—	37.5	47.7	49.6	48.8	
4.5	—	—	—	—	—	40.9	49.9	52.7	50.7	
4.4	—	—	—	—	—	44.4	52.0	55.7	52.6	
4.3	—	—	—	—	—	47.8	54.1	58.7	—	
4.2	—	—	31.5	—	—	51.3	—	—	—	
4.1	—	—	33.8	45.9	36.7	54.7	—	—	—	
4.0	—	—	36.1	51.0	40.4	58.1	—	—	—	
3.9	—	—	38.5	56.1	44.1	61.6	—	—	—	
3.8	—	—	40.8	61.2	47.8	65.0	—	—	—	
3.7	—	—	43.1	66.3	51.5	70.8	—	—	—	
3.6	—	—	46.7	71.0	58.6	76.6	—	—	—	
3.5	—	—	50.3	75.8	65.7	82.4	—	—	—	
3.4	—	—	54.0	80.5	72.7	88.2	—	—	—	
3.3	—	—	57.6	85.2	79.8	94.0	—	—	—	
3.2	—	—	61.2	92.4	91.9	99.8	—	—	—	
3.1	—	—	—	99.7	103.9	—	—	—	—	
3.0	—	—	—	106.9	116.0	—	—	—	—	
2.9	66.7	54.0	—	114.1	128.0	—	—	—	—	
2.8	75.3	59.8	—	—	—	—	—	—	—	
2.7	83.9	65.6	—	—	—	—	—	—	—	

		Eurex 100 plus									Position of the screw jack <sup>*)</sup>
		290			410			550			
Prop length [m]	at bottom	at top	at bottom and at top <sup>1)</sup>	at bottom	at top	at bottom and at top <sup>1)</sup>	at bottom	at top	at bottom and at top <sup>1)</sup>		
2.6	92.5	71.3	—	—	—	—	—	—	—		
2.5	101.1	77.1	—	—	—	—	—	—	—		
2.4	107.8	85.5	—	—	—	—	—	—	—		
2.3	114.6	93.9	—	—	—	—	—	—	—		
2.2	121.3	102.2	—	—	—	—	—	—	—		
2.1	128.0	110.6	—	—	—	—	—	—	—		
2.0	128.0	115.0	—	—	—	—	—	—	—		
1.9	128.0	119.3	—	—	—	—	—	—	—		
1.8	128.0	123.7	—	—	—	—	—	—	—		
1.7	128.0	128.0	—	—	—	—	—	—	—		

<sup>1)</sup> Props with extra screw jack: top and bottom screw jack extension lengths should be as close to equal as possible. If this is not the case, use the longer screw jack extension length for the purposes of this calculation.

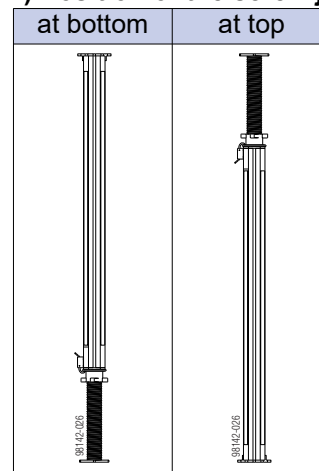
Example:

Eurex 100 plus 550 with two screw jacks 5.70 m, screw jack at bottom 100 cm, screw jack at top 40 cm

as per table:

screw jack extension 2 x 100 cm = prop length 6.30 m → 22.3 kN

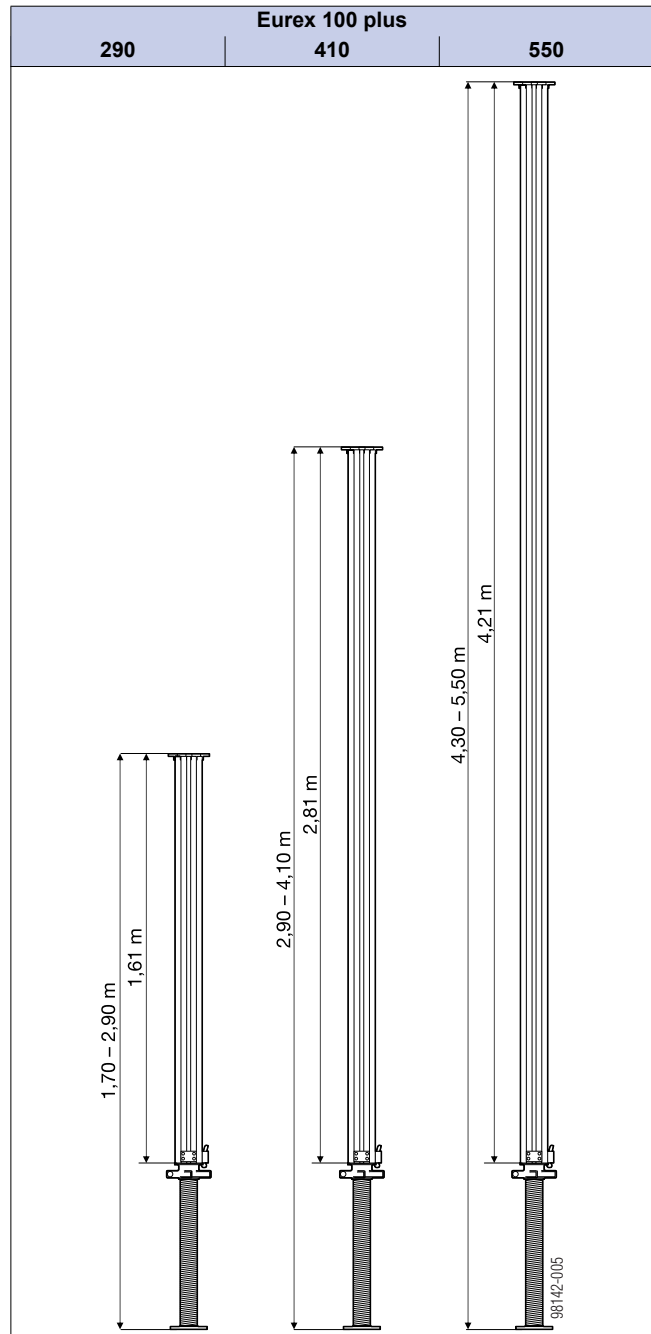
#### \*) Position of the screw jack



## Using as temporary reshores (props restrained)

The props can be set up with either the inner tube (screw jack) or the outer tube down.

Prop length [m]	Eurex 100 plus		
	290	410	550
5.5	—	—	41.9
5.4	—	—	45.7
5.3	—	—	49.5
5.2	—	—	53.3
5.1	—	—	57.1
5.0	—	—	60.7
4.9	—	—	64.4
4.8	—	—	68.0
4.7	—	—	71.6
4.6	—	—	76.0
4.5	—	—	80.5
4.4	—	—	84.9
4.3	—	—	89.3
4.2	—	—	—
4.1	—	60.5	—
4.0	—	66.6	—
3.9	—	72.7	—
3.8	—	78.8	—
3.7	—	84.9	—
3.6	—	96.4	—
3.5	—	107.9	—
3.4	—	119.5	—
3.3	—	126.6	—
3.2	—	128.0	—
3.1	—		—
3.0	—		—
2.9	89.1		—
2.8	98.6	—	—
2.7	103.9	—	—
2.6	110.8	—	—
2.5	115.7	—	—
2.4	125.2	—	—
2.3	128.0	—	—
2.2		—	—
2.1		—	—
2.0		—	—
1.9		—	—
1.8		—	—
1.7		—	—



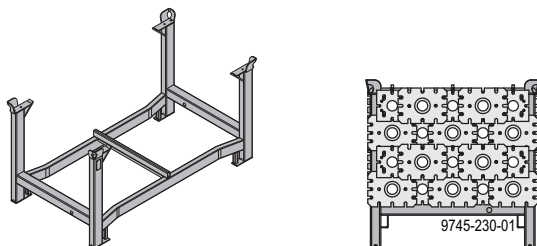
### Practical examples

With increase in capacity	Without increase in capacity

## Transporting, stacking and storing

### Doka stacking pallet 1.55x0.85m

- Ideal for all sizes of floor props, timber formwork beams, Dokadur panels and formwork sheets.
- Galvanised - stackable - safe to lift by crane



Max. load-bearing capacity: 1100 kg  
Loading capacity: 20 Eurex 100 plus



Follow the directions in the Operating Instructions!

### Using Doka stacking pallets as storage units

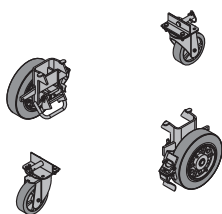
#### Max. n° of boxes on top of one another

Outdoors (on the site) Floor gradient up to 3%	Indoors Floor gradient up to 1%
2	6
It is not allowed to stack empty pallets on top of one another!	

### Bolt-on castor set B

The Bolt-on caster set B turns the stacking pallet into a fast and manoeuvrable transport device.

Suitable for drive-through access openings > 90 cm.



The Bolt-on caster set B can be mounted to the following multi-trip packaging items:

- Doka accessory box
- Doka stacking pallets
- Protective barrier Z pallet



Follow the directions in the 'Bolt-on castor set B' Operating Instructions!

## Doka multi-trip transport box

Storage and transport device for small items

### Using Doka multi-trip transport boxes as storage units

#### Max. n° of units on top of one another

Outdoors (on the site)		Indoors	
Floor gradients up to 3%		Floor gradients up to 1%	
Doka multi-trip transport box 1.20x0.80m	1.20x0.80x0.41m	Doka multi-trip transport box 1.20x0.80m	1.20x0.80x0.41m
3	5	6	10
It is not allowed to stack empty pallets on top of one another!			



#### NOTICE

Stacked multi-trip boxes or pallets must have the heaviest boxes at the bottom and the lightest at the top.

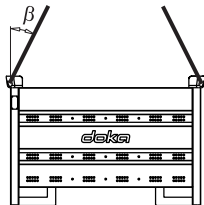
### Using Doka multi-trip transport boxes as transport devices

#### Lifting by crane



#### NOTICE

- Multi-trip packaging items must be lifted individually.
- Use a suitable crane lifting tackle (e.g. Doka 4-part chain 3.20m).  
Do not exceed the permitted load-bearing capacity.
- Spread angle  $\beta$  max. 30°!

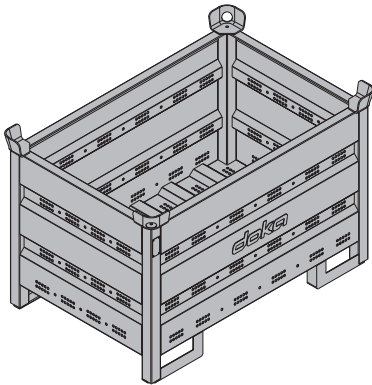


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#### Repositioning by forklift truck or pallet stacking truck

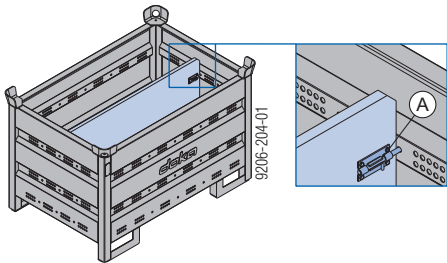
The forks can be inserted under either the broadside or the narrowside of the containers.

## Doka multi-trip transport box 1.20x0.80m



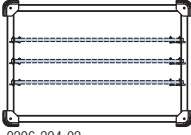
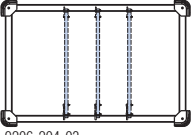
Max. carrying capacity: 1500 kg (3300 lbs)  
Permitted imposed load: 7850 kg (17300 lbs)

Different items in the Doka multi-trip transport box can be kept separate with the **Multi-trip transport box partitions 1.20m or 0.80m**.

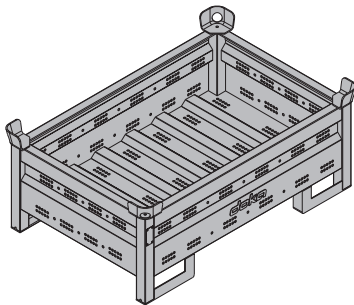


**A** Slide-bolt for fixing the partition

#### Possible ways of dividing the box

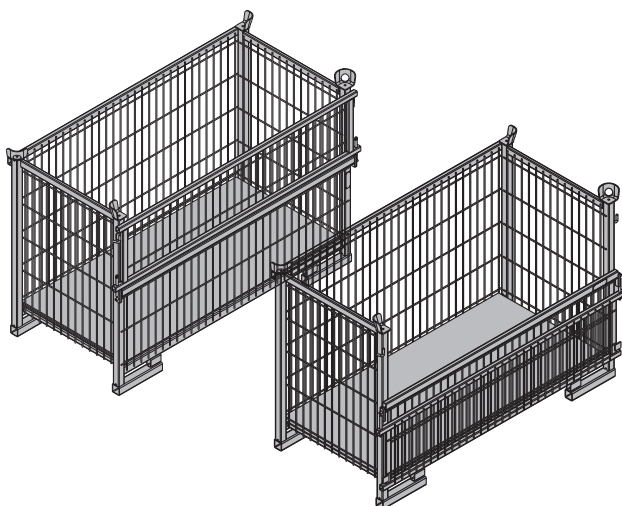
Multi-trip transport box partition	in the longitudinal direction	in the transverse direction
1.20m	max. 3 partitions	-
0.80m	-	max. 3 partitions
		
	9206-204-02	9206-204-03

## Doka multi-trip transport box 1.20x0.80mx0.41m



Max. carrying capacity: 750 kg (1650 lbs)  
Permitted imposed load: 7200 kg (15870 lbs)

## Doka skeleton transport box 1.70x0.80m



Storage and transport devices for small items:

- durable
- stackable

Suitable transport appliances:

- crane
- pallet stacking truck
- forklift truck

To make the Doka skeleton transport box easier to load and unload, one of its sidewalls can be opened.

Max. load-bearing capacity: 700 kg (1540 lbs)  
 Permitted imposed load: 3150 kg (6950 lbs)  
 Loading capacity: 35 Eurex 100 plus removable folding tripods



### NOTICE

- Multi-trip packaging items that each contain very different loads must be stacked with the heaviest ones at the bottom and the lightest ones at the top!
- The type plate must be in place and clearly legible.

## Using Doka skeleton transport boxes 1.70x0.80m as storage units

### Max. n° of units on top of one another

Outdoors (on the site) Floor gradients up to 3%	Indoors Floor gradients up to 1%
2	5
It is not allowed to stack empty pallets on top of one another!	



### NOTICE

Stacked multi-trip boxes or pallets must have the heaviest boxes at the bottom and the lightest at the top.

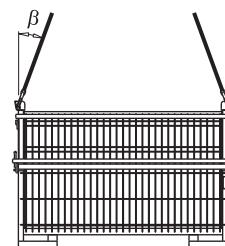
## Using Doka skeleton transport boxes 1.70x0.80m as transport devices

### Lifting by crane



### NOTICE



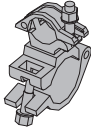
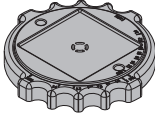


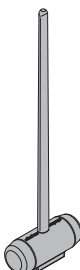
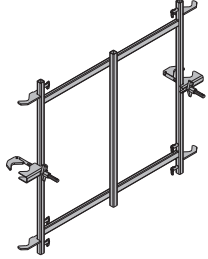



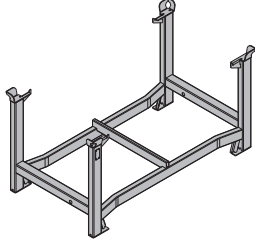
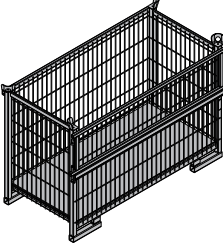
- Multi-trip packaging items may only be lifted one at a time.
- Only lift the boxes when their sidewalls are closed!
- Use a suitable crane suspension tackle (e.g. Doka 4-part chain 3.20m). Do not exceed the permitted load-bearing capacity.
- Spread angle  $\beta$  max. 30°!

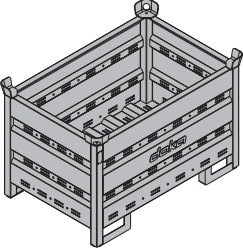
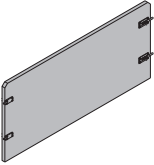
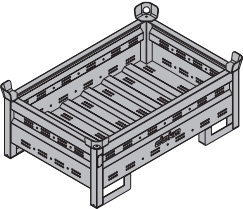
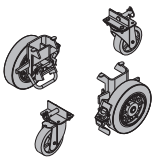


9234-203-01

### Repositioning by forklift truck or pallet stacking truck

The forks can be inserted under either the broadside or the narrowside of the containers.

	[kg]	Article N°		[kg]	Article N°
<b>Eurex 100 plus 290</b> Length: 170 - 290 cm <b>Eurex 100 plus 410</b> Length: 290 - 410 cm <b>Eurex 100 plus 550</b> Length: 430 - 550 cm Eurex 100 plus	18.4	820000001	<b>Eurex 100 plus half coupler 48mm</b> Eurex 100 plus Halbkupplung 48mm Galvanised	1.6	820000016
 Aluminium					
			<b>Transition swivel coupler 48/76mm</b> Übergangsdrehkupplung 48/76mm Galvanised Width-across: 22 mm Follow the directions in the "Fitting instructions"!	1.9	582563000
					
			<b>Compensating plate</b> Ausgleichsplatte Black Diameter: 30 cm	1.2	582239000
<b>Eurex 100 plus 4-way head</b> Eurex 100 plus Vierwegkopf Galvanised	6.6	582690000			
					
<b>Eurex 100 plus removable folding tripod</b> Eurex 100 plus Stützbein Galvanised Height: 100 cm Delivery condition: folded closed	9.3	820000014	<b>Plastic mallet 4kg</b> Kunststoffhammer 4kg Blue Length: 110 cm	4.5	586097000
					
<b>Bracing frame Eurex 1.22m</b> <b>Bracing frame Eurex 0.81m</b> Aufstellrahmen Galvanised Height: 111 cm	16.0	586557000			
					
<b>Eurex 100 plus screw jack 0.40m</b> <b>Eurex 100 plus screw jack 1.20m</b> Eurex 100 plus Spindel Aluminium	6.1	820000011			
	10.4	820000012			
<b>Eurex 100 plus jack retaining clamp</b> Eurex 100 plus Spindelhalterung	0.30	820000013			
					
<b>Eurex 100 plus jack wrench</b> Eurex 100 plus Spindelschlüssel	4.3	820000015			
					
			<b>Multi-trip packaging</b>		
			<b>Doka stacking pallet 1.55x0.85m</b> Doka-Stapelpalette 1,55x0,85m Galvanised Height: 77 cm	41.0	586151000
					
			<b>Doka skeleton transport box 1.70x0.80m</b> Doka-Gitterbox 1,70x0,80m Galvanised Height: 113 cm	87.0	583012000
					

	[kg]	Article N°		[kg]	Article N°
<b>Doka multi-trip transport box 1.20x0.80m</b> Doka-Mehrwegcontainer 1,20x0,80m Galvanised Height: 78 cm 	70.0	583011000			
<b>Multi-trip transport box partition 0.80m</b> <b>Multi-trip transport box partition 1.20m</b> Mehrwegcontainer Unterteilung Steel parts galvanised Timber parts varnished yellow 	3.7 5.5	583018000 583017000			
<b>Doka multi-trip transport box 1.20x0.80x0.41m</b> Doka-Mehrwegcontainer 1,20x0,80x0,41m Galvanised 	42.5	583009000			
<b>Bolt-on castor set B</b> Anklemm-Radsatz B Painted blue 	33.6	586168000			

## Near to you, worldwide

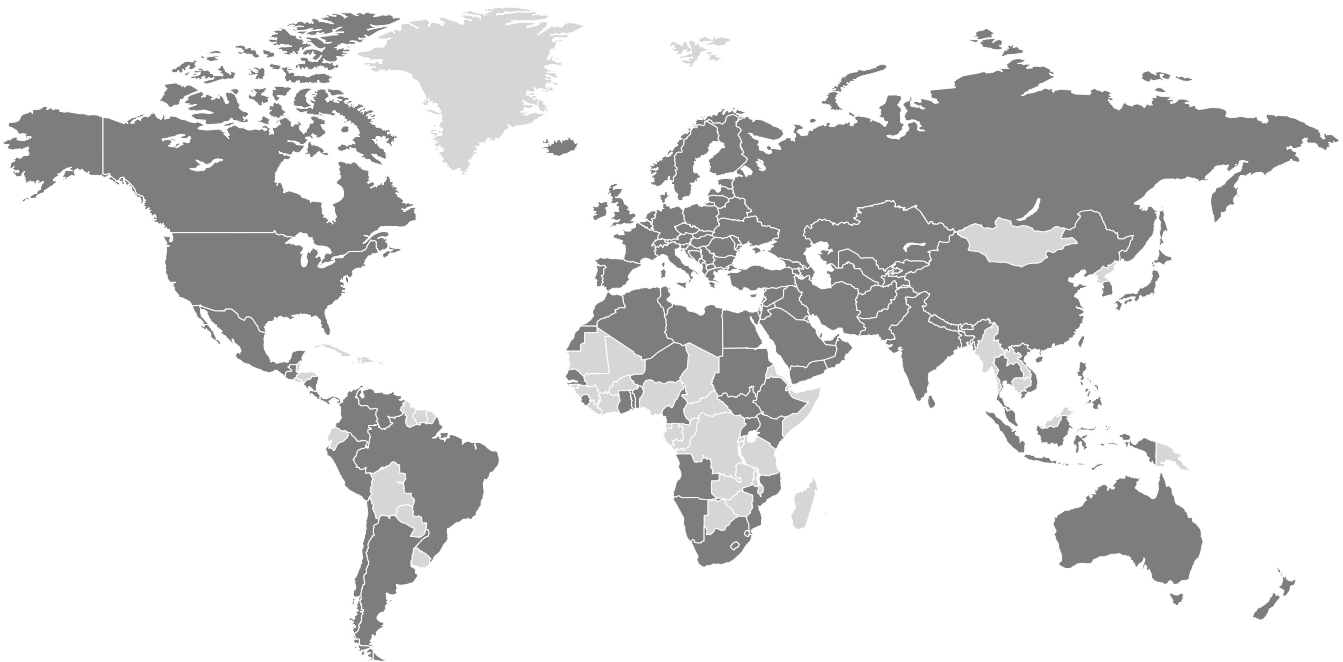
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Doka is one of the world leaders in developing, manufacturing and distributing formwork technology for use in all fields of the construction sector.

With more than 160 sales and logistics facilities in over 70 countries, the Doka Group has a highly efficient distribution network which ensures that equipment and

technical support are provided swiftly and professionally.

An enterprise forming part of the Umdasch Group, the Doka Group employs a worldwide workforce of more than 6000.



[www.doka.com/floor-props](http://www.doka.com/floor-props)