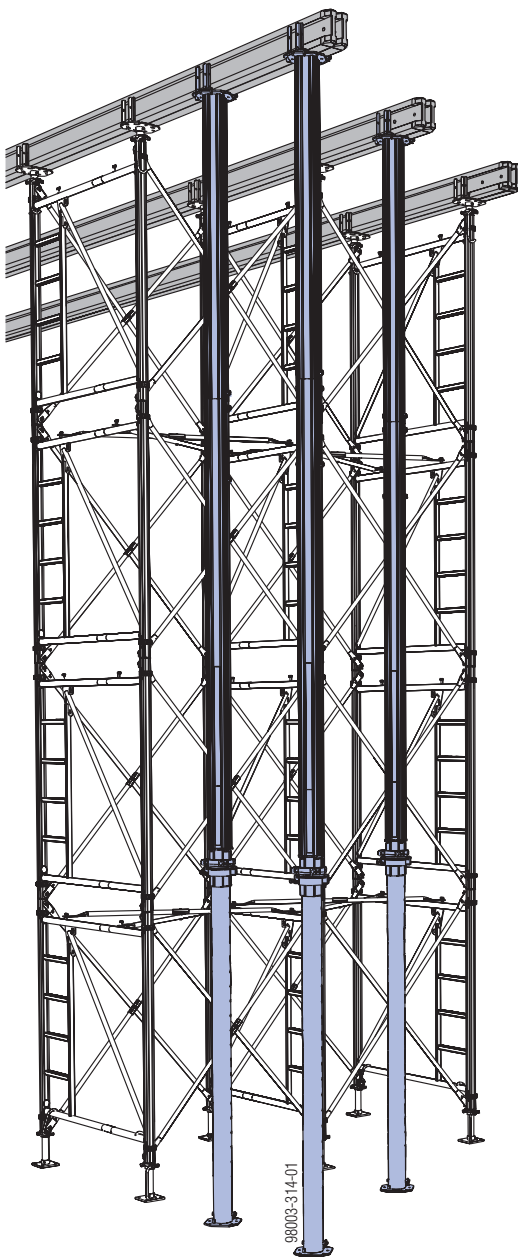


The Formwork Experts.

Eurex 60 550

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 at 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.

Eurocodes at Doka

The permissible values stated in Doka documents (e.g. $F_{perm} = 70 \text{ kN}$) are not design values (e.g. $F_{Rd} = 105 \text{ kN}$), unless specified!

- It is essential to avoid confusing permissible values with design values!
- Doka documents will continue to state the permissible values.

Allowance has been made for the following partial factors:

- $\gamma_F = 1.5$
- $\gamma_{M, \text{timber}} = 1.3$
- $\gamma_{M, \text{steel}} = 1.1$
- $k_{mod} = 0.9$

Consequently, all the design values for an EC design calculation can be determined from the permissible values.

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.

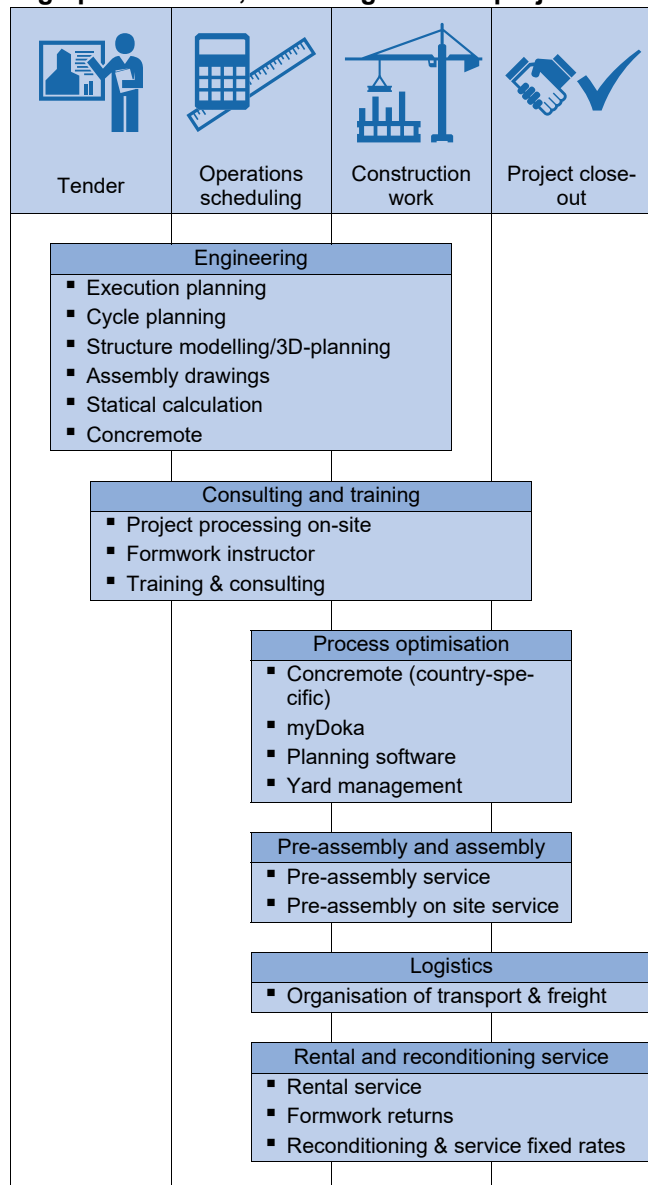
Just-in-time availability

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



Digital Services

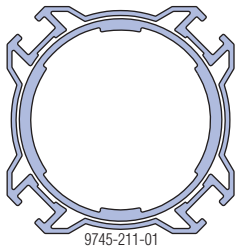
for higher productivity in construction

From planning to completion of construction - with our digital services we want to set the pace for boosting productivity in construction. Our digital portfolio includes solutions for planning, procuring and managing to performing on site. Learn more about our digital offer at doka.com/digital.

Eurex 60 550 used as a floor prop

Product description

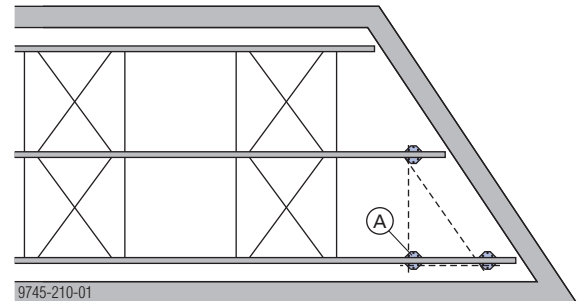
- The perfect complement to all Doka load-bearing towers.
- Transfers loads economically, also in confined spaces.
- Extension length: 3.50 to 5.50 m
- For even greater heights, the prop can be lengthened to 7.50 m or 11.0 m. In this case, allow for the reduction in capacity as shown in the diagram!
- Meets DIBT - German Institute for Construction Engineering - approvals criteria.
- Special aluminium profile tubes give the prop its low weight of only 47.0 kg.



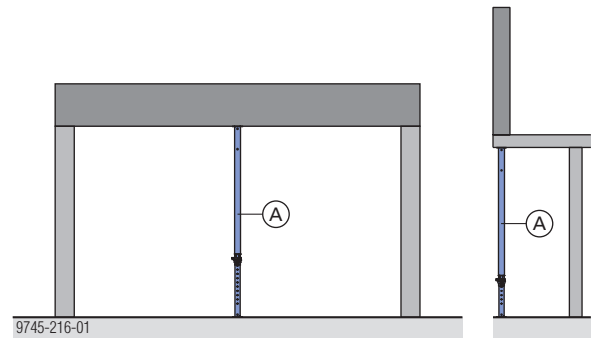
- Can be telescoped in 10 cm increments, with continuous fine adjustment.
- All parts are captively integrated - telescopic tube has anti-dropout safeguard.

Areas of use

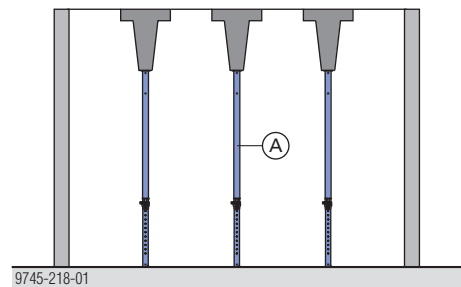
To complement Doka load-bearing towers (plan view)



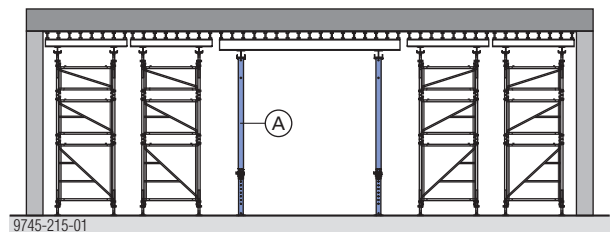
As auxiliary shoring in industrial construction



For shoring prefabricated members



For creating drive-through openings



A Floor prop Eurex 60 550

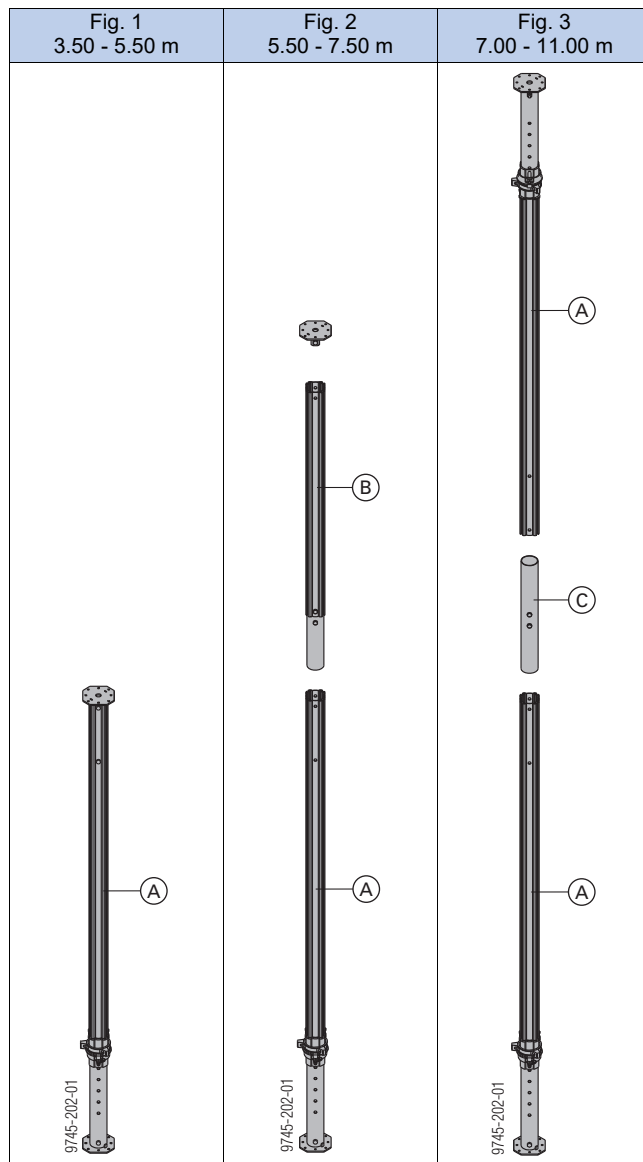
Instructions for assembly and use (Method statement)

Height ranges and lengthening-pieces

Extensions expand the area of application of the Floor prop Eurex 60 550.

Note:

Do not distort the aluminium profile by overtightening (approx. 1 mm play) - the nuts supplied are self-locking.



A Floor prop Eurex 60 550

B Extension Eurex 60 2.00m
(with integrated Coupler Eurex 60)

C Coupler Eurex 60

3.50 - 5.50 m: Floor prop Eurex 60 550 without lengthening-piece (Fig. 1)

5.50 - 7.50 m: Add one Extension Eurex 60 2.00m (Fig. 2)

- ▶ Dismount the headplate from the outer tube of the Eurex 60 550 floor prop and mount it onto the lengthening-piece.
- ▶ Bolt the Extension Eurex 60 2.00 m (with its integral coupler) onto the outer tube.

7.00 - 11.00 m: Couple two Eurex 60 550 floor props together (Fig. 3)

- ▶ Dismount the headplates from the outer tubes of both Eurex 60 550 floor props.
- ▶ Bolt the outer tubes together using the Coupler Eurex 60.

Removable folding tripod 1.20m

- The Removable folding tripod 1.20m is a set-up aid for the Doka floor prop Eurex 60 550 (clamping range on inner tube).
- The tripod's swing-out legs offer flexibility for placement where space is at a premium, for example close to walls and in corners.
- When stowed for transport or storage, the legs are locked in place by the clamping lever.



CAUTION

The removable folding tripod is not a substitute for the bracing necessary for load-bearing towers.

- Use the removable folding tripod as a set-up aid only!

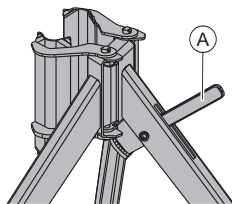


NOTICE

- The set-up procedure described here applies only for use of the Floor prop Eurex 60 550 on its own.
- A crane has to be used to set up a Floor prop Eurex 60 550 with Extension Eurex 60 2.00m or 2 coupled Floor props Eurex 60 550.
- The floor prop has to be set up with the inner tube at the bottom so that the Removable folding tripod 1.20m can be secured.
- Floor prop and Removable folding tripod have to be repositioned separately.
- 2 persons and a working scaffold are needed for set-up and disassembly. Observe the safety rules of the working scaffold!

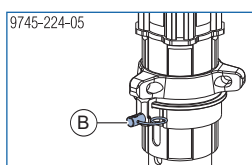
Basic design concept

- Open the clamping lever, set up and position the Removable folding tripod 1.20m.



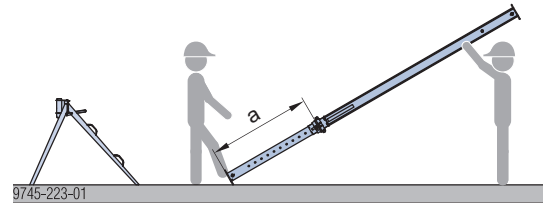
A Clamping lever

- Remove the fastening bolt from the floor prop, extend the floor prop at least 130 cm and re-insert the fastening bolt to secure it at this length.



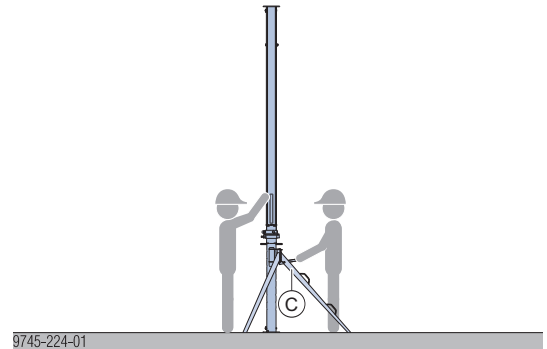
B Fastening bolt 162

- With one foot against the baseplate to prevent slip-page, raise the floor prop upright.



a ... min. 130 cm

- Position the floor prop in the Removable folding tripod 1.20m and secure the tripod to the inner tube with the clamping lever.



C Removable folding tripod 1.20m



Before anyone steps on to the formwork, check again that the props have been correctly secured in the Removable folding tripods 1.20m.



NOTICE

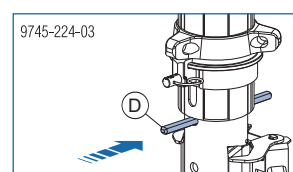
- For extending the floor prop to the desired length, one person stands on the top platform and the other on the bottom platform of the working scaffold.
- Manoeuvre the working platform into position.



CAUTION

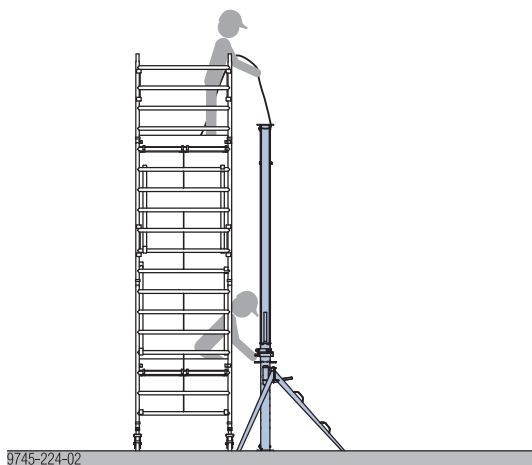
If the floor prop is lowered incorrectly, the clamping unit of the Removable folding tripod 1.20m will loosen.

- Insert a safety pin, e.g. a tie rod 15.0 (site-provided), into the floor prop below the threaded connecting piece and just above the Removable folding tripod 1.20m (diameter of the hole: 21 mm).
- When the fastening bolt has been secured, remove the safety pin.
- The person at the bottom inserts the safety pin.

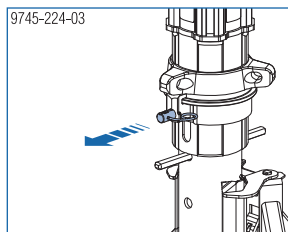


D Safety pin

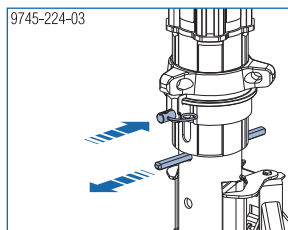
- ▶ The person at the top secures the floor prop, e.g. with a rope looped round the tube underneath the head plate.



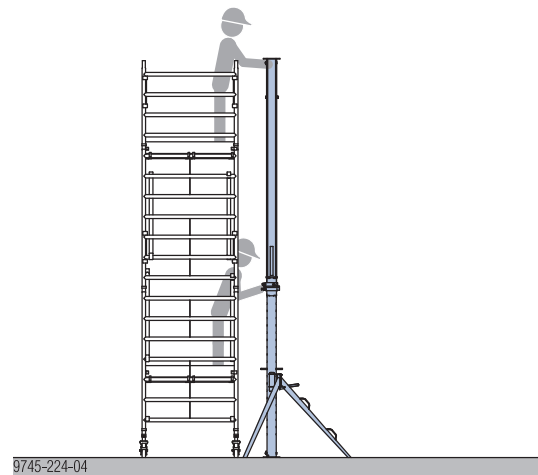
- ▶ The person at the bottom removes the fastening bolt.



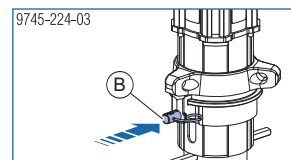
- ▶ The person at the top pulls the floor prop up to extend it to the desired length.
- ▶ The person at the bottom secures the floor prop by re-inserting the fastening bolt and removes the safety pin.



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



The fastening bolt (**B**) must be inserted all the way into the floor prop and secured with its spring pin.



- ▶ Insert U-head or 4-way head Eurex 60 into the floor prop (see the section headed 'Holding primary beams').

Animation: <https://player.vimeo.com/video/504788079>

Removal

- ▶ Manoeuvre the working platform into position.

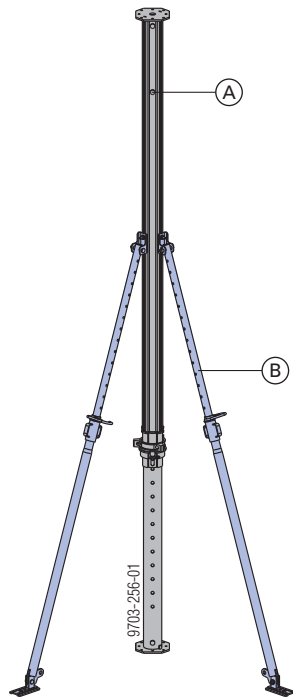


CAUTION

If the floor prop is lowered incorrectly, the clamping unit of the Removable folding tripod 1.20m will loosen.

- ▶ Insert a safety pin, e.g. a tie rod 15.0 (site-provided), into the floor prop below the threaded connecting piece (diameter of the hole: 21 mm).
- ▶ When the fastening bolt has been secured, remove the safety pin.
- ▶ The person at the bottom inserts the safety pin.
- ▶ The person at the top secures the floor prop.
- ▶ The person at the bottom removes the fastening bolt from the floor prop.
- ▶ Lower the floor prop to max. 130 cm extended length and secure it by re-inserting the fastening bolt.
- ▶ The person at the bottom removes the safety pin.
- ▶ Remove the Removable folding tripod 1.20m and lay the floor prop flat.

Plumbing struts



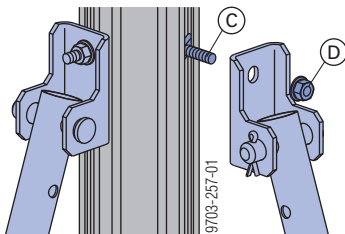
A Deckenstütze Eurex 60 550

B Plumbing strut 340 or 540 IB with Strut shoe EB

Assembly

Fixing a plumbing strut to the floor prop

- Secure Strut shoe EB to the floor prop with hammer-head screw and hexagon nut.



C Hammer-head screw M14x50 (Art. n° 502654040)

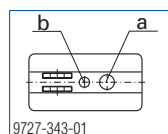
D Hexagon nut DIN 6331 M14 5 galv. (Id. n° 019300)

- Attach at least one more plumbing strut, at an angle of 90° to the first.

Fixing to the ground

- Anchor the plumbing strut to the ground to resist tensile and compressive forces!

Drilled holes in the footplate of the plumbing strut:

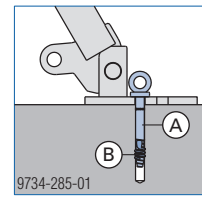


a ... Ø 26 mm

b ... Ø 18 mm (suitable for Doka express anchors)

Anchoring the footplate

The **Doka express anchor** can be re-used many times over.



A Doka express anchor 16x125mm

B Doka coil 16mm

Characteristic cube compressive strength of the concrete ($f_{ck,cube}$):
min. 15 N/mm² (C12/15 grade concrete)



Follow the directions in the 'Doka express anchor 16x125mm' User Information booklet!

Required safe working load of alternative anchors:

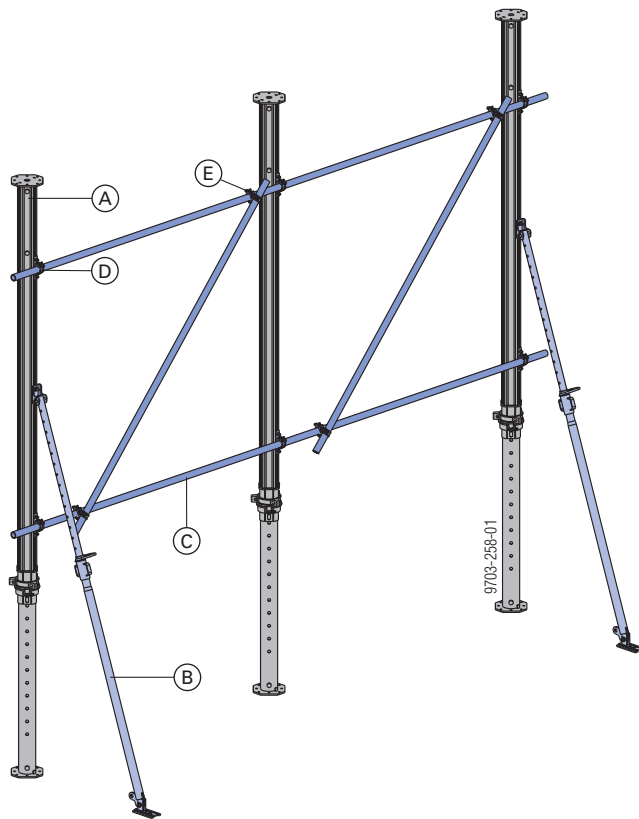
$R_d \geq 20.3 \text{ kN}$ ($F_{\text{permissible}} \geq 13.5 \text{ kN}$)

Follow the manufacturers' applicable fitting instructions.

Floor props Eurex 60 550 lined up in a 'gang'

Practical example

For setting up longitudinal "gangs" of props, e.g. for temporary repropping in the construction of industrial buildings, or for creating drive-through openings, etc. The Eurex 60 550 props are best attached to the scaffolding-tube assembly with the props placed flat on the ground.



- A Floor prop Eurex 60 550
- B Plumbing strut 340 or 540 IB with Strut shoe EB
- C Scaffold tube 48.3mm
- D Swivel coupler Eurex 60
- E Swivel coupler 48mm

Assembly

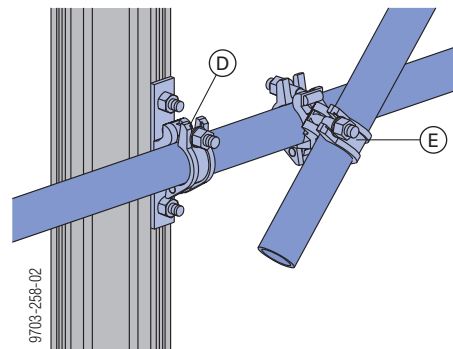
This is best done flat on the ground.

Horizontal bracing

- Fasten a Swivel coupler Eurex 60 to the outer tube (continuously adjustable).
- Use Scaffolding tubes 48.3 mm to interlink the floor props in the horizontal.

Diagonal bracing (every field)

- Using Swivel couplers 1 1/2", attach a Scaffolding tube 48.3 mm across every field, as a diagonal brace.

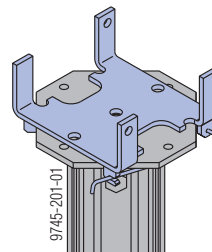


Fixing the plumbing strut

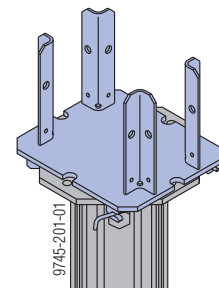
- For details, see the section headed 'Plumbing struts'.

Holding primary beams

U-head Eurex 60 for steel girders (e.g. WS10), squared timbers or formwork beams H20

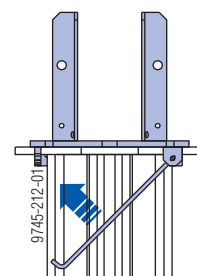


Four-way head Eurex 60 for single or double formwork beams H 20



Assembly

- Place the U-head or four-way head on the prop and fix with spring-steel stirrup.

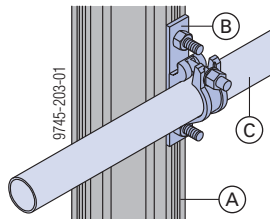


Bracing

Swivel couplers Eurex 60 can be fixed at any height on the outer tube. This means that bracing tubes can be attached wherever needed.

Examples:

- between prop and load-bearing tower frame
- between two or more props
- to facilitate erection of the prop (as a 'handle' for workers to hold onto)



A Floor prop Eurex 60 550

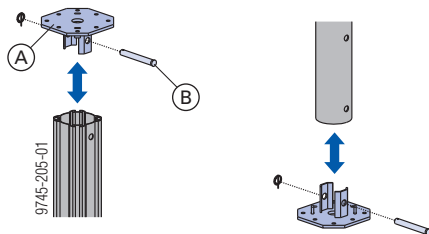
B Swivel coupler Eurex 60

C Scaffolding tube 48.3mm

Converting the Eurex prop





- Remove the baseplates (**A**) to convert a Floor prop Eurex 60 550 into a plumbing strut.
- Attach baseplates with a Fastening bolt 162 and a Spring pin D2.5 (**B**) (not included with product) to convert a Plumbing strut Eurex 60 550 into a floor prop.



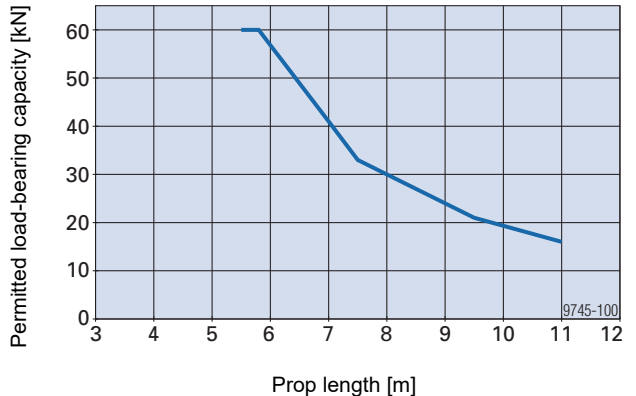
Permitted load-bearing capacity of Eurex 60 550

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

Permitted load-bearing capacity [kN] as a function of the extension length and the position of the outer tube
(prop category T55 to EN 16031)

			
	Position of outer tube	at bottom	at top
Extension length [m]	5.5	61.8	67.0
	5.4	65.0	70.9
	5.3	68.5	74.9
	5.2	72.1	78.6
	5.1	76.0	83.5
	5.0	80.3	88.6
	4.9	84.0	88.9
	4.8	88.9	
	4.7		
	4.6		
	4.5		
	4.4		
	4.3		
	4.2		
	4.1		
	4.0		
	3.9		
	3.8		
3.7			
3.6			
3.5			

Permitted load-bearing capacity [kN] for prop lengths over 5.50 m



The values also apply when the Floor props Eurex 60 550 are used as temporary reshores.

Using as temporary reshores (props restrained)

When Floor props Eurex 60 550 are used as temporary reshores, their permitted load-bearing capacities increase.



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

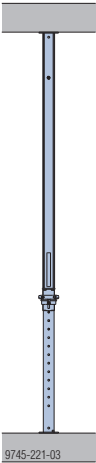
Permitted load-bearing capacity [kN]

Prop length [m]	
5.5	83.9
5.4 to 3.5	88.9

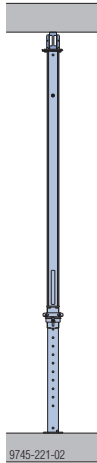
For prop lengths over 5.50 m, the same values from the diagram in the section headed 'Used as free (non-system-dependent) construction props' apply.

Practical examples

With increase
in capacity



Without increase
in capacity

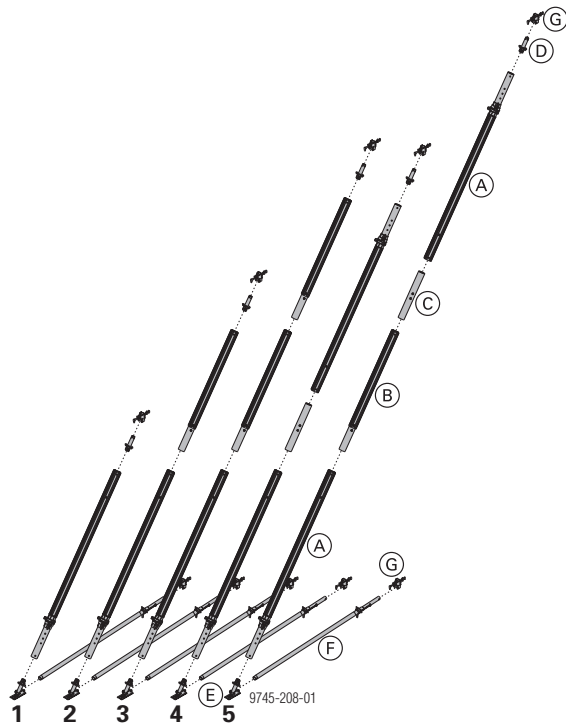


Eurex 60 550 used as a shoring & plumbing accessory

Product description

As the Doka plumbing strut Eurex 60 550 - fitted with the appropriate accessories - this prop can also be used **for shoring high wall formwork**.

- Can be connected directly – without modification – to Doka framed formwork and Doka timber-beam formwork
- The Adjusting strut 540 Eurex 60 IB makes handling much easier, especially when the formwork is being transferred.
- Can be telescoped in 10 cm increments, with continuous fine adjustment.



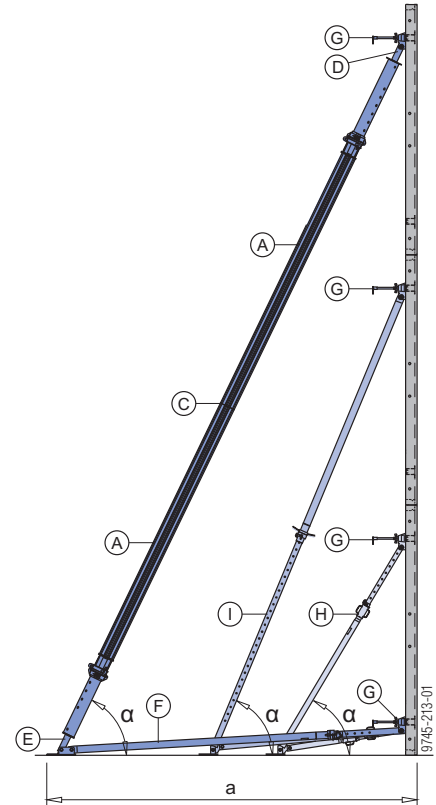
Type	Length extended L [m]	Plumbing strut Eurex 60 550 (A)	Extension Eurex 60 2.00m (B)	Coupler Eurex 60 (C)	Connector Eurex 60 IB (D)	Plumbing strut shoe Eurex 60 EB (E)	Adjusting strut 540 Eurex 60 IB (F)	Prop head EB (G)	Weight [kg]
1	3.79 - 5.89	1	—	—	1	1	1	2	91.1
2	5.79 - 7.89	1	1	—	1	1	1	2	112.4
3	7.79 - 9.89	1	2	—	1	1	1	2	133.7
4	7.22 - 11.42	2	—	1	1	1	1	2	142.5
5	9.22 - 13.42	2	1	1	1	1	1	2	163.8

Note:

Do not distort the aluminium profile by overtightening (approx. 1 mm play) - the nuts supplied are self-locking.

Shoring high panel combinations

Example of a possible combination of Type 4



	a
Framed formwork	339.4 - 580.8 cm
Beam formwork	359.2 - 601.3 cm

A Plumbing strut Eurex 60 550

B Extension Eurex 60 2.00m

C Coupler Eurex 60

D Connector Eurex 60 IB

E Plumbing strut shoe Eurex 60 EB

F Adjusting strut 540 Eurex 60 IB

G Prop head EB

H Panel strut 340 IB

I Panel strut 540 IB

A good rule of thumb here is:

The length of the shoring & plumbing accessory (i.e. the complete Eurex 60 550 plumbing-strut assembly) = the height of the element to be shored.



Refer to the User Information brochure appropriate to the type of formwork in use for details on permissible spacing for shoring and plumbing accessories.

Instructions for assembly and use (Method statement)

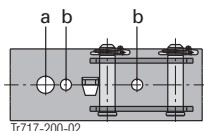


For details on the safe use of plumbing accessories, please refer to the relevant User Information booklets.

Connection with Plumbing strut shoe Eurex 60 EB

- Anchor the plumbing accessories in such a way as to resist tensile and compressive forces!

Holes in plumbing strut shoe Eurex 60 EB:



a ... diam. 28 mm

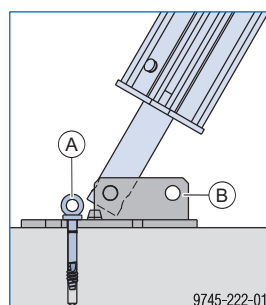
b ... diam. 18 mm (suitable for Doka express anchors)

Anchoring the footplate

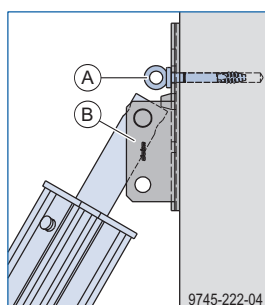
The Plumbing strut shoe Eurex 60 EB can be used for anchoring to the floor slab or to precast concrete members.

The **Doka express anchor** can be re-used many times over.

to floor slab



to precast concrete member



A Doka express anchor

B Baseplate



Follow the directions in the 'Doka express anchor 16x125mm' User information booklet!

Anchored with one dowel (up to 15 kN tensile force)

Characteristic cube compressive strength of the concrete ($f_{ck, cube, current}$):
min. 25 N/mm² (C20/25 concrete)

Required safe working load of alternative anchors for footplates:

- $R_d \geq 30.0$ kN ($F_{permissible} \geq 20.0$ kN) in the diam. 18 mm hole
- $R_d \geq 43.5$ kN ($F_{permissible} \geq 29.0$ kN) in the diam. 28 mm hole

Follow the manufacturers' applicable fitting instructions.

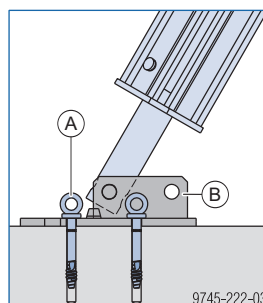
Anchored with two dowels (up to 30 kN tensile force)



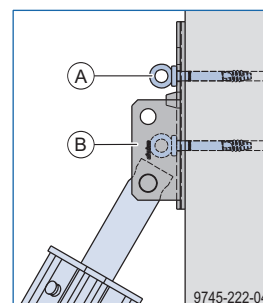
NOTICE

- One dowel must be positioned between the lugs of the footplate.
- Remove the footplate from the plumbing strut for this step.
- After anchoring the footplate, reinstall the Plumbing strut Eurex 60 550 at the position shown.

to floor slab



to precast concrete member



A Doka express anchor

B Baseplate

Characteristic cube compressive strength of the concrete ($f_{ck, cube, current}$):
min. 30 N/mm² (C25/30 grade concrete)

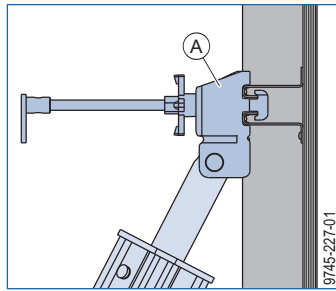
Required safe working load of alternative anchors:

$R_d \geq 30.0$ kN ($F_{permissible} \geq 20.0$ kN)

Follow the manufacturers' applicable fitting instructions.

Connection with Prop head EB

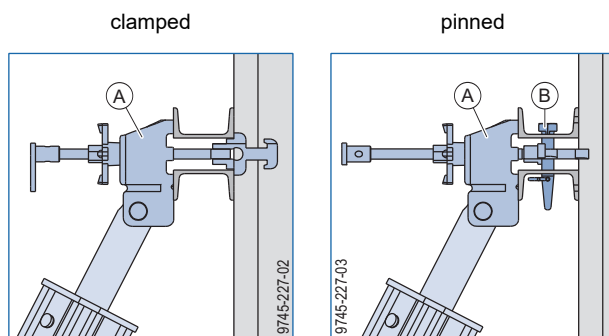
Fixing to framed formwork



A Prop head EB

Permitted load-bearing capacity: 13.5 kN

Fixing to timber-beam formwork

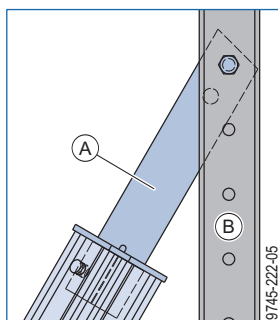


A Prop head EB

B Connecting pin 10cm + Spring cotter 5mm

Permitted load-bearing capacity: 13.5 kN

Connection with Prop head Eurex 60 Top50



A Prop head Eurex 60 Top50

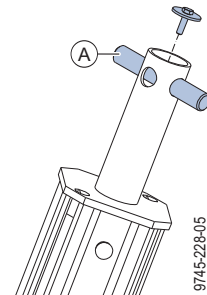
B Multi-purpose waling

Permitted load-bearing capacity: 30 kN

Connection with docking head

When the docking head is used, the docking set has to be secured to the Plumbing strut Eurex 60 550.

Installation of docking set



A Docking set (consisting of docking pin, ISO 4017 hexagon bolt M8x30 8.8 and D40 centring washer)

- Remove the pin and the linch pin of the Connector Eurex 60 IB.
- Insert the docking pin and secure it with the hexagon bolt.

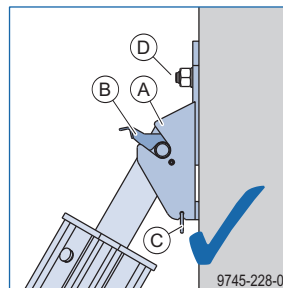
Tightening torque: min. 15 Nm

Fixing to precast concrete member

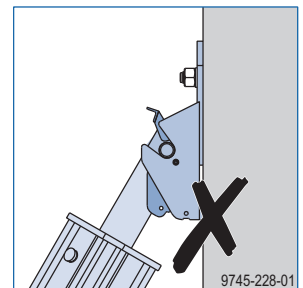


Always make sure that the quick-locking device is correctly closed.

CORRECT



WRONG



A Docking head

B Quick-locking device

C Spring cotter 5mm

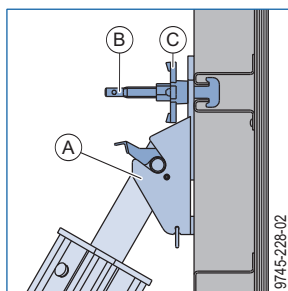
D Fixed on-site, diam. 21 mm hole in Docking head



The quick-locking device can be secured additionally with a Spring cotter 5mm to prevent accidental opening.

Permitted load-bearing capacity: 13.5 kN

Fixing to framed formwork

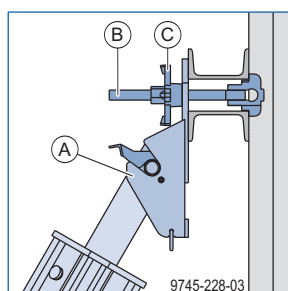


- A** Docking head
- B** Framax clamping bolt 4-8cm
- C** Star grip nut 15.0

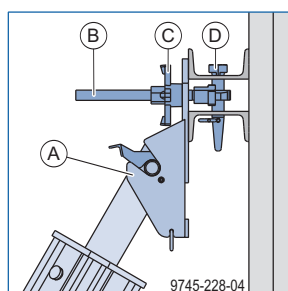
Permitted load-bearing capacity: 13.5 kN

Fixing to timber-beam formwork

clamped



pinned



- A** Docking head
- B** Docking screw
- C** Star grip nut 15.0
- D** Connecting pin 10cm + Spring cotter 5mm

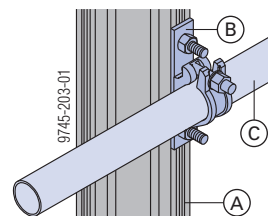
Permitted load-bearing capacity: 13.5 kN

Bracing

Swivel couplers Eurex 60 can be fixed at any height on the outer tube. This means that bracing tubes can be attached wherever needed.

Examples:

- between two or more props
- to facilitate erection of the prop (as a "handle" for workers to hold onto)

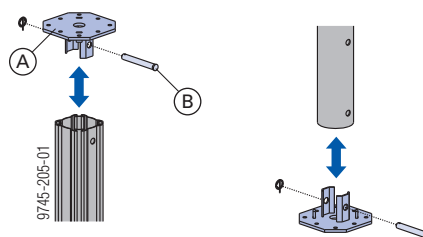


- A** Floor prop Eurex 60 550
- B** Swivel coupler Eurex 60
- C** Scaffolding tube 48.3mm

Converting the Eurex prop

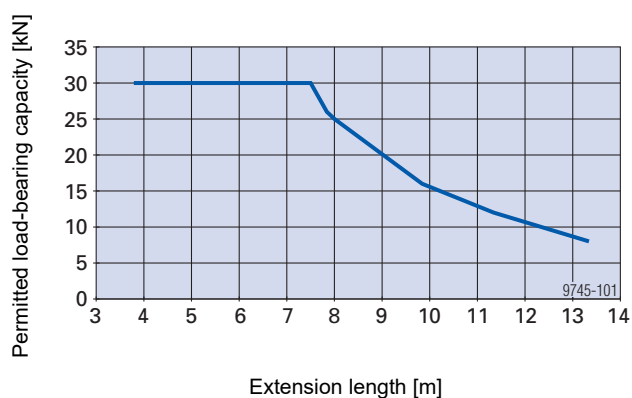


- Remove the baseplates (**A**) to convert a Floor prop Eurex 60 550 into a plumbing strut.
- Attach baseplates with a Fastening bolt 162 and a Spring pin D2.5 (**B**) (not included with product) to convert a Plumbing strut Eurex 60 550 into a floor prop.



Permitted load-bearing capacity of Eurex 60 550

Permitted load-bearing capacity [kN] of Eurex 60 550 (compressive force)*



* 15 kN tensile force at any extension length

30 kN tensile force at any extension length and when anchored with 2 dowels

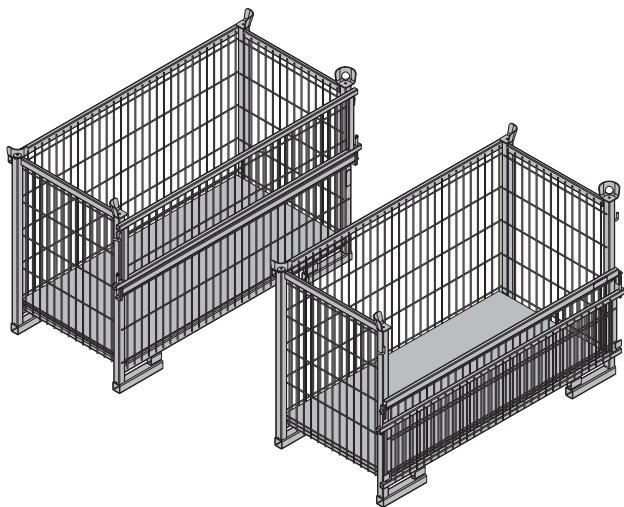
General

Transporting, stacking and storing

Utilise the benefits of Doka multi-trip packaging on your site.

Multi-trip packaging such as containers, stacking pallets and skeleton transport boxes keep everything in place on the site, minimise time wasted searching for parts, and streamline the storage and transport of system components, small items and accessories.

Doka skeleton transport box 1.70x0.80m



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

Permitted load-bearing capacity: 700 kg (1540 lbs)
Permitted imposed stacking load: 3150 kg (6950 lbs)

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.

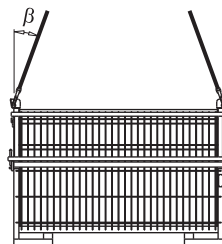
Using Doka skeleton transport boxes 1.70x0.80m as transport devices

Lifting by crane



NOTICE

- Multi-trip packaging items must be lifted individually.
- Only lift the boxes when their sidewalls are closed!
- Use suitable lifting chains:
 - e.g. Doka 4-part chain 3.20m
 - Do not exceed the permitted working load limit of the lifting chains.
- Sling angle β max. 30°!



9234-203-01

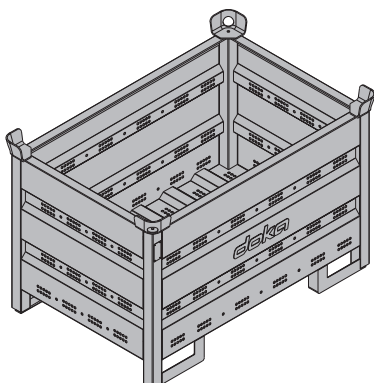
Repositioning by forklift truck or pallet stacking truck

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

Doka multi-trip transport box

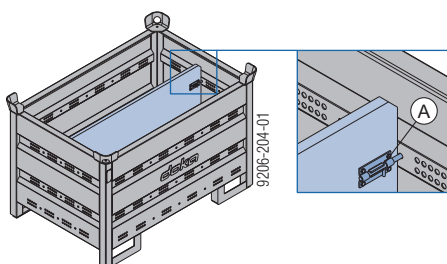
Storage and transport device for small items

Doka multi-trip transport box 1.20x0.80m



Permitted load-bearing capacity: 1500 kg (3300 lbs)
Permitted imposed stacking 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

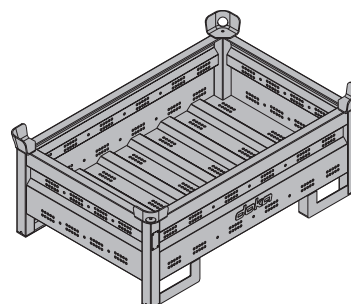
Possible ways of dividing the box

Multi-trip transport box partition	in the longitudinal direction	in the transverse direction
1.20 m	max. 3	-
0.80 m	-	max. 3

9206-204-02

9206-204-03

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



Permitted load-bearing capacity: 750 kg (1650 lbs)
Permitted imposed stacking load: 7200 kg (15870 lbs)

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

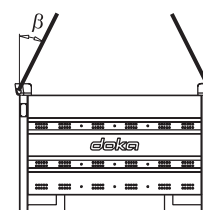
Using Doka multi-trip transport boxes as transport devices

Lifting by crane



NOTICE

- Multi-trip packaging items must be lifted individually.
- Use suitable lifting chains:
 - e.g. Doka 4-part chain 3.20m
 - Do not exceed the permitted working load limit of the lifting chains.
- Sling angle β max. 30°!



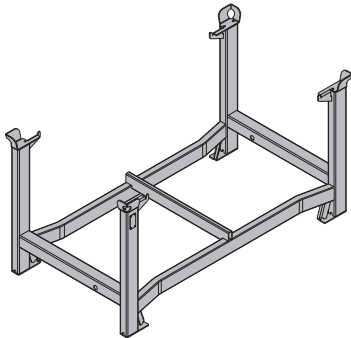
9206-202-01

Repositioning by forklift truck or pallet stacking truck

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

Doka stacking pallet 1.55x0.85m and 1.20x0.80m

Storage and transport device for long items.



Permitted load-bearing capacity: 1100 kg (2420 lbs)
Permitted imposed stacking load: 5900 kg (13000 lbs)

Using Doka stacking pallets 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	6
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.
- How to use with Bolt-on castor set B:**
 - Always apply the fixing brake when the container is 'parked'.
 - When Doka stacking pallets are stacked, the bottom pallet must NOT be one with a bolt-on castor set mounted to it.

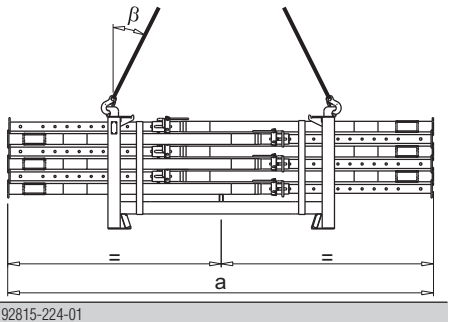
Using Doka stacking pallets as transport devices

Lifting by crane



NOTICE

- Multi-trip packaging items must be lifted individually.
- Use suitable lifting chains:
 - e.g. Doka 4-part chain 3.20m
 - Do not exceed the permitted working load limit of the lifting chains.
- Load the items centrally.
- Fasten the load to the stacking pallet (e.g. with strapping tape or lashing strap) so that it cannot slide or tip out.
- Sling angle β max. 30°!



92815-224-01

	a
Doka stacking pallet 1.55x0.85m	max. 4.5 m
Doka stacking pallet 1.20x0.80m	max. 3.0 m

Repositioning by forklift truck or pallet stacking truck

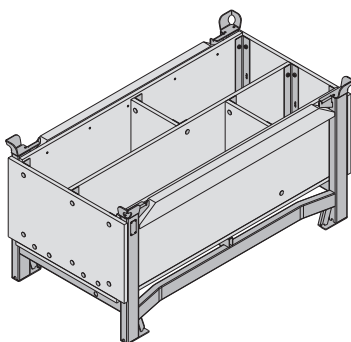


NOTICE

- Load the items centrally.
- Fasten the load to the stacking pallet (e.g. with strapping tape or lashing strap) so that it cannot slide or tip out.

Doka accessory box

Storage and transport device for small items.



Permitted load-bearing capacity: 1000 kg (2200 lbs)
Permitted imposed stacking load: 5530 kg (12190 lbs)

Doka accessory boxes 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%
3	6
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.
- How to use with Bolt-on castor set B:**
 - Always apply the fixing brake when the container is 'parked'.
 - When Doka stacking pallets are stacked, the bottom pallet must NOT be one with a bolt-on castor set mounted to it.

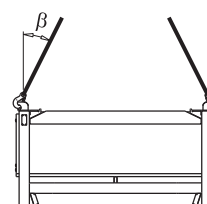
Doka accessory box as transport devices

Lifting by crane



NOTICE

- Multi-trip packaging items must be lifted individually.
- Use suitable lifting chains:
 - e.g. Doka 4-part chain 3.20m
 - Do not exceed the permitted working load limit of the lifting chains.
- When lifting units to which Bolt-on castor sets B have been attached, you must also follow the directions in the 'Bolt-on castor set B' User information booklet!
- Sling angle β max. 30°!



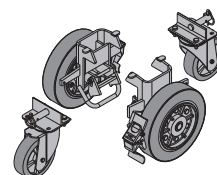
92816-206-01

Repositioning by forklift truck or pallet stacking truck

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

Bolt-on castor set B

The Bolt-on castor set B turns multi-trip packaging items into fast and manoeuvrable transport devices. Suitable for drive-through access openings > 90 cm.


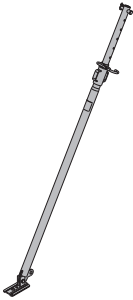

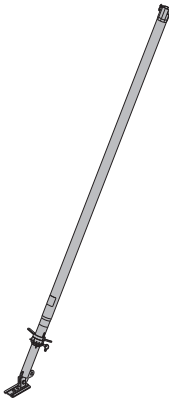
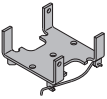

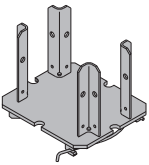

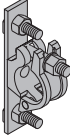





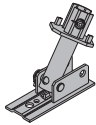

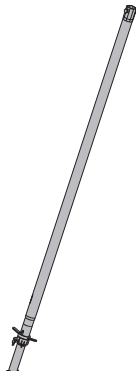

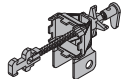





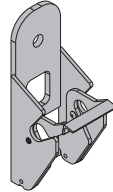

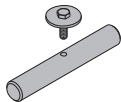

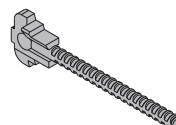








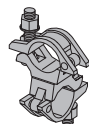

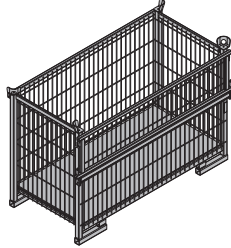
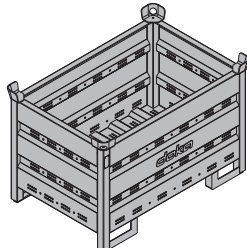
The Bolt-on castor set B can be mounted to the following multi-trip packaging items:

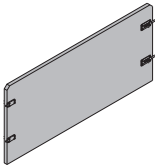
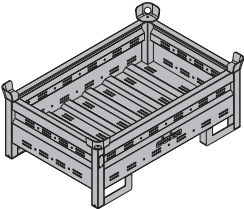
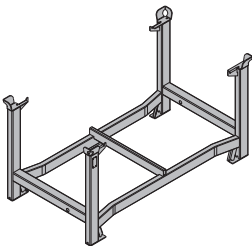
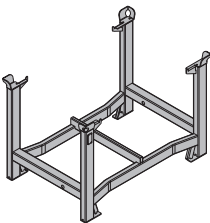
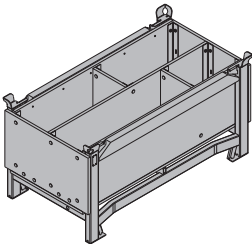
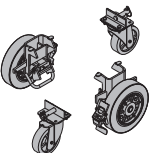
- Doka accessory box
- Doka stacking pallets
- Protective barrier Z pallets



Follow the directions in the 'Bolt-on castor set B' User Information booklet!

	[kg]	Article N°		[kg]	Article N°
Doka floor prop Eurex 60 550 Doka-Deckenstütze Eurex 60 550  Aluminium Length: 345 - 555 cm	47.0	582650000	Plumbing strut 340 IB Justierstütze 340 IB  Galvanised Length: 190.8 - 341.8 cm	16.7	588696000
Extension Eurex 60 2.00m Verlängerung Eurex 60 2,00m  Powder-coated blue Aluminium Length: 250 cm	21.3	582651000	Plumbing strut 540 IB Justierstütze 540 IB  Galvanised Length: 310.5 - 549.2 cm	30.7	588697000
U-head Eurex 60 Gabelkopf Eurex 60  Galvanised Length: 22 cm Width: 20 cm Height: 12 cm	2.9	582656000	Strut shoe EB Strebenschuh EB  Galvanised Width: 8 cm Height: 13 cm	0.93	588946000
4-way head Eurex 60 Vierwegkopf Eurex 60  Galvanised Length: 25 cm Width: 21 cm Height: 21 cm	4.5	582655000	Plumbing strut Eurex 60 550 Justierstütze Eurex 60 550  Powder-coated blue Aluminium Length: 343 - 553 cm	42.5	582658000
Swivel coupler 48mm Eurex 60 Drehkupplung 48mm Eurex 60  Galvanised Width-across: 22 mm	1.0	582654000	Coupler Eurex 60 Kupplungsstück Eurex 60  Aluminium Length: 100 cm Diameter: 12.8 cm	8.6	582652000
Removable folding tripod 1.20m Stützbein 1,20m  Galvanised Height: 120 cm Delivery condition: folded closed	20.7	586145000	Connector Eurex 60 IB Verbindungsstück Eurex 60 IB  Galvanised Length: 15 cm Width: 15 cm Height: 30 cm	4.2	582657500

	[kg]	Article N°		[kg]	Article N°
Plumbing strut shoe Eurex 60 EB Justierstützenfuß Eurex 60 EB  Galvanised Length: 31 cm Width: 12 cm Height: 33 cm	8.0	582660500	Framax clamping bolt 4-8cm Framax-Klemmschraube 4-8cm  Galvanised Length: 19 cm	0.39	588107000
Adjusting strut 540 Eurex 60 IB Justierstrebe 540 Eurex 60 IB  Galvanised Length: 303.5 - 542.2 cm	27.8	582659500	Star grip nut 15.0 G Sternmutter 15,0 G  Galvanised Width: 10 cm Height: 5 cm Width-across: 27 mm	0.43	587544000
Prop head EB Stützenkopf EB  Galvanised Length: 40.8 cm Width: 11.8 cm Height: 17.6 cm	3.1	588244500	Scaffold tube 48.3mm 0.50m Gerüstrohr 48,3mm  Galvanised	1.7	682026000
Prop head Eurex 60 Top50 Stützenkopf Eurex 60 Top50  Galvanised Height: 50 cm	7.1	582665000	Scaffold tube 48.3mm 1.00m Gerüstrohr 48,3mm  Galvanised	3.6	682014000
Doka express anchor 16x125mm Doka-Expressanker 16x125mm  Galvanised Length: 18 cm	0.31	588631000	Scaffold tube 48.3mm 1.50m Gerüstrohr 48,3mm  Galvanised	5.4	682015000
Docking head Andockkopf  Galvanised Length: 29.5 cm	3.3	588690000	Scaffold tube 48.3mm 2.00m Gerüstrohr 48,3mm  Galvanised	7.2	682016000
Docking set Andockset  Galvanised Length: 16 cm	0.66	588694000	Scaffold tube 48.3mm 2.50m Gerüstrohr 48,3mm  Galvanised	9.0	682017000
Docking screw Andockschraube  Galvanised Length: 30.5 cm	0.6	588698000	Scaffold tube 48.3mm 3.00m Gerüstrohr 48,3mm  Galvanised	10.8	682018000
			Scaffold tube 48.3mm 3.50m Gerüstrohr 48,3mm  Galvanised	12.6	682019000
			Scaffold tube 48.3mm 4.00m Gerüstrohr 48,3mm  Galvanised	14.4	682021000
			Scaffold tube 48.3mm 4.50m Gerüstrohr 48,3mm  Galvanised	16.2	682022000
			Scaffold tube 48.3mm 5.00m Gerüstrohr 48,3mm  Galvanised	18.0	682023000
			Scaffold tube 48.3mm 5.50m Gerüstrohr 48,3mm  Galvanised	19.8	682024000
			Scaffold tube 48.3mm 6.00m Gerüstrohr 48,3mm  Galvanised	21.6	682025000
			Scaffold tube 48.3mmm Gerüstrohr 48,3mm  Galvanised	3.6	682001000
			Swivel coupler 48mm Drehkupplung 48mm  Galvanised Width-across: 22 mm	1.5	582560000
			Normal coupler 48mm Normalkupplung 48mm  Galvanised Width-across: 22 mm	1.2	682004000
			Multi-trip packaging		
			Doka skeleton transport box 1.70x0.80m Doka-Gitterbox 1,70x0,80m  Galvanised Height: 113 cm	87.0	583012000
			Doka multi-trip transport box 1.20x0.80m Doka-Mehrwegcontainer 1,20x0,80m  Galvanised Height: 78 cm	70.0	583011000

	[kg]	Article N°		[kg]	Article N°
Multi-trip transport box partition 0.80m Multi-trip transport box partition 1.20m Mehrwegcontainer Unterteilung	3.7 5.5	583018000 583017000			
 Steel parts galvanised Timber parts varnished yellow					
Doka multi-trip transport box 1.20x0.80x0.41m Doka-Mehrwegcontainer 1,20x0,80x0,41m	42.5	583009000			
 Galvanised					
Doka stacking pallet 1.55x0.85m Doka-Stapelpalette 1,55x0,85m	41.0	586151000			
 Galvanised Height: 77 cm					
Doka stacking pallet 1.20x0.80m Doka-Stapelpalette 1,20x0,80m	38.0	583016000			
 Galvanised Height: 77 cm					
Doka accessory box Doka-Kleinteilebox	106.4	583010000			
 Timber parts varnished yellow Steel parts galvanised Length: 154 cm Width: 83 cm Height: 77 cm					
Bolt-on castor set B Anklemm-Radsatz B	33.6	586168000			
 Painted blue					

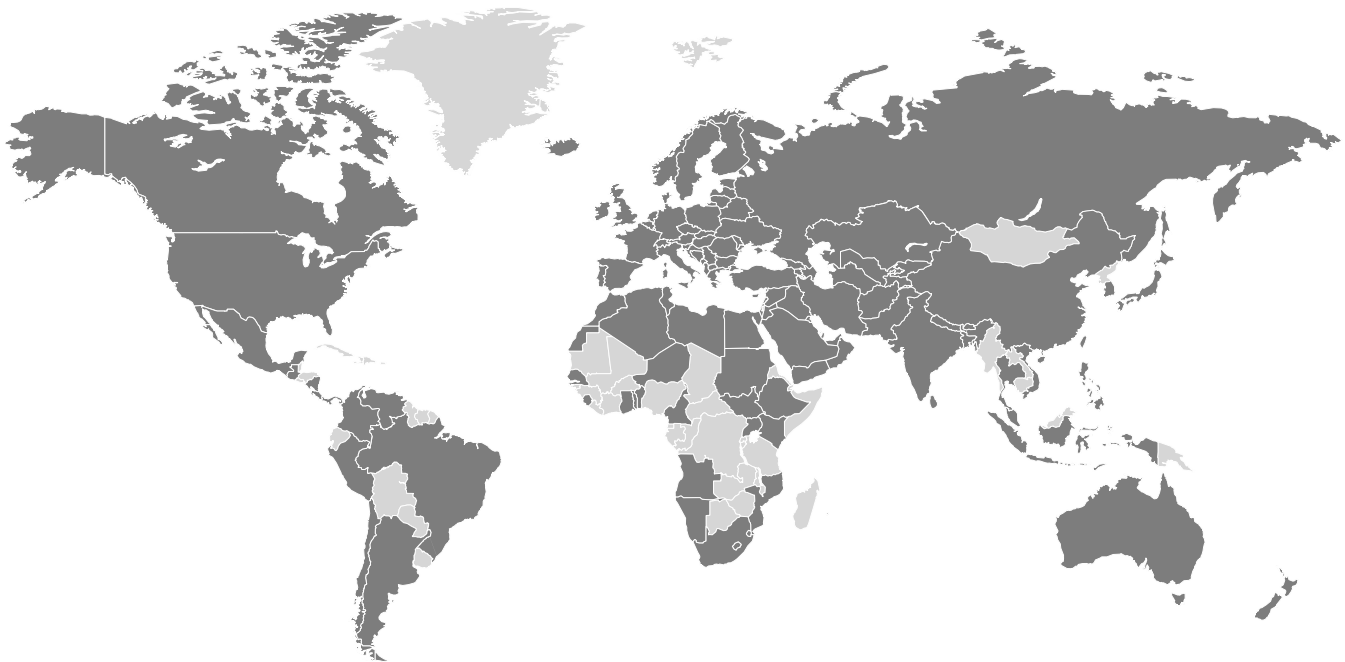
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