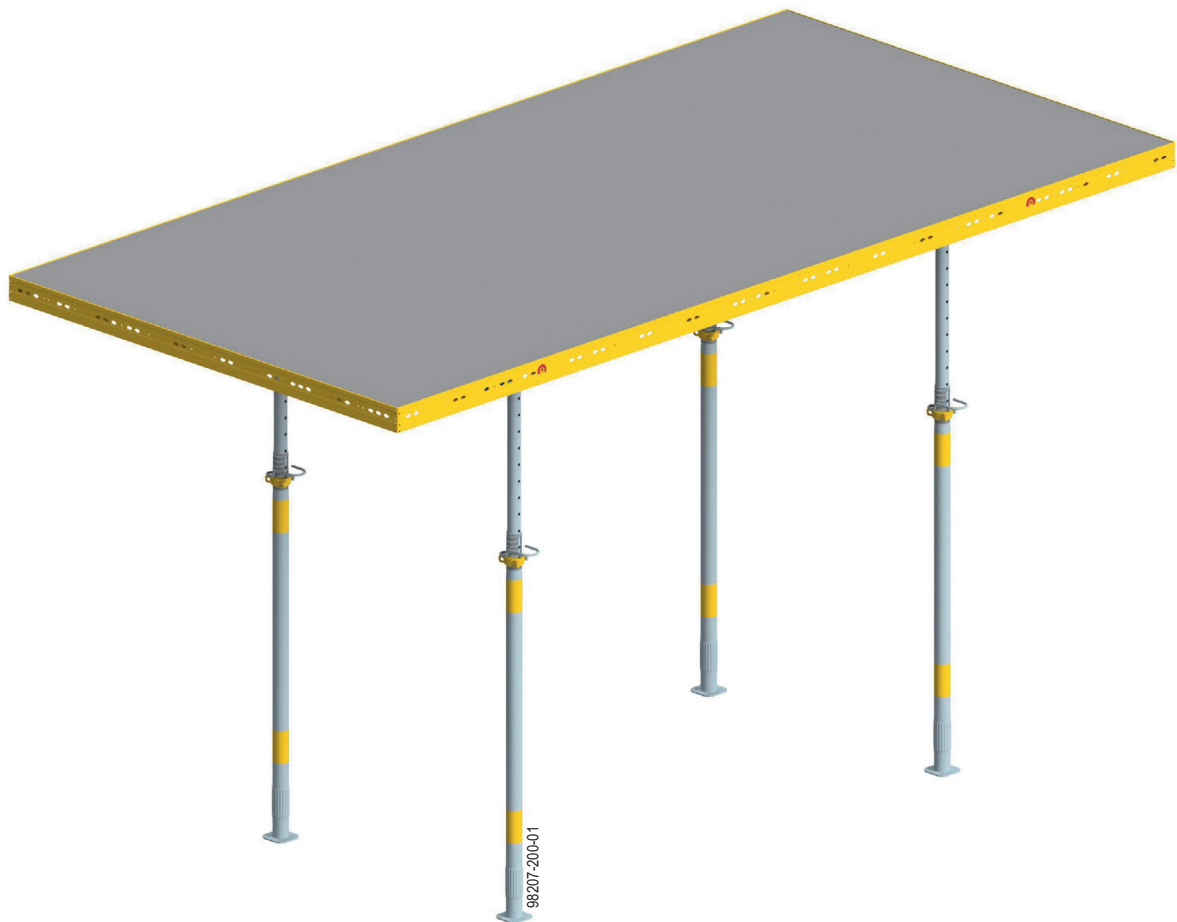


DokaXdek table

User Information

Instructions for assembly and use (Method statement)



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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.

Intended use

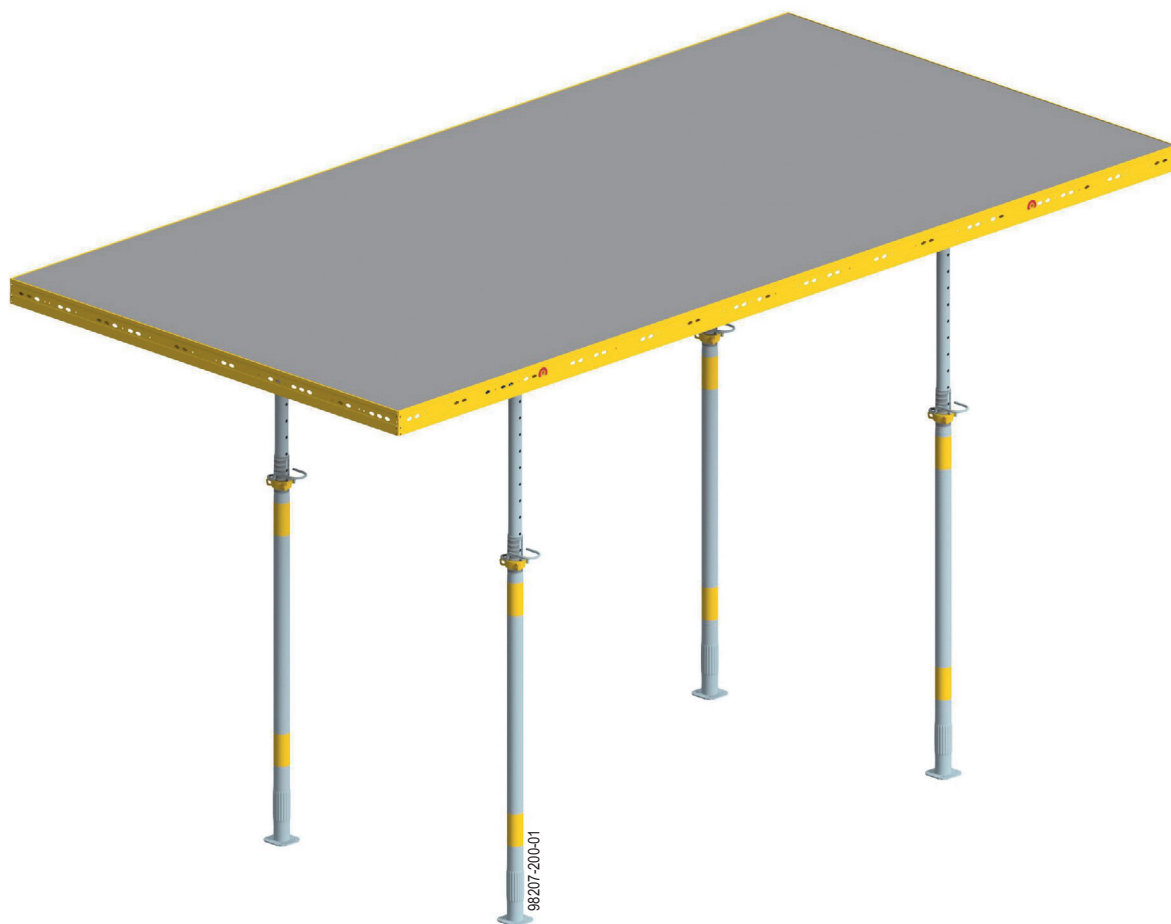
DokaXdek table is a formwork system for the production of slabs in cast-in-place concrete construction. DokaXdek table is designed for setting up formwork using a crane and industrial truck.

Boundary conditions for use:

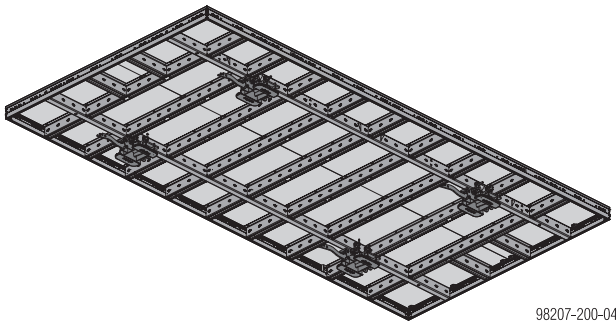
- Max. slab thickness: 108 cm
- Max. room height: 7.15 m

In special cases, boundary conditions can vary. The relevant information in the Doka technical documents must be observed.

Other use or use not in conformity with that stated above is non-intended use and requires the prior written approval of the Doka company!



DokaXdek table in detail



98207-200-04

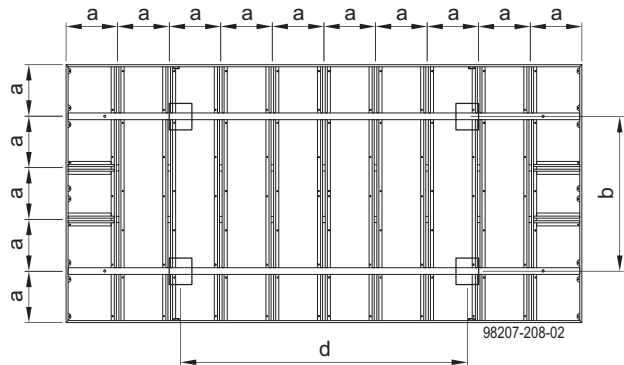
The logical system grid allows any combination of DokaXdek tables in the longitudinal and transverse directions.

As-delivered condition variants:

- **Including** 4 pre-installed DokaXdek swivel heads and 8 Safety pins D20 195 (e.g. DokaXdek table 2.50x5.00m)
- **Excluding** DokaXdek swivel heads and Safety pins D20 195 (e.g. DokaXdek table 2.50x5.00m **ES**)

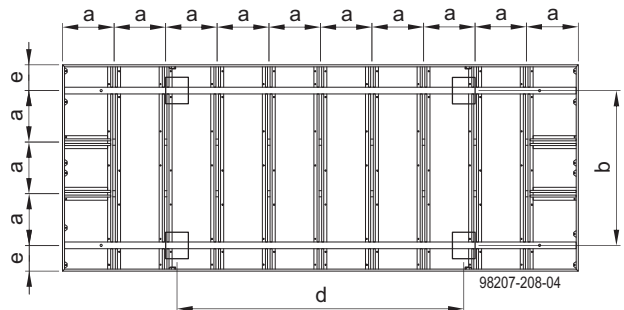
System dimensions

DokaXdek table 2.50x5.00m



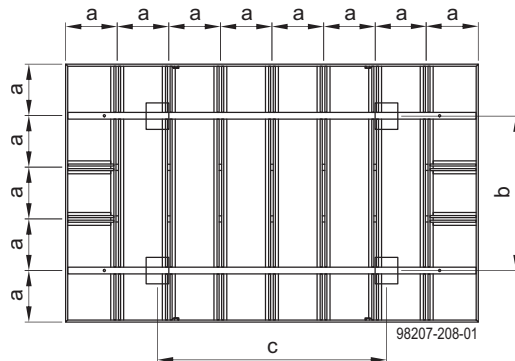
98207-208-02

DokaXdek table 2.00x5.00m



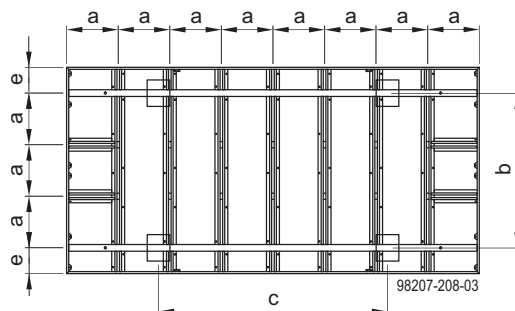
98207-208-04

DokaXdek table 2.50x4.00m



98207-208-01

DokaXdek table 2.00x4.00m



98207-208-03

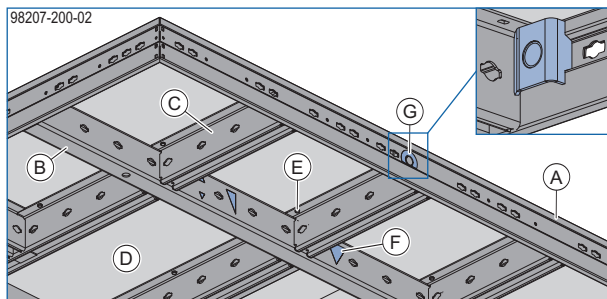
- a ... 50 cm
- b ... 150 cm
- c ... 225 cm
- d ... 275 cm
- e ... 25 cm

DokaXdek frame

- Sturdy frame, primary and function profiles (overall height: 12.3 cm)
- Easy to clean, thanks to cathodic dip paint finish
- Hot-dip galvanised for long life
- Edge protection for Xlife sheets
- Cross-holes for bolting tables together
- Four integral lifting points (marked red) on the table long sides for repositioning by crane
- Triangular markers as positioning aid for DokaXdek swivel heads
- Universal connectability is ensured by the system-compatible increment-grid of the drilled holes
- Easy attachment of the accessories in the integrated waling system

Note:

The horizontal connection of wall formwork panels to the DokaXdek table is prohibited!



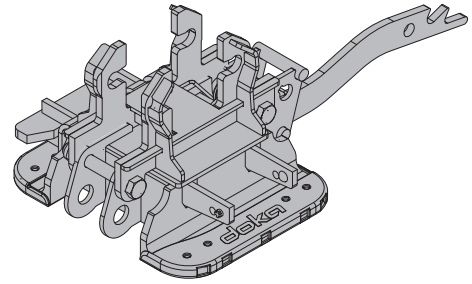
- A Frame profile
- B Primary profile
- C Function profile
- D Xlife sheet 18mm
- E Bolt
- F Triangular markings
- G Lifting point for transport bolt (close-up view from inside)

Xlife sheets

The Xlife sheet ensures high numbers of repeat use, it is less prone to damage and gives a superb concrete finish every time.

- High quality concrete finish
- Less touching-up needed
- Less cleaning - the Xlife sheet can be cleaned using a high-pressure spray cleaner
- The sheeting is screwed on from the back, preventing rivet impressions in the concrete and making cleaning easier

DokaXdek swivel head



- Easy installation on the DokaXdek primary profile or function profile with 2 safety pins (not included with product) (see section [Installing swivel head and prop connection T](#)).
- Floor props are quick to connect, with wedge-clamped joint (hammer-operated).
- Wedge is fixed in transport position by integrated spring lock.
- The flexurally rigid connection to the superstructure increases the load-bearing capacity of the floor props.
- Swivel-mounted floor props, lockable at 80° and 90° (lift-out positions).
- Swivel head latch can be operated from ground level.
- Holes drilled for diagonal tie-backs on edge tables.
- The DokaXdek swivel head can remain on the table when stacking tables for transport by truck (max. 10 tables).
- Plastic cover protects the form-facing on stacked tables.
- As an alternative to the swivel head, the DokaXdek prop connection T can also be used (see section [Installing swivel head and prop connection T](#)).
- For details of the permissible load-bearing capacities, see section [Structural design](#).

Doka floor prop



- Telescopic steel prop.
- Is intended for use as a vertical prop for temporary works.
- Corresponds to the load classes in accordance with EN 1065.
- National Technical Approval issued by the DIBt (German Institute of Construction Engineering).
- Compatible floor props:
 - Floor prop Eurex top
 - Floor prop Eurex eco
 - Floor prop Eurex basic
 - Floor prop Eurex LW
- For details of the permissible load-bearing capacities, see section [Structural design](#).



Follow the directions in the relevant User Information booklet!



WARNING

- The use of Floor props Eurex 20 top 700 in Doka tableforms is prohibited!
- For these heights, use Floor props Eurex 30 top 550 in conjunction with table frames 1.50m.



WARNING

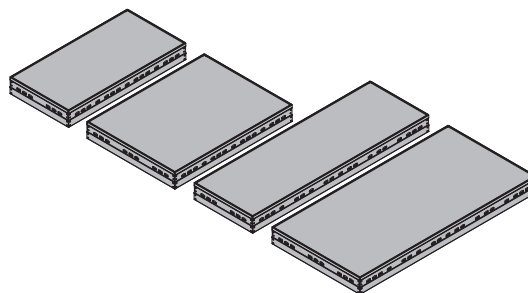
- Use with the Floor prop extension 0.50m is prohibited!



WARNING

- Props of a uniform type must be used in the typical zone and closure zone and when DokaXdek tables are combined with Dokaflex.

DokaXdek table panels



For construction of closures and edge tables.

- Sturdy frame and function profiles (overall height: 12.3 cm) also serve as edge protection for the Xlife sheet.
- Cross-holes for bolting together tables and table panels with Centring connectors 15.0 and Centring nuts 15.0.
- Universal connectability is ensured by the system-compatible increment-grid of the drilled holes.
- Easy attachment of the accessories in the integrated waling system.

Available formats:

- 0.50x1.00m
- 0.75x1.00m
- 0.50x1.50m
- 0.75x1.50m

Instructions for assembly and use (Method statement)

Schematic sequence of operations

DokaXdek tables can cover a wide area of practical applications.

Their flexible design enables them to be combined in very versatile ways.

This means that in some projects, they will be put together differently and a sequence of operations differing from the schematic sequence shown here might be needed (e.g. sloping slabs).



WARNING

- DokaXdek tables with floor props may only be used up to a max. inclination of the slab of 2%.
- If the slab inclination is >2%, then a separate structural-design appraisal is needed, and the necessary additional precautions (e.g. bracing) must be defined.
- Never place tables with floor props on top of one another.
- Horizontal stability must be ensured (e.g. by bracing the edge tables, by fixing the tables to the structure, by joining them into one continuous forming area).
- Before anybody steps onto the surface of the formwork, its stability must be ensured (e.g. by tie-backs or plumbing struts).
- Prerequisites for placing loads on the floor formwork, e.g. beams, formwork sheets, reinforcement:
 - Assembly has been completed according to plan (all intermediate props in place)
 - Sufficient stability
 This also applies to loads deposited for short periods, e.g. stacks of panels.
- The transfer of horizontal loads during pouring must be ensured by other measures (e.g. by transferring these loads into the structure or by bracing). Follow the instructions in the section headed [Tie-back solutions](#).

Note:

All necessary traffic routes must be prepared at the site!



WARNING

Risk of falling at open edges!

- The crew must use personal fall-arrest systems (e.g. safety harnesses) until all fall protection has been installed.
- Suitable attachment points must be defined by an approved person appointed by the contractor.



The FreeFalcon mobile fall protection mast permits a secure attachment point to be created for the safety harness.



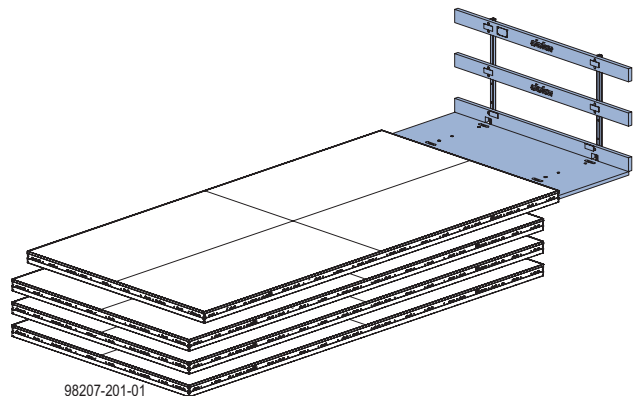
User instruction prior to use of the FreeFalcon is mandatory. Follow the directions in the 'FreeFalcon' Operating Instructions!

Repositioning Doka tableforms

- For offloading tables from a truck, or repositioning whole table stacks on-site, use the Dokamatic lifting strap 13.00m or Framax transport bolt. See the section headed [Transporting, stacking and storing](#).

Pre-assembly

- Install swivel heads, if they are not already pre-installed on the DokaXdek tables (see the section headed [Installing swivel head](#)).
- Also pre-install the table platforms and fall protection for edge tables while the tables are still on the stack (see the section headed [Edge tables](#)).



Closing the formwork

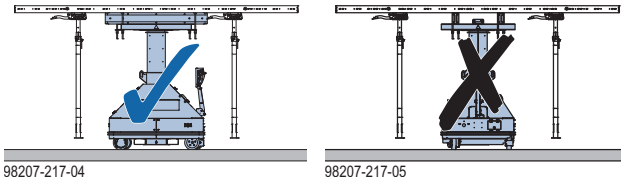


WARNING

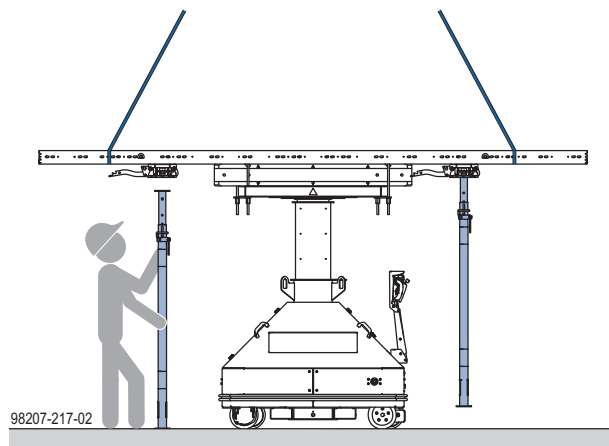
Risk of tipping over!

- Move tables with DoKart plus in the longitudinal direction only!

The distribution beams on the DoKart run parallel with the long side of the table.



- Use Dokamatic lifting strap 13.00m to lift the table superstructure onto the DoKart plus, or onto a suitable temporary reshore (see the sections headed [Transporting, stacking and storing](#) and [Repositioning](#)).
- If necessary, adjust the position and number of swivel heads accordingly (see the section headed [Adapting to the slab thickness](#)).
- Install floor props (see the section headed [Installing the floor props](#)).

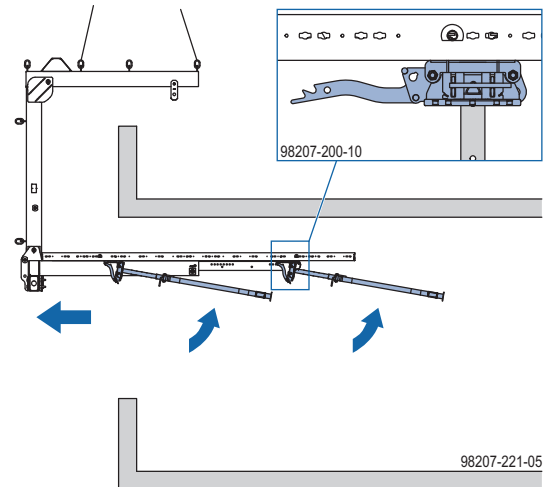


Install very long floor props in the swivelled position of the swivel head.



NOTICE

- Always position the tables so that the swivel head latch points towards the edges of the floor-slabs (in the direction in which the tables will later be removed).



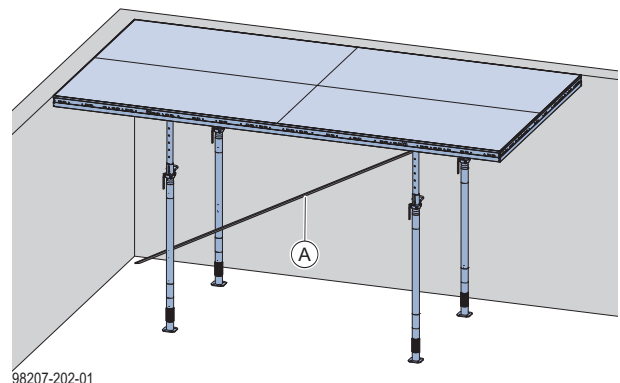
- Bring the table to its usage location using the Dokamatic lifting strap 13.00m, the Framax transport bolt or the DoKart plus. Then raise it to its intended operational height, extend the floor props, and adjust the height. If possible, start by putting up the first table in one corner of the building.
- Line and level the DokaXdek tables (see the section headed [Lining-and-levelling the DokaXdek tables](#)).



CAUTION

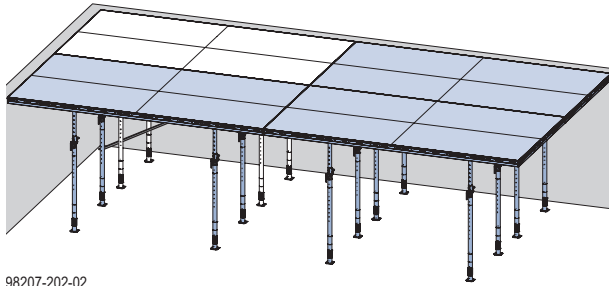
Risk of tipping over if floor props are extended to different lengths!

- Before setting down the table, make sure that all the floor props are extended to the same length.
- Fix the first table to the structure (e.g. with braces, Lashing strap 5.00m or in-place solutions using e.g. the tie-holes in the wall).



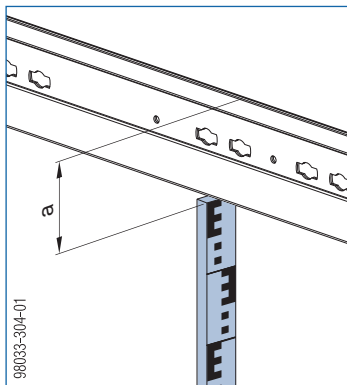
A Lashing strap 5.00m

- Bring further tables to the usage location in the same way and connect the tables to each other (see the section headed [Adapting to the layout](#)).



Levelling the formwork

- Level the tableforms at room height minus 12.3 cm.



a ... 12.3 cm (frame profile height of the DokaXdek tables)

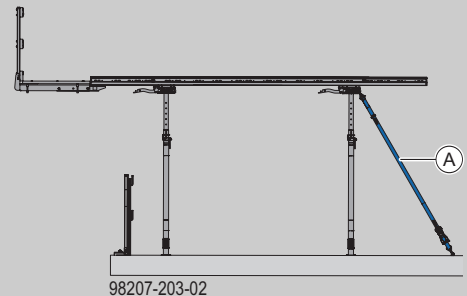
Installing fall protection



CAUTION

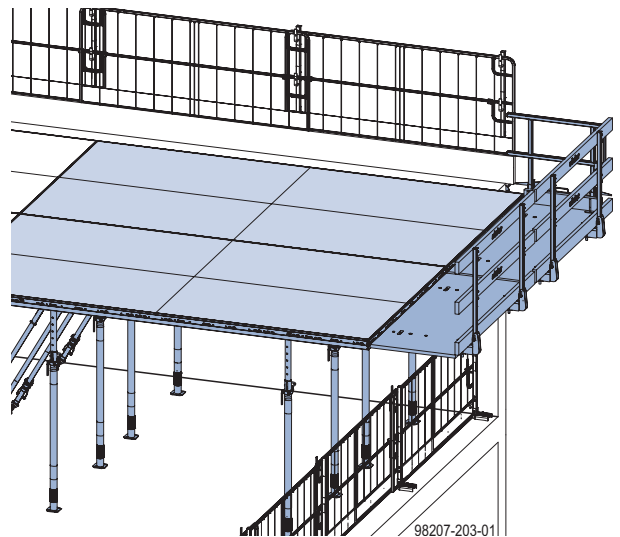
Risk of tipping over with edge tables or tables with accessories installed (e.g. due to cantilevering platforms, edge props that have been relocated towards the inside, slab stop-ends, table panels, drop beams)!

- Secure all edge tables **by tying back (A)** every primary beam in the inner cantilever zone of the table.
- Do not release tables from the shifting device until tip-up protection has been installed, e.g. attachment to the structure with bracings or supports.
- Applies also when tables are set down and put into temporary storage.



For details of the tie-back, see the section headed [Tie-back solutions](#).

- Put up edge tables (see the section headed [Edge tables](#)).
- Install fall protection (see the section headed [Fall protection on the structure](#)).



Before pouring

- Form the closure zones (see the section headed [Adapting to the layout](#)).
- Form the slab stop-ends (see the section headed [Edge shuttering](#)).
- Spray the formwork sheeting with release agent (see the section headed [Release agents](#)).
- Place the reinforcement.

Pouring

- Before the concrete is poured, recheck all the floor props and swivel heads.



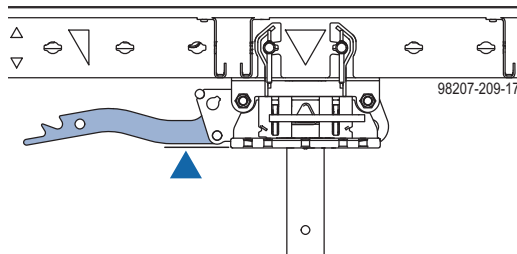
- The fastening clamp **(A)** has to be pushed all the way into the floor prop.
- Adjusting nut **(B)** has to be tightened into contact with the fastening clamp.



- All floor props must be in contact with the floor.



- Make sure that the wedges in the swivel heads are secure.
- Check that the swivel head is properly engaged - the swivel head latch must be pointing parallel to the swivel head!



To protect the surface of the form-facing, we recommend using a vibrator with a protective rubber cap.

Stripping and repositioning the formwork



NOTICE

- Comply with the stipulated stripping times.
- As well as the instructions given here, you must follow the instructions in the section headed [Reshoring props, concrete technology and stripping out](#).

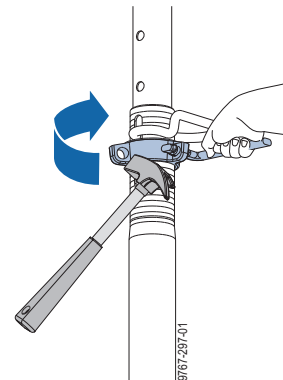


Concremote provides reliable, standards-compliant information on the strength development of concrete on the site, in real-time.



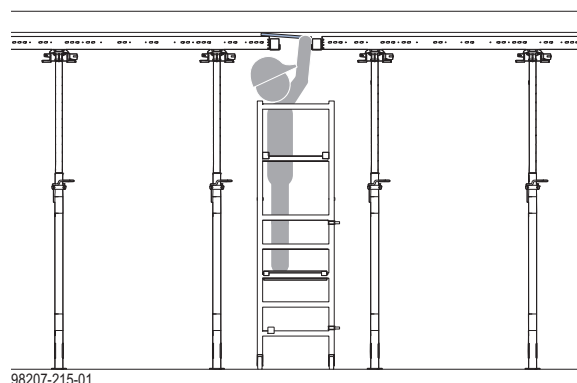
Follow the directions in the 'Concremote' User Information booklet.

- Check the concrete strength.
- Undo the connectors to the adjacent tables.
- Take the load off the floor props of the tables, and lower them approx. 5 cm.



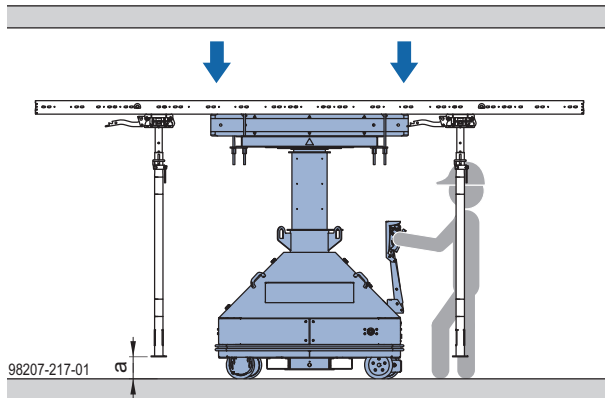
Tools for facilitating detachment of the tables from the hardened concrete, see the section headed [Tools for stripping the formwork](#).

- Remove the closures (see the section headed [Adapting to the layout](#)).



- Position the DoKart plus beneath the middle of the table.
- Extend the lifting tower until the table is supported on the distribution beams of the DoKart plus.

- Push the floor props all the way in and lower the table with the DoKart plus (floor props max. 10 cm clear of the floor).



a ... max. 10 cm

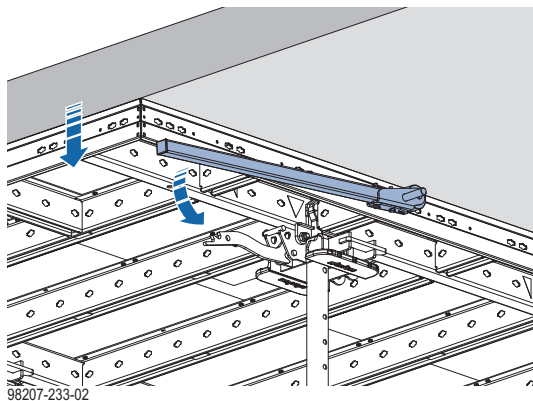
- Reposition the table (see the section headed [Repositioning](#)).

Tools for stripping the formwork

The following tools make it easier to detach tables from the hardened concrete.

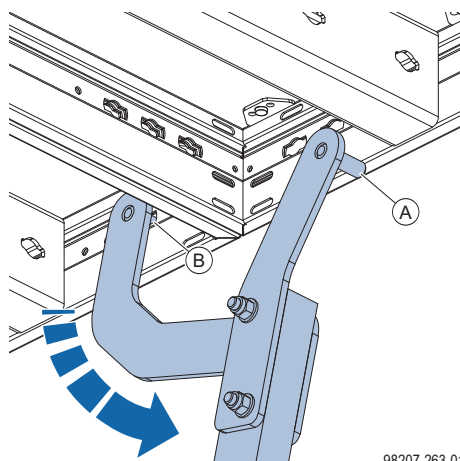
Framax stripping tool:

- Position the Framax stripping tool in the lifting point of the table and lever the table away from the concrete.



DokaXdek stripping tool:

- Position the supporting pin (A) of the DokaXdek stripping tool in the adjacent table.
- Insert the supporting pin (B) into the profile hole in the table and lever the table away from the concrete.



The Dokadek stripping tool extension 1.50m enables tables with a height of up to 4.50 m to be removed safely from the floor level.

The bolting items for fixing the stripping tool extension to the stripping tool are included in the scope of supply.

Reshoring



NOTICE

As well as the instructions given here, you must follow the instructions in the section headed [Reshoring props, concrete technology and stripping out](#).

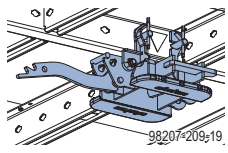
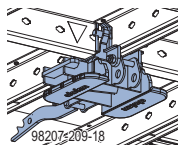
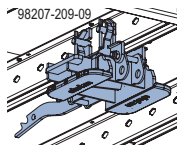
- Before pouring the next floor-slab (i.e. above the one that has just been stripped), put up reshoring props.

Installing swivel head and prop connection T

DokaXdek swivel heads can be fitted at an offset or additional DokaXdek swivel heads can be fitted to the primary profile or function profile of the table to adapt the table to the slab thickness.

As an alternative to the DokaXdek swivel head, the DokaXdek prop connection T (with or without DokaXdek prop-connection plate T) can also be installed.

Mounting options

On primary profile	At the node of primary profile and function profile	On function profile
 98207-209-19	 98207-209-18	 98207-209-08

These mounting options also apply to the DokaXdek prop connection T.



WARNING

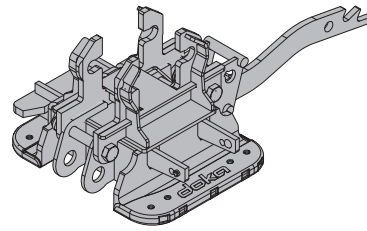
Reduced load-bearing capacity!

- ▶ Reduced load-bearing capacity when swivel head is installed on the function profile.
- ▶ Reduced load-bearing capacity when Prop connection T is installed on the function profile.
- ▶ Reduced load-bearing capacity when Prop connection T is installed without Prop-connection plate T.

Separate statics analysis is absolutely essential for these types of installation! Contact Doka!

You must follow the instructions in section [Structural design!](#)

Installing swivel head

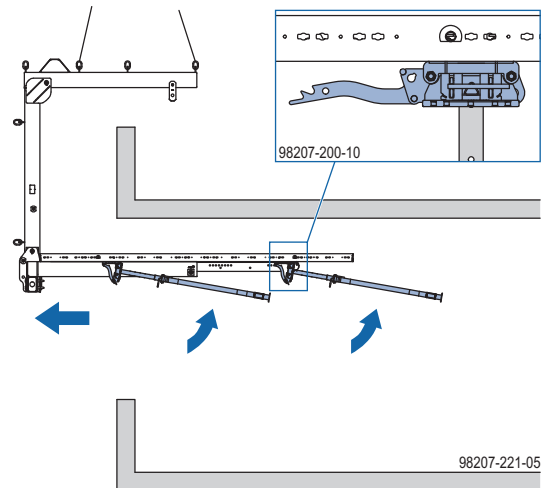


The swivel head is attached to the table with 2 x Safety pin D20 195 (not included in scope of supply).

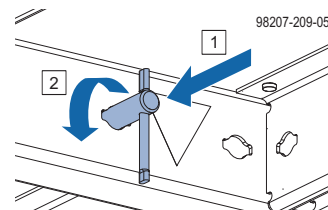


NOTICE

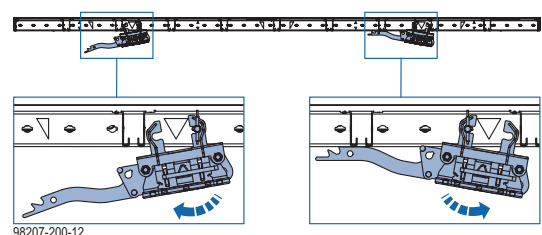
- ▶ Mount all the swivel heads on each table so that they point in the same direction.
- ▶ Always set up the tables so that the swivel head latch points towards the edges of the floor-slabs (in the direction in which the tables will later be removed).



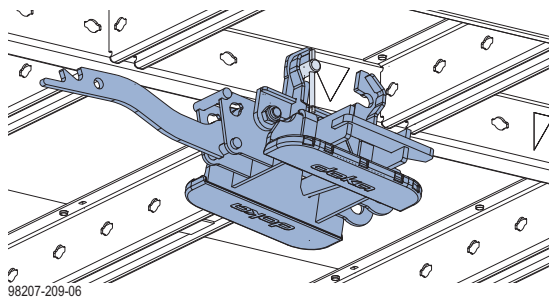
- ▶ Insert the first safety pin into the primary profile or function profile and turn by 90°. This activates the anti-dropout lock between the cross holes.



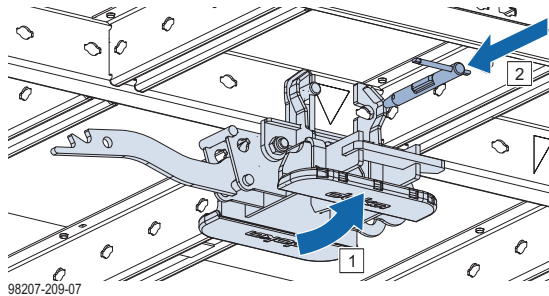
When installing on the primary profile: Position of the swivel head close to the function profile: To facilitate installation, first insert the safety pin that is farther from the function profile.



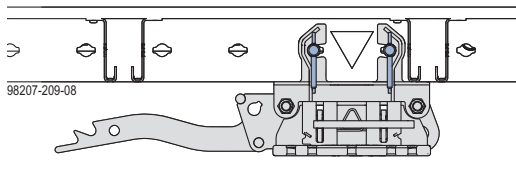
- ▶ Hook DokaXdek swivel head into place.

**NOTICE**

- ▶ When installing the swivel head on the primary profile or function profile at the node: Raise the swivel head to the desired position and secure with 2 safety pins (2 people required).
- ▶ Swivel up the DokaXdek swivel head and secure with 2nd safety pin in the primary profile or function profile. Then turn the safety pin by 90°.



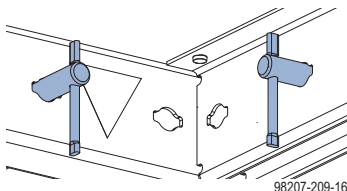
Check that the toggle bar on the safety pin is hanging down in the vertical position.



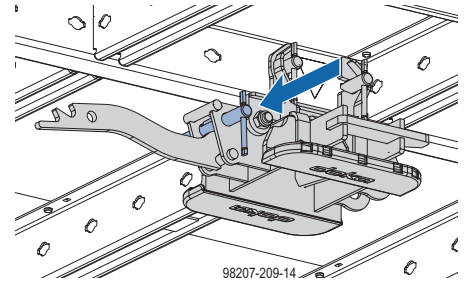
- ▶ Install the floor prop (see section [Installing the floor props](#)).

Note:

Pin unneeded safety pins into the primary profile or function profile and turn each pin through 90°.



If the swivel function is not needed, the swivel head can be locked by fitting an extra safety pin.



Installing Prop connection T

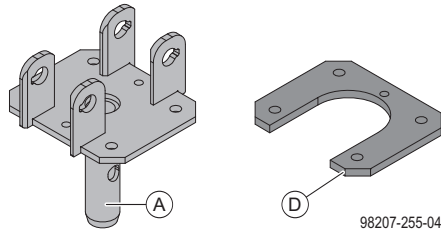
As an alternative to the DokaXdek swivel head, the DokaXdek prop connection T (with or without DokaXdek prop-connection plate T) can also be used. The Prop connection T is attached to the table with 2 Safety pins D20 195.

The Prop connection T has no swivel function.



NOTICE

Tables with installed Prop connections T cannot be stacked directly on top of each other.



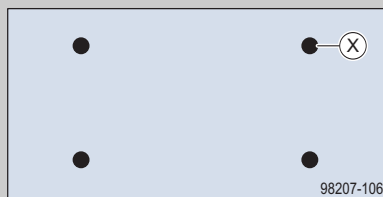
A DokaXdek prop connection T

D DokaXdek prop-connection plate T



WARNING

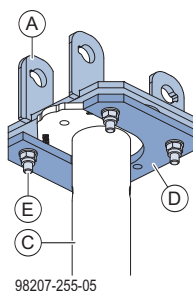
Prop connections T may only replace all 4 main swivel heads (X) if these Prop connections T are installed together with Prop-connection plates T.



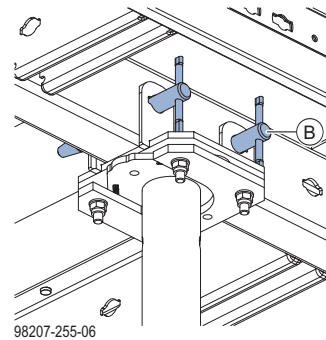
Installation with Prop-connection plate T

The Prop connection T and the Prop-connection plate T are pre-installed on the floor prop on the floor.

- Push Prop connection T at a 45° angle onto the floor prop.
- Position the Prop-connection plate T below the floor-prop plate.
- Connect Prop connection T and Prop-connection plate T with bolting items (floor-prop plate clamped in).



- Place the floor prop in the required position under the table and fasten the Prop connection T to the primary profile or function profile with 2 safety pins.



A DokaXdek prop connection T

B Safety pin D20 195

C Doka floor prop

D DokaXdek prop-connection plate T

E Bolting items (not included with product):

4 x hexagon bolt ISO 4014 M10x50 4.6 (or 8.8) galvanised

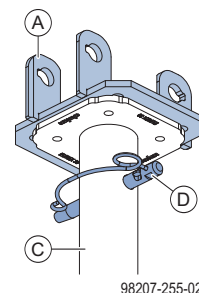
4 x hexagon nut ISO 7040 M10 self-locking

4 x washer ISO 7089 10 ST-200 HV galvanised

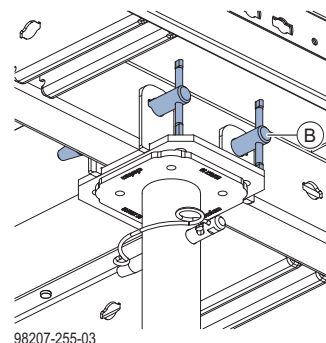
Installation without Prop-connection plate T

The Prop connection T is pre-installed on the floor prop on the floor.

- Push Prop connection T onto the floor prop and secure it with a Spring locked connecting pin 16mm.



- Place the floor prop in the required position under the table and fasten the Prop connection T to the primary profile or function profile with 2 safety pins.



A DokaXdek prop connection T

B Safety pin D20 195

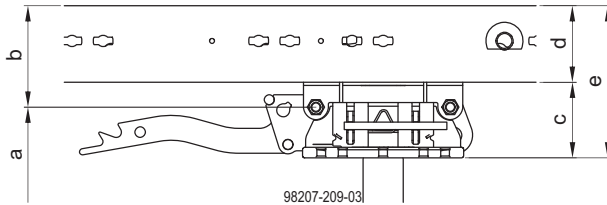
C Doka floor prop

D Spring locked connecting pin 16mm

Installing the floor props

For details of the permissible load-bearing capacities, see section [Structural design](#).

Height dimensions



a ... floor-prop extension length

b ... 16.1 cm

c ... 12.2 cm

d ... 12.3 cm

e ... 24.5 cm (height of table construction with swivel head)

Clamping range in the DokaXdek swivel head for floor-prop plate:

- Length x width: 12 x 12 cm to 14 x 14 cm
- Thickness: 6 to 8 mm

Installation:

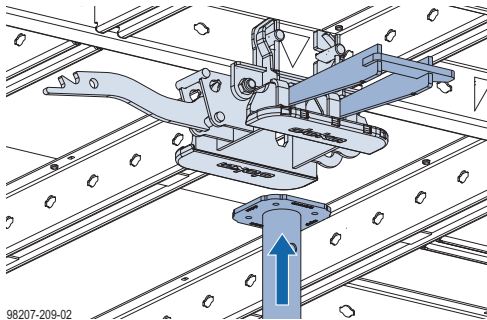
- Use the Dokamatic lifting strap 13.00m to lift the table superstructure onto the DoKart plus, or onto a suitable temporary reshore (see section [Transporting, stacking and storing](#)).



NOTICE

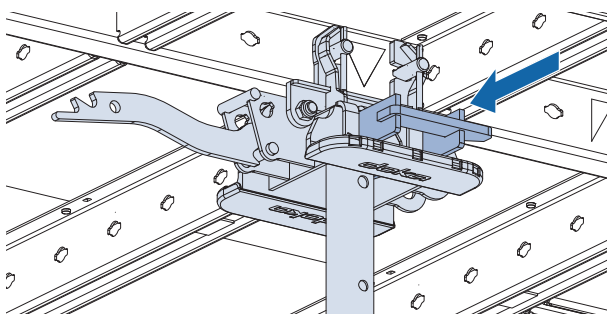
- Set up the floor props with the holes at right angles to the swivel direction.
- Having the outer tube at the top increases stability.

- Open the wedge of the DokaXdek swivel head and push in the floor prop.



- To make it easier to get at the adjusting nut, it is also possible to have the outer tube at the bottom.
- Long floor props can also be fitted with the swivel head tilted back.

- Hammer in the wedge until the hammer rebounds.

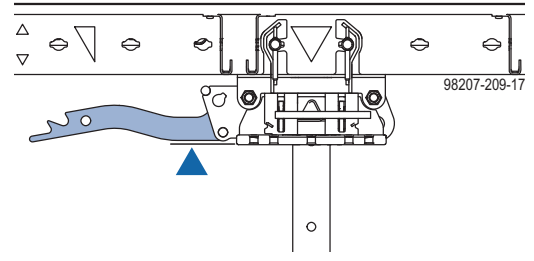


NOTICE

- Do not oil or grease wedge-clamped joints.
- Where the room height is 3.50 m and upward, secure the wedge with a Spring cotter 5mm, as at this height and above it is difficult to do a sight-check.



- Make sure that the wedges in the swivel heads are secure.
- Check that the swivel head is properly engaged - the swivel head latch must be pointing parallel to the table waling!



CAUTION

Risk of tipping over if floor props are extended to different lengths!

- Before setting down the table, make sure that all the floor props are extended to the same length.



- The fastening clamp (A) has to be pushed all the way into the floor prop.
- The adjusting nut (B) has to be tightened into contact with the fastening clamp.



- All floor props must be in contact with the floor.



WARNING

Risk of tableform tipping over when floor props are being aligned!

Striking the floor props too hard with the plastic mallet causes accidental loosening of the fastening clamp of the floor prop and/or of the swivel latch of the swivel head.

- Before lining-and-levelling, check whether all the floor props are under load. Only props that are actually standing on the ground may be lined-and-levelled.
- Use only moderate force when striking with the Plastic mallet 4kg. Max. mallet backswing distance 1'-8" (50 cm)!
- Give just one knock to each floor prop at a time, then move on to the next prop!
- Strike only the bottom part of the floor prop.

Adapting to the structure geometry

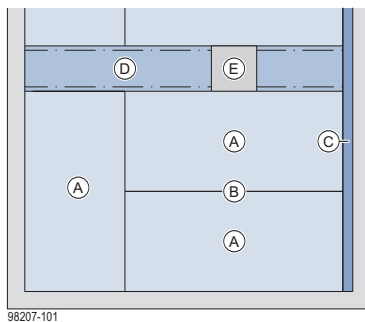
Adapting to the layout

The formwork system can be adapted to the building layout in the following ways:

- **Typical zone:**
 - Combining different table sizes
 - Grid logic (arranging the tables lengthways and crossways)
- **Closure zone:**
 - DokaXdek or Dokaflex system components to support fitting boards
 - Screw squared timbers directly to the table frame
 - Tables offset to allow for closure zone
 - DokaXdek table panels

Note:

The horizontal connection of wall formwork panels to the DokaXdek table is prohibited!



- A DokaXdek table
- B Typical zone (2 tables positioned directly beside each other)
- C Closure zone at wall
- D Closure zone between the tables
- E Column

Safe working

FreeFalcon

The FreeFalcon mobile fall protection mast permits a secure attachment point to be created for the safety harness.



User instruction prior to use of the FreeFalcon is mandatory.
Follow the directions in the 'FreeFalcon' Operating Instructions!



Platform stairway 0.97m

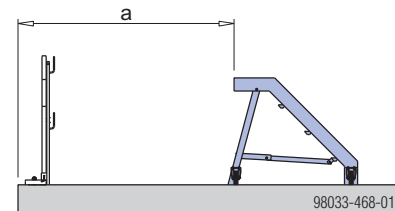


- Mobile folding platform stairway made of light alloy
- Working heights of up to 3.00 m (height of top step 0.97 m)
- Stair width: 1.20 m



NOTICE

Minimum distance **a** from drop-off edge: 2.00 m



Permissible load-bearing capacity: 150 kg



Follow all country-specific regulations!

Wheel-around scaffold DF



- Collapsible wheel-around platform made of light alloy
- Variable working heights of up to 3.50 m (max. platform height: 1.50 m)
- Width of scaffold: 0.75 m



NOTICE

When work is being carried out near drop-off edges (i.e. at a distance of < 2 m), the Wheel-around scaffold DF accessory set (consisting of a toeboard and intermediate guardrail) is needed.



Follow the directions in the User Information booklet!

Ringlock



98179-333-02

Movable working scaffold:

- Variable working heights of up to 12.0 m
- Variable scaffold width and length



Follow the directions in the User Information booklet!

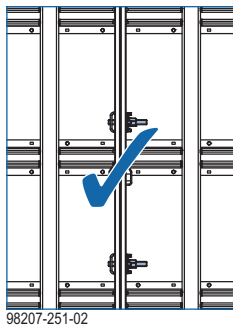
Typical zone

Centring connector and centring nut

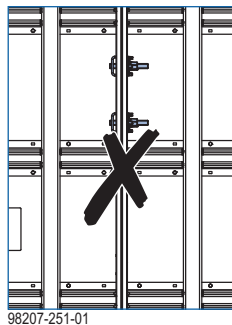
Permitted tensile force and shear force: 10 kN (max. 1 connector per field)

Permitted moment: 0.33 kNm

Max. 1 connector per field



98207-251-02



98207-251-01

Interconnecting tables:

- Align the tables with each other before connecting them.



The Angular arbor SL-1 makes it easier to align the cross holes during assembly.



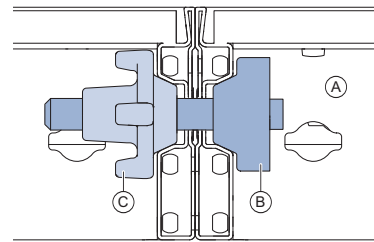
WARNING

Malfunction, culminating in falling parts when the concrete is being compacted!

- Always tighten the centring nut with a blow of a hammer or by using some other suitable tool.

Tightening torque: 80 Nm (16 kg with lever length 50 cm)

- Connect adjacent tables on each side with 2 centring connectors and 2 centring nuts at the edge zone of the frame joints. This automatically brings the tables into vertical alignment.



98207-207-05

A DokaXdek table

B Centring connector 15.0

C Centring nut 15.0



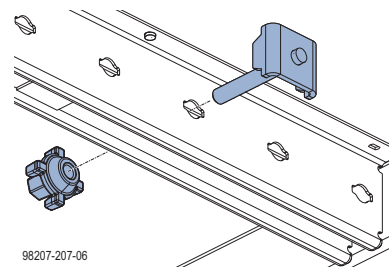
Centring connector must engage in the frame profile.



The Friction type ratchet SW27 or Box spanner 27 0.65m can be used for low-noise releasing and tightening of the Centring nut 15.0.

Parked position for repositioning:

- Connect centring connector and centring nut at the primary profile or function profile and tighten the nut with a blow of a hammer or by using some other suitable tool.



98207-207-06

Closure zone

Forming and stripping closures

Possible areas of application:

- between DokaXdek tables
- at wall connections
- at columns



NOTICE

- ▶ If closures have to be mounted from above, the crew must use a personal fall-arrest system (e.g. safety harness).
- ▶ By preference, work from below to install and remove closures for setting up and stripping the formwork (for design variants, see the following sections and [Structural design](#)).
- ▶ Strip closures in the reverse order from the installation described. Secure sheets, squared timber and Doka beams H20 against falling down accidentally beforehand.



CAUTION

- ▶ Ensure horizontal stability, e.g. by tying back the edge tables, by fixing the tables to the structure, or by joining them into one continuous forming area!



WARNING

Falling hazard! Do not step onto loose sheets and infill beams!

- ▶ Only step onto these once the entire infill zone has been closed and secured by nailing!

Recommended nail lengths:

- Sheet thickness of 18 mm: approx. 55 mm
- Sheet thickness of 21 mm: approx. 60 mm
- Sheet thickness of 27 mm: approx. 65 mm

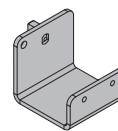


WARNING

Risk of falling at open edges!

- ▶ The crew must use personal fall-arrest systems (e.g. safety harnesses) until all fall protection has been installed.
- ▶ Suitable attachment points must be defined by an approved person appointed by the contractor.

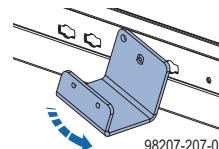
DokaXdek squared timber support 8x10cm



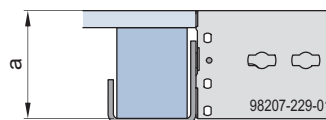
Accommodates a length of squared timber to support a fitting board for form-ply thicknesses 18, 21 and 27 mm.

Installation:

- ▶ Engage the squared timber support in a cross hole in the frame profile and turn it to the vertical position.



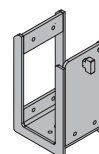
- ▶ Adjust the squared timber according to the form-ply thickness and insert it into the squared timber supports. In wet conditions, allow for swelling of the squared timber!



a ... 12.3 cm

- ▶ Place fitting boards of variable width between adjacent tables.

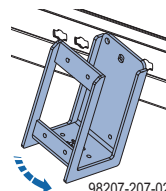
DokaXdek beam support H20 18mm, 21mm and 27mm



Accommodates a Doka beam to support a fitting board for form-ply thicknesses 18, 21 and 27 mm.

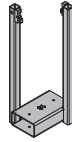
Installation:

- ▶ Engage the beam support in a cross hole in the frame profile and turn it to the vertical position.



- ▶ Lay a Doka beam H20 in the beam support.
- ▶ Place fitting boards of variable width between adjacent tables.

DokaXdek suspension clamp T 18mm, 21mm and 27mm

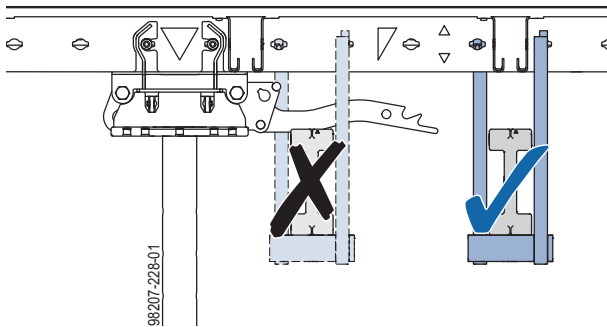


Accommodates a Doka beam H20 to support a fitting board for form-ply thicknesses 18, 21 and 27 mm.



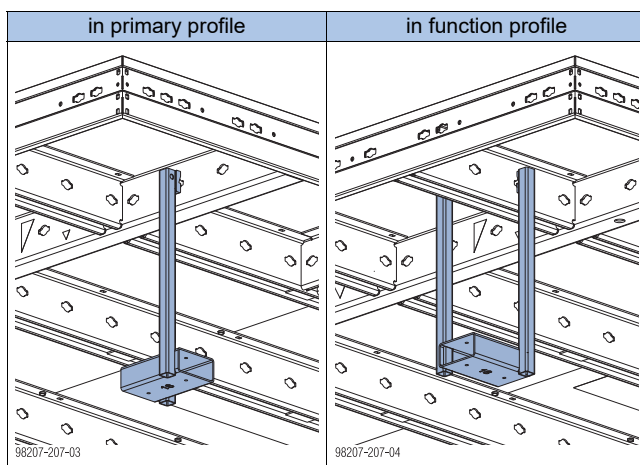
WARNING

- Do not install suspension clamps in the area of the swivel lever.



Installation:

- Engage the suspension clamps in the holes in the primary profile or function profile.



- Fit Doka beams H20 into the suspension clamps.

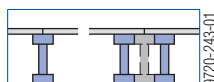


After positioning the beams, check that the suspension clamps are still correctly engaged.

- Insert further Doka beams H20 to support the fitting boards.



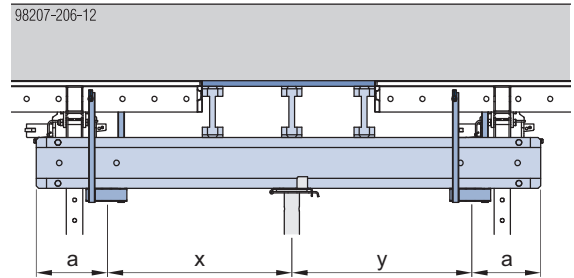
Place a beam or double beam wherever there is to be a joint between the panels.



- Place fitting boards of variable width between adjacent tables.



- Make sure that the suspension clamps are uniformly spaced ($x = y$).
- Centre the prop underneath the filler.



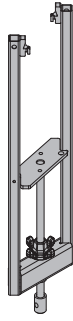
a ... min. 15 cm protruding length of the Doka beam H20



NOTICE

- Put up the intermediate props so that they force-fit. When the installation sequence as stated here is adhered to, it is enough to hand-tighten the props against the bottom flange.
- Make sure that the Supporting head H20 DF is correctly screwed up against the bottom flange.
- Setting individual intermediate props higher than others is not permitted!
- Additional securing of the intermediate prop with chipboard screw 4x35 or nail through the hole in the supporting head is optional.

DokaXdek lowering clamp T



Function and use as [DokaXdek suspension clamp T 18mm, 21mm and 27mm](#), however swelling and shrinking of the H20 beams and the formwork sheets in the infill-beam area can be compensated for down to the millimetre.

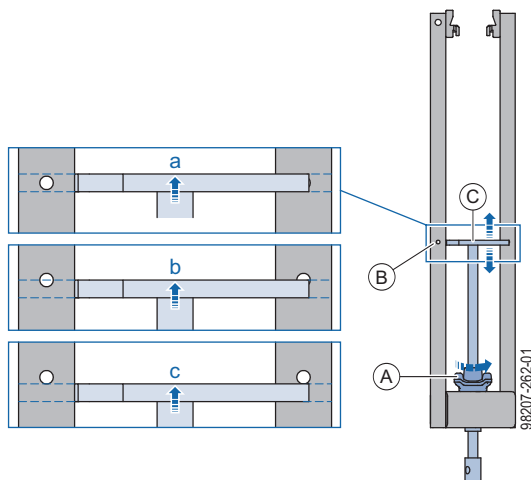
Perm. reaction force: 11 kN

Additional functions:

- Stepped floors up to 20 cm possible. (Individual planning required. Contact Doka!)
- Lowering plate can be finely adjusted to the required form-ply thickness with the star grip nut **(A)**.
- Easy stripping by loosening the star grip nut (before reaching the typical zone).



The holes **(B)** in the clamp profiles allow the position of the lowering plate **(C)** to be adjusted precisely to the form-ply thickness.



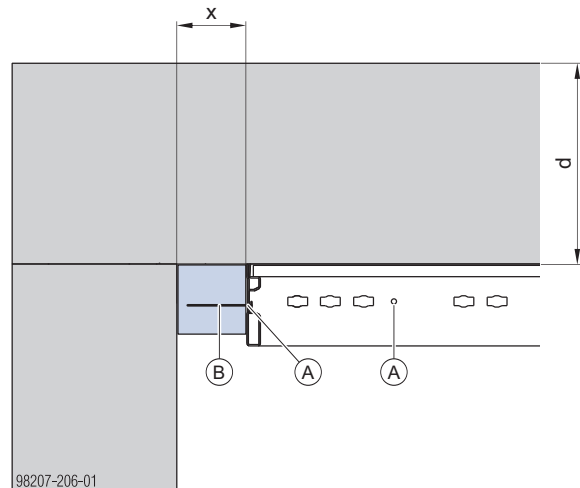
a ... position for 18 mm form-ply thickness
b ... position for 21 mm form-ply thickness
c ... position for 27 mm form-ply thickness

Squared timber

Installation:

- Secure the squared timber (C24 grade) with a d5 mm screw in every hole provided for the purpose in the frame profile.

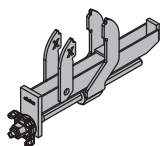
- Max. closure width 'x': 10 cm
- Max. slab thickness 'd': 40 cm



A Hole for securing squared timber

B Screw d5 mm

DokaXdek adjustable clamp T



Is used to pull the joints tight and make the joints resistant to tensile forces when tables are offset relative to each other and for creating closures of up to 10 cm.

Permitted tensile force: 6.2 kN

Interconnecting tables:



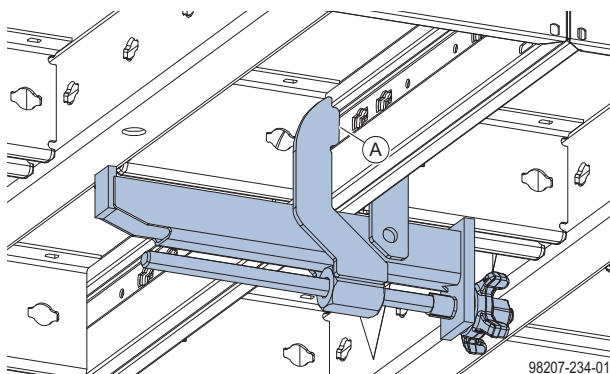
WARNING

Malfunction, culminating in falling parts when the concrete is being compacted!

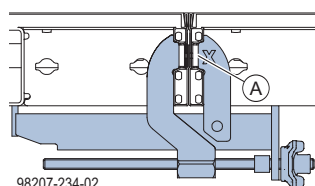
- ▶ Always tighten the star grip nut with a blow of a hammer or by using some other suitable tool.

Tightening torque: 80 Nm (16 kg with lever length 50 cm)

- ▶ Seat 2 Adjustable clamps T on the frame profiles at the edge areas of the neighbouring tables and secure with star grip nuts. This automatically brings the tables into vertical alignment.



The Adjustable clamps T must engage in the hardware slots of the frame profiles (A) .



The Friction type ratchet SW27 or Box spanner 27 0.65m can be used for low-noise releasing and tightening of the Centring nut 15.0.

DokaXdek table panels

Table panels are bolted to the table (see the section headed [Closure between tables](#)).

The area of use can be extended with additional measures.

Areas of use

Area of use	Additional measures required	Can be walked on	Concreting loads permitted
Closure between tables	None	✓	✓
Closure at wall junctions	Shoring (wall side)	✓	✓
Cantilever at the edge table	Platform adapter T	✓	—
	Platform adapter T and shoring	✓	✓
	Universal waling T	✓	—

For details, see the following sections

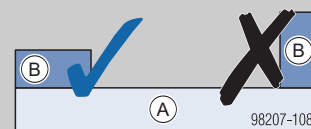
Note:

See the section headed [Repositioning tables with table panels installed](#)!



WARNING

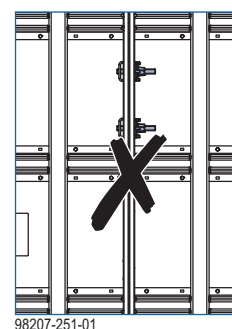
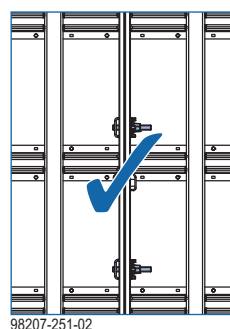
- ▶ Install table panels (B) only with the long side on the table (A) .



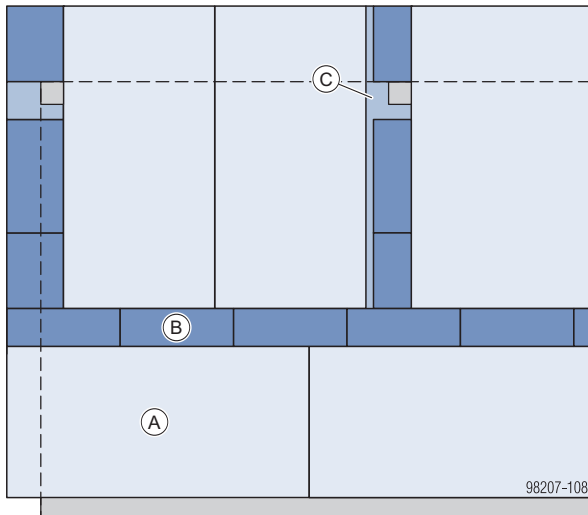
Permitted tensile force and shear force: 10 kN
(max. 1 connector per field)

Permitted moment: 0.33 kNm

Max. 1 connector per field



Practical example

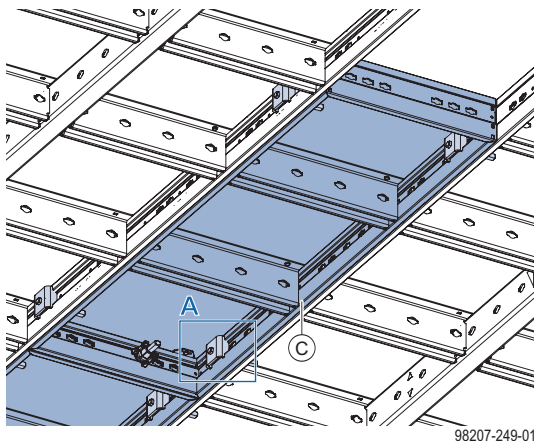


Schematic

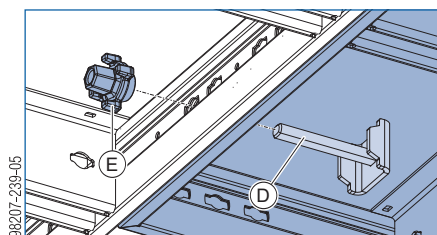
- A** DokaXdek table
- B** DokaXdek table panel
- C** Closure zone, e.g. with squared timber supports

Closure between tables

- ▶ On each side, secure the table panel to the table with 2 centring connectors and centring nuts.



Close-up A



- C** DokaXdek table panel
- D** Centring connector 15.0
- E** Centring nut 15.0



Connecting the table panels together with a centring connector and centring nut results in a smoother transition and increases rigidity.

Closure at wall junctions

For details, see the section headed [Structural design](#), sub-section [Closure option 1](#).

Cantilever at the edge table

with DokaXdek platform adapter T



WARNING

Cantilevering table panels at the edge table

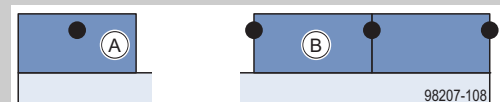
- ▶ Do not step onto table panels until they are resting on Platform adapters T.
- ▶ When introducing concreting loads, provide additional propping for the table panels.
- ▶ Install props either at the Platform adapter T or directly at the table panel.



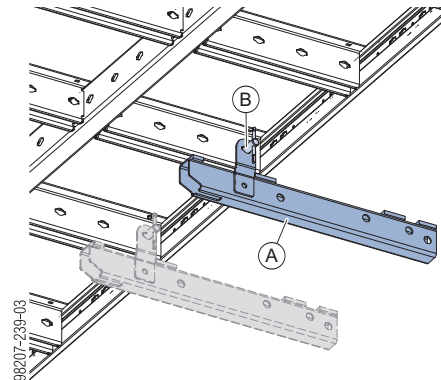
WARNING

Propping the table panels directly at the table panel:

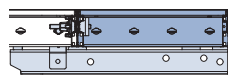
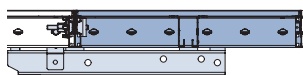
- ▶ Prop individual table panels (**A**) in the centre.
- ▶ Prop table gang-forms (**B**) at the outer frame profiles and at each panel joint.



- ▶ Secure Platform adapter T to the primary profile or function profile of the DokaXdek table with a safety pin.



Correct position of the Platform adapter T

For table panel width 0.50m	For table panel width 0.75m
	

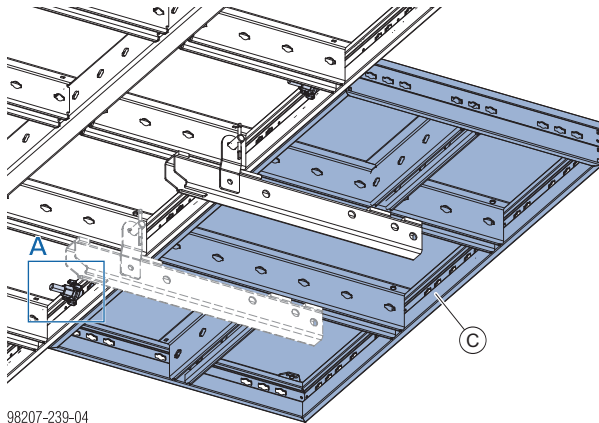


Always position Platform adapter T underneath a profile on the 0.75x1.50m table panel.

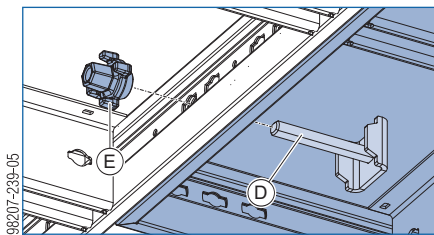


A 2nd platform adapter per table panel makes installation easier.

- Lay the table panel on the Platform adapter T and secure to the table with 2 centring connectors and centring nuts.

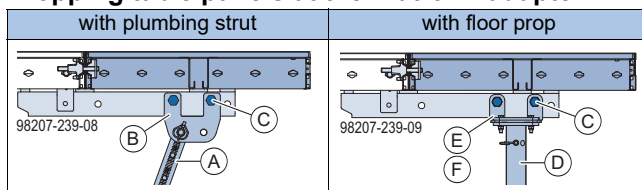


Close-up A

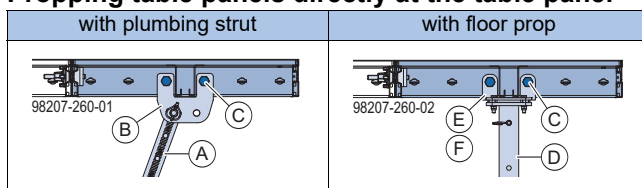


- A DokaXdek platform adapter T
- B Safety pin D20 195
- C DokaXdek table panel
- D Centring connector 15.0
- E Centring nut 15.0

Propping table panels at the Platform adapter T



Propping table panels directly at the table panel



- A Plumbing strut 340 IB or 540 IB
- B DokaXdek plumbing strut adapter T
- C Connecting pin 25cm + Spring cotter 5mm
- D Doka floor prop
- E DokaXdek prop connection T
- F DokaXdek prop-connection plate T

with DokaXdek universal waling T 2.30m



WARNING

Cantilevering table panels at the edge table

- Do not step onto table panels until they are resting on Universal waling T.



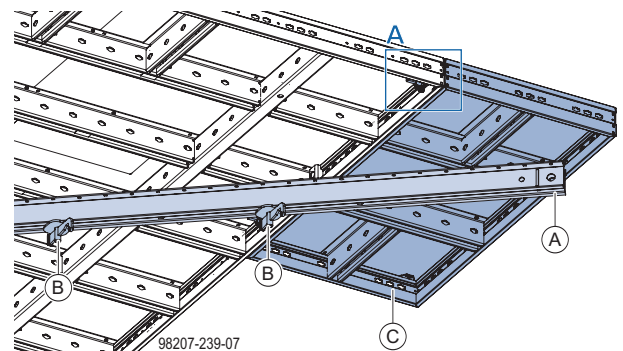
NOTICE

- Do not oil or grease wedge-clamped joints.
- Secure Universal waling T to the primary profile or function profile of the DokaXdek table with 2 wedge clamps.

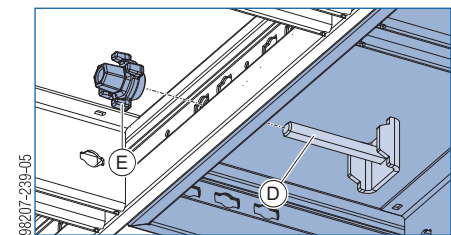
DokaXdek universal waling T 2.30m:

- Permissible tensile force (in function profile): 14 kN
- Permissible moment: 6 kNm (on account of the permissible tensile force in the function profile, also applies to stiffer parts such as the Multi-purpose waling WS10 Top50)

- Lay the table panel on the universal waling and secure to the table with 2 centring connectors and centring nuts.



Close-up A



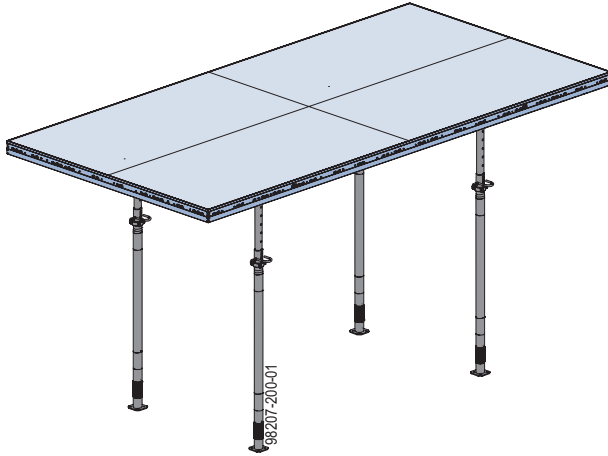
- A DokaXdek universal waling T 2.30m
- B Framax wedge clamp
- C DokaXdek table panel
- D Centring connector 15.0
- E Centring nut 15.0

Adapting to different heights

Room heights up to 5.65 m (standard tables)

Table set-up

Propping of the tables	Table connection
▪ Doka floor props	▪ DokaXdek swivel head or DokaXdek prop connection T



Room heights up to 7.15 m

Table set-up

Propping of the tables	Table connection
▪ Doka floor props ▪ Table frame 1.50m	▪ DokaXdek scaffold connector T or DokaXdek swivel head

Table frame 1.50m:

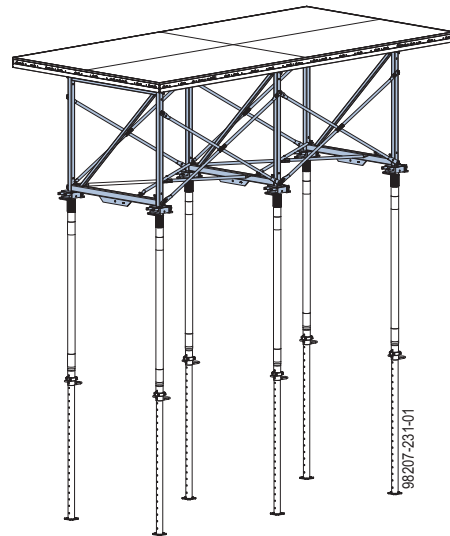
- Quickly adds 1.50 m to the height, for room heights of up to 7.15 m.
- Floor prop connection is the same as that for the DokaXdek swivel head.
- Integral latch-type pegs for connecting **diagonal crosses** from the Doka load-bearing tower system Staxo.
- Centring plates for correct positioning of the Transport fork DM 2.5t adjustable.



WARNING

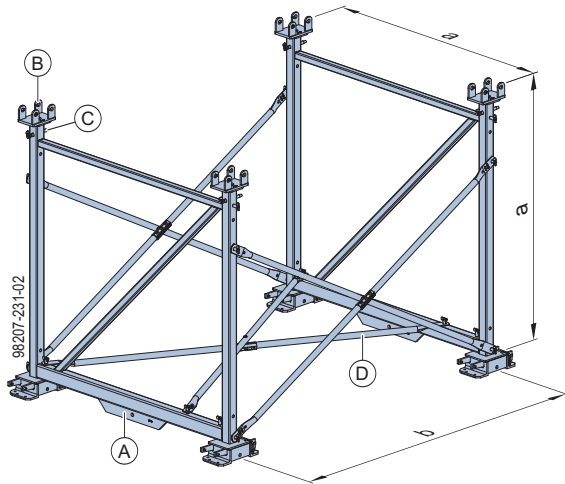
- Only reposition tables with Table frames 1.50m with the Transport fork DM 2.5t adjustable.

The flexurally rigid connection to the superstructure increases the permissible load-bearing capacity of the floor props (see section [Structural design](#)).



Assembly

Assembly is shown here in combination with the DokaXdek scaffold connector T.



a ... 1.50 m

b ... variable (as statically required)

A Table frame 1.50m

B DokaXdek scaffold connector T (or DokaXdek swivel head)

C Spring locked connecting pin 16mm

D Diagonal cross as per table

Items needed and permissible slab thicknesses¹⁾ [cm]

	Length of table (m)					
	4			5		
	Number of table frames					
	2	3	4	2	3	4
Diagonal cross 12.100 ²⁾	—	6 47	9 108	—	—	9 52
Diagonal cross 12.150 ²⁾	—	6 70	—	—	6 54	9 69
Diagonal cross 12.200 ²⁾	3 41	—	—	—	6 48	—
Diagonal cross 12.250 ²⁾	3 30	—	—	3 19	—	—
Diagonal cross 12.300 ²⁾	—	—	—	3 21	—	—
Table frame 1.50m	2	3	4	2	3	4
DokaXdek scaffold connector T	4	6	8	4	6	8
Spring locked connecting pin 16mm	4	6	8	4	6	8
Doka floor prop	4	6	8	4	6	8
Safety pin D20 195	8	12	16	8	12	16

¹⁾ in accordance with line 6, DIN 18202; values are bolded in table

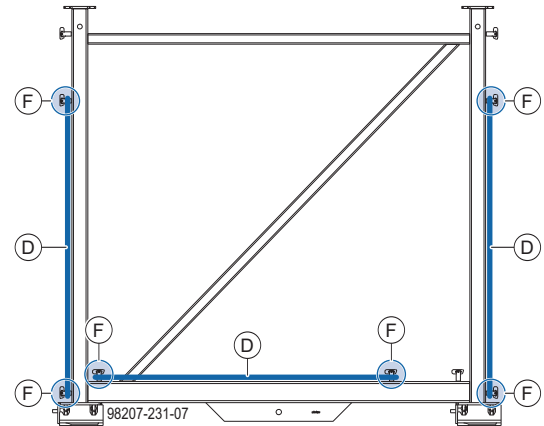
²⁾ The number suffix of the article designation corresponds to the spacing of the table frames. e.g. Diagonal cross 12.100: spacing of table frames = 100 cm

► Set up the table frames.



- Prop connector must be positioned at the bottom.
- Latch-type pegs for connection of the horizontal diagonal cross must be opposite each other.

► Install diagonal crosses in both the vertical and the horizontal, and secure each diagonal cross with the safety catch as soon as it has been slotted on to the latch-type peg marked in the illustration.

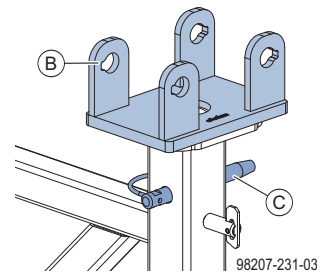


D Diagonal cross as per table

F Latch-type peg

► Push DokaXdek scaffold connectors T into the Table frame 1.50m and secure them with Spring locked connecting pins 16mm.

Close-up, DokaXdek scaffold connector T



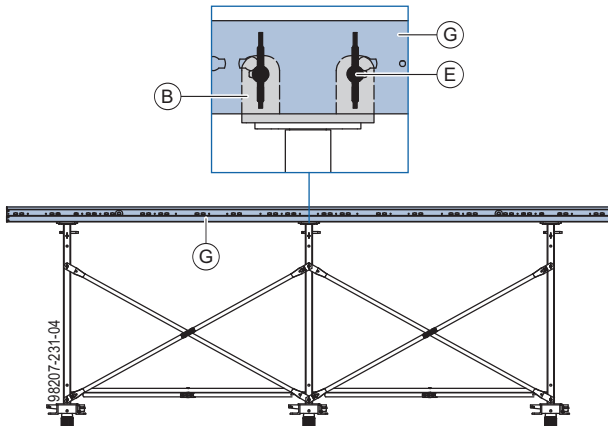
B DokaXdek scaffold connector T

C Spring locked connecting pin 16mm

Attaching the superstructure:

► Using two Dokamatic lifting straps 13.00m and the crane, lift the superstructure on to the pre-assembled load-bearing tower.

- Connect each DokaXdek scaffold connector T to the table superstructure with 2 safety pins and turn each safety pin through 90°.



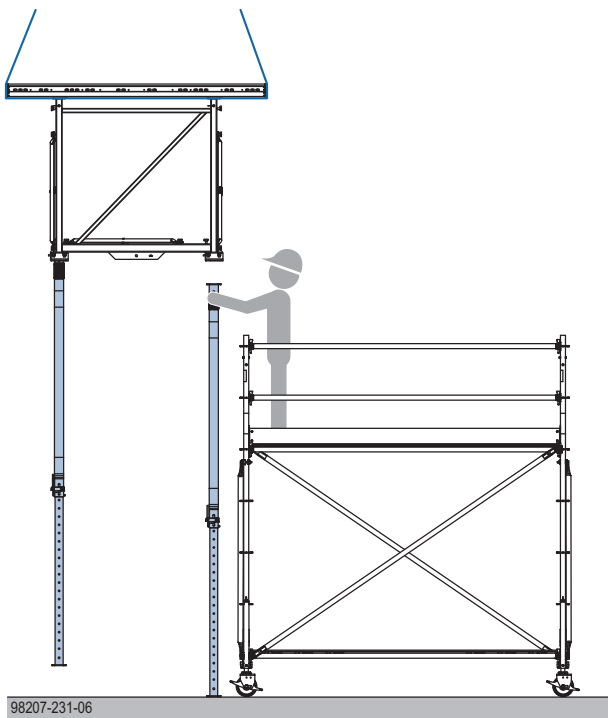
B DokaXdek scaffold connector T

E Safety pin D20 195

G Table superstructure

Installing the floor props:

- Raise the entire unit by crane and, working from a working scaffold, install the floor props (see [Installing the floor props](#)).



- The fastening clamp (**A**) has to be pushed all the way into the floor prop.
- The adjusting nut (**B**) has to be tightened into contact with the fastening clamp.



WARNING

Risk of tableform tipping over when floor props are being aligned!

Striking the floor props too hard with the plastic mallet causes accidental loosening of the fastening clamp of the floor prop and/or of the swivel latch of the swivel head.

- Before lining-and-levelling, check whether all the floor props are under load. Only props that are actually standing on the ground may be lined-and-levelled.
- Use only moderate force when striking with the Plastic mallet 4kg. Max. mallet backswing distance 1'-8" (50 cm)!
- Give just one knock to each floor prop at a time, then move on to the next prop!
- Strike only the bottom part of the floor prop.

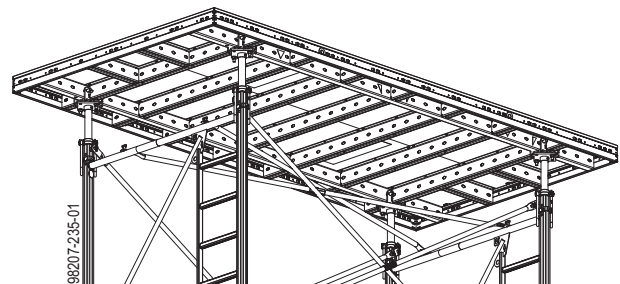
Room heights greater than 7.15 m

Table set-up

Propping of the tables	Table connection
▪ Load-bearing tower Staxo 100	▪ DokaXdek spindle connector T



Follow the directions in the 'Load-bearing tower Staxo 100' User Information booklet.



Adapting to the slab thickness

Assembly

- Use the Dokamatic lifting strap 13.00m to lift the table onto the DoKart plus, or onto a suitable temporary reshore (see section [Transporting, stacking and storing](#)).

- Reposition edge props and DokaXdek swivel heads.

- Install additional intermediate props.

Follow the directions in the following sections:

- [Positioning the floor props](#)
- [Installing swivel head and prop connection T](#)
- [Installing the floor props](#)
- [Structural design](#)

Positioning the floor props

Marks on the DokaXdek table facilitate the correct positioning of 2, 3 or 4 floor props per primary profile.

Note:

- Only tables 5.00 metre long have the marks for 4 floor props per primary profile.
- Positioning the floor props at locations other than those specified can result in increased deflection, insufficient load transfer, etc. Contact Doka!

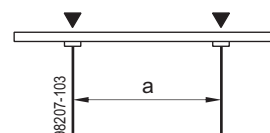
DokaXdek table (length 5.00 m)



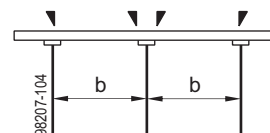
DokaXdek table (length 4.00 m)



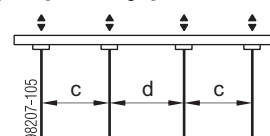
2 floor props per primary profile



3 floor props per primary profile



4 floor props per primary profile



Length, DokaXdek table	a	b	c	d
5.00 m	275	175	112.5	150
4.00 m	225	137.5	100	100

Dimensions in cm

Structural design



WARNING

Reduced load-bearing capacity!

- Reduced load-bearing capacity when swivel head is installed on the function profile.
- Reduced load-bearing capacity when Prop connection T is installed on the function profile.
- Reduced load-bearing capacity when Prop connection T is installed without Prop-connection plate T.

Separate statics analysis is absolutely essential for these types of installation! Contact Doka!

The flexurally rigid connection to the swivel head at the primary profile increases the permissible load-bearing capacity of the floor props.

Permissible load-bearing capacity [kN] with swivel head or with Prop connection T and Prop-connection plate T

Floor prop	on primary profile or at the node of primary profile and function profile	on function profile
Eurex 30 top Eurex 30 eco	41.2	max. 22.0
Eurex 20 top Eurex 20 eco	30.0 (at any extension length) 36.7 (at max. extension length minus 30 cm)	
Eurex 20 basic	31.8	
Eurex 20 LW	30.0	

Permissible load-bearing capacity [kN] with Prop connection T without Prop-connection plate T

Floor prop	on primary profile or at the node of primary profile and function profile	on function profile
Eurex 30 top Eurex 30 eco	30.0 ^{1) 2)}	max. 22.0
Eurex 20 top Eurex 20 eco Eurex 20 basic Eurex 20 LW	20.0 ^{1) 2)}	max. 22.0 ²⁾

¹⁾ The values may be higher, depending on the extension length.

²⁾ Follow the directions in section 'Used as free (non-system-dependent) construction prop' in the User Information booklet for the type of floor prop used!



WARNING

The structural design set out below only applies under the following conditions:

- General use of Floor props Eurex 30. When using Floor props Eurex 20, the maximum slab thickness is reduced (see table below)!
- Installation of the swivel head on the primary profile.
- Installation of the Prop connection T on the primary profile with Prop-connection plate T.

See section [Installing swivel head and prop connection T](#).

Calculating the max. slab thickness

Floor prop	Max. slab thickness
Eurex 30 top Eurex 30 eco	See values given in the tables
Eurex 20 top ¹⁾ Eurex 20 eco	Values given in the tables minus 30% (at any extension length) Values given in the tables minus 15% (at max. extension length minus 30 cm)
Eurex 20 basic Eurex 20 LW	Values given in the tables minus 25%

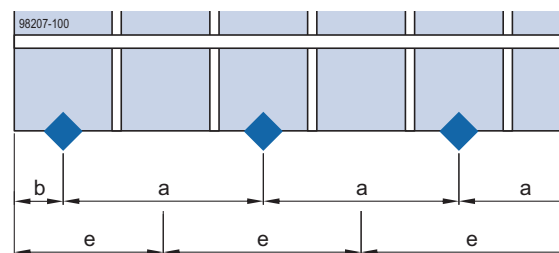
¹⁾ Except Eurex 20 top 150

- In accordance with EN 12812, this allows for a service load of 0.75 kN/m² and a variable load of 10% of a massive concrete floor-slab, totalling at least 0.75 kN/m² but no more than 1.75 kN/m² (assuming a fresh-concrete density of 2500 kg/m³).
- Total deflection was limited for full-surface loading according to line 6 in accordance with DIN 18202.
- For circumstances other than full-surface loading, perform static calculation.

For installation of the formwork sheets and closures, see section [Adapting to the layout](#).

Difference between 'span' and 'influence width':

- The span (**a**) is the distance between the filler supports.
- The permitted influence width (**e**) of a filler support is stated in the respective tables.
- The actual influence width can only be determined by calculation, and corresponds to roughly the spacing (**a**) between the filler supports, and in the cantilever-arm zone to around **b + a/2**.
- The span (**a**) of the filler supports is roughly equal to the influence width (**e**) if
 - they are evenly spaced and
 - there are no cantilevering projections.



a ... span
b ... max. 12.5 cm
e ... influence width

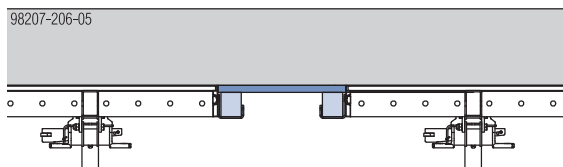
Table type and closure options

- On the basis of the specified slab thickness, determine the table format and the number of floor props per primary profile.

Factors influencing max. slab thickness:

- Required closure width
- Closure option
- Installation of the closure on long side or short side of the table or on long and short sides of the table.

Closure option 1



Squared timber supports or beam supports

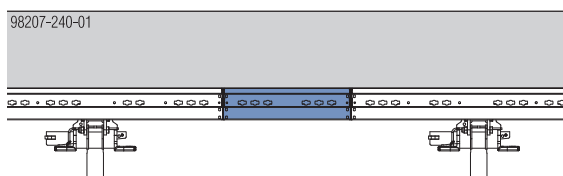
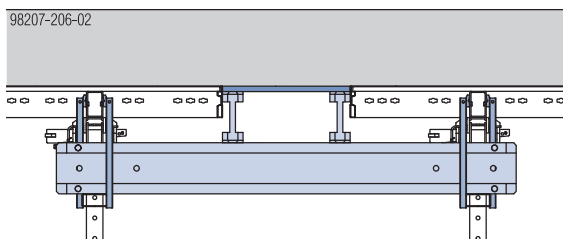


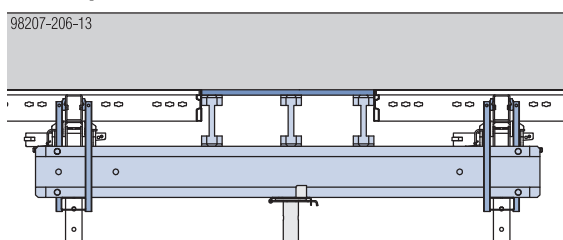
Table panels

Closure option 2



Suspension clamps without additional propping

Closure option 3

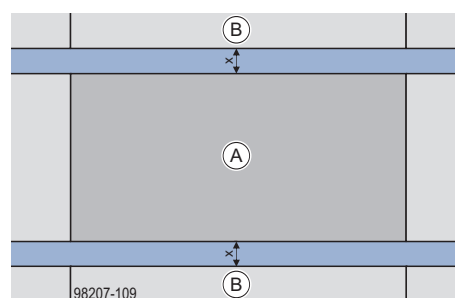


Suspension clamps with additional propping

Closure on long side of the tables [cm]

Table format	Number of floor props per primary profile			Closure option		
	2	3	4	1	2	3
	Max. slab thickness d			Max. closure width x ¹⁾		
2.50x5.00m	44	66	92	without closure		
	38	58	80	25	25	75
	32	51	61	50	50	150
	26	42	49	75	75	150
2.00x5.00m	55	85	108	without closure		
	47	73	94	25	25	75
	41	63	85	50	50	150
	37	56	78	75	75	150
2.50x4.00m	55	85	108	without closure		
	48	73	89	25	25	75
	42	59	66	50	50	150
	34	47	52	75	75	150
2.00x4.00m	70	108	108	without closure		
	60	93	108	25	25	75
	53	81	108	50	50	150
	47	72	96	75	75	150

¹⁾ Max. closure width x possible on both long sides of the table (A) at the same time.

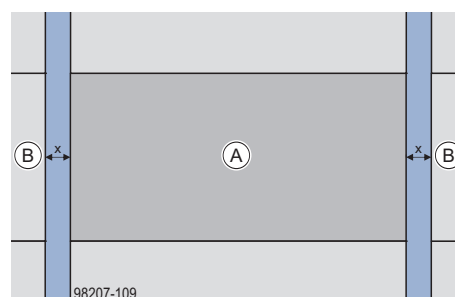


Schematic

Closure on short side of the tables [cm]

Table format	Number of floor props per primary profile			Closure option		
	2	3	4	1	2	3
	Max. slab thickness d			Max. closure width x ¹⁾		
2.50x5.00m	44	66	92	without closure		
	29	60	79	25	25	75
	16	41	44	50	50	150
	10	41	44	75	75	150
2.00x5.00m	55	85	108	without closure		
	38	76	85	25	25	75
	21	54	58	50	50	150
	13	54	56	75	75	150
2.50x4.00m	55	85	108	without closure		
	50	72	81	25	25	75
	36	46	51	50	50	150
	22	46	51	75	75	150
2.00x4.00m	70	108	108	without closure		
	64	86	90	25	25	75
	46	59	66	50	50	150
	28	57	59	75	75	150

¹⁾ Max. closure width x possible on both short sides of the table (A) at the same time.

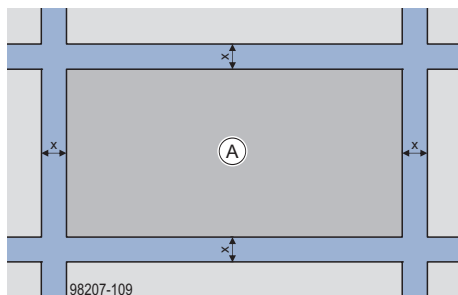


Schematic

Closure on long and short sides of the tables [cm]

Table format	Number of floor props per primary profile			Max. closure width x ¹⁾
	2	3	4	
2.50x5.00m	30	56	73	20
	19	47	58	40
	16	43	52	50
	13	40	46	60
	—	35	38	80
2.00x5.00m	—	29	32	100
	42	71	95	20
	25	60	78	40
	21	55	71	50
	17	52	66	60
2.50x4.00m	—	45	57	80
	—	40	51	100
	48	68	88	20
	42	58	64	40
	34	51	57	50
2.00x4.00m	29	46	51	60
	21	38	42	80
	15	32	35	100
	60	86	108	20
	53	71	91	40
2.00x4.00m	47	66	83	50
	38	61	76	60
	27	53	66	80
	21	47	58	100

¹⁾ Max. closure width x possible on both long and short sides of the table (A) at the same time.



Schematic

Structural design example for 'Closure on long and short sides of the tables':

- Basic data:
 - Slab thickness 30 cm
 - Table format 2.50x5.00m
 - 2 floor props per primary profile
- Result: Max. closure width x = 20 cm possible in all directions at the same time.

Permitted influence width e of the filler supports

- On the basis of the specified slab thickness, determine the permissible influence width of the filler supports.

Factors influencing permissible influence width:

- Required closure width
- Closure option

Permissible influence width e

Max. closure width x		25		50		75		100	125	150
Closure option		1	2	1	2	1	2	3	3	3
Slab thickness	20	177	250	146	250	130	250	250	197	137
	30	162	250	133	250	119	215	250	196	142
	40	150	250	124	250	109	165	200	150	109
	50	141	250	117	221	88	134	162	121	88
	60	135	250	111	186	74	112	136	102	74
	70	129	250	96	160	64	97	117	88	64
	80	125	250	85	142	57	86	104	78	57
	90	122	250	77	128	51	78	94	70	51
	100	118	250	70	116	47	71	85	64	47
	108	116	241	65	108	43	66	80	60	43

Dimensions in cm

Sheet type of the closure

- Check that the selected sheet type for the closure is suitable for the specified slab thickness.

Factors influencing max. slab thickness:

- Type of sheet
- Span

Max. slab thickness d

Span s	3-SO 21mm	3-SO 27mm	Dokaplex 18mm	Dokaplex 21mm	DokaPly eco 18mm	DokaPly eco 21mm
	Max. slab thickness d					
20	108*	108*	108*	108*	108*	108*
25	108*	108*	108*	108*	108*	108*
30	90	108*	108*	108*	108*	108*
35	55	108*	108*	108*	108*	108*
40	37	108	108	108*	98	108*
45	25	78	108	108	70	100
50	—	58	99	108	53	75
55	—	46	61	103	41	58
60	—	32	41	67	33	47
65	—	21	28	47	26	38
70	—	—	19	33	17	32
75	—	—	—	24	—	23

^{*)} also complies with L/300

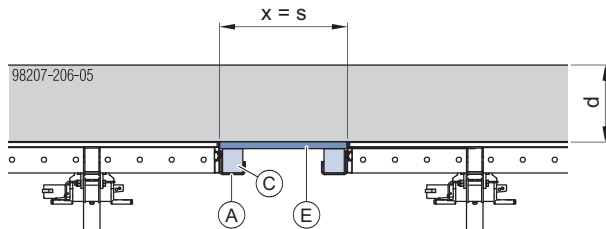
Dimensions in cm

Closure options

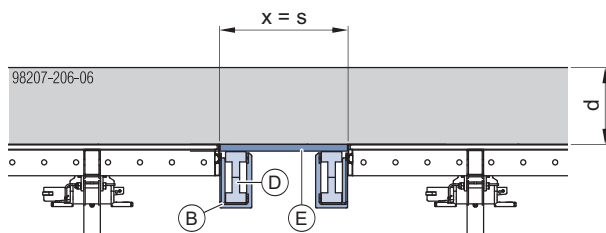
Closure option 1

Configuration with DokaXdek squared timber supports 8x10cm, DokaXdek beam supports H20 or DokaXdek table panels.

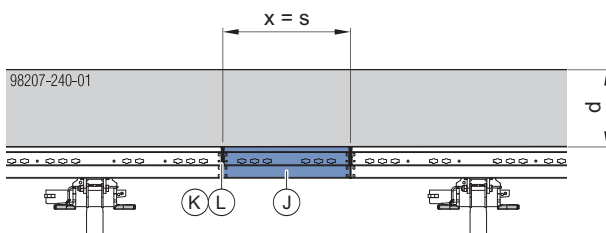
Closures between DokaXdek tables



with squared timber supports

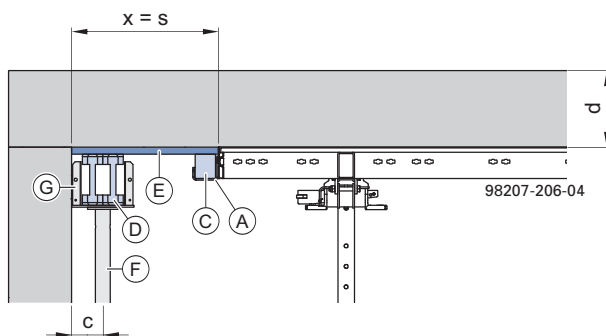


with beam supports

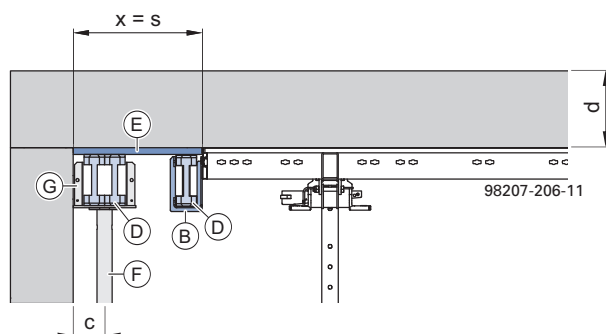


with table panels

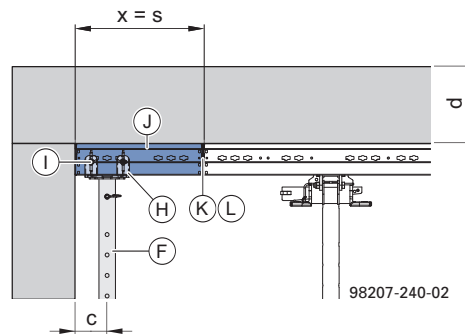
Closures along wall connections



with squared timber supports



with beam supports



with table panels

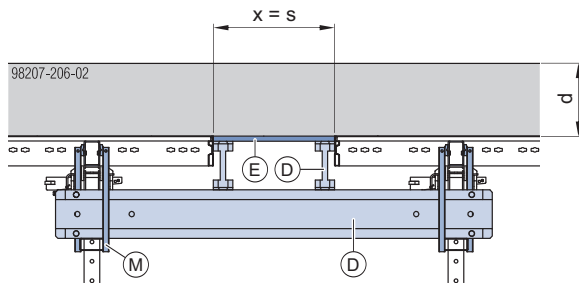
c ... max. 25 cm
d ... slab thickness
s ... span
x ... closure width

- A** DokaXdek squared timber support 8x10cm
- B** DokaXdek beam support H20 18mm, 21mm or 27mm
- C** Squared timber (C24 grade)
- D** Doka beam H20
- E** Formwork sheet
- F** Doka floor prop
- G** 4-way head H20
- H** DokaXdek prop connection T
- I** Safety pin D20/195
- J** DokaXdek table panel
- K** Centring connector 15.0
- L** Centring nut 15.0

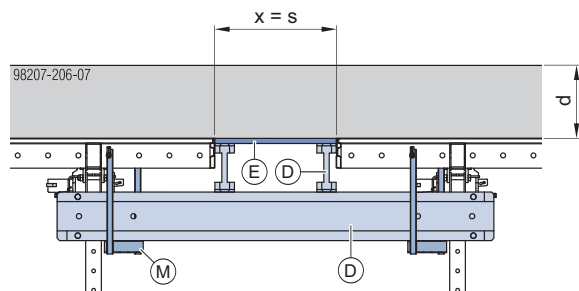
Closure option 2

Configuration with suspension clamps without additional propping.

Closures between DokaXdek tables

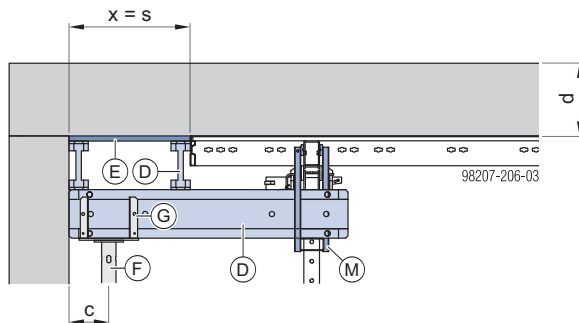


Suspension clamps in the primary profile

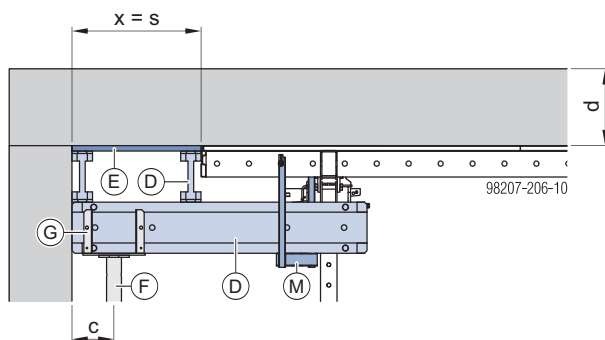


Suspension clamps in the function profile (between primary profile and frame profile)

Closures along wall connections



Suspension clamps in the primary profile



Suspension clamps in the function profile (between primary profile and frame profile)

c ... max. 25 cm
d ... slab thickness
s ... span
x ... closure width

D Doka beam H20 (2 as secondary beams)

E Formwork sheet 18mm, 21mm or 27mm

F Doka floor prop

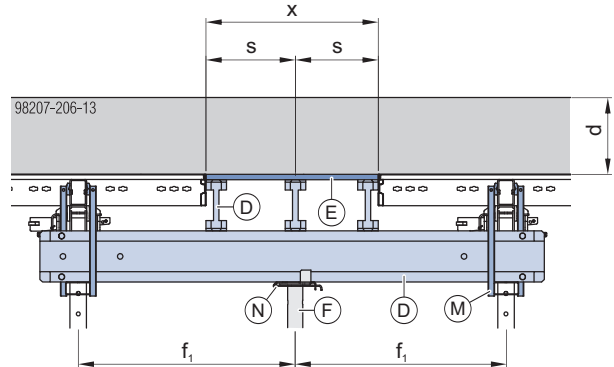
G 4-way head H20

M DokaXdek suspension clamp T 18mm, 21mm or 27mm

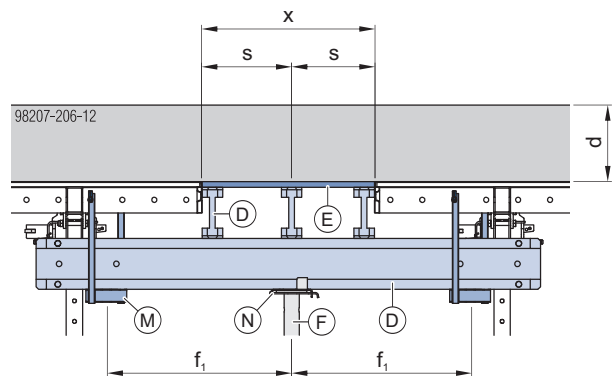
Closure option 3

Configuration with suspension clamps and additional propping.

Closures between DokaXdek tables

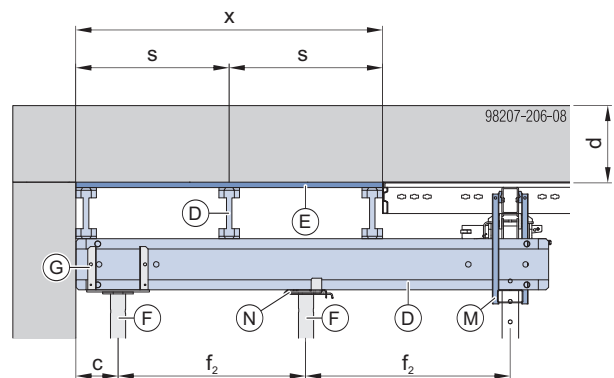


Suspension clamps in the primary profile

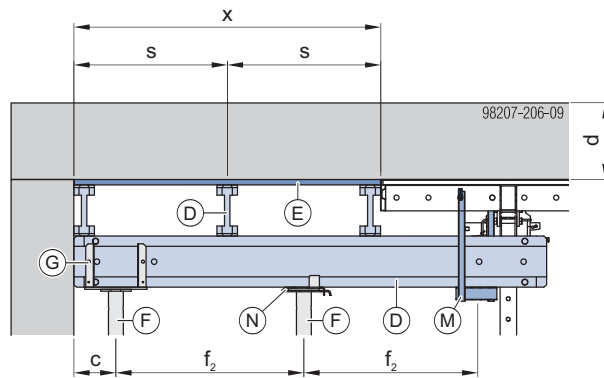


Suspension clamps in the function profile

Closures along wall connections



Suspension clamps in the primary profile



Suspension clamps in the function profile

c ... max. 25 cm
 d ... slab thickness
 f₁ ... max. 125 cm
 f₂ ... max. 90 cm
 s ... span
 x ... closure width

D Doka beam H20 (at least 3 as secondary beams)

E Formwork sheet

F Doka floor prop

G 4-way head H20

M DokaXdek suspension clamp T 18mm, 21mm or 27mm

N Supporting head H20 DF

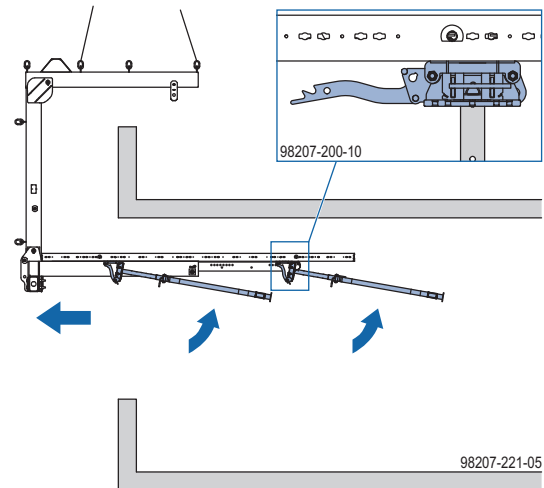
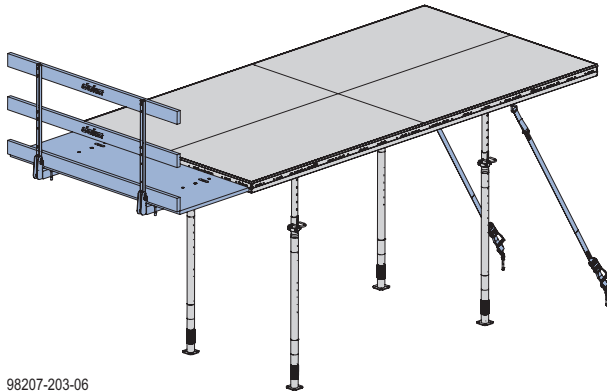
Edge tables

Different mounted parts can be integrated on the short and long sides of tableforms in the edge zone:

- DokaXdek table panels
- Table platforms
- Edge protection
- Slab stop-ends
- Drop beams



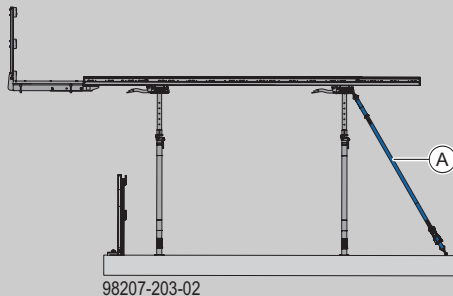
If possible, pre-mount the attachments to the tableforms on the floor, while these are still on the stack.



CAUTION

Risk of tipping over with edge tables or tables with accessories installed (e.g. due to cantilevering platforms, edge props that have been relocated towards the inside, slab stop-ends, table panels, drop beams)!

- Secure all edge tables **by tying back (A)** every primary beam in the inner cantilever zone of the table.
- Do not release tables from the shifting device until tip-up protection has been installed, e.g. attachment to the structure with bracings or supports.
- Also applies when tables are set down or put into temporary storage.



For details of the tie-back, see the section headed [Tie-back solutions](#).

Note:

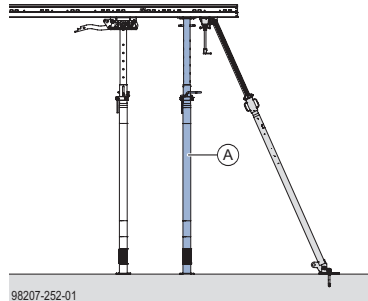
Always position the tables so that the swivel head latch points towards the edges of the floor-slabs (in the direction in which the tables will later be removed).

Tie-back solutions

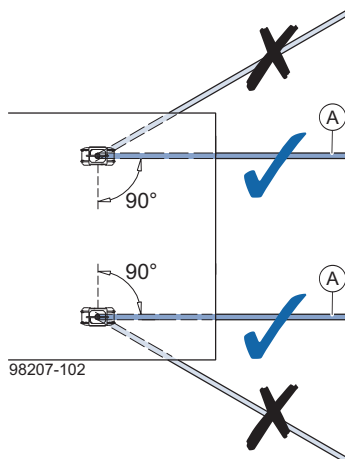


NOTICE

- When calculating the leg loads, allow for the additional forces imposed by the bracing!
 - If tensile force exceeds 10 kN, prop the table with an additional floor prop **(A)** in the area of the bracing.



- Attach the bracing in such a way that the tableform is held in both directions and secured against twisting.
- Direction of pull of the bracing **(A)** always 90° to the tableform. Oblique pull is not permitted!



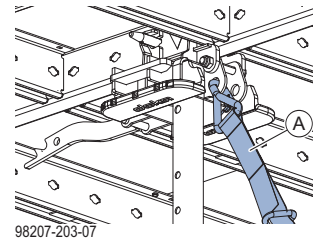
Lashing strap 5.00m



Follow the directions in the 'Lashing strap 5.00m' and 'Doka express anchor 16x125mm' User Information booklets.

Tie-back attached to the DokaXdek swivel head

- Hook the Lashing strap 5.00m directly into the DokaXdek swivel head and secure it to the floor.



A Lashing strap 5.00m

Permitted tensile force per lashing strap: 10 kN

Tie-back in primary profile or function profile

- Insert Tie rod 15.0 or safety pin into primary profile or function profile, as applicable.
- Loop a Lashing strap 5.00m round the Tie rod 15.0 or hook it to the safety pin and secure it to the floor.

Practical examples

with Tie rod 15.0	with Safety pin D20 195

A Lashing strap 5.00m

B Triangle

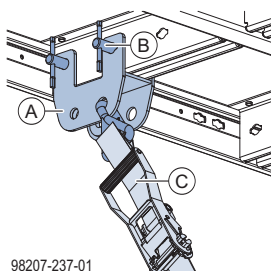
C Tie rod 15.0

D Safety pin D20 195

Permitted tensile force per lashing strap: 9.5 kN

Tie-back attached to DokaXdek plumbing strut adapter T

- Secure the plumbing strut adapter to the function profile or the primary profile with 2 safety pins.
- Hook the lashing strap into the plumbing strut adapter and secure it to the floor.



A DokaXdek plumbing strut adapter T

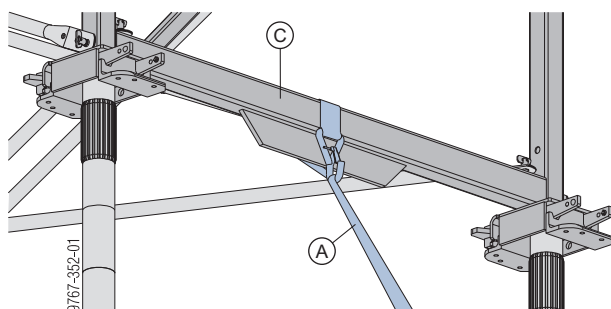
B Safety pin D20 195

C Lashing strap 5.00m

Permitted tensile force per lashing strap: 10 kN

Tie-back attached to Table frame 1.50m

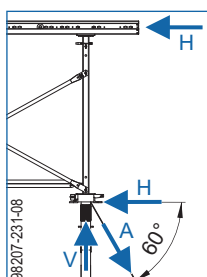
- Pass the Lashing strap 5.00m around the bottom profile of the table frame.



A Lashing strap 5.00m

C Table frame 1.50m

Permitted tensile force for tie-back at the Table frame 1.50m: 5 kN



H ... horizontal force

V ... resulting vertical force from H

A ... tie-back force

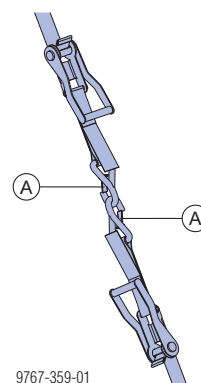
Tie-backs for high tableforms

If necessary, two Lashing straps 5.00m can be joined together to form a longer back-stay.



NOTICE

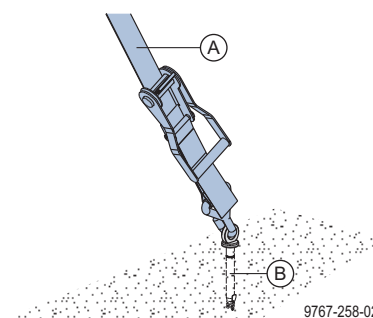
Only Lashing straps 5.00m **with spring-loaded locking flap** may be used!



A Lashing strap 5.00m (with spring-loaded locking flap)

Anchoring in the ground

- Prepare an anchorage point in the ground with the Doka express anchor.
- Attach the lashing strap and tighten it.



A Lashing strap 5.00m

B Doka express anchor

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

Permitted load where $f_{ck, cube, current} \geq 10 \text{ N/mm}^2$:
 $F_{perm.} = 10.0 \text{ kN}$ ($R_d = 15.0 \text{ kN}$)



Follow the directions in the 'Doka express anchor 16x125mm' and 'Lashing strap 5.00m' User Information booklets.

Always perform a static check if other-make heavy-duty dowels are used to fabricate anchorages in the floor slab.

Follow the manufacturers' applicable fitting instructions.

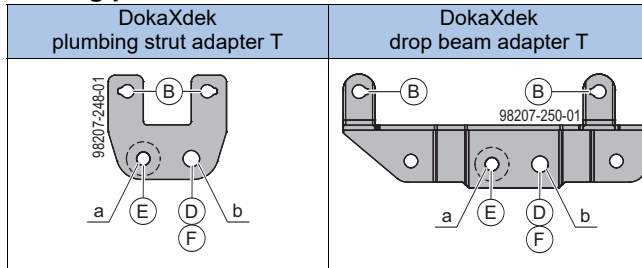
Plumbing struts

Bracing attached to Plumbing strut adapter T



Drop beam adapter T can be used as an alternative to Plumbing strut adapter T.

Pinning positions



a ... diam. 21.5 mm (welded on spacer)

b ... diam. 26 mm

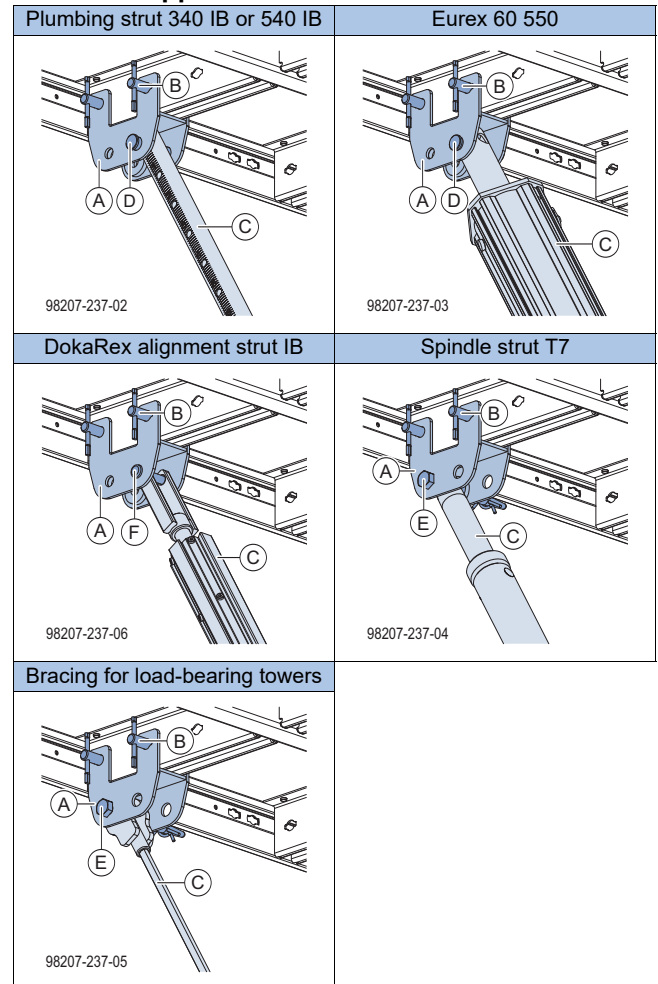
Installation:

- ▶ Secure the adapter to the function profile or the primary profile with 2 safety pins.
- ▶ Attach the support by inserting the corresponding pin into the hole provided for the purpose in the adapter and secure the pin.
- ▶ Secure the support to the floor with Doka express anchor or anchors.

For tensile forces above 10 kN, dimension the tables according to the specific project!

- Observe the permissible slab thicknesses, prop loads and load-bearing capacities in the relevant User Information booklets.
- Support the table with an additional floor prop in the area of the bracing.

Possible supports



- A DokaXdek plumbing strut adapter T or drop beam adapter T
- B Safety pin D20 195
- C Support
- D Bolt D25/93.5 + linchpin 6x42 St galvanised (included in the scope of supply of the support)
- E Connecting pin 25cm + Spring cotter 5mm
- F DokaRex formwork-adapter pin set

Anchoring in the ground

- ▶ Prepare an anchorage point in the ground with the Doka express anchor (see the section headed [Anchoring in the ground](#)).



NOTICE

If tensile or compressive force is 13.5 kN or higher, secure each support to the floor with 2 Doka express anchors.

- **Anchoring the support to the floor with 1 express anchor:**
 - Permitted tensile and compressive forces: 13.5 kN (60° propping angle)
- **Anchoring the support to the floor with 2 express anchors:**
 - Permitted tensile and compressive forces: 27 kN (60° propping angle)

Bracing at prop head

Using plumbing struts, DokaXdek tables can be fixed at right angles to or in line with the function profile.



WARNING

Malfunction, culminating in falling parts when the concrete is being compacted!

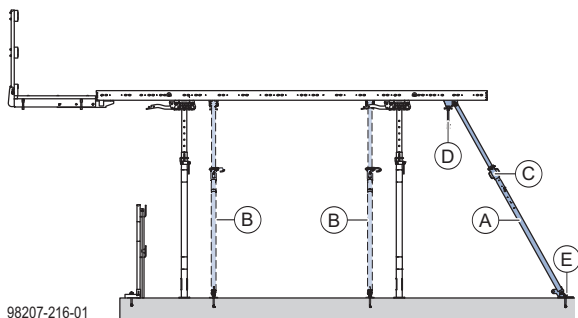
- ▶ Always tighten the star grip nut on the prop head with blows of a hammer or with a suitable tool.

Tightening torque: 80 Nm (16 kg with lever length 50 cm)



WARNING

- ▶ Check the connections between the plumbing struts and the tableform before repositioning the table.



A Fixed at right angles to the function profile

B Fixed in line with the function profile

C Plumbing strut 340 IB or 540 IB

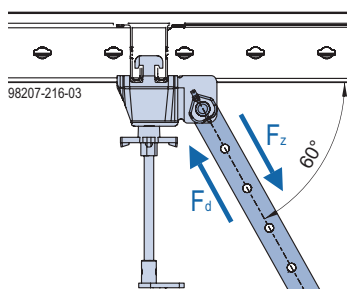
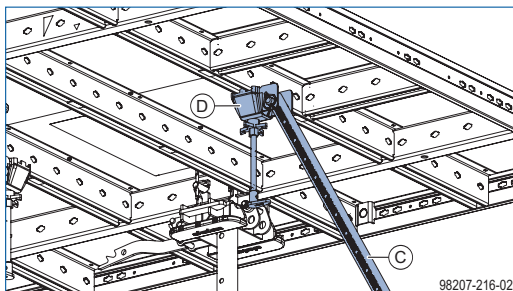
D Prop head EB

E Doka express anchor 16x125mm

Fixed at right angles to the function profile

Permitted tensile force F_z per plumbing strut: 13.5 kN

Permitted compressive force F_d per plumbing strut: 7.5 kN



C Plumbing strut 340 IB or 540 IB

D Prop head EB

Fixed in line with the function profile

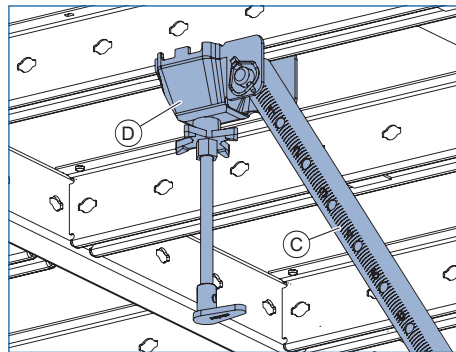
Permitted tensile force F_z per plumbing strut: 5 kN

Compressive loading of the plumbing strut is prohibited!

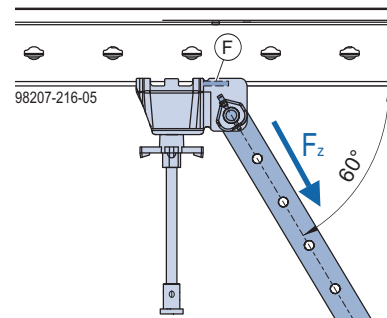


NOTICE

Always install the prop head securely form-fitted to the primary profile or drawn metal sheet.



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C Plumbing strut 340 IB or 540 IB

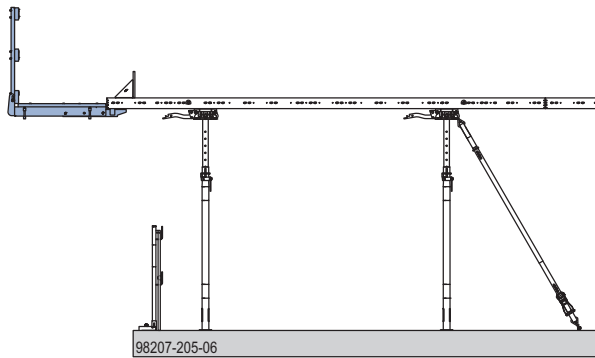
D Prop head EB

F Drawn metal sheet

Anchoring in the ground

- ▶ Prepare an anchorage point in the ground with the Doka express anchor (see the section headed [Anchoring in the ground](#)).

Edge table with platform



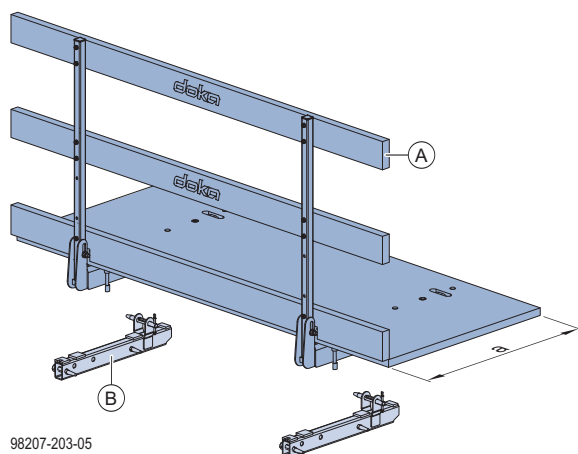
Dokamatic table platform

A pre-assembled, foldable, ready-to-use platform, 1.00 m wide, for convenient and safe working.

- 2 lengths of platform are available:
 - 2.45m: Dokamatic table platform 1.00/2.50m for 2.50m wide tables
 - 1.95m: Dokamatic table platform 1.00/2.00m for 2.00m wide tables
- Installable on short side (primary profile) and long side (function profile) of the table.

Please note: Two Dokamatic table platforms 1.00/2.00m cannot be mounted on the long side of a 4 m table because the design does not permit them to be securely fixed in place.

- High safety for edge tables.
- Easy to mount - a hammer is the only tool needed.
- Integral connectors for system stop-end formwork.
- Fold-down railing to facilitate moving edge tables into the inside of the building.



a ... 1.00m

- A** Dokamatic table platform
- B** DokaXdek platform adapter T

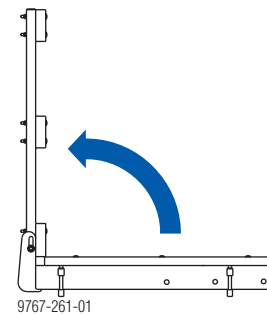
Permissible service load: 200 kg/m²

Load Class 3 to EN 12811-1:2003

Assembly

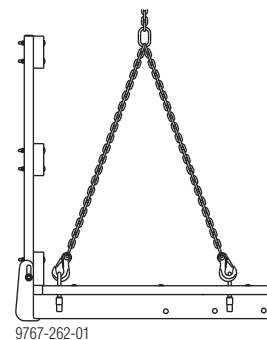
Preparation:

- Tilt up the guard rails and lock them in position.



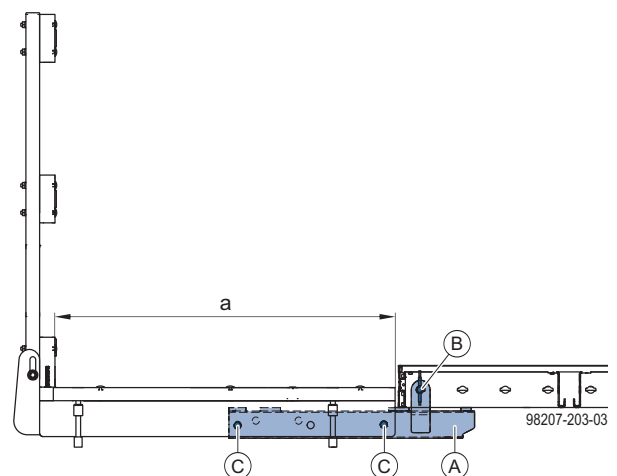
Repositioning:

- Attach a 4-part lifting chain (e.g. Doka 4-part chain 3.20m) to the Dokamatic table platform.



Means of attachment:

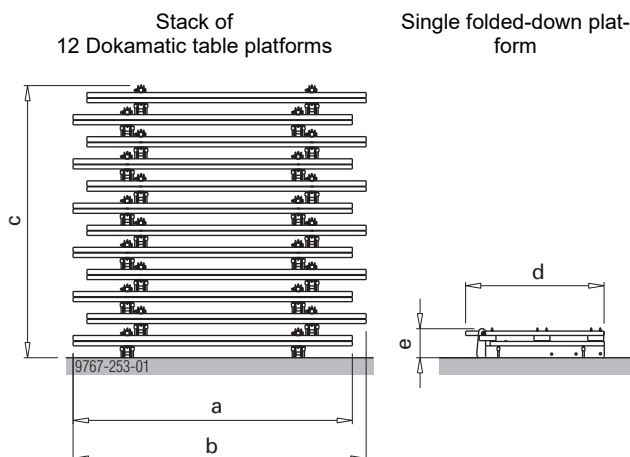
- On the short side or long side of each platform, install 2 Platform adapters T spaced at 150 cm and secure each adapter with one safety pin.
- Place the Dokamatic table platform onto the Platform adapter T, and secure it with Connecting pins 10cm and spring cotters.



Example: Installation on short side (primary profile)
a ... 1.00 m

- A** DokaXdek platform adapter T
- B** Safety pin D20 195
- C** Connecting pin 10cm + Spring cotter 5mm

Transporting, stacking and storing



Dimensions [cm]

	Dokamatic table platform	
	1.00/2.50m	1.00/2.00m
a	245.0	195.0
b	253.0	203.0
c	239.0	
d	122.0	
e	25.5	

Sideguards on exposed platform-ends

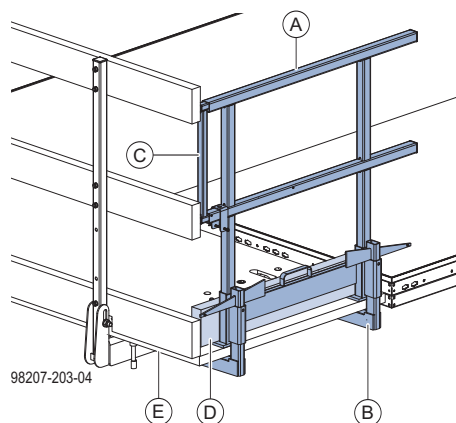
On platforms that do not completely encircle the structure, suitable sideguards must be placed across exposed end-of-platform zones.

Note:

The plank and board thicknesses given here comply with the C24 category of EN 338.

Observe all national regulations applying to deck-boards and guard-rail boards.

Side handrail clamping unit T



A Side handrail clamping unit T

B Clamping part

C Integrated telescopic railing

D Guardrail board min. 15/3 cm (site-provided)

E Dokamatic table platform

Installation:

- Use the wedge (clamping range 4 to 6 cm) to fasten the clamping part to the decking of the pouring platform.
- Slot in the railing.
- Extend the telescopic railing to the desired length and secure it.
- Insert toeboard (guardrail board).

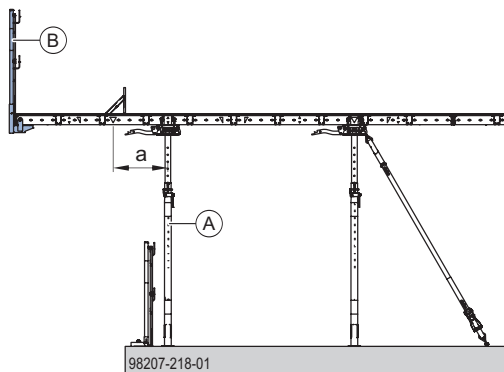
Edge table without platform

Moving floor props



NOTICE

- ▶ The unloaded cantilever (working area) influences deflection. Check the positioning of the floor props separately for each project and, if necessary, move them farther inward.
- ▶ Move the outer floor props **(A)** 37.5 cm farther in (**a**) than for the standard table. This leaves a sufficiently large area of table free to work on beyond the stop-end.



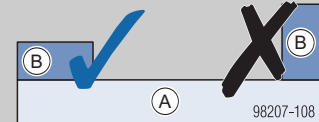
- A** Doka floor prop
B Xsafe edge protection XP

Installing table panels



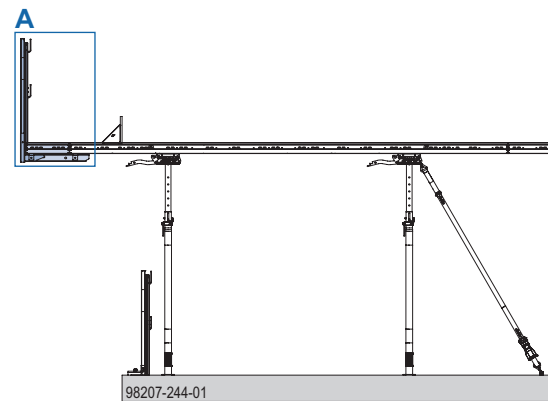
WARNING

- ▶ Install table panels **(B)** only with the long side on the table **(A)**.

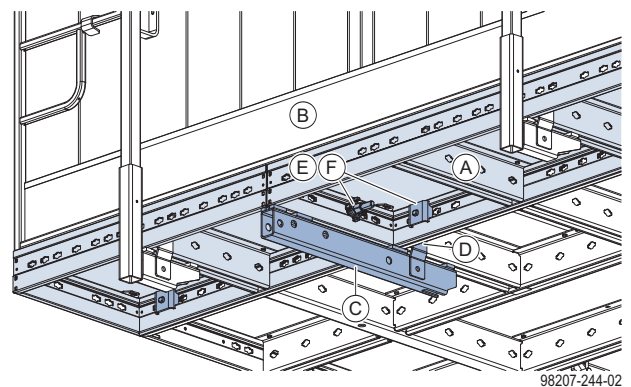


- ▶ Do not step onto cantilevering table panels of edge tables unless the table panels are supported on platform adapters or universal walings.
- ▶ Additional propping is required for cantilevering table panels at edge tables if concreting loads are to be transferred to them.

For installing the table panels, see section [DokaXdek table panels](#).



Close-up A



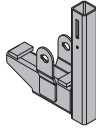
- A** DokaXdek table panel
B Xsafe edge protection XP
C DokaXdek platform adapter T
D Safety pin D20 195
E Centring connector 15.0
F Centring nut 15.0

Xsafe edge protection XP



Follow the directions in the 'Xsafe edge protection XP' User Information booklet.

DokaXdek table adapter XP

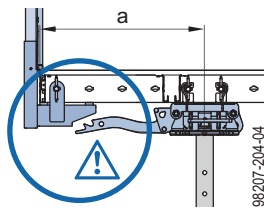


Used together with the Handrail post XP to construct all-round safety barriers on the DokaXdek table.

- Suitable for all sizes of table.
- Suitable for railing heights of 1.20 m and 1.80 m.
- Can be installed on the primary profile or the function profile.

Note:

Distance **a** between floor props and table edge ≤ 62.5 cm: Collision of the Table adapter XP with the swivel head during installation and when the swivel function is used.

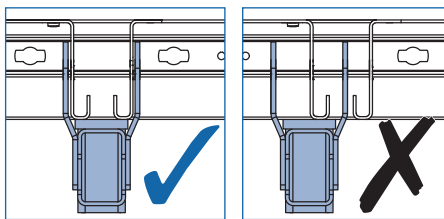


Installation:

- Secure the DokaXdek table adapter XP to the primary profile or function profile of the DokaXdek table with safety pins.



Position the table adapter centred along the function profile.



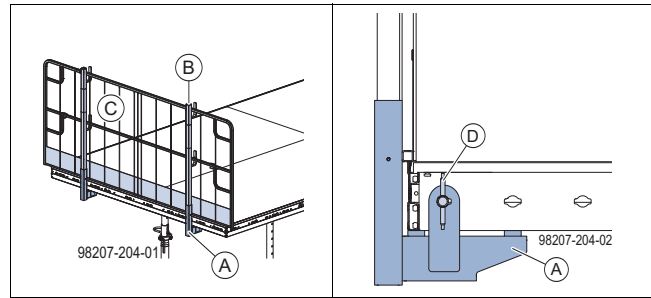
98207-204-03

- Working from below, push the Toeboard holder XP onto the Handrail post XP (not needed when using the Protective grating XP).
- Push the Handrail post XP into the post holder of the DokaXdek table adapter XP until the locking mechanism engages (= 'Easy-Click' function).



- The locking mechanism must engage.
- The railing shackles must be facing towards the inside of the railing.

- Fit on a Protective grating XP or guardrail boards, and fix them in place.



A DokaXdek table adapter XP

B Handrail post XP

C Protective grating XP or guardrail boards (site-provided)

D Safety pin D20 195

Structural design



- The span of the handrail posts is roughly equal to the influence width e if
 - they are evenly spaced,
 - the guardrail boards are either continuous or are jointed at the handrail posts, and
 - there are no cantilevering projections.
- The wind conditions likely to be encountered in Europe, in accordance with EN 13374, are largely recognised by the peak velocity pressure $q=0.6$ kN/m² (highlighted grey in the tables).

Use in combination with Handrail post XP 1.20m

Peak velocity pressure q [kN/m ²]	Permissible influence width 'e' [m]									
	Protective grating XP 2.70x1.20m	Guardrail boards								Gap-free boarding
		2.5 x 12.5 cm ¹⁾	2.4 x 15 cm	3 x 15 cm	4 x 15 cm	3 x 20 cm	4 x 20 cm	5 x 20 cm	Scaffold tubes 48.3mm ²⁾	
0.2	2.5	1.8	1.9	2.7	3.6	2.9	3.4	3.4	5.0	1.9
0.6		1.8	1.9	2.7	3.4	2.4	2.4	2.4	5.0	1.3
1.1		1.8	1.8	1.8	1.8	1.3	1.3	1.3	5.0	0.7
1.3		1.8	1.6	1.6	1.6	1.1	1.1	1.1	4.4	0.6

¹⁾ with toeboard 3 x 20 cm, 4 x 20 cm or 5 x 20 cm

²⁾ with toeboard 5 x 20 cm

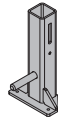
Use in combination with Handrail post XP 1.20m and 0.60m or Handrail post XP 1.80m

Peak velocity pressure q [kN/m ²]	Permissible influence width 'e' [m]									
	Protective gratings XP 2.70x1.20m and 2.70x0.60m	Guardrail boards								Gap-free boarding
		2.5 x 12.5 cm ¹⁾	2.4 x 15 cm	3 x 15 cm	4 x 15 cm	3 x 20 cm	4 x 20 cm	5 x 20 cm	Scaffold tubes 48.3mm ²⁾	
0.2	2.5	1.8	1.9	2.7	3.6	2.9	3.3	3.3	5.0	1.6
0.6		1.8	1.9	2.6	2.6	1.9	1.9	1.9	5.0	0.9
1.1		1.7	1.4	1.4	1.4	1.1	1.1	1.1	4.6	0.5
1.3		1.5	1.2	1.2	1.2	0.9	0.9	0.9	3.9	0.4

¹⁾ with toeboard 3 x 20 cm, 4 x 20 cm or 5 x 20 cm

²⁾ with toeboard 5 x 20 cm

DokaXdek screw-on adapter XP T



Used together with the Handrail post XP to construct all-round safety barriers on the DokaXdek table and DokaXdek table panels.

- Suitable for all sizes of table.
- Suitable for railing heights of 1.20 m and 1.80 m.
- Installable in each cross hole in the frame profile.

Installation:



WARNING

Malfunction, culminating in falling parts when the concrete is being compacted!

- Always tighten the centring nut with a blow of a hammer or by using some other suitable tool.

Tightening torque: 80 Nm (16 kg with lever length 50 cm)

- Secure DokaXdek screw-on adapter XP T to the frame profile with Centring nut 15.0.



The Friction type ratchet SW27 or Box spanner 27 0.65m can be used for low-noise releasing and tightening of the Centring nut 15.0.

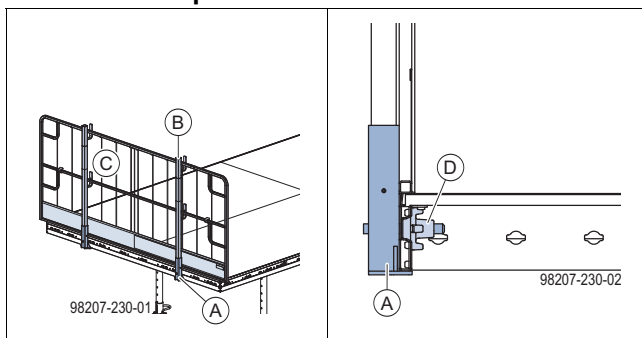
- Working from below, push the Toeboard holder XP onto the Handrail post XP (not needed when using the Protective grating XP).
- Push the Handrail post XP into the post holder of the DokaXdek screw-on adapter XP T until the locking mechanism engages (= 'Easy-Click' function).



- The locking mechanism must engage.
- The railing shackles must be facing towards the inside of the railing.

- Fit on a Protective grating XP or guardrail boards, and fix them in place.

Practical example



- A DokaXdek screw-on adapter XP T
- B Handrail post XP
- C Protective grating XP or guardrail boards (site-provided)
- D Centring nut 15.0

Structural design



- The span of the handrail posts is roughly equal to the influence width e if
 - they are evenly spaced,
 - the guardrail boards are either continuous or are jointed at the handrail posts, and
 - there are no cantilevering projections.
- The wind conditions likely to be encountered in Europe, in accordance with EN 13374, are largely recognised by the peak velocity pressure $q=0.6 \text{ kN/m}^2$ (highlighted grey in the tables).

Use in combination with Handrail post XP 1.20m

Peak velocity pressure q [kN/m ²]	Permissible influence width 'e' [m]								
	Protective grating XP 2.70x1.20m	Guardrail boards							
		2.5 x 12.5 cm ¹⁾	2.4 x 15 cm	3 x 15 cm	4 x 15 cm	3 x 20 cm	4 x 20 cm	5 x 20 cm	Scaffold tubes 48.3mm ²⁾
0.2	2.5	1.8	1.9	2.7	3.6	2.9	3.4	3.4	5.0
0.6		1.8	1.9	2.7	3.4	2.4	2.4	2.4	5.0
1.1		1.8	1.8	1.8	1.8	1.3	1.3	1.3	5.0
1.3		1.8	1.6	1.6	1.6	1.1	1.1	1.1	4.4
									Gap-free boarding
									1.9
									1.3
									0.7
									0.6

¹⁾ with toeboard 3 x 20 cm, 4 x 20 cm or 5 x 20 cm

²⁾ with toeboard 5 x 20 cm

Use in combination with Handrail post XP 1.20m and 0.60m or Handrail post XP 1.80m

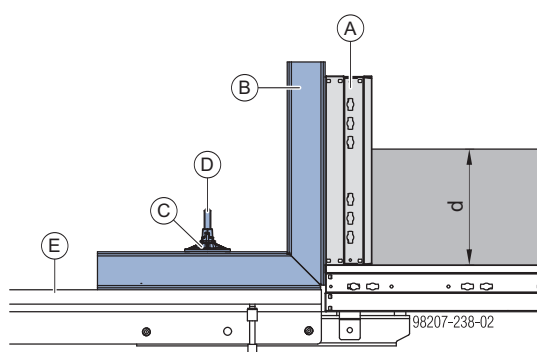
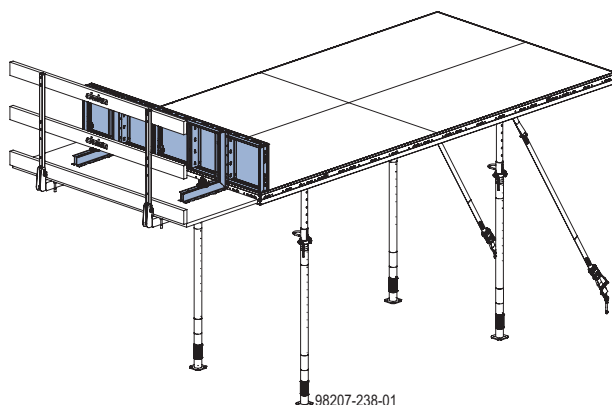
Peak velocity pressure q [kN/m ²]	Permissible influence width 'e' [m]								
	Protective gratings XP 2.70x1.20m and 2.70x0.60m	Guardrail boards							
		2.5 x 12.5 cm ¹⁾	2.4 x 15 cm	3 x 15 cm	4 x 15 cm	3 x 20 cm	4 x 20 cm	5 x 20 cm	Scaffold tubes 48.3mm ²⁾
0.2	2.5	1.8	1.7	1.7	1.7	1.2	1.2	1.2	5.0
0.6	2.5	1.8	1.8	1.8	1.8	1.2	1.2	1.2	5.0
1.1	1.6	1.1	1.0	1.0	1.0	0.7	0.7	0.7	4.6
1.3	1.4	1.0	0.8	0.8	0.8	0.6	0.6	0.6	3.9
									Gap-free boarding
									0.6
									0.6
									0.3
									0.3

¹⁾ with toeboard 3 x 20 cm, 4 x 20 cm or 5 x 20 cm

²⁾ with toeboard 5 x 20 cm

Edge shuttering

with Framax universal corner waling



d ... slab thickness max. 44 cm (with table panel) or 50 cm (with framed formwork panel)

A DokaXdek table panel (or framed formwork panel)

B Framax universal corner waling

C Super plate 15.0

D Tie rod 15.0 (length approx. 25 cm)

E Dokamatic table platform

Connect table panels to each other with 2 Centring connectors 15.0 and Centring nuts 15.0.

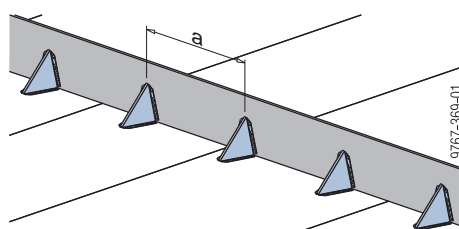
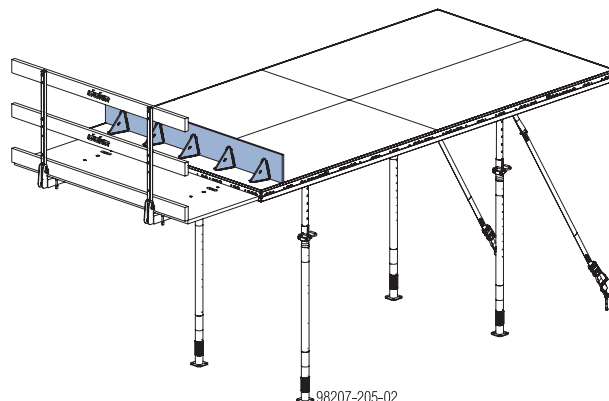
Note:

After erecting the formwork and final adjustments have been made, firmly tighten the Super plate 15.0 once again (to pre-tension it).

Max. loading of the Dokamatic table platform during pouring: 150 kg/m²

Load Class 2 to EN 12811-1:2003

with Universal end-shutter support 30cm



		Max. influence width 'a' at slab thickness [cm]		
Means of attachment	Configuration	20	25	30
4 nails 3.1x80	A	90	50	30
4 universal countersunk screws 4x40 (fully threaded)	B	220	190	160

Configuration A (secured with nails)	Configuration B (secured with universal countersunk screws)

d ... slab thickness max. 30 cm

A Universal end-shutter support 30cm

B Nail 3.1x80

C Doka formwork sheet 3-SO

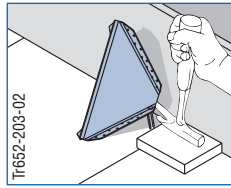
D Universal countersunk screw 4x40 (fully threaded)

E Doka beam H20

F Dokamatic table platform

**Tip for stripping formwork:**

- ▶ Take out the nails on the stop-end side.
- ▶ Put the claw of a hammer under the corner (put a piece of wood under it to protect the formwork sheeting)
- ▶ Lever up the end-shutter support.



Xsafe edge protection XP

Concreting loads can also be transferred directly into the following adapters of the Xsafe edge protection XP via the stop-end:

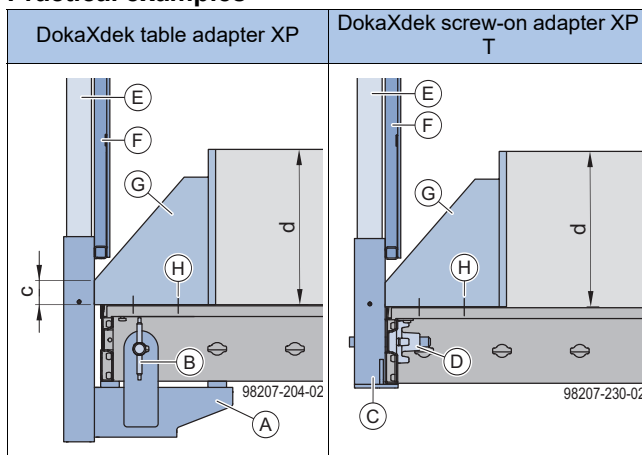
- [DokaXdek table adapter XP](#)
- [DokaXdek screw-on adapter XP T](#)

**NOTICE**

Fix the stop-end to the table (e.g. with nails) to prevent it from being lifted out!



Follow the directions in the 'Xsafe edge protection XP' User Information booklet!

Practical examples

c ... max. 5 cm

d ... slab thickness max. 50 cm

- A** DokaXdek table adapter XP
- B** Safety pin D20 195
- C** DokaXdek screw-on adapter XP T
- D** Centring nut 15.0
- E** Handrail post XP
- F** Protective grating XP or guardrail boards (site-provided)
- G** Stop-end (site-provided)
- H** Fixing to the table (e.g. with nails)

Permissible influence width e [m]¹⁾

Adapter	DokaXdek table adapter XP		DokaXdek screw-on adapter XP T	
	1.20 m	1.80 m	1.20 m	1.80 m
Railing height:	1.20 m	1.80 m	1.20 m	1.80 m
Safety barrier	Protective grating XP 2.70x1.20m	Guardrail boards 5 x 20 cm	Protective grating XP 2.70x1.20m	Guardrail boards 5 x 20 cm
	Guardrail boards 5 x 20 cm	Protective grating XP 2.70x1.20m and 2.70x0.60m	Guardrail boards 5 x 20 cm	Protective grating XP 2.70x1.20m and 2.70x0.60m
	Protective grating XP 2.70x1.20m	Guardrail boards 5 x 20 cm	Protective grating XP 2.70x1.20m	Guardrail boards 5 x 20 cm
	Guardrail boards 5 x 20 cm	Protective grating XP 2.70x1.20m and 2.70x0.60m	Guardrail boards 5 x 20 cm	Protective grating XP 2.70x1.20m and 2.70x0.60m
Slab thickness $d \leq 40$ cm	2.0	1.1	1.4	0.8
Slab thickness $d > 40$ and up to 50 cm	1.4	1.0	1.1	0.7

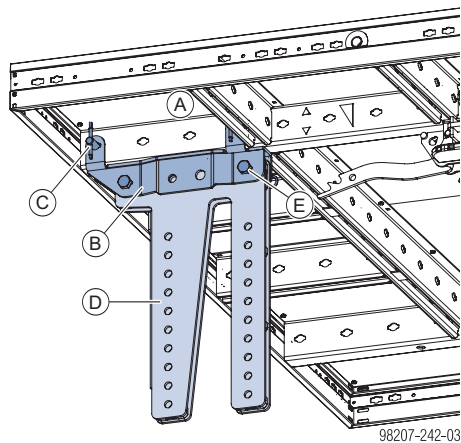
¹⁾ Values apply for peak velocity pressure $q = 1.3 \text{ kN/m}^2$

Edge table with drop-beam formwork

Drop-beam formwork assemblies are installed on the short side or the long side of the DokaXdek table with the DokaXdek drop beam adapter T and the Dokamatic drop beam plate 60cm.

- For drop-beam heights x from 10 to 50 cm (without slab thickness) in the 5-cm grid (adapt intermediate sizes on project-specific basis).
- Max. stop-end height h : 75 cm
- Support for side Doka beams H20.
- Extra anchoring possibilities for custom constructions.
- For repositioning, see section [Repositioning of tables with drop-beam formwork](#).

Installation



- B** DokaXdek drop beam adapter T
- C** Safety pin D20 195
- D** Dokamatic drop beam plate 60cm
- E** Connecting pin 10cm + Spring cotter 5mm

Note:

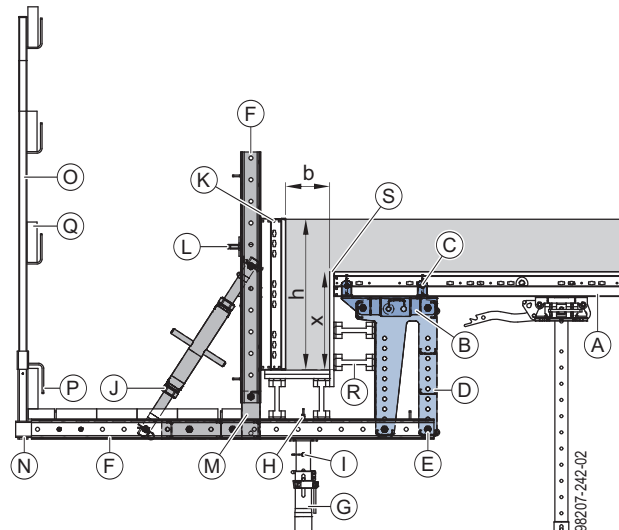
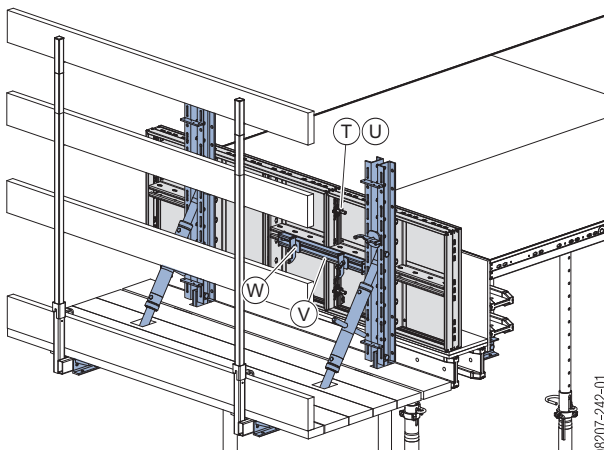
Be aware of possible collision between drop beam plate and swivel head.



NOTICE

Always position floor props centred under the drop beam.

Practical example with spindle strut

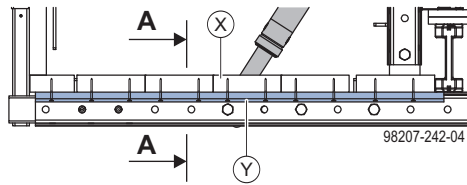
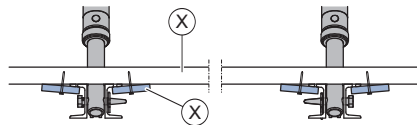


- b ... drop-beam width (dependent on the length of the multi-purpose waling and on the load-bearing capacity of the floor prop)
- h ... stop-end height (incl. slab thickness)
- x ... drop-beam height (without slab thickness)

- A** DokaXdek table (standard version)
- B** DokaXdek drop beam adapter T
- C** Safety pin D20 195
- D** Dokamatic drop beam plate 60cm
- E** Connecting pin 10cm + Spring cotter 5mm
- F** Multi-purpose waling WS10 Top50
- G** Doka floor prop
- H** Dokamatic prop connection
- I** Spring locked connecting pin 16mm
- J** Spindle strut T7 75/110cm
- K** DokaXdek table panel or framed formwork panel (size depends on project)
- L** Framax wedge clamp
- M** Corner plate FF20 G
- N** Insertion adapter XP
- O** Handrail post XP
- P** Toeboard holder XP
- Q** Safety barrier e.g. guardrail boards
- R** Doka beam H20 top
- S** Formwork sheet
- T** Centring connector 15.0
- U** Centring nut 15.0
- V** Frami universal waling 0.70m
- W** Frami wedge clamp

**NOTICE**

Secure the planks (X) with strips of formwork sheeting (Y) so that they cannot tip over (screw down e.g. with Torx 6x60). Always fit the strips of formwork sheeting on the outside U-section of the multi-purpose waling.

**Section A-A**
Permissible influence width [cm] of the support for stop-end (propping with Eurex 30)

Stop-end height h (incl. slab thickness)	Drop-beam width b						
	25	30	40	50	60	70	75
50	175	172	166	160	152	145	142
55	164	160	155	148	142	135	132
60	152	150	145	138	132	125	122
65	141	140	135	130	124	118	114
70	130	130	125	120	115	110	106
75	122	120	117	112	108	102	100

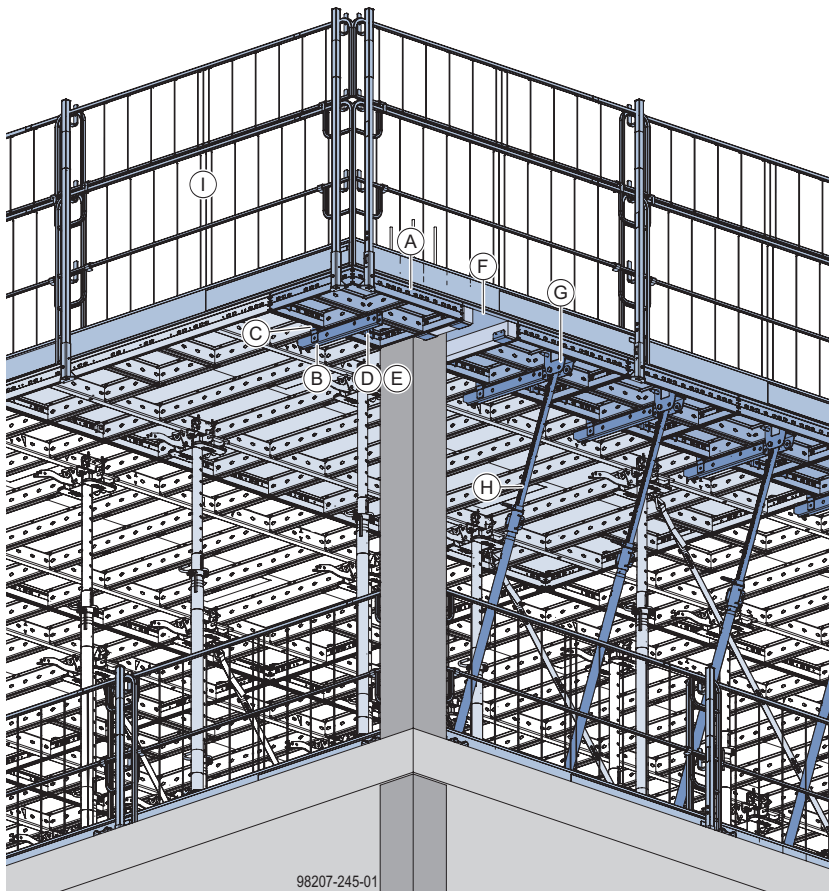
Permissible influence width [cm] of the support for stop-end (propping with Eurex 20)

Stop-end height h (incl. slab thickness)	Drop-beam width b						
	25	30	40	50	60	70	75
50	110	109	105	101	97	92	90
55	103	102	98	94	90	86	83
60	96	95	92	88	83	78	76
65	88	87	84	80	76	71	69
70	79	78	76	73	69	66	64
75	72	71	69	67	64	61	59

Edge table in the corner zone

Safe corner solutions with integrated columns are possible at the slab edge, using the DokaXdek table and a few standard components.

Contact Doka!



- A** DokaXdek table panel
- B** DokaXdek platform adapter T
- C** Safety pin D20 195
- D** Centring connector 15.0
- E** Centring nut 15.0
- F** Closure
- G** DokaXdek plumbing strut adapter T
- H** Plumbing strut 340 IB or 540 IB
- I** Xsafe edge protection XP

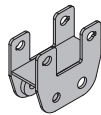
Additional areas of use

Forming inclined floor-slabs



CAUTION

- In the case of inclined slabs, a separate structural-design appraisal and definition of necessary additional measures is always required, e.g. number, alignment and inclination of the plumbing struts, additional floor props.



The DokaXdek plumbing strut adapter T is used for transferring horizontal loads via plumbing struts in situations where DokaXdek tables are being used to form e.g. sloping slabs, or sections of slab along exposed (= no side wall) structure edges.

Features:

- For connecting Plumbing struts 340 IB and Plumbing struts 540 IB.
- For use at slab edges instead of tie-backs (e.g. Lashing strap 5.00m).

- Permissible tensile and compressive forces: 13.5 kN (60° propping angle)
- If tensile forces of over 5 kN occur, follow the directions in the sections [Tie-back solutions](#) and [Bracing attached to Plumbing strut adapter T!](#)



NOTICE

- Transfer of horizontal loads from the following points must be ensured by the plumbing strut connector:
 - imperfection
 - inclinations
 - work operations
 - props not vertical
 - concrete pressure
 - wind
- Take the angle of inclination of the working surface into account for the edge protection system! (See EN 13374).



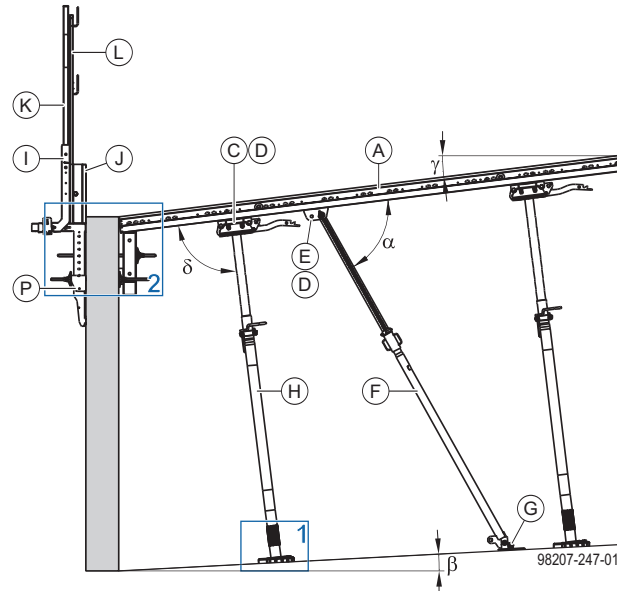
Compensating plates can be used to compensate for floor-slab angles of inclination up to 16 % in all directions.



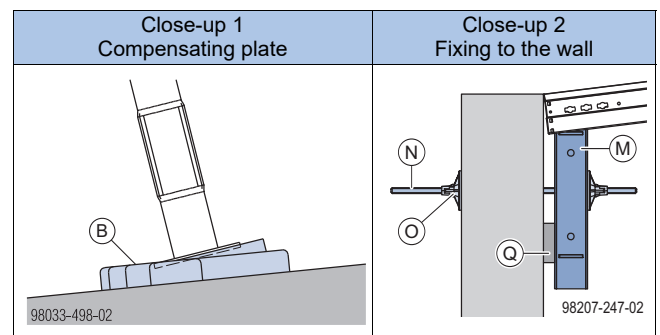
Follow the directions in the 'Doka express anchor 16x125mm' and 'Lashing strap 5.00m' User Information booklets.

Closing the formwork

Practical example



- α ... propping angle approx. 60°
 β ... floor gradient max. 16%
 γ ... slab inclination max. 4%
 δ ... propping angle 90°



- A DokaXdek table
- B Compensating plate
- C DokaXdek swivel head
- D Safety pin D20 195
- E DokaXdek plumbing strut adapter T
- F Plumbing strut 340 IB or Plumbing strut 540 IB
- G Doka express anchor 16x125mm
- H Doka floor prop
- I Doka floor end-shutter clamp
- J Framed formwork panel
- K Handrail post XP 1.20m
- L Protective grating XP 2.70x1.20m
- M Framax universal waling 0.60m
- N Tie rod 15.0
- O Super plate 15.0
- P End-shutter shoe
- Q Wooden spacer (site-provided)

**NOTICE**

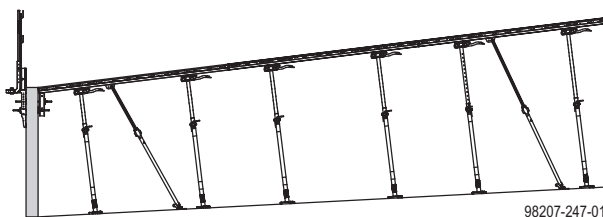
- Ensure the stability of all components and units during all phases of the construction work!
- Because the floor props are out-of-vertical, additional horizontal forces occur!

- Place the DokaXdek table against the wall and align it vertically using the compensating plate (see close-up 1).
- Secure the DokaXdek table to the wall to prevent it from falling over (see close-up 2).
- Install the Plumbing strut adapter T (see section [Bracing attached to Plumbing strut adapter T](#)).

**NOTICE**

- When extending the Plumbing strut IB, only turn the adjusting nut until the strut encounters resistance from above. The table must not be raised.

- Install the plumbing strut and fasten it to the floor.
- Set up further DokaXdek tables and connect them with Centring connectors 15.0 and Centring nuts 15.0.
- Install further plumbing struts.
- Install slab stop-ends and fall protection.



98207-247-01

Pouring

- Before pouring, recheck all floor props.



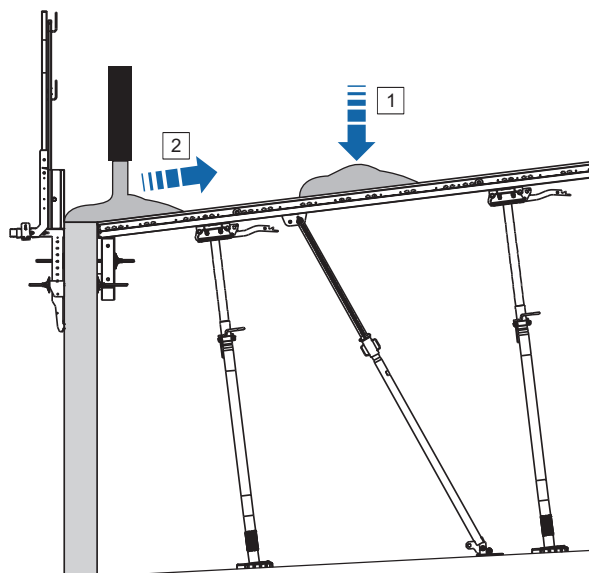
- The fastening clamp **(A)** has to be pushed all the way into the floor prop.
- Adjusting nut **(B)** has to be tightened into contact with the fastening clamp.



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**WARNING****Risk of tipping over!**

- Only start pouring on a supported panel-field.
- Ensure correct pouring direction: Start in the centre of the table **(1)**, then pour from bottom to top **(2)**!



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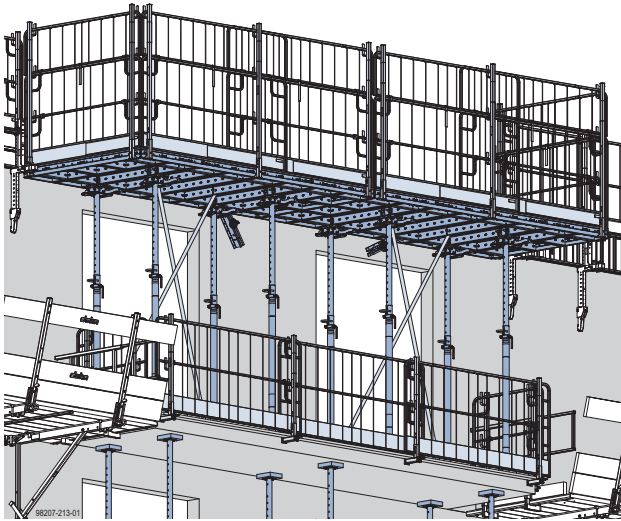
Stripping the formwork

**NOTICE**

- Comply with the stipulated stripping times.
- Always strip out the formwork in reverse order.
- Also observe section [Reshoring props, concrete technology and stripping out](#).

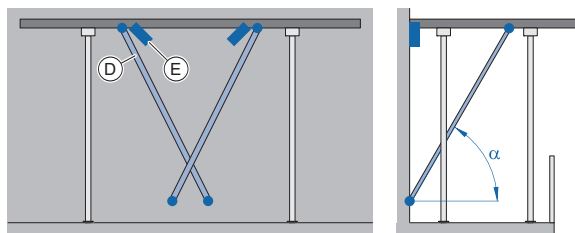
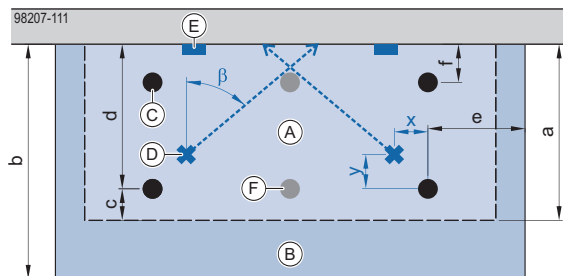
Balcony tables

With the DokaXdek table, balcony tables can be constructed without additional waling planes. To do this, simply install the DokaXdek swivel heads on the table rotated by 90°.



Dimensioning and stabilising

- Max. slab thickness of the balcony without separate static verification: 25 cm (with Floor props Eurex 30)
- When using balcony tables with Floor props Eurex 20, extra propping is required in the middle with 2 additional Floor props Eurex 20 (**F**) .
- Individual planning and dimensioning required:
 - Slab thickness of the balcony >25 cm
 - When constructing balconies with precast parapets.
 - When propping tables with a load-bearing tower or table frame.



- A** Balcony
- B** DokaXdek table
- C** Doka floor prop
- D** Bracing (Lashing strap 5.00m 2G or Lashing strap 5.00m)

E Framax universal waling 0.60m

F Additional propping when using Eurex 20

		DokaXdek table	
		2.00x4.00m	2.50x4.00m
		2.00x5.00m	2.50x5.00m
a	Balcony width	110-160	135-210
b	Table width	200	250
c	Distance of the outer floor props to the longitudinal balcony edge	10 to 22	
d	Distance of the outer floor props to the structure	a minus c Min. 100!	a minus c Min. 125!
e	Distance of the floor props to the transverse edge of the balcony table	50 or 100	
f	Distance of the floor props on the wall side to the structure	25	50
x	Distance of the bracing to the floor prop	100	
y	Distance of the bracing to the floor prop	50	
α	Angle of inclination of the bracing	60°	
β	Horizontal angle of the bracing	45°	

Dimensions in cm

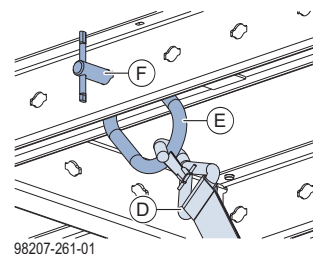
Stabilising the balcony table

Remedy	Effect
Brace the balcony table with 2 lashing straps (D) crosswise between the floor props ($\alpha = 60^\circ$, $\beta = 45^\circ$). Required preload force of lashing straps: 9.5 kN	- Prevents the balcony table from tipping in the longitudinal and transverse direction. - Absorbs the horizontal forces in the longitudinal direction and transverse direction of the balcony table.
If angles α and/or β cannot be maintained, individual planning is required, e.g. combination of Framax universal waling 0.60m (E) with lashing straps. Contact Doka!	

Fixing the bracing to the function profile

	Permissible bracing	
	Lashing strap 5.00m 2G	Lashing strap 5.00m (old version)
With triangle in Safety pin D20 195	✓	—
Looping around the Tie rod 15.0mm	✓	✓
With hook mouth in Suspension link A18 (see graphic)	✓	✓

Practical example 'with hook mouth in Suspension link A18'



D Lashing strap 5.00m 2G

E Suspension link A18

F Safety pin D20 195 + Spring cotter 5mm



Follow the directions in the 'Lashing strap 5.00m' User Information booklet and 'Suspension link A18' Operating Instructions.

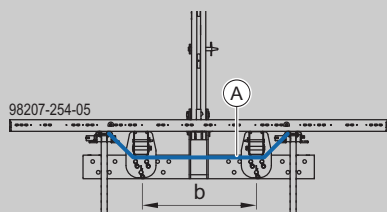
Instructions for assembly and use (Method statement)



WARNING

Risk of tipping over!

- Reposition the balcony table only with the [Transport fork 1.3t adjustable](#).
- Always secure the balcony table to the fork profiles with 2 lashing straps (**A**) if the fork width *b* is not complied with or attachments are fitted.



b ... fork width 1.37 m for table length 4.00m
b ... fork width 2.04 m for table length 5.00m



DANGER

Risk of tipping over!

- The balcony table must always remain on the **Transport fork 1.3t adjustable** until it is fixed to the building, e.g. by bracing.



WARNING

Risk of tipping over!

- Always secure the balcony table after repositioning, e.g. by bracing it!
- Do not load the balcony table asymmetrically (on one side)!

Pre-assembly

Pre-assembly takes place on the ground, e.g. on a support stand, or suspended from the transport fork.

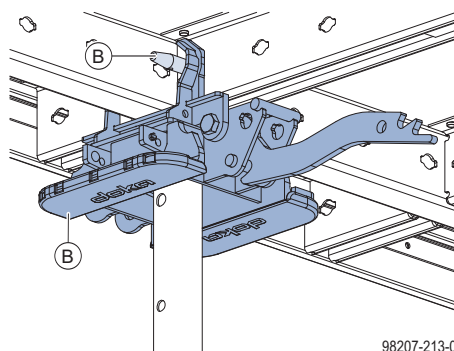


NOTICE

- Arrange all swivel heads of the balcony table in the same direction so that the swivel head latches point towards the edge of the slab (in the direction in which the table will later be removed).

This allows unhindered repositioning of the balcony table with the transport fork.

- Install DokaXdek swivel heads rotated by 90° on the balcony table (see section [Installing swivel head and prop connection T](#)). Always attach the two wall-side DokaXdek swivel heads to the primary profile.



98207-213-08

A DokaXdek swivel head

B Safety pin D20 195

- Install fall protection (height 180 cm) on the balcony table (see section [Xsafe edge protection XP](#)). Gap-free boarding is not permitted!
- Install the floor props on the balcony table (see section [Installing the floor props](#)).

Closing the formwork

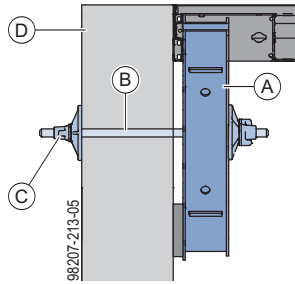
- Reposition the balcony table to its next location (see section [Transport fork 1.3t adjustable](#)) and extend the floor props to the desired length.
- Fasten two lashing straps in the function profiles of the balcony table (see section [Tie-back solutions](#) and [Dimensioning and stabilising](#)).
- Secure the balcony table to the building with lashing straps.

Required preload force per lashing strap: 9.5 kN

**NOTICE**

- Use a working scaffold or personal fall-arrest system (e.g. safety harness) when fixing the balcony table to the wall.

- If required, fix the balcony table to the wall.



A Framax universal waling 0.60m

B Tie rod 15.0

C Super plate 15.0

D Wall of sufficient load-bearing capacity for transferring the loads (coordinate with structural engineer)

- Reposition further balcony tables to their intended location, connect them together (see section [Centring connector and centring nut](#)) and brace them.
- Form the slab stop-ends on the balcony tables (see section [Edge shuttering](#)).

Pouring

- Before pouring, recheck all floor props.



- The fastening clamp (**A**) has to be pushed all the way into the floor prop.
- Adjusting nut (**B**) has to be tightened into contact with the fastening clamp.



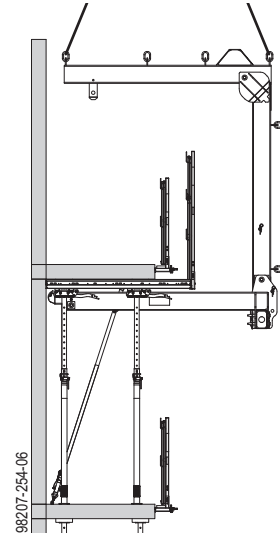
- Before pouring the balcony above, install reshoring props (see the section headed [Reshoring props, concrete technology and stripping out](#)).

Stripping the formwork

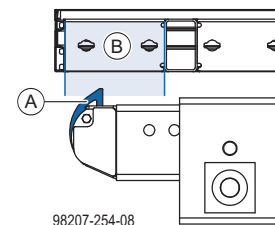
**NOTICE**

- Comply with the stipulated stripping times!
- As well as the instructions given here, follow the instructions in section [Reshoring props, concrete technology and stripping out](#)!

- Guide the transport fork to the balcony table and position it just below the balcony table.



The red safety latches (**A**) of the transport fork must engage in the area (**B**) between the frame profile (at the wall) and the primary profile of the balcony table!



- Separate connected tables.

**DANGER****Risk of tipping over!**

- Always lower the inner (wall-side) floor props first!

If the outer floor props are lowered first, the preload of the lashing straps will cause the balcony table to tip away from the building.

**WARNING**

- Do not slacken the lashing straps manually during this process!

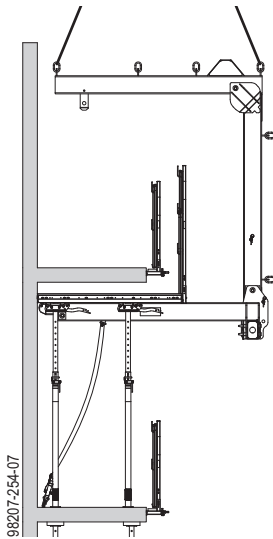
The lashing straps slacken automatically when the balcony table is lowered.

The lashing straps prevent the balcony table and the transport fork from moving away from the building and damaging the guardrail, for example.

- Lower the balcony table by at least 6 cm.

**WARNING**

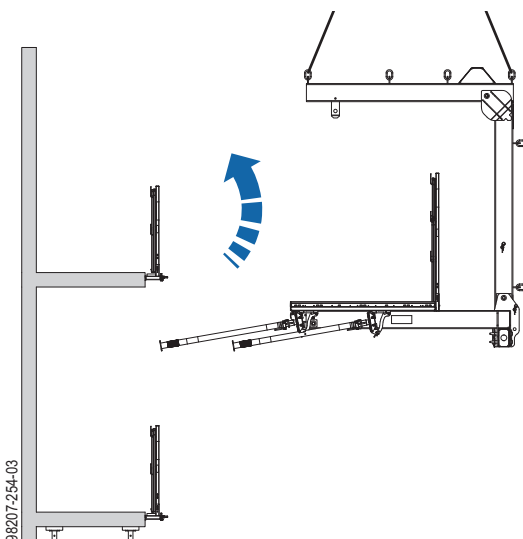
- ▶ Do not lift the balcony slab!
- ▶ Lift the transport fork until the balcony table is resting on it.

**WARNING**

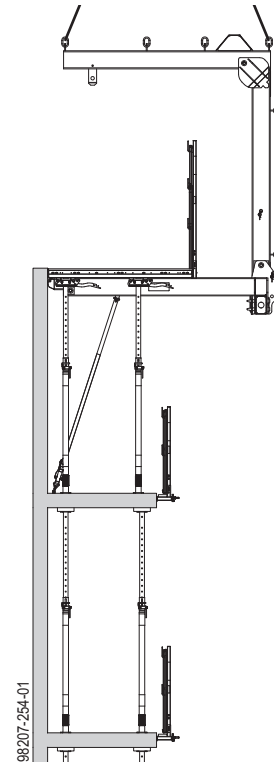
- ▶ Do not slacken and remove the lashing straps until the balcony table is resting completely on the transport fork!
- ▶ No lashing straps or lifting parts (e.g. suspension link A18) may remain on the balcony table during repositioning.
- ▶ Remove all lashing straps and lifting parts from the balcony table.
- ▶ Swing the floor props up.

**WARNING****Risk of tipping over!**

- ▶ Always secure the balcony table after repositioning, e.g. by bracing it!
- ▶ Reposition the balcony table away from the building with the transport fork and move it to the next location.



- ▶ Before pouring the balcony above, install reshoring props (see section [Reshoring props, concrete technology and stripping out](#)).



Repositioning

General instructions on repositioning

There are various repositioning solutions for the Doka-Xdek table.

[Horizontal repositioning / travelling](#)

- [DoKart plus](#)

[Vertical repositioning](#)

- [Transport forks](#)
 - [Transport fork 1.3t adjustable](#)
 - [Transport fork DM 1.5t adjustable / Transport fork DM 2.5t adjustable](#)
- [Dokamatic lifting strap 13.00m](#)
- [Framax transport bolts with Doka 4-part chain 3.20m](#)
- [Frami transport hook with Doka 4-part chain 3.20m](#)
- [Loading platform](#)
- [Doka Table Lifting System TLS](#)



WARNING

- The transport of persons is forbidden!
- Before repositioning the tableform, remove all loose items (e.g. fitting boards) from it.
- Check the connections between the floor props, plumbing struts and the tableform before repositioning the table.



WARNING

Risk of tipping over when repositioning tables with plumbing struts installed!

- Adjust the plumbing struts correspondingly shorter or fix the plumbing struts at an appropriate angle.

This ensures that the floor props rest on the floor first when the table is set down.



NOTICE

When tableforms are left free-standing (short-term intermediate storage), the following conditions must be met:

- There must be a firm horizontal surface.
- No attachments such as table platforms, table panels, safety barriers, drop beams, etc.
- Max. height of tables 4.0 m.
- Max. wind speed: 72 km/h.

Otherwise securing with a suitable **tie-back** is necessary (see the section headed [Tie-back solutions](#))!



NOTICE

Observe also the following sections, where applicable:

- [Repositioning tables with table panels installed:](#)
- [Balcony tables](#), subsection [Stripping the formwork](#)
- [Transporting, stacking and storing](#)

Horizontal repositioning / travelling



NOTICE

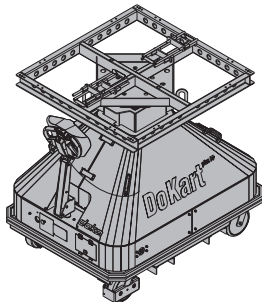
Observe the following points when repositioning / travelling tableforms horizontally:

- There must be a flat, firm (e.g. concrete), adequately dimensioned floor that is capable of supporting the load.
- Max. permitted inclination of trackway: 3%
- Min. height of tables: 2.00 m.
- Take particular care with:
 - height offsets
 - steps
 - floor holes and wall openings
 - tight spaces
 - strong winds
- The use of movers not described in this document is prohibited!
- For longer breaks between operations, or when the shifting device is permanently parked, it must not be carrying any formwork.

DoKart plus

The DoKart plus is a battery-powered lifting appliance that allows Doka tableforms to be moved by just one person.

- The battery is designed to allow 1 whole day's operation before being recharged on mains electricity overnight.
- The tableforms are lifted and lowered hydraulically.
- Max. travel speed: 5 km/h (walking pace)



Permissible load-bearing capacity where the load is applied centrally:

- without Stacking frame DF: 1950 kg
- with one Stacking frame DF: 1868 kg
- with two Stacking frames DF: 1786 kg
- with three Stacking frames DF: 1704 kg



Follow the Operating Instructions!

Intended use

The DoKart plus and the stacking frames may only be used for repositioning Dokaflex, Dokamatic and DokaXdek tables.

Distribution beams



NOTICE

Before tableforms can be repositioned, 2 extra distribution beams (Doka beams H20) must be installed.

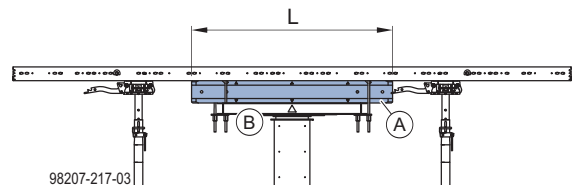


WARNING

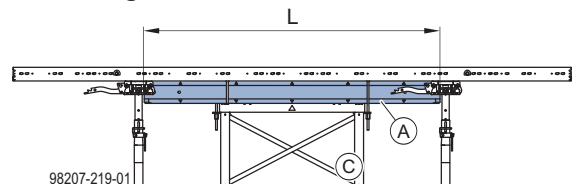
Risk of injury when the DoKart plus with projecting distribution beams is moved!

- DoKart plus without stacking frame:
Length (L) of distribution beams: **1.80 m**
- DoKart plus with stacking frame:
Length (L_{min}) of distribution beams: **2.65 m**
- DoKart plus with stacking frame and table frame:
Length (L_{min}) of distribution beams: **a + 1.0 m**

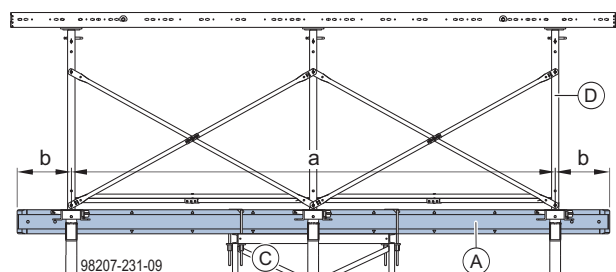
without stacking frames



with stacking frames



with stacking frames and table frames

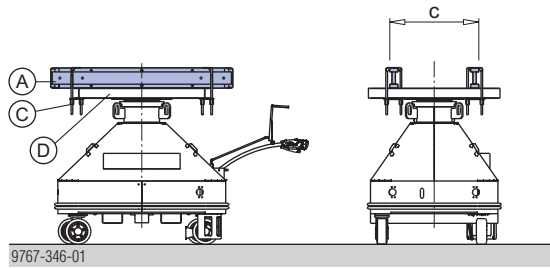


b ... min. 0.5 m

- A** Distribution beam (Doka beam H20)
- B** DoKart plus carrying frame
- C** Stacking frame DF
- D** Table frame 1.50m

Assembly

- ▶ Arrange the distribution beams symmetrically, spaced max. 90 cm (**c**) apart.
- ▶ Secure each distribution beam to the carrying frame of the DoKart plus, or to the Stacking frame DF, with two Brace stirrups 8.

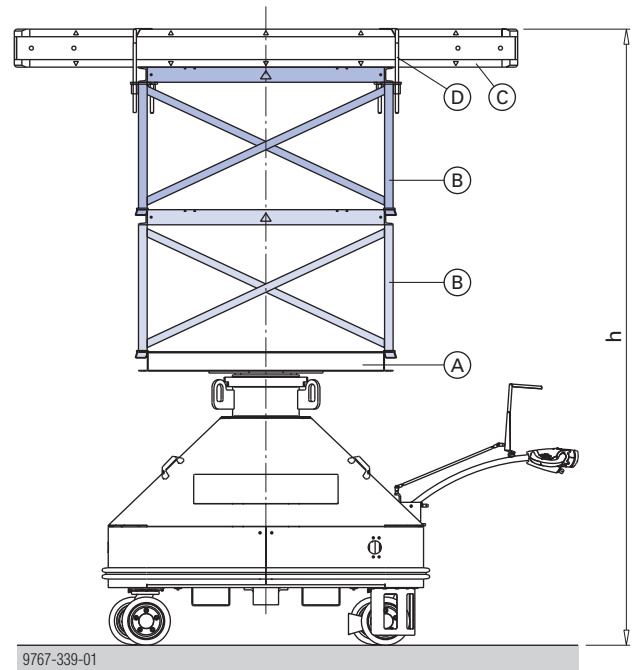


c ... max. 90 cm

- A** Distribution beam (Doka beam H20)
- C** Brace stirrup 8 (4 are supplied with the DoKart plus)
- D** Carrying frame of DoKart plus or Stacking frame DF

Adapting to different heights

The height range can be extended with **Stacking frames DF**.



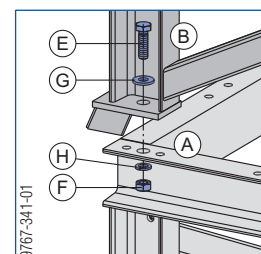
- A** DoKart plus carrying frame
- B** Stacking frame DF
- C** Distribution beam (Doka beam H20)
- D** Brace stirrup 8

Height ranges incl. distribution beams

Number of Stacking frames DF	h min. [cm]	h max. [cm]
0	174	344
1	249	419
2	324	494
3	399	569

Installation:

- ▶ Secure the stacking frame to the carrying frame of the DoKart plus at four points using the bolting items supplied with the frame.
- ▶ Fasten additional stacking frames to the stacking frame below at four points using the bolting items supplied with the frame.



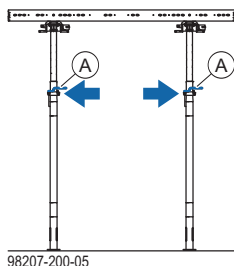
- A** Carrying frame of DoKart plus, or Stacking frame DF below
- B** Stacking frame DF
- E** Hexagon bolt M12x40
- F** Hexagon nut M12
- G** Washer A13
- H** Spring washer A12

Positioning under the tableform



NOTICE

- Bolt on the fastening clamps (**A**) of the floor props from the inside to the outside, so that they are facing outward and do not obstruct the DoKart plus when it moves in under the table.



98207-200-05

- The outriggers of the DoKart plus extension set (if fitted) must also be completely pushed in.

- Depending on the size of the table and the situation on the site, travel the DoKart plus under the table either from one end or one side of the table.



The carrying frame of the DoKart plus and the Stacking frame DF come with centre markings (red arrows).

These make it easier for them to be positioned centrally beneath the tables.

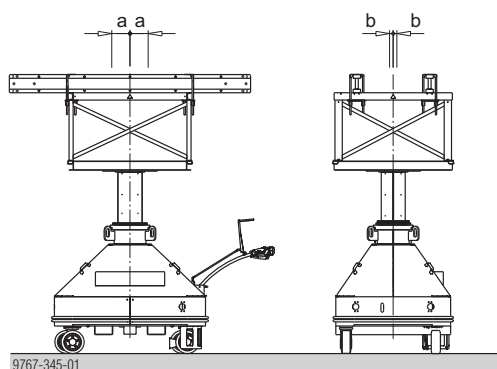


NOTICE

If the tables are asymmetric (edge tables, tables with stop-end formwork, tables with table panels), 'central positioning' means 'central' in terms of the load centre.

Max. permitted eccentric position for the load centre:

- $a_{\max} = 20 \text{ cm}$
- $b_{\max} = 10 \text{ cm}$



9767-345-01

Travelling the tableform



WARNING

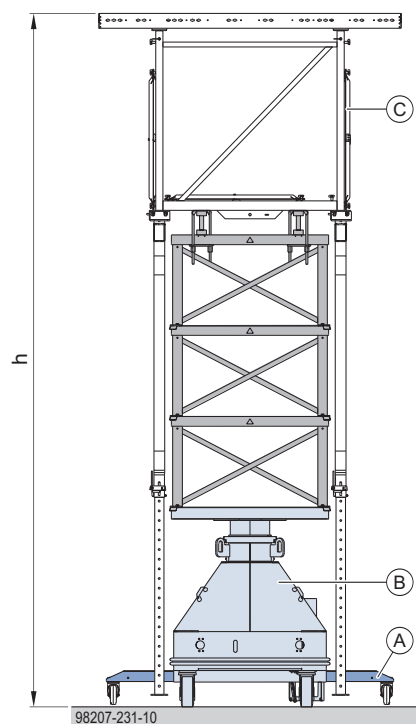
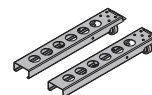
Risk of injury when the DoKart plus with projecting distribution beams is moved!

- Pay attention to the correct length of the distribution beams (see the section headed [Distribution beams](#))!



NOTICE

For tableforms with stacking frame and/or table frame, the DoKart plus must first be fitted with an Extension set for DoKart plus.



98207-231-10

$h \dots 5.65 \text{ m to max. } 7.15 \text{ m}$

- A** Extension set for DoKart plus
- B** DoKart plus
- C** DokaXdek table with Table frame 1.50m

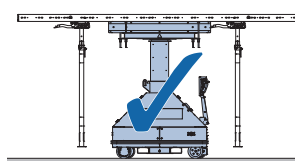


WARNING

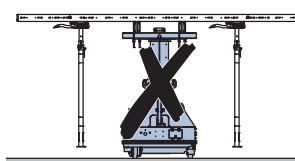
Risk of tipping over!

- Move tables in the longitudinal direction only!

The distribution beams on the DoKart run parallel with the long side of the table.



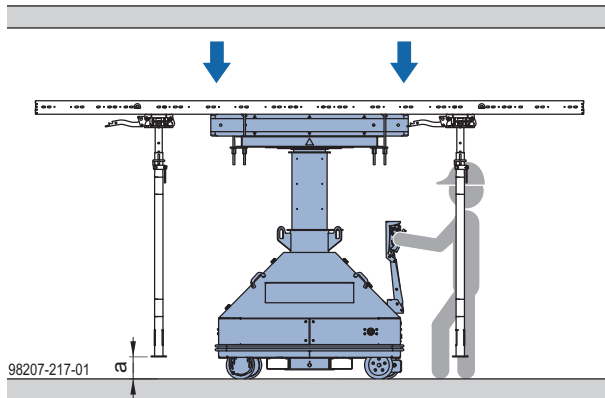
98207-217-04



98207-217-05

**WARNING****Risk of tipping over!**

- Do not extend the lifting tower of the DoKart plus farther than necessary.
- Push the floor props all the way in.
- Lower the tableform (until floor props are max. 10 cm clear of the floor).
- If necessary, extend the outriggers of the DoKart plus extension set.



a ... max. 10 cm

**DANGER****Risk of tipping over!**

- Moving tables with attachments on the long side is prohibited, e.g.:
 - Tables with table platform
 - Tables with drop-beam formwork
 - Tables with Xsafe edge protection XP
 - Tables with 3 or more table panels

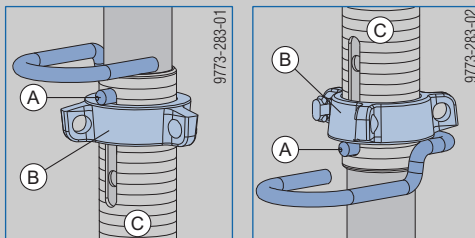
**CAUTION****Risk of tipping over!**

- When moving tables with attachments on the short side, ensure that the DoKart is positioned correctly! See the section headed [Positioning under the tableform](#).

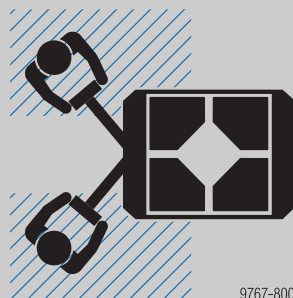
**CAUTION**

The fastening clamp of the floor prop can work loose during transport and possibly drop out.

- Use the adjusting nut (B) to hold the fastening clamp (A) in place at the top or bottom end of the slot (depending on whether the outer tube (C) is at the bottom or the top).

**WARNING****Danger of crushing!**

- When steering the DoKart plus, be extra-careful about obstacles in the occupation zones marked in the illustration!



Setting down and positioning the tableform



CAUTION

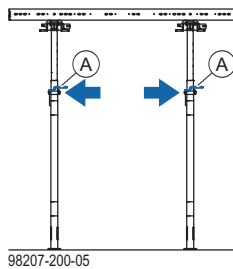
Risk of tipping over if floor props are extended to different lengths!

- Before setting down the table, make sure that all the floor props are extended to the same length.



NOTICE

Before setting down the table, push the fastening clamps **(A)** of the floor props through from the inside to the outside so that they are not an obstruction when the DoKart plus is moved out from under the table.



- The fastening clamp **(A)** has to be pushed all the way into the floor prop.
- Adjusting nut **(B)** has to be tightened into contact with the fastening clamp.



NOTICE

- The outriggers of the DoKart plus extension set (if fitted) must be completely pushed in.
- Check the wedge-clamped joints between the floor props and the tableform.



WARNING

Risk of tableform tipping over when floor props are being aligned!

Striking the floor props too hard with the plastic mallet causes accidental loosening of the fastening clamp of the floor prop and/or of the swivel latch of the swivel head.

- Before lining-and-levelling, check whether all the floor props are under load. Only props that are actually standing on the ground may be lined-and-levelled.
- Use only moderate force when striking with the Plastic mallet 4kg. Max. mallet backswing distance 1'-8" (50 cm)!
- Give just one knock to each floor prop at a time, then move on to the next prop!
- Strike only the bottom part of the floor prop.

Vertical repositioning

Transport forks

The transport fork can be used to move tableforms out from under the cast floor-slab and to reposition them.



WARNING

Risk of tipping over!

- Ensure correct centre-of-gravity position!
- Adjust fork settings to the table size:
Fork width: min. $\frac{1}{3}$ of table width
Fork length: min. $\frac{2}{3}$ of table length



WARNING

Risk of tipping over!

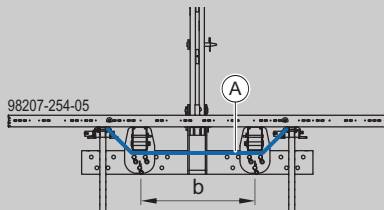
- Secure tables with attachments on the long side with 2 lashing straps, e.g.:
 - Tables with table platform
 - Tables with drop-beam formwork
 - Tables with Xsafe edge protection XP
 - Tables with at least 2 table panels (see the section headed [Repositioning tables with table panels installed:](#))



WARNING

Risk of tipping over!

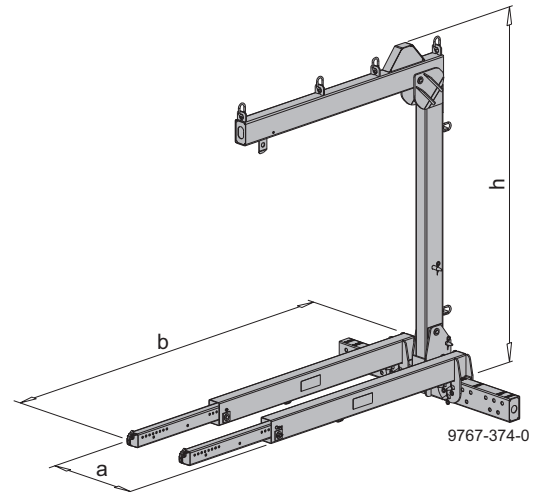
- Always secure tables across the direction of the fork with 2 lashing straps (**A**) to the fork profiles if the fork width b is not complied with or attachments are fitted.



- b ... fork width 1.37 m for table length 4.00m
- b ... fork width 2.04 m for table length 5.00m

Transport fork 1.3t adjustable

- Adjustable fork width and fork length
- Integrated tag-lines
- Three attachment possibilities for 2-part lifting chains for optimum (horizontal) transport of the table
- Attaching/detaching the 2-part lifting chain is easy in the parking position (bracket tilts down when lowered to the ground)
- Suitable for repositioning balcony tables (see the section headed [Stripping the formwork](#))



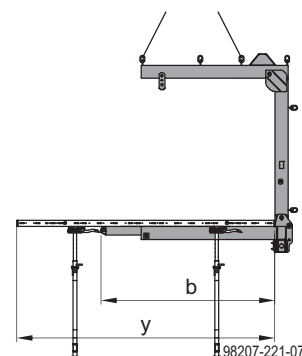
- a ... 90, 137, 204 or 227 cm
- b ... 275, 324, 373 or 422 cm
- h ... 384.6 cm

Permissible working load limit: 1300 kg (2870 lbs)



Follow the Operating Instructions!

Table along the direction of the fork



- b ... fork length (min. $\frac{2}{3}$ of table length y)
- y ... length of table

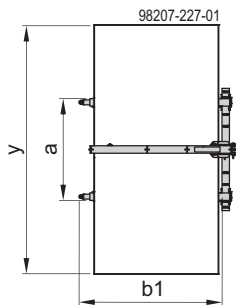
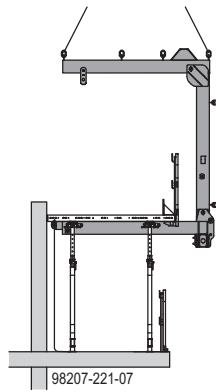
**Table across the direction of the fork
(e.g. balcony table)**


Table length y	Fork width a	Fork length b1
4.00 m	137 cm	275 cm
5.00 m	204 cm	

Transport fork DM 1.5t adjustable / Transport fork DM 2.5t adjustable

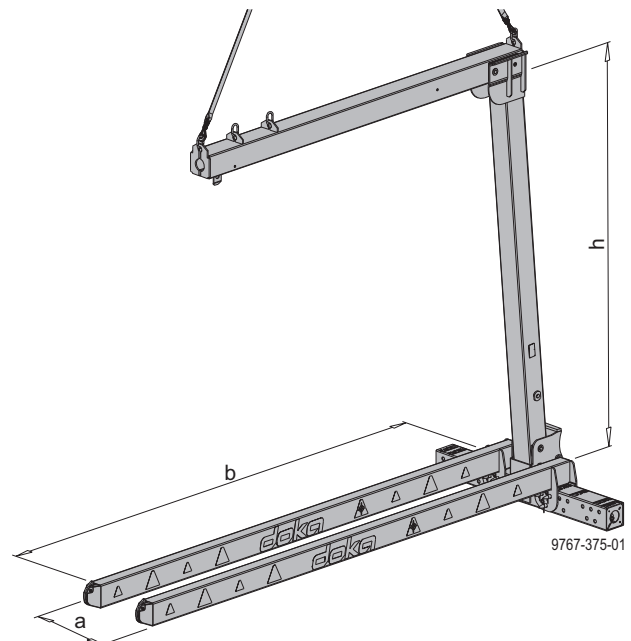
- Adjustable fork width
- Integrated tag-lines
- Fork marks for optimum (horizontal) transport of the table
- Attaching/detaching the 2-part lifting chain is easy in the parking position (bracket tilts down when lowered to the ground)
- Additional vertical extension (art. n° 586235000) for repositioning tableforms over two storeys available
- 2 additional lifting slings are needed for repositioning with Transport fork DM 2.5t adjustable.



Follow the directions in the 'Transport fork DM 1.5t adjustable and Transport fork DM 2.5t adjustable' Operating Instructions.

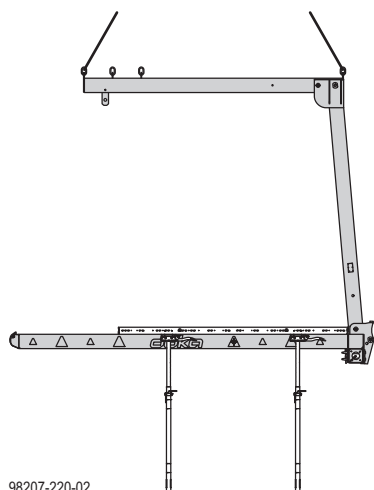


Follow the directions in the 'Lifting sling for transport fork DM 2.5t' Operating Instructions.

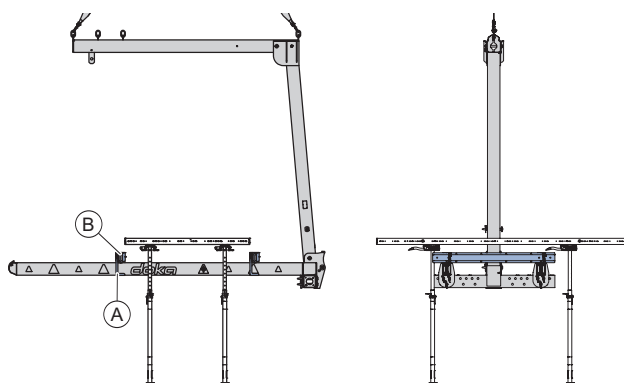


a ... 90, 137, 204 or 227 cm
b ... 580 cm
h ... 421 cm

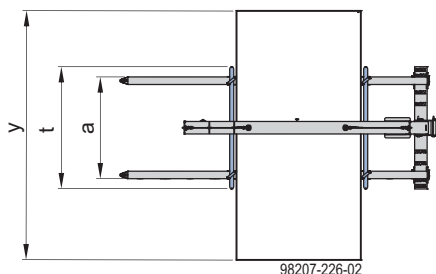
Permissible working load limit: 1500 kg (3300 lbs)

Table along the direction of the fork

98207-220-02

Table across the direction of the fork

98207-226-01



98207-226-02

Table length y	Fork width a	Beam length t of the extension
4.00m	137 cm	1.80 m
5.00m	204 cm	2.45 m

A Extension clamp H20 for fork**B** Doka beam H20

When lifting a table at right angles to the forks, secure Doka beams H20 to the fork profiles at right angles to the fork axis.

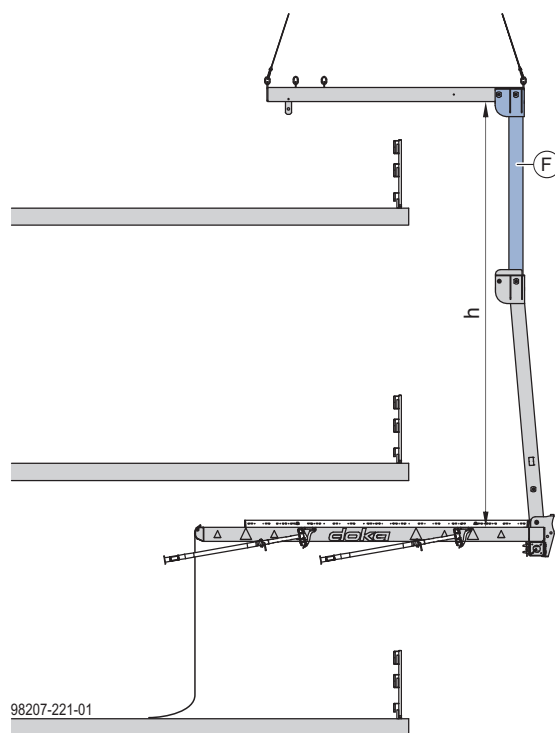
**WARNING****Tableform falling-hazard!**

Using the Doka beams H20 in this way deactivates the lever-latch so that it no longer acts as an anti-slide-off guard.

- ▶ Do not use the transport fork for regular lifting operations if Doka beams H20 are mounted to it!

Repositioning of tables over two storeys

The lifting extension bracket of the transport fork is lengthened with the Vertical extension DM 3.30m.



98207-221-01

h ... 750 cm

F Vertical extension DM 3.30m

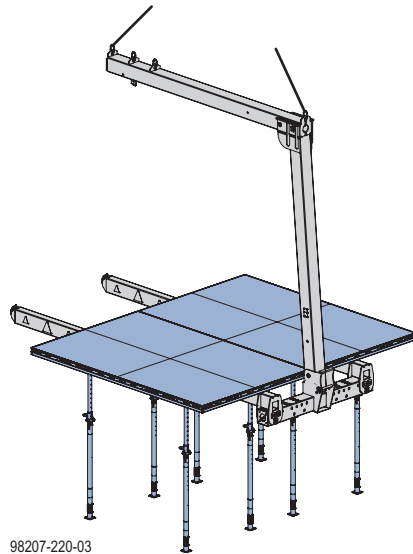
Repositioning two tables

If required, the **Transport fork DM 2.5t adjustable** can be used to reposition 2 DokaXdek tables together.

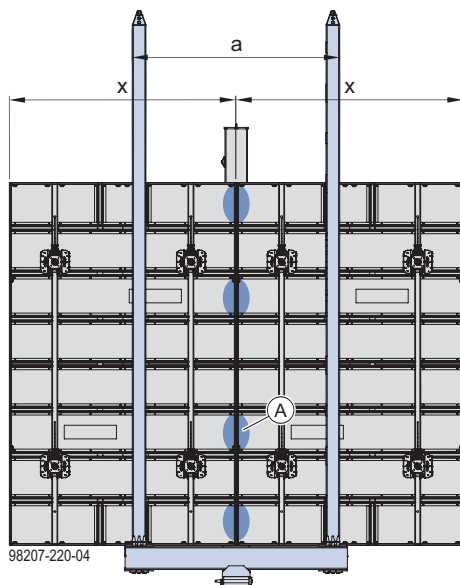


Follow the Operating Instructions!

2 tables side by side:



98207-220-03



98207-220-04

Table width x	Fork width a
2.00 m	204 cm
2.50 m	227 cm

A Centring connector 15.0 and Centring nut 15.0

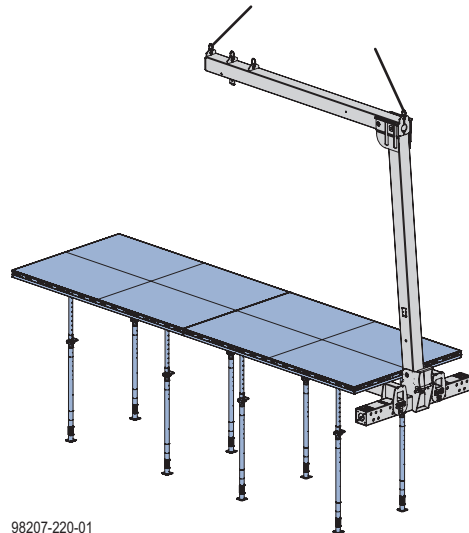


NOTICE

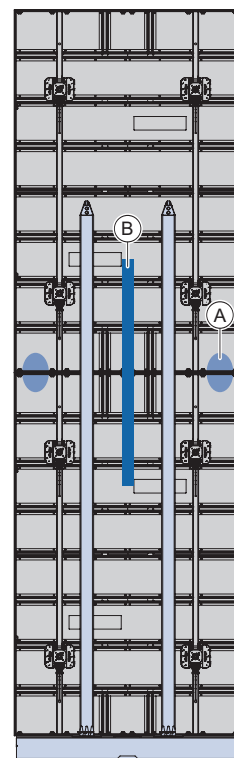
2 tables side by side:

- Interconnect DokaXdek tables with 4 centring connectors and 4 centring nuts along the table long side (blue marks).
- Position fork profiles in the area of the table middle.

2 tables one behind the other:



98207-220-01



98207-220-05

A Centring connector 15.0 and Centring nut 15.0

B DokaXdek universal waling T 2.30m



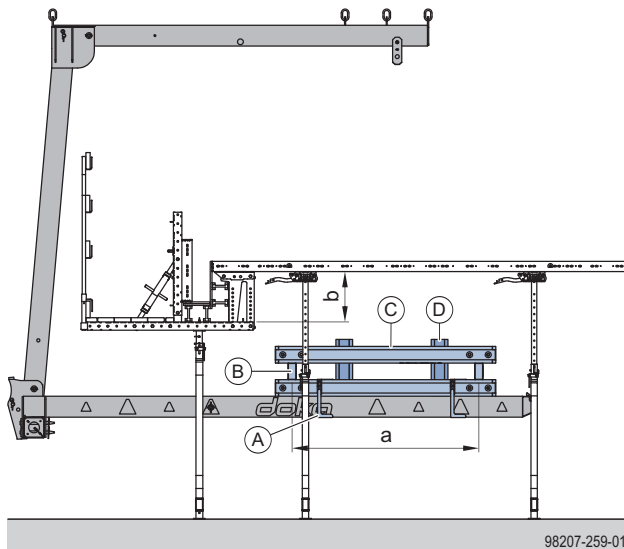
NOTICE

2 tables one behind the other:

- Only tables with a length of 4.00 metres are permitted.
- Interconnect DokaXdek tables with 2 centring connectors and 2 centring nuts along the table short side (blue marks).
- Additional, middle stiffening with DokaXdek universal waling T 2.30m (secured with 2 Framax wedge clamps).
- Position fork profiles in the area of the table middle.

Repositioning of tables with drop-beam formwork

On tables with drop beams, the space left between the transport fork and table can be bridged with e.g. a timber construction (see legend).



a ... 225 cm
b ... max. 60 cm

- A** Extension clamp H20 for fork
- B** Extension profile H20 for fork
- C** Doka beam H20 2.65m
- D** Doka beams H20 or squared timbers to prevent the table from slipping (length depends on the project)

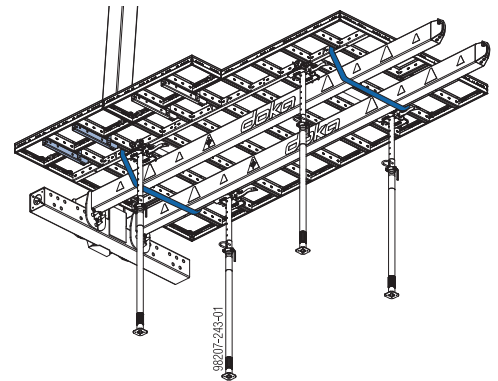
Repositioning tables with table panels installed:



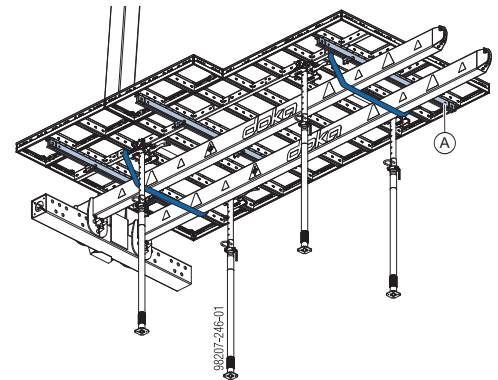
NOTICE

Repositioning with transport fork:

- Be aware of the load centre!
- Secure the table to the fork profiles with 2 lashing straps.



- When repositioning tables with table panels and universal walings installed, note the following:
 - The table must be seated flat on the transport fork. If necessary, install a 2nd universal waling (**A**) .



WARNING

Framax transport bolt:

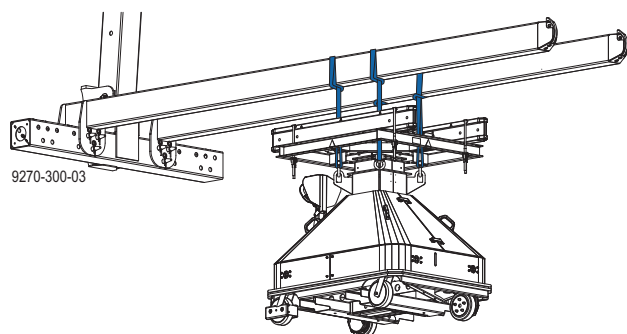
- The transport of connected tables and tables with table panels is prohibited!

Repositioning the DoKart plus

If no loading platform is available, the DoKart plus can also be repositioned with the Transport fork DM 2.5t adjustable.



Follow the directions in the 'Transport fork DM 2.5t adjustable' Operating Instructions.



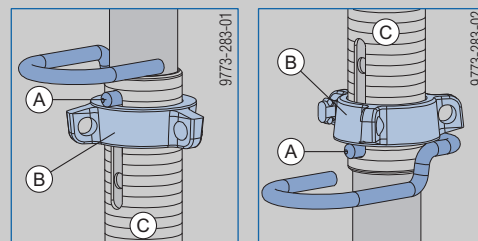
Repositioning operation



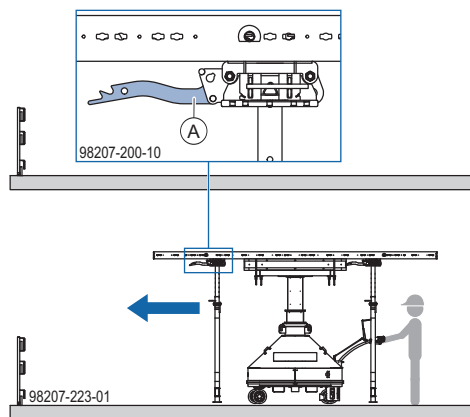
CAUTION

The fastening clamp of the floor prop can work loose during transport and possibly drop out.

- Use the adjusting nut (**B**) to hold the fastening clamp (**A**) in place at the top or bottom end of the slot (depending on whether the outer tube (**C**) is at the bottom or the top).



- Wheel the table to the pick-up point with the DoKart plus, making sure that the swivel head latch always points in the direction in which the table is to be removed.



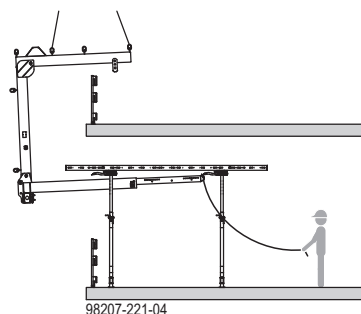
A Swivel head latch



CAUTION

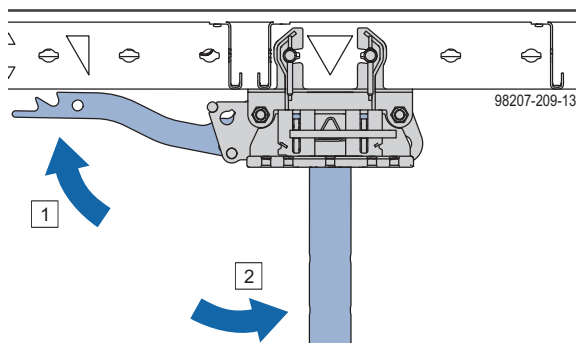
Risk of tipping over if floor props are extended to different lengths!

- Before setting down the table, make sure that all the floor props are extended to the same length.
- Set the table down.
- Wheel out the DoKart plus from under the table (the next table can now be prepared for repositioning).
- Manoeuvre the transport fork under the table.

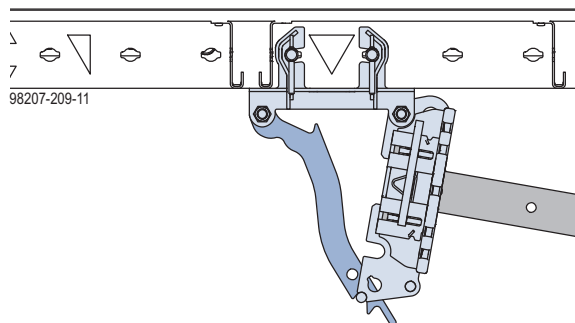


- Pick up the table with the transport fork.

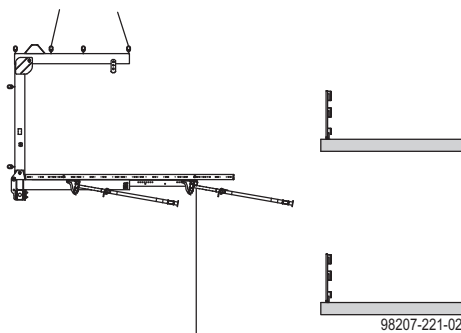
- Push up the swivel head latch (this can be done with a plank of wood if the latch is too high to reach by hand).
- Tilt up the prop.



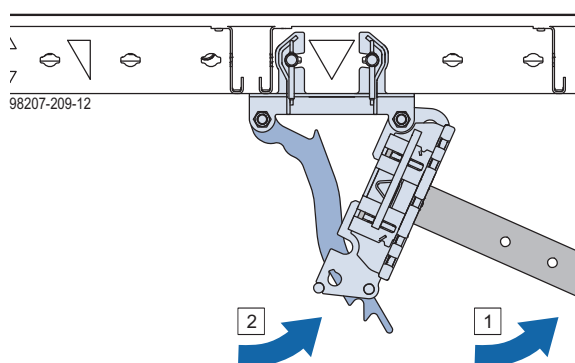
- Snap the swivel head into the 80° or 90° position.



- Move the table out and lift it to its new location.



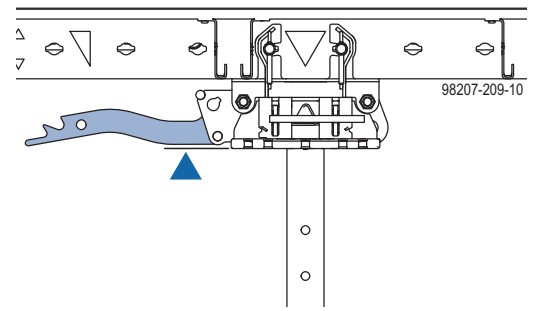
- Slightly raise the floor prop.
- Lift the swivel head latch.



- Swing the floor prop down into its operational position and latch it in place.



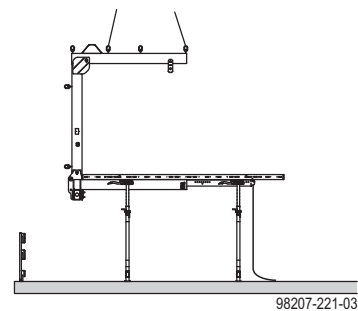
Check that the swivel head is properly engaged - the swivel head latch must be pointing parallel to the swivel head!

**CAUTION**

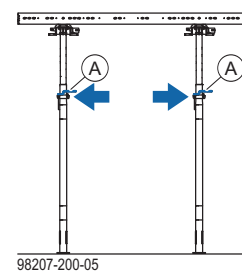
Risk of tipping over if floor props are extended to different lengths!

- Before setting down the table, make sure that all the floor props are extended to the same length.

- Set the table down at its new location.

**NOTICE**

Before setting down the table, push the fastening clamps (A) of the floor props through from the inside to the outside so that they are not an obstruction when the DoKart plus is moved out from under the table.





- The fastening clamp (A) has to be pushed all the way into the floor prop.
- Adjusting nut (B) has to be tightened into contact with the fastening clamp.



- All floor props must be in contact with the floor.
- Make sure that the wedges in the swivel heads are secure.



NOTICE

- The outriggers of the DoKart plus extension set (if fitted) must be completely pushed in.
- Check the wedge-clamped joints between the floor props and the tableform.



WARNING

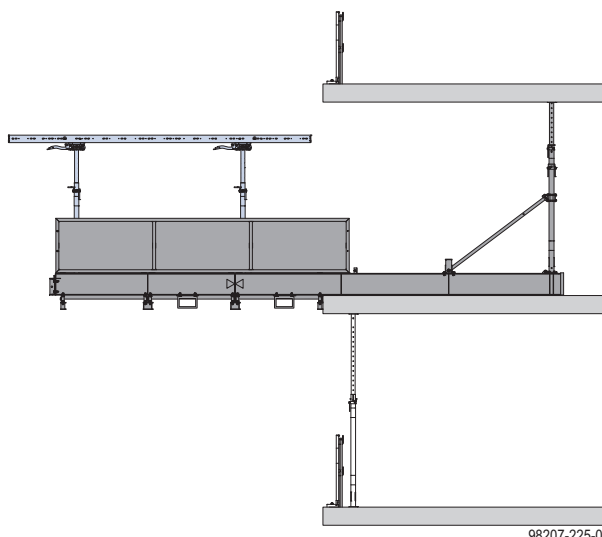
Risk of tableform tipping over when floor props are being aligned!

Striking the floor props too hard with the plastic mallet causes accidental loosening of the fastening clamp of the floor prop and/or of the swivel latch of the swivel head.

- Before lining-and-levelling, check whether all the floor props are under load. Only props that are actually standing on the ground may be lined-and-levelled.
- Use only moderate force when striking with the Plastic mallet 4kg. Max. mallet backswing distance 1'-8" (50 cm)!
- Give just one knock to each floor prop at a time, then move on to the next prop!
- Strike only the bottom part of the floor prop.

Loading platform

The Doka loading platform 2.95x4.50m 5.0t serves as a temporary, safe setdown flat outside the structure. The tableforms are lifted from the loading platform to the next working level, e.g. using the Dokamatic lifting straps 13.00m.



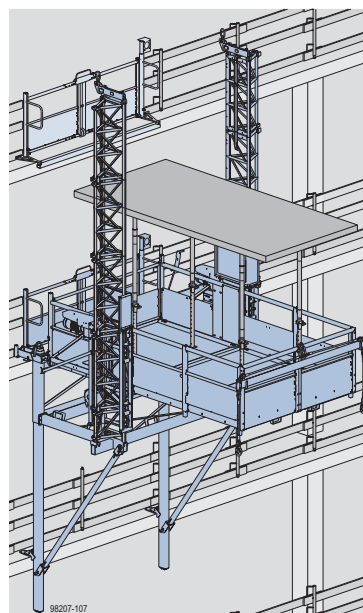
Follow the directions in the 'Doka loading platform 2.95x4.50m 5.0t' User Information booklet.

Doka Table Lifting System TLS

The Doka Table Lifting System TLS is used for moving Doka tableforms up from storey to storey without crane lifts.



Follow the directions in the 'Doka Table Lifting System TLS' User Information booklet and 'Doka Table Lifting System TLS' Operating Instructions.



Lining-and-levelling the DokaXdek tables



NOTICE

- Check the wedge-clamped joints on the swivel heads.
- When using with DoKart, follow the directions in the section headed [Setting down and positioning the tableform](#)!
- When using with transport forks, follow the directions in the section headed [Repositioning operation](#)!



- The fastening clamp **(A)** has to be pushed all the way into the floor prop.
- Adjusting nut **(B)** has to be tightened into contact with the fastening clamp.



98017-202-01



Plastic mallet 4kg:

- For fine-positioning a tableform quickly without using any shifting devices.
- Integrated base makes it easy to put the mallet on 'stand-by'.
- The mallet has been designed with just the right weight and with plastic of the right hardness to prevent damage.



WARNING

Risk of tableform tipping over when floor props are being aligned!

Striking the floor props too hard with the plastic mallet causes accidental loosening of the fastening clamp of the floor prop and/or of the swivel latch of the swivel head.

- Before lining-and-levelling, check whether all the floor props are under load. Only props that are actually standing on the ground may be lined-and-levelled.
- Use only moderate force when striking with the Plastic mallet 4kg. Max. mallet backswing distance 1'-8" (50 cm)!
- Give just one knock to each floor prop at a time, then move on to the next prop!
- Strike only the bottom part of the floor prop.

General

Combining with other Doka systems

Combination with DokaXdek panel floor formwork

The connection between DokaXdek table and the DokaXdek panel floor formwork is made seamlessly with the DokaXdek connecting head.

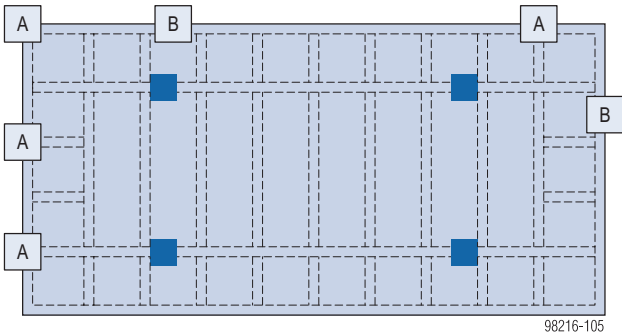
The DokaXdek connecting head can be positioned anywhere along the long or short sides of the DokaXdek table.

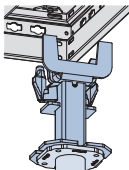
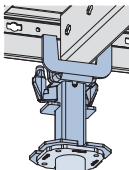
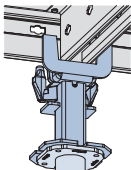
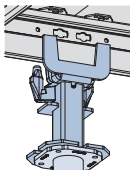


Spring locked connecting pin 16mm not included with product. For floor props with larger tube diameters, we recommend the Spring locked connecting pin D16 with eye.

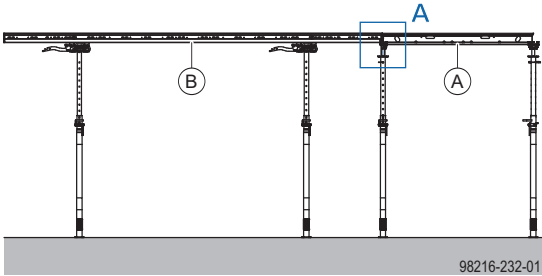
Follow the directions in both User Information booklets!

Possible installation positions

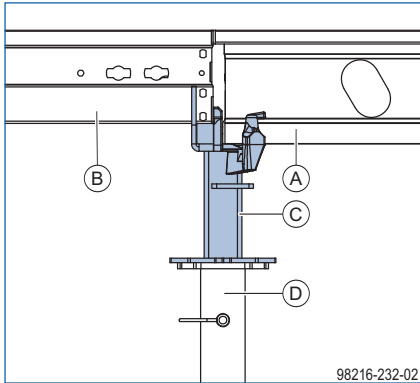


A			B
			
98216-234-02	98216-234-03	98216-234-04	98216-234-01
Prop is held by frame profile.	Prop is held by primary profile.	Prop is held by anchoring profile.	Prop is not held by profile.
Floor props are held by table profiles and cannot tip over.			Floor props must be secured against tip-over, e.g. with Removable folding tripod.

Practical example



Close-up A



- A DokaXdek panel
- B DokaXdek table
- C DokaXdek connecting head
- D Floor prop Eurex top

Installation:

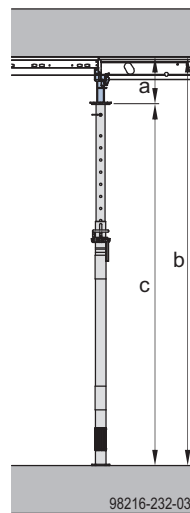
- Position DokaXdek tables and adjust to correct height.



NOTICE

- Level the DokaXdek tables before setting up the DokaXdek panel floor formwork.
- Level the DokaXdek tables.
- Connect the DokaXdek connecting head to the floor prop and secure it with a Spring locked connecting pin 16mm.

- Set the height of the floor prop.

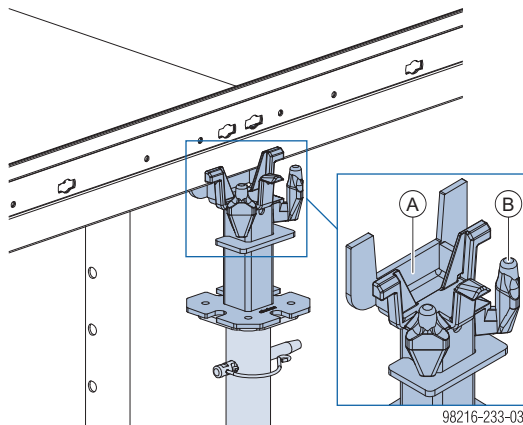


a ... 31 cm

b ... room height

c ... extended length of the floor prop (= room height minus 31 cm)

- Set up floor props with connecting heads along the outside profile of the DokaXdek table.



A Mount for DokaXdek table

B Mount for DokaXdek panel floor formwork



Make sure that the head is the right way round.



WARNING

- Turn the adjusting nut to extend the floor prop with connecting head only until contact is made with the DokaXdek table.

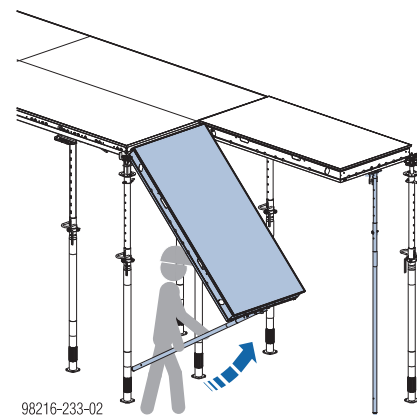
Make sure that the DokaXdek table is not lifted, because in that case the floor prop would be overloaded.

- Turn the adjusting nut to extend each floor prop until contact is made.

- Set up other floor props complete with connecting heads along the outside profile of the tables and stabilise with Removable folding tripods as necessary.



- Engage the DokaXdek panels and swing them up into position.



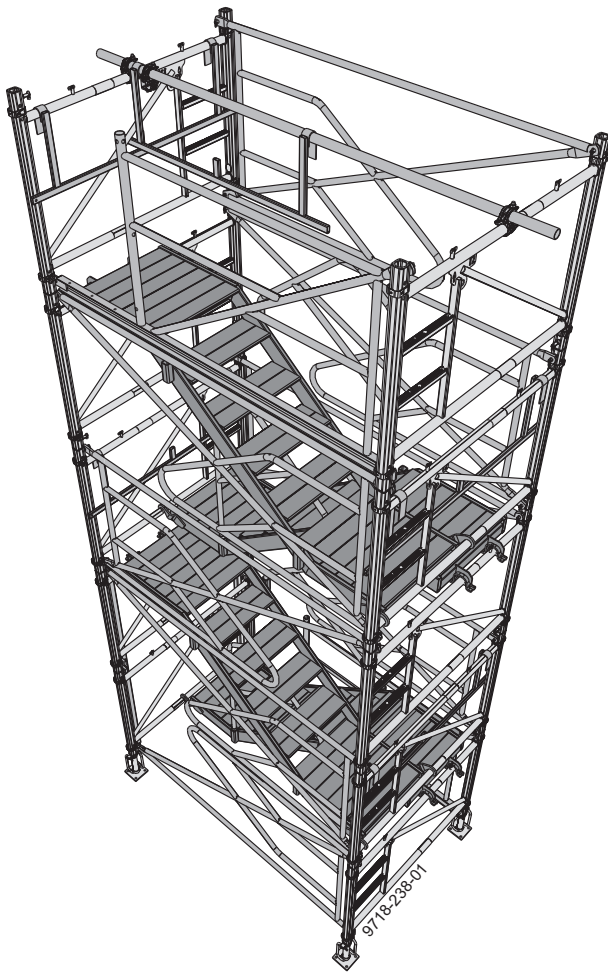
Combined with Dokaflex

The system transition to Dokaflex can be effected with the existing infill components, e.g. with the DokaXdek suspension clamp (see section [Adapting to the layout](#)).



Follow the directions in the 'Dokaflex' User Information booklet!

Access systems

**Note:**

The ladder system must be implemented in such a way that all national regulations are complied with.

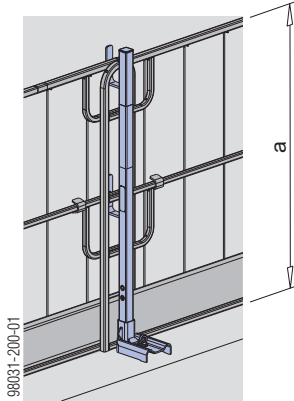


Follow the directions in the 'Stair tower 250' User Information booklet!

Fall protection on the structure

Xsafe edge protection XP

- Attached with screw-on shoe, railing clamp, hand-rail-post shoe or Step bracket XP
- Protective grating XP, guardrail boards or scaffold tubes can be used as the safety barrier



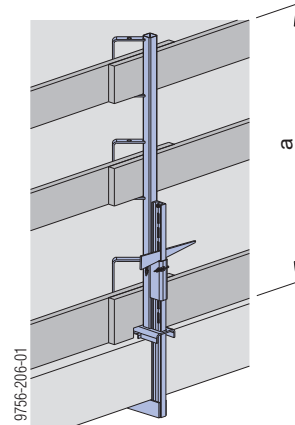
a ... > 1.00 m



Follow the directions in the 'Xsafe edge protection XP' User Information booklet.

Handrail clamp S

- Attached with integral clamp
- Guard-rail boards or scaffold tubes can be used as the safety barrier



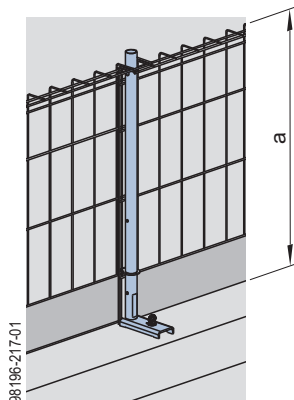
a ... > 1.00 m



Follow the directions in the "Handrail clamp S" User information!

Xsafe edge protection Z

- Attachment by integral screw-on shoe
- Protective barrier Z can be used as the safety barrier



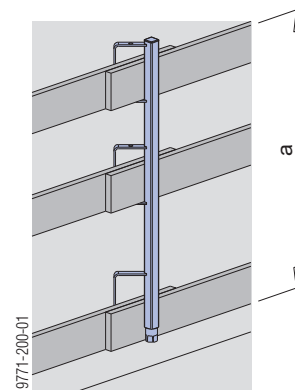
a ... > 1.17 m



Follow the directions in the 'Xsafe edge protection Z' User Information booklet.

Handrail post 1.10m

- Fixed in a Screw sleeve 20.0 or Attachable sleeve 24mm
- Guard-rail boards or scaffold tubes can be used as the safety barrier



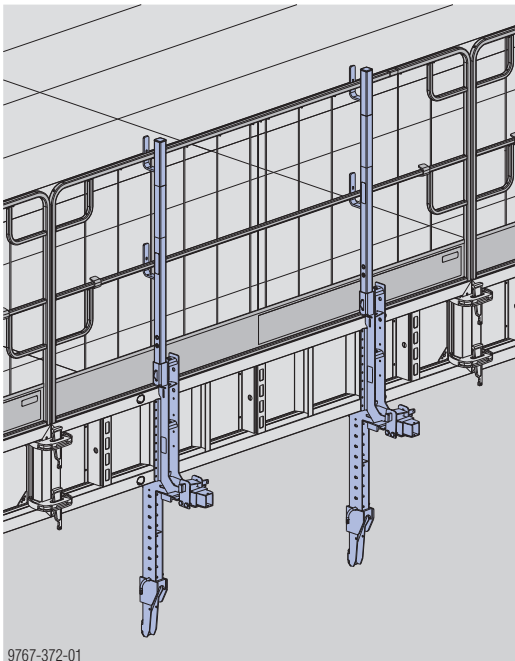
a ... > 1.00 m



Follow the directions in the 'Handrail post 1.10m' User Information!

Doka floor end-shutter clamp

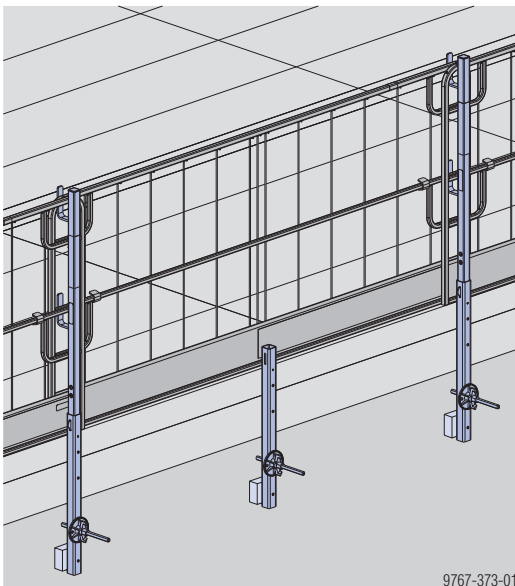
- Slab stop-ends and fall-arrest barriers in one system



Follow the directions in the 'Doka floor end-shutter clamp' User Information booklet!

Floor end-shutter profile XP

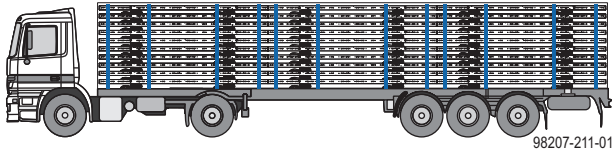
- Slab stop-ends and safety barriers in one system



Follow the directions in the 'Xsafe edge protection XP' User Information booklet.

Transporting, stacking and storing

DokaXdek tables



NOTICE

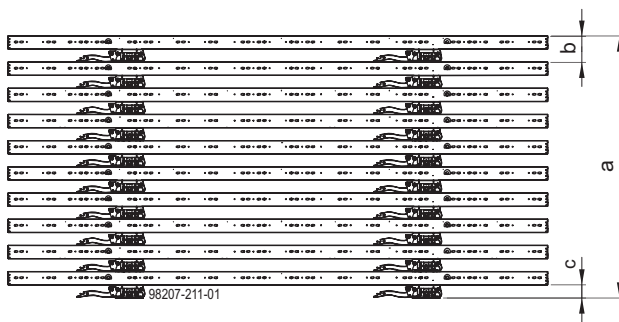
Transport:

- Arrange the DokaXdek tables so that they are positively locked.
- Never climb on to the stack of tables.
- For transport by truck, lash the DokaXdek tables with surface cleaned.
 - Number of lashing straps:
 - min. 4 for DokaXdek tables of length 5.00 m
 - min. 3 for DokaXdek tables of length 4.00 m
 - Required tensile force per lashing strap:
 - min. 5.0 kN
- When tables without DokaXdek swivel heads are to be transported it is essential to lay anti-slip mats between all the DokaXdek tables.

Interim storage of fully assembled tables:

- Only set down tables on level, firm surfaces.
- Never place completely assembled tables on top of one another - not even with their floor props tilted back at 90°.
- In exposed locations, secure the tables against wind pressure.

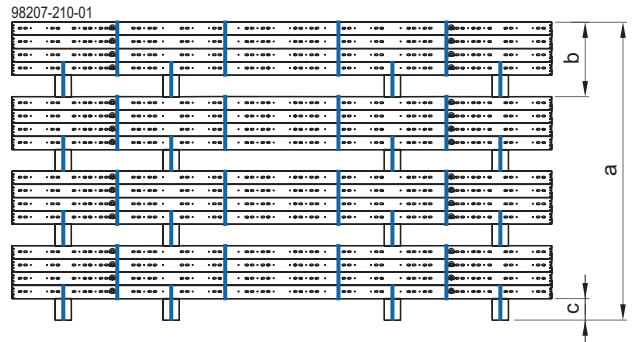
Stack of tables with swivel heads



a ... 245 cm
b ... 24.5 cm
c ... 12 cm

Max. 10 DokaXdek tables with swivel heads per stack.

Stack of tables without swivel heads



a ... 236 cm
b ... 59 cm
c ... 10 cm

Max. 16 DokaXdek tables without swivel heads per stack (4 per package).

Lifting by crane

Dokamatic lifting strap 13.00m



The Dokamatic lifting strap 13.00m is a lifting accessory that is only suitable for lifting Doka tableforms and stacked Doka panels.

The moveable, 8 m long protective sleeve makes it possible to lift in a horizontal position, and protects the strap fabric.

2 Dokamatic lifting straps are needed for each unit to be lifted.

- **Permissible working load limit:**
2000 kg / Dokamatic lifting strap 13.00m
- Max. number of tables with swivel heads: 6
- Max. number of tables bundled in a stack: 4



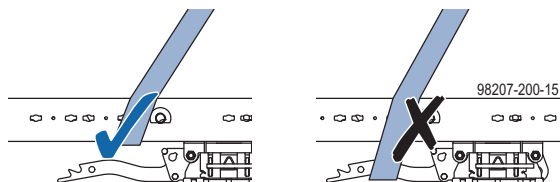
WARNING

- ▶ The Lifting straps 13.00m may only be used as shown if there is no risk of the straps sliding towards one another, or of the load being displaced.
- ▶ The transport of connected tables is prohibited!

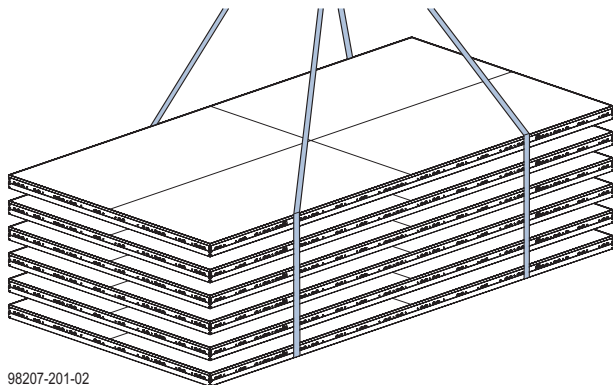


Follow the directions in the 'Dokamatic lifting strap 13.00m' Operating Instructions!

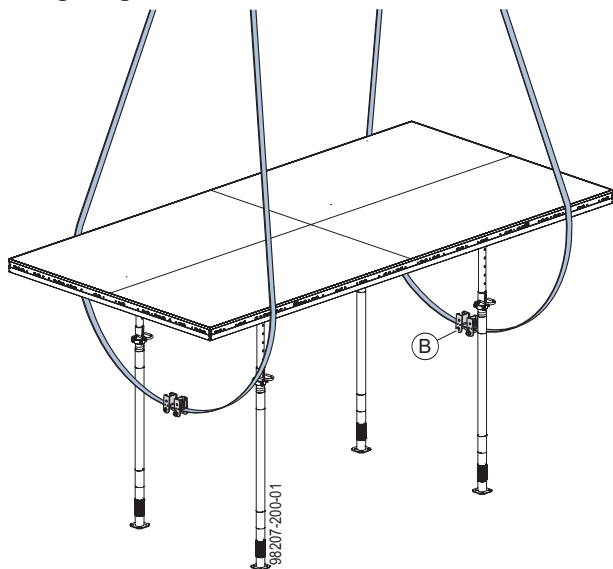
Correct position of the lifting strap at the table underside



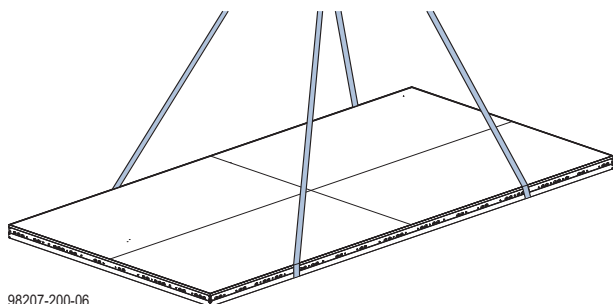
Lifting of stacks



Lifting single tables



B Strap shoes



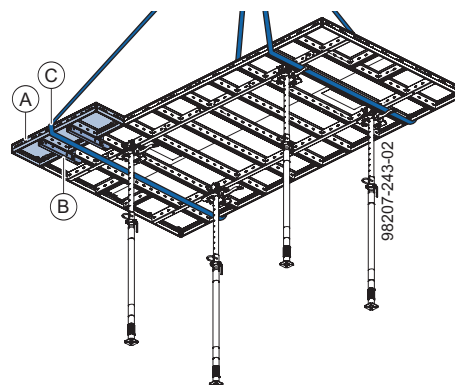
The strap shoes can either remain on the strap, or be detached from it as needed.



NOTICE

Repositioning tables with table panels installed:

- Only table panels with a width of 0.50 m (A) are permitted!
- Fit the platform adapter (B) to prevent slipping!
- The lifting strap (C) must run through the centre of the table panel!
- The lifting strap must be looped around the table without slipping and must not be passed over any sharp edges, e.g. if universal walings are fitted.



Framax transport bolts with Doka 4-part chain 3.20m

The Framax transport bolt is a lifting accessory and is used in combination with the Doka 4-part chain 3.20m for transporting a single DokaXdek table or stacked DokaXdek tables.

- **Permissible working load limit:**
800 kg / Framax transport bolt
- Max. number of tables bundled in a stack: 4
- Max. number of tables with swivel heads: 3



NOTICE

- **4 Framax transport bolts are always needed per repositioning unit!**

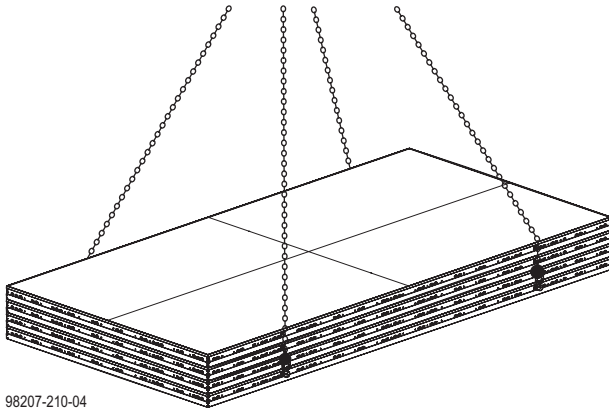


WARNING

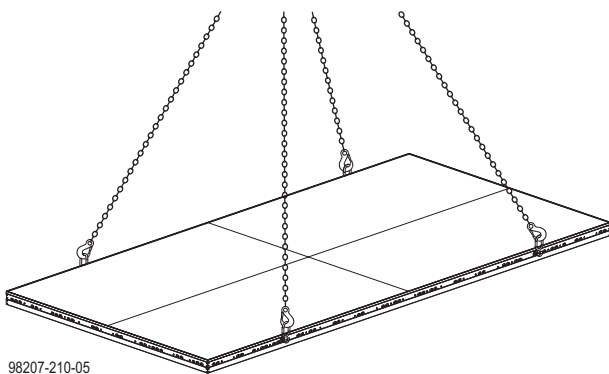
Framax transport bolt:

- ▶ The transport of connected tables and tables with table panels is prohibited!

Repositioning of stacks

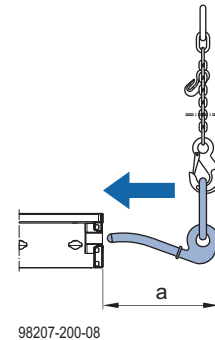


Repositioning single tables



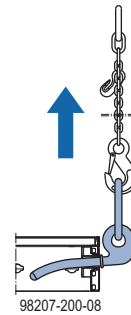
Repositioning procedure:

- ▶ Push all 4 Framax transport bolts into the crane lifting points of the table as far as they will go. When repositioning stacks, always insert the bolts in the bottom table.



a ... required space for insertion min. 25 cm

- ▶ Raise the Doka 4-part chain by crane. The transport bolt locks automatically under load.



Follow the 'Framax transport bolt' and 'Doka 4-part chain 3.20m' Operating Instructions!

Frami transport hook with Doka 4-part chain 3.20m

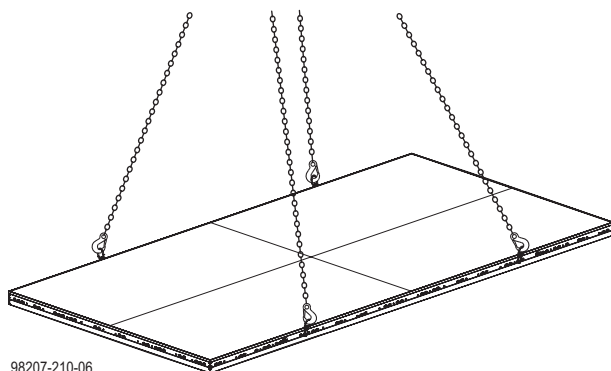
The Frami transport hook is a lifting accessory and is used in combination with the Doka 4-part chain 3.20m for transporting a single DokaXdek table (including swivel heads).

- **Permissible working load limit:**
450 kg / Frami transport hook



NOTICE

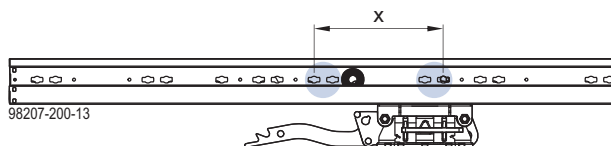
- Reposition only one table at a time.
- **4** Frami transport hooks are always needed per repositioning unit!
- Arrange Frami transport hooks symmetrically (short or long side)! Pay attention to the centre of gravity of the table!



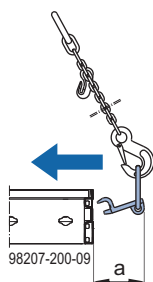
Repositioning procedure:

- Push all 4 Frami transport hooks, as far as they will go, into the outside cross holes in the table frame (short or long side).

Recommended positions of the transport hooks



x ... hook-fixing zone: 2 cross holes to left and right of the lifting point for transport bolt

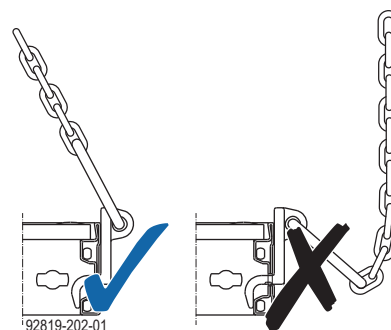


a ... required space for insertion min. 10 cm

- Raise the Doka 4-part chain by crane. The transport hook locks automatically under load.



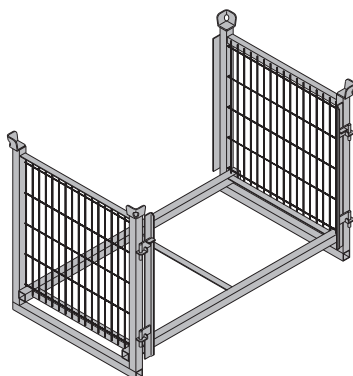
- Position the crane approximately in the centre above the table.
- First hook two transport hooks onto one side of the table. Then hook the other two transport hooks onto the other side of the table.
- Ensure that the chain does not sag or rest on the table.



Follow the 'Frami transport hook' and 'Doka 4-part chain 3.20m' Operating Instructions!

Frami pallet 1.50m and DokaXlight pallet 1.00m

To accommodate the DokaXdek table panels.



Frami pallet 1.50m:

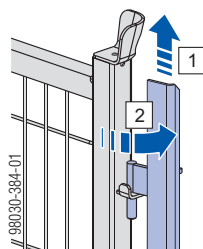
- Permissible load-bearing capacity: 800 kg (1760 lbs)
- Permitted imposed stacking load: 3500 kg (7700 lbs)

DokaXlight pallet 1.00m:

- Permissible load-bearing capacity: 800 kg (1760 lbs)
- Permitted imposed stacking load: 3450 kg (7600 lbs)

Loading the pallets (from the side)

- 1) Lift the left and right side hinges.
- 2) Turn the side hinges to one side.



- 3) Load the pallets.
- 4) Lift the left and right side hinges and close them.



Both side hinges must be locked in place.

Using pallets as storage units

Max. number of units on top of one another

Outdoors (on the site) Floor gradients up to 3%	Indoors Floor gradients up to 1%
Do not stack Frami pallets on top of each other outdoors!	6



NOTICE

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

Max. n° of panels that can be loaded

DokaXdek table panel	Frami pallet 1.50m	DokaXlight pallet 1.00m
0.50x1.50m	10	—
0.75x1.50m	8	—
0.50x1.00m	—	10
0.75x1.00m	—	8

Correct loading

Width of the DokaXdek table panels	
0.50m	0.75m
 7 laid flat, 3 on edge	 7 laid flat, 1 on edge

Using pallets as transport devices

Lifting by crane

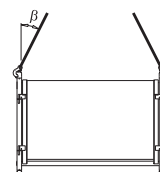


Both side hinges must be locked before the crane slings are attached.



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 permissible working load limit.
- Sling angle β max. 30°!



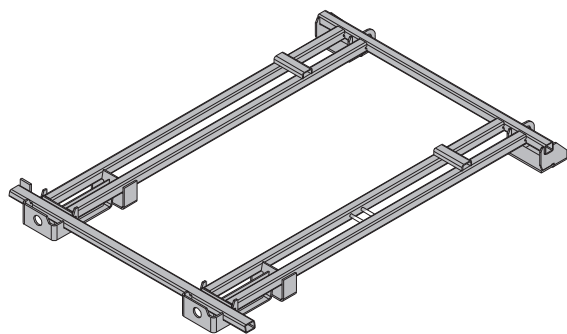
98030-383-01

Repositioning by forklift truck or pallet stacking truck

The forks can be inserted under the broadside of the containers.

Dokamatic table-frame pallet

2.15x1.60m



Storage unit and transport device for Table frames 1.50m and Dokamatic table frames 1.50m.

- Durable and stackable.
- Optimised for container and truck-based shipments.
- Entry direction for transport appliances: possible from all sides.

Suitable transport appliances:

- Crane
- Pallet truck
- Forklift truck

Permissible load-bearing capacity: 1450 kg

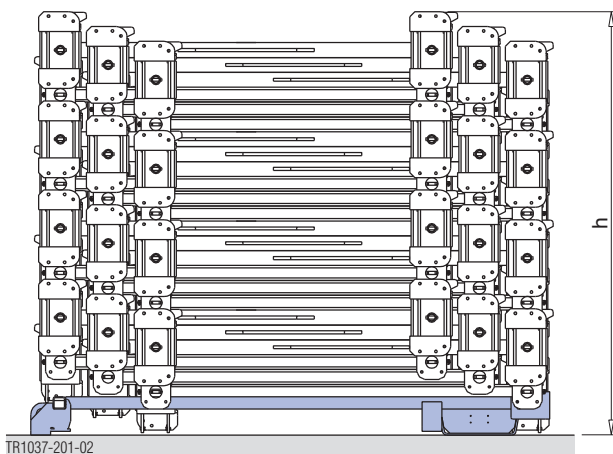
Permitted imposed stacking load: 4600 kg



NOTICE

- The type plate must be in place and clearly legible.
- Ensure that the table frames are centrally placed!

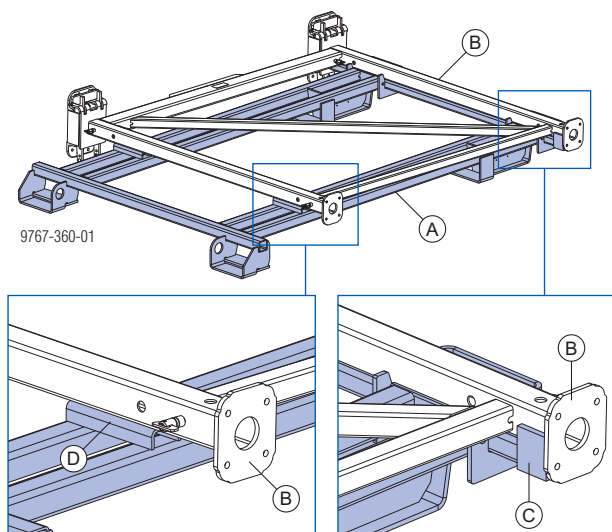
Stacking the table frames



h ... 172 cm (max. 24 frames)

Loading the transport device

- Lay the first table frame onto the defined points of the Dokamatic table-frame pallet (see close-ups).



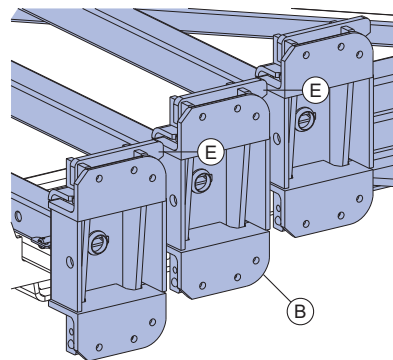
A Dokamatic table-frame pallet 2.15x1.60m

B Table frame 1.50m or Dokamatic table frame 1.50m

C Distance piece

D Support profile

- Stack all the other table frames, with an alternating axis offset (always 3 frames side-by-side).



B Table frame 1.50m or Dokamatic table frame 1.50m

E Spacer wedge

This way the table frames are secured against slippage.

Dokamatic table-frame pallet 2.15x1.60m as a storage unit

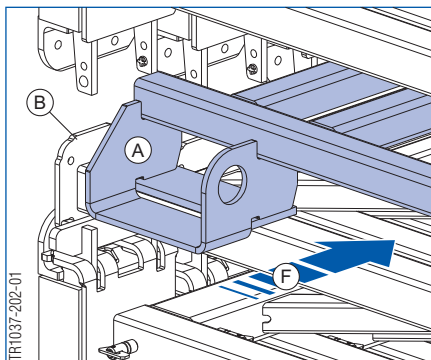
Stacking and storing filled Dokamatic table-frame pallets 2.15x1.60m



NOTICE

- The Dokamatic table-frame pallets 2.15x1.60m at the bottom of the stack must be completely and uniformly filled.
- There must be a flat, firm base capable of supporting the load (e.g. concrete).

	Max. q'ty	Max. inclination of floor
Stacked on site	2	3%
Stacked in warehouse	3	1%



A Dokamatic table-frame pallet 2.15x1.60m

B Table frame 1.50m or Dokamatic table frame 1.50m

F Entry direction

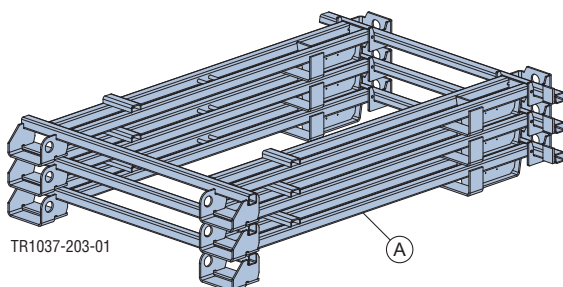


NOTICE

When filled Dokamatic table-frame pallets 2.15x1.60m are being stacked, there is only one possible entry direction (**F**) for transport appliances.

Stacking and storing empty Dokamatic table-frame pallets 2.15x1.60m

	Max. q'ty	Max. inclination of floor
Stacked on site	20	3%
Stacked in warehouse	25	1%



A Dokamatic table-frame pallet 2.15x1.60m

Dokamatic table-frame pallet 2.15x1.60m as a transport device

Lifting by crane



WARNING

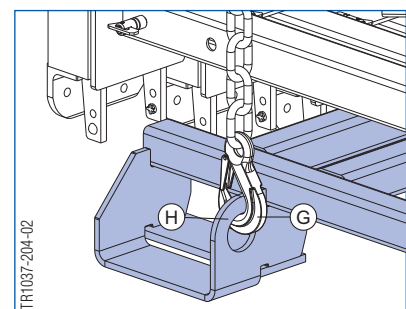
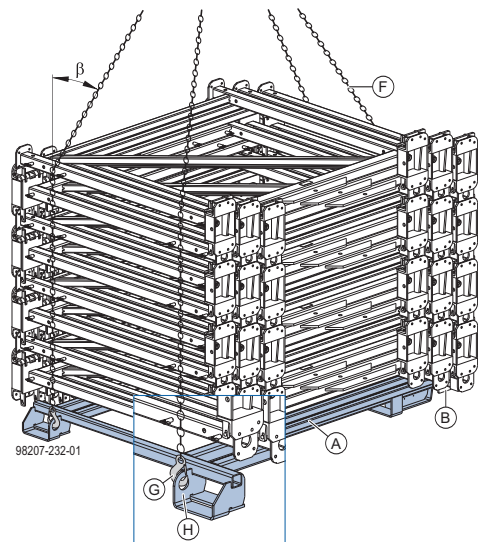
Do not attach the lifting chains to the table frames!

- ▶ Attach the lifting chains to the 4 crane lifting points on the Dokamatic table-frame pallet 2.15x1.60m only.



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 permissible working load limit.
- Sling angle β max. 30°!



A Dokamatic table-frame pallet 2.15x1.60m

B Table frame 1.50m or Dokamatic table frame 1.50m

G Doka 4-part chain 3.20m

H Crane lifting point

Repositioning by forklift truck or pallet stacking truck



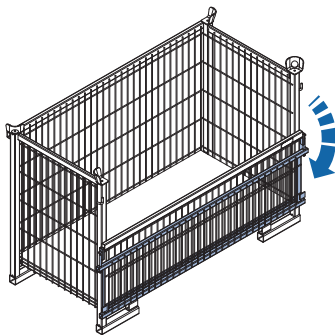
NOTICE

- Push the forks of the forklift truck as far apart as possible.

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.



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

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

Max. number 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 multi-trip boxes or 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!
- Castor wheels must not be fitted to the bottom multi-trip packaging in the stack.
- Secure multi-trip packagings with installed castor wheels using the fixing brake when parking.

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

Suitable transport appliances:

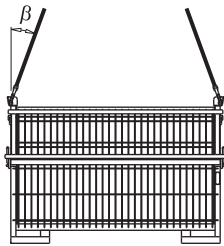
- Crane
- Forklift truck
- Pallet truck
- [Universal castor wheel for transport pallet](#)

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 permissible working load limit of the lifting chains.
- Sling angle β max. 30°!



9234-203-01

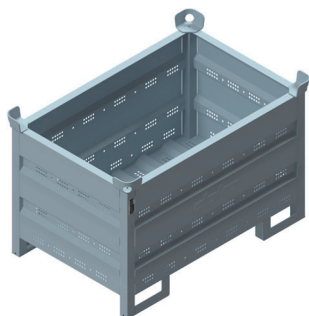
Repositioning by forklift truck or pallet stacking truck

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

Doka multi-trip transport box

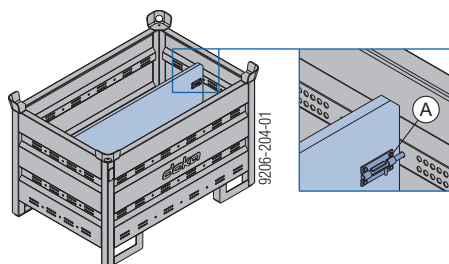
Storage and transport device for small items

Doka multi-trip transport box 1.20x0.80m



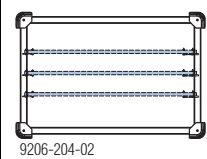
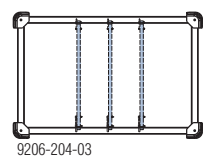
Permissible load-bearing capacity: 1500 kg (3300 lbs)
Permissible imposed stacking load: 7850 kg (17300 lbs)

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**.

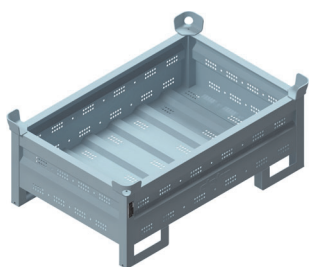


A Slide-bolt for fixing the partition

Possible ways of dividing the box

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

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



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

Using Doka multi-trip transport boxes as storage units

Max. number of units on top of one another

Outdoors (on the site) Floor gradients up to 3%		Indoors 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 multi-trip boxes or 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!
- Castor wheels must not be fitted to the bottom multi-trip packaging in the stack.
- Secure multi-trip packagings with installed castor wheels using the fixing brake when parking.

Using Doka multi-trip transport boxes as transport devices

Suitable transport appliances:

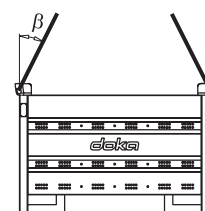
- Crane
- Forklift truck
- Pallet truck
- [Universal castor wheel for transport pallet](#)

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 permissible working load limit of the lifting chains.
- Sling angle β max. 30°!



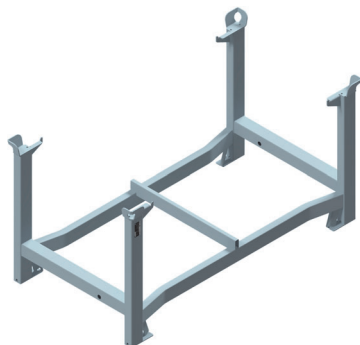
9206-202-01

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.



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

Using Doka stacking pallets as storage units

Max. number 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 multi-trip boxes or 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!
- Castor wheels or bolt-on castor sets must not be fitted to the bottom multi-trip packaging in the stack.
- Secure multi-trip packagings with installed castor wheels using the fixing brake when parking.

Using Doka stacking pallets as transport devices

Suitable transport appliances:

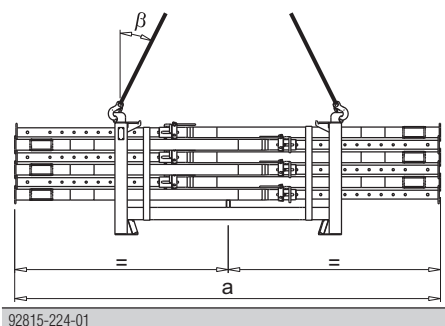
- Crane
- Forklift truck
- Pallet truck
- [Universal castor wheel for transport pallet](#)
- [Bolt-on castor set B](#)

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 permissible 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°!



	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

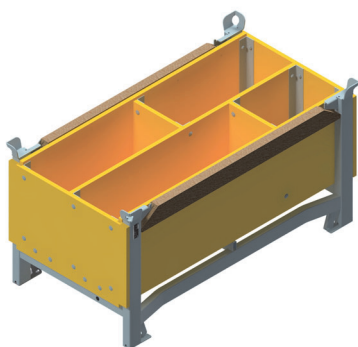


NOTICE

- 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.



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

Doka accessory boxes as storage units

Max. number 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 multi-trip boxes or 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!
- Castor wheels or bolt-on castor sets must not be fitted to the bottom multi-trip packaging in the stack.
- Secure multi-trip packagings with installed castor wheels using the fixing brake when parking.

Doka accessory box as transport devices

Suitable transport appliances:

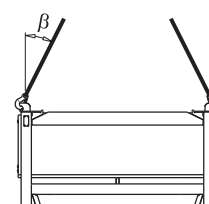
- Crane
- Forklift truck
- Pallet truck
- [Universal castor wheel for transport pallet](#)
- [Bolt-on castor set B](#)

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 permissible working load limit of the lifting chains.
- 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.

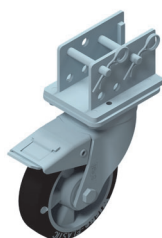
Universal castor wheel for transport pallet

The Universal castor wheel for transport pallet turns multi-trip packaging items into fast and manoeuvrable transport devices.

- 4 castor wheels needed per multi-trip packaging item.
- Compatible multi-trip packaging items:
 - Doka stacking pallets (all sizes)
 - Doka accessory box
 - Doka multi-trip transport box 1.20x0.80m
 - Doka skeleton transport box 1.70x0.80m
 - DokaXdek panel pallets (all sizes)
 - Dokadek infill beam pallet
 - Superdek beam pallet 1.22x1.10m



Follow the directions in the 'Universal castor wheel for transport pallet' User Information booklet.



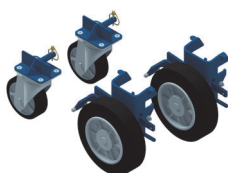
Bolt-on castor set B

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.
- Compatible multi-trip packaging items:
 - Doka accessory box
 - Doka stacking pallets (all sizes)
 - Protective barrier Z pallets



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



Cleaning and care of your equipment

The **special coating on the Xlife sheet** greatly reduces the amount of cleaning that is needed.



WARNING

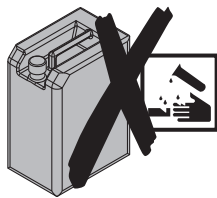
► Risk of slippage when surface is wet!

Cleaning



NOTICE

- Immediately after pouring:
 - Remove any blobs of concrete from the back-face of the formwork, using water (without any added sand).
- Immediately after stripping the formwork
 - Clean the formwork with a high-pressure washer and a concrete scraper.
- Do not use any chemical cleaning agents!



Cleaning equipment

High-pressure spray cleaner

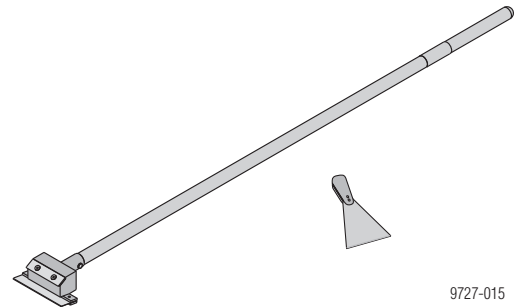


NOTICE

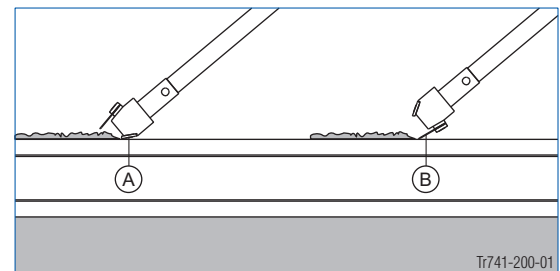
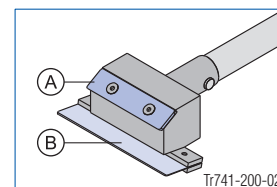
- Appliance pressure rating: 200 to max. 300 bar
- Keep the water-jet the correct distance from the formwork, and move it at the right speed:
 - The higher the pressure, the further away from the formwork you must keep the jet and the faster you must move it across the surface.
- Do not aim the jet at one place for too long.
- Make only moderate use of the jet around the silicone sealing strip:
 - If the pressure is too high, this will damage the silicone sealing strip.
 - Do not aim the jet at one place for too long.

Concrete scraper

For removing any concrete remnants, we recommend using a **Double scraper Xlife** and a spatula.



Functional description:



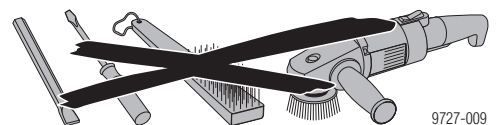
A Blade for dealing with heavy soiling

B Blade for dealing with slight soiling

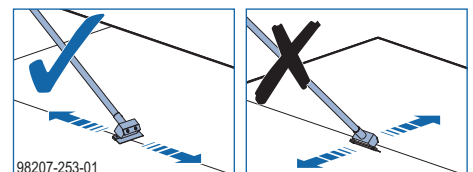


NOTICE

- Do not use pointed or sharp objects, wire brushes, abrasive discs or cup brushes.



- Always clean the panel with the scraper **along the edge** to ensure its longevity.



Release agents

Doka-Trenn and Doka-OptiX are applied using the Doka sprayer for release agent.



Follow the directions in the 'Doka sprayer for release agent' Operating Instructions and on the containers of release agent.



NOTICE

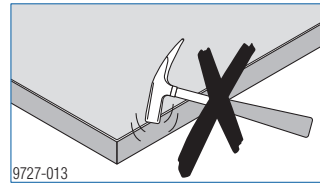
- Before every pour:
 - Apply concrete release agent to the formwork sheet and the end faces **extremely thinly, evenly** and **in a continuous layer**.
- Make sure there are no drips of release agent running down the formwork sheet.
- Applying too much release agent will spoil the concrete finish.



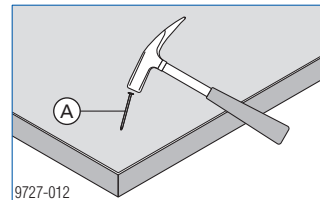
To determine the right dosage and to make sure that you are using the agent correctly, test it on less important parts of the structure first.

Care

- No hammer-blows to the frame profiles



- Do not use nails on the formwork that are longer than 60 mm



A max. l = 60 mm

Reshoring props, concrete technology and stripping out



Follow the directions in the 'Stripping formwork from slabs in building construction' Calculation Guide or contact Doka!

Concrete monitoring



Concremote provides reliable, standards-compliant information on the strength development of concrete on the site, in real-time.



Follow the directions in the 'Concremote' User Information booklet.

When is the best time to strip out the formwork?

The concrete strength needed before the formwork can be stripped out will depend upon the load factor α . This can be read off from the following table.

Load factor α

This is calculated by:

$$\alpha = \frac{DL_{\text{concrete}} + LL_{\text{construction state}}}{DL_{\text{concrete}} + DL_{\text{finishing}} + LL_{\text{final state}}}$$

Slab thickness d [m]	Dead load DL_{concrete} [kN/m ²]	Load factor α			
		2.00 kN/m ²	3.00 kN/m ²	4.00 kN/m ²	5.00 kN/m ²
0.14	3.50	0.67	0.59	0.53	0.48
0.16	4.00	0.69	0.61	0.55	0.50
0.18	4.50	0.71	0.63	0.57	0.52
0.20	5.00	0.72	0.65	0.59	0.54
0.22	5.50	0.74	0.67	0.61	0.56
0.25	6.25	0.76	0.69	0.63	0.58
0.30	7.50	0.78	0.72	0.67	0.62
0.35	8.75	0.80	0.75	0.69	0.65

Valid for a finishing load $DL_{\text{finishing}} = 2.00 \text{ kN/m}^2$ and a live load in the early-stripped state of $LL_{\text{construction state}} = 1.50 \text{ kN/m}^2$

DL_D : Calculated with $\gamma_{\text{concrete}} = 25 \text{ kN/m}^3$

$DL_{\text{finishing}}$: Load for floor finish, etc.

Example: Slab thickness 0.20 m with a final live load of 5.00 kN/m^2 results in a load factor α of 0.54.

This means that formwork removal / stress-release can take place once the concrete has reached 54% of its 28-day strength. The load-bearing capacity will then correspond to that of the finished structure.



NOTICE

If the floor props are not stress-relieved, meaning that the slab has not been activated, then the props will remain loaded with the dead weight of the floor-slab.

When the floor above is concreted, this may lead to a doubling of the load that is being applied to the floor props.

The floor props are not designed to cope with such an overload, and the result may be damage to the formwork, the floor props and the structure.

Why put up reshoring props after stripping out the formwork?

After the formwork has been stripped and the floor-slab has been stress-relieved or dismantled, the floor-slab is able to bear its dead load and live loads resulting from the construction state, but not the concreting loads from subsequent floor-slabs.

The temporary reshoring serves to support the floor-slab and distribute the concreting loads across several floors.

Positioning the reshoring props correctly

Reshoring props have the job of spreading loads between the new floor-slab and the floor beneath it. The load distribution will depend on the relationship between these two floor-slabs and their rigidity.



NOTICE

Ask an expert!

As a rule, the question of using reshoring props should be referred to the responsible experts (e.g. structural engineers), regardless of the information given above.

Observe all local standards and regulations!



The **Floor prop spring clamp** provides extra stability of the floor prop.

- This accessory reduces the risk of the floor prop tipping over when the load on it is relieved in the course of construction work.



- The spring clamp is designed to be pushed into the top end of the inner tube of the floor prop.

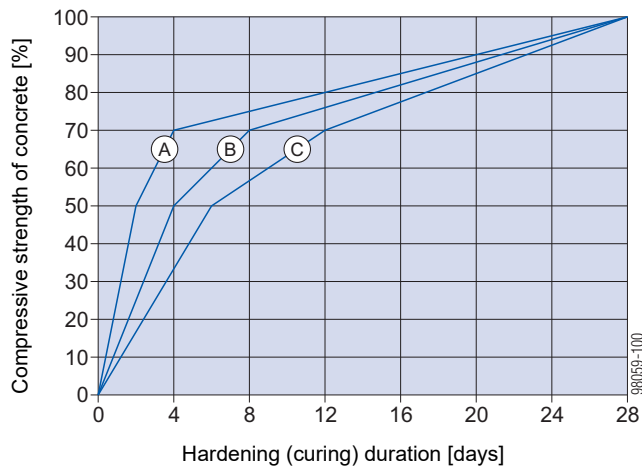
Strength development in the new concrete

Rough reference values can be found in DIN 1045-3:2008, Table 2. The length of time until 50 percent of the final (28-day) strength is reached can be read off from this Table as a function of the temperature and the type of concrete.

The values are only valid if the concrete is given correct, appropriate curing throughout the entire period.

For a concrete with medium strength development, the following inferred diagram may thus be used.

Concrete-strength development – medium



A $\vartheta \geq 15^\circ$

B $\vartheta \geq 10^\circ$

C $\vartheta \geq 5^\circ$

Deflection of the new concrete

The concrete's modulus of elasticity develops faster than compressive strength. At 60 % of its compressive strength f_{ck} , the concrete has already reached approximately 90% of its modulus of elasticity $E_{c(28)}$.

The increase in the elastic deformation taking place in the new concrete is thus only negligible.

The creep deformation, which only finally ceases after several years, is several times more than the elastic deformation.

Early striking – e.g. after 3 days instead of 28 – thus only leads to an increase in the total deformation of less than 5%.

The part of this deformation accounted for by creep deformation, however, may be anything between 50% and 100% of the standard value, due to such variable influences as the strength of the aggregates, and the atmospheric humidity. This means that the total deflection of the floor-slab is practically independent of the time at which the formwork was struck.

Cracks in new concrete

The bonding strength between the reinforcement steel and the concrete develops more rapidly in the new concrete than does its compressive strength. This means that early stripping does not have any negative influence upon the size and distribution of cracks on the tension side of reinforced concrete constructions.

Other cracking phenomena can be countered effectively by appropriate curing methods.

Curing of new concrete

New site-placed concrete is exposed to influences which may cause cracking and slow down its strength development:

- premature drying
- over-rapid cooling in the first few days
- excessively low temperatures or frost
- mechanical damage to the surface of the concrete
- hydration heat
- etc.

The simplest precaution is to leave the formwork on the concrete surface for longer. As well as the familiar extra curing measures, this measure should be carried out in any case.

Removing the load from the formwork from wide-spanned floor-slabs with support centres of over 7.5m



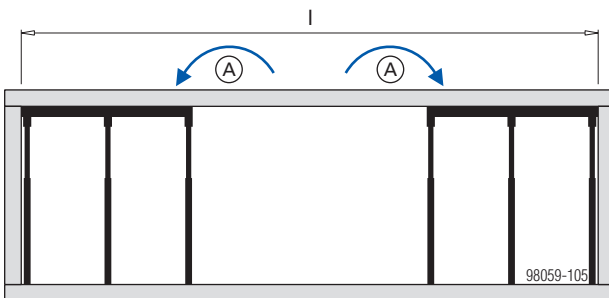
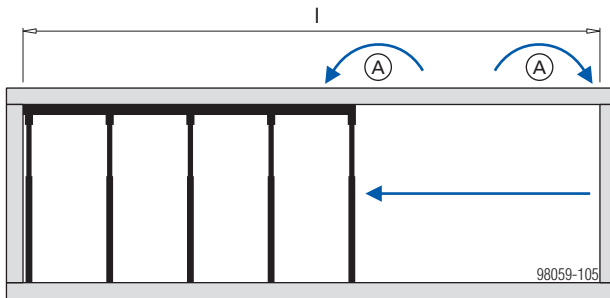
NOTICE

In the case of thin, wide-spanned concrete floor-slabs (e.g. in multistorey car parks), the following points must be remembered:

- When the formwork beneath these floor-slab spans is released (i.e. when the load is taken off the floor props), the floor props that are still in place are briefly subjected to additional loads. This may lead to overloading, and to the floor props being damaged.
- Contact Doka!

As a basic rule:

- Stress-release should always be carried out working **from one side towards the other, or from the middle of the floor-slab (mid-span) towards the slab edges**.
For wide spans, this procedure **MUST** be followed!
- Stress-release must **NEVER** be carried out **from both sides towards the middle!**



l ... effective floor-slab spans of 7.50 m and over

A Load redistribution

Horizontal loads of floor formwork

Horizontal loads imposed while the concrete is being poured are considerably higher than the horizontal loads imposed during installation. Consequently appropriate measures are required to transfer them, for example:

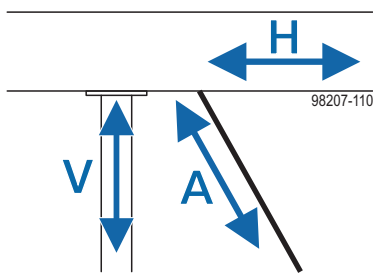
- into the building structure (columns or walls).
- by cables, straps, plumbing struts or bracings.

The load-bearing capacities of these measures may be combined and added.



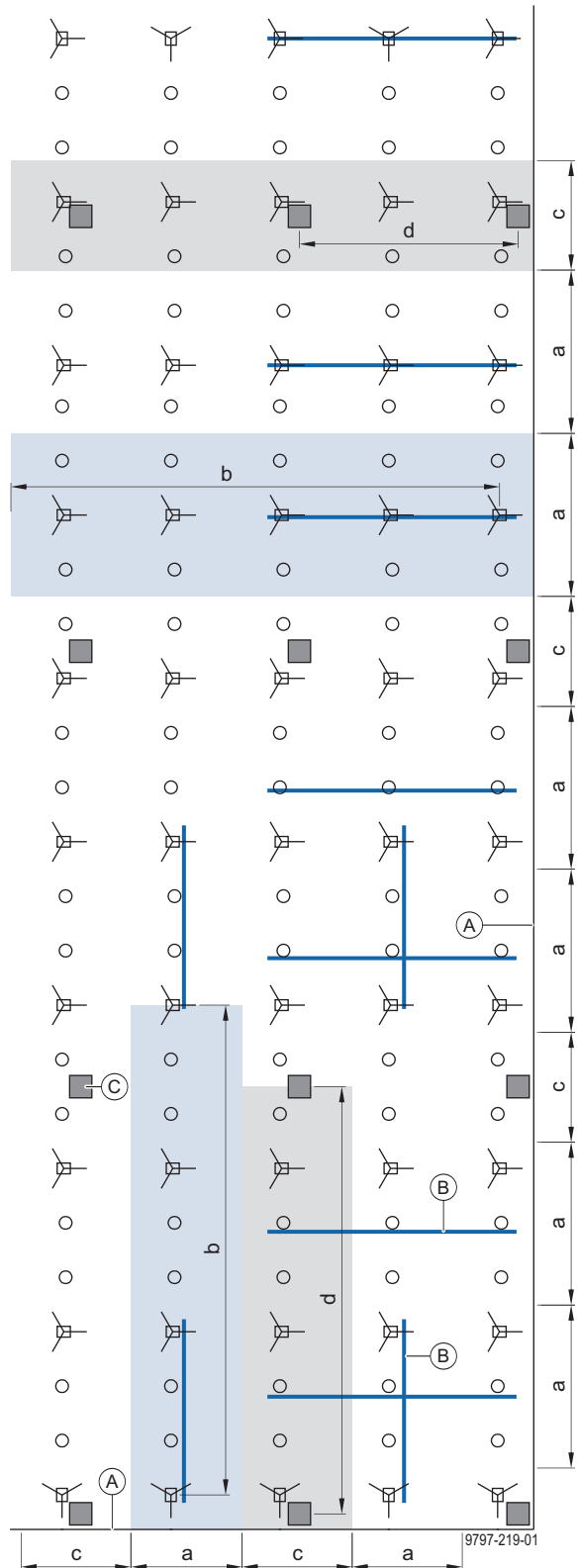
NOTICE

- The forces occur in all directions.
- As regards the transmission of the horizontal loads into an existing structure, it can be assumed that structural components which carry horizontal loads in the final state can do so also during pouring of the concrete floor-slab, for example high-rise building core or solid reinforced-concrete columns. Slender columns hinged at both ends at the edges of structures are not suitable. Contact the structural designer if questions arise!
- The floor-slab loads are a uniformly distributed load. The horizontal loads are exerted over a large area.
If the horizontal loads are transmitted in concentrated form, it is important to form a non-positive locked formwork plane (friction, pressure contact, form-fit, pull nails, etc.).
- Particularly during assembly, storage areas on the floor formwork have to be considered separately on account of the concentrated higher loads! Additional precautions are needed here!
- When diagonal bracing is used to sustain horizontal loads, the vertical component has to be taken into account as an additional load on the floor props. Pay attention to the lifting forces at the supports.



Note:

This section deals only with the typical zone for horizontal floor formwork. Special areas (edge, drop beams, steps, sloping slabs, etc.) have to be examined and planned separately!



Area of influence of the bracing

- a influence width of the bracing
- b spacing of the bracing in primary-beam or secondary-beam direction
- area of influence of the existing column
- c influence width of an existing column
- d distance between columns

A Slab edge (open)

B Bracing or tie-back

C Existing column

The following table helps to determine the area of influence of bracing, tie-back or column:

Horizontal loads [kN]

Slab thickness [cm]	Slab surface [m ²]									
	5	10	15	20	25	30	35	40	45	50
10	0.6	1.1	1.5	2.0	2.4	2.8	3.3	3.7	4.2	4.6
12	0.6	1.2	1.7	2.2	2.7	3.2	3.7	4.2	4.7	5.2
14	0.7	1.3	1.9	2.5	3.0	3.6	4.1	4.7	5.3	5.8
16	0.8	1.5	2.1	2.7	3.3	3.9	4.6	5.2	5.8	—
18	0.8	1.6	2.3	3.0	3.6	4.3	5.0	5.7	—	—
20	0.9	1.7	2.5	3.2	3.9	4.7	5.4	—	—	—
22	0.9	1.8	2.6	3.4	4.2	5.1	5.9	—	—	—
24	1.0	2.0	2.8	3.7	4.6	5.4	—	—	—	—
26	1.1	2.1	3.0	3.9	4.9	5.8	—	—	—	—
28	1.1	2.2	3.2	4.2	5.2	—	—	—	—	—
30	1.2	2.3	3.4	4.4	5.5	—	—	—	—	—
32	1.3	2.5	3.6	4.7	5.8	—	—	—	—	—
34	1.3	2.6	3.8	4.9	—	—	—	—	—	—
36	1.4	2.7	4.0	5.2	—	—	—	—	—	—
38	1.5	2.9	4.1	5.4	—	—	—	—	—	—
40	1.5	3.0	4.3	5.7	—	—	—	—	—	—
42	1.6	3.1	4.5	—	—	—	—	—	—	—
44	1.7	3.3	4.7	—	—	—	—	—	—	—
46	1.7	3.4	4.9	—	—	—	—	—	—	—
48	1.8	3.5	5.1	—	—	—	—	—	—	—
50	1.9	3.7	5.3	—	—	—	—	—	—	—
52	1.9	3.8	5.5	—	—	—	—	—	—	—
54	2.0	3.9	5.7	—	—	—	—	—	—	—
56	2.1	4.1	5.9	—	—	—	—	—	—	—

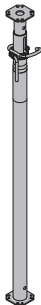
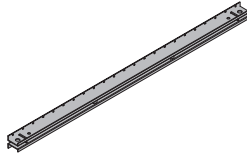
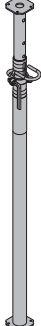
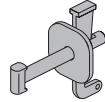
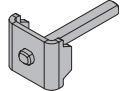
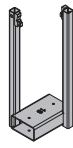
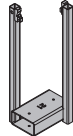
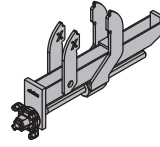
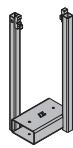
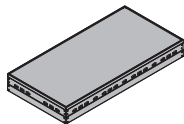
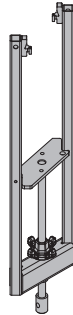
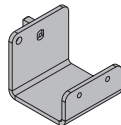
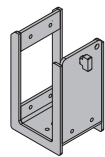
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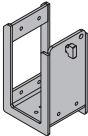
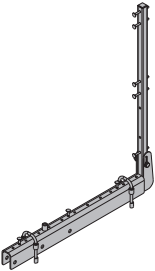
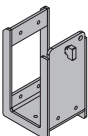
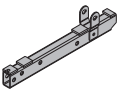
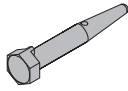
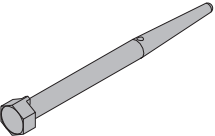
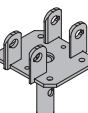
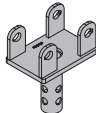
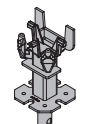
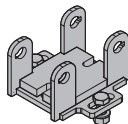
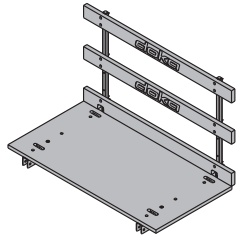
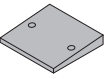
- Assumption: Horizontal load of 2.5%, comprising the following:
 - 1 % for imperfections
 - 1% for horizontal equivalent load
 - 0.5% for wind load
- The horizontal loads occur in all directions.
- All horizontal loads are less than 6 kN. It can be assumed that these loads can be absorbed by friction at a load-bearing structural column.
- The horizontal loads with blue background are less than 2.5 kN and can be transferred by Doka tie-back solutions. A permissible tie-back force of max. 5 kN at an angle of 60° is assumed.

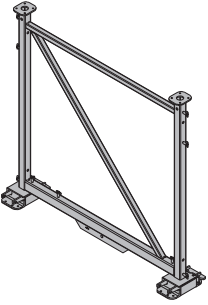
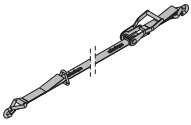
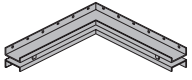
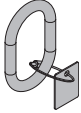
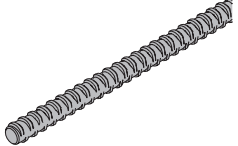
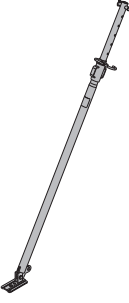
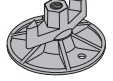
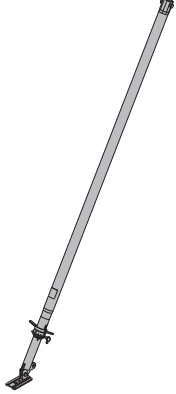
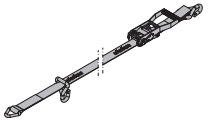
Example: Slab thickness 30 cm and bracing with lashing straps

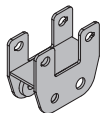
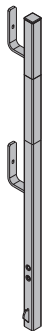
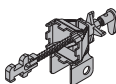
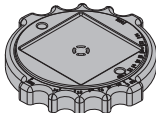
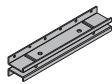
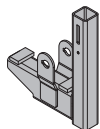
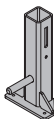
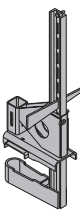
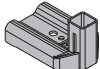
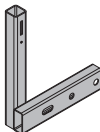
- 1 lashing strap required per 10 m² of slab area.
- If the horizontal load can be absorbed by columns for this slab thickness, each column takes up 25 m². This means that, on average, 2.5 times fewer lashing straps are required.

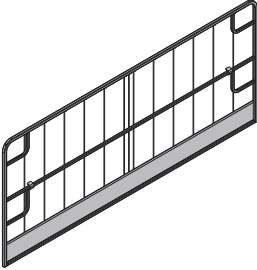
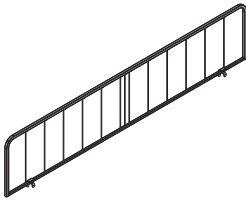
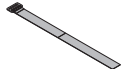
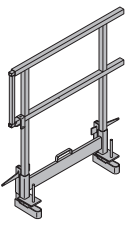
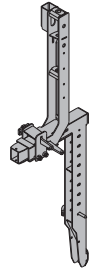
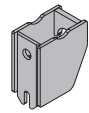
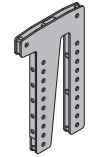
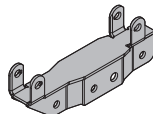
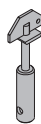
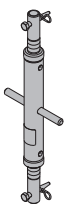


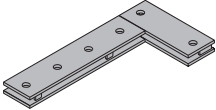
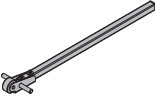
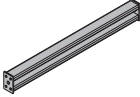
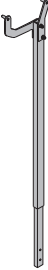
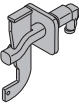
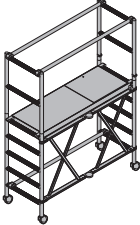
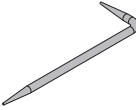
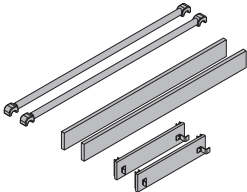
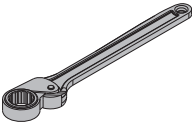
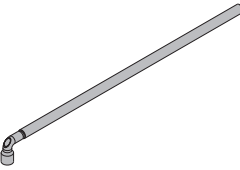
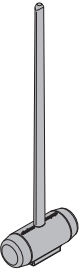
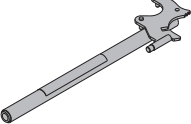
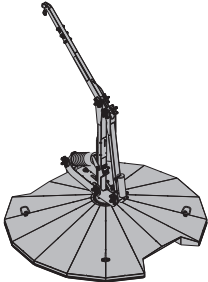
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Doka floor prop Eurex 20 basic 250 Length: 148 - 250 cm Doka floor prop Eurex 20 basic 300 Length: 173 - 300 cm Doka floor prop Eurex 20 basic 350 Length: 198 - 350 cm Doka floor prop Eurex 20 basic 400 Length: 223 - 400 cm Doka-Deckenstütze Eurex 20 basic Galvanised	11.1	586230000	DokaXdek universal waling T 2.30m DokaXdek-Klemmschiene T 2,30m Painted blue	25.5	584131000
					
Doka floor prop Eurex 20 LW 300 Length: 173 - 300 cm Doka floor prop Eurex 20 LW 350 Length: 198 - 350 cm Doka-Deckenstütze Eurex 20 LW Galvanised	11.5	586876000	Framax wedge clamp Framax-Spannklemme Galvanised Length: 21 cm	1.5	588152000
					
Centring connector 15.0 Zentrierverbinder 15,0 Galvanised Length: 12.6 cm	0.45	584111000	DokaXdek suspension clamp T 18mm DokaXdek-Einhängebügel T 18mm Galvanised Powder-coated grey Height: 43 cm	2.3	584113000
					
Centring nut 15.0 Zentriermutter 15,0 Galvanised Height: 5 cm Diameter: 6.6 cm Width-across: 27 mm	0.36	584112000	DokaXdek suspension clamp T 21mm DokaXdek-Einhängebügel T 21mm Galvanised Powder-coated yellow Height: 43 cm	2.3	584114000
					
DokaXdek adjustable clamp T DokaXdek-Ausgleichsspanner T Galvanised Length: 40 cm	3.7	584130000	DokaXdek suspension clamp T 27mm DokaXdek-Einhängebügel T 27mm Galvanised Powder-coated grey Height: 43 cm	2.5	584115000
					
DokaXdek table panel 0.50x1.00m DokaXdek table panel 0.75x1.00m DokaXdek table panel 0.50x1.50m DokaXdek table panel 0.75x1.50m DokaXdek-Tischelement Galvanised Painted yellow Grey	23.3 39.5 36.5 53.0	584128000 584127000 584126000 584125000	DokaXdek lowering clamp T DokaXdek-Absenkbügel T Galvanised Height: 68.5 cm	4.6	584137000
					
			DokaXdek squared timber support 8x10cm DokaXdek-Kantholzaufleger 8x10cm Galvanised Width: 10 cm Height: 9.4 cm	1.1	584119000
					
			DokaXdek beam support H20 18mm DokaXdek-Trägerauflager H20 18mm Galvanised Powder-coated grey Width: 12.5 cm Height: 21.5 cm	2.5	584116000
					

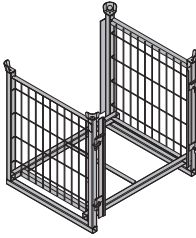
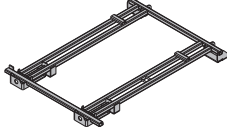
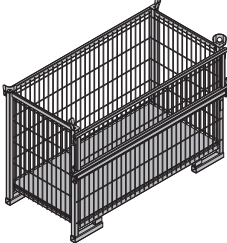
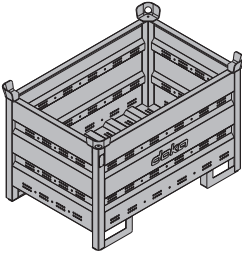
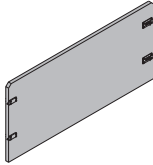
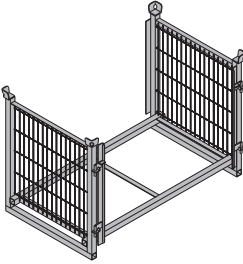
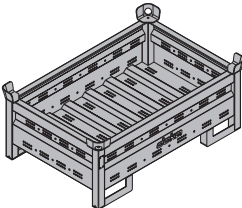
	[kg]	Article N°		[kg]	Article N°
DokaXdek beam support H20 21mm DokaXdek-Trägerauflager H20 21mm  Galvanised Powder-coated yellow Width: 12.5 cm Height: 21.5 cm	2.6	584117000	Dokamatic platform bracket 1.00m Dokamatic-Bühnenkonsole 1,00m  Galvanised Length: 112 cm Height: 124 cm	19.5	586227000
DokaXdek beam support H20 27mm DokaXdek-Trägerauflager H20 27mm  Galvanised Powder-coated grey Width: 12.5 cm Height: 21.5 cm	2.6	584118000	DokaXdek platform adapter T DokaXdek-Bühnenadapter T  Galvanised Length: 72.4 cm	5.7	584121000
Supporting head H20 DF Haltekopf H20 DF  Galvanised Length: 19 cm Width: 11 cm Height: 8 cm	0.77	586179000	Connecting pin 10cm Verbindungsbolzen 10cm  Galvanised Length: 14 cm	0.34	580201000
Spring locked connecting pin 16mm Federbolzen 16mm  Galvanised Length: 15 cm	0.25	582528000	Connecting pin 25cm Verbindungsbolzen 25cm  Galvanised Length: 25 cm	0.58	580202000
DokaXdek prop connection T DokaXdek-Stützenanschluss T  Galvanised Height: 23 cm	2.9	584134000	Spring cotter 5mm Federvorstecker 5mm  Galvanised Length: 13 cm	0.03	580204000
DokaXdek prop-connection plate T DokaXdek-Stützenanschlussplatte T  Galvanised Length: 18 cm Width: 15 cm Height: 1 cm	1.2	584135000	DokaXdek scaffold connector T DokaXdek-Gerüstanschluss T  Galvanised Height: 22.8 cm	3.2	584123000
DokaXdek connecting head DokaXdek-Verbindungskopf  Galvanised Height: 34.6 cm	3.3	584007000	DokaXdek spindle connector T DokaXdek-Spindelanschluss T  Galvanised Height: 10.2 cm	4.8	584124000
Dokamatic table platform 1.00/2.00m Dokamatic table platform 1.00/2.50m Dokamatic-Tischbühne  Steel parts galvanised Timber parts varnished yellow Delivery condition: folded closed	92.0 103.0	586218000 586217000	DokaXdek wedge for screw jack T % DokaXdek-Spindelkeil T %  Length: 19.5 cm Width: 21 cm	0.35	176002000

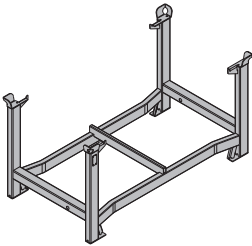
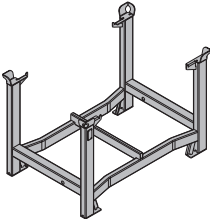
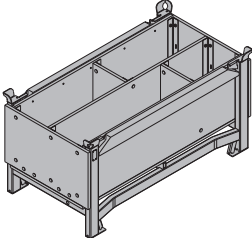
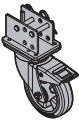
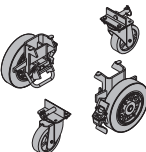
	[kg]	Article N°		[kg]	Article N°
Table frame 1.50m Tischrahmen 1,50m  Galvanised	60.0	586224500	Lashing strap 5.00m Zurrgurt 5,00m  Yellow	2.8	586018000
Framax universal corner waling Framax-Eckklemmschiene  Painted blue Length: 60 cm Width: 60 cm	12.8	588151000	Suspension link A18 Aufhängeglied A18  Galvanised Follow the directions in the "Operating Instructions"!	0.87	581368000
Tie rod 15.0mm galvanised 0.50m Tie rod 15.0mm galvanised 0.75m Tie rod 15.0mm galvanised 1.00m Tie rod 15.0mm galvanised 1.25m Tie rod 15.0mm galvanised 1.50m Tie rod 15.0mm galvanised 1.75m Tie rod 15.0mm galvanised 2.00m Tie rod 15.0mm galvanised 2.50m Tie rod 15.0mm galvanisedm Tie rod 15.0mm non-treated 0.50m Tie rod 15.0mm non-treated 0.75m Tie rod 15.0mm non-treated 1.00m Tie rod 15.0mm non-treated 1.25m Tie rod 15.0mm non-treated 1.50m Tie rod 15.0mm non-treated 1.75m Tie rod 15.0mm non-treated 2.00m Tie rod 15.0mm non-treated 2.50m Tie rod 15.0mm non-treated 3.00m Tie rod 15.0mm non-treated 3.50m Tie rod 15.0mm non-treated 4.00m Tie rod 15.0mm non-treated 5.00m Tie rod 15.0mm non-treated 6.00m Tie rod 15.0mm non-treatedm Ankerstab 15,0mm	0.72 1.1 1.4 1.8 2.2 2.5 2.9 3.6 1.4 0.73 1.1 1.4 1.8 2.1 2.5 2.9 3.6 4.3 5.0 5.7 7.2 8.6 1.4	581821000 581822000 581823000 581826000 581827000 581828000 581829000 581852000 581824000 581870000 581871000 581874000 581886000 581876000 581887000 581875000 581877000 581878000 581888000 581879000 581880000 581881000 581873000	Doka express anchor 16x125mm Doka-Expressanker 16x125mm  Galvanised Length: 18 cm	0.31	588631000
			Doka coil 16mm Doka-Coil 16mm  Galvanised Diameter: 1.6 cm	0.009	588633000
			Information plate for express anchor Plakette Expressanker  PS Width: 8 cm Height: 7.5 cm	0.1	588630000
		DIN 18216	Plumbing strut 340 IB Justierstütze 340 IB  Galvanised Length: 190.8 - 341.8 cm	16.7	588696000
Super plate 15.0 Superplatte 15,0  Galvanised Height: 6 cm Diameter: 12 cm Width-across: 27 mm	0.98	581966000	Plumbing strut 540 IB Justierstütze 540 IB  Galvanised Length: 310.5 - 549.2 cm	30.7	588697000
Universal end-shutter support 30cm Universal-Abschalwinkel 30cm  Galvanised Height: 21 cm	1.0	586232000			
Lashing strap 5.00m 2G Zurrgurt 5,00m 2G  Yellow	2.9	586018500			

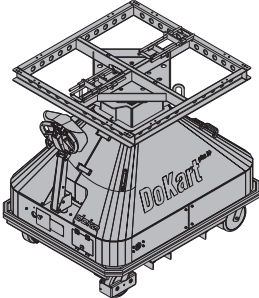
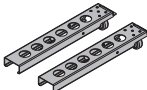
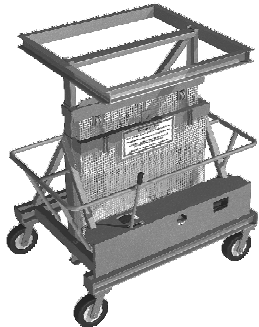
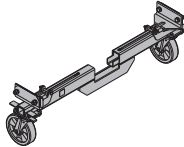
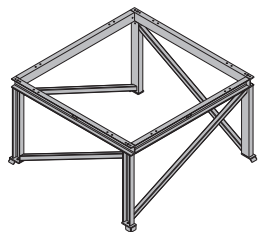
	[kg]	Article N°		[kg]	Article N°
DokaXdek plumbing strut adapter T DokaXdek-Justierstützenadapter T  Galvanised Length: 18.5 cm	3.0	584132000	Handrail post XP 1.20m Geländersteher XP 1,20m  Galvanised Height: 118 cm	4.1	586460000
Prop head EB Stützenkopf EB  Galvanised Length: 40.8 cm Width: 11.8 cm Height: 17.6 cm	3.1	588244500			
Compensating plate Ausgleichsplatte  Black Diameter: 30 cm	1.2	582239000	Handrail post XP 0.60m Geländersteher XP 0,60m  Galvanised Height: 68 cm	5.0	586462000
Framax universal waling 0.60m Framax-Klemmschiene 0,60m  Painted blue	6.6	588689000	Handrail post XP 1.80m Geländersteher XP 1,80m  Galvanised Height: 176 cm	6.0	586482000
DokaXdek table adapter XP DokaXdek-Tischadapter XP  Galvanised Height: 33 cm	4.2	584120000			
DokaXdek screw-on adapter XP T DokaXdek-Schraubadapter XP T  Galvanised Height: 24 cm	1.9	584129000			
Railing clamp XP 40cm Geländerzwinge XP 40cm  Galvanised Height: 73 cm	7.7	586456000	Toeboard holder XP 1.20m Fußwehrhalter XP 1,20m  Galvanised Height: 21 cm	0.64	586461000
Handrail-post shoe XP Geländerschuh XP  Galvanised Length: 20 cm	2.2	586457000	Toeboard holder XP 0.60m Fußwehrhalter XP 0,60m  Galvanised Height: 21 cm	0.77	586463000
Insertion adapter XP Einschubadapter XP  Galvanised Height: 43 cm	4.1	586478000			

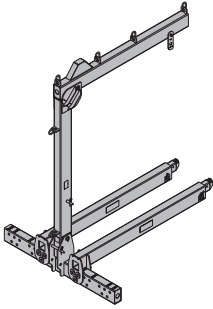
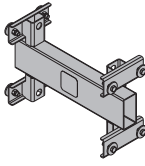
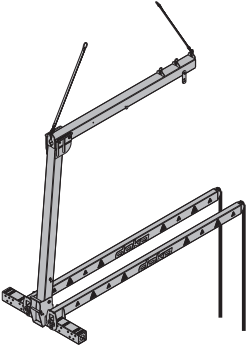
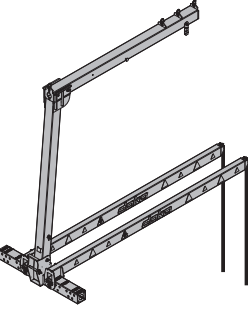
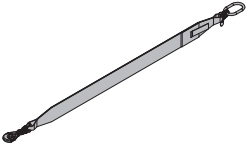
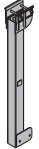
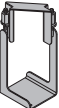
	[kg]	Article N°		[kg]	Article N°
Protective grating XP 2.70x1.20m Protective grating XP 2.50x1.20m Protective grating XP 2.00x1.20m Protective grating XP 1.20x1.20m Schutzgitter XP	22.2 20.5 17.4 12.0	586450000 586451000 586452000 586453000	 Galvanised		
Protective grating XP 2.70x0.60m Protective grating XP 2.50x0.60m Protective grating XP 2.00x0.60m Protective grating XP 1.20x0.60m Schutzgitter XP	10.1 9.5 8.0 5.0	586466000 586472000 586473000 586491000	 Galvanised		
Velcro fastener 30x380mm Klettverschluss 30x380mm	0.02	586470000	 Yellow		
Handrail clamp S Schutzgelenkerzwinge S	11.5	580470000	 Galvanised Height: 123 - 171 cm		
Side handrail clamping unit T Seitenschutzgelenker T	29.1	580488000	 Galvanised Length: 115 - 175 cm Height: 112 cm		
Handrail post 1.10m Schutzgelenker 1,10m	5.5	584384000	 Galvanised Height: 134 cm		
Attachable sleeve 24mm Steckhülse 24mm	0.03	584385000	 PVC PE Grey Length: 16.5 cm Diameter: 2.7 cm		
Screw sleeve 20.0 Schraubhülse 20,0	0.03	584386000	 PP Yellow Length: 20 cm Diameter: 3.1 cm		
Doka floor end-shutter clamp Doka-Deckenabschaltklemme	12.5	586239000	 Galvanised Height: 137 cm		
End-shutter shoe Abschalschuh	1.6	586257000	 Galvanised Height: 13.5 cm		
Dokamatic drop beam plate 60cm Dokamatic-Unterzugsplasche 60cm	21.1	586226000	 Painted blue Height: 68 cm		
DokaXdek drop beam adapter T DokaXdek-Unterzugsadapter T	8.0	584133000	 Galvanised Length: 47 cm Width: 10 cm Height: 17 cm		
Dokamatic prop connection Dokamatic-Stützenanschluss	1.3	586215000	 Galvanised Height: 26 cm		
Spindle strut T7 75/110cm Spindelstrebe T7 75/110cm	13.2	584308000	 Galvanised		

	[kg]	Article N°		[kg]	Article N°
Corner plate FF20 G Ecklasche FF20 G  Painted blue Length: 49 cm Width: 24 cm	7.2	587571000	Framax stripping tool Framax-Ausschalwerkzeug  Galvanised Length: 110 cm	5.5	589235000
Frami universal waling 0.70m Frami-Klemmschiene 0,70m  Painted blue	3.7	588439000	DokaXdek stripping tool DokaXdek-Ausschalwerkzeug  Powder-coated yellow Length: 213 cm	6.7	584019000
Frami wedge clamp Frami-Klemme  Galvanised Length: 16 cm	1.1	588441000	Dokadek stripping tool extension 1.50m Dokadek-Ausschalwerkzeugverlängerung 1,50m  Powder-coated yellow	3.1	586559000
Wheel-around scaffold DF Mobilgerüst DF  Aluminium Length: 185 cm Width: 80 cm Height: 255 cm Delivery condition: separate parts	44.0	586157000	Angular arbor SL-1 Winkeldorn SL-1 	1.4	582867000
Wheel-around scaffold DF accessory set Zubehörset Mobilgerüst DF  Aluminium Timber parts varnished yellow Length: 189 cm	13.3	586164000	Friction type ratchet SW27 Freilaufknarre SW27  Manganese-phosphated Length: 30 cm	0.49	581855000
Platform stairway 0.97m Podesttreppe 0,97m  Aluminium Width: 121 cm Pay attention to the national, technical safety regulations!	23.5	586555000	Box spanner 27 0.65m Steckschlüssel 27 0,65m  Galvanised	1.9	581854000
Plastic mallet 4kg Kunststoffhammer 4kg  Blue Length: 110 cm	4.5	586097000	FreeFalcon		
Universal dismantling tool Universal-Lösewerkzeug  Galvanised Length: 75.5 cm	3.6	582768000	FreeFalcon FreeFalcon  Red Length: 225 cm Width: 208 cm Height: 235 cm Follow the directions in the "Operating Instructions"!	450.0	583034000
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	[kg]	Article N°		[kg]	Article N°
Mast cover FreeFalcon Abdeckung Mast FreeFalcon  Red	3.8	583027000	DokaXlight pallet 1.00m DokaXlight-Palette 1,00m  Galvanised Length: 118 cm Width: 100 cm Height: 114 cm	64.0	589135000
Base-plate cover FreeFalcon Abdeckung Sockelplatte FreeFalcon  Red	3.2	583026000	Dokamatic table-frame pallet 2.15x1.60m Dokamatic-Tischrahmenpalette 2,15x1,60m Galvanised 	85.0	586225000
Safety harness FreeFalcon Auffanggurt FreeFalcon  Follow the directions in the "Operating Instructions"!	1.5	583036000	Doka skeleton transport box 1.70x0.80m Doka-Gitterbox 1,70x0,80m  Galvanised Height: 113 cm	87.0	583012000
Fall arrester FreeFalcon 6.00m Fall arrester FreeFalcon 9.00m Höhensicherungsgerät FreeFalcon 	3.3 3.8	583039000 583035000	Doka multi-trip transport box 1.20x0.80m Doka-Mehrwegcontainer 1,20x0,80m  Galvanised Height: 78 cm	70.0	583011000
Case for safety accessories FreeFalcon Koffer Sicherheitszubehör FreeFalcon 	1.5	583037000	Multi-trip transport box partition 0.80m Multi-trip transport box partition 1.20m Mehrwegcontainer Unterteilung  Steel parts galvanised Timber parts varnished yellow	3.7 5.5	583018000 583017000
Multi-trip packaging					
Frami pallet 1.50m Frami-Palette 1,50m  Galvanised Length: 168 cm Width: 100 cm Height: 114 cm	69.0	588476000	Doka multi-trip transport box 1.20x0.80x0.41m Doka-Mehrwegcontainer 1,20x0,80x0,41m Galvanised 	42.5	583009000

	[kg]	Article N°
Doka stacking pallet 1.55x0.85m Doka-Stapelpalette 1,55x0,85m  Galvanised Height: 77 cm	41.0	586151000
Doka stacking pallet 1.20x0.80m Doka-Stapelpalette 1,20x0,80m  Galvanised Height: 77 cm	38.0	583016000
Doka accessory box Doka-Kleinteilebox  Timber parts varnished yellow Steel parts galvanised Length: 154 cm Width: 83 cm Height: 77 cm	106.4	583010000
Universal castor wheel for transport pallet Universal-Lenkrolle Transportgebinde  Galvanised Height: 28.8 cm	6.0	584043000
Bolt-on castor set B Anklemm-Radsatz B  Painted blue	33.6	586168000

Shifting appliances for tables		[kg]	Article N°
DoKart plus DoKart plus included in scope of supply: (A) Brace stirrup 8 4 pcs. Galvanised Width: 19 cm Height: 46 cm Width-across: 30 mm  Yellow Length: 172 cm Width: 132 cm Height: 154 - 327 cm Follow the directions in the "Operating Instructions"!	1448.0	586265500	CE
(A) Brace stirrup 8 4 pcs. Galvanised Width: 19 cm Height: 46 cm Width-across: 30 mm	2.7	582751000	
Extension set for DoKart plus Auslegersatz DoKart plus  Galvanised Length: 120 cm Follow the directions in the "Operating Instructions"!	50.0	586266500	
Shifting trolley DF Umsetzwagen DF included in scope of supply: (A) Positioning lever for shifting trolley DF (B) Brace stirrup 8 4 pcs. Galvanised Width: 19 cm Height: 46 cm Width-across: 30 mm  Galvanised Length: 181 cm Width: 130 cm Height: 154 - 303 cm Follow the directions in the "Operating Instructions"!	566.0	586080000	CE
(A) Positioning lever for shifting trolley DF (B) Brace stirrup 8 4 pcs. Galvanised Width: 19 cm Height: 46 cm Width-across: 30 mm	6.0 2.7	586063000 582751000	
Extension for shifting trolley DF Ausleger für Umsetzwagen DF  Galvanised Length: 128.4 cm Follow the directions in the "Operating Instructions"!	40.0	586015000	
Stacking frame DF Aufsatzrahmen DF  Galvanised Length: 134 cm Width: 130 cm Height: 75 cm	82.0	586079000	

	[kg]	Article N°		[kg]	Article N°
Transport fork 1.3t adjustable Umsetzgabel 1,3t verstellbar  Galvanised Delivery condition: folded closed Follow the directions in the "Operating Instructions"!	718.0	586234000	Extension profile H20 for fork Aufsatzprofil H20 für Gabel  Galvanised Length: 83 cm Height: 52 cm	34.1	586237000
Transport fork DM 1.5t adjustable Umsetzgabel DM 1,5t verstellbar  Galvanised Delivery condition: folded closed Follow the directions in the "Operating Instructions"!	1134.0	586233000	Dokamatic lifting strap 13.00m Dokamatic-Umsetzgurt 13,00m  Green Follow the directions in the "Operating Instructions"!	10.5	586231000
Transport fork DM 2.5t adjustable Umsetzgabel DM 2,5t verstellbar  Galvanised Delivery condition: folded closed Follow the directions in the "Operating Instructions"!	1134.0	586259000	Framax transport bolt Framax-Transportbolzen  Follow the directions in the "Operating Instructions"!	1.9	588621000
Lifting sling for transport fork DM 2.5t Hebeband Umsetzgabel DM 2,5t  Grey Length: 220 cm Width: 12 cm Follow the directions in the "Operating Instructions"!	6.6	586261000	Frami transport hook Frami-Transporthaken  Galvanised Length: 17.5 cm Follow the directions in the "Operating Instructions"!	0.56	588494000
Vertical extension DM 3.30m Vertikalverlängerung DM 3,30m  Galvanised Height: 352 cm	240.0	586235000			
Extension clamp H20 for fork Aufsatzklemme H20 für Gabel  Galvanised Height: 45 cm	4.5	586236000			



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