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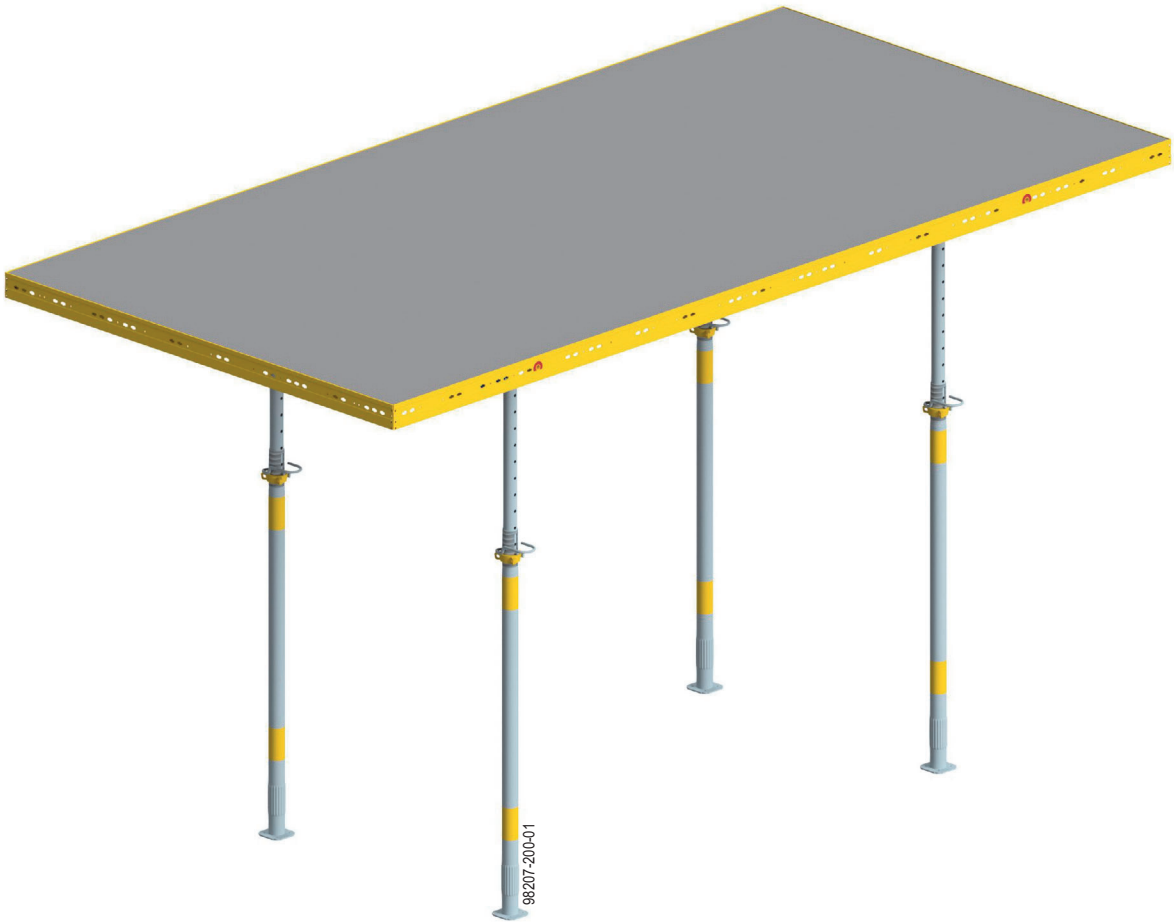
Formwork & Scaffolding.
We make it work.

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 formwork 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 formwork (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 sideguard component and/or any of its accessories, the component affected may only continue in use after it has been inspected and passed by an expert.

Rules applying during all phases of the assignment

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

Assembly

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

Closing the formwork

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

Pouring

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

Stripping the formwork

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

Transporting, stacking and storing

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

Maintenance

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

Miscellaneous

The weights as stated are averages for new material; actual weights can differ, depending on material tolerances. Dirt accretions, moisture saturation, etc. can also affect weight.
We reserve the right to make alterations in the interests of technical progress.

Eurocodes at Doka

The permissible values stated in Doka documents (e.g. F_{perm} = 70 kN) **are not design values** (e.g. F_{Rd} = 105 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:

- γ_F = 1.5
- $\gamma_{M,\ timber}$ = 1.3
- $\gamma_{M,\ steel}$ = 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

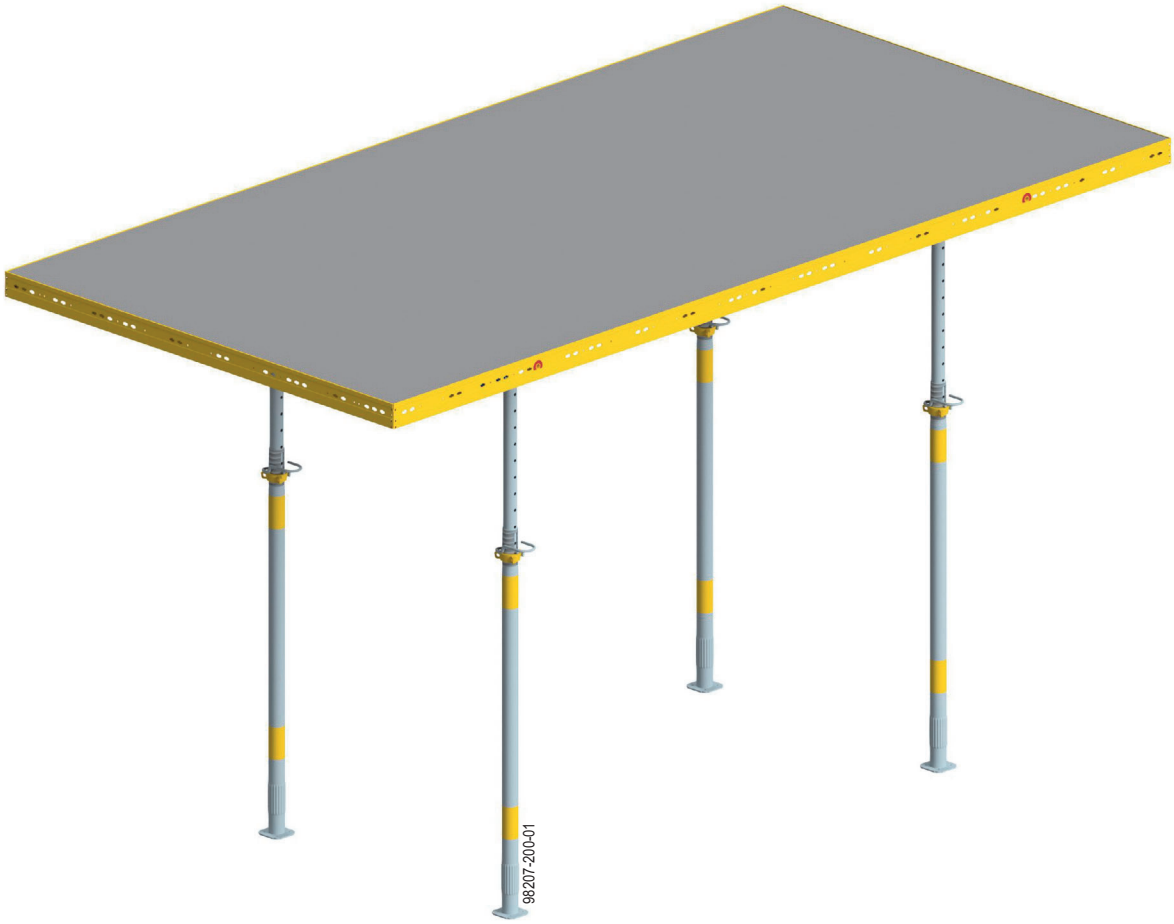
DokaXdek table is a formwork system for the production of slabs in cast-in-place concrete construction. DokaXdek table is designed for setting up formwork using a crane and industrial truck.

Boundary conditions for use:

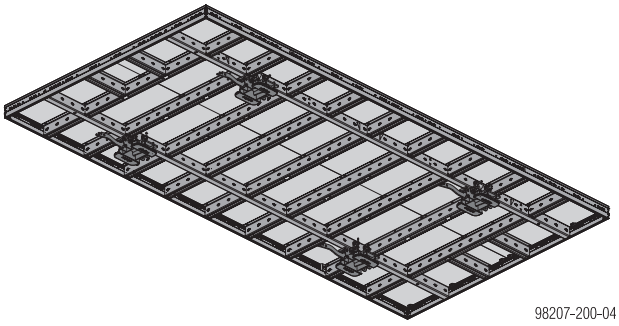
- Max. slab thickness: 108 cm
- Max. room height: 7.15 m

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



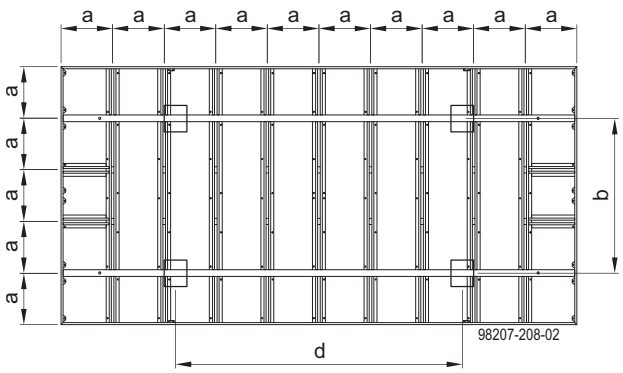
The logical system grid allows any combination of DokaXdek tables in the longitudinal and transverse directions.

As-delivered condition variants:

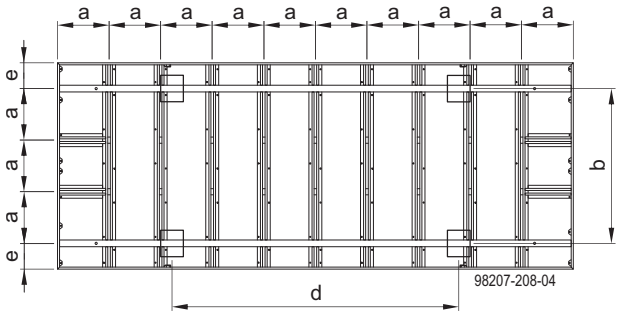
- **Including** 4 pre-installed DokaXdek swivel heads and 8 Safety pins D20 195
  (e.g. DokaXdek table 2.50x5.00m)
- **Excluding** DokaXdek swivel heads and Safety pins D20 195
  (e.g. DokaXdek table 2.50x5.00m **ES**)

System dimensions

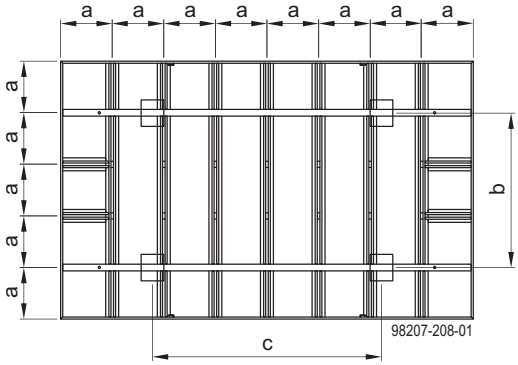
DokaXdek table 2.50x5.00m



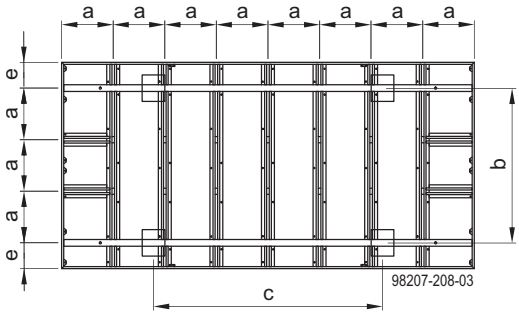
DokaXdek table 2.00x5.00m



DokaXdek table 2.50x4.00m



DokaXdek table 2.00x4.00m



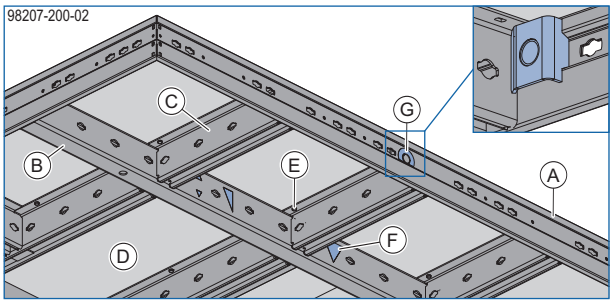
a ... 50 cm
b ... 150 cm
c ... 225 cm
d ... 275 cm
e ... 25 cm

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!



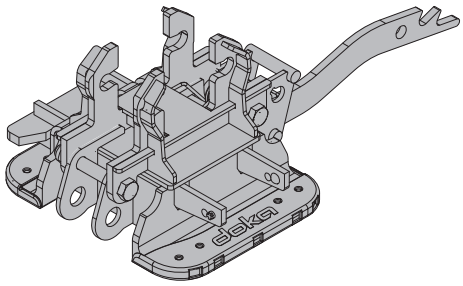
A	Frame profile
B	Primary profile
C	Function profile
D	Xlife sheet 18mm
E	Bolt
F	Triangular markings
G	Lifting point for transport bolt (close-up view from inside)

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

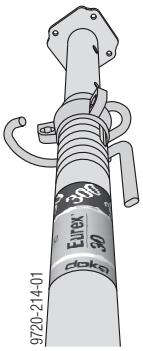
DokaXdek swivel head



- Easy installation on the DokaXdek primary profile or function profile with 2 safety pins (not included with product).
- 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 the section headed DokaXdek prop connection T).

Floor props Eurex 30 top and Eurex 30 eco

EN 1065-compliant floor prop



Their high load-bearing capacity is complemented by many practical details making them very easy to handle:

- Numbered pegging holes for height adjustment.
- Elbowed fastening clamps, reducing the risk of injury and making the props easier to operate.
- Special thread geometry makes the floor prop easier to back off even under high load.

- The flexurally rigid connection with the swivel head at the primary profile increases the permitted load-bearing capacity of the floor props Eurex 30 top and Eurex 30 eco to 41.2 kN.
- The connection with the swivel head at the function profile reduces the permitted load-bearing capacity to 22 kN.

Follow the directions in the 'Floor props Eurex top' and 'Floor props Eurex eco' User Information booklets.

NOTICE

The values stated in the section headed Structural design are based on use with Floor props Eurex 30 top and Eurex 30 eco. A separate static verification is required for other prop types.

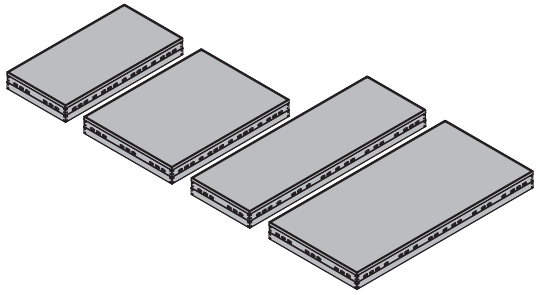
WARNING

- ➤ The use of Floor props Eurex 20 top 700 in Doka tableforms is **not permitted**.
- ➤ 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!
- ➤ 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:

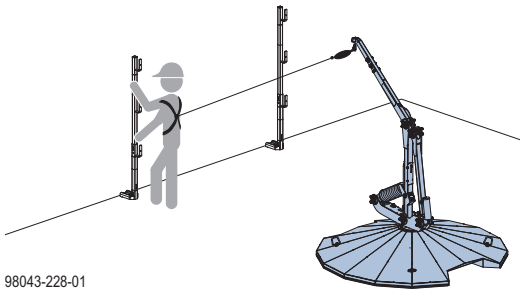
All necessary traffic routes must be prepared at the site!

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 anchorage 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.



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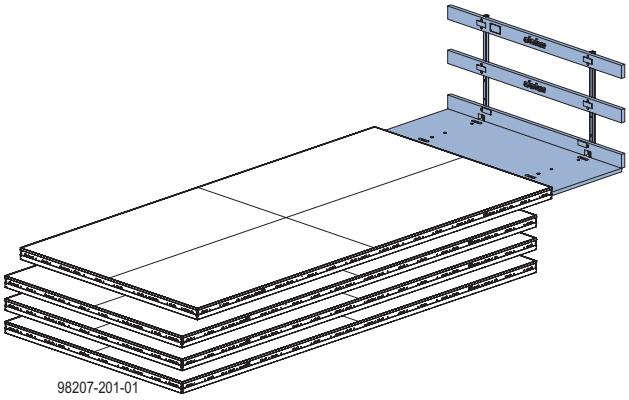
User instruction prior to use of the FreeFalcon is mandatory.
Follow the directions in the 'FreeFalcon' Operating Instructions.

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 DokaXdek 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).



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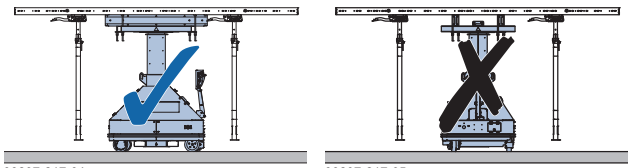
Closing the formwork

WARNING

Risk of tipping over!

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

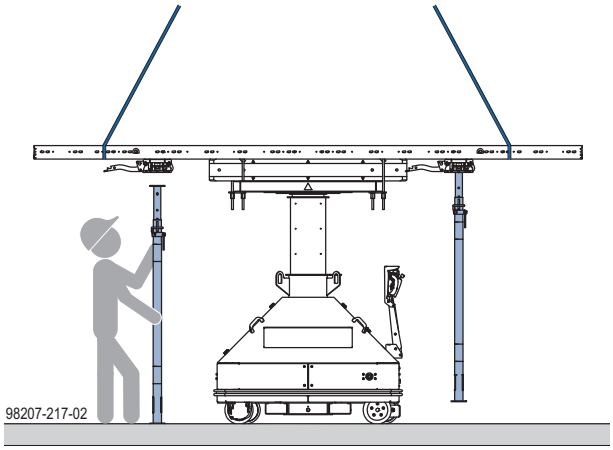
The distribution beams on the DoKart run parallel with the long side of the table.



➤ 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 Transforting, 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).

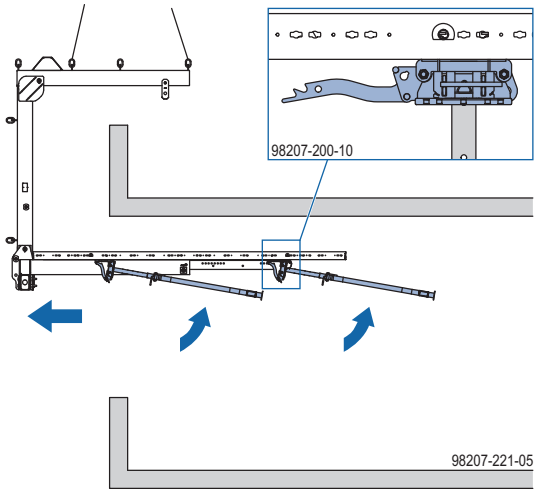
➤ Install floor props (see the section headed Installing the floor props).



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.

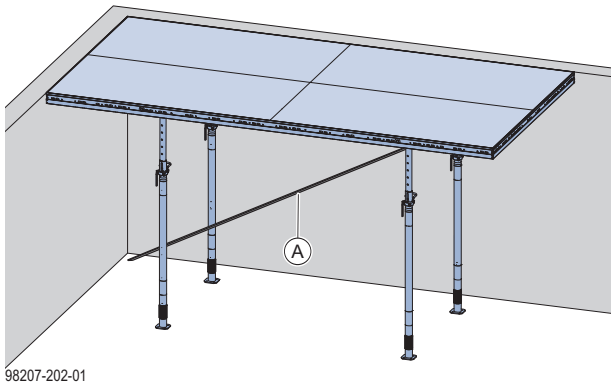
➤ Line and level the DokaXdek tables (see the section headed Lining-and-levelling the DokaXdek tables).

CAUTION

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

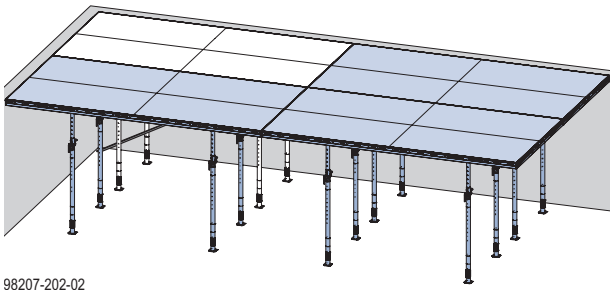
➤ Before setting down the table, make sure that all the floor props are extended to the same length.

➤ 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).



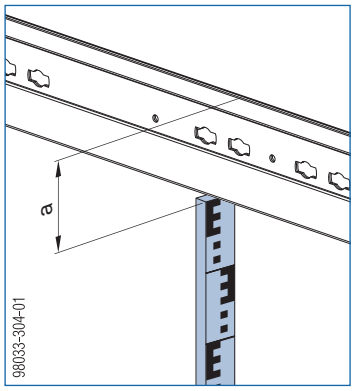
A Lashing strap 5.00m

➤ 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

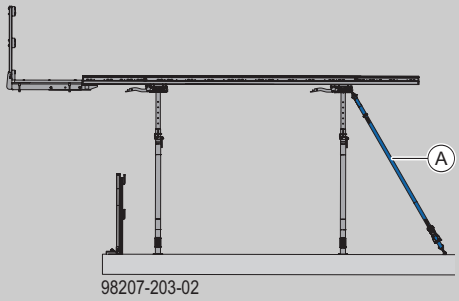
CAUTION

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.

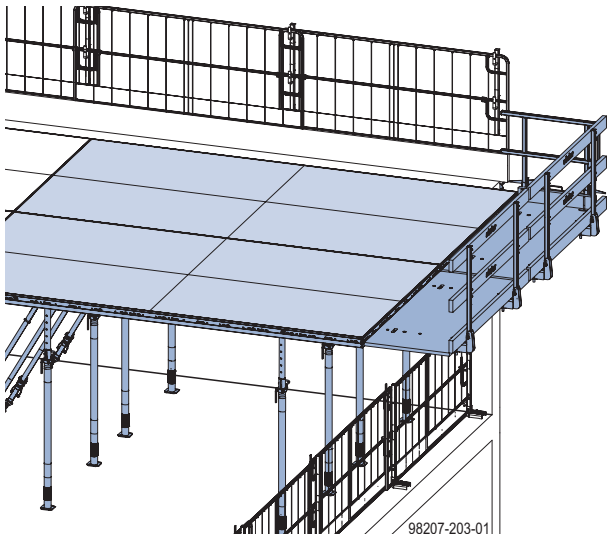
➤ Applies also when tables are set down and put into temporary storage.



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.

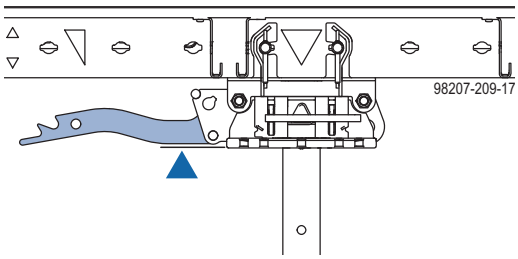
Pouring

➤ 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.

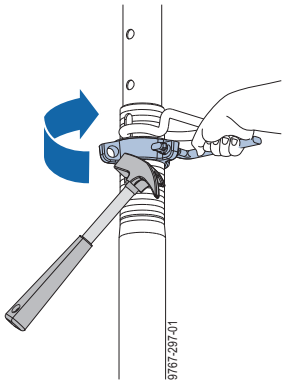
Concremote provides reliable, standards-compliant information on the strength development of concrete on the site, in real-time.

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

➤ Check the concrete strength.

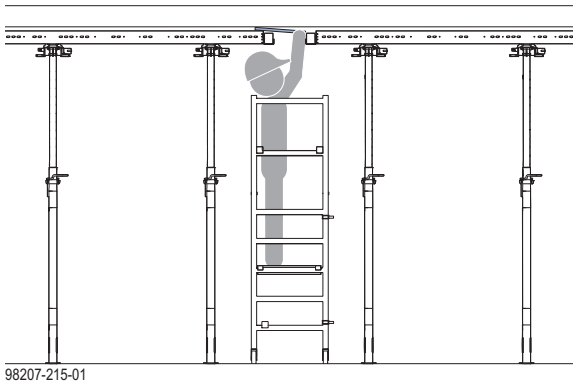
➤ Undo the connectors to the adjacent tables.

➤ 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.

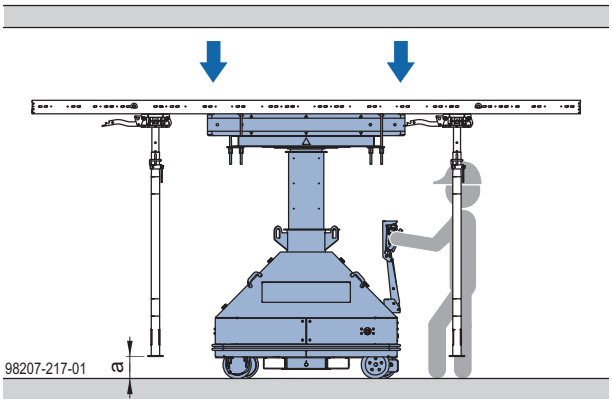
➤ Remove the closures (see the section headed Adapting to the layout).



➤ 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).



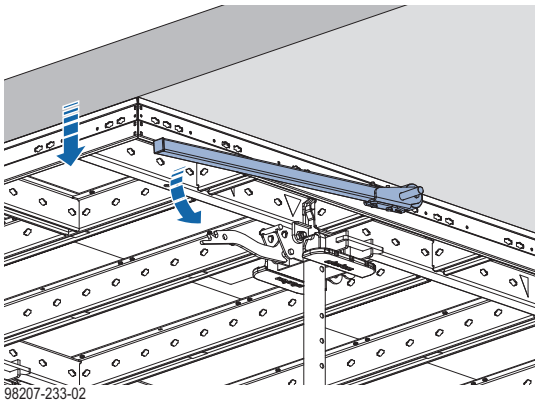
a ... max. 10 cm

➤ Reposition the table (see the section headed Repositioning).

Tools for stripping the formwork

The **Framax stripping tool** is for detaching a table from the hardened concrete.

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



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.

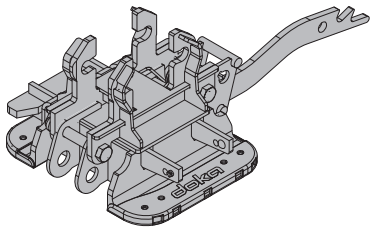
➤ Before pouring the next floor-slab (i.e. above the one that has just been stripped), put up reshoring props.

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 (see the section headedDokaXdek prop connection T).

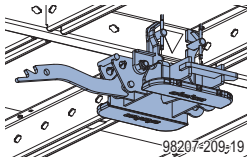
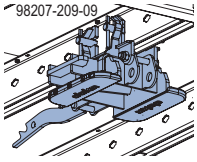
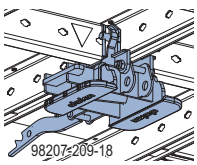
DokaXdek swivel head



WARNING

Reduced load-bearing capacity when swivel head is installed on the function profile!

- ➤ The values shown in the section headed Structural design are only valid when the swivel head is installed on the primary profile.
- ➤ Revised static verification is required.

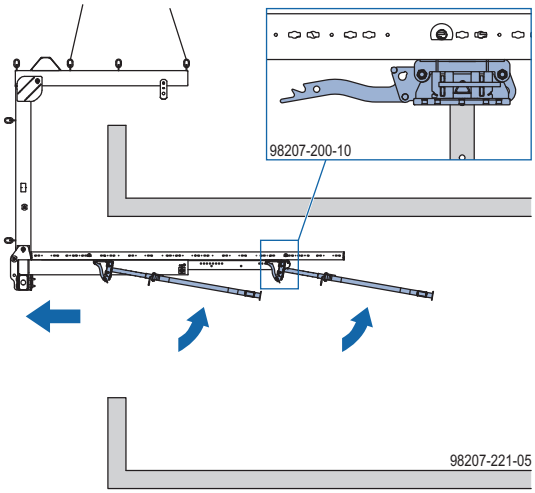
Installation	Perm. reaction load [kN]	Example
on primary profile	41.2	 98207-209-19
on function profile	22.0	98207-209-09 
on the primary profile or function profile at the node	41.2	 98207-209-18

Assembly

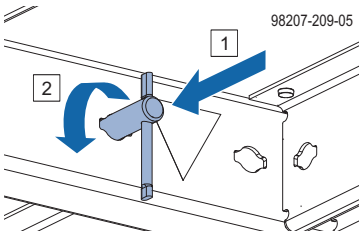
The swivel head is attached to the table with 2 x Safety pin D20 195 (not included in scope of supply).

NOTICE

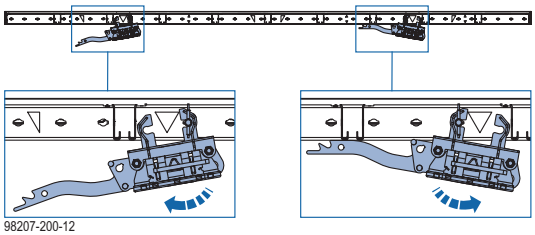
- ➤ Mount all the swivel heads on each table so that they point in the same direction.
- ➤ Always set up the tables so that the swivel head latch points towards the edges of the floor-slabs (in the direction in which the tables will later be removed).



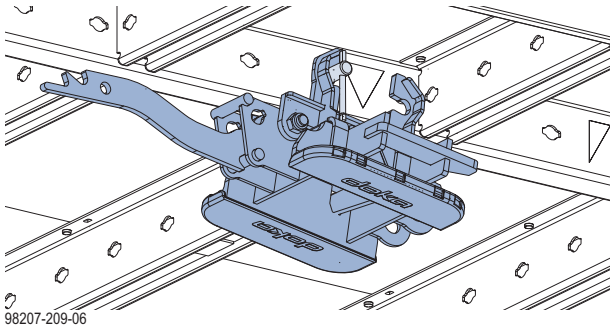
- ➤ Insert the first safety pin into the primary profile or function profile and turn by 90°. This activates the anti-dropout lock between the cross holes.



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.



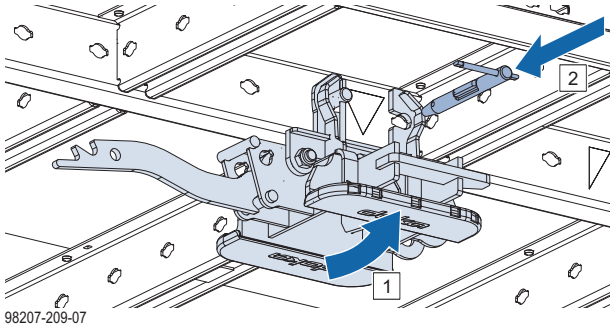
➤ Hook DokaXdek swivel head into place.


98207-209-06

NOTICE

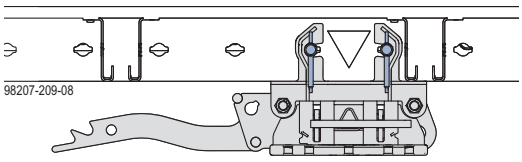
➤ When installing the swivel head on the primary profile or function profile at the node: Raise the swivel head to the desired position and secure with 2 safety pins (2 people required).

➤ 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°.



98207-209-07

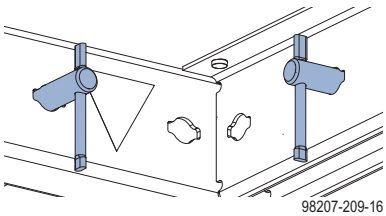
Check that the toggle bar on the safety pin is hanging down in the vertical position.


98207-209-08

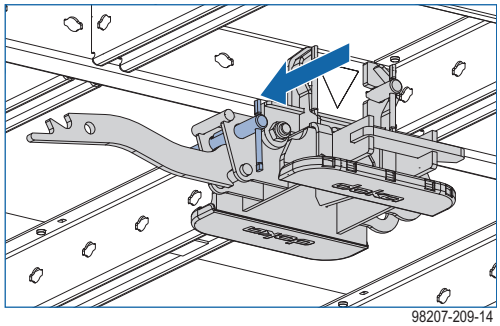
➤ Install the floor prop (see the section headed Installing the floor props).

Note:

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


98207-209-16

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


98207-209-14

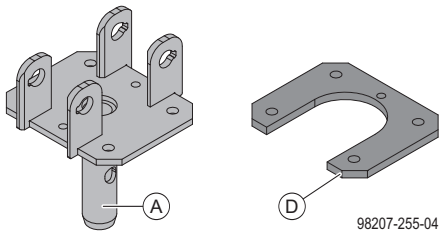
DokaXdek prop connection T

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.

NOTICE

- The Prop connection T has no swivel function.
- Tables with installed Prop connections T cannot be stacked directly on top of each other.



98207-255-04

A DokaXdek prop connection T

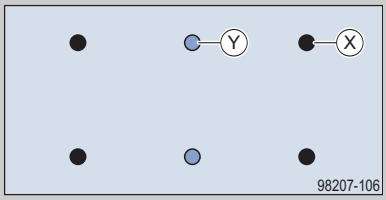
D DokaXdek prop-connection plate T

WARNING

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

➤ The values shown in the section headed Structural design are not valid in these cases. Revised static verification is required.

➤ 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. For intermediate props **(Y)** , the Prop connections T can be installed without Prop-connection plates T.



98207-106

Installation of the Prop connection T	Perm. reaction load [kN]	
	with Prop-connection plate T	**without** Prop-connection plate T
on primary profile	41.2	30.0[1)]
on function profile	22.0	22.0
at the node of primary profile and function profile	41.2	30.0[1)]

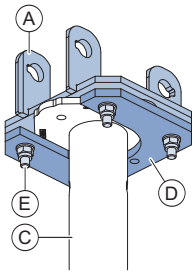
[1)] The values only apply when using Doka floor props Eurex 30 top and Eurex 30 eco and may be higher, depending on the extension length. See the section headed 'Used as free (non-system-dependent) construction prop' in the User Information booklets 'Floor prop Eurex top' and 'Floor prop Eurex eco'.

Assembly

with Prop-connection plate T

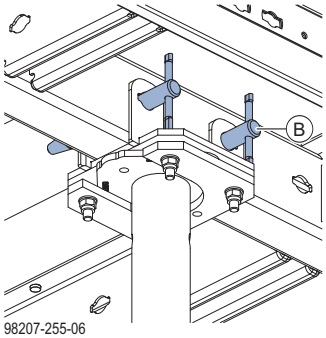
The Prop connection T and the Prop-connection plate T are pre-installed on the floor prop on the floor.

- ➤ 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).



98207-255-05

- ➤ 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.



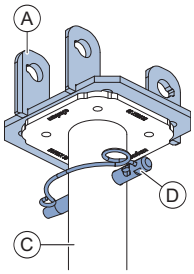
98207-255-06

A	DokaXdek prop connection T
B	Safety pin D20 195
C	Doka floor prop Eurex 30 top or Eurex 30 eco
D	DokaXdek prop-connection plate T
E	Bolting items (not included in the scope of supply): 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

without Prop-connection plate T

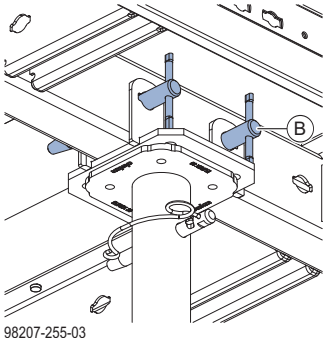
The Prop connection T is pre-installed on the floor prop on the floor.

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



98207-255-02

- ➤ 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.

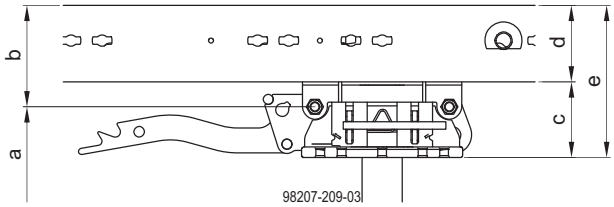


98207-255-03

A	DokaXdek prop connection T
B	Safety pin D20 195
C	Doka floor prop Eurex 30 top or Eurex 30 eco
D	Spring locked connecting pin 16mm

Installing the floor props

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 of the Eurex 30 top and Eurex 30 eco:

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

Installation:

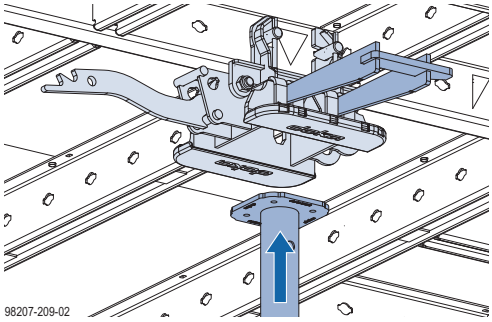
➤ Use Dokamatic lifting strap 13.00m to lift the table superstructure onto the DoKart plus, or onto a suitable temporary reshore (see the section headed Transporting, stacking and storing).

NOTICE

➤ Set up the floor props with the holes at right angles to the swivel direction.

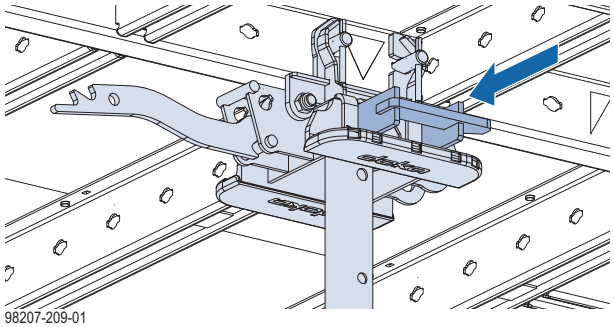
➤ Having the outer tube at the top increases stability.

➤ 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.

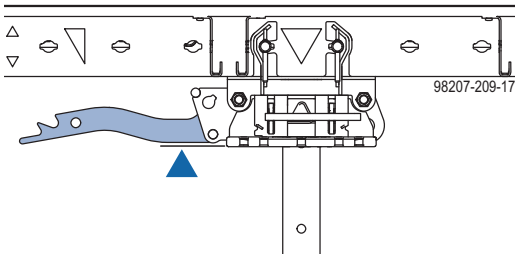
➤ Hammer in the wedge until the hammer rebounds.



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.
- 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.

➤ Use only moderate force when striking with the Plastic mallet 4kg. Max. mallet backswing distance 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

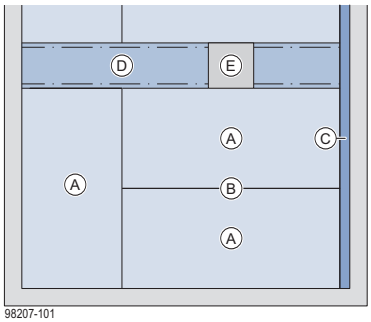
Adapting to the layout

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

- **Typical zone:**
  - Combining different sizes of table
  - 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!



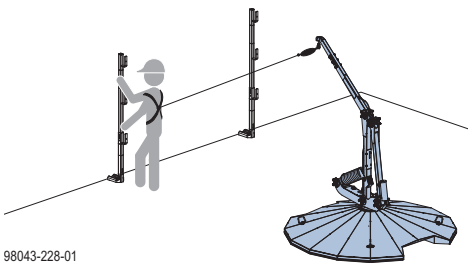
A	DokaXdek table
B	Typical zone (2 tables positioned directly beside each other)
C	Closure zone at wall
D	Closure zone between the tables
E	Column

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.



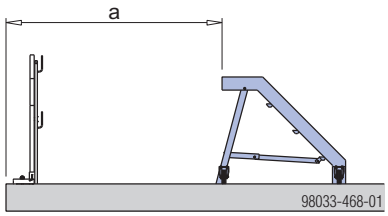
Practical example

Platform stairway 0.97m

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

NOTICE

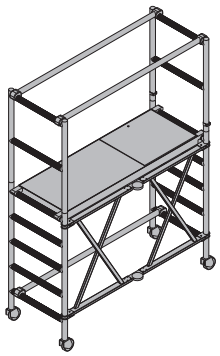
Minimum distance **a** from drop-off edge: 2.00 m



Permissible load-bearing capacity: 150 kg

Follow all country-specific regulations!

Wheel-around scaffold DF



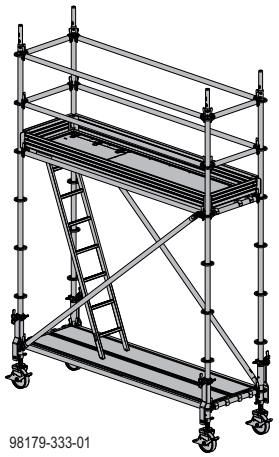
- Collapsible wheel-around platform made of light alloy.
- Variable working heights of up to 3.50 m (max. platform height 1.50 m)
- Width of scaffold: 0.75 m

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


98179-333-01

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

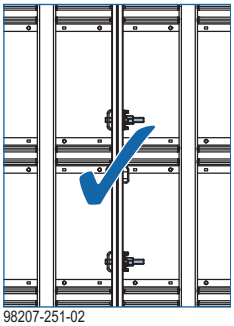
Follow the directions in the User Information booklet!

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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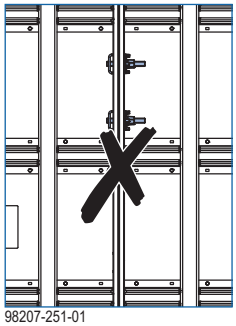

98207-251-01

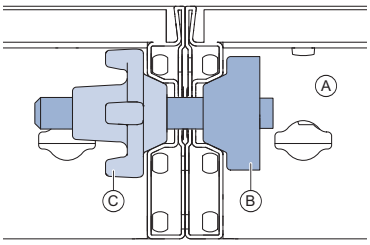
Interconnecting tables:

➤ 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

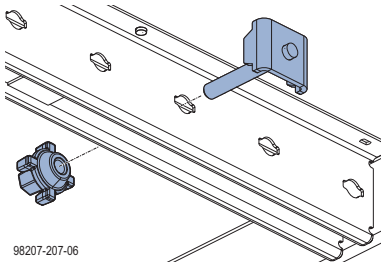
A	DokaXdek table
B	Centring connector 15.0
C	Centring nut 15.0

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 fillers 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 closures for setting up and stripping out the formwork (for design variants, see the following sections and Structural design).

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

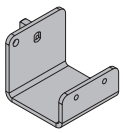
WARNING

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.

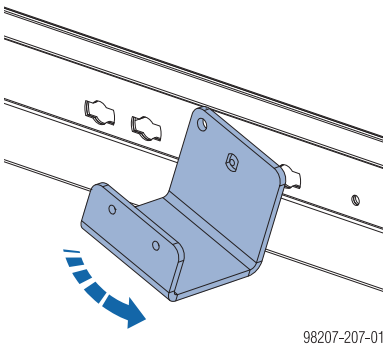
DokaXdek squared timber support 8x10cm



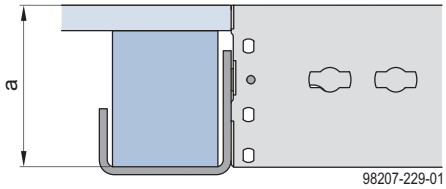
Accommodates a length of squared timber to support a fitting board for form-ply thicknesses 18, 21 and 27 mm.

Installation:

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



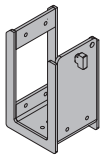
➤ Adapt the squared timber to the form-ply thickness and insert it into the squared timber support.
In wet conditions, allow for swelling of the squared timber!



a ... 12.3 cm

➤ Place fitting boards of variable width between adjacent tables.

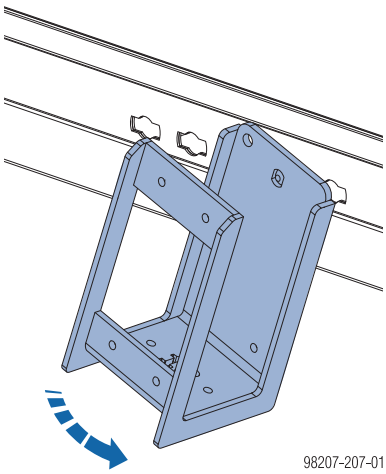
DokaXdek beam support H20 18mm, 21mm and 27mm



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

Installation:

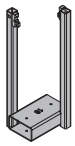
➤ Engage the beam support in a cross hole in the frame profile and turn it to the vertical position.



➤ Lay a Doka beam H20 in the beam support.

➤ Place fitting boards of variable width between adjacent tables.

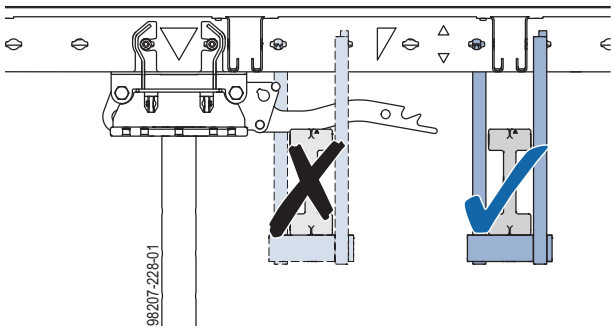
DokaXdek suspension clamp T 18mm, 21mm and 27mm



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

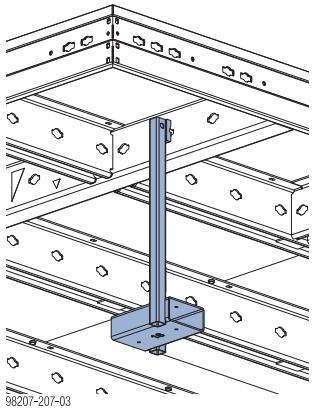
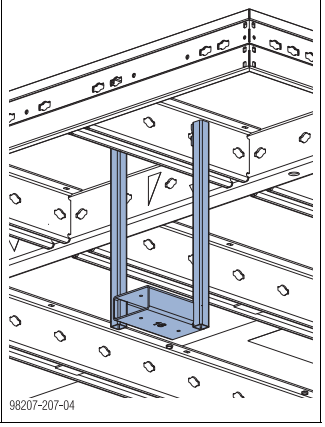
WARNING

➤ 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.

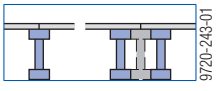
in primary profile	in function profile
	

➤ Fit Doka beams H20 into the suspension clamps.

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

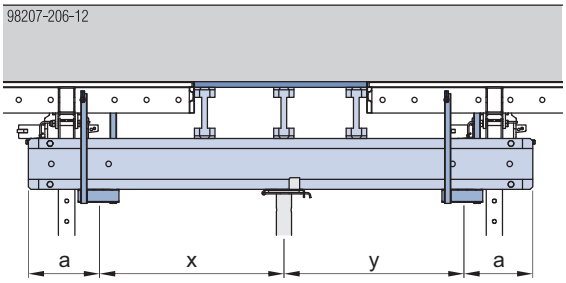
➤ Insert further Doka beams H20 to support the fitting boards.

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

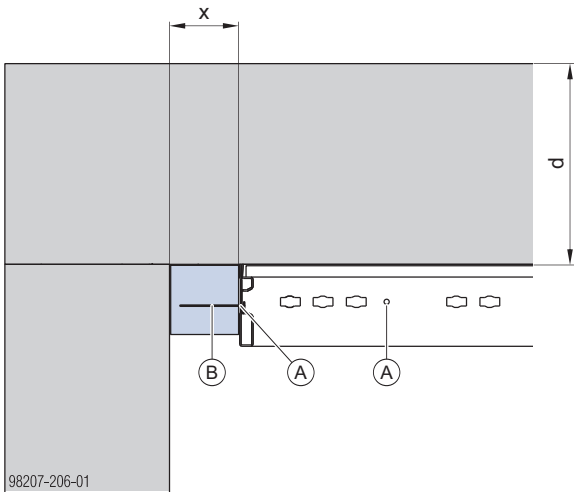
- Put up the intermediate props so that they force-fit. When the installation sequence as stated here is adhered to, it is enough to hand-tighten the props against the bottom flange.
- Make sure that the Supporting head H20 DF is correctly screwed up against the bottom flange.
- Setting individual intermediate 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.

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.

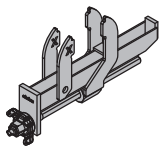
- Max. closure width 'x': 10 cm
- Max. slab thickness ‘d’: 40 cm



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:

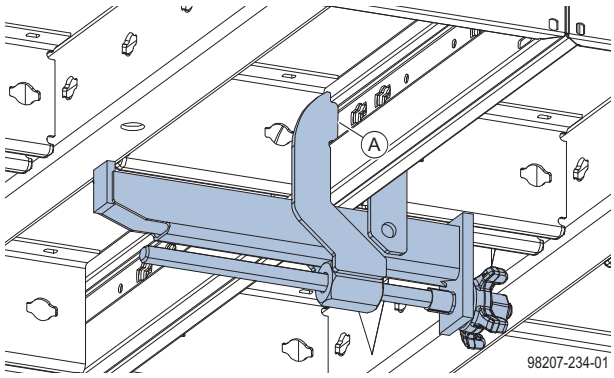
WARNING

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

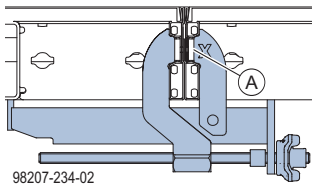
➤ Always tighten the star grip nut with a blow of a hammer or by using some other suitable tool.

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	✓	—

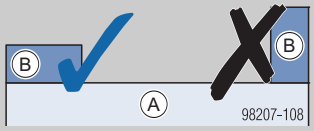
For details, see the following sections

Note:

See the section headed Repositioning tables with table panels installed:!

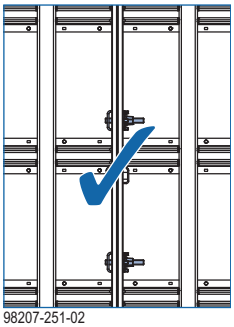
WARNING

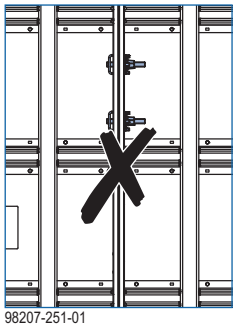
➤ Install table panels **(B)** only with the long side on the table **(A)** .



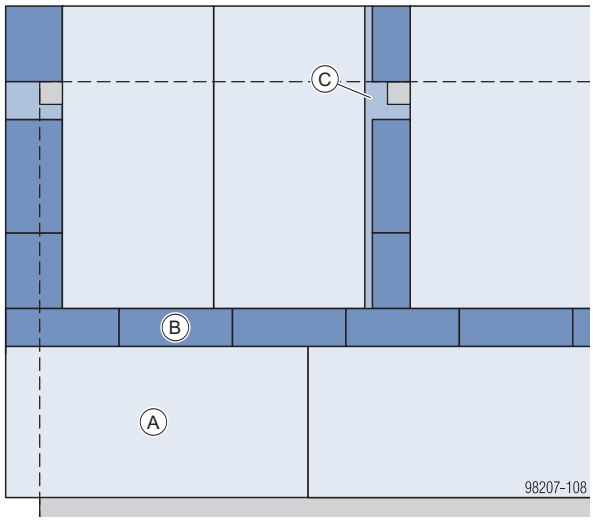
Permitted tensile force and shear force: 10 kN (max. 1 connector per field)
Permitted moment: 0.33 kNm

Max. 1 connector per field


98207-251-02


98207-251-01

Practical example

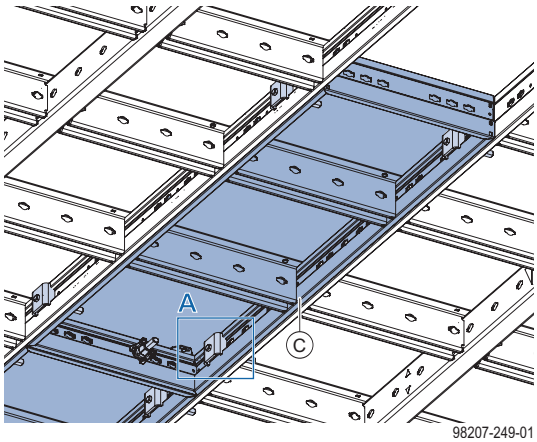


Schematic

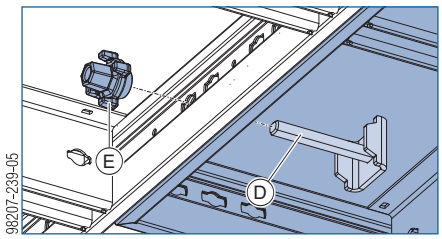
A DokaXdek table
B DokaXdek table panel
C Closure zone, e.g. with squared timber supports

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

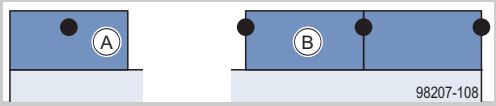
with DokaXdek platform adapter T

WARNING
Cantilevering table panels at the edge table

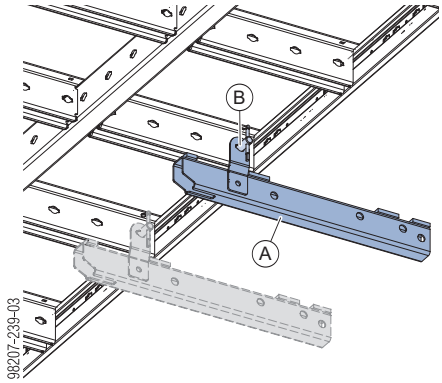
- ➤ Do not step onto table panels until they are resting on Platform adapters T.
- ➤ When introducing concreting loads, provide additional propping for the table panels.
- ➤ Install props either at the Platform adapter T or directly at the table panel.

WARNING
Prop the table panels directly at the table panel:

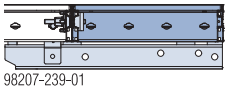
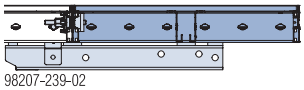
- ➤ Prop individual table panels **(A)** in the centre.
- ➤ Prop table gang-forms **(B)** at the outer frame profiles and at each panel joint.



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



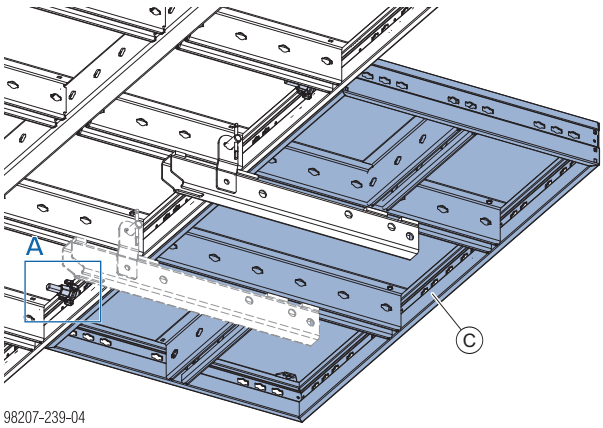
Correct position of the Platform adapter T

For table panel width 0.50m	For table panel width 0.75m
 98207-239-01	 98207-239-02

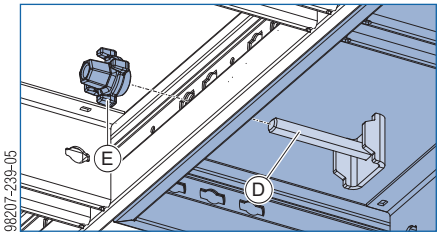
Always position Platform adapter T underneath a profile on the 0.75x1.50m table panel.

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.

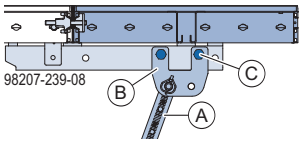
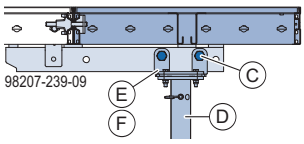


Close-up A

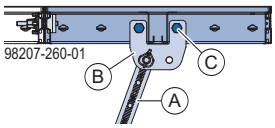
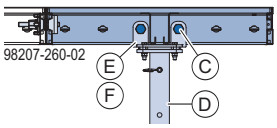


A	DokaXdek platform adapter T
B	Safety pin D20 195
C	DokaXdek table panel
D	Centring connector 15.0
E	Centring nut 15.0

Propping table panels at the Platform adapter T

with plumbing strut	with floor prop
 98207-239-08	 98207-239-09

Propping table panels directly at the table panel

with plumbing strut	with floor prop
 98207-260-01	 98207-260-02

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 Eurex
E	DokaXdek prop connection T
F	DokaXdek prop-connection plate T

with DokaXdek universal waling T 2.30m

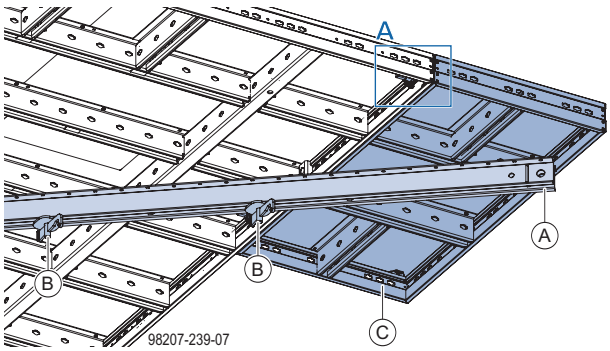
WARNING
Cantilevering table panels at the edge table
➤ Do not step onto table panels until they are resting on Universal waling T.

NOTICE
➤ Do not oil or grease wedge-clamped joints.

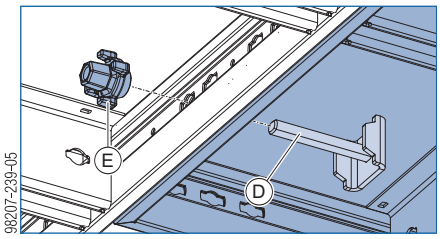
➤ Secure Universal waling T to the primary profile or function profile of the DokaXdek table with 2 wedge clamps.

DokaXdek universal waling T 2.30m:
- Permitted tensile force (in function profile): 14 kN
- Permitted moment: 6 kNm (on account of the permitted 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



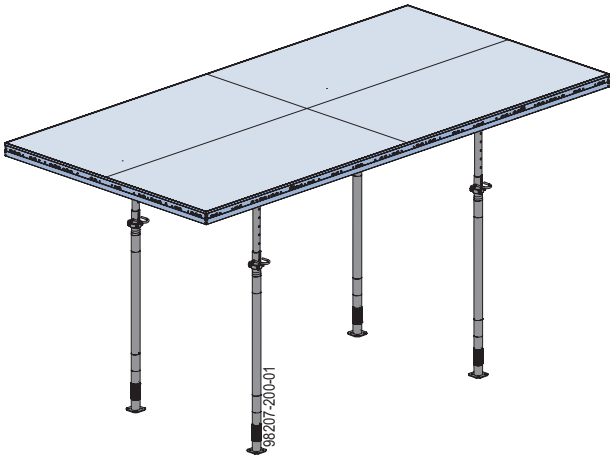
A	DokaXdek universal waling T 2.30m
B	Framax wedge clamp
C	DokaXdek table panel
D	Centring connector 15.0
E	Centring nut 15.0

Adapting to different heights

Room heights up to 5.65 m (standard tables)

Table set-up

Propping of the tables	Table connection
▪ Floor props Eurex 30 top or Eurex 30 eco	▪ DokaXdek swivel head or DokaXdek prop connection T



Room heights up to 7.15 m

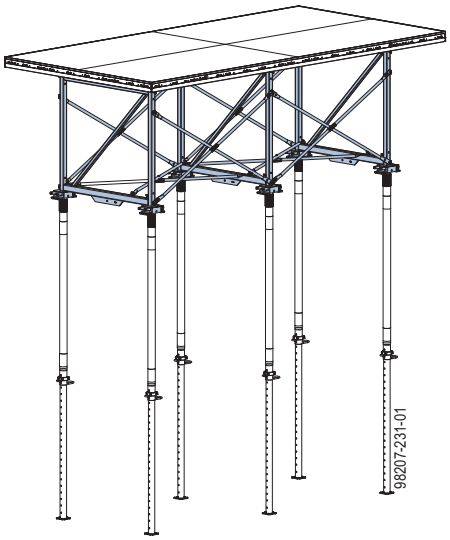
Table set-up

Propping of the tables	Table connection
▪ Floor props Eurex 30 top or Eurex 30 eco ▪ Table frame 1.50m	▪ DokaXdek scaffold connector T or DokaXdek swivel head

Table frame 1.50m:

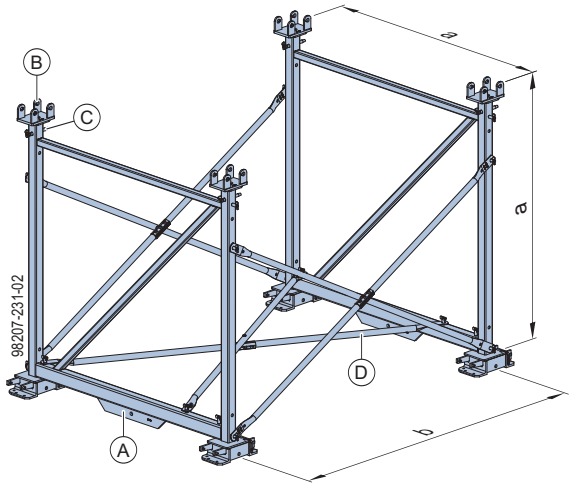
- Quickly adds 1.50 m to the height, for room heights of up to 7.15 m.
- Floor prop connection is the same as that for the DokaXdek swivel head.
- Integral latch-type pegs for connecting **diagonal crosses** from the Doka load-bearing tower system Staxo.
- Centring plates for correct positioning of the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

The flexurally rigid connection to the superstructure increases the load-bearing capacity of the Floor props Eurex 30 top and Eurex 30 eco to 41.2 kN.



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 permitted slab thicknesses[1] [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
Floor prop Eurex 30 top or Eurex 30 eco	4	6	8	4	6	8
Safety pin D20 195	8	12	16	8	12	16

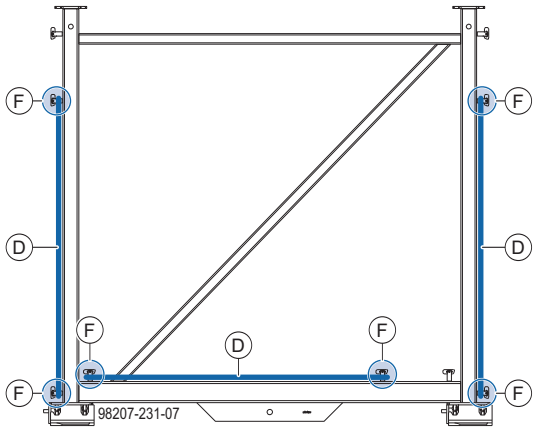
[1] in accordance with line 6, DIN 18202; values are bolded in table

[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.

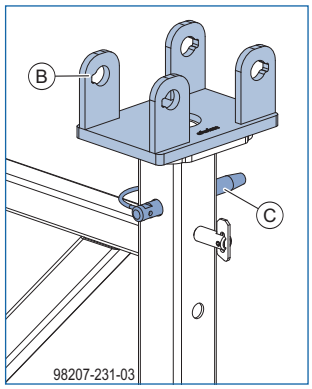
➤ Install diagonal crosses in both the vertical and the horizontal, and secure each diagonal cross with the safety catch as soon as it has been slotted on to the latch-type peg marked in the illustration.



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

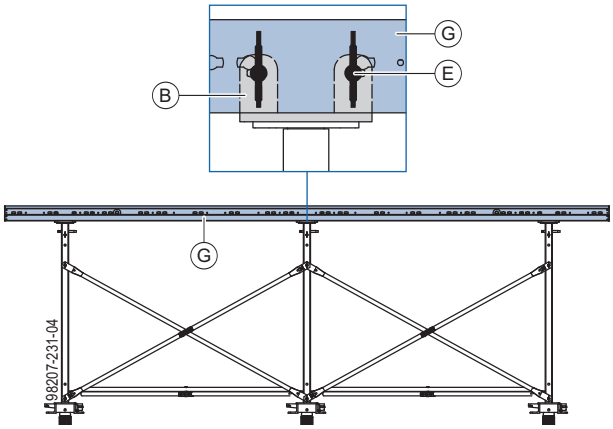


B DokaXdek scaffold connector T
C Spring locked connecting pin 16mm

Attaching the superstructure:

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

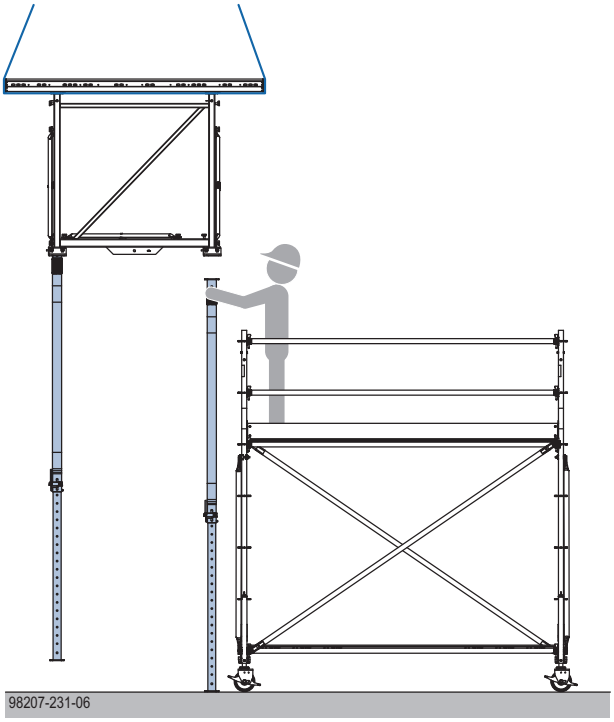
➤ Connect each DokaXdek scaffold connector T to the table superstructure with 2 safety pins and turn each safety pin through 90°.



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 the section headed Installing the 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.

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.

➤ Use only moderate force when striking with the Plastic mallet 4kg. Max. mallet backswing distance 50 cm!

➤ Give just one knock to each floor prop at a time, then move on to the next prop!

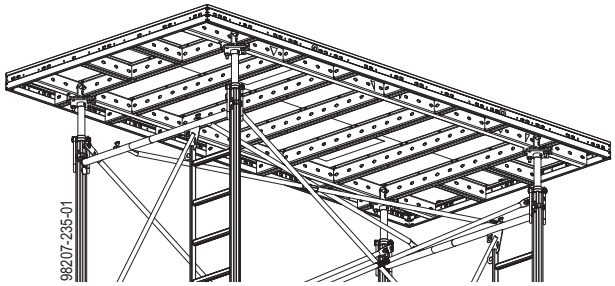
➤ Strike only the bottom part of the floor prop.

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

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

➤ Reposition edge props and DokaXdek swivel heads.

➤ Fit additional intermediate props with DokaXdek swivel heads or DokaXdek prop connections T.

See the sections headed Installing swivel head and prop connection T and Installing the floor props.

Positioning the floor props

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

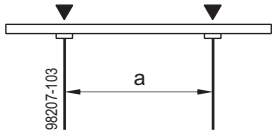
Note:

- Only tables 5.00 metre long have the marks for 4 floor props per primary profile.
- Consult Doka if floor props have to be positioned at other points.

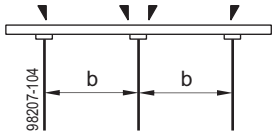
DokaXdek table (length 5.00 m)

DokaXdek table (length 4.00 m)

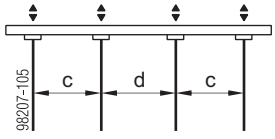
2 floor props per primary profile



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

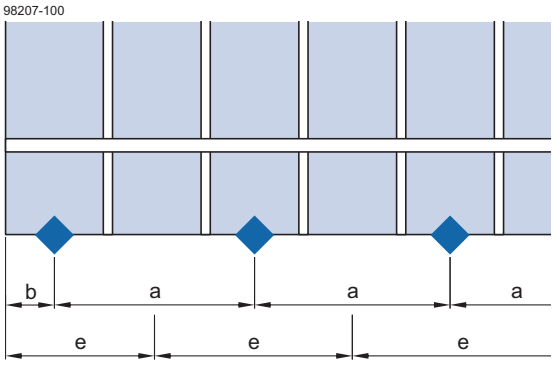
Structural design

WARNING
This structural design only applies under the following conditions:
- ➤ General use of floor props Eurex 30 top or Eurex 30 eco.
- ➤ Installation of the swivel heads on the primary profile or installation of the prop connections T on the primary profile only in conjunction with prop-connection plates T (see the section headed Installing swivel head and prop connection T).

- In accordance with EN 12812, 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, are allowed for (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 the section headed 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.



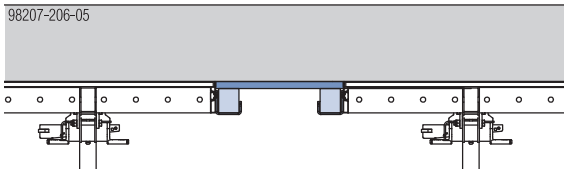
a ... span
b ... max. 12.5 cm
e ... influence width

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

Closure option 1



Squared timber supports or beam supports

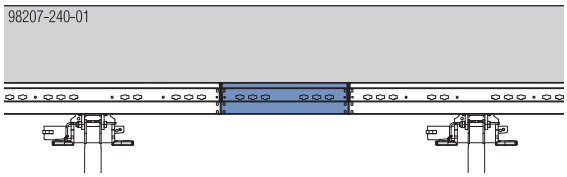
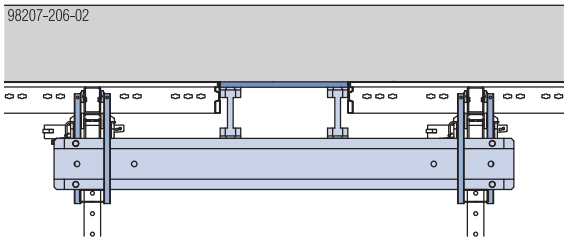


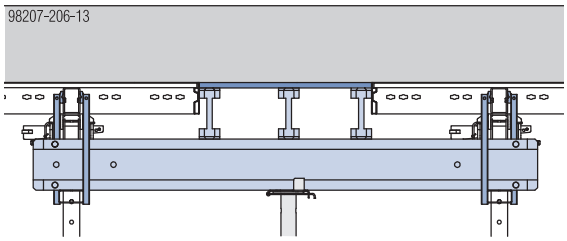
Table panels

Closure option 2



Suspension clamps without additional propping

Closure option 3

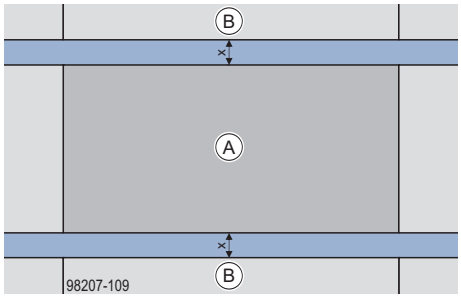


Suspension clamps with additional propping

Closure on long side of the tables [cm]

	Number of floor props per primary profile			Closure option		
	2	3	4	1	2	3
Table format	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.

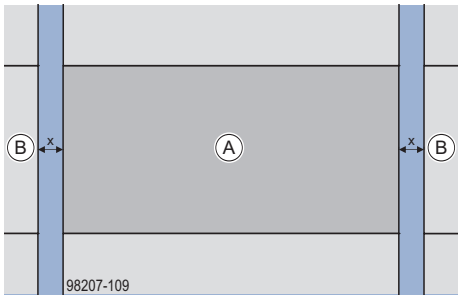


Schematic

Closure on short side of the tables [cm]

	Number of floor props per primary profile			Closure option		
	2	3	4	1	2	3
Table format	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.

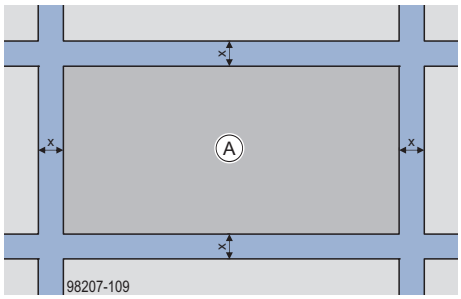


Schematic

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

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

Factors influencing permitted influence width:

- Required closure width
- Closure option

Max. closure width 'x'		25		50		75			100	125	150
Closure option		1	2	1	2	1	2	3	3	3	3
Slab thickness	20	177	250	146	250	130	250	250	250	197	137
	30	162	250	133	250	119	215	250	196	142	99
	40	150	250	124	250	109	165	200	150	109	76
	50	141	250	117	221	88	134	162	121	88	61
	60	135	250	111	186	74	112	136	102	74	52
	70	129	250	96	160	64	97	117	88	64	44
	80	125	250	85	142	57	86	104	78	57	40
	90	122	250	77	128	51	78	94	70	51	36
	100	118	250	70	116	47	71	85	64	47	32
	108	116	241	65	108	43	66	80	60	43	30

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 permitted slab thickness:

- Type of sheet
- Span

	3-SO 21mm	3-SO 27mm	Dokaplex 18mm	Dokaplex 21mm	DokaPly eco 18mm	DokaPly eco 21mm
Span 's'	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

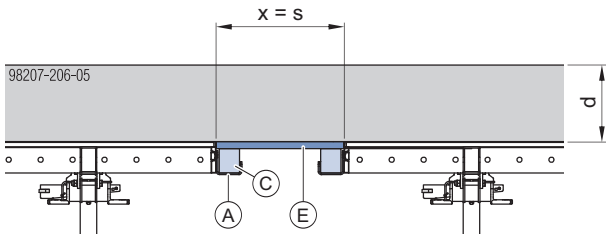
Dimensions in cm

Closure options

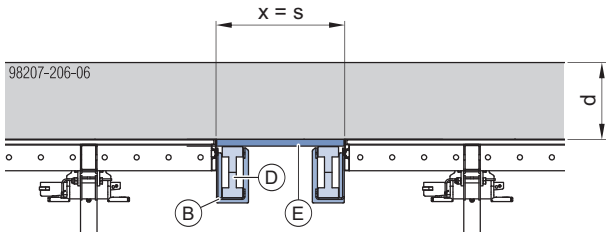
Closure option 1

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

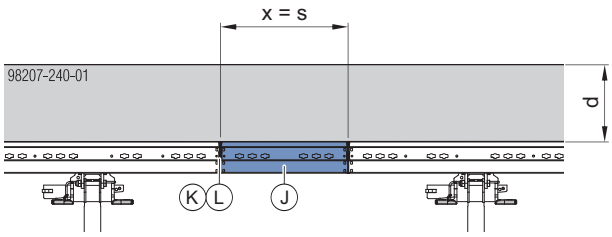
Closures between DokaXdek tables



with squared timber supports

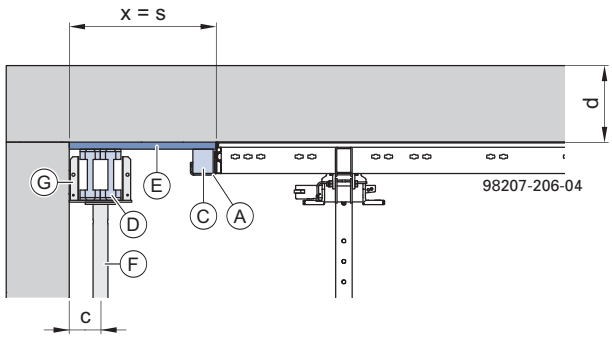


with beam supports

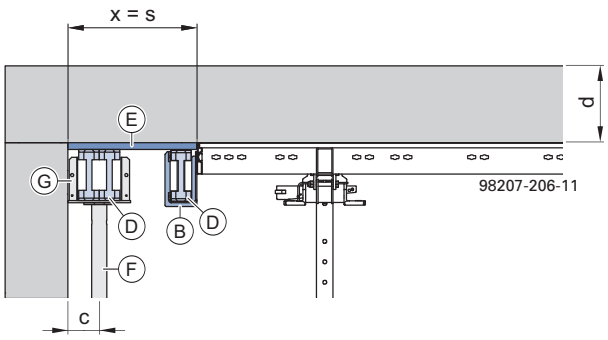


with table panels

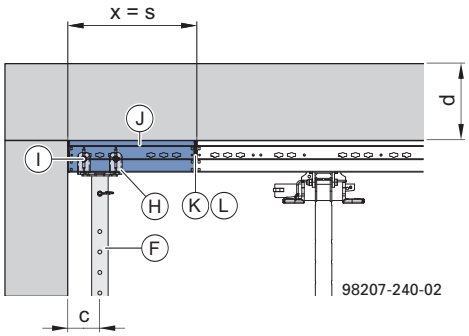
Closures along wall connections



with squared timber supports



with beam supports



with table panels

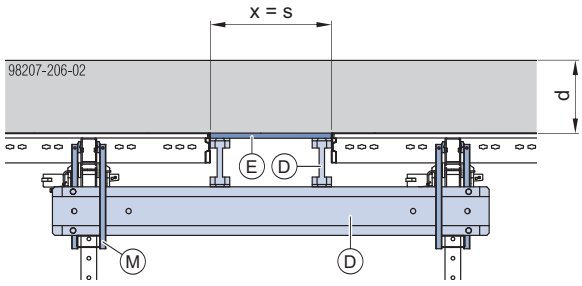
c ... max. 25 cm
d ... slab thickness
s ... uspan
x ... closure width

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	Floor prop Eurex 30 top or Eurex 30 eco
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

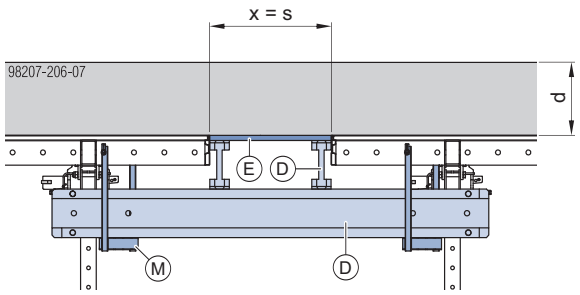
Closure option 2

Configuration with suspension clamps without additional propping.

Closures between DokaXdek tables

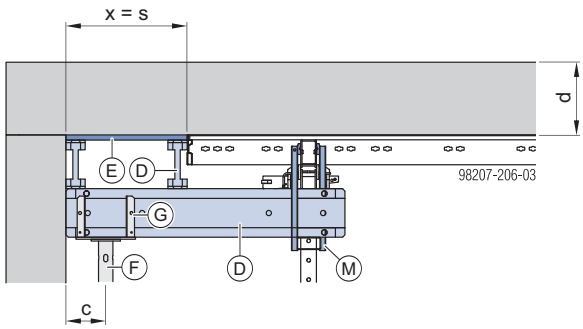


Suspension clamps in the primary profile

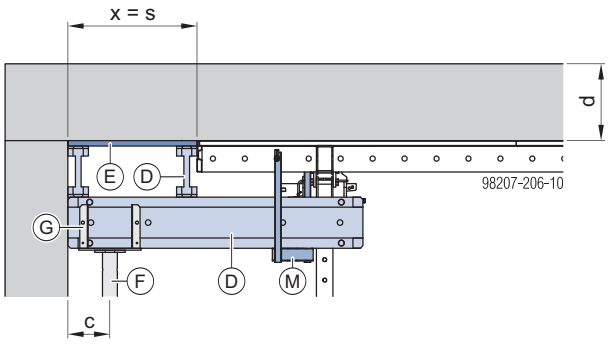


Suspension clamps in the function profile (between primary profile and frame profile)

Closures along wall connections



Suspension clamps in the primary profile



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

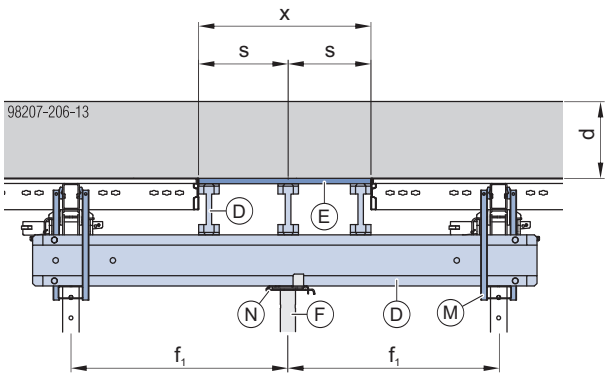
c ... max. 25 cm
d ... slab thickness
s ... span
x ... closure width

D	Doka beam H20 (2 as secondary beams)
E	Formwork sheet 18mm, 21mm or 27mm
F	Floor prop Eurex 30 top or Eurex 30 eco
G	4-way head H20
M	DokaXdek suspension clamp T 18mm, 21mm or 27mm

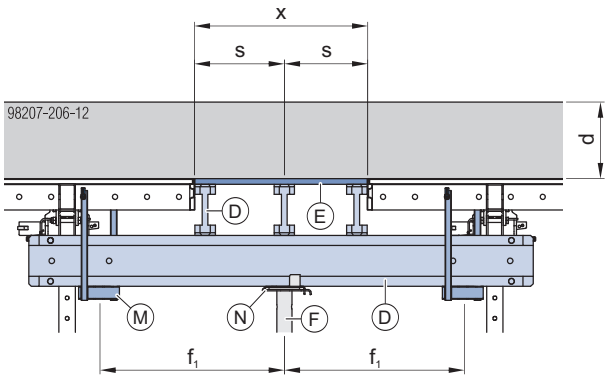
Closure option 3

Configuration with suspension clamps and additional propping.

Closures between DokaXdek tables

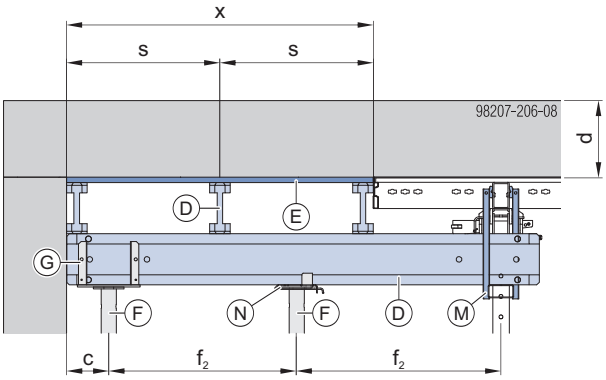


Suspension clamps in the primary profile

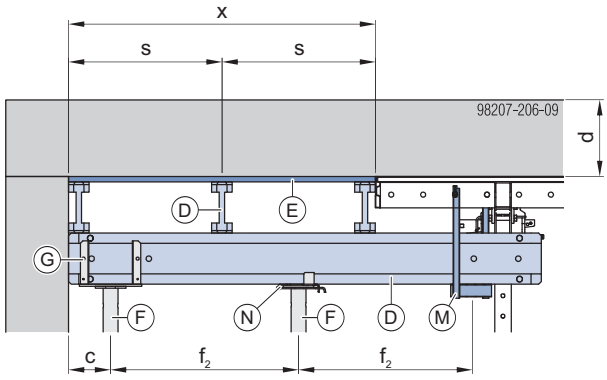


Suspension clamps in the function profile

Closures along wall connections



Suspension clamps in the primary profile



Suspension clamps in the function profile

c ... max. 25 cm
d ... slab thickness
f_1 ... max. 125 cm
f_2 ... max. 90 cm
s ... span
x ... closure width

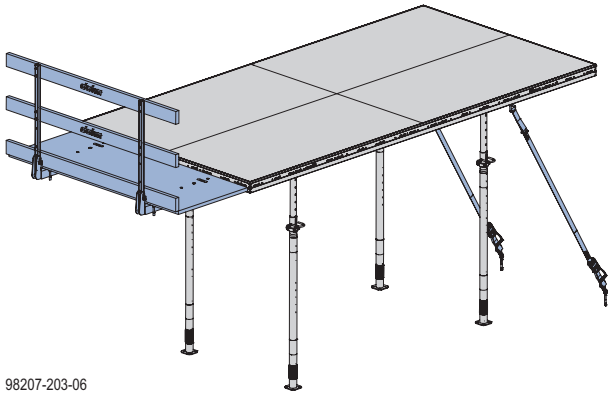
D	Doka beam H20 (at least 3 as secondary beams)
E	Formwork sheet
F	Floor prop Eurex 30 top or Eurex 30 eco
G	4-way head H20
M	DokaXdek suspension clamp T 18mm, 21mm or 27mm
N	Supporting head H20 DF

Edge tables

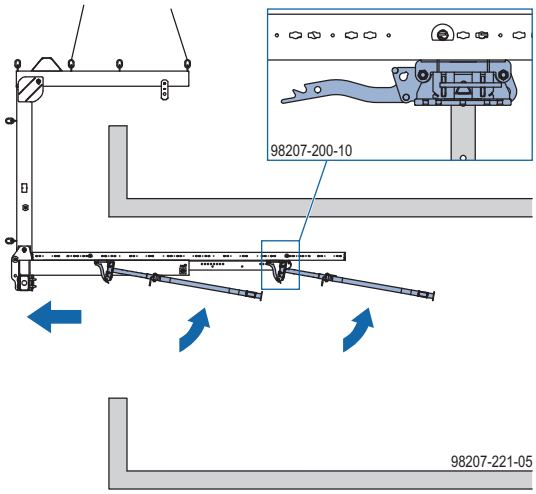
Different mounted parts can be integrated on the short and long sides of tableforms in the edge zone:

- 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.



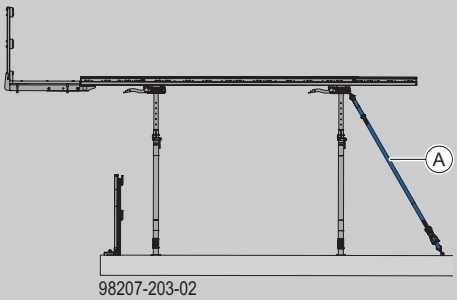
98207-203-06



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.



98207-203-02

For details of the tie-back, see the section headed Tie-back solutions.

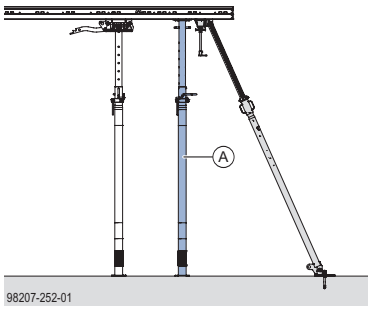
Note:

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).

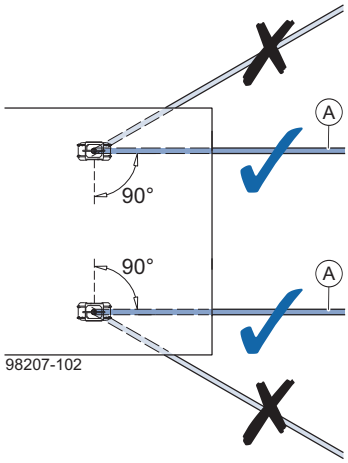
Tie-back solutions

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!

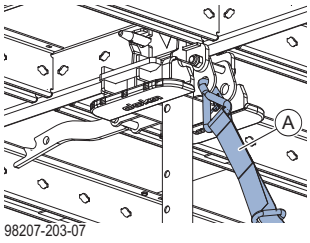


Lashing strap 5.00m

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

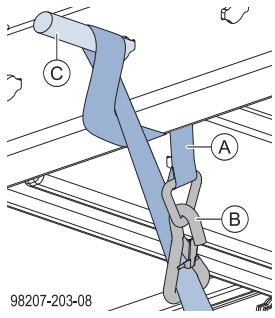
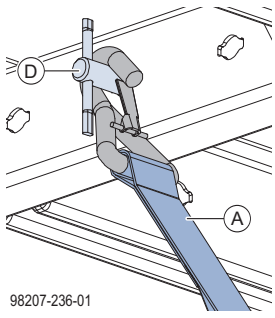
Permitted tensile force per lashing strap: 10 kN

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

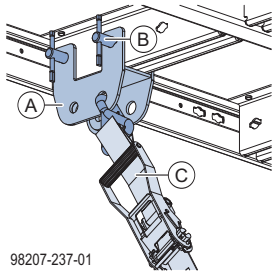
with Tie rod 15.0	with Safety pin D20 195
	

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.

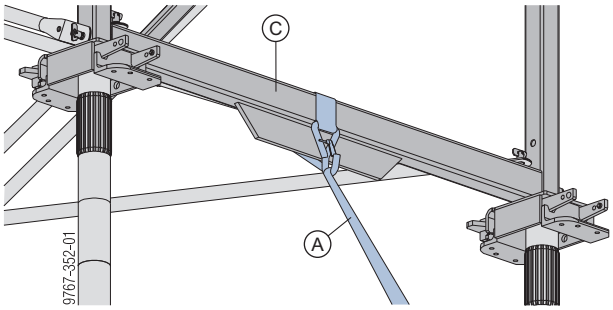


A DokaXdek plumbing strut adapter T
B Safety pin D20 195
C Lashing strap 5.00m

Permitted tensile force per lashing strap: 10 kN

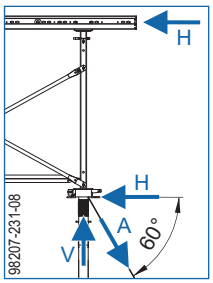
Tie-back attached to Table frame 1.50m

➤ 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



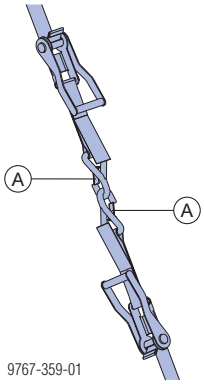
H ... horizontal force
V ... resulting vertical force from H
A ... tie-back force

Tie-backs for high tableforms

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

NOTICE

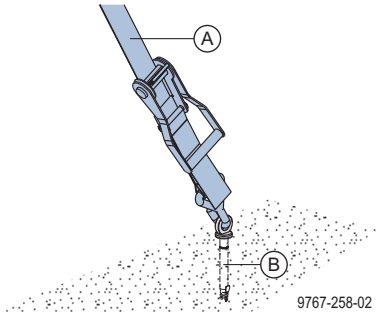
Only Lashing straps 5.00m **with spring-loaded locking flap** may be used!



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 $f_{ck,cube,current} \geq 10$ N/mm²:
$F_{perm.} = 10.0$ kN ($R_d = 15.0$ 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.

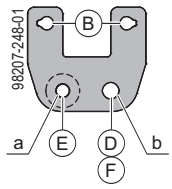
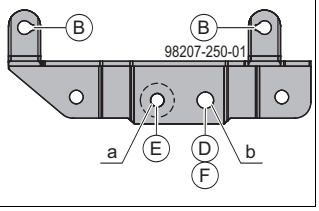
Follow the manufacturers' applicable fitting instructions.

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

DokaXdek plumbing strut adapter T	DokaXdek drop beam adapter T
	

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

b ... diam. 26 mm

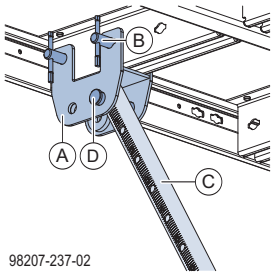
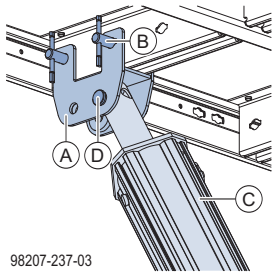
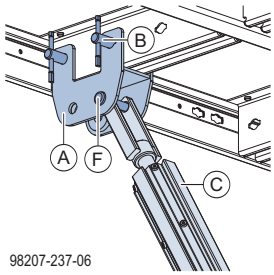
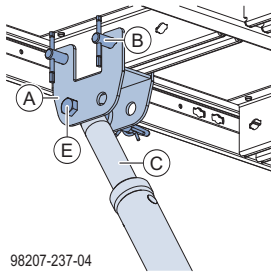
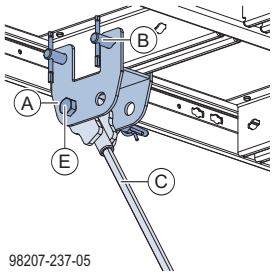
Installation:

- ➤ 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

Plumbing strut 340 IB or 540 IB	Eurex 60 550
	
DokaRex alignment strut IB	Spindle strut T7
	
Bracing for load-bearing towers	
	

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.

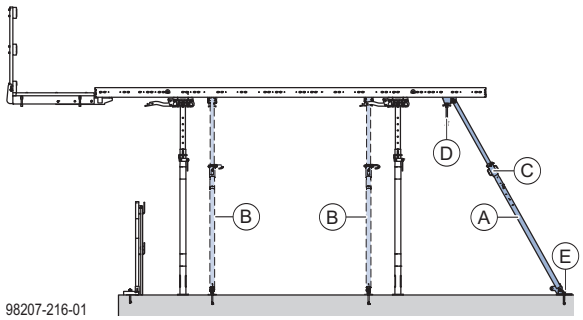
- **Anchoring the support to the floor with 1 express anchor:**
  - Permitted tensile and compressive forces: 13.5 kN (60° propping angle)
- **Anchoring the support to the floor with 2 express anchors:**
  - Permitted tensile and compressive forces: 27 kN (60° propping angle)

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)

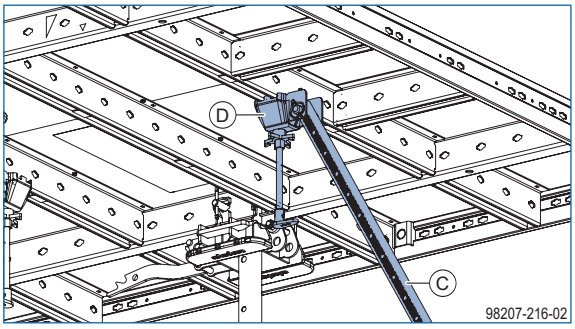
WARNING
➤ Check the connections between the plumbing struts and the tableform before repositioning the table.

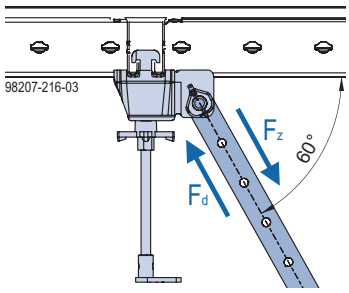


A Fixed at right angles to the function profile
B Fixed in line with the function profile
C Plumbing strut 340 IB or 540 IB
D Prop head EB
E Doka express anchor 16x125mm

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



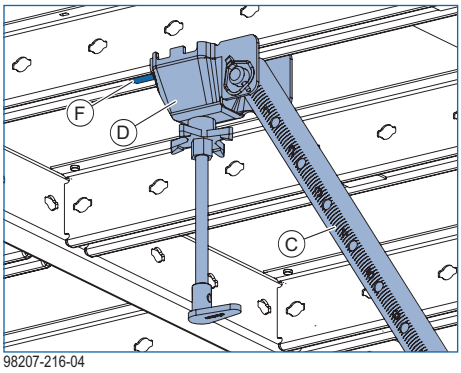


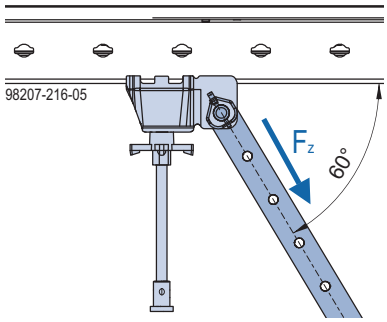
C Plumbing strut 340 IB or 540 IB
D Prop head EB

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.



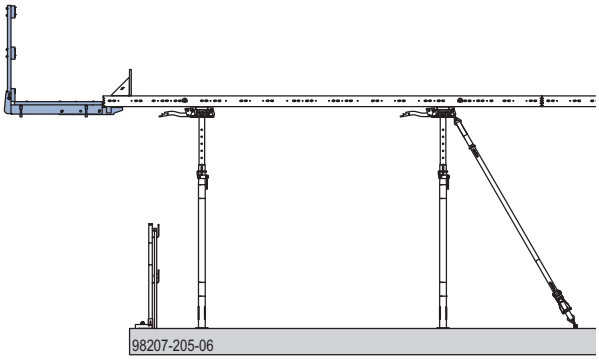


C Plumbing strut 340 IB or 540 IB
D Prop head EB
F Drawn metal sheet

Anchoring in the ground

➤ Prepare an anchorage point in the ground with the Doka express anchor (see the section headed Anchoring in the ground).

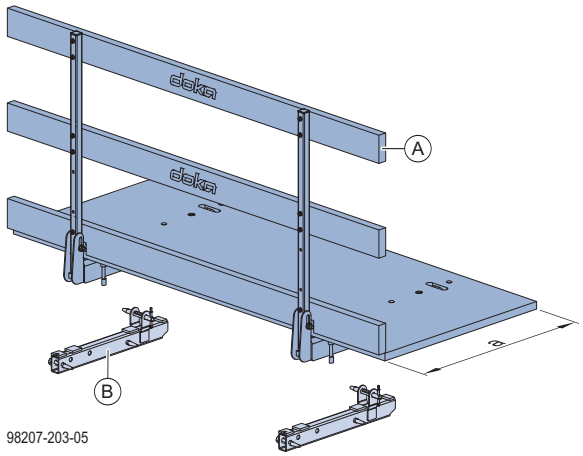
Edge table with platform



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 - for 2.50m wide DokaXdek tables
  - 1.95m - for 2.00m wide DokaXdek tables
- High safety for edge tables
- Installable on short side (primary profile) and long side (function profile) of the table
- 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

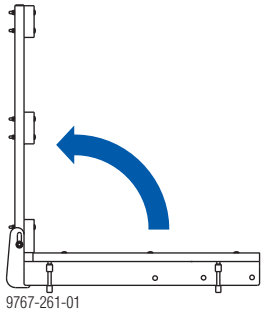
A	Dokamatic table platform
B	DokaXdek platform adapter T

Permitted service load: 200 kg/m²
Load Class 3 to EN 12811-1:2003

Assembly

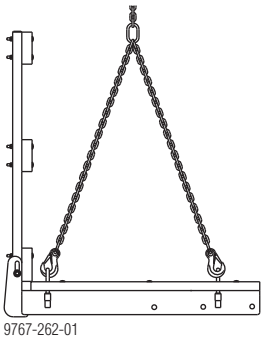
Preparation:

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



Repositioning:

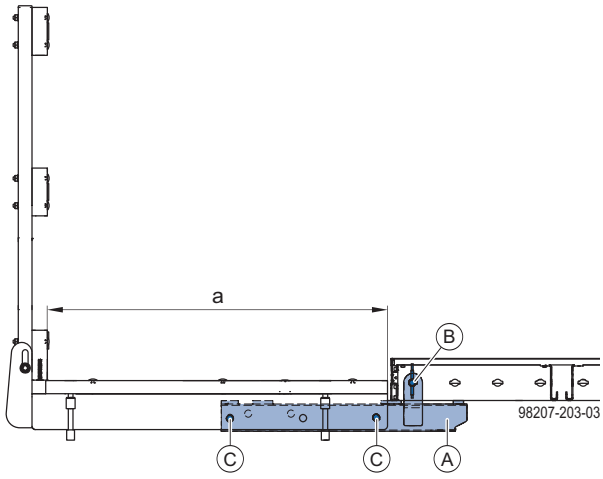
➤ Attach a 4-part lifting chain (e.g. Doka 4-part chain 3.20m) to the Dokamatic table platform.



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.



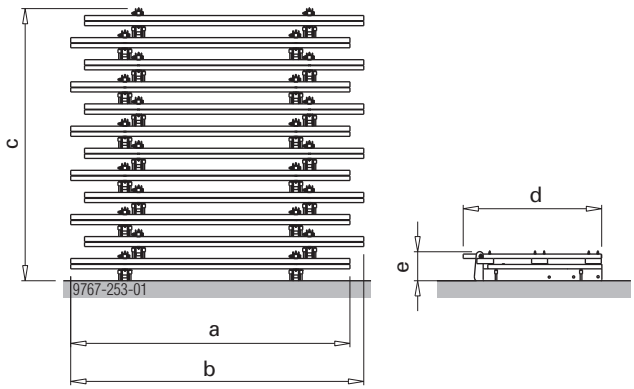
Example: Installation on short side (primary profile)
a ... 1.00 m

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

Transporting, stacking and storing

Stack of
12 Dokamatic table platforms

Single folded-down platform



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

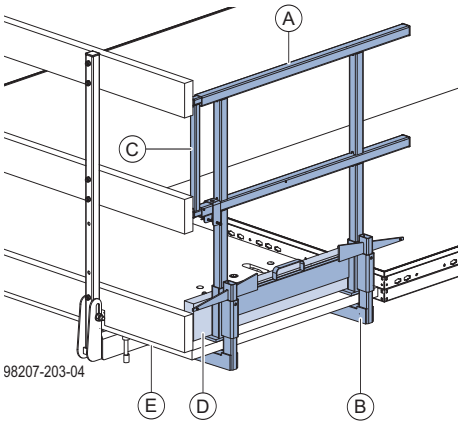
On platforms that do not completely encircle the structure, suitable sideguards must be placed across exposed end-of-platform zones.

Note:

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

Observe all national regulations applying to deckboards 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).

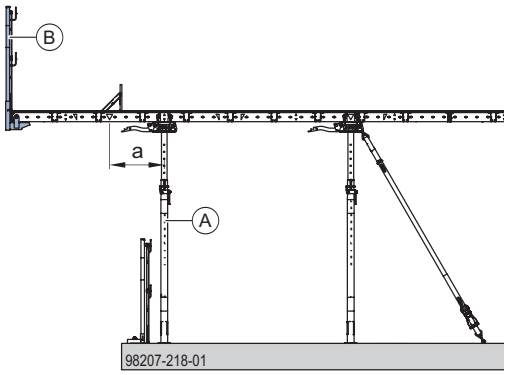
Edge table without platform

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.

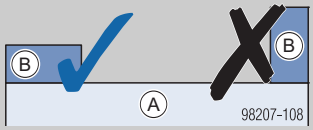


A Doka floor prop Eurex 30 top or Eurex 30 eco
B Xsafe edge protection XP

Installing table panels

WARNING

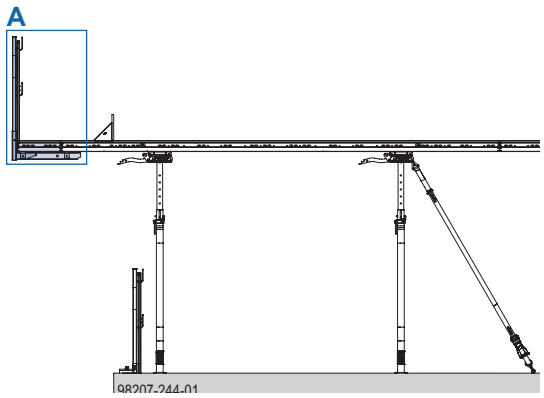
➤ Install table panels **(B)** only with the long side on the table **(A)** .



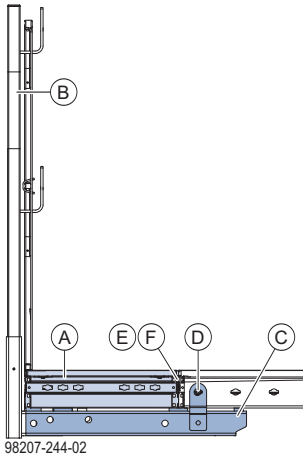
➤ Do not step onto cantilevering table panels of edge tables unless the table panels are supported on platform adapters or universal walings.

➤ 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 the section headed DokaXdek table panels.



Close-up A

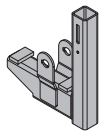


A DokaXdek table panel
B Xsafe edge protection XP
C DokaXdek platform adapter T
D Safety pin D20 195
E Centring connector 15.0
F Centring nut 15.0

Xsafe edge protection XP

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

DokaXdek table adapter XP

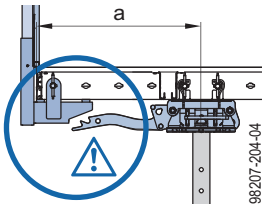


Used together with the Handrail post XP to construct all-round safety barriers on the DokaXdek table.

- 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:

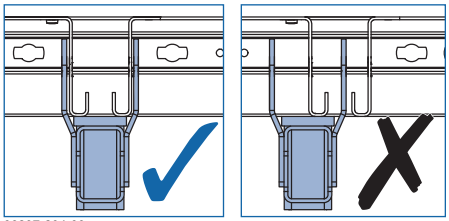
Distance **a** between floor props and table edge ≤ 62.5 cm: Collision of the Table adapter XP with the swivel head during installation and when the swivel function is used.



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.

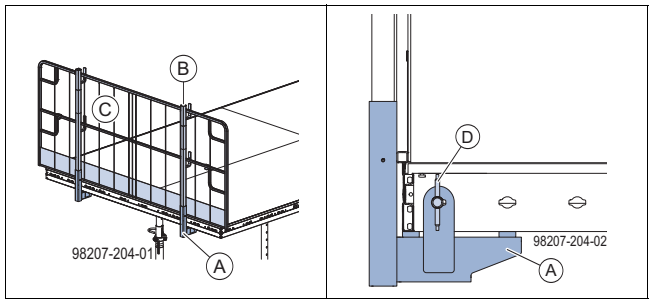


➤ Working from below, push the Toeboard holder XP onto the Handrail post XP (not needed when using the Protective grating XP).

➤ 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/m²]	Permissible influence width 'e' [m]									
	Protective grating XP 2.70x1.20m	Guardrail boards							Scaffold tubes 48.3mm [2]	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		
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

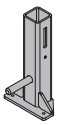
Use in combination with Handrail post XP 1.20m and 0.60m or Handrail post XP 1.80m

Peak velocity pressure q [kN/m²]	Permissible influence width 'e' [m]									
	Protective gratings XP 2.70x1.20m and 2.70x0.60m	Guardrail boards							Scaffold tubes 48.3mm [2]	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		
0.2	2.5	1.8	1.9	2.7	3.6	2.9	3.3	3.3	5.0	1.6
0.6	2.5	1.8	1.9	2.6	2.6	1.9	1.9	1.9	5.0	0.9
1.1	2.4	1.7	1.4	1.4	1.4	1.1	1.1	1.1	4.6	0.5
1.3	2.1	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.

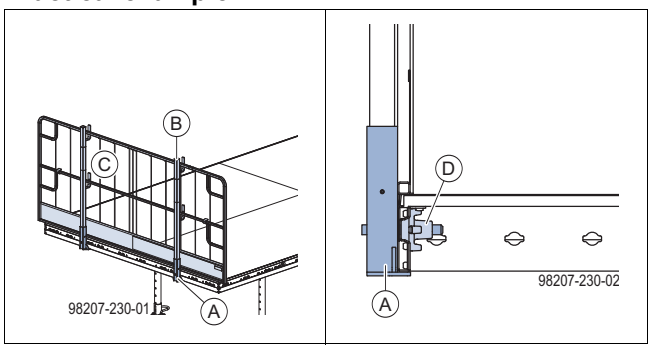
➤ Working from below, push the Toeboard holder XP onto the Handrail post XP (not needed when using the Protective grating XP).

➤ 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 kN/m² (highlighted grey in the tables).

Use in combination with Handrail post XP 1.20m

Peak velocity pressure q [kN/m²]	Permissible influence width 'e' [m]									
	Protective grating XP 2.70x1.20m	Guardrail boards							Scaffold tubes 48.3mm [2]	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		
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

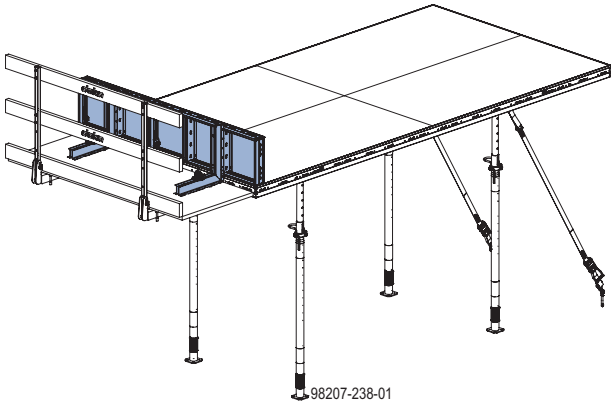
Peak velocity pressure q [kN/m²]	Permissible influence width 'e' [m]									
	Protective gratings XP 2.70x1.20m and 2.70x0.60m	Guardrail boards							Scaffold tubes 48.3mm [2]	Gap-free boarding
		2.5 x 12.5 cm [1]	2.4 x 15 cm	3 x 15 cm	4 x 15 cm	3 x 20 cm	4 x 20 cm	5 x 20 cm		
0.2	2.5	1.8	1.7	1.7	1.7	1.2	1.2	1.2	5.0	0.6
0.6	2.5	1.8	1.8	1.8	1.8	1.2	1.2	1.2	5.0	0.6
1.1	1.6	1.1	1.0	1.0	1.0	0.7	0.7	0.7	4.6	0.3
1.3	1.4	1.0	0.8	0.8	0.8	0.6	0.6	0.6	3.9	0.3

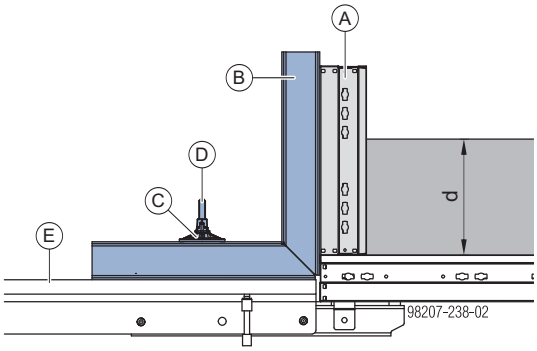
[1] with toeboard 3 x 20 cm, 4 x 20 cm or 5 x 20 cm

[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)

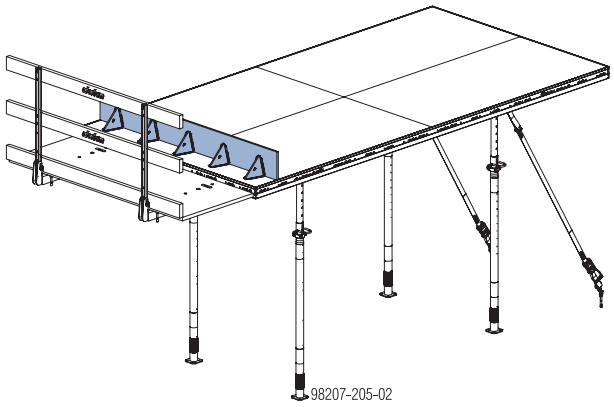
A	DokaXdek table panel (or framed formwork panel)
B	Framax universal corner waling
C	Super plate 15.0
D	Tie rod 15.0 (length approx. 25 cm)
E	Dokamatic table platform

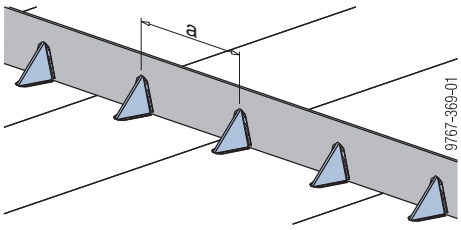
Connect table panels to each other with 2 Centring connectors 15.0 and Centring nuts 15.0.

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

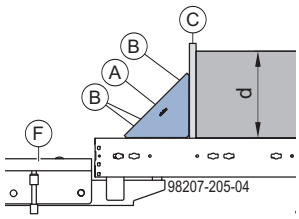
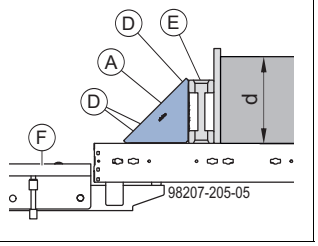
Max. loading of the Dokamatic table platform during pouring: 150 kg/m²
Load Class 2 to EN 12811-1:2003

with Universal end-shutter support 30cm





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

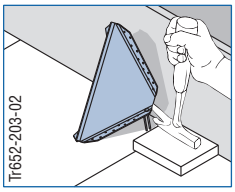
Configuration A (secured with nails)	**Configuration B** (secured with universal countersunk screws)
	

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:

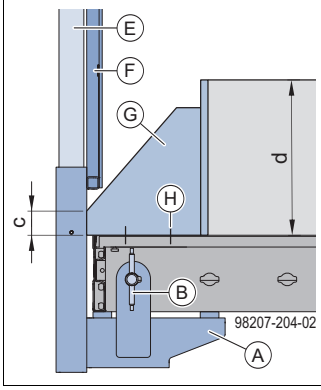
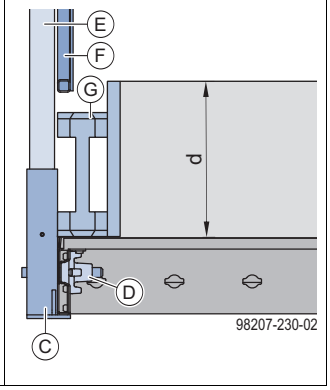
- DokaXdek table adapter XP
- DokaXdek screw-on adapter XP T

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

DokaXdek table adapter XP	DokaXdek screw-on adapter XP T
	

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			
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 gratings XP 2.70x1.20m and 2.70x0.80m	Guardrail boards 5 x 20 cm	Protective grating XP 2.70x1.20m	Guardrail boards 5 x 20 cm	Protective gratings XP 2.70x1.20m and 2.70x0.80m	Guardrail boards 5 x 20 cm
Slab thickness d ≤ 40 cm	2.0	1.1	1.4	0.8	1.4	0.8	0.9	0.5
Slab thickness d > 40 to 50 cm	1.4	1.0	1.1	0.7	1.1	0.7	0.7	0.4

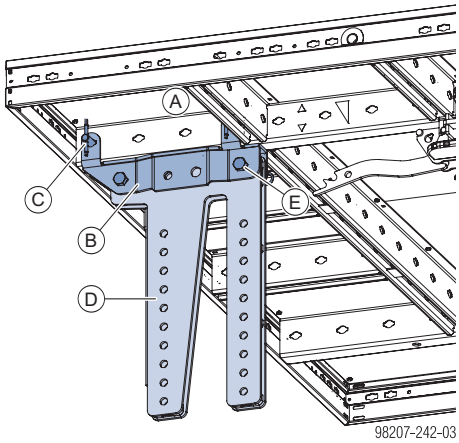
[1)] Values apply for peak velocity pressure q = 1.3 kN/m²

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 the section headed Repositioning tables with drop-beam formwork

Installation

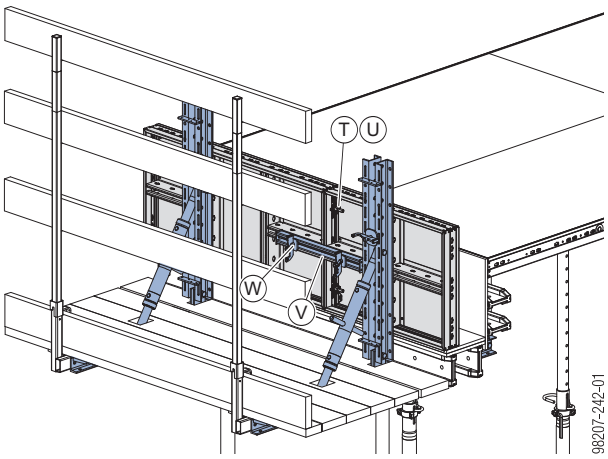


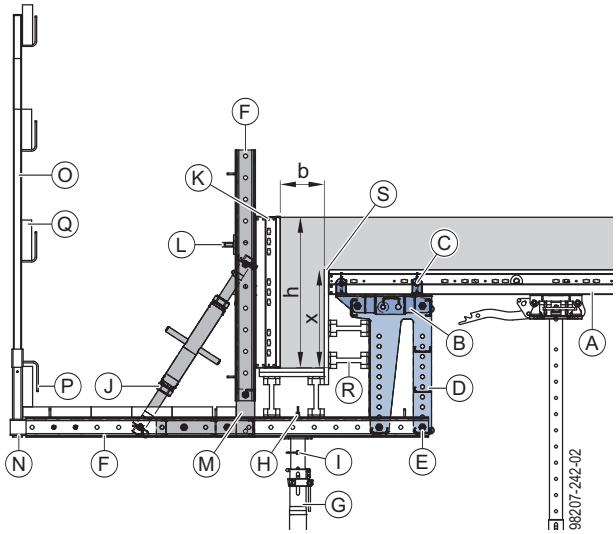
B	DokaXdek drop beam adapter T
C	Safety pin D20 195
D	Dokamatic drop beam plate 60cm
E	Connecting pin 10cm + Spring cotter 5mm

Note:

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

Practical example with spindle strut



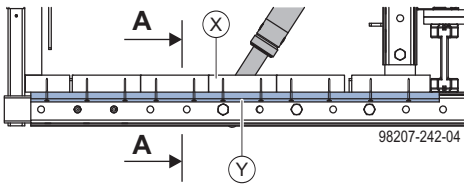


b ... drop-beam width (dependent on the length of the multi-purpose waling and on the load-bearing capacity of the floor prop)
h ... stop-end height (incl. slab thickness)
x ... drop-beam height (without slab thickness)

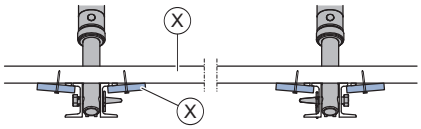
A	DokaXdek table (standard version)
B	DokaXdek drop beam adapter T
C	Safety pin D20 195
D	Dokamatic drop beam plate 60cm
E	Connecting pin 10cm + Spring cotter 5mm
F	Multi-purpose waling WS10 Top50
G	Doka floor prop Eurex 30 top or Eurex 30 eco
H	Dokamatic prop connection
I	Spring locked connecting pin 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



Perm. influence width of the support for stop-end

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

Dimensions in cm

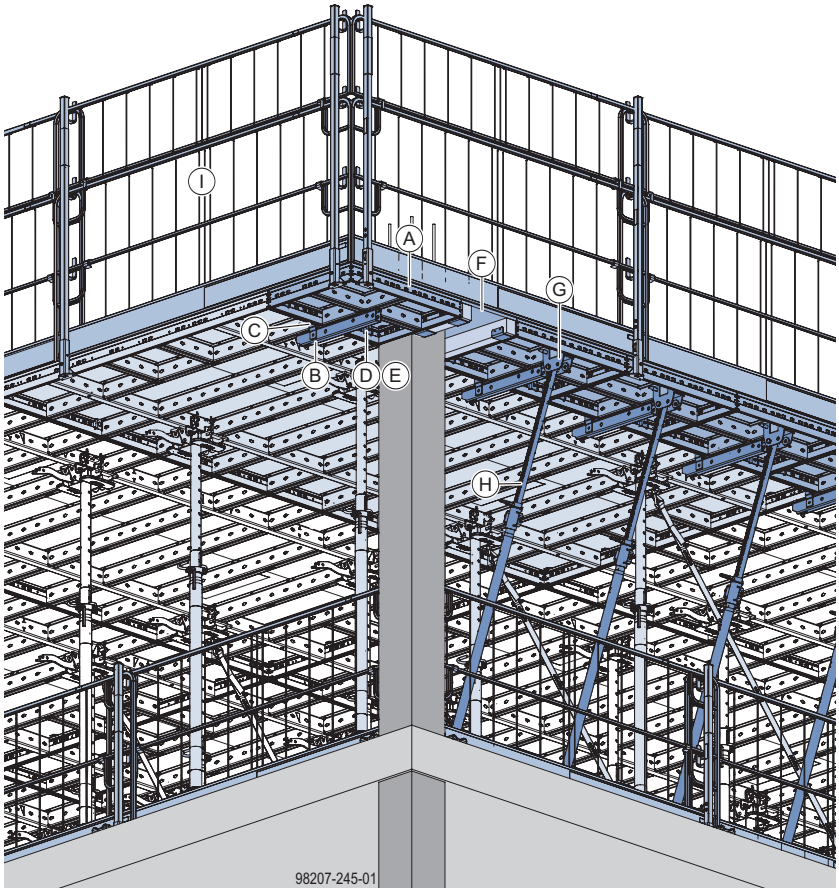
NOTICE

Values apply only for propping of the drop-beam formwork with Floor props Eurex 30 top or Eurex 30 eco (position always centred under the drop beam).

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!



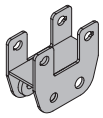
A	DokaXdek table panel
B	DokaXdek platform adapter T
C	Safety pin D20 195
D	Centring connector 15.0
E	Centring nut 15.0
F	Closure
G	DokaXdek plumbing strut adapter T
H	Plumbing strut 340 IB or 540 IB
I	Xsafe edge protection XP

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).

Permitted tensile and compressive forces: 13.5 kN (60° propping angle)

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

NOTICE

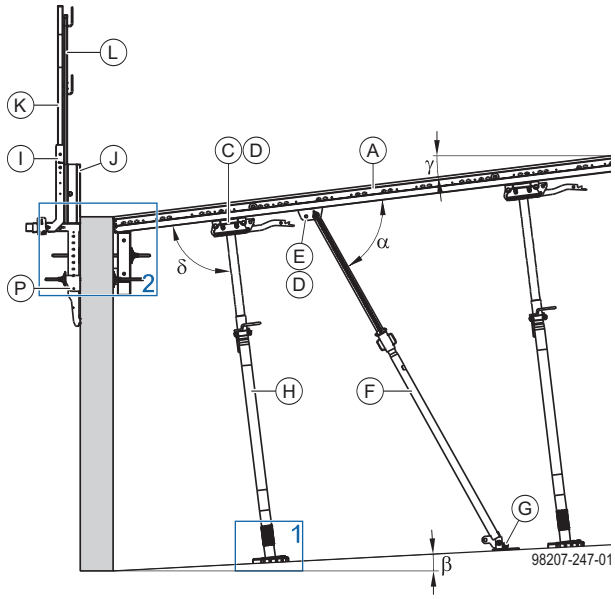
Take the angle of inclination of the working surface into account for the edge protection system! (See EN 13374).

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

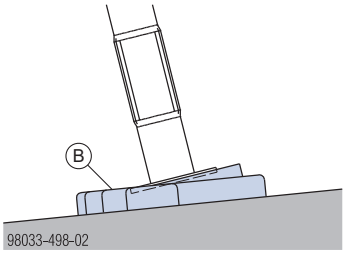
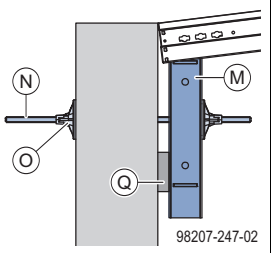
Follow the directions in the 'Doka express anchor 16x125mm' and 'Lashing strap 5.00m' User Information booklets.

Closing the formwork

Practical example



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

Close-up 1 Compensating plate	Close-up 2 Fixing to the wall
	

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 Eurex
I	Doka floor end-shutter clamp
J	Framed formwork element
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 Plumbing strut adapter T (see the section headed Bracing attached to Plumbing strut adapter T).

NOTICE

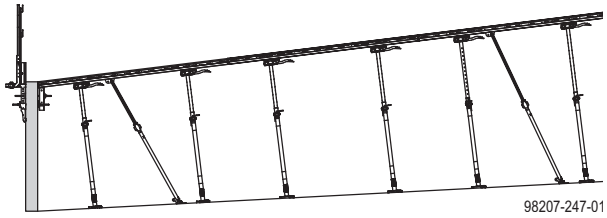
➤ When extending the Plumbing strut IB, only turn the adjusting nut until the strut encounters resistance from above. The table must not be raised.

➤ 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.



Pouring

➤ Before pouring, recheck all floor props.

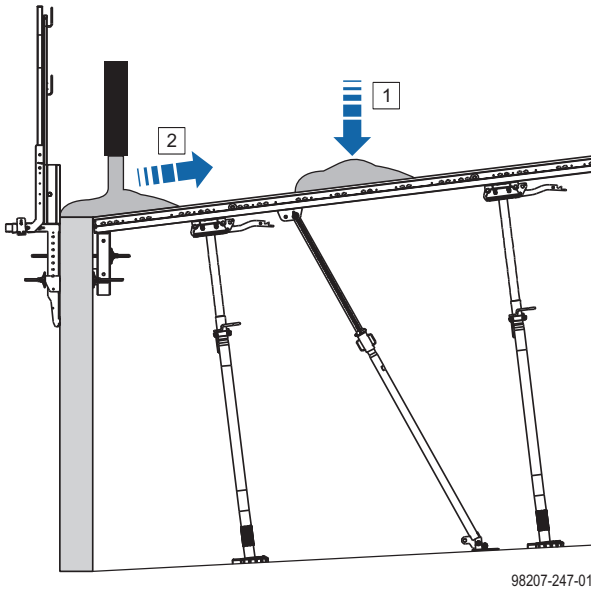
- The fastening clamp **(A)** has to be pushed all the way into the floor prop.
- Adjusting nut **(B)** has to be tightened into contact with the fastening clamp.

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)**!



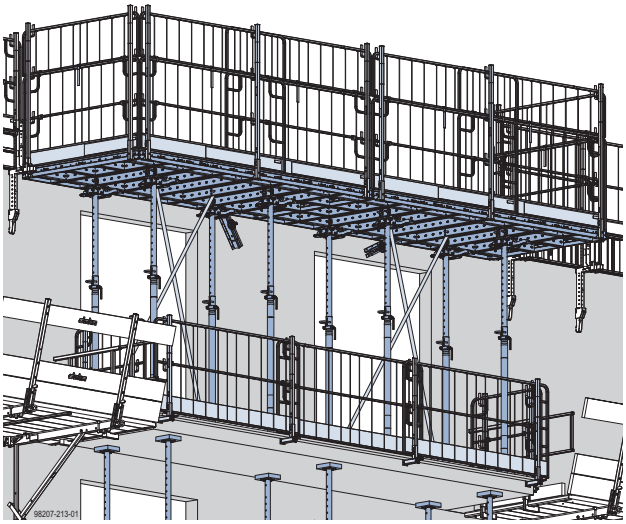
Stripping the formwork

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.

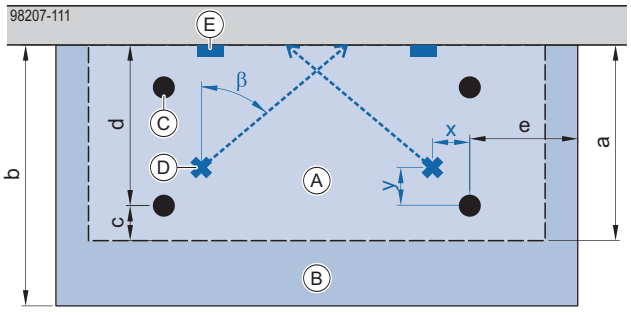
Balcony tables

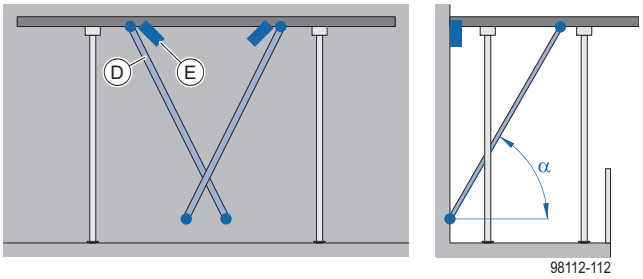
With the DokaXdek table, balcony tables can be constructed without additional waling planes. To do this, simply install the DokaXdek swivel heads on the table rotated by 90°.



Dimensioning and stabilising

- Max. slab thickness of the balcony without separate static verification: 25 cm
- 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 Floor prop
D Bracing (Lashing strap 5.00m 2G or Lashing strap 5.00m)
E Framax universal waling 0.60m

		DokaXdek table	
		2.00x4.00m 2.00x5.00m	2.50x4.00m 2.50x5.00m
a	Max. balcony width	160	210
b	Table width	200	250
c	Distance of the floor prop to the longitudinal balcony edge	10 to 22	
d	Distance of the floor prop from the structure	b minus c **(min. 100)**	b minus c **(min. 125)**
e	Distance of the floor prop to the transverse edge of the balcony table	50 or 100	
x	Distance of the bracing to the floor prop	50 or 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

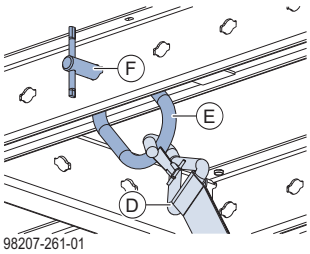
Stabilising the balcony table

Remedy	Effect
Brace the balcony table with 2 lashing straps **(D)** crosswise between the floor props. **Required preload force of the 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 of the balcony table.
If the specified angle of inclination of the bracing cannot be maintained (α = 60°), the balcony table must be additionally fixed to the wall with 2 Framax universal walings 0.60m **(E)** .	▪ Prevents the balcony table from being moved horizontally away from the building.
If the specified horizontal angle of the bracing cannot be maintained (β = 45°), individual planning and dimensioning is required. Contact Doka!	▪ Prevents the balcony table from being moved horizontally in the longitudinal direction.

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'

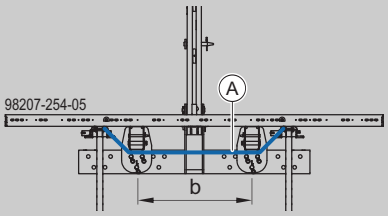


D Lashing strap 5.00m 2G
E Suspension link A18
F Safety pin D20 195 + Spring cotter 5mm

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)!

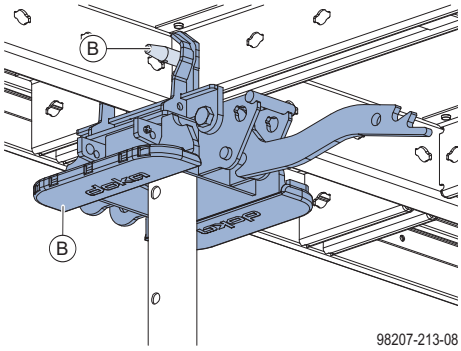
Pre-assembly

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 the section headed Installing swivel head and prop connection T).



A DokaXdek swivel head
B Safety pin D20 195

- ➤ Install fall protection (height 180 cm) on the balcony table (see the section headed Xsafe edge protection XP). Gap-free boarding is not permitted!
- ➤ Install the floor props on the balcony table (see the section headed Installing the floor props). Always attach the two wall-side floor props to the primary profile.

Closing the formwork

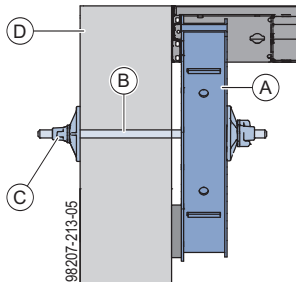
- ➤ Lift the balcony table to its next location (see the section headed Transport fork 1.3t adjustable) and extend the floor props to the desired length.
- ➤ Fasten two lashing straps in the function profiles of the balcony table (see the section headedTie-back solutions).
- ➤ Secure the balcony table 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)

➤ Lift further balcony tables to their intended location, connect them together (see the section headed Centring connector and centring nut) and brace them.

➤ Form the slab stop-ends on the balcony tables (see the section headedEdge 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.

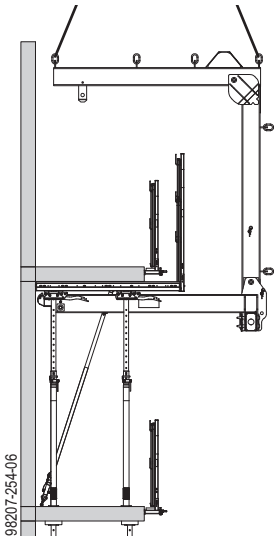
➤ Before pouring the balcony above, install reshoring props (see the section headed Reshoring props, concrete technology and stripping out).

Stripping the formwork

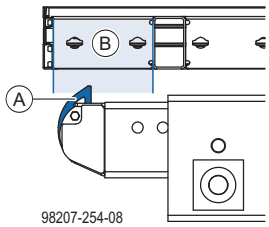
NOTICE

- Comply with the stipulated stripping times!
- As well as the instructions given here, follow the instructions in the section headed 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.

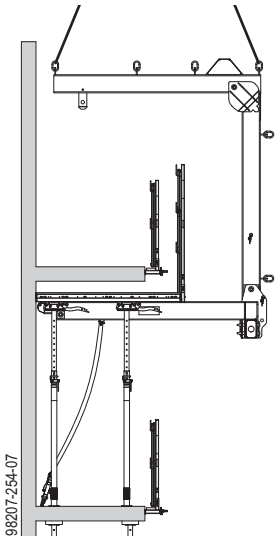
The lashing straps prevent the balcony table and the transport fork from moving away from the building and damaging the guardrail, for example.

➤ 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

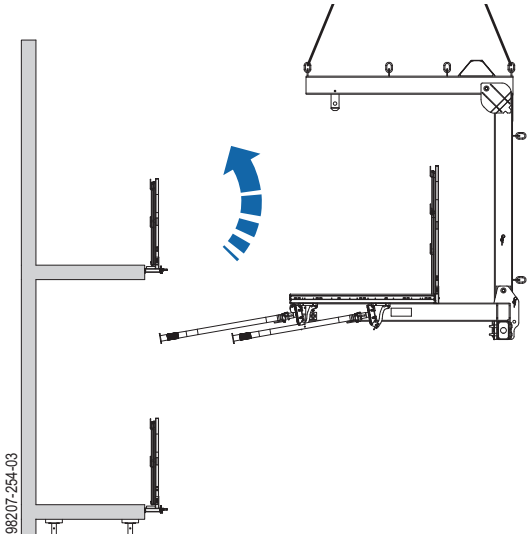
➤ Do not slacken and remove the lashing straps until the balcony table is resting completely on the transport fork!

➤ No lashing straps or lifting parts may remain on the balcony table during repositioning.

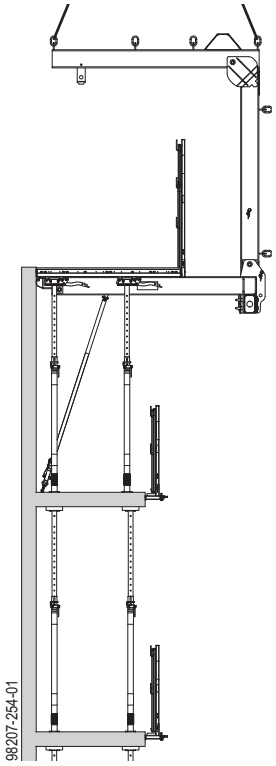
➤ Remove all lashing straps and lifting parts from the balcony table.

➤ Swing the floor props up.

➤ Lift 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 the section headed Reshoring props, concrete technology and stripping out).



Repositioning

General instructions on repositioning

There are various repositioning solutions for the DokaXdek 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

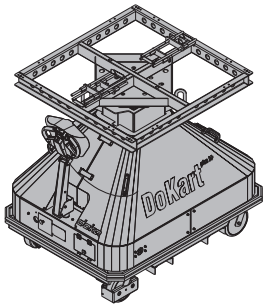
Observe the following points when repositioning / travelling tableforms horizontally:

- 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

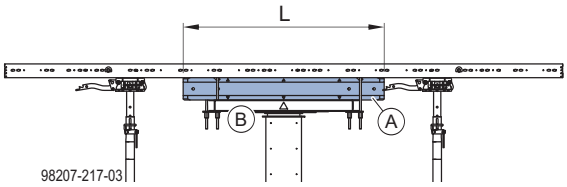
Before tableforms can be repositioned, 2 extra distribution beams (Doka beams H20) must be installed.

WARNING

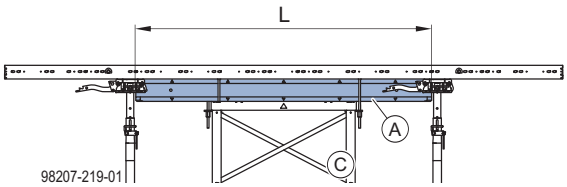
Risk of injury when the DoKart plus with projecting distribution beams is moved!

- ➤ 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**

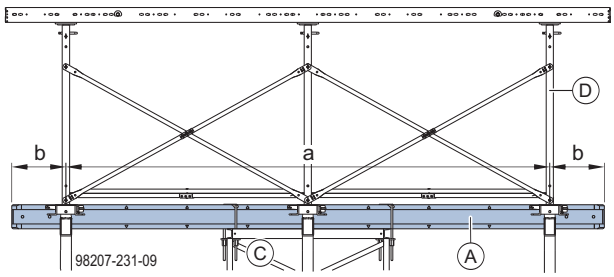
without stacking frames



with stacking frames



with stacking frames and table frames



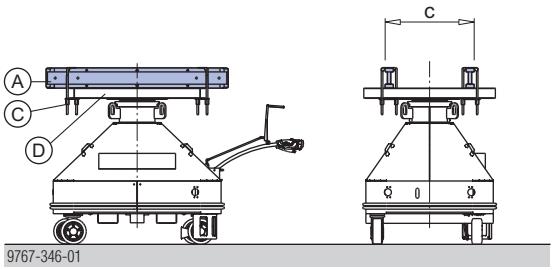
b ... min. 0.5 m

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.

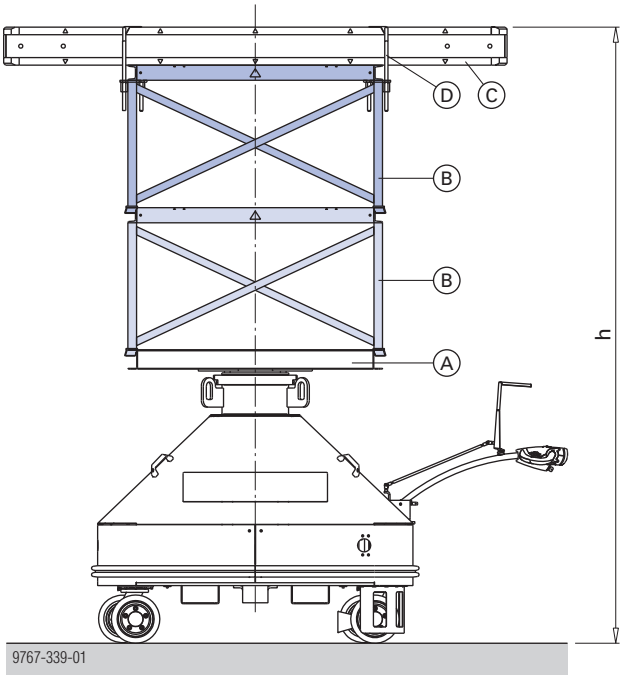


c ... max. 90 cm

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

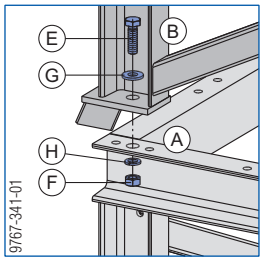
Height ranges incl. distribution beams

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.

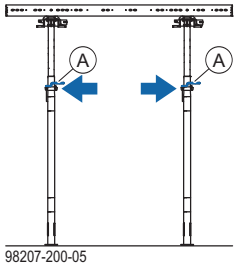


A Carrying frame of DoKart plus, or Stacking frame DF below
B Stacking frame DF
E Hexagon bolt M12x40
F Hexagon nut M12
G Washer A13
H Spring washer A12

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.



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

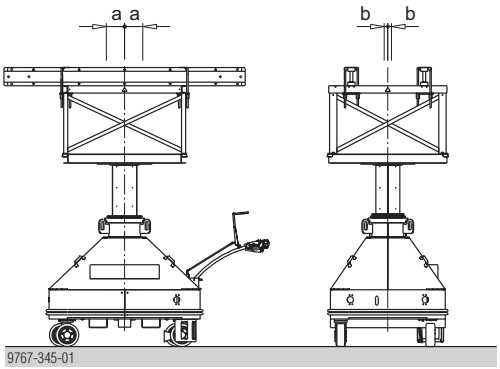
➤ Depending on the size of the table and the situation on the site, travel the DoKart plus under the table either from one end or one side of the table.

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 cm
- b_{max} = 10 cm



Travelling the tableform

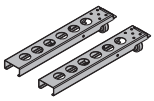
WARNING

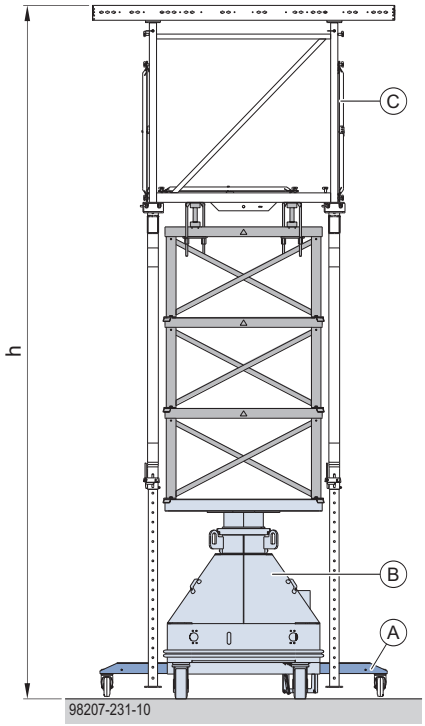
Risk of injury when the DoKart plus with projecting distribution beams is moved!

➤ 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.





h ... 5.65 m to max. 7.15 m

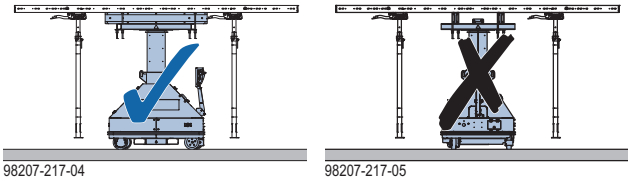
A	Extension set for DoKart plus
B	DoKart plus
C	DokaXdek table with Table frame 1.50m

WARNING

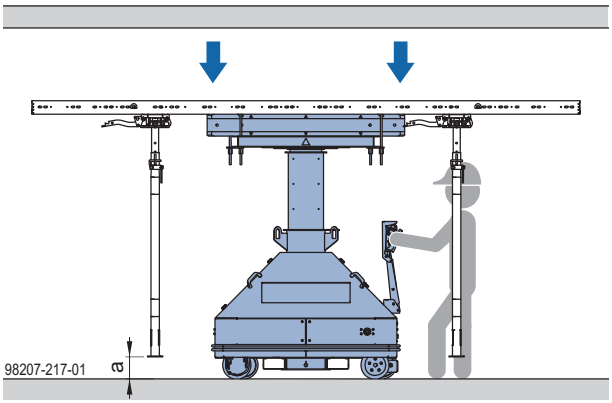
Risk of tipping over!

➤ Move tables in the longitudinal direction only!

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

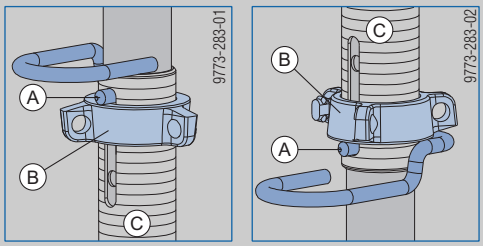


WARNING
Risk of tipping over!
- ➤ Do not extend the lifting tower of the DoKart plus farther than necessary.
- ➤ Push the floor props all the way in.
- ➤ Lower the tableform (until floor props are max. 10 cm clear of the floor).
- ➤ If necessary, extend the outriggers of the DoKart plus extension set.

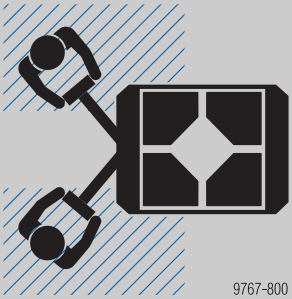


a ... max. 10 cm

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!



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.

Setting down and positioning the tableform

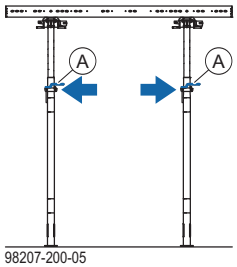
CAUTION

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.

➤ Use only moderate force when striking with the Plastic mallet 4kg. Max. mallet backswing distance 50 cm!

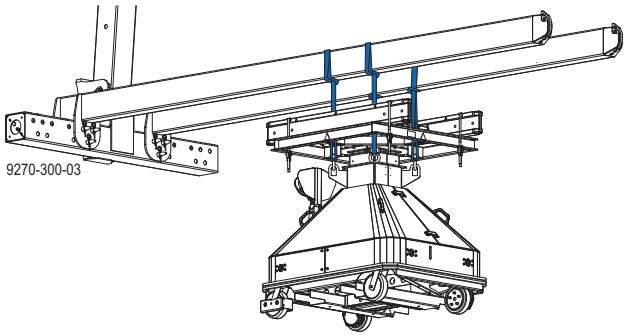
➤ Give just one knock to each floor prop at a time, then move on to the next prop!

➤ Strike only the bottom part of the floor prop.

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.



Vertical repositioning

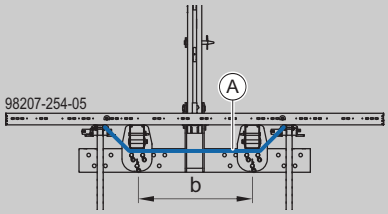
Transport forks

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. $^1/_3$ of table width
Fork length: min. $^2/_3$ 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:)

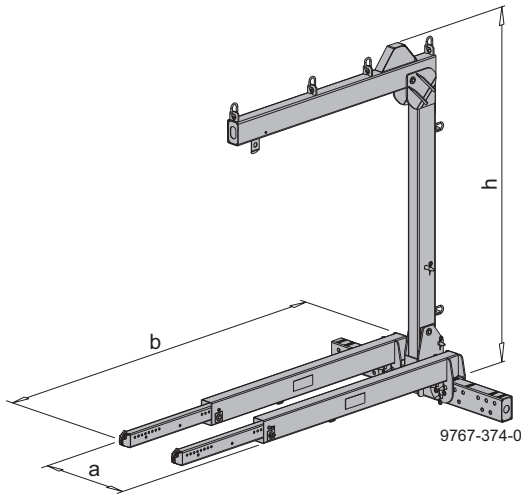
WARNING
Risk of tipping over!
➤ Always secure tables across the direction of the fork with 2 lashing straps **(A)** to the fork profiles if the fork width b is not complied with or attachments are fitted.



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 headedStripping the formwork)

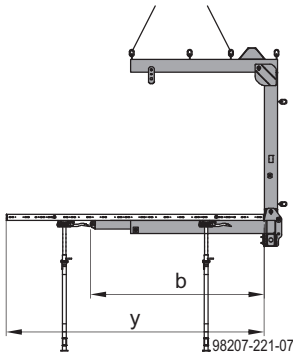


a ... 90, 137, 204 or 227 cm
b ... 275, 324, 373 or 422 cm
h ... 384.6 cm

Permissible working load limit: 1300 kg (2870 lbs)

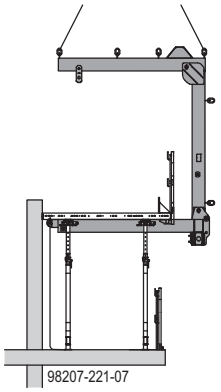
Follow the Operating Instructions!

Table along the direction of the fork



b ... fork length (min. $^2/_3$ of table length y)
y ... length of table

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



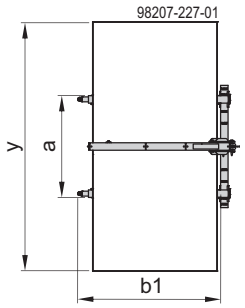


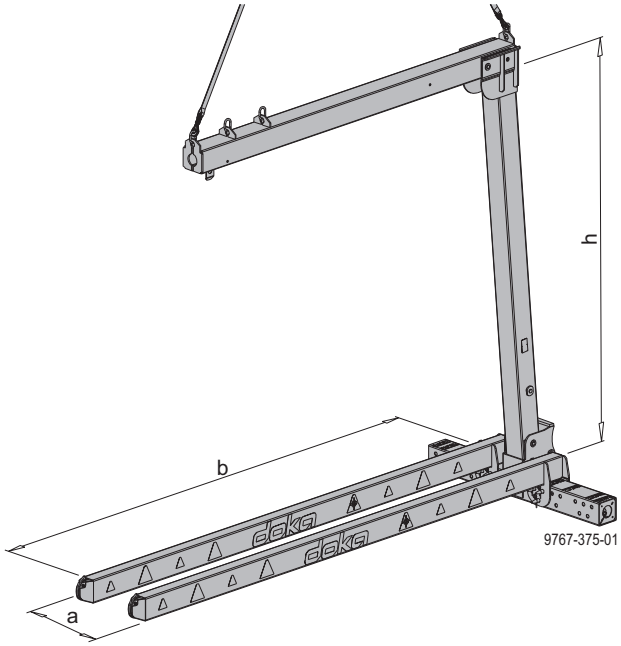
Table length y	Fork width a	Fork length b1
4.00 m	137 cm	275 cm
5.00 m	204 cm	

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

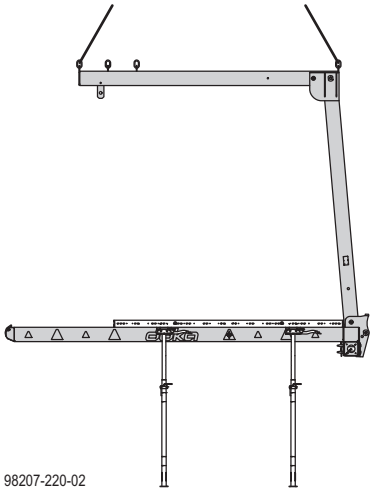
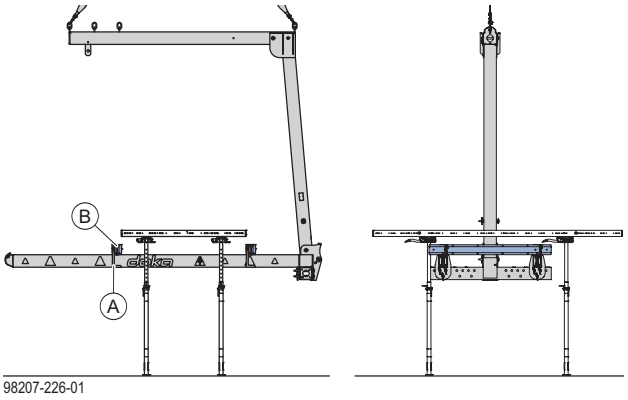


Table across the direction of the fork



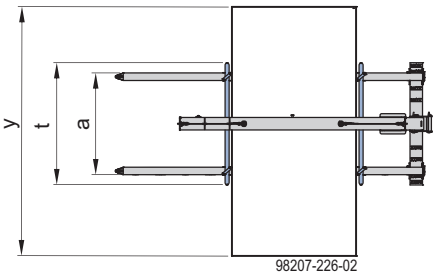


Table length y	Fork width a	Beam length t of the extension
4.00m	137 cm	1.80 m
5.00m	204 cm	2.45 m

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

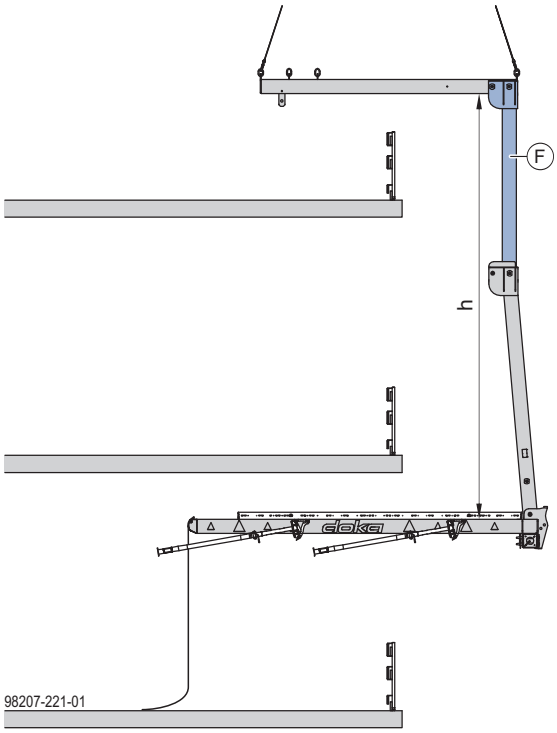
Tableform falling-hazard!

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 tables over two storeys

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



h ... 750 cm

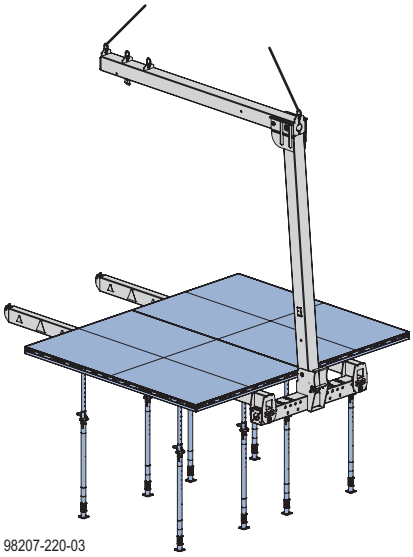
F Vertical extension DM 3.30m

Repositioning of two tables

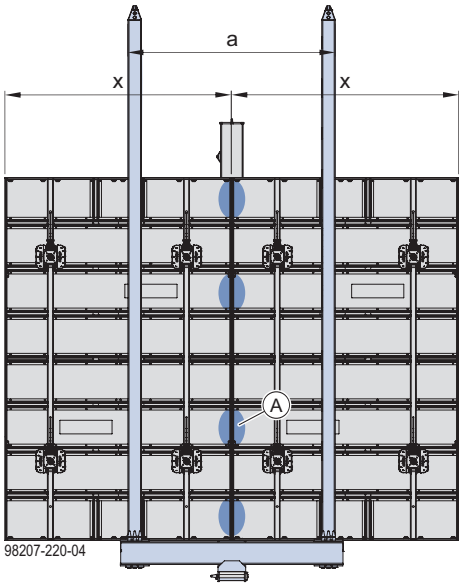
If required, the **Transport fork DM 2.5t adjustable** can be used to reposition 2 DokaXdek tables together.

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

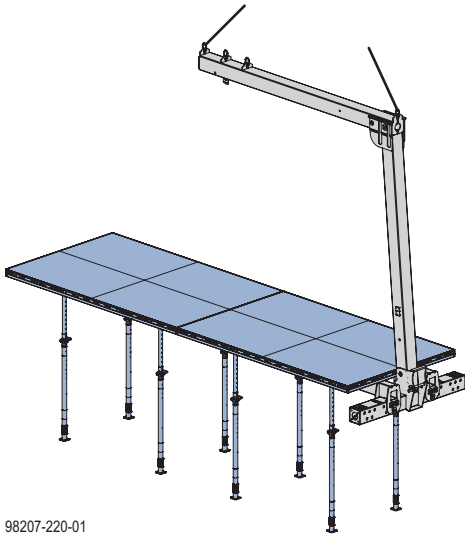
A Centring connector 15.0 and Centring nut 15.0

NOTICE

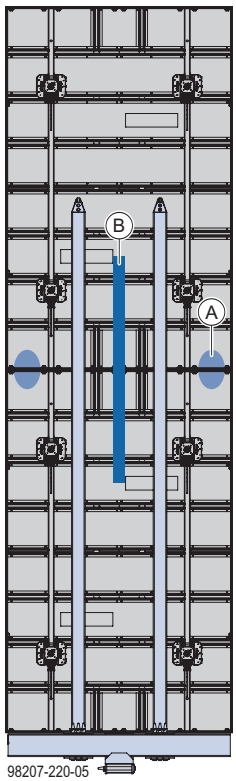
2 tables side by side:

- 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

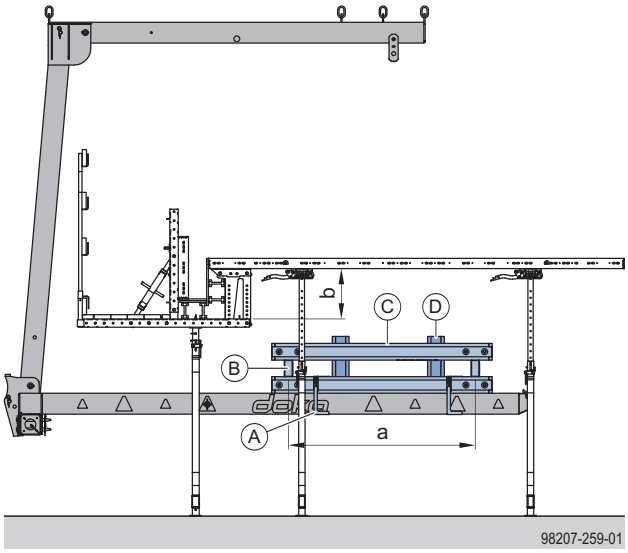
NOTICE

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 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

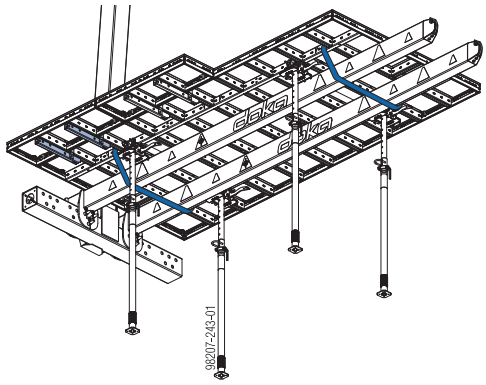
A	Extension clamp H20 for fork
B	Extension profile H20 for fork
C	Doka beam H20 2.65m
D	Doka beams H20 or squared timbers to prevent the table from slipping (length depends on the project)

Repositioning tables with table panels installed:

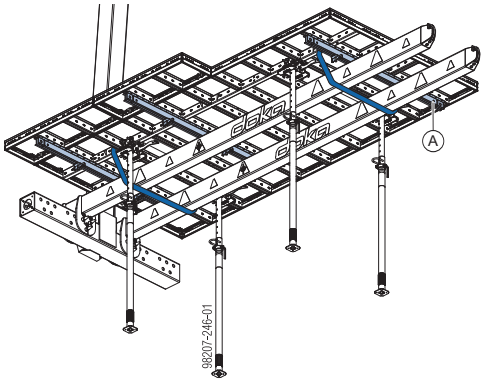
NOTICE

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

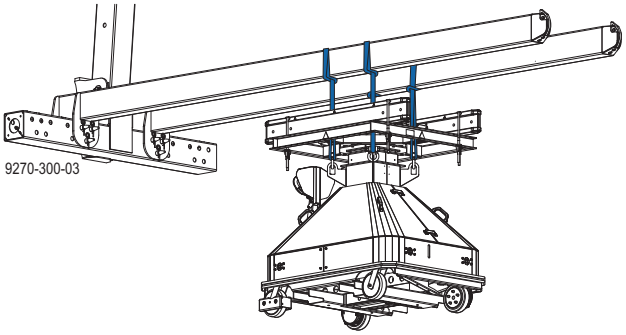
Framax transport bolt:

➤ 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.

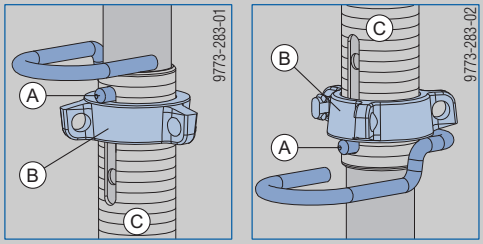


Repositioning operation

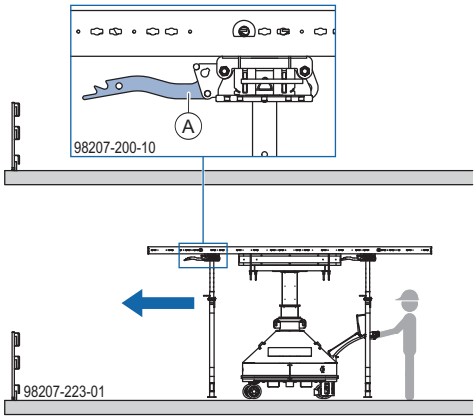
CAUTION

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

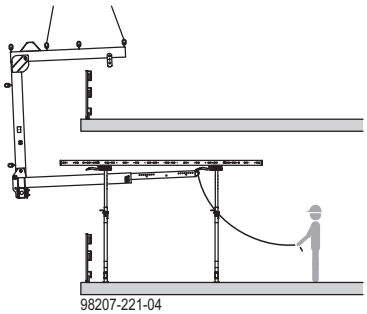
Risk of tipping over if floor props are extended to different lengths!

➤ 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).

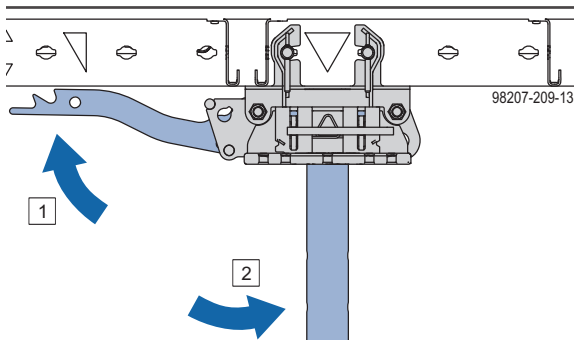
➤ Manoeuvre the transport fork under the table.



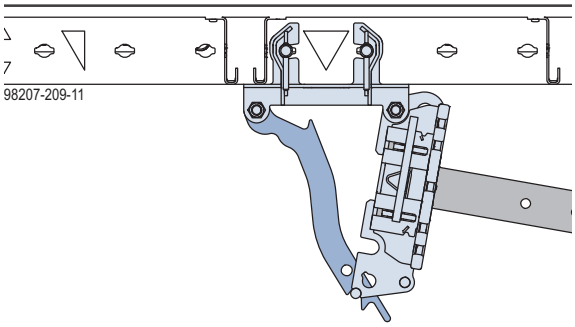
➤ Pick up the table with the transport fork.

➤ 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).

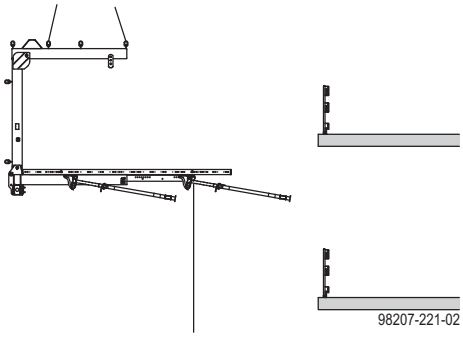
➤ Tilt up the prop.



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

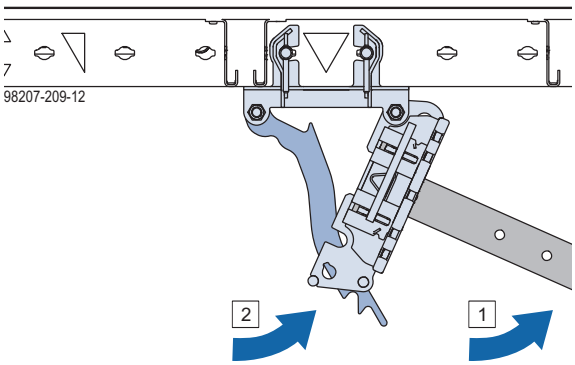


➤ Move the table out and lift it to its new location.



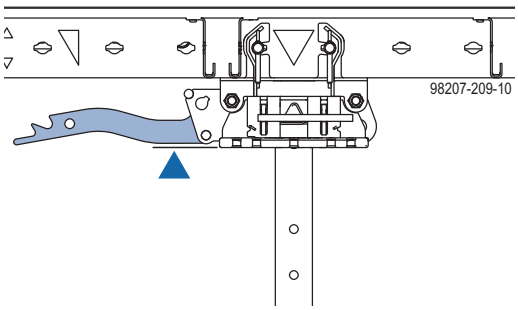
➤ Slightly raise the floor prop.

➤ 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!

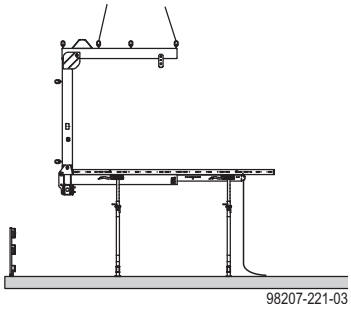


CAUTION

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

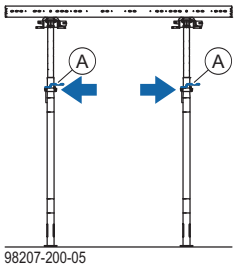
➤ Before setting down the table, make sure that all the floor props are extended to the same length.

➤ 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.

➤ Use only moderate force when striking with the Plastic mallet 4kg. Max. mallet backswing distance 50 cm!

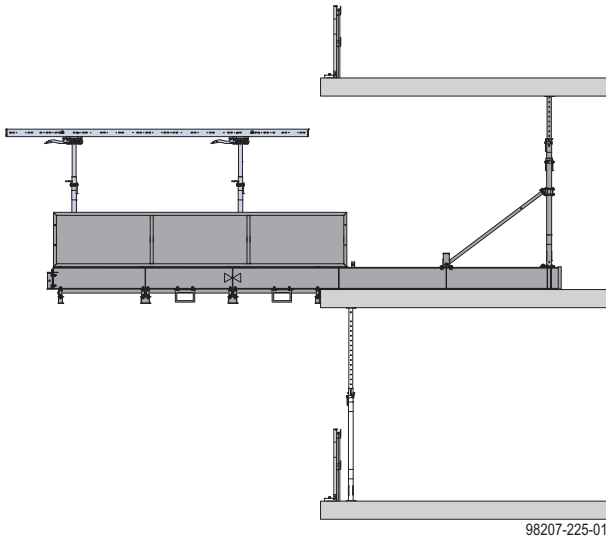
➤ Give just one knock to each floor prop at a time, then move on to the next prop!

➤ 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.

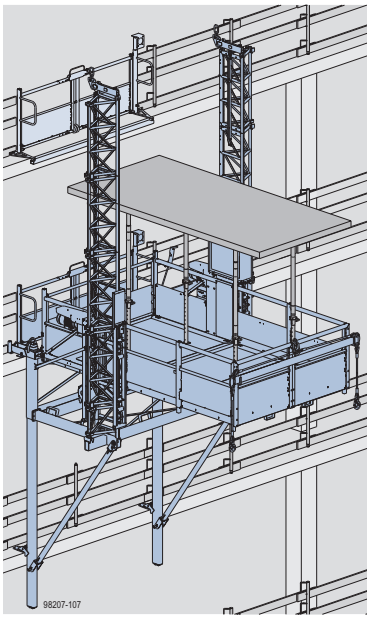


Follow the directions in the 'Doka loading platform 2.95x4.50m 5.0t' User Information booklet.

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

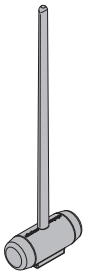
NOTICE

- Before lining-and-levelling, check whether all the floor props are under load. Only props that are actually standing on the ground can be lined-and-levelled.
- 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.

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.

➤ Use only moderate force when striking with the Plastic mallet 4kg. Max. mallet backswing distance 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

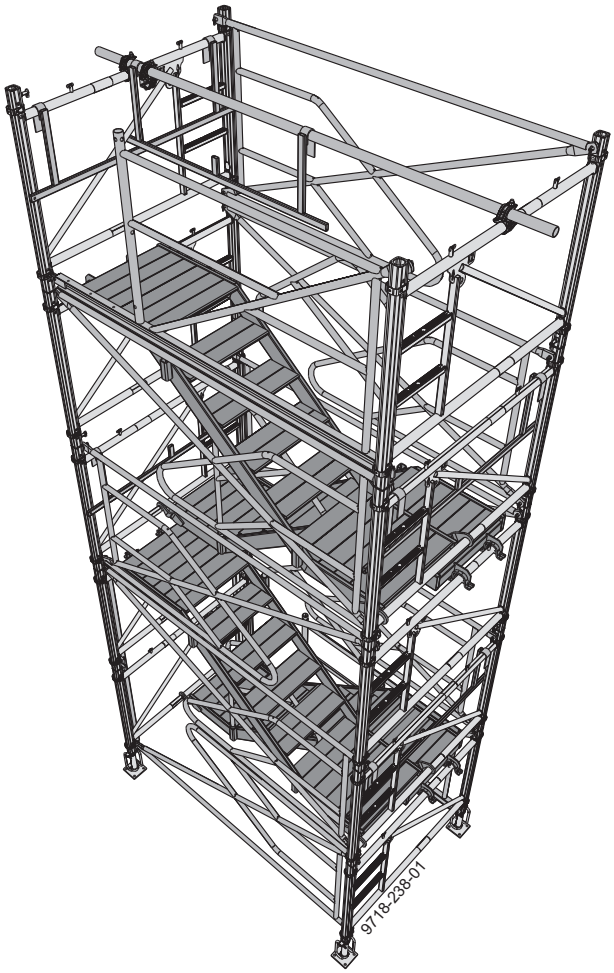
The DokaXdek table enables a seamless transition to the DokaXdek handset system.

Follow the directions in the 'DokaXdek panel floor formwork' User Information booklet.

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

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

Access systems



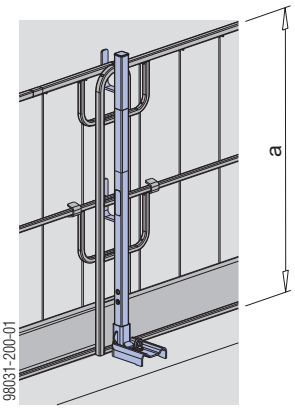
Note:
The ladder system must be implemented in such a way that all national regulations are complied with.

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

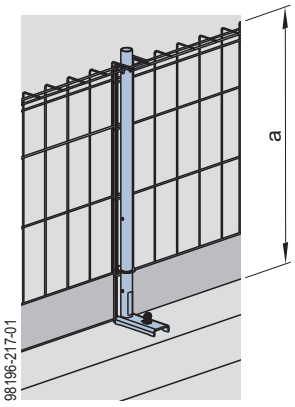


a ... > 1.00 m

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

Xsafe edge protection Z

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

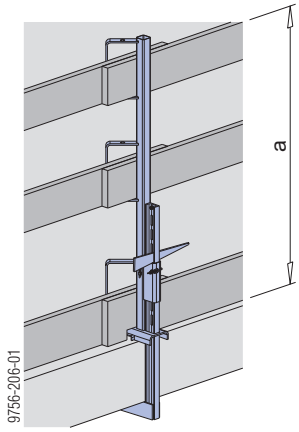


a ... > 1.17 m

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

Handrail clamp S

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

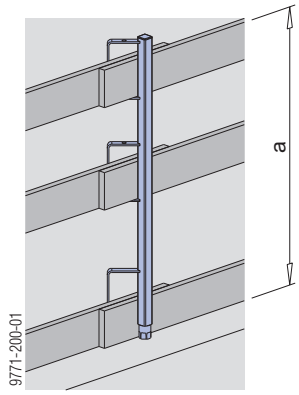


a ... > 1.00 m

Follow the directions in the “Handrail clamp S” User information!

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

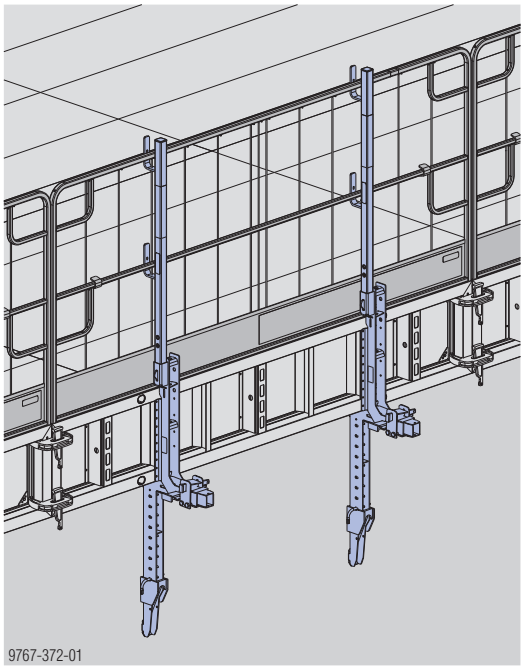


a ... > 1.00 m

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

Doka floor end-shutter clamp

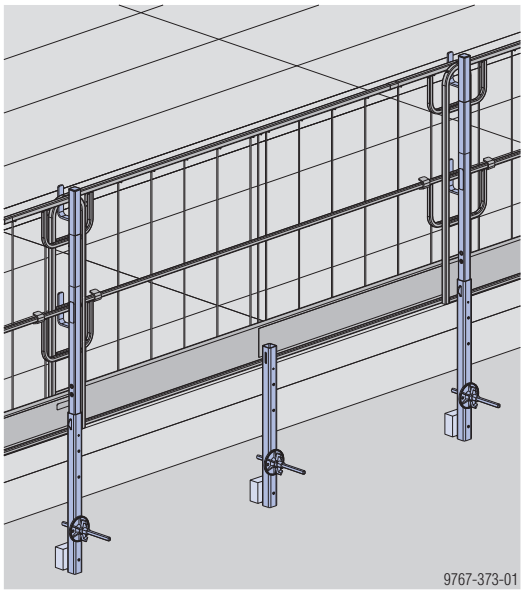
- Slab stop-ends and fall-arrest barriers in one system



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

Floor end-shutter profile XP

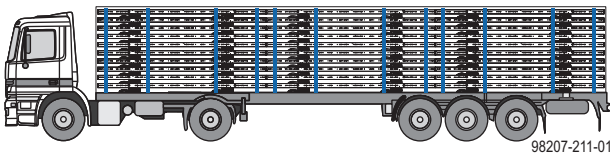
- Slab stop-ends and safety barriers in one system



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

Transporting, stacking and storing

DokaXdek tables



NOTICE

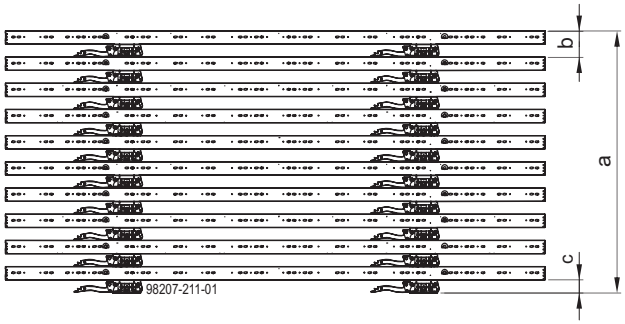
Transport:

- 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.

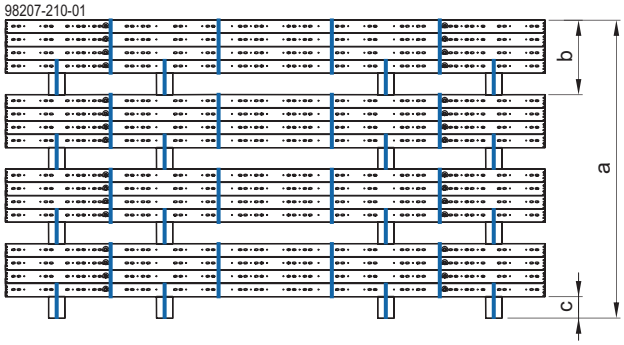
Stack of tables with swivel heads



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.

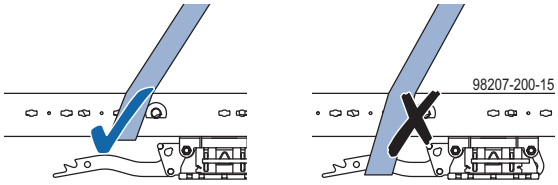
- **Permissible working load limit:**
  2000 kg / Dokamatic lifting strap 13.00m
- Max. number of tables with swivel heads: 6
- Max. number of tables bundled in a stack: 4

WARNING

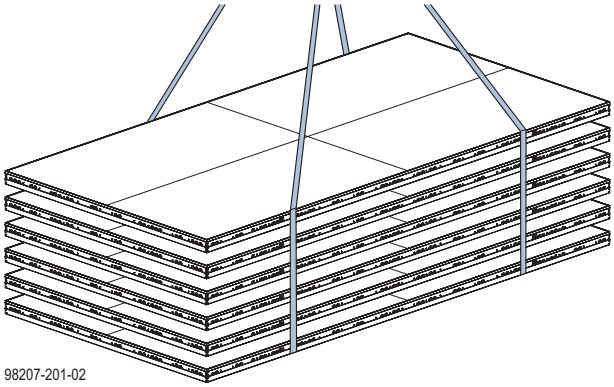
- ➤ The Lifting straps 13.00m may only be used as shown if there is no risk of the straps sliding towards one another, or of the load being displaced.
- ➤ The transport of connected tables is prohibited!

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

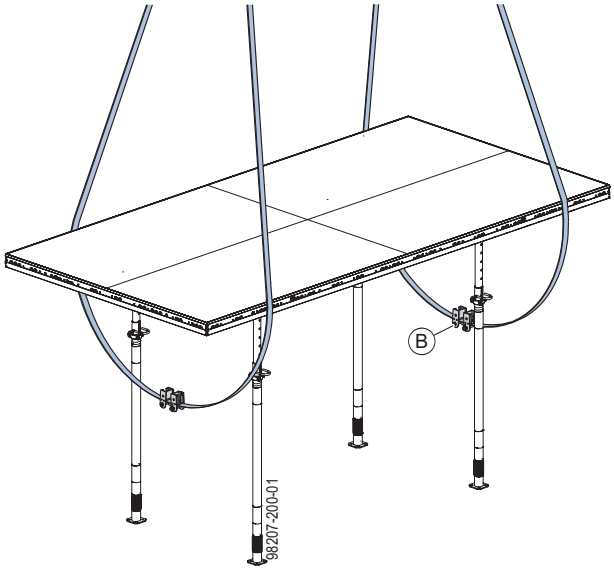
Correct position of the lifting strap at the table underside



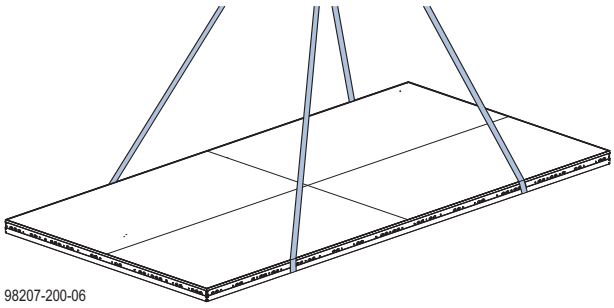
Lifting of stacks



Lifting single tables



B Strap shoes

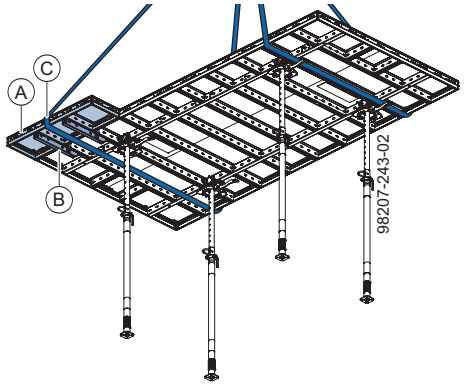


The strap shoes can either remain on the strap, or be detached from it as needed.

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

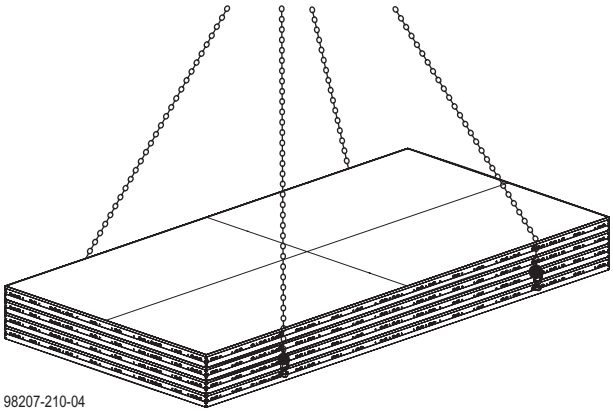
- **4** Framax transport bolts are always needed per repositioning unit!

WARNING

Framax transport bolt:

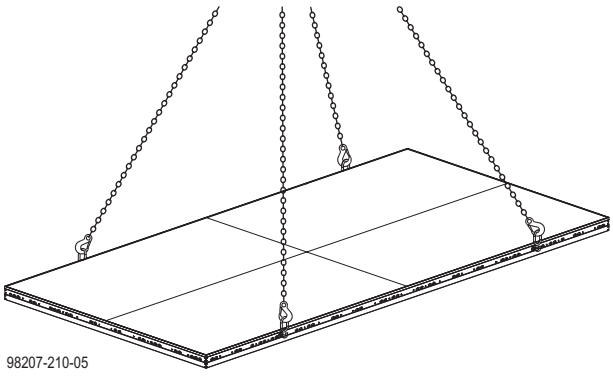
➤ The transport of connected tables and tables with table panels is prohibited!

Repositioning of stacks



98207-210-04

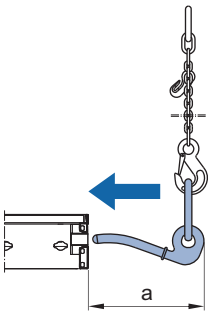
Repositioning single tables



98207-210-05

Repositioning procedure:

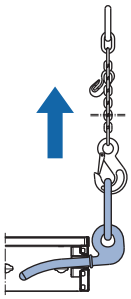
➤ Push all 4 Framax transport bolts into the crane lifting points of the table as far as they will go. When repositioning stacks, always insert the bolts in the bottom table.



98207-200-08

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

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



98207-200-08

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

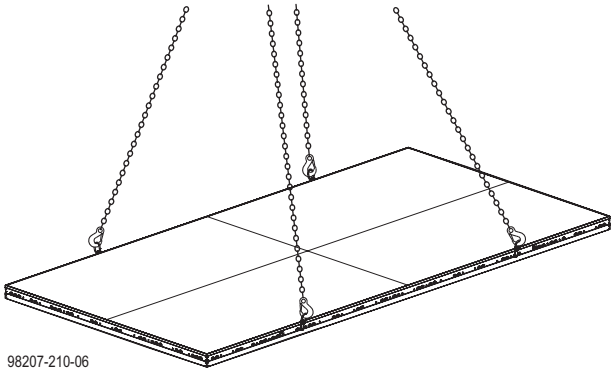
Frami transport hook with Doka 4-part chain 3.20m

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

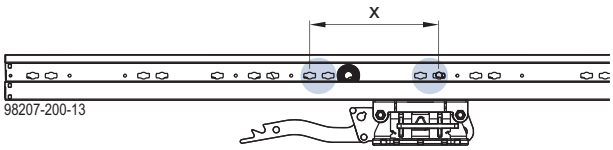
- Reposition only one table at a time.
- **4** Frami transport hooks are always needed per repositioning unit!
- Arrange Frami transport hooks symmetrically (short or long side)! Pay attention to the centre of gravity of the table!



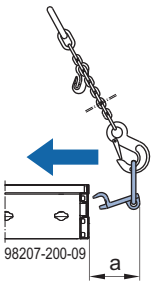
Repositioning procedure:

➤ 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

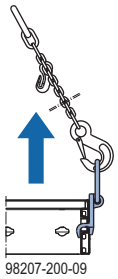


x ... hook-fixing zone: 2 cross holes to left and right of the lifting point for transport bolt

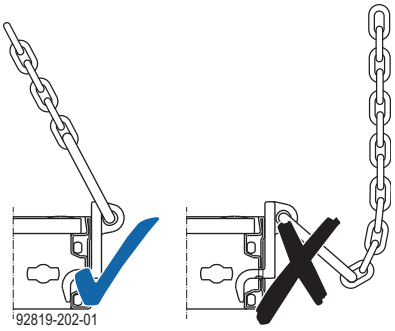


a ... required space for insertion min. 10 cm

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



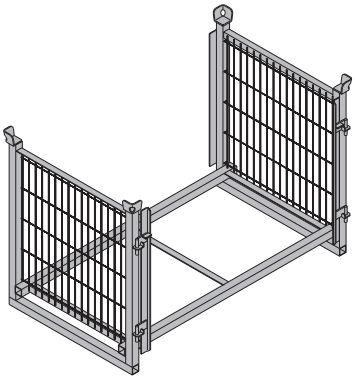
- Position the crane approximately in the centre above the table.
- First hook two transport hooks onto one side of the table. Then hook the other two transport hooks onto the other side of the table.
- Ensure that the chain does not sag or rest on the table.



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.

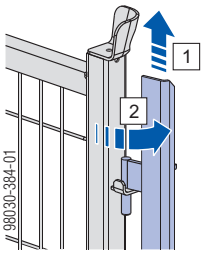


Frami pallet 1.50m:
- Permissible load-bearing capacity: 800 kg (1760 lbs)
- Permitted imposed stacking load: 3500 kg (7700 lbs)

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

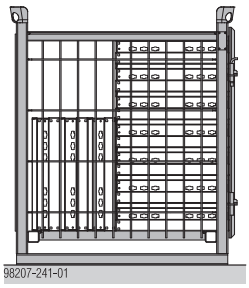
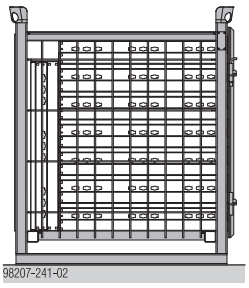
NOTICE

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

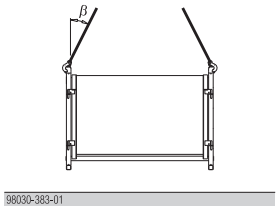
Using pallets as transport devices

Lifting by crane

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

NOTICE

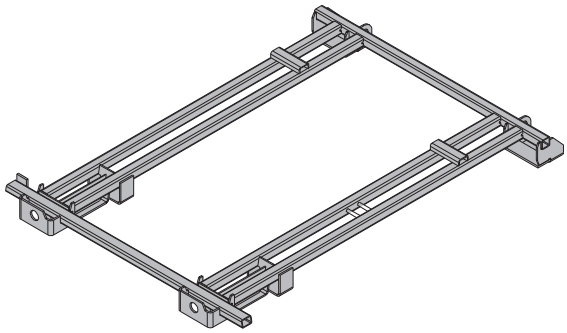
- Multi-trip packaging items must be lifted individually.
- Use suitable lifting chains (e.g. Doka 4-part chain 3.20m). Do not exceed the permitted working load limit.
- Sling angle β max. 30°!



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:

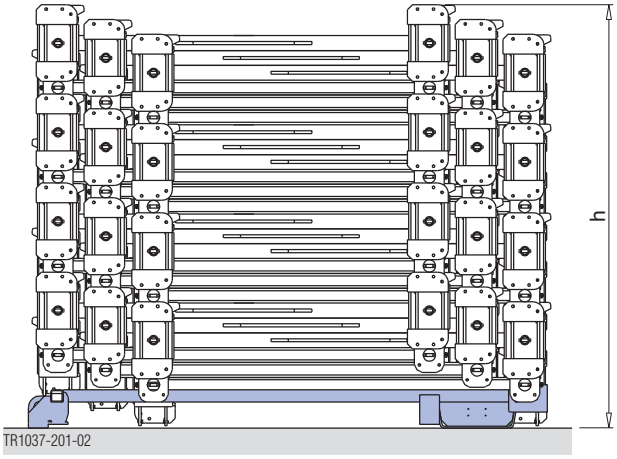
- Crane
- Pallet truck
- Forklift truck

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!

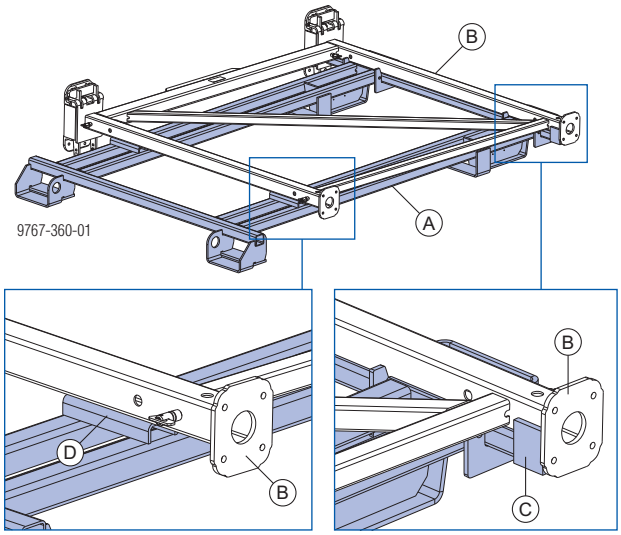
Stacking the table frames



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

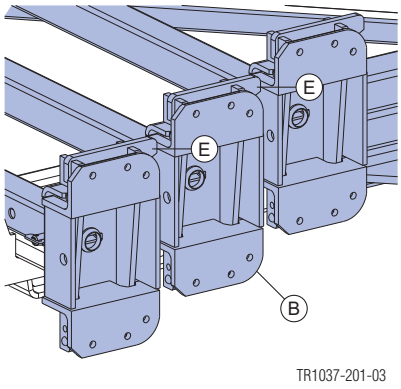
Loading the transport device

➤ 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.

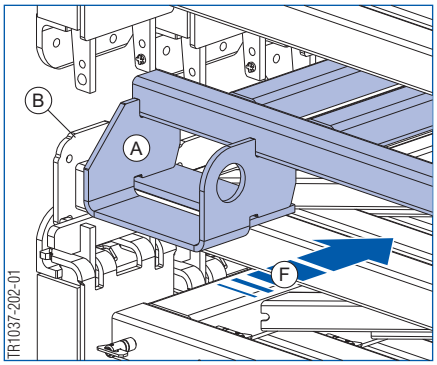
Dokamatic table-frame pallet 2.15x1.60m as a storage unit

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%



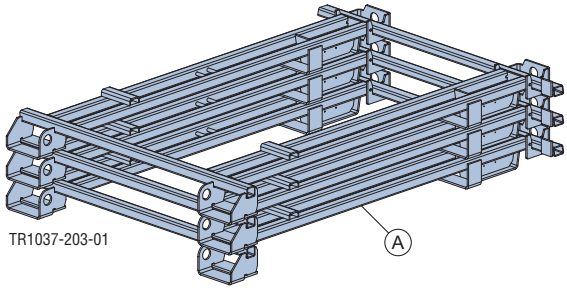
A Dokamatic table-frame pallet 2.15x1.60m
B Table frame 1.50m or Dokamatic table frame 1.50m
F Entry direction

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

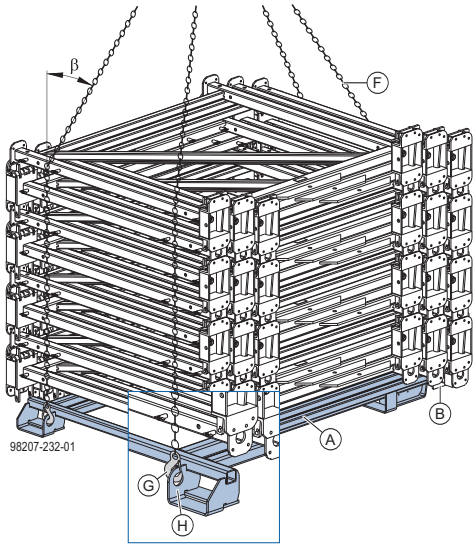
WARNING

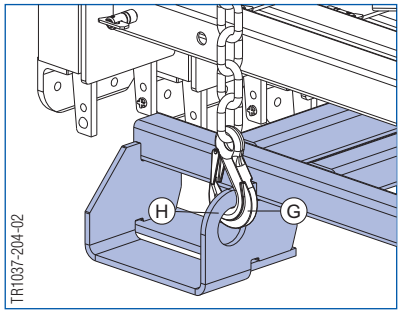
Do not attach the lifting chains to the table frames!

➤ 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°!





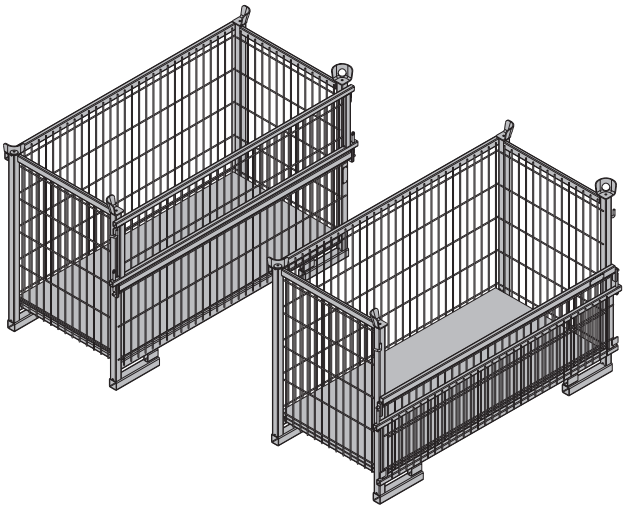
A Dokamatic table-frame pallet 2.15x1.60m
B Table frame 1.50m or Dokamatic table frame 1.50m
G Doka 4-part chain 3.20m
H Crane lifting point

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.

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

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

Max. n° of units on top of one another

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

NOTICE

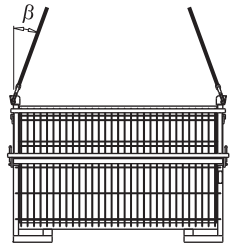
Stacked multi-trip boxes or pallets must have the heaviest boxes at the bottom and the lightest at the top.

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

Lifting by crane

NOTICE

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



9234-203-01

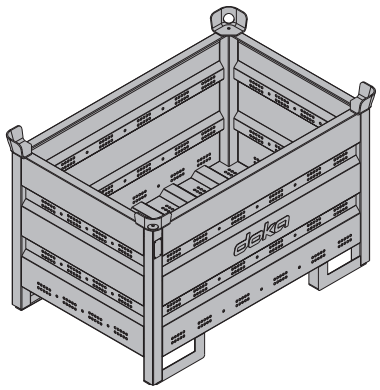
Repositioning by forklift truck or pallet stacking truck

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

Doka multi-trip transport box

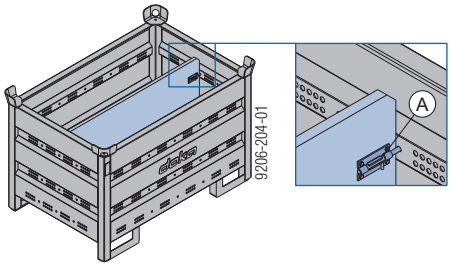
Storage and transport device for small items

Doka multi-trip transport box 1.20x0.80m



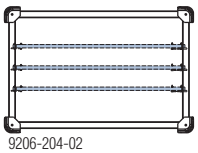
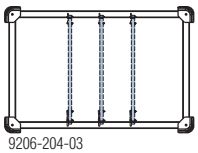
Permitted load-bearing capacity: 1500 kg (3300 lbs)
Permitted imposed stacking load: 7850 kg (17300 lbs)

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

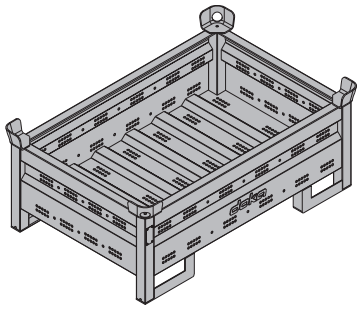


A Slide-bolt for fixing the partition

Possible ways of dividing the box

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

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



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

Using Doka multi-trip transport boxes as storage units

Max. n° of units on top of one another

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

NOTICE

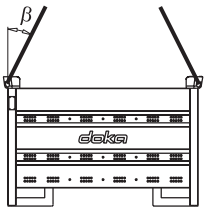
Stacked multi-trip boxes or pallets must have the heaviest boxes at the bottom and the lightest at the top.

Using Doka multi-trip transport boxes as transport devices

Lifting by crane

NOTICE

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



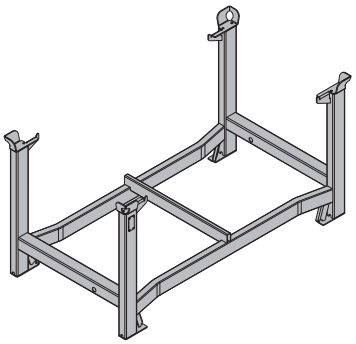
9206-202-01

Repositioning by forklift truck or pallet stacking truck

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

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

Storage and transport device for long items.



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

Using Doka stacking pallets as storage units

Max. 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
Empty multi-trip packagings must not be stacked on top of one another!	

NOTICE

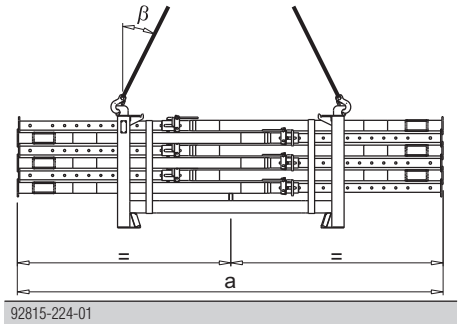
- Stacked multi-trip packagings with widely differing loads must have the heaviest boxes at the bottom and the lightest at the top!
- No castor wheels may be fitted to the bottom multi-trip packaging item in the stack.
- Secure multi-trip packagings with installed castor wheels using the fixing brake when setting down.

Using Doka stacking pallets as transport devices

Lifting by crane

NOTICE

- Multi-trip packaging items must be lifted individually.
- Use suitable lifting chains:
  - e.g. Doka 4-part chain 3.20m
  - Do not exceed the permitted working load limit of the lifting chains.
- Load the items centrically.
- 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

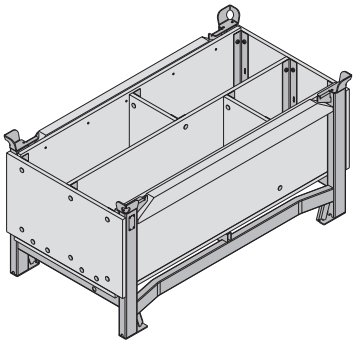
Repositioning by forklift truck or pallet stacking truck

NOTICE

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

Doka accessory box

Storage and transport device for small items.



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

Doka accessory boxes as storage units

Max. 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

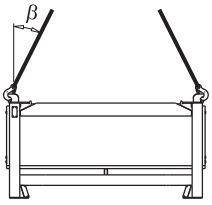
- Stacked multi-trip boxes or pallets must have the heaviest boxes at the bottom and the lightest at the top!
- Castor wheels must not be fitted to the bottom multi-trip packaging in the stack.
- Secure multi-trip packagings with installed castor wheels using the fixing brake when parking.

Doka accessory box as transport devices

Lifting by crane

NOTICE

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



92816-206-01

Repositioning by forklift truck or pallet stacking truck

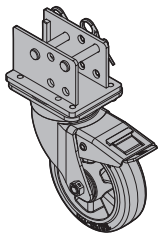
The forks can be inserted under either the broadside or the narrowside of the containers.

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 multi-trip transport box 1.20x0.80m
  - Doka skeleton transport box 1.70x0.80m
  - DokaXdek panel pallets (all sizes)
  - Superdek beam pallet 1.22x1.10m

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

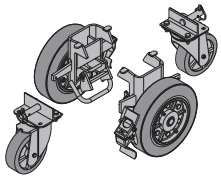


Bolt-on castor set B

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!



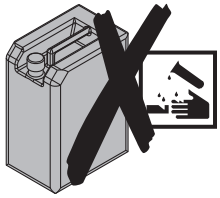
Cleaning and care of your equipment

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

WARNING
➤ Risk of slippage when surface is wet!

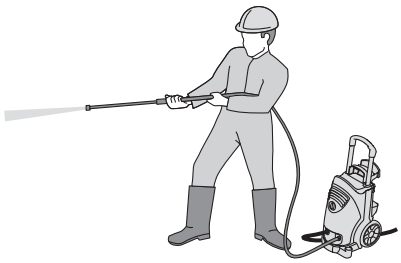
Cleaning

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

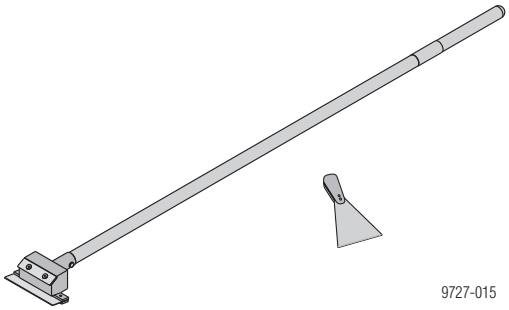
High-pressure spray cleaner



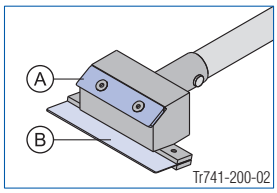
NOTICE
- Appliance pressure rating: 200 to max. 300 bar
- Keep the water-jet the correct distance from the formwork, and move it at the right speed:
  - The higher the pressure, the further away from the formwork you must keep the jet and the faster you must move it across the surface.
- Do not aim the 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.

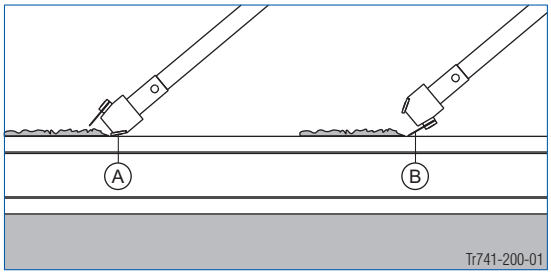
Concrete scraper

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



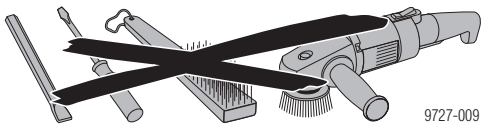
Functional description:



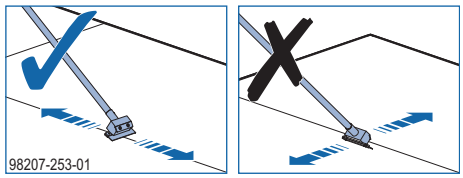


A Blade for dealing with heavy soiling
B Blade for dealing with slight soiling

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

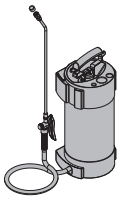


- Always clean the panel with the scraper **along the edge** to ensure its longevity.



Release agents

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



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

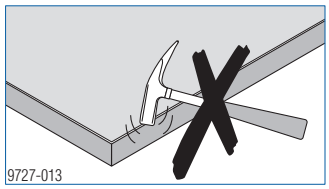
NOTICE

- Before every pour:
  - Apply 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.

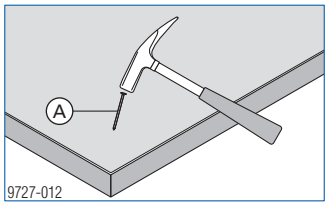
To determine the right dosage and to make sure that you are using the agent correctly, test it on less important parts of the structure first.

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:

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

Slab thickness d [m]	Dead load $DL_{concrete}$ [kN/m²]	Load factor α $LL_{final\ state}$ 2.00 kN/m²	3.00 kN/m²	4.00 kN/m²	5.00 kN/m²
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 $DL_{finishing}$ = 2.00 kN/m² and a live load in the early-stripped state of $LL_{construction\ state}$ = 1.50 kN/m²

$DL_{concrete}$: calculated with $\gamma_{concrete}$ = 25 kN/m³
$DL_{finishing}$: load for floor finish, etc.

Example: Slab thickness 0.20 m with a final live load of 5.00 kN/m² 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.

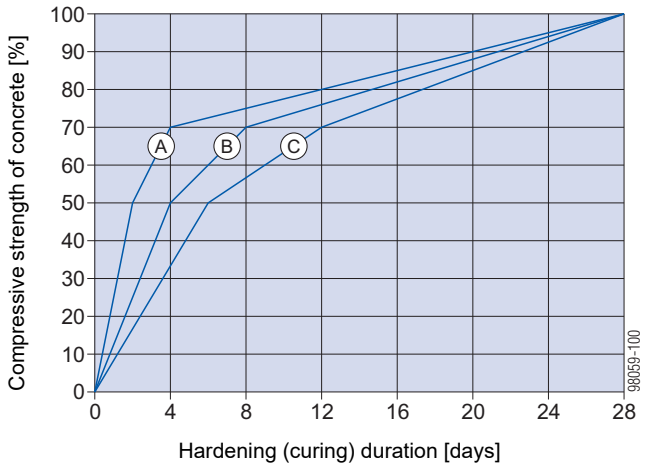
Strength development in the new concrete

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 $\vartheta \geq 15°$

B $\vartheta \geq 10°$

C $\vartheta \geq 5°$

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

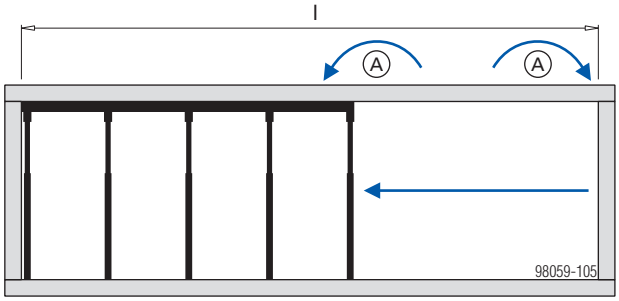
In the case of thin, wide-spanned concrete floor-slabs (e.g. in multistorey car parks), the following points must be remembered:

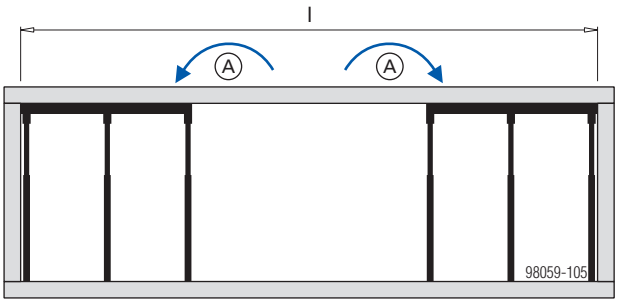
- When the formwork beneath these floor-slab spans is released (i.e. when the load is taken off the floor props), the floor props that are still in place are briefly subjected to additional loads. This may lead to overloading, and to the floor props being damaged.
- Contact Doka!

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

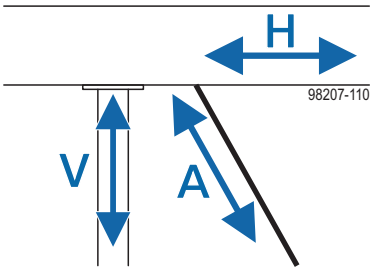
Horizontal loads imposed while the concrete is being poured are considerably higher than the horizontal loads imposed during installation. Consequently appropriate measures are required to transfer them, for example:

- 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.

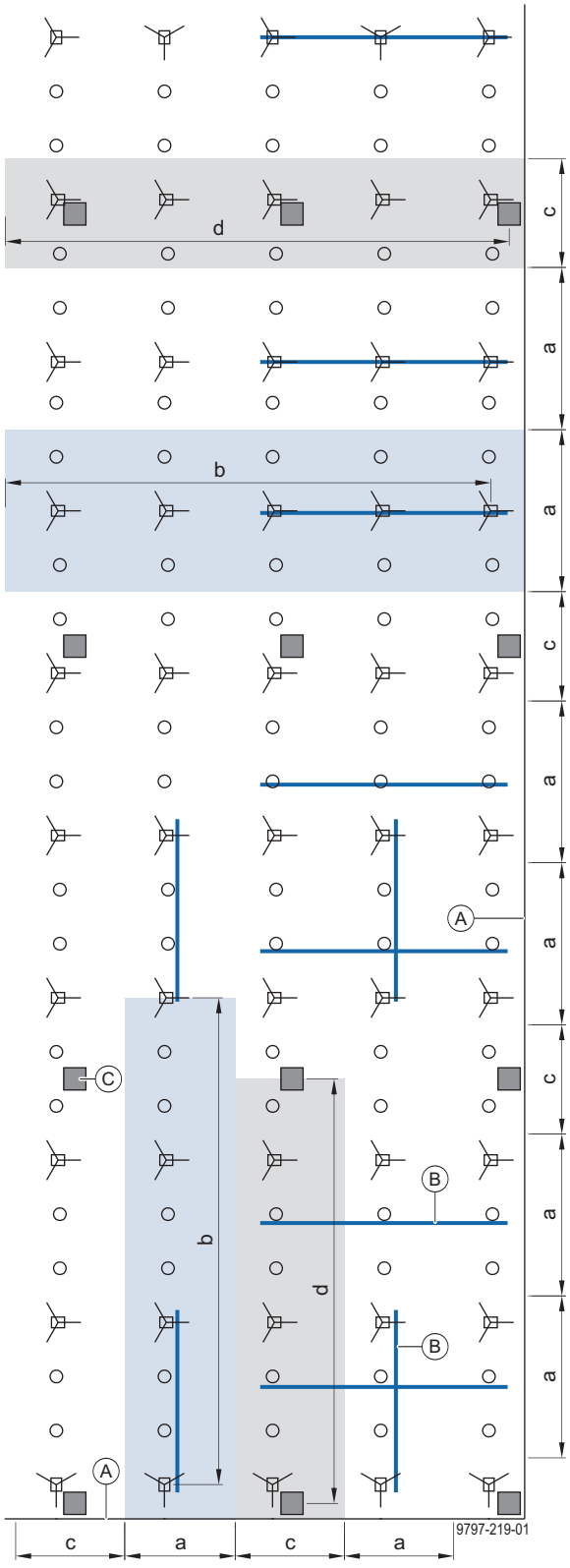
NOTICE

- 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 [m²]									
	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	—	—	—	—	—	—	—

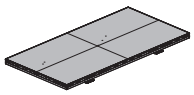
Notes on utilisation for the table:

- 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.

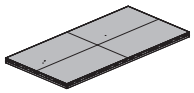
Example: Slab thickness 30 cm and bracing with lashing straps

- 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.

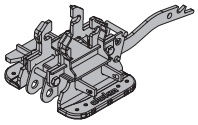
	[kg]	Article N°
DokaXdek table 2.50x5.00m	**610.0**	**584100000**
DokaXdek table 2.00x5.00m	**535.0**	**584101000**
DokaXdek table 2.50x4.00m	**510.0**	**584102000**
DokaXdek table 2.00x4.00m	**450.0**	**584103000**
DokaXdek-Tisch		
Galvanised Painted yellow Grey		



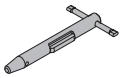
DokaXdek table 2.50x5.00m ES	**540.0**	**584104000**
DokaXdek table 2.00x5.00m ES	**465.0**	**584105000**
DokaXdek table 2.50x4.00m ES	**440.0**	**584106000**
DokaXdek table 2.00x4.00m ES	**380.0**	**584107000**
DokaXdek-Tisch ES		
Galvanised Painted yellow Grey		



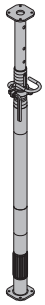
DokaXdek swivel head	**17.0**	**584108000**
DokaXdek-Schwenkkopf		
Galvanised		



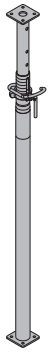
Safety pin D20 195	**0.47**	**584110000**
Sicherungsbolzen D20 195		
Galvanised		



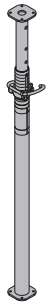
Doka floor prop Eurex 30 top 250	**12.8**	**586092400**
Length: 148 - 250 cm		
Doka floor prop Eurex 30 top 300	**16.4**	**586093400**
Length: 173 - 300 cm		
Doka floor prop Eurex 30 top 350	**20.7**	**586094400**
Length: 198 - 350 cm		
Doka floor prop Eurex 30 top 400	**24.6**	**586095400**
Length: 223 - 400 cm		
Doka floor prop Eurex 30 top 450	**29.1**	**586119400**
Length: 248 - 450 cm		
Doka floor prop Eurex 30 top 550	**38.6**	**586129000**
Length: 303 - 550 cm		
Doka-Deckenstütze Eurex 30 top		
Galvanised		



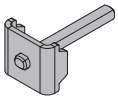
Doka floor prop Eurex 30 eco 250	**12.8**	**586000000**
Length: 148 - 250 cm		
Doka floor prop Eurex 30 eco 300	**16.3**	**586001000**
Length: 173 - 300 cm		
Doka floor prop Eurex 30 eco 350	**20.7**	**586002000**
Length: 198 - 350 cm		
Doka floor prop Eurex 30 eco 400	**24.2**	**586003000**
Length: 223 - 400 cm		
Doka floor prop Eurex 30 eco 450	**28.5**	**586004000**
Length: 248 - 450 cm		
Doka-Deckenstütze Eurex 30 eco		
Galvanised		



Doka floor prop Eurex 30 400	**24.9**	**586095000**
Length: 227 - 400 cm		
Doka floor prop Eurex 30 450	**29.2**	**586119000**
Length: 248 - 450 cm		
Doka-Deckenstütze Eurex 30		
Galvanised		

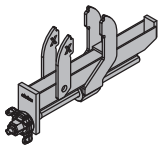


Centring connector 15.0	**0.45**	**584111000**
Zentrierverbinder 15,0		
Galvanised Length: 12.6 cm		

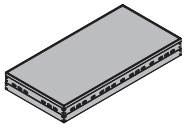


Centring nut 15.0	**0.36**	**584112000**
Zentriermutter 15,0		
Galvanised Height: 5 cm Diameter: 6.6 cm Width-across: 27 mm		

DokaXdek adjustable clamp T	**3.7**	**584130000**
DokaXdek-Ausgleichsspanner T		
Galvanised Length: 40 cm		

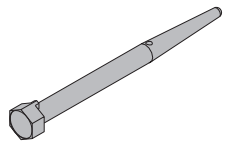
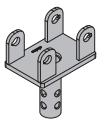
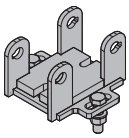
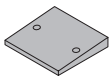
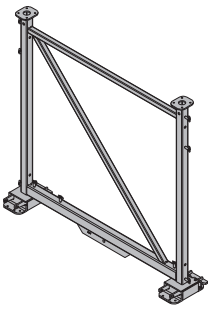
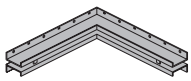


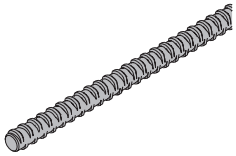
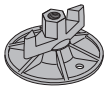
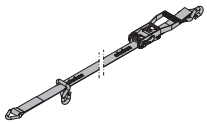
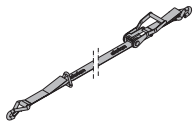
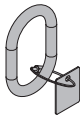
DokaXdek table panel 0.50x1.00m	**23.3**	**584128000**
DokaXdek table panel 0.75x1.00m	**39.5**	**584127000**
DokaXdek table panel 0.50x1.50m	**36.5**	**584126000**
DokaXdek table panel 0.75x1.50m	**53.0**	**584125000**
DokaXdek-Tischelement		
Galvanised Painted yellow Grey		

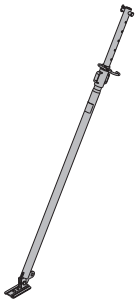
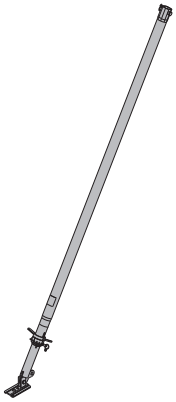
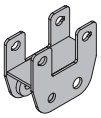
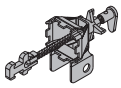
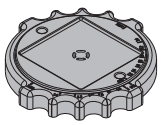
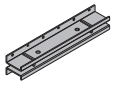


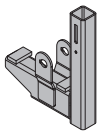
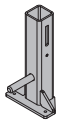
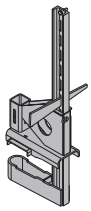
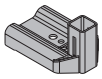
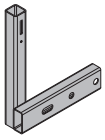
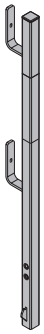
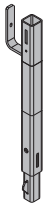
	[kg]	Article N°
DokaXdek universal waling T 2.30m DokaXdek-Klemmschiene T 2,30m Painted blue	**25.5**	**584131000**
Framax wedge clamp Framax-Spannklemme Galvanised Length: 21 cm	**1.5**	**588152000**
DokaXdek suspension clamp T 18mm DokaXdek-Einhängebügel T 18mm Galvanised Powder-coated grey Height: 43 cm	**2.3**	**584113000**
DokaXdek suspension clamp T 21mm DokaXdek-Einhängebügel T 21mm Galvanised Powder-coated yellow Height: 43 cm	**2.3**	**584114000**
DokaXdek suspension clamp T 27mm DokaXdek-Einhängebügel T 27mm Galvanised Powder-coated grey Height: 43 cm	**2.5**	**584115000**
DokaXdek squared timber support 8x10cm DokaXdek-Kantholzauflager 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**
DokaXdek beam support H20 21mm DokaXdek-Trägerauflager H20 21mm Galvanised Powder-coated yellow Width: 12.5 cm Height: 21.5 cm	**2.6**	**584117000**

	[kg]	Article N°
DokaXdek beam support H20 27mm DokaXdek-Trägerauflager H20 27mm Galvanised Powder-coated grey Width: 12.5 cm Height: 21.5 cm	**2.6**	**584118000**
Supporting head H20 DF Haltekopf H20 DF Galvanised Length: 19 cm Width: 11 cm Height: 8 cm	**0.77**	**586179000**
Spring locked connecting pin 16mm Federbolzen 16mm Galvanised Length: 15 cm	**0.25**	**582528000**
DokaXdek prop connection T DokaXdek-Stützenanschluss T Galvanised Height: 23 cm	**2.9**	**584134000**
DokaXdek prop-connection plate T DokaXdek-Stützenanschlussplatte T Galvanised Length: 18 cm Width: 15 cm Height: 1 cm	**1.2**	**584135000**
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**
Dokamatic platform bracket 1.00m Dokamatic-Bühnenkonsole 1,00m Galvanised Length: 112 cm Height: 124 cm	**19.5**	**586227000**
DokaXdek platform adapter T DokaXdek-Bühnenadapter T Galvanised Length: 72.4 cm	**5.7**	**584121000**
Connecting pin 10cm Verbindungsbolzen 10cm Galvanised Length: 14 cm	**0.34**	**580201000**

	[kg]	Article N°
Connecting pin 25cm Verbindungsbolzen 25cm Galvanised Length: 25 cm 	0.58	580202000
Spring cotter 5mm Federvorstecker 5mm Galvanised Length: 13 cm 	0.03	580204000
DokaXdek scaffold connector T DokaXdek-Gerüstanschluss T Galvanised Height: 22.8 cm 	3.2	584123000
DokaXdek spindle connector T DokaXdek-Spindelanschluss T Galvanised Height: 10.2 cm 	4.8	584124000
DokaXdek wedge for screw jack T ..... % DokaXdek-Spindelkeil T ..... % Length: 19.5 cm Width: 21 cm 	0.35	176002000
Table frame 1.50m Tischrahmen 1,50m Galvanised 	60.0	586224500
Framax universal corner waling Framax-Eckklemmschiene Painted blue Length: 60 cm Width: 60 cm 	12.8	588151000

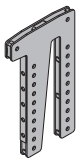
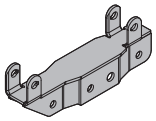
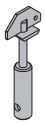
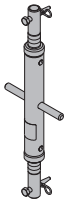
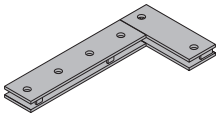
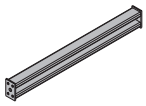
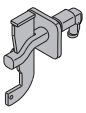
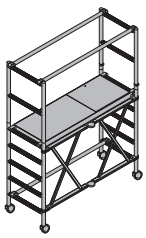
	[kg]	Article N°
Tie rod 15.0mm galvanised 0.50m	0.72	581821000
Tie rod 15.0mm galvanised 0.75m	1.1	581822000
Tie rod 15.0mm galvanised 1.00m	1.4	581823000
Tie rod 15.0mm galvanised 1.25m	1.8	581826000
Tie rod 15.0mm galvanised 1.50m	2.2	581827000
Tie rod 15.0mm galvanised 1.75m	2.5	581828000
Tie rod 15.0mm galvanised 2.00m	2.9	581829000
Tie rod 15.0mm galvanised 2.50m	3.6	581852000
Tie rod 15.0mm galvanised .....m	1.4	581824000
Tie rod 15.0mm non-treated 0.50m	0.73	581870000
Tie rod 15.0mm non-treated 0.75m	1.1	581871000
Tie rod 15.0mm non-treated 1.00m	1.4	581874000
Tie rod 15.0mm non-treated 1.25m	1.8	581886000
Tie rod 15.0mm non-treated 1.50m	2.1	581876000
Tie rod 15.0mm non-treated 1.75m	2.5	581887000
Tie rod 15.0mm non-treated 2.00m	2.9	581875000
Tie rod 15.0mm non-treated 2.50m	3.6	581877000
Tie rod 15.0mm non-treated 3.00m	4.3	581878000
Tie rod 15.0mm non-treated 3.50m	5.0	581888000
Tie rod 15.0mm non-treated 4.00m	5.7	581879000
Tie rod 15.0mm non-treated 5.00m	7.2	581880000
Tie rod 15.0mm non-treated 6.00m	8.6	581881000
Tie rod 15.0mm non-treated .....m	1.4	581873000
Ankerstab 15,0mm 		DIN 18216
Super plate 15.0 Superplatte 15,0 Galvanised Height: 6 cm Diameter: 12 cm Width-across: 27 mm 	0.98	581966000
		DIN 18216
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
Lashing strap 5.00m Zurrgurt 5,00m Yellow 	2.8	586018000
Suspension link A18 Aufhängeglied A18 Galvanised Follow the directions in the "Operating Instructions"! 	0.87	581368000
		CE
Doka express anchor 16x125mm Doka-Expressanker 16x125mm Galvanised Length: 18 cm 	0.31	588631000

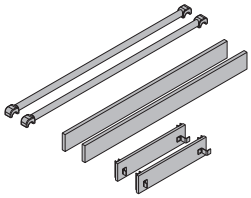
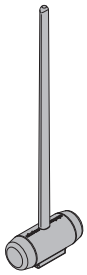
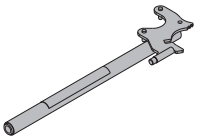
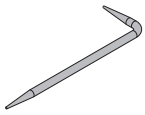
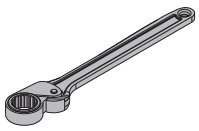
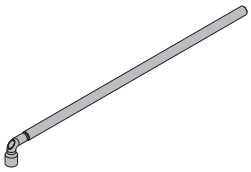
	[kg]	Article N°
Doka coil 16mm Doka-Coil 16mm Galvanised Diameter: 1.6 cm 	0.009	588633000
Information plate for express anchor Plakette Expressanker PS Width: 8 cm Height: 7.5 cm 	0.004	588630000
Plumbing strut 340 IB Justierstütze 340 IB Galvanised Length: 190.8 - 341.8 cm 	16.7	588696000
Plumbing strut 540 IB Justierstütze 540 IB Galvanised Length: 310.5 - 549.2 cm 	30.7	588697000
DokaXdek plumbing strut adapter T DokaXdek-Justierstützenadapter T Galvanised Length: 18.5 cm 	3.0	584132000
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
Framax universal waling 0.60m Framax-Klemmschiene 0,60m Painted blue 	6.6	588689000

	[kg]	Article N°
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
Handrail-post shoe XP Geländerschuh XP Galvanised Length: 20 cm 	2.2	586457000
Insertion adapter XP Einschubadapter XP Galvanised Height: 43 cm 	4.1	586478000
Handrail post XP 1.20m Geländersteher XP 1,20m Galvanised Height: 118 cm 	4.1	586460000
Handrail post XP 0.60m Geländersteher XP 0,60m Galvanised Height: 68 cm 	5.0	586462000

	[kg]	Article N°
Handrail post XP 1.80m Geländersteher XP 1,80m Galvanised Height: 176 cm	**6.0**	**586482000**
Toeboard holder XP 1.20m Fußwehrhalter XP 1,20m Galvanised Height: 21 cm	**0.64**	**586461000**
Toeboard holder XP 0.60m Fußwehrhalter XP 0,60m Galvanised Height: 21 cm	**0.77**	**586463000**
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 Galvanised	**22.2** **20.5** **17.4** **12.0**	**586450000** **586451000** **586452000** **586453000**
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 Galvanised	**10.1** **9.5** **8.0** **5.0**	**586466000** **586472000** **586473000** **586491000**
Velcro fastener 30x380mm Klettverschluss 30x380mm Yellow	**0.02**	**586470000**

	[kg]	Article N°
Handrail clamp S Schutzgeländerzwinge S Galvanised Height: 123 - 171 cm	**11.5**	**580470000**
Side handrail clamping unit T Seitenschutzgeländer T Galvanised Length: 115 - 175 cm Height: 112 cm	**29.1**	**580488000**
Handrail post 1.10m Schutzgeländer 1,10m Galvanised Height: 134 cm	**5.5**	**584384000**
Attachable sleeve 24mm Steckhülse 24mm PVC PE Grey Length: 16.5 cm Diameter: 2.7 cm	**0.03**	**584385000**
Screw sleeve 20.0 Schraubhülse 20,0 PP Yellow Length: 20 cm Diameter: 3.1 cm	**0.03**	**584386000**
Doka floor end-shutter clamp Doka-Deckenabschalklemme Galvanised Height: 137 cm	**12.5**	**586239000**
End-shutter shoe Abschalschuh Galvanised Height: 13.5 cm	**1.6**	**586257000**

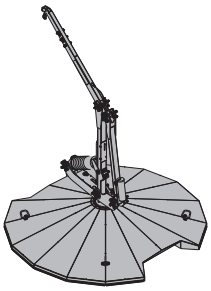
	[kg]	Article N°
Dokamatic drop beam plate 60cm Dokamatic-Unterzugslasche 60cm  Painted blue Height: 68 cm	**21.1**	**586226000**
DokaXdek drop beam adapter T DokaXdek-Unterzugsadapter T  Galvanised Length: 47 cm Width: 10 cm Height: 17 cm	**8.0**	**584133000**
Dokamatic prop connection Dokamatic-Stützenanschluss  Galvanised Height: 26 cm	**1.3**	**586215000**
Spindle strut T7 75/110cm Spindelstrebe T7 75/110cm  Galvanised	**13.2**	**584308000**
Corner plate FF20 G Ecklasche FF20 G  Painted blue Length: 49 cm Width: 24 cm	**7.2**	**587571000**
Frami universal waling 0.70m Frami-Klemmschiene 0,70m  Painted blue	**3.7**	**588439000**
Frami wedge clamp Frami-Klemme  Galvanised Length: 16 cm	**1.1**	**588441000**
Wheel-around scaffold DF Mobilgerüst DF  Aluminium Length: 185 cm Width: 80 cm Height: 255 cm Delivery condition: separate parts	**44.0**	**586157000**

	[kg]	Article N°
Wheel-around scaffold DF accessory set Zubehörset Mobilgerüst DF  Aluminium Timber parts varnished yellow Length: 189 cm	**13.3**	**586164000**
Platform stairway 0.97m Podesttreppe 0,97m  Aluminium Width: 121 cm Pay attention to the national, technical safety regulations!	**23.5**	**586555000**
Plastic mallet 4kg Kunststoffhammer 4kg  Blue Length: 110 cm	**4.5**	**586097000**
Universal dismantling tool Universal-Lösewerkzeug  Galvanised Length: 75.5 cm	**3.6**	**582768000**
Framax stripping tool Framax-Ausschalwerkzeug  Galvanised Length: 110 cm	**5.5**	**589235000**
Angular arbor SL-1 Winkeldorn SL-1 	**1.4**	**582867000**
Friction type ratchet SW27 Freilaufknarre SW27  Manganese-phosphated Length: 30 cm	**0.49**	**581855000**
Box spanner 27 0.65m Steckschlüssel 27 0,65m  Galvanised	**1.9**	**581854000**

FreeFalcon

[kg] Article N°

FreeFalcon 450.0 583034000
FreeFalcon



Red
Length: 225 cm
Width: 208 cm
Height: 235 cm
Follow the directions in the "Operating Instructions"!

CE

Mast cover FreeFalcon 3.8 583027000
Abdeckung Mast FreeFalcon

Red

Base-plate cover FreeFalcon 3.2 583026000
Abdeckung Sockelplatte FreeFalcon

Red

Safety harness FreeFalcon 1.5 583036000
Auffanggurt FreeFalcon

Follow the directions in the "Operating Instructions"!

CE

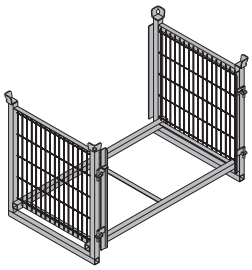
Fall arrester FreeFalcon 6.00m 3.3 583039000
Fall arrester FreeFalcon 9.00m 3.8 583035000
Höhensicherungsgerät FreeFalcon

Case for safety accessories FreeFalcon 1.5 583037000
Koffer Sicherheitszubehör FreeFalcon

Multi-trip packaging

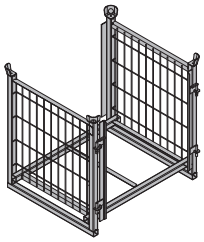
[kg] Article N°

Frami pallet 1.50m 69.0 588476000
Frami-Palette 1,50m



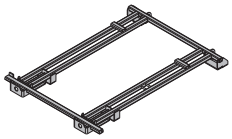
Galvanised
Length: 168 cm
Width: 100 cm
Height: 114 cm

DokaXlight pallet 1.00m 64.0 589135000
DokaXlight-Palette 1,00m



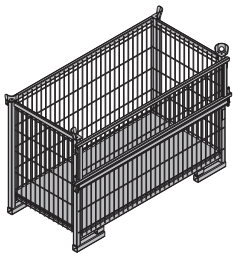
Galvanised
Length: 118 cm
Width: 100 cm
Height: 114 cm

Dokamatic table-frame pallet 2.15x1.60m 85.0 586225000
Dokamatic-Tischrahmenpalette 2,15x1,60m



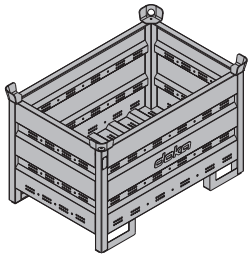
Galvanised

Doka skeleton transport box 1.70x0.80m 87.0 583012000
Doka-Gitterbox 1,70x0,80m



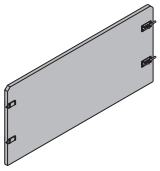
Galvanised
Height: 113 cm

Doka multi-trip transport box 1.20x0.80m 70.0 583011000
Doka-Mehrwegcontainer 1,20x0,80m



Galvanised
Height: 78 cm

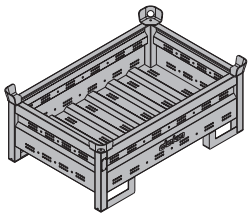
Multi-trip transport box partition 0.80m 3.7 583018000
Multi-trip transport box partition 1.20m 5.5 583017000
Mehrwegcontainer Unterteilung



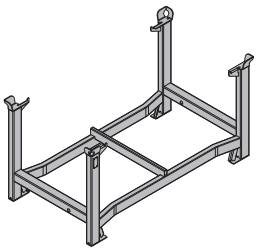
Steel parts galvanised
Timber parts varnished yellow

	[kg]	Article N°

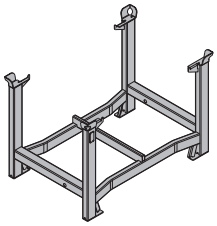
Doka multi-trip transport box 1.20x0.80x0.41m 42.5 583009000
Doka-Mehrwegcontainer 1,20x0,80x0,41m
Galvanised



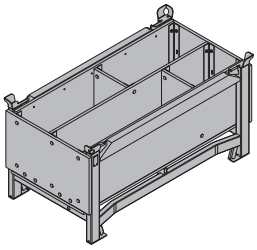
Doka stacking pallet 1.55x0.85m 41.0 586151000
Doka-Stapelpalette 1,55x0,85m
Galvanised
Height: 77 cm



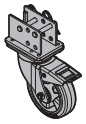
Doka stacking pallet 1.20x0.80m 38.0 583016000
Doka-Stapelpalette 1,20x0,80m
Galvanised
Height: 77 cm



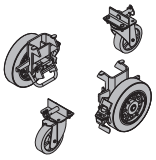
Doka accessory box 106.4 583010000
Doka-Kleinteilebox
Timber parts varnished yellow
Steel parts galvanised
Length: 154 cm
Width: 83 cm
Height: 77 cm



Universal castor wheel for transport pallet 6.0 584043000
Universal-Lenkrolle Transportgebinde
Galvanised
Height: 28.8 cm



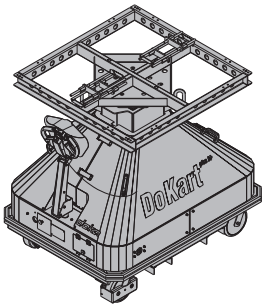
Bolt-on castor set B 33.6 586168000
Anklemm-Radsatz B
Painted blue



	[kg]	Article N°

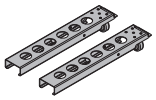
Shifting appliances for tables

DoKart plus 1448.0 586265500
DoKart plus
included in scope of supply:
(A) **Brace stirrup 8** 2.7 582751000
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"!



CE

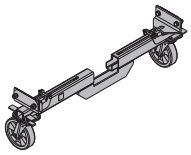
Extension set for DoKart plus 50.0 586266500
Auslegersatz DoKart plus
Galvanised
Length: 120 cm
Follow the directions in the "Operating Instructions"!



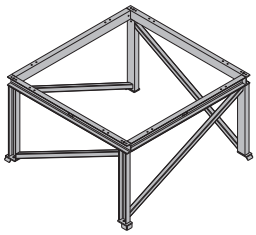
Shifting trolley DF 566.0 586080000
Umsetzwagen DF
included in scope of supply:
(A) **Positioning lever for shifting trolley DF** 6.0 586063000
(B) **Brace stirrup 8** 2.7 582751000
4 pcs.
Galvanised
Width: 19 cm
Height: 46 cm
Width-across: 30 mm
Galvanised
Length: 181 cm
Width: 130 cm
Height: 154 - 303 cm
Follow the directions in the "Operating Instructions"!

CE

Extension for shifting trolley DF 40.0 586015000
Ausleger für Umsetzwagen DF
Galvanised
Length: 128.4 cm
Follow the directions in the "Operating Instructions"!

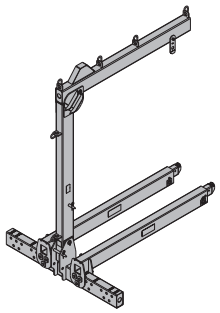


Stacking frame DF 82.0 586079000
Aufsatzrahmen DF
Galvanised
Length: 134 cm
Width: 130 cm
Height: 75 cm



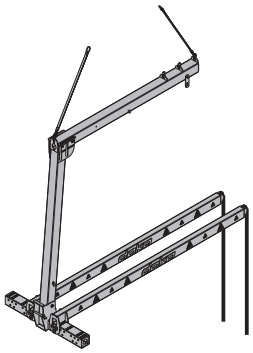
[kg] Article N°

Transport fork 1.3t adjustable **718.0** **586234000**
Umsetzgabel 1,3t verstellbar



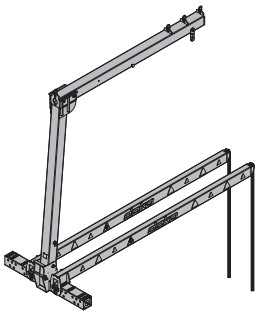
Galvanised
Delivery condition: folded closed
Follow the directions in the "Operating Instructions"!

Transport fork DM 1.5t adjustable **1134.0** **586233000**
Umsetzgabel DM 1,5t verstellbar



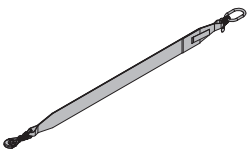
Galvanised
Delivery condition: folded closed
Follow the directions in the "Operating Instructions"!

Transport fork DM 2.5t adjustable **1134.0** **586259000**
Umsetzgabel DM 2,5t verstellbar



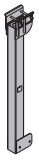
Galvanised
Delivery condition: folded closed
Follow the directions in the "Operating Instructions"!

Lifting sling for transport fork DM 2.5t **6.6** **586261000**
Hebeband Umsetzgabel DM 2,5t



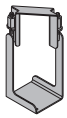
Grey
Length: 220 cm
Width: 12 cm
Follow the directions in the "Operating Instructions"!

Vertical extension DM 3.30m **240.0** **586235000**
Vertikalverlängerung DM 3,30m



Galvanised
Height: 352 cm

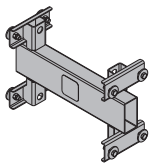
Extension clamp H20 for fork **4.5** **586236000**
Aufsatzklemme H20 für Gabel



Galvanised
Height: 45 cm

[kg] Article N°

Extension profile H20 for fork **34.1** **586237000**
Aufsatzprofil H20 für Gabel



Galvanised
Length: 83 cm
Height: 52 cm

Dokamatic lifting strap 13.00m **10.5** **586231000**
Dokamatic-Umsetzgurt 13,00m

Green
Follow the directions in the "Operating Instructions"!

Framax transport bolt **1.9** **588621000**
Framax-Transportbolzen

Follow the directions in the "Operating Instructions"!

Frami transport hook **0.56** **588494000**
Frami-Transporthaken

Galvanised
Length: 17.5 cm
Follow the directions in the "Operating Instructions"!

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