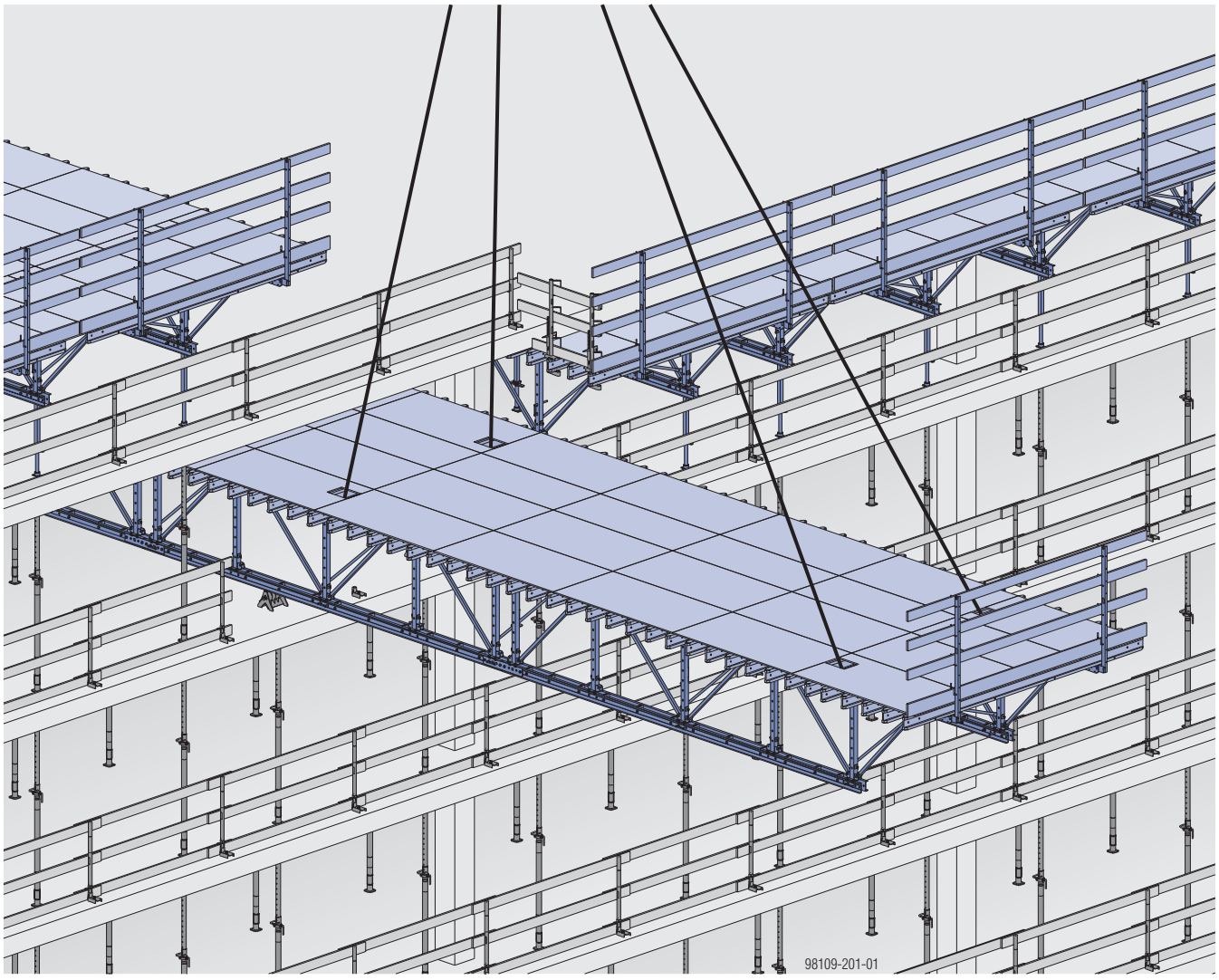
999810914 - 05/2021
en-US

The Formwork Experts.

DokaTruss table

User Information

Instructions for assembly and use



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Introduction

Basic 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 utilization 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 insure that the information materials provided by Doka (e.g. User Information booklets, Method Statements, Operating Instruction manuals, plans etc.) are up to date and available to all users, and that users have been made aware of them and have easy access to them at the usage location.
- In the relevant technical documentation and formwork utilization 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 must ensure compliance with the national applicable laws, standards and rules 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 utilize 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; occupational health & safety

- All laws, Standards, industrial safety regulations and other safety rules applying to the application and utilization 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 shall ensure that this product is erected and dismantled, repositioned 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 shall 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).
- The functional / technical instructions, safety warnings and loading data shall all be strictly observed and complied with. Non-compliance can cause accidents and severe injury (risk of fatality) and serious 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 prohibited to weld or heat Doka products, particularly parts for anchoring, suspension or connecting, and also cast parts, etc.
  Welding radically changes the micro-structure of the materials of which these components are made. This leads to a drastic reduction in failure load, constituting a serious safety risk.
  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.
  Welding work can be done only on the articles expressly mentioned in the Doka documents as being suitable for work of this nature.

Assembly

- The equipment/system must be inspected by the customer before use, to ensure that it is in suitable condition. Steps must be taken to rule out the use of components that are damaged, deformed, or weakened due to wear, corrosion or rot (e.g. fungal decay).
- The use of our safety systems and formwork systems in combination with those of other manufacturers could be dangerous, risking injury to health and damage to property, and therefore requires separate verification by the user.
- The equipment/system must be assembled and erected in accordance with the applicable laws, standards and rules by suitably skilled personnel of the customer's, having regard to any and all required safety inspections.
- It is not permitted to modify Doka products; any such modifications constitute a safety risk.

Erecting the formwork

- Doka products and systems must be set up in such a way that all loads acting upon them are safely transferred!

Pouring

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

Stripping the formwork

- Do not strip the formwork until the concrete has reached sufficient strength and the person in charge has given the order for the formwork to be stripped!
- When stripping 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 S bias-cut corners.
- When stripping 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 booklet, 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 authorized facilities.

Miscellaneous

The weights are averages on the basis of new material. Actual weights can vary due to material tolerances. Weights can also differ on account of dirtying, moisture absorption, etc.

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

Symbols

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.

NOTE
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.

Visual inspection
Indicates that actions performed must be checked by means of a visual inspection.

Tip
Draws attention to a useful tip for best-practice usage.

Reference
Cross-references other documents.

Services

Support in every phase of the project

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

Project assistance from start to finish

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

Efficient planning for a safe project sequence

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

Optimize construction workflows with Doka

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

Custom formwork and on-site assembly

Doka complements its system formwork with customized formwork units. Specially trained personnel assemble load-bearing towers and formwork on site.

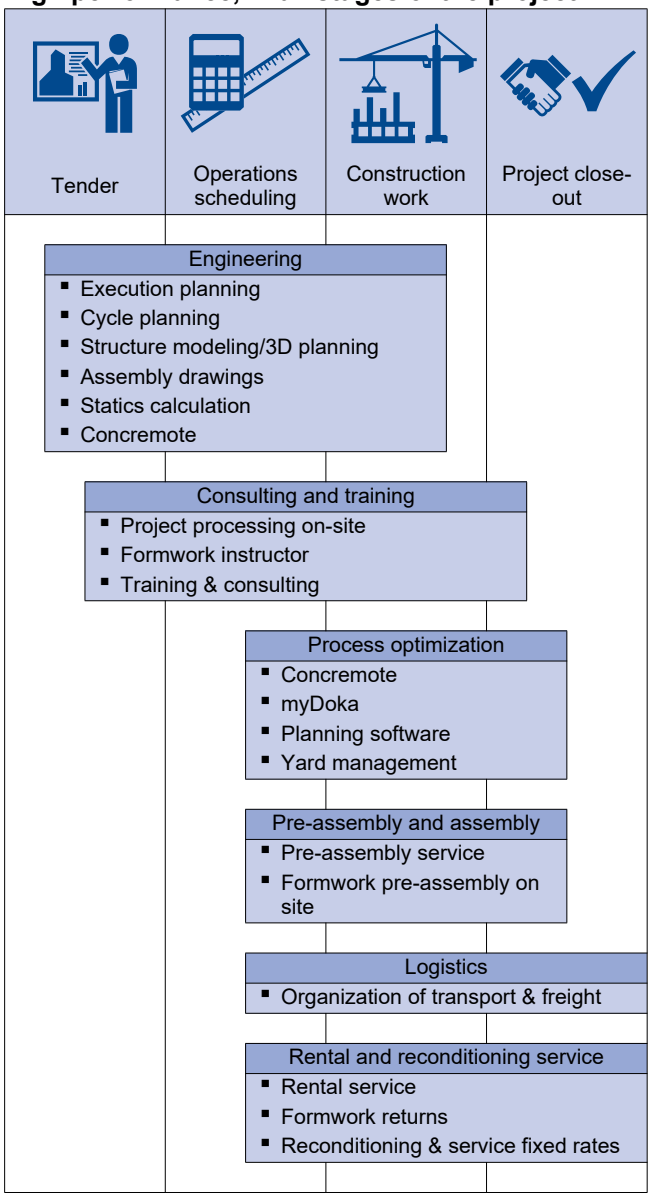
Just-in-time availability

Formwork availability is vital for on-time, on-budget realization of your project. The worldwide logistics network puts the necessary formwork quantities on site at the agreed time.

Rental and reconditioning service

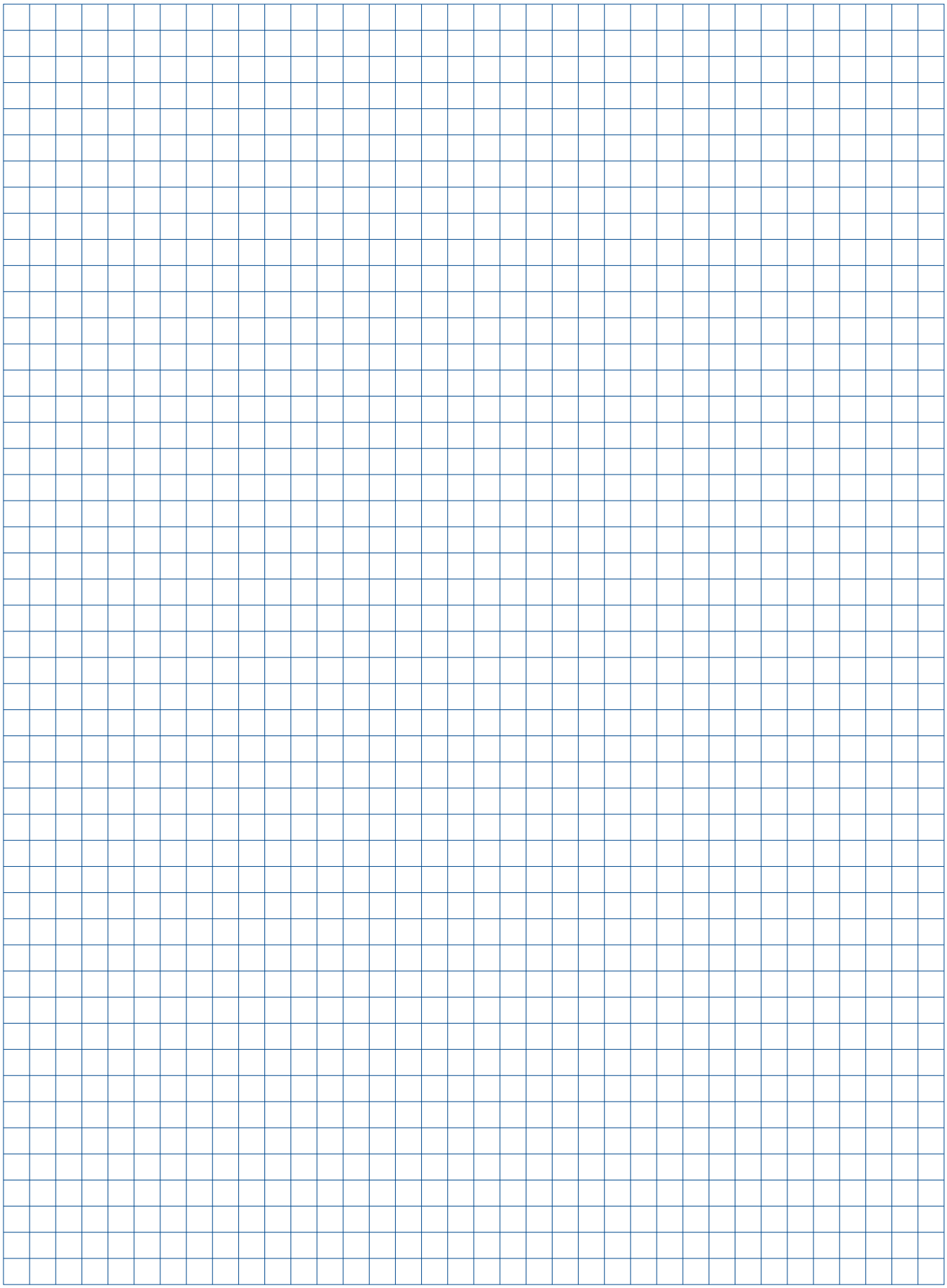
The formwork material needed for any particular project can be rented from Doka's high-performing rental park. Doka Reconditioning cleans and overhauls client-owned equipment and Doka rental equipment.

High performance, in all stages of the project



upbeat construction
digital services for higher productivity

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



System description

DokaTruss table – The optimized tableform for building construction at a record pace

The DokaTruss table speeds up cycles in building construction.

The tableforms, with large table tops exactly tailored to the layout, save crane cycles and enhance safety.

The modular design offers many ways in which the floor-slab system can be adapted to different slab heights and thicknesses – you will only need material that is actually used on the jobsite.

Short construction times and substantial labor savings

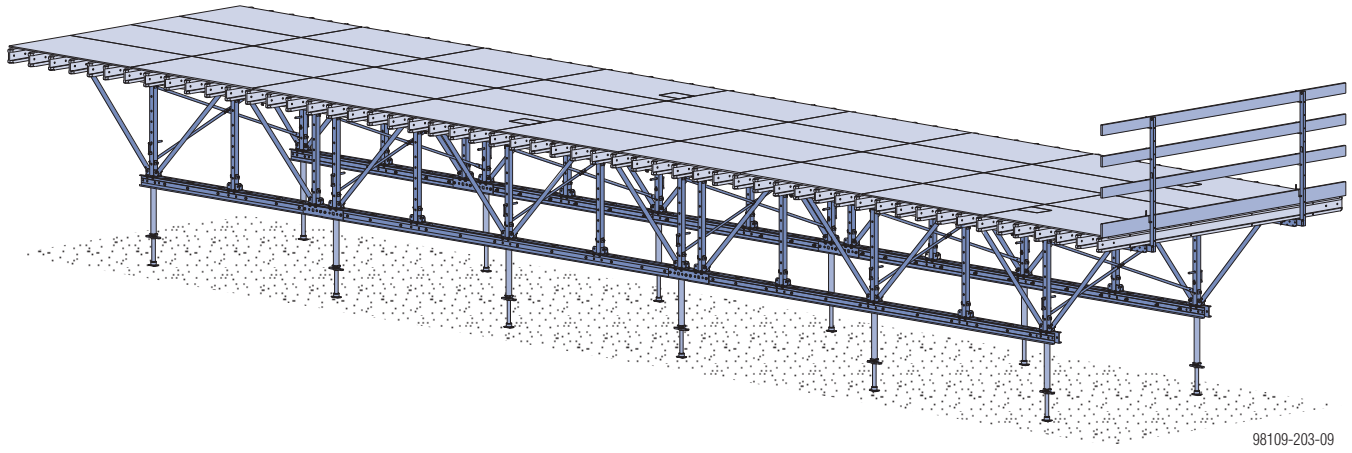
Speed up your forming times

- Maximum safety, speed and cost efficiency.
- Tables sized up to 2,150 ft² (200 m²) are repositioned safely and swiftly in a single crane cycle.
- Table lengths up to 100'-0" (30.5 m) and widths up to 21'-0" (6.40 m) with only two truss sections.
- Labor savings – fewer work steps with legs spaced up to 12'-0" (3.65 m) apart.

Superior adaptability

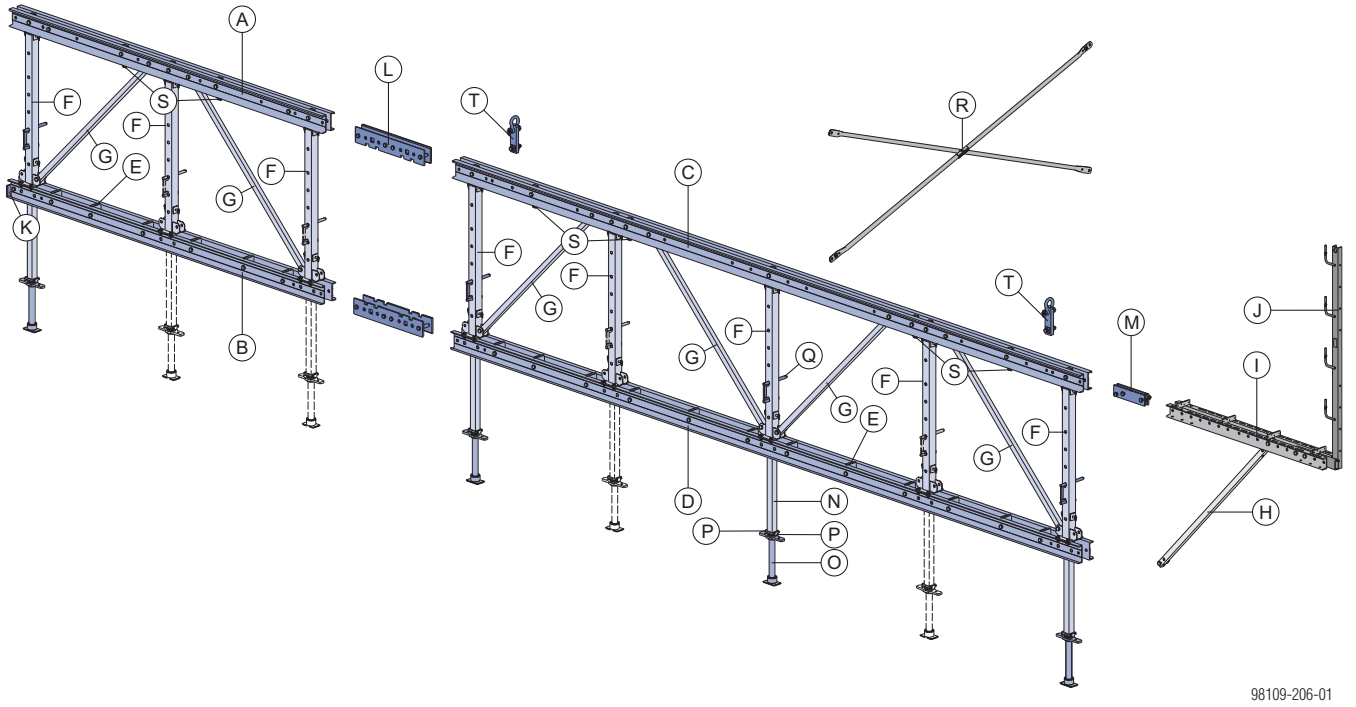
The perfect fit for your project

- Lightweight, yet strong – optimally designed from a combination of steel and aluminum.
- The steel/aluminum combination offers low weight while ensuring high capacities.
- Modular and flexible – length and width can be configured to meet any jobsite requirement.
- Versatile – formwork for drop beams and for column filler areas is integrated into the DokaTruss table.
- Easily adaptable to fit any building layout and room height using standard Doka parts.



System overview

Segment TT 12’-0" 2G	Segment TT 24’-0" 2G	Extension



A	C6 Alu Channel top TT 12’-0"	**K**	End protector C6 TT
B	C6 Alu Channel bottom TT 12’-0"	**L**	Splice plate C6 TT
C	C6 Alu Channel top TT 24’-0"	M	Splice plate C6/WS10 TT
D	C6 Alu Channel bottom TT 24’-0"	**N**	Adjustment leg TT or Adjustment leg TT 2G
E	Spacer C6 TT	**O**	Screw jack foot TT
F	Standard TT 2G	**P**	Screw jack anti-dropout lock TT
G	Strut TT 2G	**Q**	Fastening bolt TT
H	Diagonal brace TT 6’-0"	**R**	Diagonal cross
I	Multi-purpose waling WS10 Top50	**S**	Diagonal cross adapter TT
J	Handrail post T 1.80m	**T**	Lifting adapter TT + Shackle Xclimb 60 6.5t

Truss section

Segment TT

Segment TT 12’-0" 2G or **Segment TT 24’-0" 2G**
Consisting of:

C6 Alu Channels top TT (top chord)
- Diagonal cross adapters TT with safety catches, for fitting the horizontal diagonal crosses.
- **Bolting** with Standard TT and Strut TT:
  - Hexagon bolt DIN 931 M20x90
  - Hexagon bolt DIN 934 M20
  - Washer ISO 7089 20

Standard TT 2G
- Provided with holes for pinning the feet in place in different height positions.
- Safety catches for fitting the vertical diagonal crosses.
- Lugs with holes for bolting Struts TT.
- **Bolting** with Strut TT:
  - Hexagon bolt DIN 931 M20x90
  - Hexagon nut DIN 934 M20
  - Washer ISO 7089 20

Strut TT 2G
- Bolted to the lugs of the Strut TT at the bottom and to the top chord at the top.

Spacer C6 TT
- Is installed in the bottom chord between the C6 Alu channels.

C6 Alu Channels bottom TT (bottom chord)
- End protector C6 TT for protecting the channel positioned at the end of a truss section.
- **Bolting** with Spacer C6 TT:
  - Hexagon bolt DIN 931 M20x120
  - Hexagon nut DIN 934 M20
  - Washer ISO 7089 20

The segments are joined together using the **Splice plate C6 TT**.

Extension

Consisting of **Multi-purpose waling WS10 Top50** and **Diagonal brace TT 6’-0"**.
- The multi-purpose waling is joined to the Segment TT using the **Splice plate C6/WS10 TT**.

Fall protection

The **Handrail post T 1.80m** is bolted onto the multi-purpose waling of the extension, as a fall protection at the slab edge.

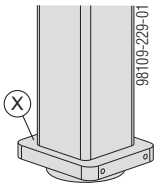
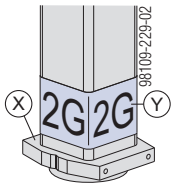
Foot

Room heights up to 13’-1 1/2" (4.00 m)

Consisting of:

Adjustment leg TT or Adjustment leg TT 2G

Distinction:

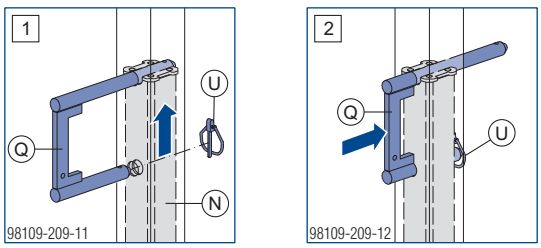
Adjustment leg TT	Adjustment leg TT 2G
	 ▪ 25 % higher load-bearing capacity (see the section headed 'Structural design') ▪ different baseplate **(X)** ▪ '2G' sticker **(Y)**

NOTICE

When Adjustment leg TT and Adjustment leg TT 2G are both used, the **lower load-bearing capacity** of the Adjustment leg TT applies!

Screw jack foot TT
- Screw jack anti-dropout lock TT for securing the screw jack foot in the adjustment leg (2 locks per adjustment leg).

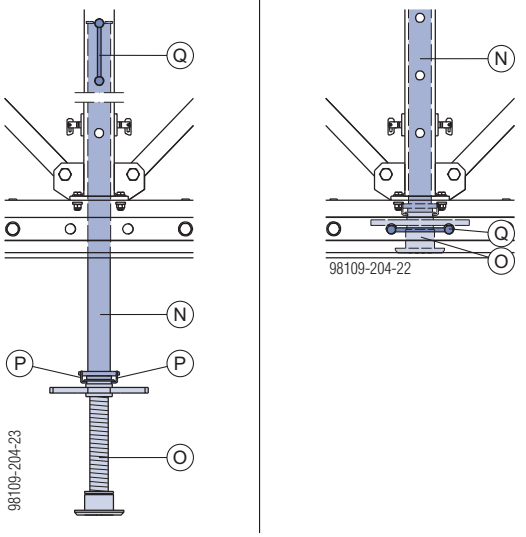
The feet are pinned in place in the vertical legs (as statically required and according to the room height needed) with **Fastening bolts TT**.
- Foot adjusted to the required height (Pos. 1).
- Foot pinned in place. Fastening bolt secured with a linch pin to prevent it dropping out (Pos. 2).



N	Adjustment leg TT or Adjustment leg TT 2G
Q	Fastening bolt TT
U	Linch pin

Installation situations of the foot in the vertical leg:

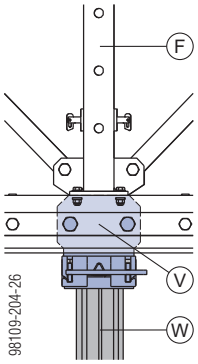
as propping	during repositioning, transporting and storage



N Adjustment leg TT or Adjustment leg TT 2G
O Screw jack foot TT
P Screw jack anti-dropout lock TT
Q Fastening bolt TT

Room heights over 13’-1 1/2 " (4.00 m)

Note:
For room heights over 13’-1 $^1/_2$" (4,00 m), instead of the feet Doka Super Props are mounted on the segment by means of Table heads Super Prop TT.
Consult your Doka technician for details.



F Standard TT 2G
V Table head Super Prop TT
W Doka Super Prop

Diagonal crosses

Slide-in bracing crosses made of tubular steel, for mounting between the truss sections.
Identified by:
- Embossed markings, e.g. 18.250
- Notched, color-coded clips (see the section headed "System dimensions")

Basic rule:

Vertical diagonal crosses are mounted to each vertical leg with a foot pinned to it.

Crane hoisting points

Consisting of **Lifting adapter TT** und **Shackle Xclimb 60 6.5t**
- are mounted to the top chord (Segment TT).

Joists

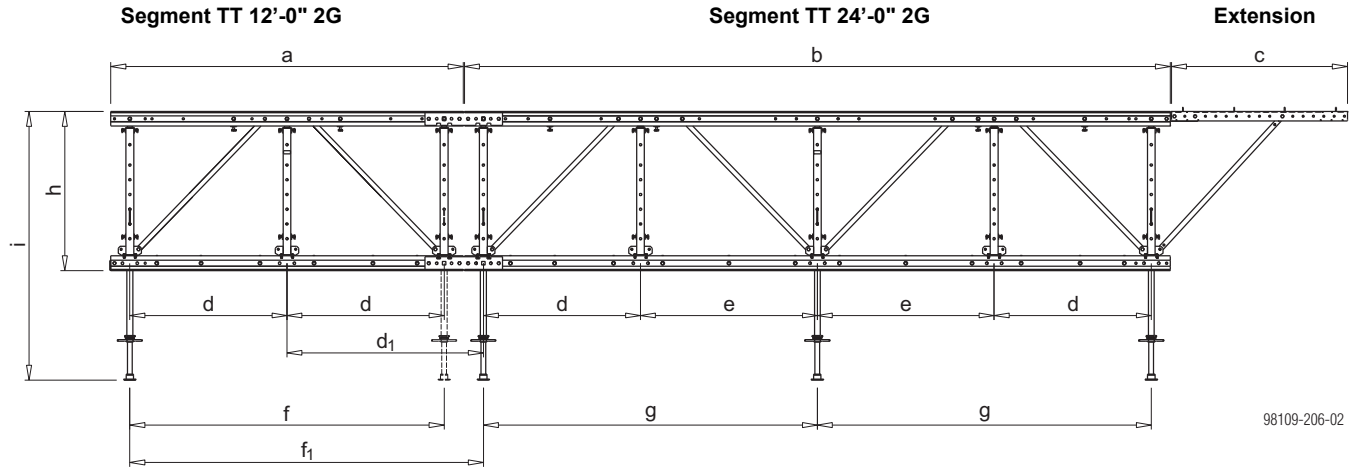
Follow the directions in the User Information booklet of the beams being used!

Plywood

Follow the directions in the User Information booklet of the formwork sheets being used!

System dimensions

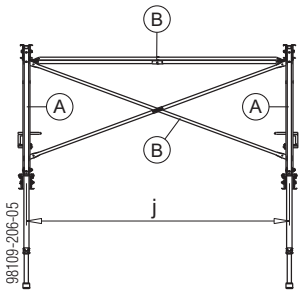
Truss section



a ... 11'-11 1/2" (364.5 cm)
b ... 23'-11 1/2" (730.0 cm)
c ... 3'-0" (100.0) to 8'-0" (245.0 cm)
d ... 5'-4" (162.5 cm)
d_1 ... 6'-8" (203.0 cm)
e ... 6'-0" (183.0 cm)
f ... 10'-8" (325.0 cm)
f_1 ... 12'-0" (365.5 cm)
g ... 11'-4" (345.5 cm)
h ... 5'-4 1/2" (164.5 cm)
i ... 6'-8 1/2" (205.0 cm) to 12'-4 1/2" (377.0 cm)*

*) see the section headed "Height adjustment".

Distance between truss sections



Diagonal cross **(B)**			**Center-to-center distance j** between truss sections **(A)**	
Designation	Marked with			
	color-coded clip	notches	**[inch]**	**[cm]**
Diagonal cross 9.150	red	—	4'-3"	129.5
Diagonal cross 9.175	light green	—	5'-2 1/8"	157.8
Diagonal cross 9.200	blue	—	6'-1"	185.2
Diagonal cross 9.250	yellow	—	7'-9 3/4"	238.3
Diagonal cross 9.300	orange	—	9'-6 1/4"	290.3
Diagonal cross 12.100	green	1	3'-3 1/4"	100.0
Diagonal cross 12.150	red	1	4'-11"	150.0
Diagonal cross 12.175	light green	1	5'-9"	175.0
Diagonal cross 12.200	blue	1	6'-6 3/4"	200.0
Diagonal cross 12.250	yellow	1	8'-2 3/8"	250.0
Diagonal cross 12.300	orange	1	9'-10 1/8"	300.0
Diagonal cross 18.100	green	3	5'-5 3/8"	166.0
Diagonal cross 18.150	red	3	6'-6 3/4"	200.2
Diagonal cross 18.175	light green	3	7'-2 1/2"	219.5
Diagonal cross 18.200	blue	3	7'-10 1/2"	240.0
Diagonal cross 18.250	yellow	3	9'-3 3/8"	283.0
Diagonal cross 18.300	orange	3	10'-9 1/8"	328.0
Diagonal cross TT 12'-0"	light blue	3	12'-0"	365.8

Table weight

Weight of table with 2 truss sections, as a function of the spacing between the joists (guide values)

Length of table (l)	Width of table (joists)	Spacing of joists							
		24" (60 cm)		19 3/16" (50 cm)		16" (40 cm)		12" (30 cm)	
		[lb]	[kg]	[lb]	[kg]	[lb]	[kg]	[lb]	[kg]
Segment TT 12'-0" 2G l = 12'-0" (3.65 m)	Doka beam H20 2.45m	832	377.3	859	389.5	915	414.9	997	452.1
	Doka beam H20 3.60m	928	420.8	968	438.9	1048	475.2	1169	530.1
	Doka beam H20 4.90m	1044	473.4	1098	497.9	1207	547.4	1370	621.7
	Doka beam H20 5.90m	1139	516.5	1205	546.4	1336	605.9	1532	694.8
Segment TT 24'-0" 2G l = 24'-0" (7.30 m)	Doka beam H20 2.45m	1435	651.1	1518	688.8	1601	726.5	1766	801.3
	Doka beam H20 3.60m	1612	731.4	1732	785.9	1853	840.8	2094	950.1
	Doka beam H20 4.90m	1825	828.0	1988	902.0	2151	975.9	2478	1124.2
	Doka beam H20 5.90m	1998	906.5	2195	995.9	2391	1084.8	2784	1263.1
Extension 8'-0" l = 8'-0" (2.45 m)	Doka beam H20 2.45m	415	188.2	443	200.9	470	213.1	525	238.1
	Doka beam H20 3.60m	465	210.9	506	229.5	546	247.6	626	283.9
	Doka beam H20 4.90m	523	237.2	577	261.7	632	286.6	741	336.1
	Doka beam H20 5.90m	567	257.1	632	286.6	698	316.6	829	376.0

The weights stated in this table include the weights of the following components:

- **2 truss sections**
  (Segments TT / extension)
- **Joists**
  (Doka beams H20 incl. connectors)
- **Diagonal crosses**

Note:

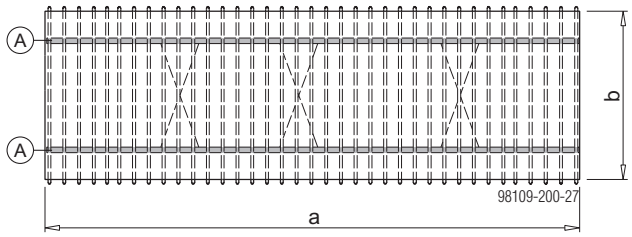
For determining a table's actual **total weight**, the weight of the splice plates, feet, mounted parts, and the plywood used must be taken into account.

- **Splice plates C6 TT** (incl. screw set) to join 2 truss sections with 2 further truss sections (= 8 pcs.): 182.8 lbs (82.9 kg)
- **Foot (adjustment leg, screw jack foot, fastening bolt)**
  - With Screw jack foot TT 3'-2": 48.2 lbs (21.9 kg)
  - With Screw jack foot TT 4'-2": 52.6 lbs (23.9 kg)
- **Plywood** 3/4" (19 mm):
  2.5 psf (12.2 kg/m²)

Table sizes

Table with 2 truss sections

Plan view:



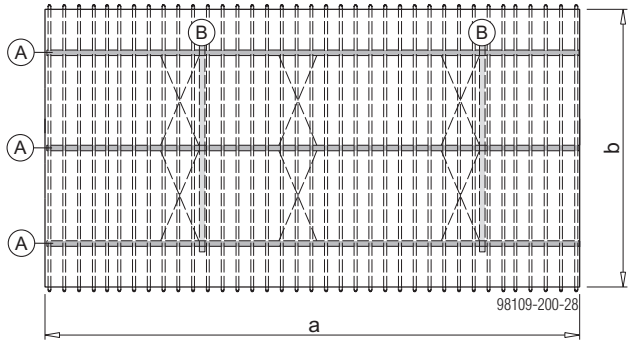
a ... Length of table
b ... Width of table

A Truss section

- **Length of table:**
  - 18’-0" (5.50 m) to 100’-0" (30.50 m)
- **Width of table:**
  - 5’-11" (1.80 m) to 21'-0" (6.40 m)

Table with 3 truss sections

Plan view:



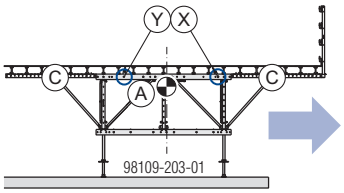
a ... Length of table
b ... Width of table

A Truss section
B Spreader beam

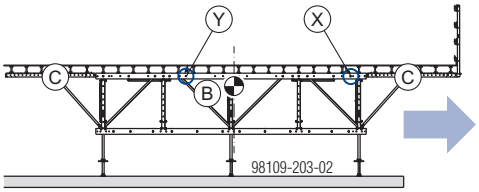
- **Length of table:**
  - 18’-0" (5.50 m) to 49’-2 $^{1}/_{2}$" (15.00 m)
- **Width of table:**
  - 19’-8" (6.00 m) to 34’-5" (10.50 m)

Possible combinations

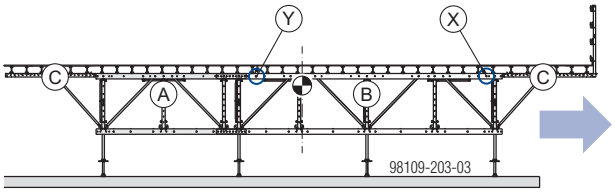
28’-0" (8.50 m)



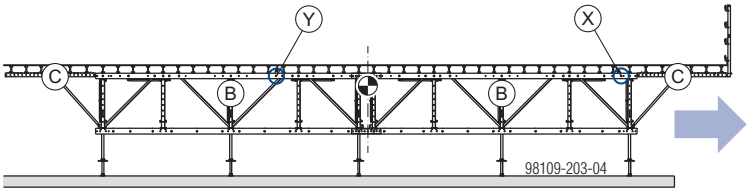
40’-0" (12.20 m)



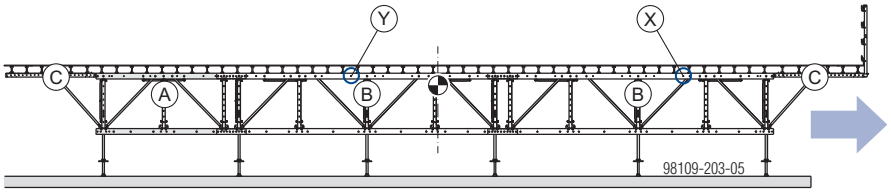
52’-0" (15.85 m)



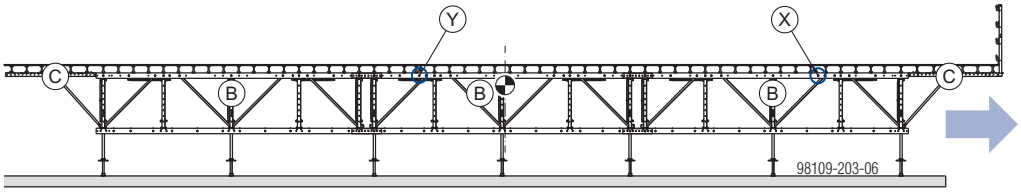
64’-0" (19.50 m)



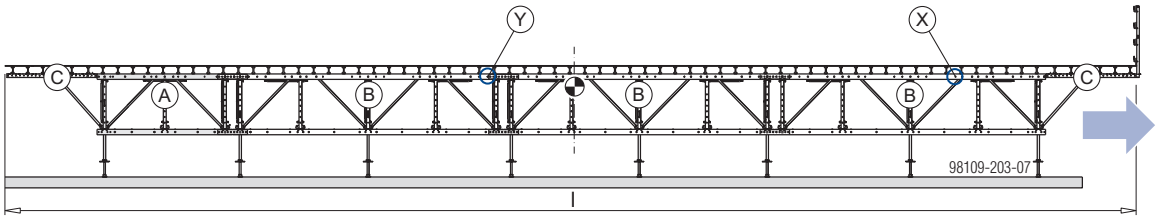
76’-0" (23.15 m)



88’-0" (26.80 m)



100’-0" (30.50 m)



l ... max. 100’-0" (30.50 m)
The positions of the crane hoisting points shown here may vary in practice. Attention must be paid to the relevant **assembly plan** / **shop drawing**!

A	Segment TT 12’-0" 2G
B	Segment TT 24’-0" 2G
C	Extension 8’-0"
X	Front crane hoisting point
Y	Rear crane hoisting point

Length of table	Number of components per truss section		
	Segment TT 12’-0" 2G (A)	Segment TT 24’-0" 2G (B)	Extension 8’-0" (C)
28’-0" (8.50 m)	1	—	2
40’-0" (12.20 m)	—	1	2
52’-0" (15.85 m)	1	1	2
64’-0" (19.50 m)	—	2	2
76’-0" (23.15 m)	1	2	2
88’-0" (26.80 m)	—	3	2
100’-0" (30.50 m)	1	3	2

Note:

In addition to the combinations shown here, it is also possible to adapt the length of table to meet project-specific requirements (e.g. by using extensions of different lengths).

Instructions for assembly and use

Depending on the project, the actual design and sequence of operations may differ from the descriptions given in this booklet.

- Follow the shop drawing / assembly plan or ask your Doka technician.

CAUTION

➤ DokaTruss tables may only be used to form horizontal slabs.

➤ It is forbidden to use them in inclined situations.

➤ Never place tables on top of one another.

CAUTION

Risk of small-sized tables tipping over!

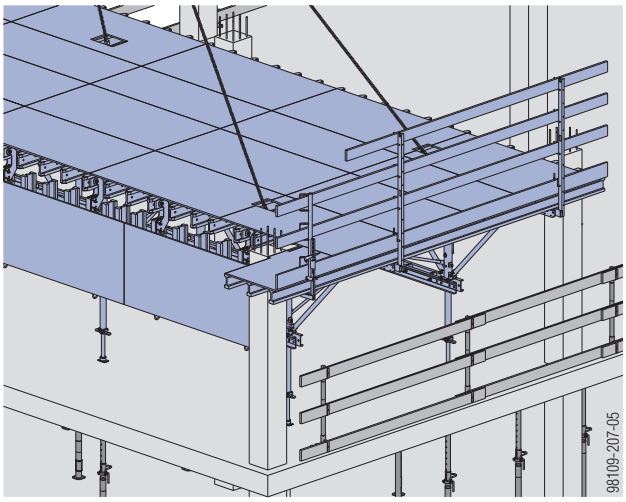
➤ If necessary, secure them with a back-stay!

Note:

All necessary traffic routes must be prepared at the site!

Erecting the formwork

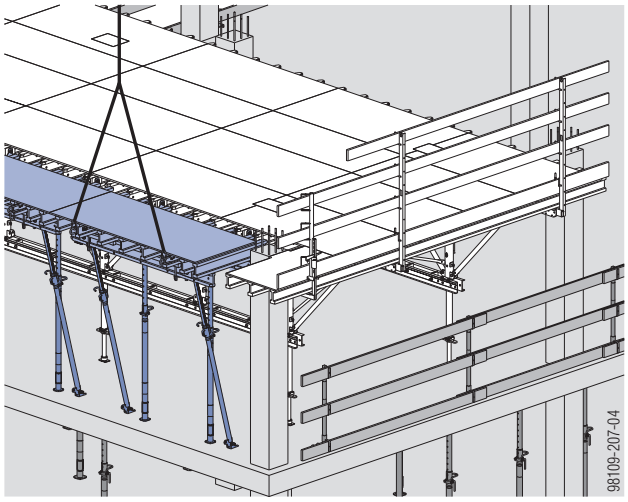
➤ Move the table to its usage location by crane, raise it to the intended operational height, extend the feet, and adjust the table's height (see the section headed "Height adjustment").
If necessary, secure the table to the building.



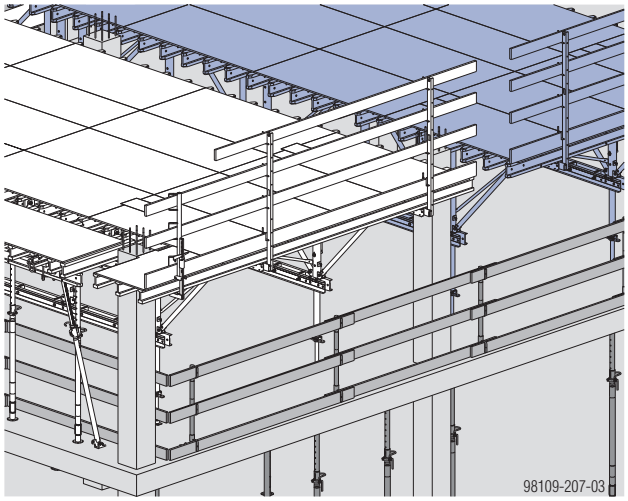
NOTICE

➤ Use personal fall-arrest systems to protect against falls (e.g. safety harness).

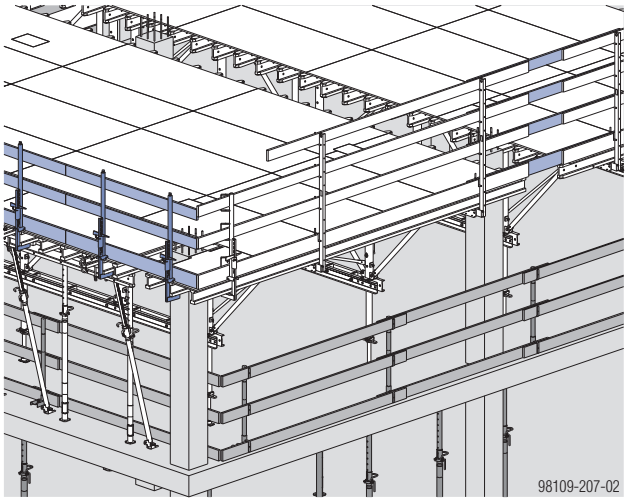
➤ Tilt up the hinge panels by crane and place floor props beneath them (see the section headed 'Hinge panel').



➤ Put up all the other tables and secure them if necessary.

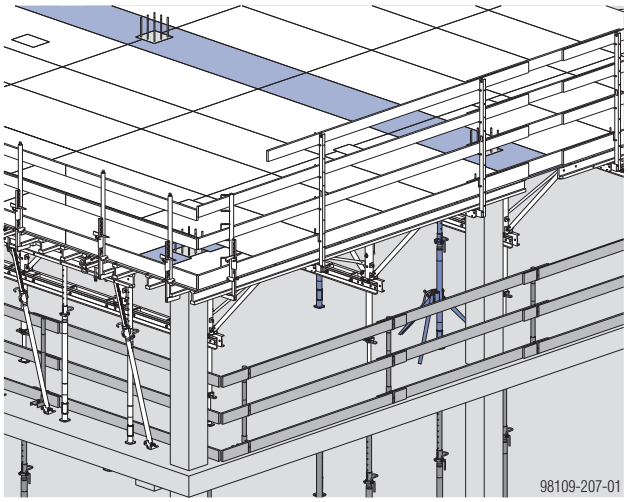


➤ Mount additional fall protection (see the section headed "Fall protection on the formwork").



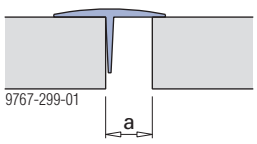
➤ If necessary, put up props in the filler zones or insert insertion beams (see the section headed "Fillers with plywood strips").

➤ Insert plywood strips between the tables, and nail where needed (see the section headed "Fillers with plywood strips").



The T ledge makes it easier to strip the formwork.

It is only needed in the area where stripping begins.



a ... max. $^1/_2$" (15 mm)

➤ Form the slab bulkheads (see the section headed "Slab bulkheads").

➤ Spray the form-facing with release agent.

➤ Place the reinforcement.

Pouring

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

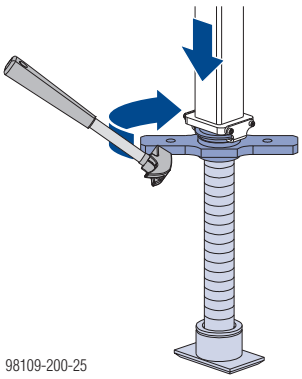
Stripping and repositioning the formwork

NOTICE

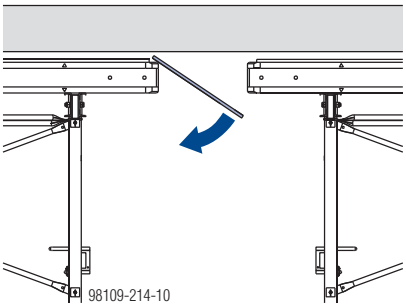
It is essential to follow the instructions given here and the instructions in the section headed 'Reshoring props, concrete technology and stripping'.

➤ Check the concrete strength.

➤ Take the load off the tables and lower them approx. 4" (10 cm) with the screw jack foot.



➤ Remove the fillers.

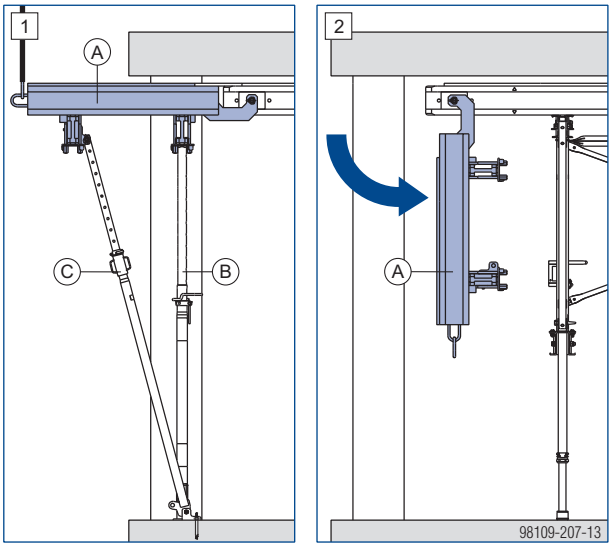


Tilting down the hinge panel

NOTICE

➤ Use personal fall-arrest systems to protect against falls (e.g. safety harness).

1) Attach the lifting chain/cable to the lifting bracket of the hinge panel and remove the floor prop.
2) Tilt down the hinge panel with the assistance of a crane and dismount the plumbing strut.



A Hinge panel
B Floor prop Eurex top
C Plumbing strut

➤ Lift the table to its next usage location (see the section headed 'Repositioning'.)

Reshoring

NOTICE

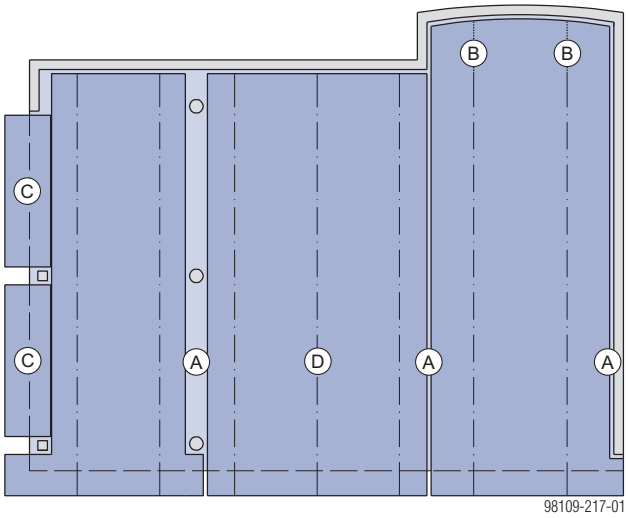
It is essential to follow the instructions given here and the instructions in the section headed 'Reshoring props, concrete technology and stripping'.

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

Adaptation to building layout

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

- Table sizes and shapes adapted to the project
- Filler zones with plywood strips
- Fillers using hinge panels



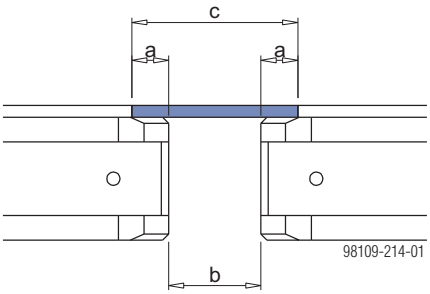
A	Filler zone with plywood strip
B	Adaptation in the longitudinal direction
C	Hinge panel
D	Table with 3 truss sections

Fillers with plywood strips

NOTICE

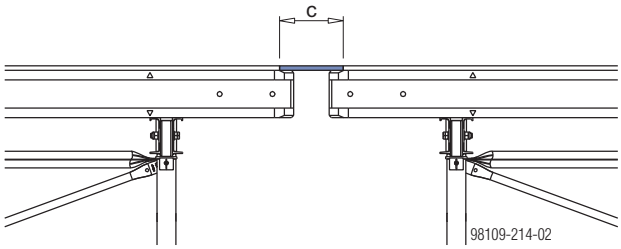
The width 'c' of the plywood strip, the permitted slab thickness, and the required type of propping must be statically determined on a project-specific basis!

Support on the DokaTruss table

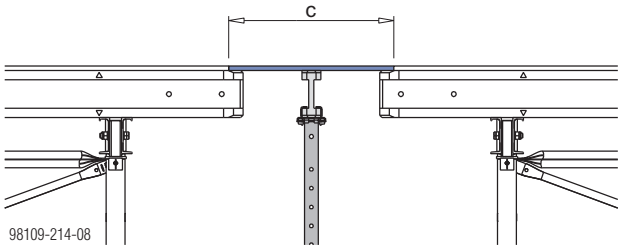


a ... Support on the beam min. 2" (5 cm)
b ... Distance between two tables min. 6" (15 cm) (Stripping allowance)
c ... Width of plywood strip

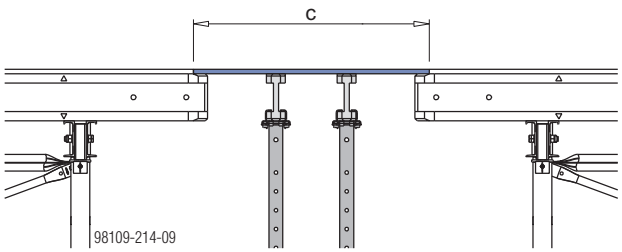
with no additional propping



center-propped

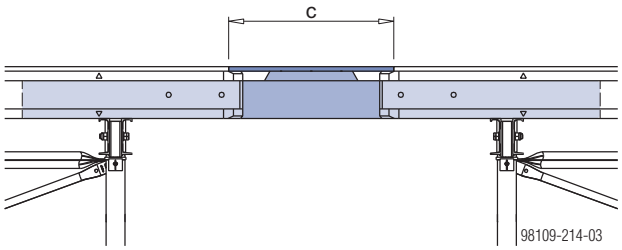


double-propped

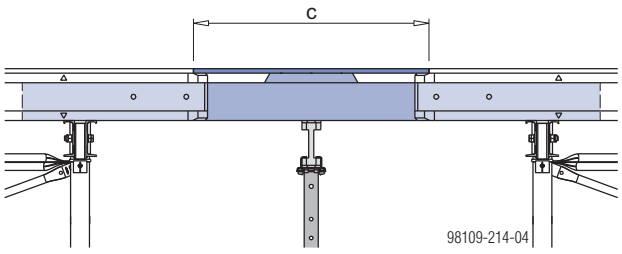


with insertion beam

with no additional propping



center-propped



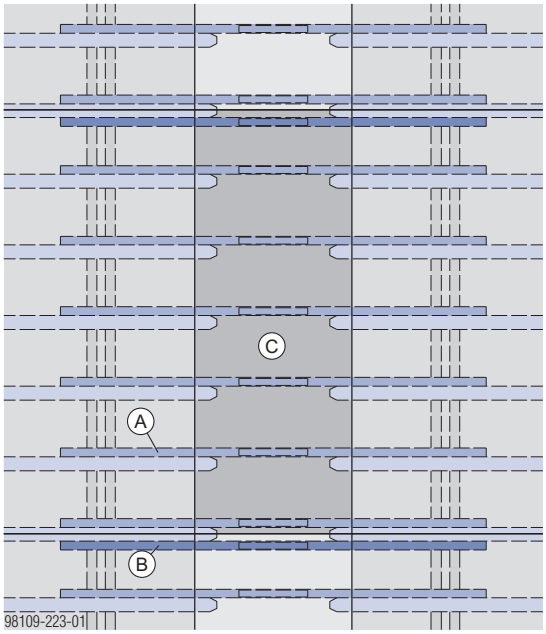
c ... Width of plywood strip

For very thick slabs, the insertion beam can be fitted with its raised support surface facing downwards, and wedged up to the right height on the table waling. This permits bigger filler widths.

Please consult your Doka technician.

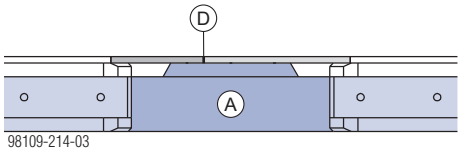
Location of the Insertion beams

- ➤ Place the insertion beams **(A)** at the ends of the tables, as close as possible to the edge.
- ➤ Do not space the insertion beams any further apart than the beams of the table.
- ➤ Insert an extra insertion beam **(B)** under the joint between the formwork sheets **(C)** .



NOTICE

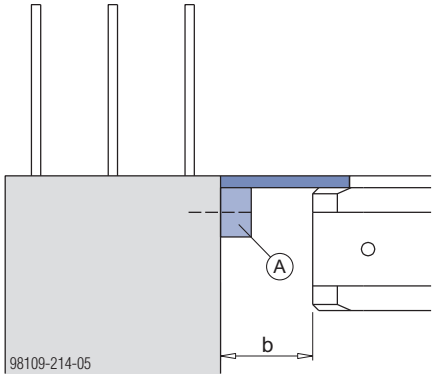
The joint where the sheets abut **(D)** must always be positioned over the raised support surface of the insertion beam **(A)** .



If this is not possible, the insertion beam can be fitted with its raised support surface facing downwards, and wedged up to the correct height on the Segment TT.

Example: Incorporating columns into the filler zone:

at wall or column junctions

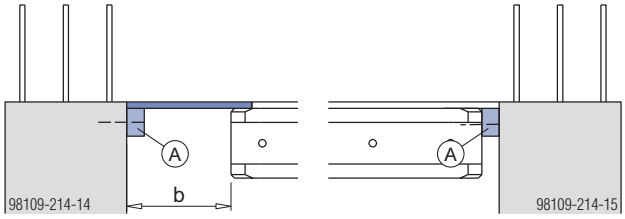


b ... min. 6" (15 cm)

A Squared timber approx. 2x4 (5 x 8 cm) (W x H) (fastened to the wall)

Wall junctions on both sides

A filler is only needed on one side facing the wall.

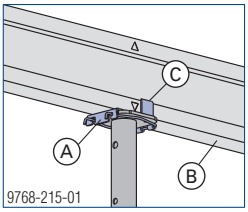


b ... min. 1'-0" (30 cm)

A Squared timber approx. 2x4 (5 x 8 cm) (W x H) (fastened to the wall)

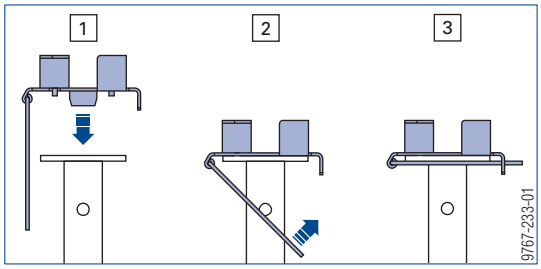
Propping the filler zones

This additional propping is set up using Beams H20, Supporting heads H20 DF and Floor props Eurex top.

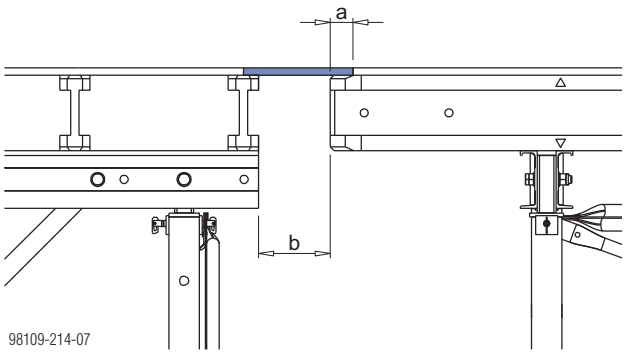


A Supporting head H20 DF
B Doka beam H20
C Hole in the supporting head (for fixing to the beam)

➤ Place the Supporting head H20 DF on the inside tube of the floor prop and secure it with the integral spring-steel stirrup.



Combining tables in the longitudinal and transverse directions



a ... min. 2" (5 cm)
b ... min. 6" (15 cm)

Adaptation in the longitudinal direction

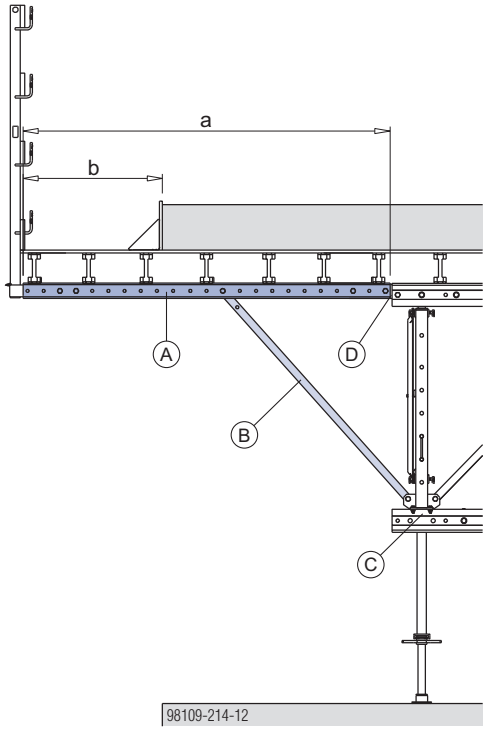
Tables can be adapted to the building layout in the longitudinal direction by extending the truss sections with the Multi-purpose walings WS10 Top50 3’-0" (100 cm) to 8’-0" (245 cm).

Note:
For extensions longer than 8’-0" (245 cm), ask your Doka technician!

Nuts & bolts, etc. needed for each extension:
- 5 hexagon bolts M20x100
- 5 hexagon nuts M20
- 5 washers 20

Extensions at the slab edge

The table is extended outwards, resulting in an area 'b' free to work on beyond the slab bulkhead (no full-face concrete load).



a ... 3’-0" (100 cm) to 8’-0" (245 cm)
b ... 3’-0" (100 cm)

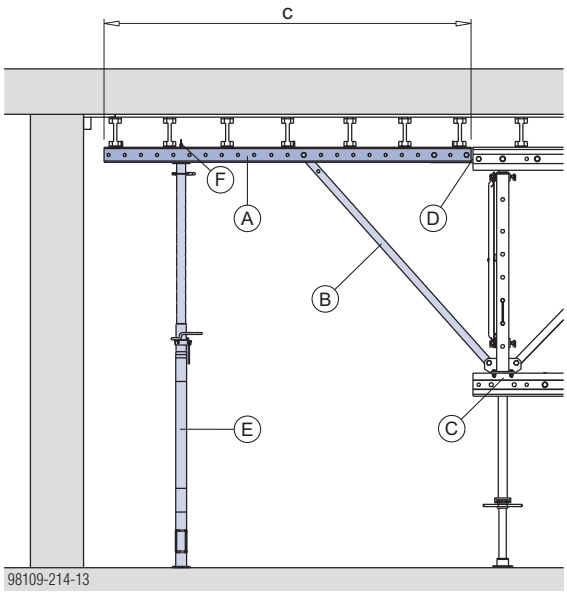
A	Multi-purpose waling WS10 Top50
B	Diagonal brace TT 6’-0"
C	Segment TT
D	Splice plate C6/WS10 TT

Extensions within the structure

Extensions within the structure of up to 5'-0" (150 cm) (see the section headed 'Extensions at the slab edge'). Extensions within the structure of more than 5'-0" (150 cm) must be additionally supported.

Note:
Separate statical verification must be performed for extensions within the structure.

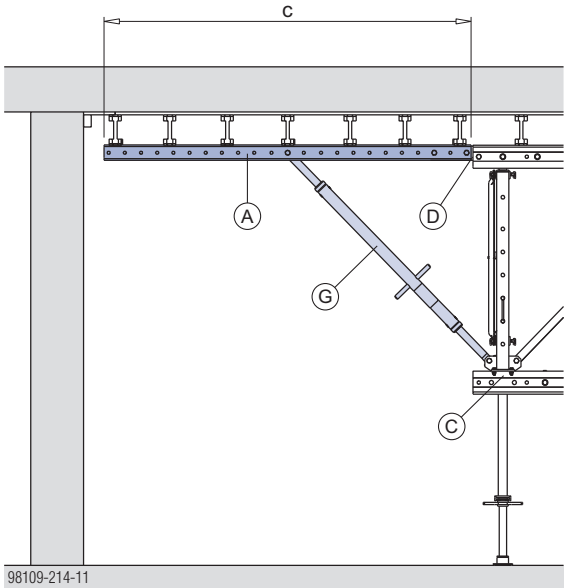
- **Version 1: Propping with a floor prop**



c ... 5’-0" (150 cm) to 8’-0" (245 cm)

A	Multi-purpose waling WS10 Top50
B	Diagonal brace TT 6’-0"
C	Segment TT
D	Splice plate C6/WS10 TT
E	Floor prop Eurex top
F	Dokamatic strut connection

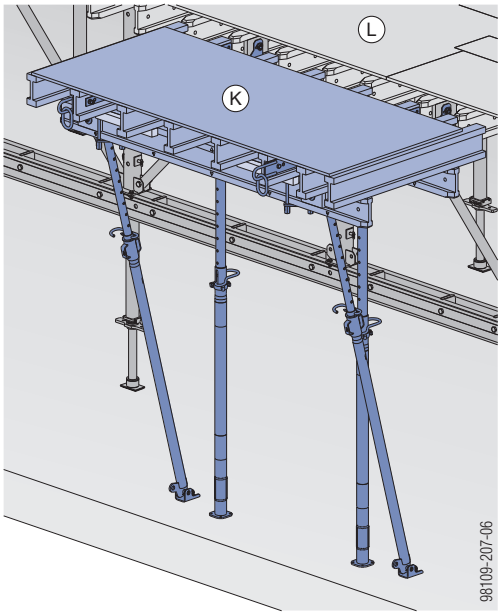
- **Version 2: Spindle strut T7 instead of the diagonal brace**



c ... 5’-0" (150 cm) to 8’-0" (245 cm)

A	Multi-purpose waling WS10 Top50
C	Segment TT
D	Splice plate C6/WS10 TT
G	Spindle strut T7

Hinge panel



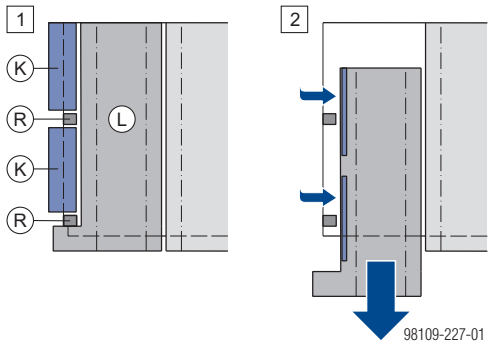
K Hinge panel
L DokaTruss table

The hinge panel is mounted to the side of the Doka-Truss table.

- It is used for adaptation between columns or in wall niches (Pos. 1).
- For stripping and repositioning the tableform, the panel is tilted down (Pos. 2).

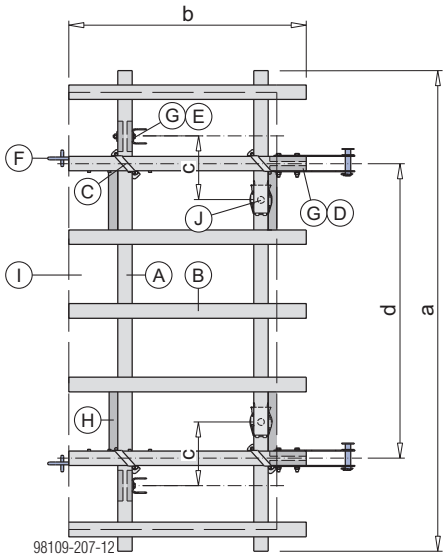
Function of the hinge panel (simplified drawing):

Tableform closed: **While being repositioned:**



K Hinge panel
L DokaTruss table
R Prop

Assembly



a ... max. 11'-9 3/4" (3.60 m)
b ... max. 5'-0" (1.50 m)
c ... min. 4" (10 cm)
d ... adapted to the spacing between the joists of the table

A Stringer
B Joist
C Brace stirrup 8 + Safety plate for brace stirrup 8
D Tilting connector TT
E Strut shoe EB (for connecting the plumbing strut)
F Lifting bracket
G Shim 1 1/8" x 4 1/2" (29 x 120 mm) (W x H)
H Squared timber approx. 2x2 (5 x 5 cm) (W x H)
I Plywood
J Supporting head H20 DF (for connecting the floor prop)

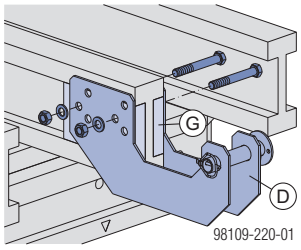
Tools needed:

- Reversible ratchet 1/2"
- Box nut 24
- Fork wrench 24

Pre-assembling the hinge panel:

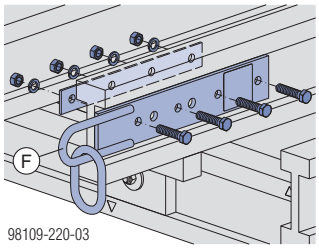
➤ Join the stringers and joists (e.g. with wood screws and Brace stirrup 8).

➤ Bolt the Tilting connector TT and the shims to the joist.
Holes to be drilled: diam. 3/4" (18 mm).



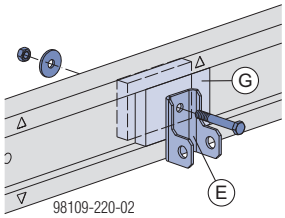
D Tilting connector TT
G Shim 1 1/8" x 4 1/2" (29 x 120 mm) (W x H)

➤ Bolt the lifting bracket to the same joist as the tilting connector.
Holes to be drilled: diam. 3/4" (18 mm).



F Lifting bracket

➤ Bolt the Strut shoe EB and the shims to the outside stringer.
Hole to be drilled: diam. 3/4" (18 mm).

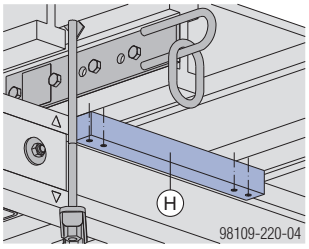


E Strut shoe EB
G Shim 1 1/8" x 4 1/2" (29 x 120 mm) (W x H)

Nuts & bolts, etc. needed for each Strut shoe EB:

- 1 hexagon bolt M16x120
- 1 hexagon nut M16
- 1 washer M16 (ISO 7094)

➤ Mount a squared timber to the underside of the joists, using two wood screws for each joist, to strengthen the stringers.

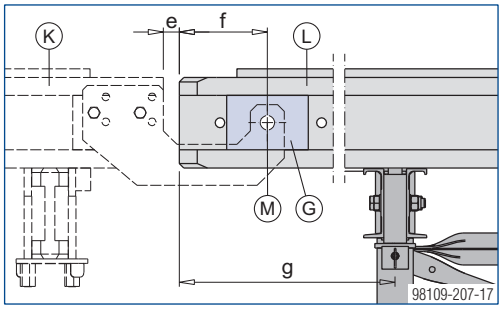


H Squared timber approx. 2x2 (5 x 5 cm) (W x H)

➤ Lay the formwork sheets and screw them on.

Mounting to the table:

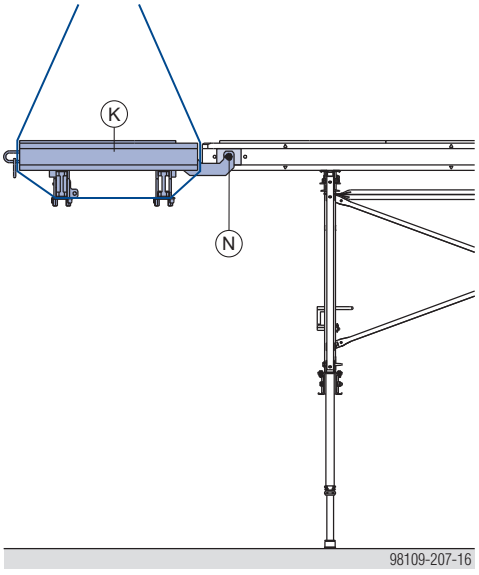
➤ Fasten a shim to either side of the joist of the table, and drill a hole.
Hole to be drilled: diam. 1 1/4" (31 mm).



e ... min. 1" (2.5 cm)
f ... max. 8 1/8" (20.5 cm)
g ... min. 2'-0" (60.0 cm)

G Shim 1 1/8" x 4 1/2" (29 x 120 mm) (W x H)
K Hinge panel
L DokaTruss table
M Drilled hole diam. 1 1/4" (31 mm)

➤ Lift the pre-assembled hinge panel to the table with the lifting strap and crane.
➤ Pin it to the table with the hinge bolt D30 TT and secure it with a linch pin.



K Hinge panel
N Hinge bolt D30 TT + linch pin

Use at the slab edge

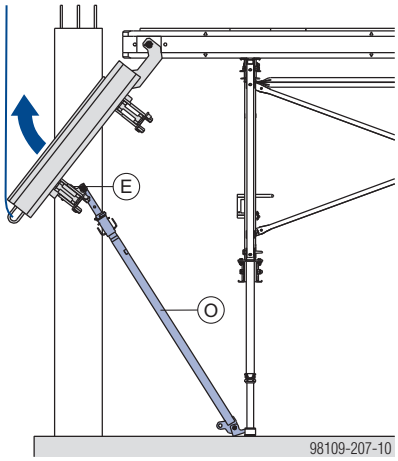
The sequence shown here is based on a hinge panel at the slab edge. For hinge panels within the structure, Floor props Eurex top are used instead of the plumbing struts.

NOTICE

➤ Use personal fall-arrest systems to protect against falls (e.g. safety harness).

➤ Pin the plumbing strut into the Strut shoe EB, which is mounted to the hinge panel.

➤ Tilt up the hinge panel by crane.



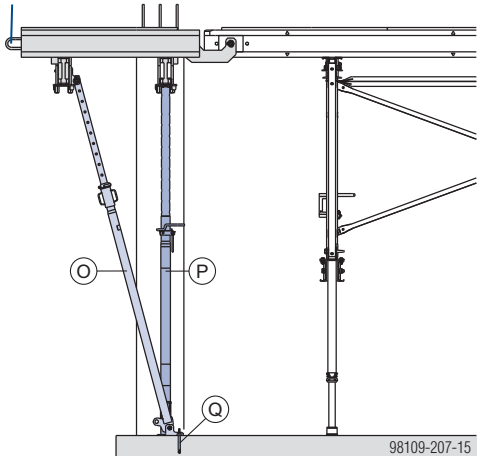
E Strut shoe EB

O Plumbing strut

➤ Fix the plumbing strut to the ground with a Doka express anchor.

Follow the directions in the 'Doka express anchor 16x125mm' Fitting Instructions!

➤ Put up the floor prop with supporting head.



O Plumbing strut

P Floor prop Eurex top

Q Doka express anchor 16x125mm

Tableform closed:

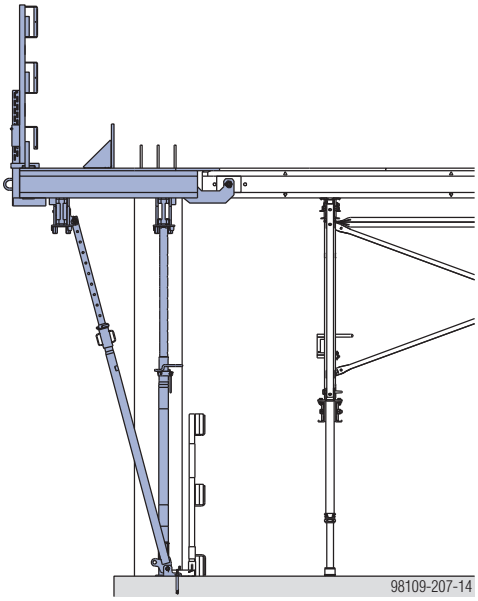
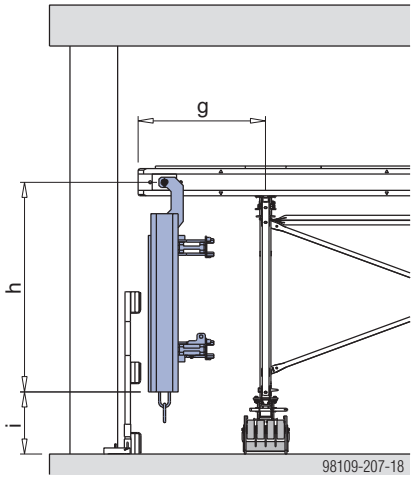


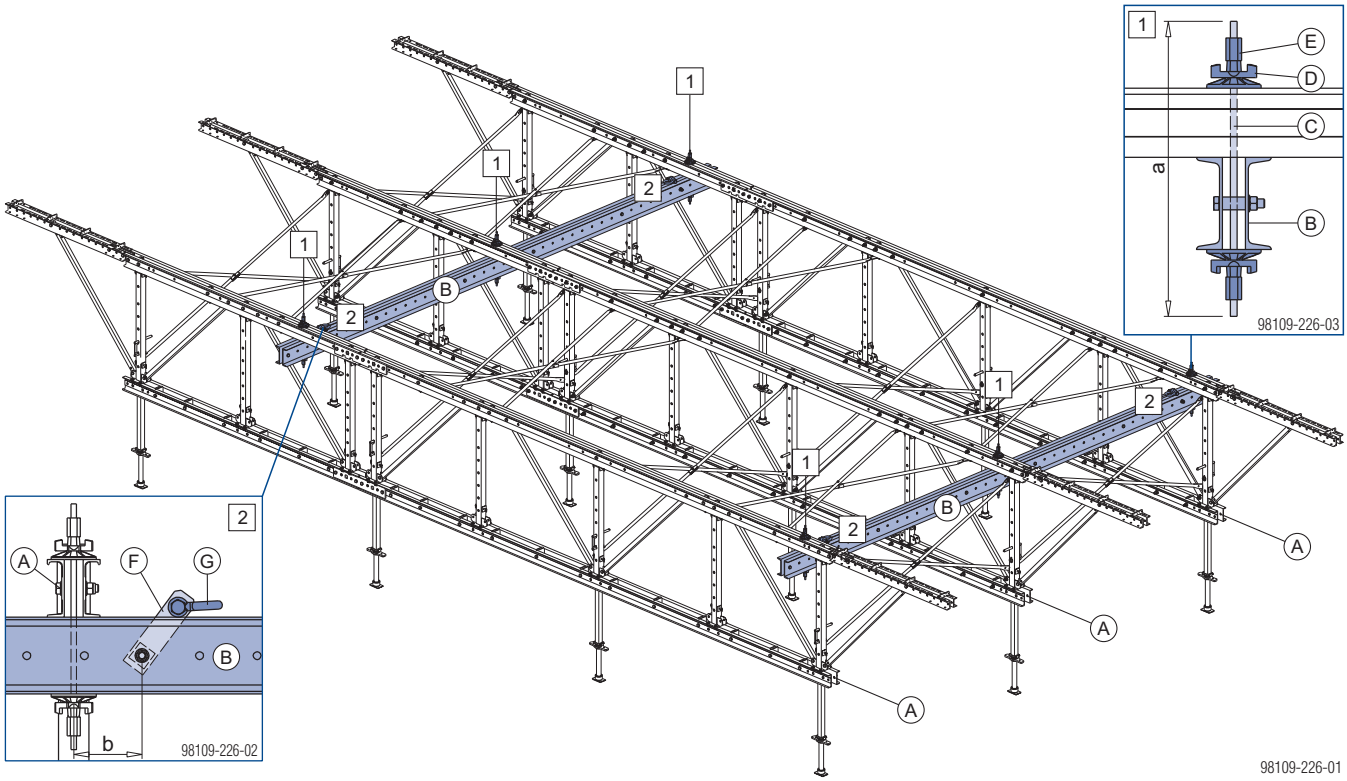
Table while being repositioned:



g ... min. 2'-0" (60.0 cm)
h ... max. 5'-8" (1.73 m)
i ... approx. 1'-6" (45.0 cm)

Table with 3 truss sections

A table with 3 truss sections and a width of up to 34’-5" (10.50 m) can be repositioned in a single crane cycle. To do this, spreader beams with crane hoisting points are mounted at right angles to the truss sections.



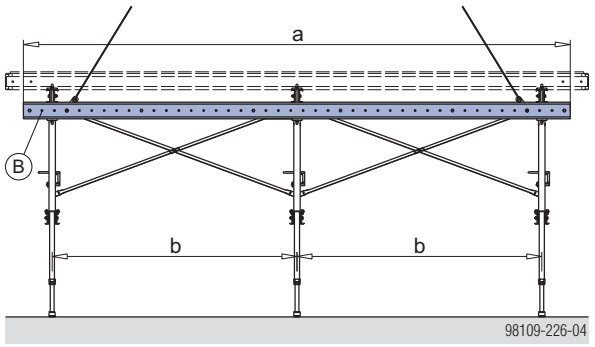
Drawing not showing the superstructure
a ... 2’-1 $^{1}/_{2}$" (650 mm)
b ... max. 10" (255 mm)

A	Truss section
B	Spreader beam (e.g. two C8 profiles or U200 S235 profiles; see shop drawing / assembly plan)
C	Tie rod 15.0mm
D	Super plate 15.0
E	Hexagon nut 15.0 (width-across 30 mm)
F	Lifting adapter TT
G	Shackle Xclimb 60 6.5t

Each shackle is supplied with:
- 1 threaded bolt M24x115
- 1 hexagon nut M24
- 1 cotter pin

Follow the directions in the "Shackle Xclimb 60 6.5t" Operating Instructions!

Nuts & bolts, etc. needed for each lifting adapter:
- 1 hexagon bolt M20x100
- 1 hexagon nut M20
- 1 washer 20



a ... max. 34’-5" (10.50 m)
b ... 3’ 3 $^{1}/_{8}$" (1.00 m) to 12’-0" (3.60 m)

B	Spreader beam (e.g. two C8 profiles or U200 S235 profiles; see shop drawing / assembly plan)

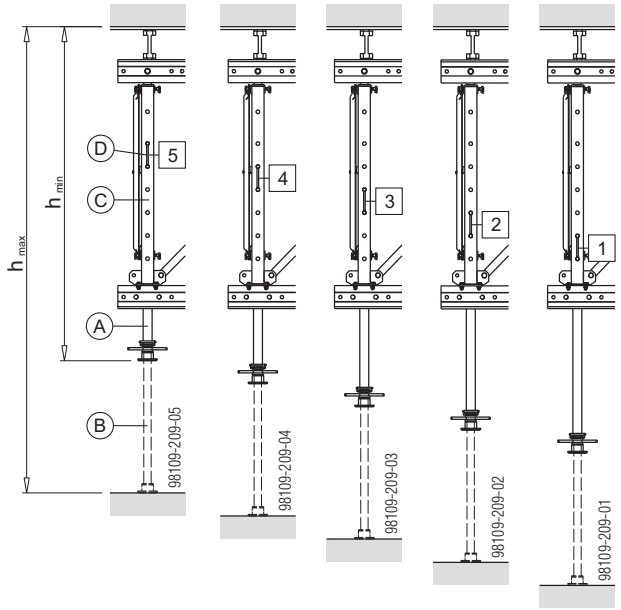
Note:
Separate statical verification must be performed for tables with 3 truss sections weighing more than 15430 lbs (7000 kg).

Height adjustment

Room heights up to 13’-1 1/2" (4.00 m)

- Rough adjustment in 6" (15 cm) increments is carried out by pinning the feet to the segment in one of 5 possible positions.
- Fine adjustment is made with the screw jack feet.

Positions for fixing the feet to the Segment TT



A	Adjustment leg TT or Adjustment leg TT 2G
B	Screw jack foot TT
C	Segment TT
D	Fastening bolt TT

With Screw jack foot TT 3’-2"

Room height **(h)**		Fixing position
h min*	h max	
7’-5" (227 cm)	10’-1 1/2" (310 cm)	**Pos. 5**
7’-11" (242 cm)	10’-7 1/2" (325 cm)	**Pos. 4**
8’-5" (257 cm)	11’-1 1/2" (340 cm)	**Pos. 3**
8’-11" (272 cm)	11’-7 1/2" (355 cm)	**Pos. 2**
9’-5" (287 cm)	12’-1 1/2" (370 cm)	**Pos. 1**

With Screw jack foot TT 4’-2"

Room height **(h)**		Fixing position
h min*	h max	
7’-11" (242 cm)	11’-1 1/2" (340 cm)	**Pos. 5**
8’-5" (257 cm)	11’-7 1/2" (355 cm)	**Pos. 4**
8’-11" (272 cm)	12’-1 1/2" (370 cm)	**Pos. 3**
9’-5" (287 cm)	12’-7 1/2" (385 cm)	**Pos. 2**
9’-11" (302 cm)	13’-1 1/2" (400 cm)	**Pos. 1**

*) Stripping allowance: 0’-2" (5 cm) (already allowed for in the table)
Table superstructure: Doka beam H20 and plywood 3/4" (19 mm) (already allowed for in the table)

NOTICE

Reduction in the permitted leg loads must be taken into account, depending on the room height (see the section headed "Structural design")!

Room heights over 13’-1 1/2 " (4.00 m)

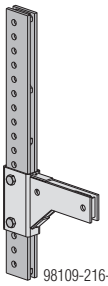
Note:

For room heights over 13’-1 1/2" (4,00 m), instead of the feet Doka Super Props are mounted on the segment by means of Table heads Super Prop TT.
Consult your Doka technician for details.

Drop beams

at the slab edge

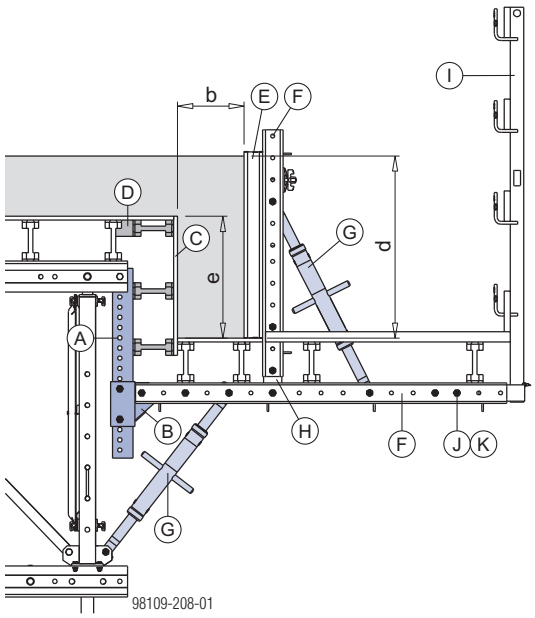
with Drop beam connector TT and Drop beam waling TT



- For drop beam heights between 8" (20 cm) and 2'-5 1/2" (75 cm), in 2" (5 cm) increments.
  For heights of drop beams outside the 2" (5 cm) grid: see project plan.
- For bulkhead heights of up to 2'-11 1/2" (90 cm).

Note:

For drop beams, separate statical verification must be performed.

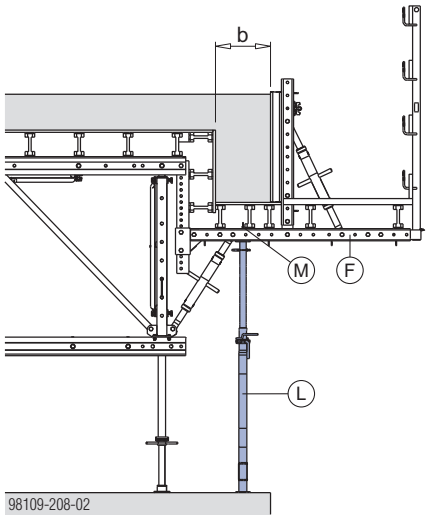


b ... max. 1'-0" (30 cm)
d ... max. 2'-11 1/2" (90 cm)
e ... 8" (20 cm) to 2'-5 1/2" (75 cm)

A	Drop beam waling TT
B	Drop beam connector TT
C	Formwork sheet
D	Wooden spacer (size as needed)
E	Frami panel (size as needed)
F	Multi-purpose waling WS10 Top50
G	Spindle strut T7 75/110cm
H	Formwork element connector FF20/50
I	Handrail post T 1.80m (optionally with Toeboard holder T 1.80m)
J	Connecting pin 10cm
K	Spring cotter 5mm

Note:

Drop beams with a width 'b' greater than 1'-0" (30 cm) require additional propping with Floor props Eurex top.



b ... dependent on the length of the multi-purpose waling and on the load-bearing capacity of the floor prop

F	Multi-purpose waling WS10 Top50
L	Floor prop Eurex top
M	Dokamatic strut connection

Note:

For forming larger sized drop beams, ask your Doka technician!

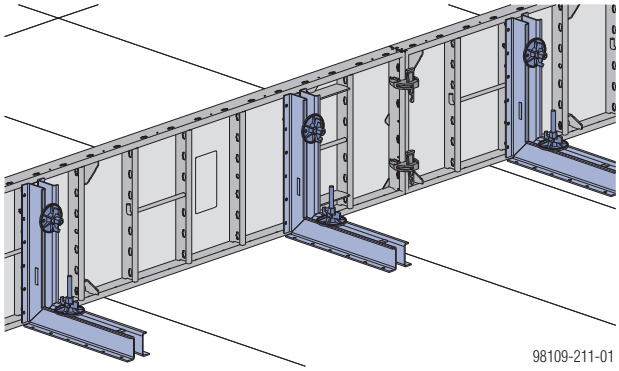
in mid-slab

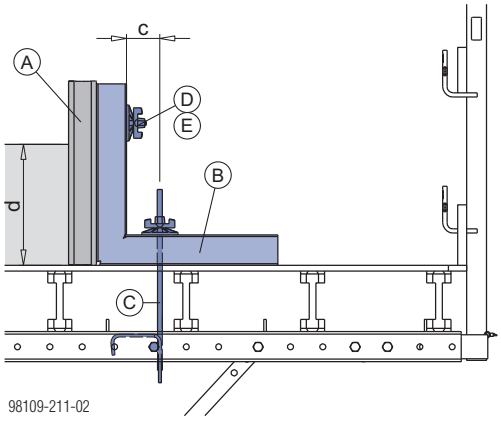
Note:

For forming drop beams in mid-slab, ask your Doka technician!

Slab bulkheads

with Framax universal corner waling





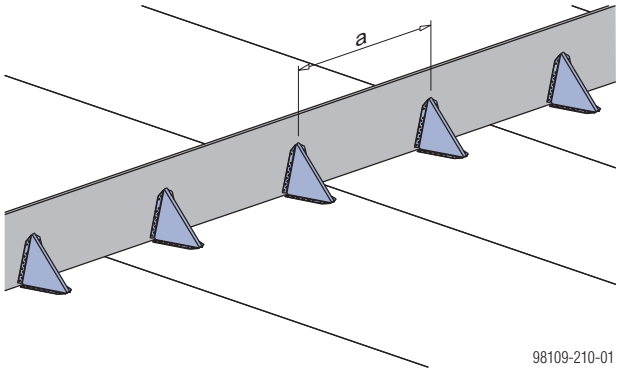
c ... 2 1/3" (6 cm) to 6 1/3" (16 cm)
d ... Slab thickness max. 1'-4" (40 cm)

A	Frami panel
B	Framax universal corner waling
C	Dokamatic edge clamp
D	Super plate 15.0
E	Frami universal fixing bolt 5-12cm

Use a 3/4" (20 mm) diameter bit to drill the holes through the plywood.

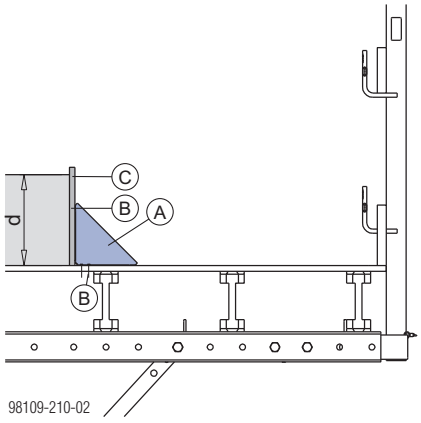
Unneeded holes in the plywood should be closed off on the site with Universal plugs R20/25.

with Universal end-shutter support 30cm



Config-uration	Fastened with	Max. influence width **a** for slabs of thickness 8" (20 cm)	10" (25 cm)	1'-0" (30 cm)
A	4 nails 10d (3.1x80)	2' 11 1/2" (90 cm)	1'-8" (50 cm)	1'-0" (30 cm)
B	4 Spax screws 3/16" x 1 3/4" (4x40) (fully threaded)	7'-2 1/2" (220 cm)	6'-3" (190 cm)	5'-3" (160 cm)

Fastened with nails (configuration A)

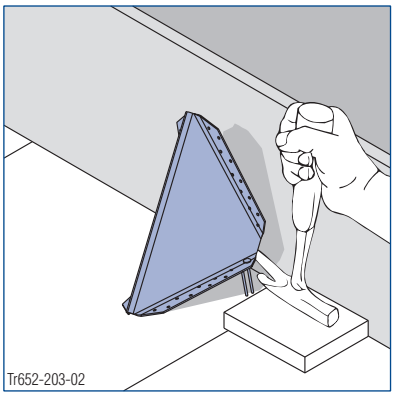


d ... Slab thickness max. 1'-0" (30 cm)

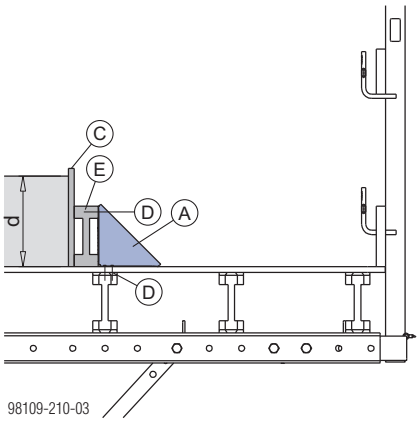
A	Universal end-shutter support 30cm
B	Nail 10d (3.1x80)
C	Formwork sheet

Stripping tip:

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



Fastened with Spax screws (configuration B)



d ... Slab thickness max. 1'-0" (30 cm)

A	Universal end-shutter support 30cm
C	Formwork sheet
D	Spax screw $^{3}/_{16}$" x 1 $^{3}/_{4}$" (4x40)
E	Doka beam H20

Fall protection on the formwork

CAUTION

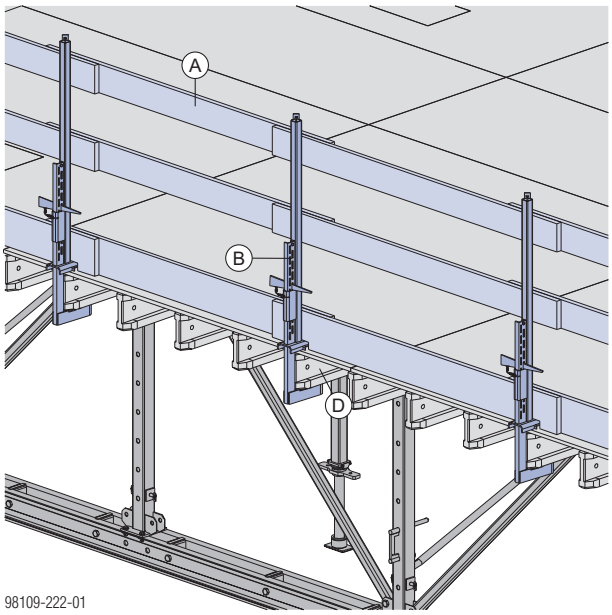
➤ Use the Edge protection system XP only in combination with the Handrail post XP 1.20m.

NOTICE

- Ideally, fall protection should be mounted from below.
- When installing/removing edge protection from above, the crew must use a personal fall-arrest system to protect against falls (e.g. safety harness).
- Suitable anchorage points must be defined by a skilled person appointed by the contractor.

Follow the directions in the 'Edge protection system XP' User Information booklet.

Handrail clamp S



A	Guardrail plank
B	Handrail clamp S
D	Joist

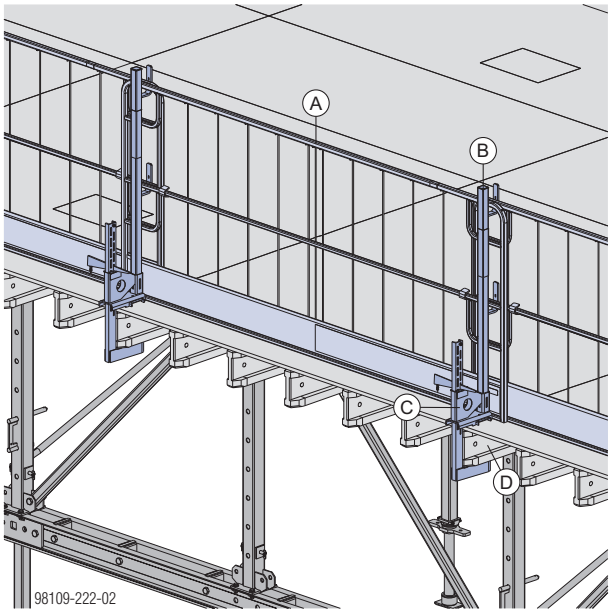
Assembly:

➤ Wedge the handrail clamps firmly to the joists (clamping range 3/4" (2 cm) to 1'-5" (43 cm)).

➤ Secure the guardrail planks to the handrail post plates.

Follow the directions in the User Information booklet "Handrail clamp S"!

Edge protection system XP



A	Protective grating or guardrail planks
B	Handrail post XP 1.20m
C	Railing clamp XP 40cm
D	Joist

Assembly:

➤ Wedge the Railing clamps XP firmly to the joists (clamping range 3/4" (2 cm) to 1'-5" (43 cm)).

➤ Push the Handrail posts XP 1.20m into the post-holding fixtures on the railing clamps until the locking mechanism engages.

➤ Fit on a Protective grating XP or guardrail planks.

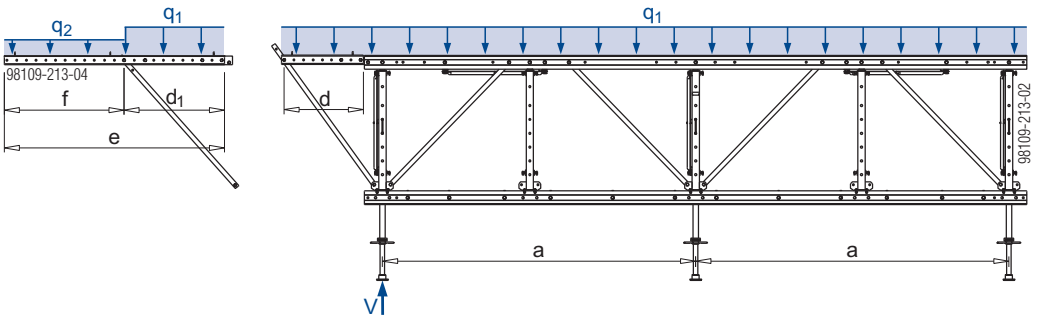
➤ Fix the Protective grating XP or the guardrail planks to the Handrail post XP.

Follow the directions in the User Information booklet "Edge protection system XP"!

Structural design

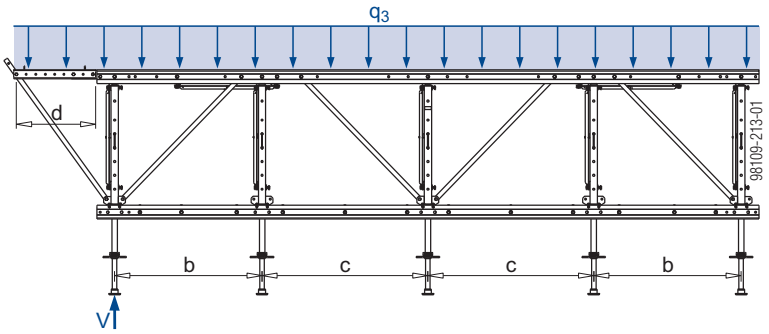
Follow the directions in the Calculation Guide 'DokaTruss table' or ask your Doka technician.

Segment TT 24'-0" 2G with 3 feet and 5 Standards TT



Segment TT 24'-0" 2G with 5 feet and 5 Standards TT

- Separate statical verification must be performed!



a ... 11'-4" (345.5 cm)
b ... 5'-0" (162.5 cm)
c ... 6'-0" (183.0 cm)
d ... 2'-10 1/2" (87.4 cm)
d_1 ... 3'-7 1/2" (110.8 cm)
e ... 8'-0" (245.0 cm)
f ... 4'-4" (132.0 cm)

NOTICE

Reduction in the permitted leg loads must be taken into account, depending on the room height!

Permitted load

- Concrete load
- Live load
- Dead weight of the table incl. superstructure

q_1 = 2 kips/ft (29 kN/m)
q_2 = 0.3 kips/ft (5 kN/m)
q_3 = 3.15 kips/ft (46 kN/m)

Max. point load on the bottom chord (during repositioning)
F_1 = 10 kips (45 kN)
F_2 = 2.25 kips (10 kN)

See the section headed "Additional measures for large tables".

Max. leg load
V = 22,5 kips (100 kN)

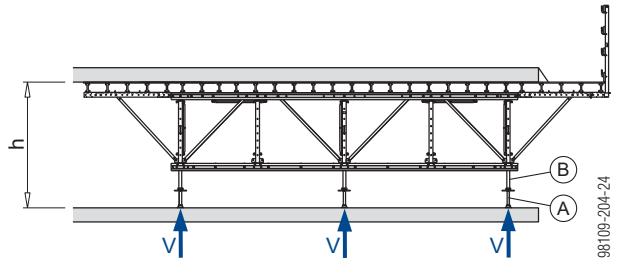
for room heights of up to 9'-5" (2.87 m) (Adjustment leg TT) or 10'-1 1/2" (3.10 m) (Adjustment leg TT 2G)

Permitted leg loads, depending on the room height

The permitted leg loads depend on the following factors:

- **screw-jack foot** used
  (Screw-jack foot TT 3' 2" or Screw-jack foot TT 4' 2")
- **adjustment leg** used
  (Adjustment leg TT or Adjustment leg TT 2G)
- **Positions** for fixing the feet to the Segment (1 - 5)

(See the section headed "Height adjustment")

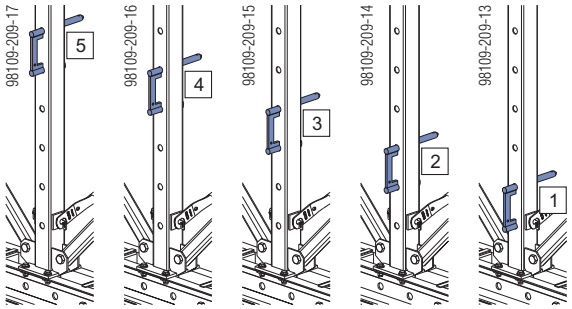


h ... Room height

A Screw jack foot TT 3'-2" or Screw jack foot TT 4'-2"

B Adjustment leg TT or Adjustment leg TT 2G

Fixing positions



NOTICE

The leg loads stated here apply only for top-held tables. No horizontal loads are transferred!

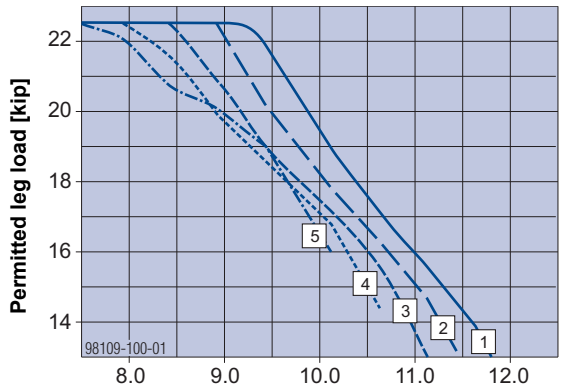
Note:

For room heights over 13'-1 $^{1}/_{2}$" (4,00 m), instead of the feet Doka Super Props are mounted on the segment by means of Table heads Super Prop TT.
Consult your Doka technician for details.

Screw jack foot TT 3'-2" (imperial)

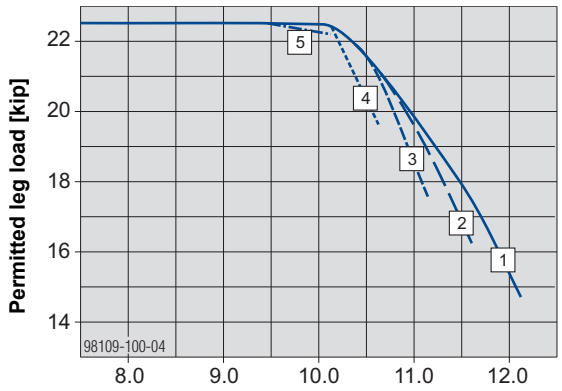
Permitted leg load [kip] **Adjustment leg TT**

Room height h [ft]	Fixing position				
	Pos. 5	Pos. 4	Pos. 3	Pos. 2	Pos. 1
7'-5"	**22.5**	—	—	—	—
7'-11"	22.1	**22.5**	—	—	—
8'-5"	20.7	21.6	**22.5**	—	—
8'-11"	20.1	19.9	20.9	**22.5**	—
9'-5"	19.0	18.7	19.0	20.2	21.9
10'-1 1/2"	16.0	16.8	17.2	17.8	18.9
10'-7 1/2"	—	14.4	15.6	16.3	17.1
11'-1 1/2"	—	—	13.1	14.7	15.6
11'-7 1/2"	—	—	—	12.2	13.9
12'-1 1/2"	—	—	—	—	11.4



Permitted leg load [kip] **Adjustment leg TT 2G**

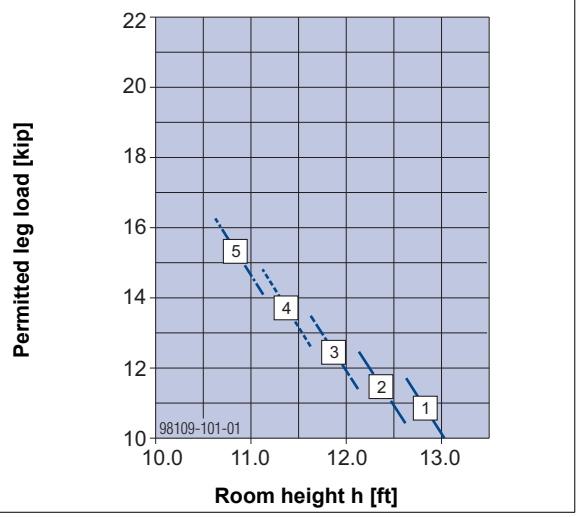
Room height h [ft]	Fixing position				
	Pos. 5	Pos. 4	Pos. 3	Pos. 2	Pos. 1
7'-5"	**22.5**	—	—	—	—
7'-11"	**22.5**	**22.5**	—	—	—
8'-5"	**22.5**	**22.5**	**22.5**	—	—
8'-11"	**22.5**	**22.5**	**22.5**	**22.5**	—
9'-5"	**22.5**	**22.5**	**22.5**	**22.5**	**22.5**
10'-1 1/2"	22.2	**22.5**	**22.5**	**22.5**	**22.5**
10'-7 1/2"	—	19.6	21.1	21.2	21.2
11'-1 1/2"	—	—	17.6	19.1	19.4
11'-7 1/2"	—	—	—	16.1	17.6
12'-1 1/2"	—	—	—	—	14.6



Screw jack foot TT 4'-2" (imperial)

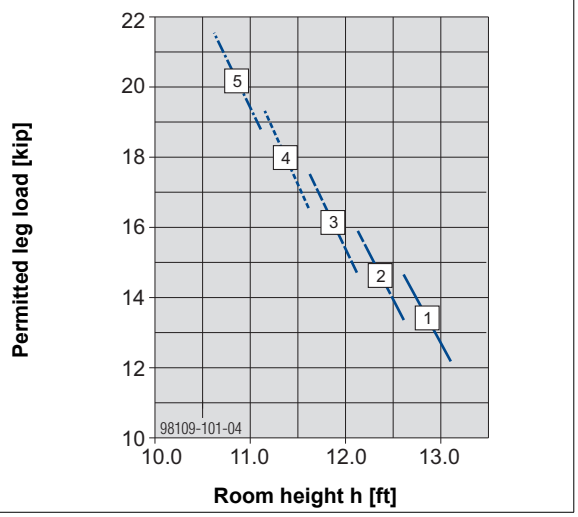
Permitted leg load [kip] **Adjustment leg TT**

Room height h [ft]	Fixing position				
	Pos. 5	Pos. 4	Pos. 3	Pos. 2	Pos. 1
10'-7 1/2"	16.3	Screw jack foot TT 3'-2"			
11'-1 1/2"	14.1	14.8			
11'-7 1/2"	—	12.6	13.5		
12'-1 1/2"	—	—	11.4	12.5	
12'-7 1/2"	—	—	—	10.4	11.7
13'-1 1/2"	—	—	—	—	9.6



Permitted leg load [kip] **Adjustment leg TT 2G**

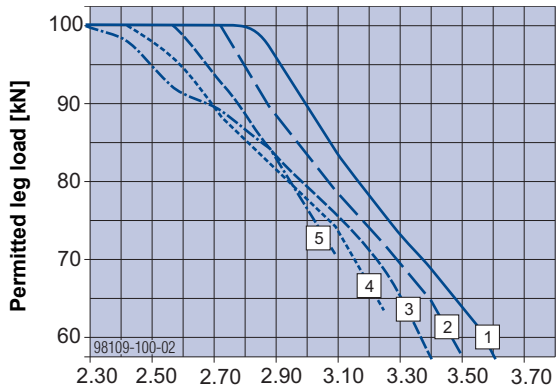
Room height h [ft]	Fixing position				
	Pos. 5	Pos. 4	Pos. 3	Pos. 2	Pos. 1
10'-7 1/2"	21.5	Screw jack foot TT 3'-2"			
11'-1 1/2"	18.7	19.5			
11'-7 1/2"	—	16.5	17.5		
12'-1 1/2"	—	—	14.7	15.9	
12'-7 1/2"	—	—	—	13.3	14.6
13'-1 1/2"	—	—	—	—	12.1



Screw jack foot TT 3'-2" (metric)

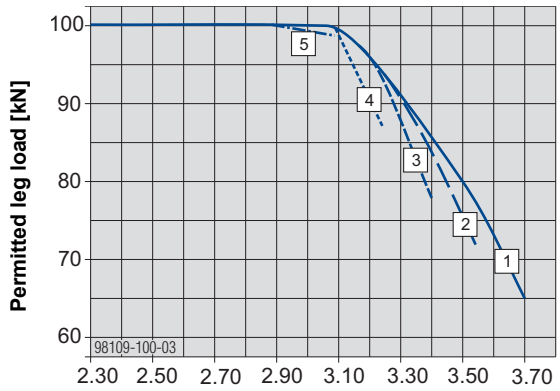
Permitted leg load [kN] **Adjustment leg TT**

Room height h [m]	Fixing position				
	Pos. 5	Pos. 4	Pos. 3	Pos. 2	Pos. 1
2.27	**100.0**	—	—	—	—
2.42	98.3	**100.0**	—	—	—
2.57	92.1	96.1	**100.0**	—	—
2.72	89.4	88.5	93.0	**100.0**	—
2.87	84.5	83.2	84.5	89.9	97.4
3.10	71.2	74.7	76.5	79.2	84.1
3.25	—	64.1	69.4	72.5	76.1
3.40	—	—	58.3	65.4	69.4
3.55	—	—	—	54.3	61.8
3.70	—	—	—	—	50.7



Permitted leg load [kN] **Adjustment leg TT 2G**

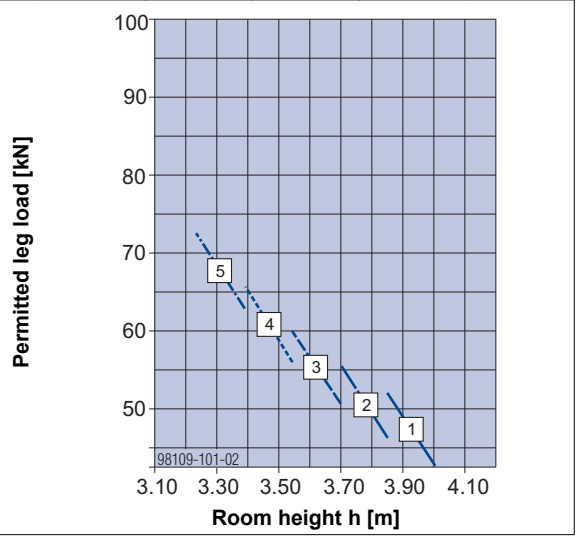
Room height h [m]	Fixing position				
	Pos. 5	Pos. 4	Pos. 3	Pos. 2	Pos. 1
2.27	**100.0**	—	—	—	—
2.42	**100.0**	**100.0**	—	—	—
2.57	**100.0**	**100.0**	**100.0**	—	—
2.72	**100.0**	**100.0**	**100.0**	**100.0**	—
2.87	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
3.10	98.8	**100.0**	**100.0**	**100.0**	**100.0**
3.25	—	87.2	93.9	94.3	94.3
3.40	—	—	78.3	85.0	86.3
3.55	—	—	—	71.6	77.4
3.70	—	—	—	—	64.9



Screw jack foot TT 4'-2" (metric)

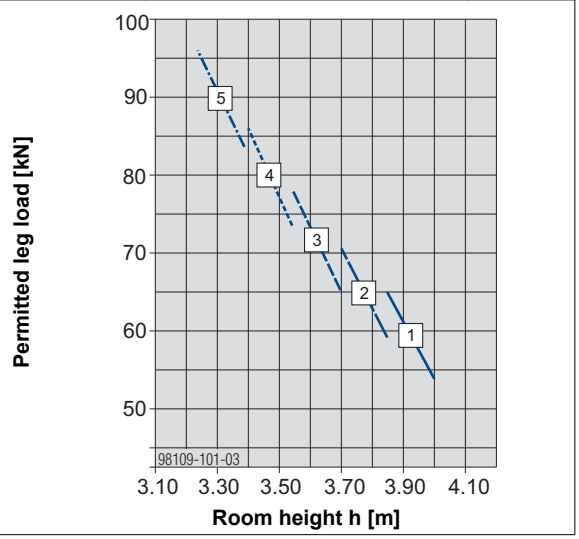
Permitted leg load [kN] **Adjustment leg TT**

Room height h [m]	Fixing position				
	Pos. 5	Pos. 4	Pos. 3	Pos. 2	Pos. 1
3.25	72.5	Screw jack foot TT 3'-2"			
3.40	62.7	65.8			
3.55	—	56.0	60.1		
3.70	—	—	50.7	55.6	
3.85	—	—	—	46.3	52.0
4.00	—	—	—	—	42.7



Permitted leg load [kN] **Adjustment leg TT 2G**

Room height h [m]	Fixing position				
	Pos. 5	Pos. 4	Pos. 3	Pos. 2	Pos. 1
3.25	95.6	Screw jack foot TT 3'-2"			
3.40	83.2	86.7			
3.55	—	73.4	77.8		
3.70	—	—	65.4	70.7	
3.85	—	—	—	59.2	64.9
4.00	—	—	—	—	53.8



Repositioning

General instructions on repositioning

WARNING

➤ The conveyance of persons is forbidden!

➤ Before repositioning the tableform, remove any loose items (e.g. fitting planks) from it.

NOTICE

- It is only permitted to travel tables that have been assembled and braced in accordance with the assembly plans and erection rules given in the User Information booklet.
- Exposed fall-hazard locations open up at the slab edge while repositioning the table. The whole area around the table to be repositioned must be closed off by attaching an access prohibition barrier.
- Use personal fall-arrest systems to protect against falls (e.g. safety harness).

- It is forbidden for any third persons to linger in the immediate danger zone!
- Use tag-lines to ensure that the table is safely guided during the entire traveling operation.
- Stand tables unaided on firm, horizontal surfaces only.
- A suitable holdback restraint must be in place.
- Only use mechanical assistance described in this booklet for the traveling operation!
- Keep the travel route clean and free of any obstacles.
- The table must not be loaded – not even temporarily with e.g. a stack of panels – until it has been completely erected according to plan (after extending the required feet).

NOTICE

Observe the following points for horizontal traveling:

- Take particular care with:
  - height offsets
  - steps
  - floor holes
- Bridge any openings in the floor with sufficiently strong planking secured so that it cannot slip away to either side, or close off openings with sufficiently strong side railings!

NOTICE

Observe the following points for vertical repositioning by crane:

- It is important to ensure that the crane has sufficient lifting capacity.
- It is important to ensure that the lifting chains/cables have sufficient lifting capacity, as a function of the spread-angle.
- Take into account the space needed to reposition the formwork. Consider any obstacles, such as buildings, roads, high-tension power lines or cranes, in the vicinity!
- Max. wind speed during repositioning: 25 mph (40 km/h).

Note:

- Depending on the project, the actual repositioning procedure may differ from the descriptions given in this booklet.
- Follow the shop drawing / assembly plan or ask your Doka technician.

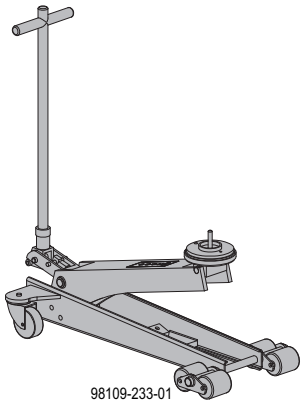
Lowering

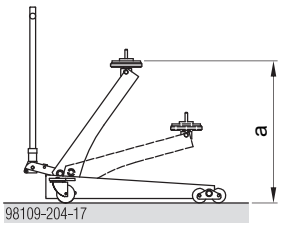
Lowering device TT

The Lowering device TT is used to lower the DokaTruss table onto the Trolley TT and the Edge roller TT.

NOTICE

Traveling the table with the lowering devices is prohibited!





a ... 5 1/8" - 2'-6" (13 - 76 cm)

Note:

- Consult your Doka technician if a lowering height in excess of 2'-6" (76 cm) is required!
- At least 4 lowering devices are needed to lower the DokaTruss table!

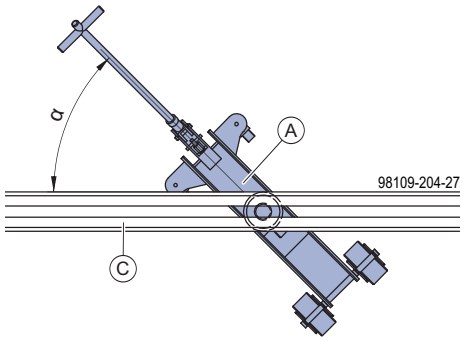
Max. load per lowering device:
4410 lbs (2000 kg)

Follow the directions in the Operating Instructions!

Positions under the DokaTruss table

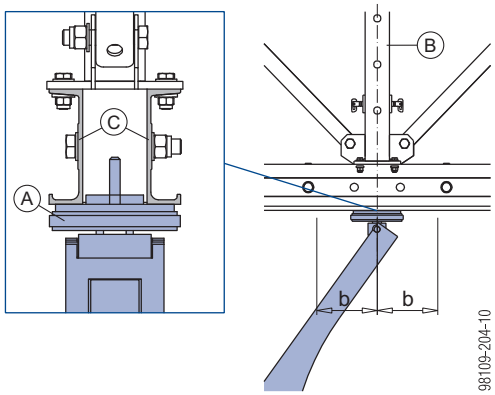
NOTICE

Do not position lowering device **(A)** parallel with or at a right angle to bottom chord **(C)** !



α ... approx. 45°

On the bottom chord in the area of a vertical leg



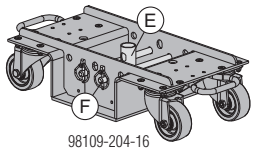
Area b ... max. 8" (20 cm)

A	Lowering device TT 5 1/8" - 2'-6" 2G
B	Vertical leg (with no foot)
C	C6 Alu Channel bottom TT (bottom chord)

Horizontal traveling

Trolley TT

The Trolley TT is used to travel the DokaTruss table horizontally. Trolley and table are moved together.



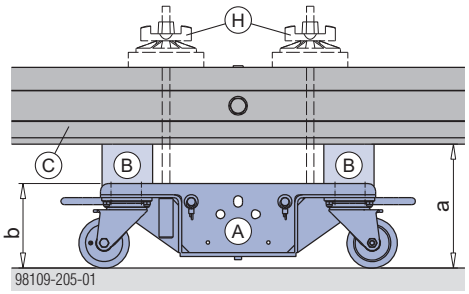
E Adapter (for use with a floor prop)
F Fastening bolt TT D16/245

At least 2 trolleys are needed to travel the DokaTruss table!

Max. load per trolley: 3150 lbs (1430 kg)

Standard use

➤ Screw sleepers to the trolley.



a ... 10" (25 cm) (= height of edge roller)
b ... 6" (15 cm)

A Trolley TT
B Sleeper 4x4 x 8" (10 x 10 x 20 cm) (W x H x L) screwed to the trolley
C Segment TT
H (Optional) fixing to the DokaTruss table

If necessary, the Trolley TT can be fixed to the table with a Tie rod 15.0mm + sleeper + Super plate 15.0.

Use with the Screw jack foot TT

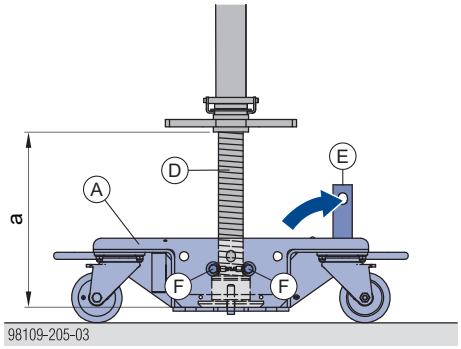
NOTICE

Do not extend the screw jack foot to the full length of its thread!

➤ Extend the screw jack foot to a maximum of 12" (30 cm).

➤ Bolt the adapter to the stand-by position.

➤ Position the Screw jack foot TT and secure it with 2 fastening bolts.



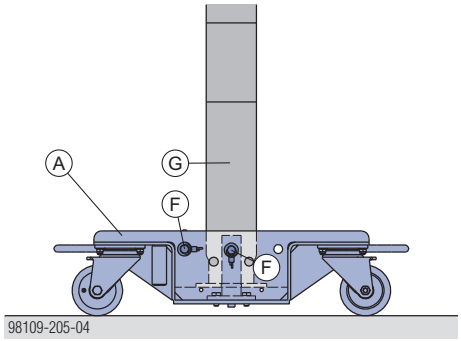
a ... max. 12" (30 cm)

A Trolley TT
D Screw jack foot TT
E Adapter (in stand-by position)
F Fastening bolt TT D16/245

Use with a floor prop

Note:
For room heights over 13'-1 1/2" (4,00 m), instead of the feet Doka Super Props are mounted on the segment by means of Table heads Super Prop TT.
Consult your Doka technician for details.

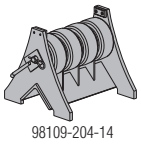
➤ Position the floor prop and secure it with fastening bolts.

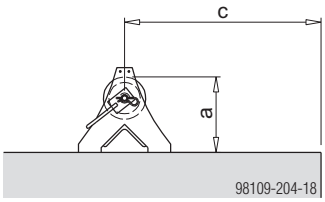


A Trolley TT
F Fastening bolt TT D16/245
G Floor prop

Edge roller TT

The Edge roller TT is used to travel the DokaTruss table horizontally. It is firmly placed on the floor-slab (in the area of the slab edge). The table is traveled on the rollers.





a ... 10" (25 cm)
c ... Distance from the slab edge min. 2'-0" (60 cm)

2 Edge rollers TT are needed to travel the DokaTruss table!

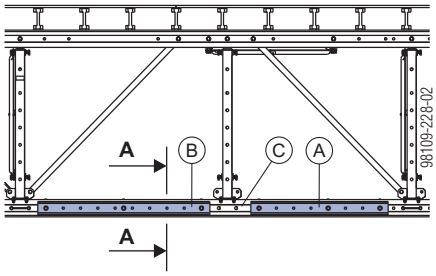
Max. load per Edge roller TT:
8100 lbs (3670 kg)

NOTICE

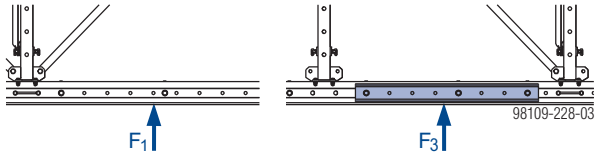
- Position the Edge roller TT a safe distance away from the slab edge!
- Secure the Edge roller TT so that it cannot fall off!

Additional measures for large tables

The Strengthening profile TT is used for stiffening the bottom chord of large DokaTruss tables during repositioning. It is bolted onto the bottom chord of the Segment TT.



A Strengthening profile TT 4'-0"
B Strengthening profile TT 5'-0"
C Segment TT (bottom chord)

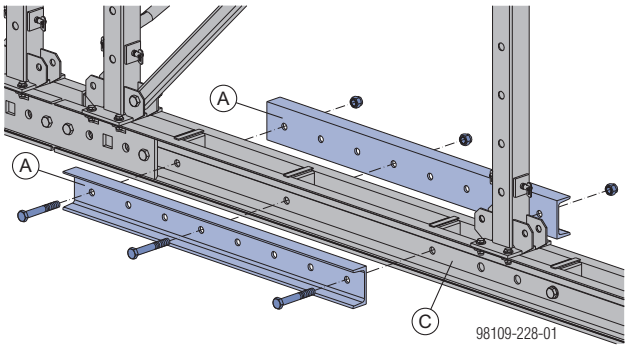


F_1 ... Max. point load (without strengthening profile):
10 kips (45 kN)

F_3 ... Max. point load (with strengthening profile):
15.2 kips (68 kN)

Assembly:

➤ Bolt Strengthening profiles TT to either side of the bottom chord of the Segment TT.
Width-across 30 mm

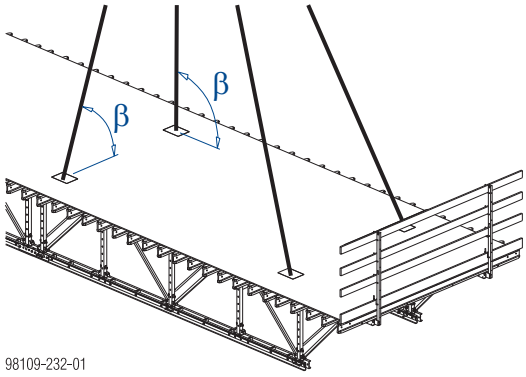


A Strengthening profile TT
C Segment TT (bottom chord)

Nuts & bolts, etc. needed for every 2 Strengthening profiles TT:

- 3 hexagon bolts M20x140
- 3 hexagon nuts M20

Vertical repositioning by crane

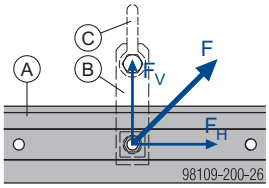


β ... min. 60°

Crane hoisting points

Table with 2 truss sections

Mounted to Segment TT (top chord):



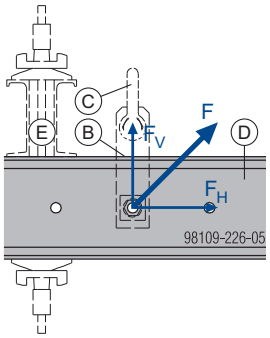
A	Segment TT (top chord)
B	Lifting adapter TT
C	Shackle Xclimb 60 6.5t

F ... Max. load:
14.6 kips (65 kN)

F_H ... Resulting horizontal force:
max. 1,4 kips (6 kN) - otherwise additional measures are needed.

Table with 3 truss sections

Mounted to the spreader beam:



D	Spreader beam (e.g. two C8 profiles or U200 S235 profiles; see shop drawing / assembly plan)
B	Lifting adapter TT
C	Shackle Xclimb 60 6.5t
E	Truss section

F ... Max. load:
7.3 kips (32.5 kN)

Note:
Separate statical verification must be performed for tables with 3 truss sections weighing more than 15430 lbs (7000 kg).

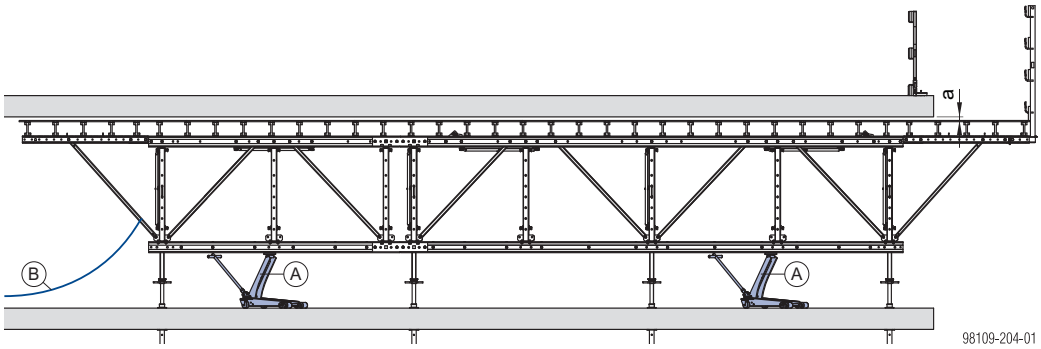
Crane rigging with electric chain/cable hoist

A crane rigging with electric chain/cable hoist is used for vertical repositioning of the DokaTruss table. The electric chain/cable hoist is mounted to the rear lifting chains/cables. With remote control in hand, the operator stands on the top floor-slab, maintaining visual contact with the DokaTruss table to be repositioned. Required **chain/cable length** as shown in the shop drawing.

Repositioning operation

➤ Secure the table to the building with securing cables.

➤ Position each lowering device underneath the partially lowered (min. 4" (10 cm)) DokaTruss table so that the lowering device is in contact with the table (see the sections headed 'Stripping and resetting the formwork' and 'Lowering device TT').



a ... min. 4" (10 cm)

A Lowering device TT 5 1/8" - 2'-6" 2G

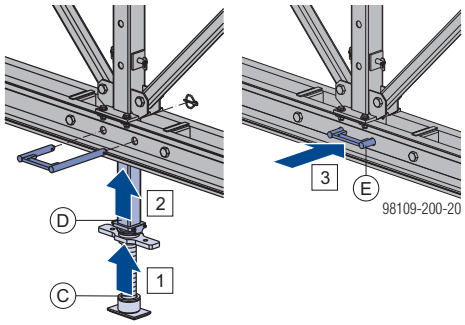
B Securing cable

The table rests on the lowering device.

Check that the table remains securely supported by all 4 lowering devices as the feet are being retracted!

Fully retract all the feet.

1) Screw in the Screw jack feet TT **(C)** .
2) Retract Adjustable legs TT or adjustable legs TT 2G **(D)** .
3) Pin the feet in place with Fastening bolts TT **(E)** and secure them with linch pins.

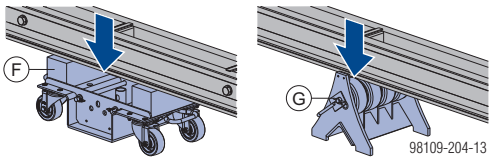


NOTICE

- Traveling the table with the lowering devices is prohibited!
- Keep the lowering action uniform!
- Note the diminishing height of the table as lowering progresses!

➤ Position the Trolleys TT and Edge rollers TT centered underneath the bottom chords.

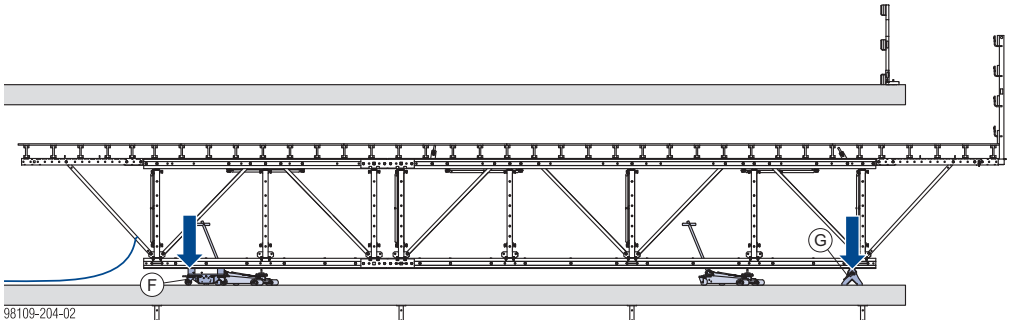
➤ Lower the table uniformly with the 4 lowering devices (1 operator per lowering device).



F Trolley TT

G Edge roller TT

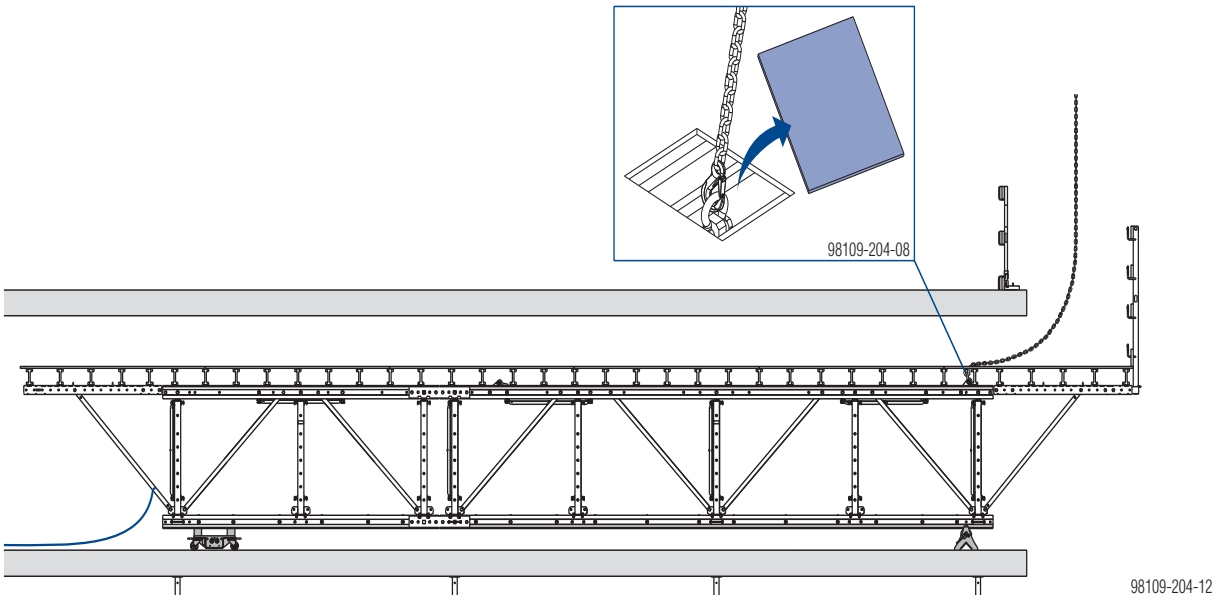
The table now rests on the trolleys and on the edge rollers.



F Trolley TT

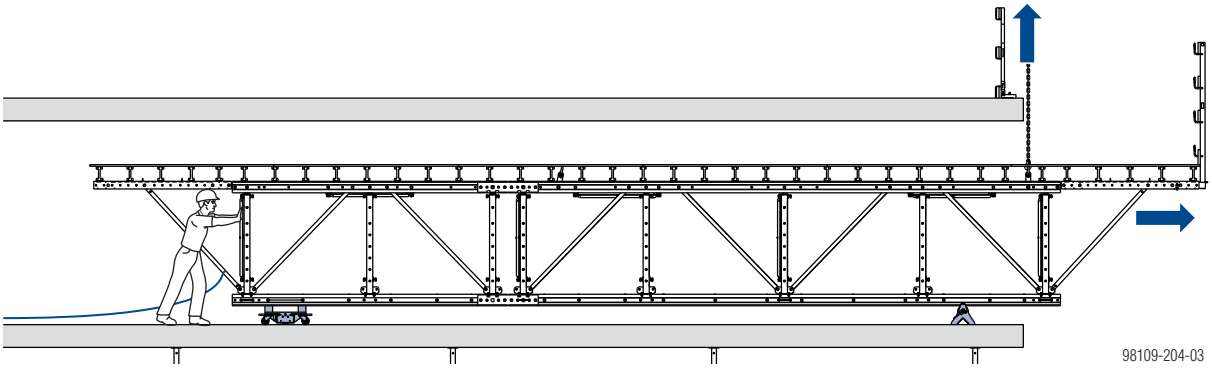
G Edge roller TT

➤ Remove the lowering devices.
➤ Attach the front lifting chains or cables to the front crane hoisting points.



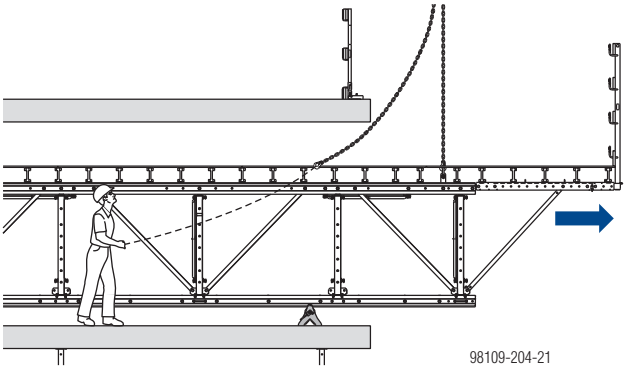
➤ Push the table out of the building until the front chains or cables are beyond the slab edge.

➤ Slightly raise the table by crane so that the front chains or cables become taut.



Using an electric winch makes the tables easier to move. For more information, please contact your Doka technician.

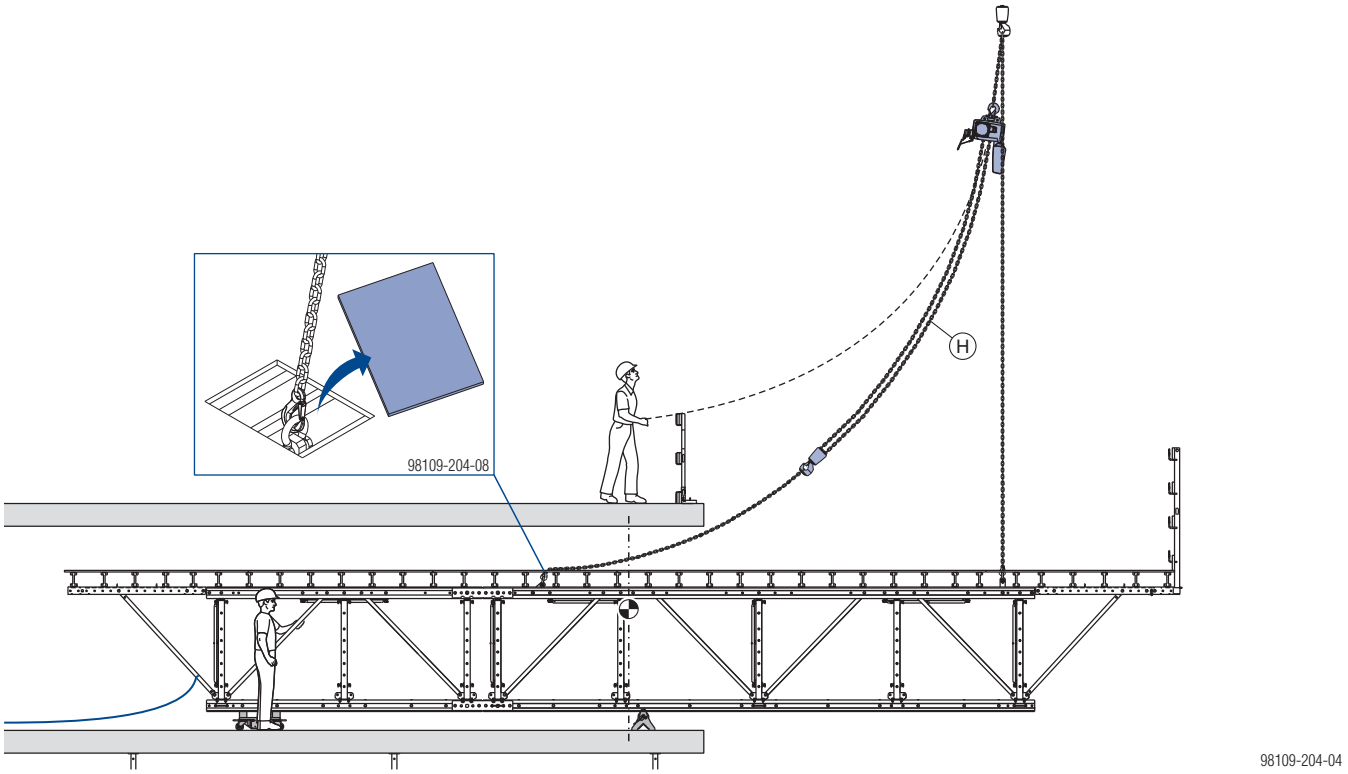
➤ Push the table further out of the building until the rear crane hoisting points can be reached with the rear chains or cables.
➤ While pushing the table further out, hold the rear chains or cables back from inside the building (e.g. with a cable).



NOTICE

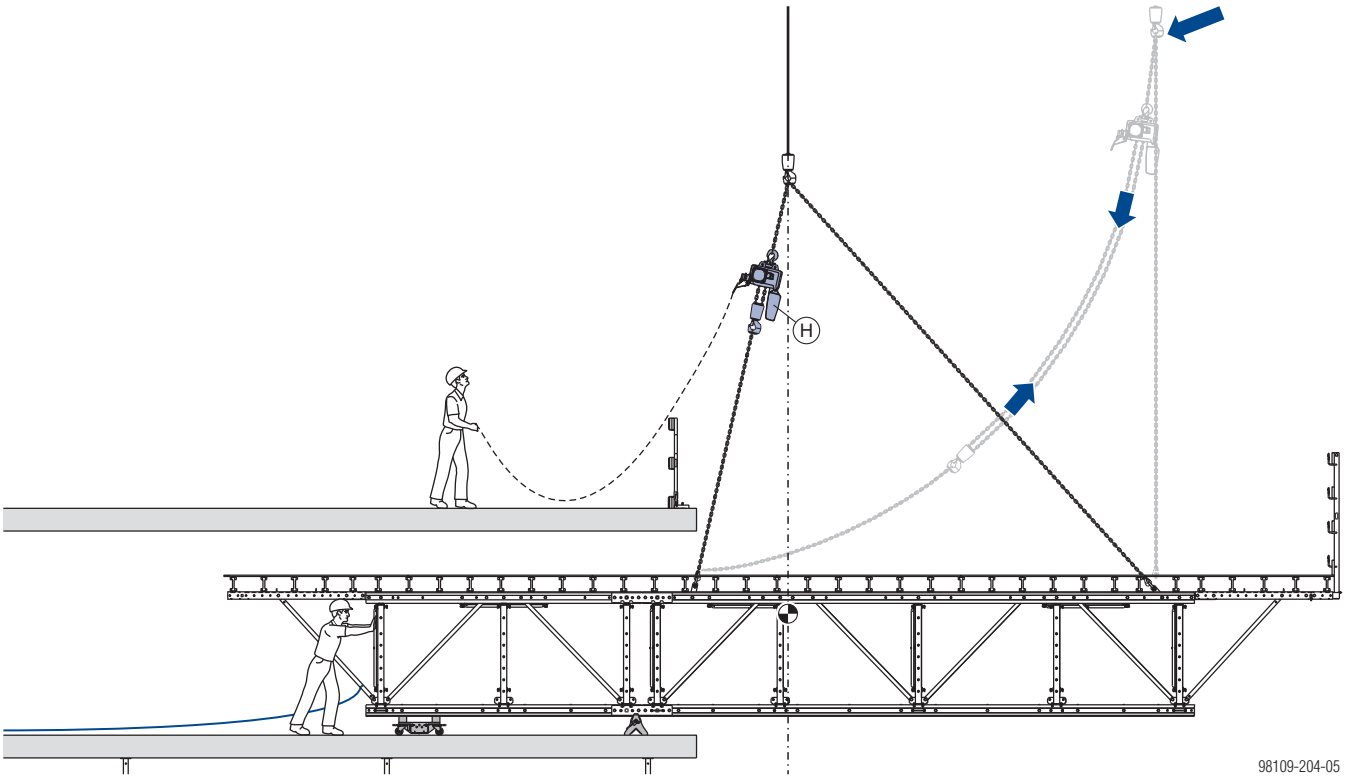
The center of gravity of the table must remain within the building until all chains or cables have been attached to the table!

➤ Attach the rear chains or cables (with chain/cable hoist already fitted) to the rear crane hoisting points.



➤ Push the table out of the building until the rear chains or cables are beyond the slab edge.

➤ At the same time, shorten the rear chains or cables with the chain/cable hoist until the crane hook is over the center of gravity of the table.



H Electric chain/cable hoist (site-provided)

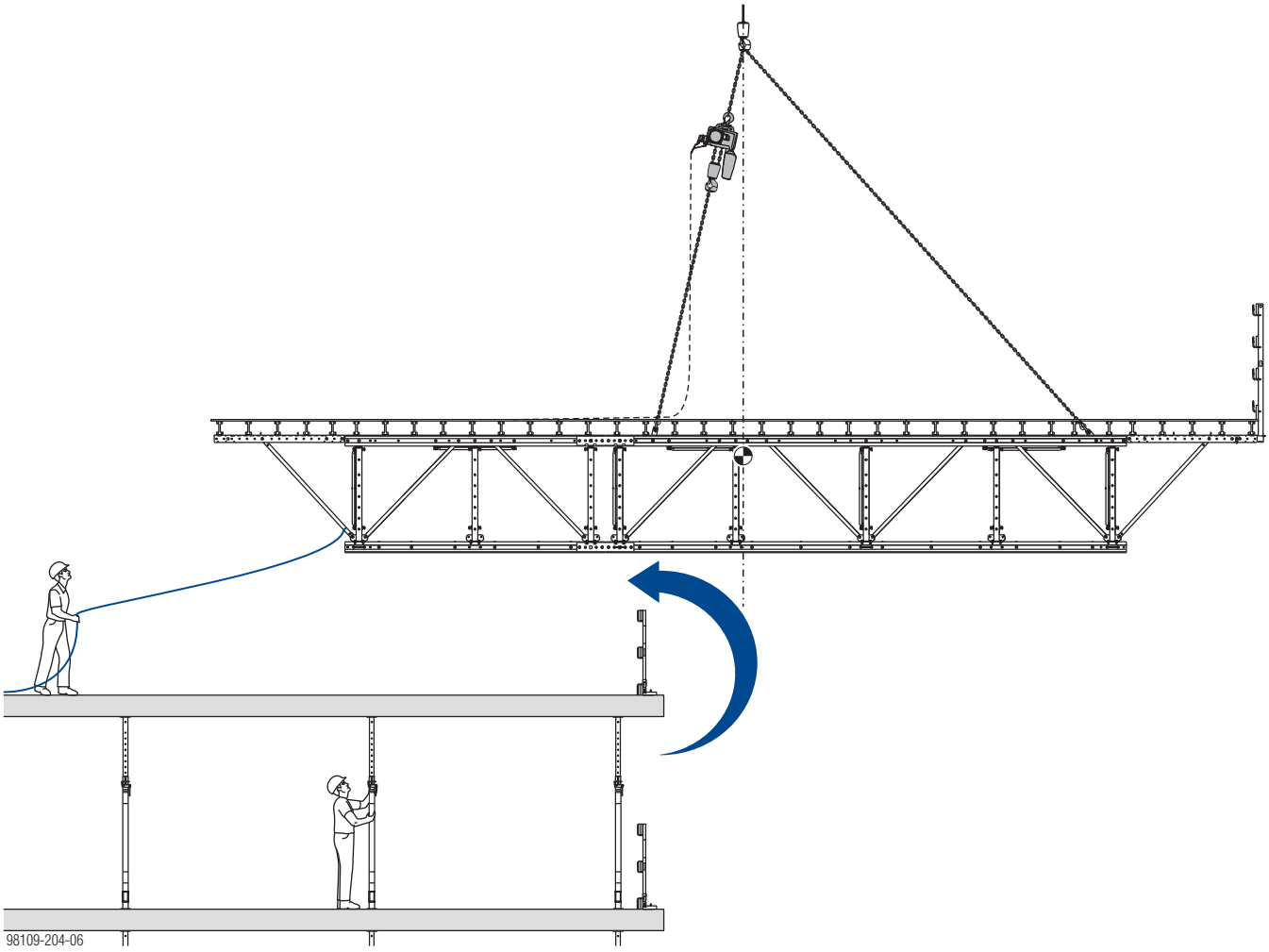
NOTICE

- ➤ Make sure that the table is in a horizontal position!
- ➤ Secure the trolleys and the edge rollers so that they cannot fall off the slab edge!

➤ Slightly raise the DokaTruss table.
The table is suspended from the crane rigging in the horizontal.

➤ Detach the securing cables from the building and use them as tag-lines.

➤ Reposition the table to its new location.



➤ Remove the trolleys and edge rollers.

➤ Install reshoring props.

Lining and leveling DokaTruss tables

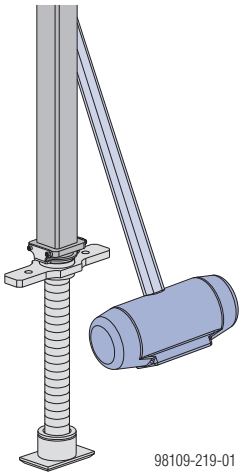
NOTICE

- Before lining and leveling, check whether all the feet are under load. Only feet that are actually standing on the ground can be lined and leveled.

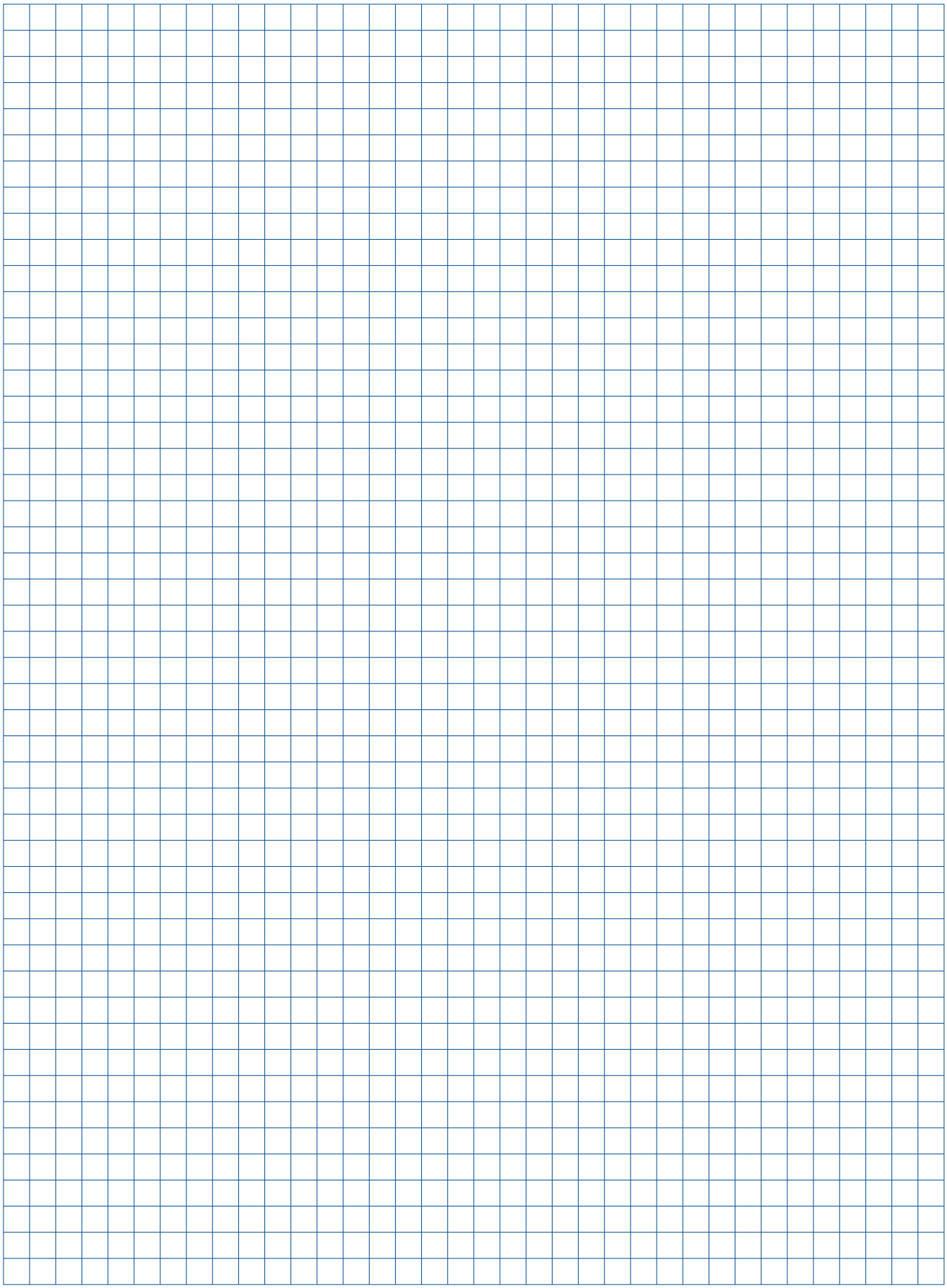
The **Plastic mallet 4kg** is a handy tool for fine-positioning a tableform quickly without using any shifting devices. The mallet has been designed with just the right weight for this job, and with plastic of the right hardness.

Use correctly to avoid damage:

- ➤ Use in moderation, and only at the bottom of the feet.
- ➤ Use evenly on all feet.
- ➤ Give just one knock to each foot at a time, then move on to the next foot (max. swing distance 1’-8" (50 cm)).



Integrated base makes it easy to put the mallet on "stand-by":



Assembly

General assembly instructions

Depending on the project, the actual design and sequence of operations may differ from the descriptions given in this booklet.

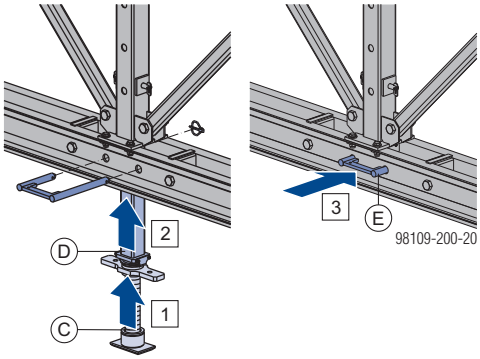
- Follow the shop drawing / assembly plan or ask your Doka technician.

NOTICE

- A hard, flat, firm surface is needed!
- Prepare a sufficiently large assembly area.

Fully retract all the feet – this reduces the overall height of the table during assembly.

1) Screw in the Screw jack feet TT **(C)** .
2) Retract Adjustable legs TT or adjustable legs TT 2G **(D)** .
3) Pin the feet in place with Fastening bolts TT **(E)** and secure them with linch pins.

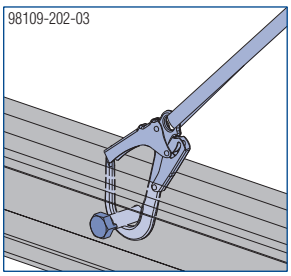


NOTICE

Use a personal fall-arrest system to protect against falls when fixing the formwork sheets and mounting the guard rails (e.g. safety harness).

Suitable anchorage points:

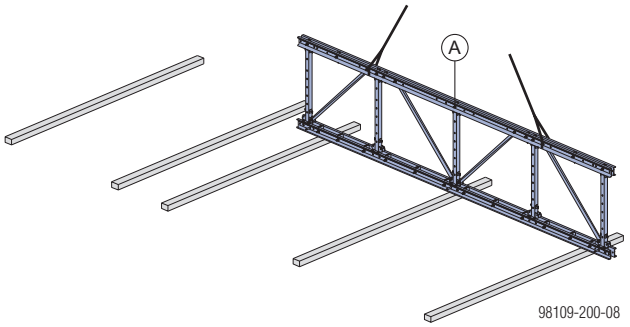
- Connecting pin 10cm + Spring cotter 5mm in the top chord of the Segment TT



- Crane hoisting points

Bracing the Segments TT

➤ Place the first Segment TT on sleepers by crane. Keep the lifting chain/cable taut.



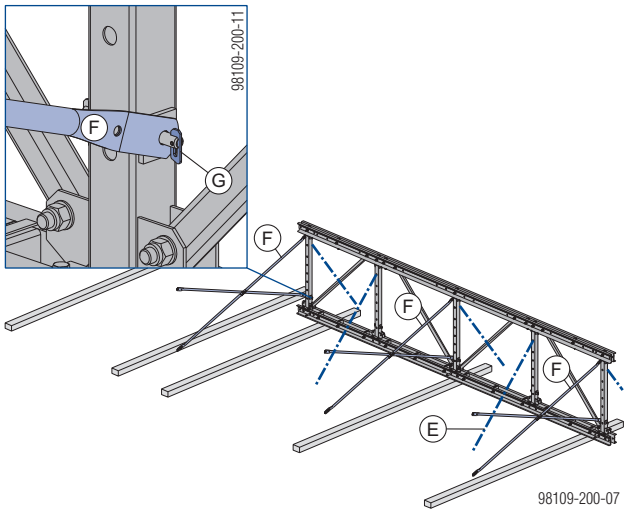
A Segment TT

➤ Secure the Segment TT with temporary bracing to prevent it from tipping over.

Mounting the vertical diagonal crosses:

➤ Fit the vertical diagonal crosses onto the safety-catch bolts of the vertical legs.

➤ Secure the diagonal crosses with the safety catches.



E Bracing (site-provided)

F Diagonal cross

G Safety catch

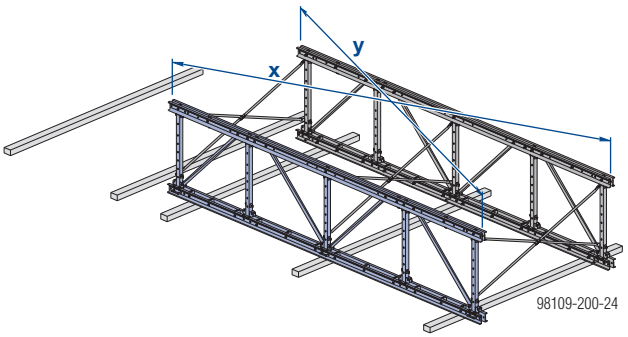
➤ Detach the lifting chain/cable.

➤ Place the second Segment TT on the sleepers by crane, at the required center-to-center distance. Keep the lifting chain/cable taut.

➤ Join the Segment TT to the diagonal crosses.

➤ Secure the diagonal crosses with the safety catches.

➤ Arrange the segment gang so that both diagonals are the same (right angle).

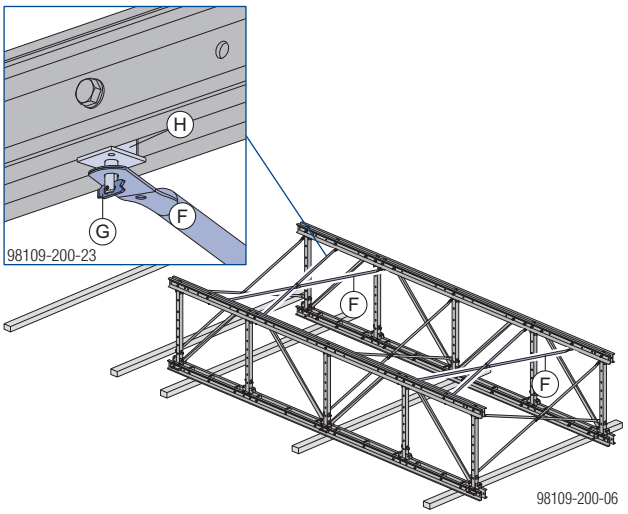


x = y ... Diagonals

Mounting the horizontal diagonal crosses:

➤ Fit the horizontal diagonal crosses onto the Diagonal cross adapters TT.

➤ Secure the diagonal crosses with the safety catches.

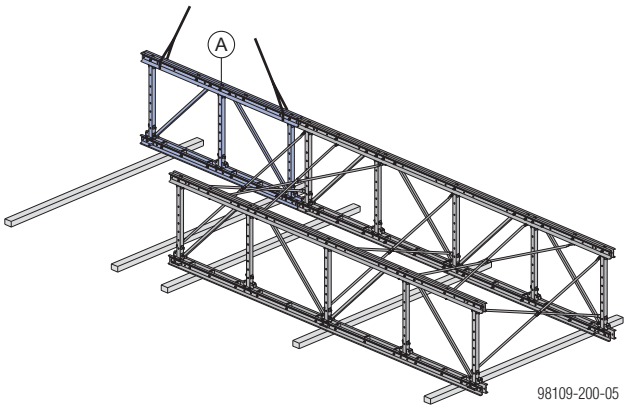


F Diagonal cross
G Safety catch
H Diagonal cross adapter TT

➤ Detach the lifting chain/cable.

Mounting further Segments TT

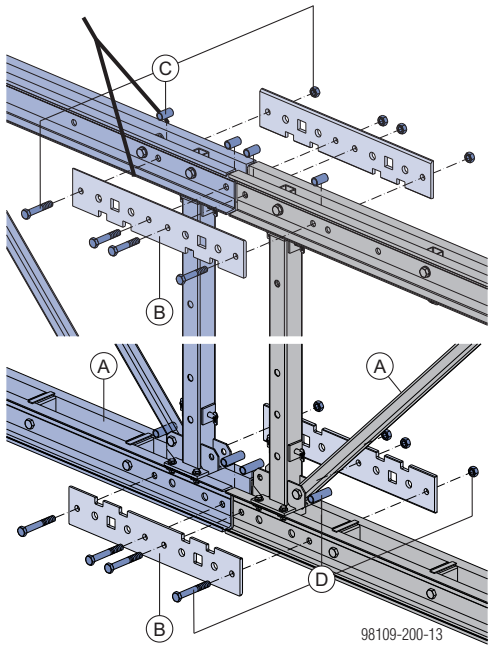
➤ Place further Segments TT next to the segment gang. Keep the lifting chain/cable taut.



A Segment TT

➤ Bolt the Segments TT to the segment gang with Splice plates C6 TT.
Width-across 30 mm

Required tightening torque:
222 lb-ft (300 Nm (30 kgm))



A Segment TT
B Splice plate C6 TT
C Screw-set splice plate C6 TT top (M20x100)
D Screw-set splice plate C6 TT bottom (M20x140)

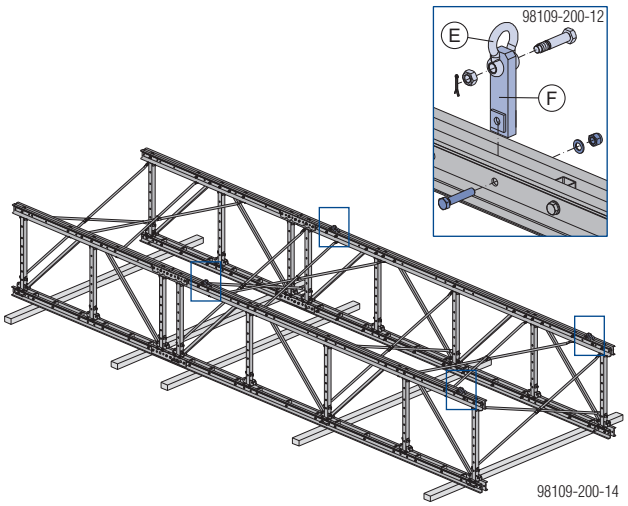
➤ Fit the vertical and horizontal diagonal crosses and secure them.

➤ Detach the lifting chain/cable.

Crane hoisting points

➤ Mount the Shackle Xclimb 60 to the Lifting adapter TT.

➤ Bolt the Lifting adapter TT to the top chord of the Segment TT (position: see shop drawing / assembly plan).



E Shackle Xclimb 60 6.5t

F Lifting adapter TT

Each shackle is supplied with:

- 1 threaded bolt M24x115
- 1 hexagon nut M24
- 1 cotter pin

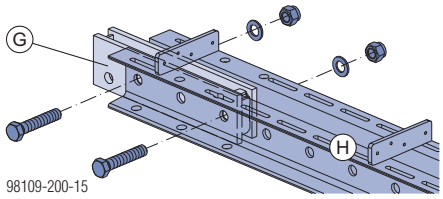
Follow the directions in the "Shackle Xclimb 60 6.5t" Operating Instructions!

Nuts & bolts, etc. needed for each lifting adapter:

- 1 hexagon bolt M20x100
- 1 hexagon nut M20
- 1 washer 20

Mounting the extension

➤ Bolt the Splice plate C6/WS10 TT to the Multi-purpose waling WS10.



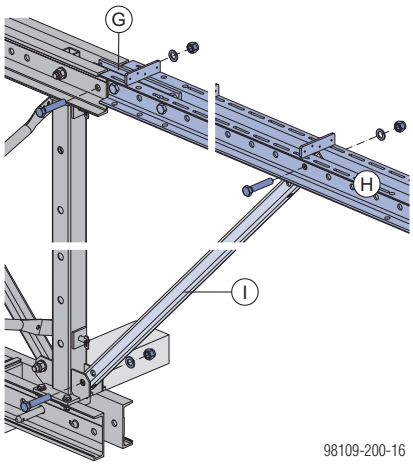
G Splice plate C6/WS10 TT

H Multi-purpose waling WS10 Top50

➤ Lift the multi-purpose waling to the segment and bolt it on.

➤ Bolt the Diagonal brace TT to the segment.

➤ Tilt up the Diagonal brace TT and bolt it to the multi-purpose waling.



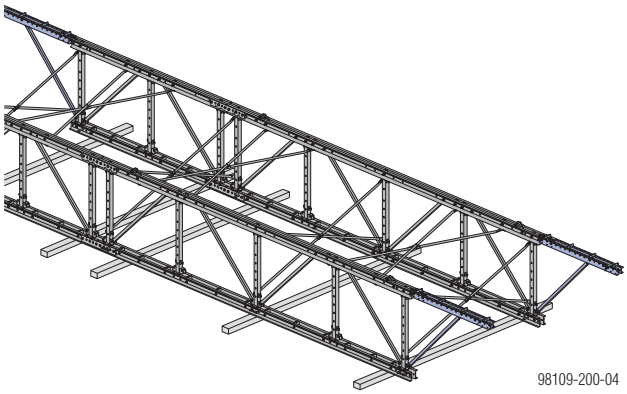
G Splice plate C6/WS10 TT

H Multi-purpose waling WS10 Top50

I Diagonal brace TT 6'-0"

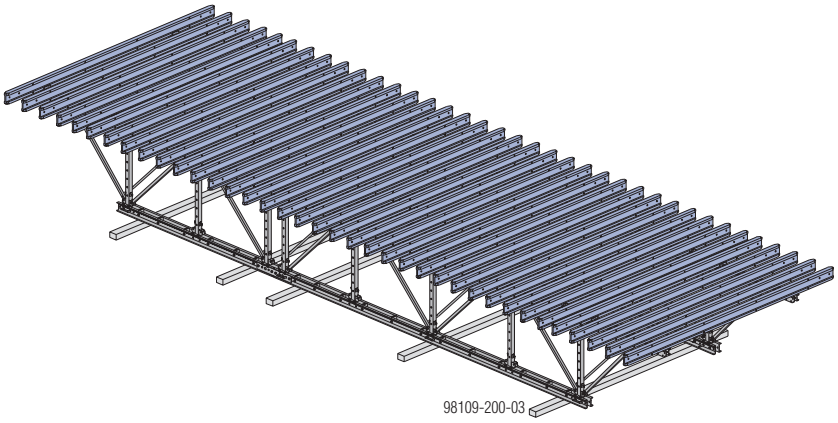
Nuts & bolts, etc. needed for each extension:

- 5 hexagon bolts M20x100
- 5 hexagon nuts M20
- 5 washers 20



Placing and attaching the Doka beams

➤ Mount the Doka beams. Space the beams as shown in the project plan.



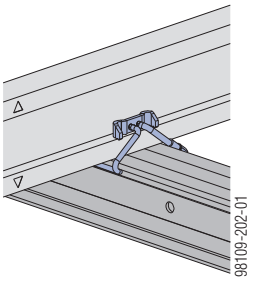
Flange clamp G

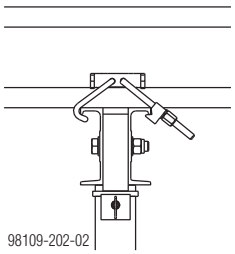
For fixing the Doka beams anywhere on the C6 Alu Channels (Segment TT) or on the multi-purpose walings (extension).

Note:
First push the flange clamps onto the Doka beam, and only then place the Doka beam onto the channels.

Tools needed:
- Reversible ratchet 1/2"
- Box nut 19 1/2" L

An impact screwdriver (with adjustable torque) makes assembly easier and faster.

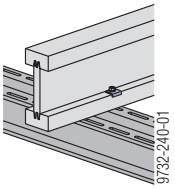


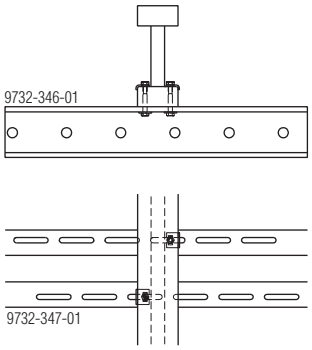


Beam screws H8/70

For bolting the Doka beams to the multi-purpose waling (extension). The hammer-head is for slotting the beam screws into the oblong holes in the waling.

Tools needed:
- Drill bit, diam. $^{3}/_{8}$" (10 mm)
- Fork wrench 13/17

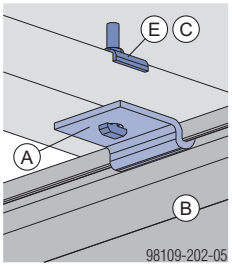


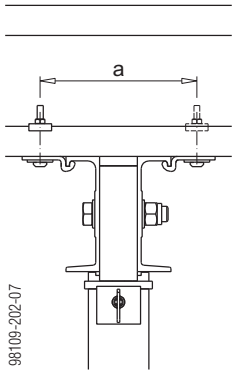


A clamp assembly

For fixing the beams (timber formwork beams or aluminum beams) anywhere on the C6 Alu Channels (Segment TT).

Example with timber formwork beam:

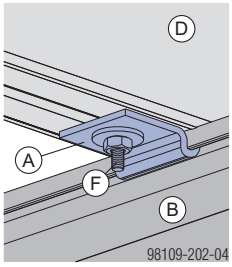


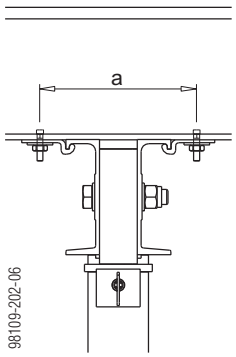


a ... 8" (20.5 cm)

A	A clamp assembly
B	C6 Alu Channel (Segment TT)
C	Timber formwork beam
E	Beam screw H8/70

Example with aluminum beam:





a ... 8" (20.5 cm)

A	A clamp assembly
B	C6 Alu Channel (Segment TT)
D	Aluminum beam
F	Hammer-head bolt

Tools needed:

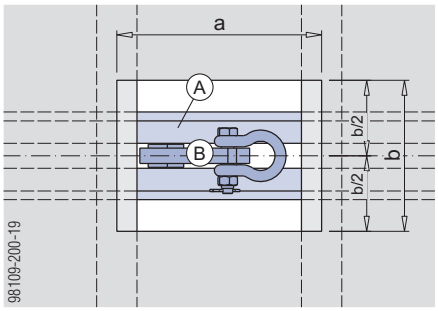
- Reversible ratchet 1/2"
- Box nut 17 1/2" L

Fixing the formwork sheets

➤ Lay the formwork sheets and nail them onto each Doka beam. The grain of the face layer must run at right angles to the supports (Doka beams).

Cutting openings for crane hoisting points

➤ Cut out openings for the crane hoisting points.



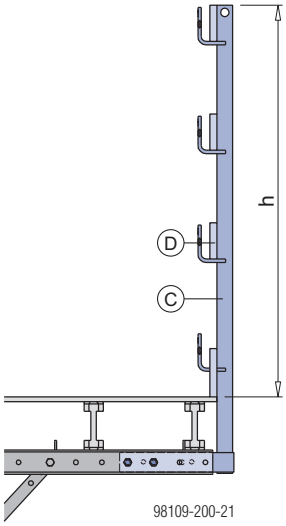
a ... Center-to-center distance between beams
b ... 1'-0" (30 cm)

A Segment TT
B Crane hoisting point

Before pouring, the opening is closed again with the cut-out plate.

Mounting the railings

➤ Push the Handrail post T into the multi-purpose waling and bolt it on.

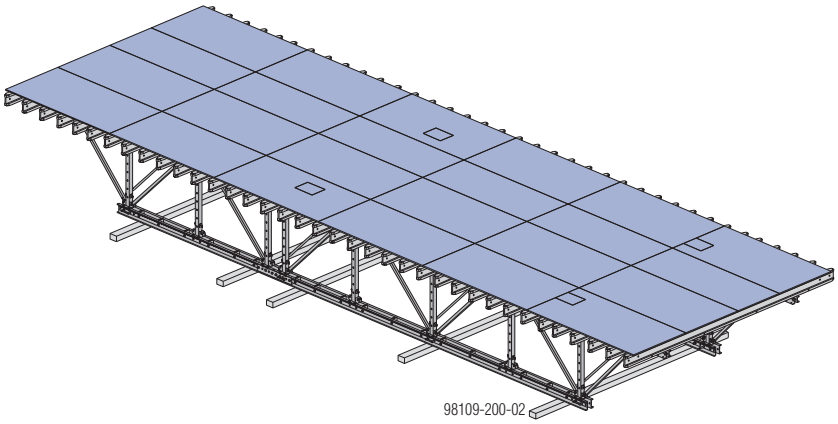


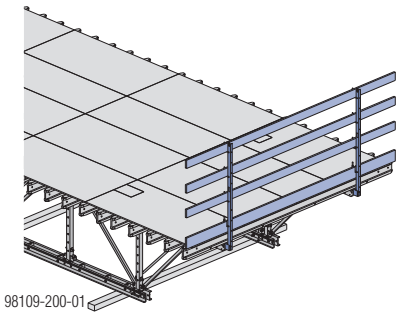
h ... 5'-3 3/4" (1.60 m)

C Handrail post T 1.80m
D Guardrail plank

Additional nuts & bolts, etc. needed for each handrail post:

- 1 hexagon bolt M20x100
- 1 hexagon nut M20
- 1 washer 20



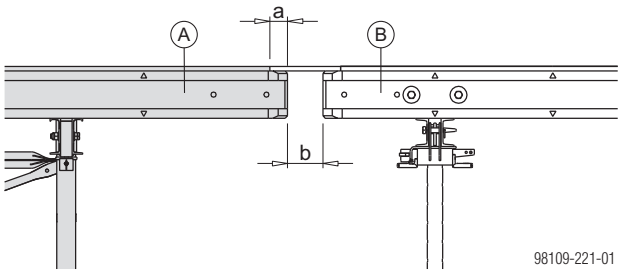


General remarks

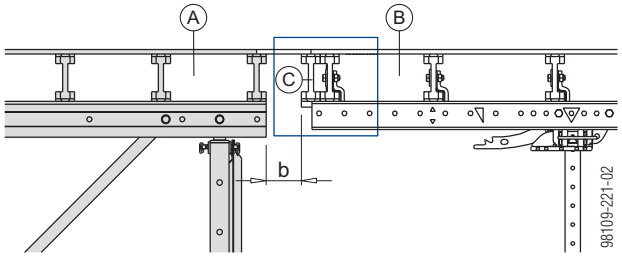
Combining with other Doka systems

Combining with Dokamatic tables or Dokaflex tables

In the transverse direction



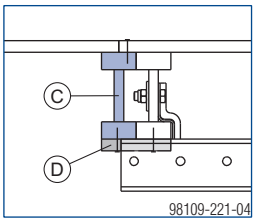
In the longitudinal direction



a ... min. 2" (5 cm)
b ... min. 6" (15 cm)

A DokaTruss table
B Dokamatic table or Dokaflex table
C Doka beam H20 (extra beam)

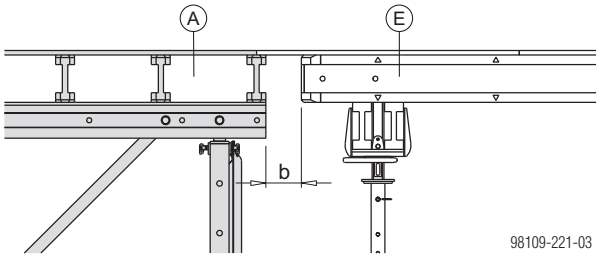
Close-up of extra beam:



C Doka beam H20 (extra beam)
D Nailing plank (site-provided)

Follow the directions in the "Dokamatic table" and "Dokaflex table" User Information booklets!

Combining with Dokaflex 1-2-4, Dokaflex S or Doka Xtra



b ... min. 6" (15 cm)

A DokaTruss table
E Dokaflex or Doka Xtra

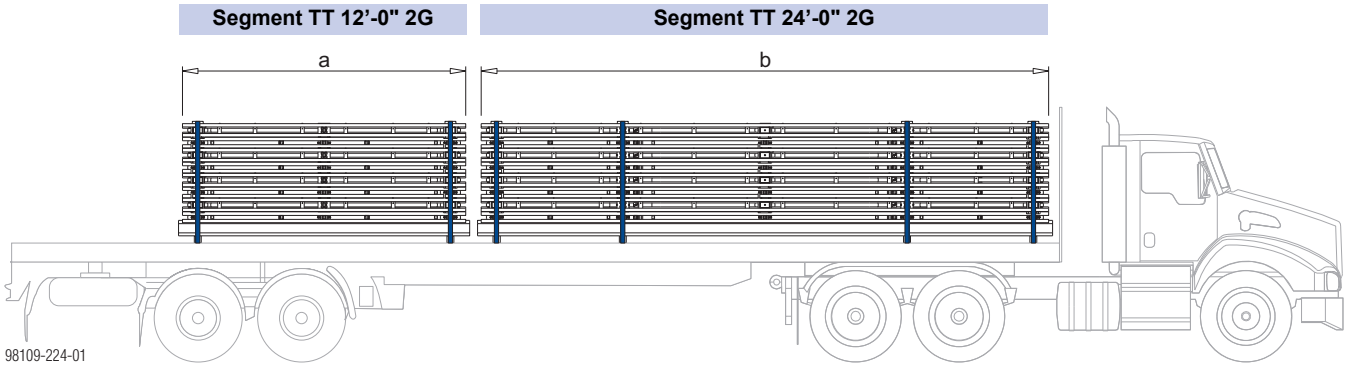
Follow the directions in the "Dokaflex 1-2-4", "Dokaflex S" and "Doka Xtra" User Information booklets!

Transporting, stacking and storing

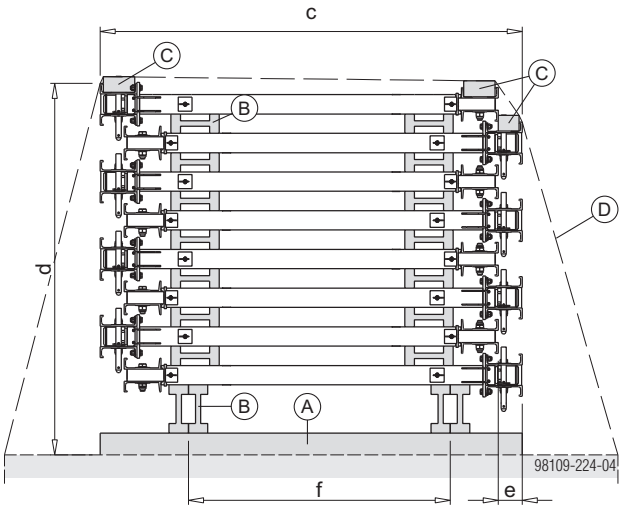
Segments TT

Thanks to their compact design, up to 8 Segments TT can be loaded onto a truck on top of one another – making for improved logistics and reduced shipping costs.

Side view:



Rear view:



a ... 11’-11 ½" (364,5 cm)
b ... 23’-11 ½" (730.0 cm)
c ... 5’-9" (175.0 cm)
d ... 4’-9 ½" (146.0 cm)
e ... approx. 4" (10.0 cm)
f ... approx. 3’-7" (110.0 cm)

A	Sleeper approx. 4x4 (10 x 10 cm) (W x H)
B	Doka beam H20
C	Edge protector (when segments are strapped to the truck)
D	Lashing strap (in the area of the vertical legs)

NOTICE

- Stack **max. 8 segments** on top of one another!
- Never climb onto the stack of segments.
- Before being transported by truck, the segments must be strapped down securely.

Weight per stack:
approx. 4500 lbs (2100 kg) / 8 Segments TT 12’-0"
approx. 8000 lbs (3600 kg) / 8 Segments TT 24’-0"

- Segment TT 12’-0" 2G: max. 3 stacks per semi-trailer truck
- Segment TT 24’-0" 2G: max. 2 stacks per semi-trailer truck

Stacking the Segments TT

1) Place sleepers in the area of the vertical legs.
2) Place Doka beams H20 corresponding to the length of the stack onto the sleepers and screw them on.
3) Lay down the Segments TT, offset by approx. 4" (10 cm) with respect to one another.

- All feet must be fully pushed in and pinned in place!
- The fastening bolts must be secured with linch pins!

Do a sight-check!

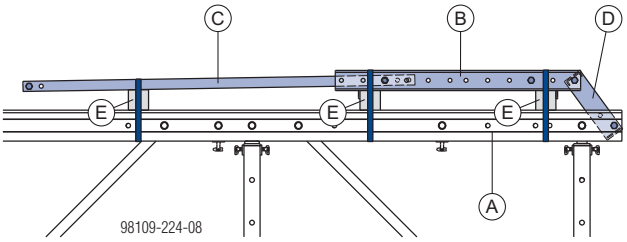
4) Lay a Doka beam H20 flat on two vertical legs, respectively, as an intermediate layer (e.g. for Segment TT 24’-0" 2G: 4 Doka beams H20 1.80 per layer).
5) Add edge protectors to prevent damage to the segments.

Segments TT with extensions already mounted

Extensions can be pre-mounted to the Segments TT.

➤ Place squared timbers between the pre-mounted extension and the Segment TT.

➤ Strap the extension to the Segment TT.



A	Segment TT
B	Multi-purpose waling WS10 Top50
C	Diagonal brace TT 6'-0"
D	Splice plate C6/WS10 TT
E	Squared timber approx. 4x4 (10 x 10 cm) (W x H)

Nuts & bolts, etc. needed for each extension:

- 5 hexagon bolts M20x100
- 5 hexagon nuts M20
- 5 washers 20

Repositioning Segments TT by crane

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

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

Max. lifting capacity:
4400 lbs (2000 kg) / Dokamatic lifting strap 13.00m

A movable, 42'-8" (8 m) long protective hose enables the table to stay in the horizontal when being lifted, and protects the strap fabric.

Follow the directions in the Operating Instructions!

Repositioning stacks of segments

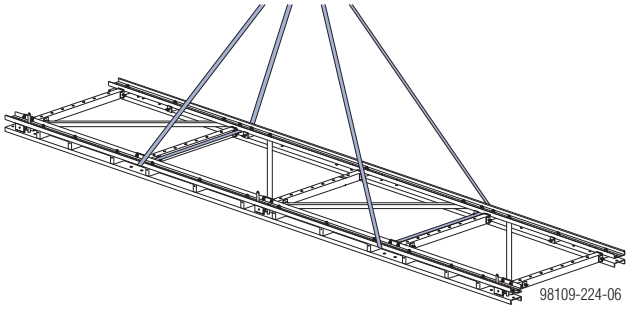
To reposition **stacks of segments**, the Dokamatic lifting strap 13.00m is used.

NOTICE

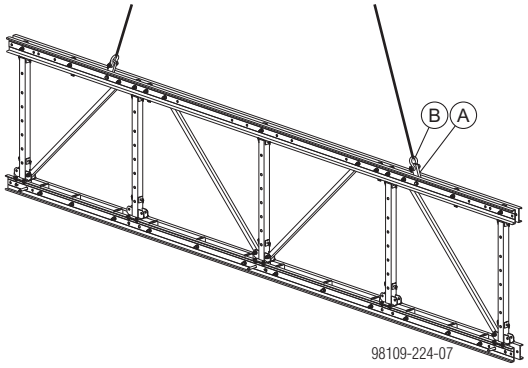
Position the lifting strap so as to prevent the strap from sliding out of position and the aluminum profiles from deforming!

Repositioning single Segments TT

To lift single Segments TT **face down**, the Dokamatic lifting strap 13.00m is used.

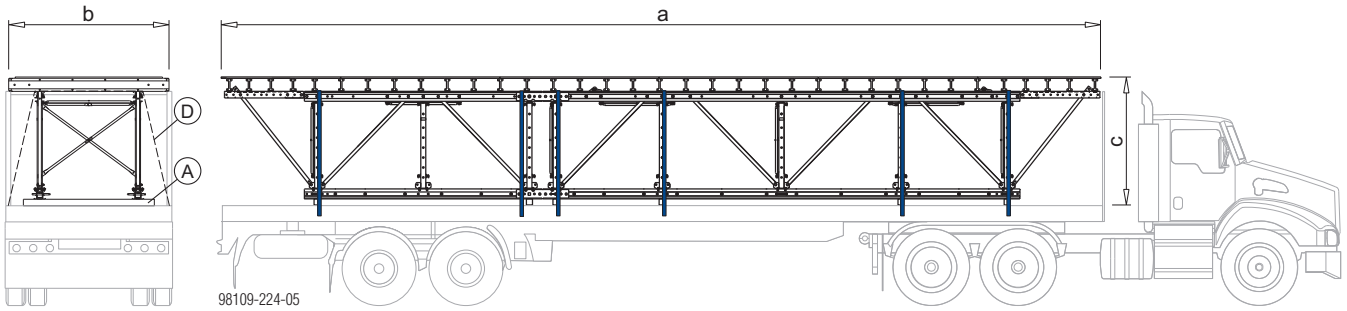


To lift single Segments TT **long side down**, Lifting adapters TT **(A)** and Shackles Xclimb 60 6.5t **(B)** are used (see the section headed "Assembly instructions").



Pre-assembled DokaTruss tables

Smaller sized DokaTruss tables can be transported fully pre-assembled.



a, b, c ... Max. permissible sizes (Observe all local standards and regulations!)

A Sleeper approx. 4x4 (10 x 10 cm) (W x H)

D Lashing strap (in the area of the vertical legs)

NOTICE

- The DokaTruss table must be strapped to the truck securely!

➤ Place sleepers in the area of the vertical legs.

Intermediate storage of tables

NOTICE

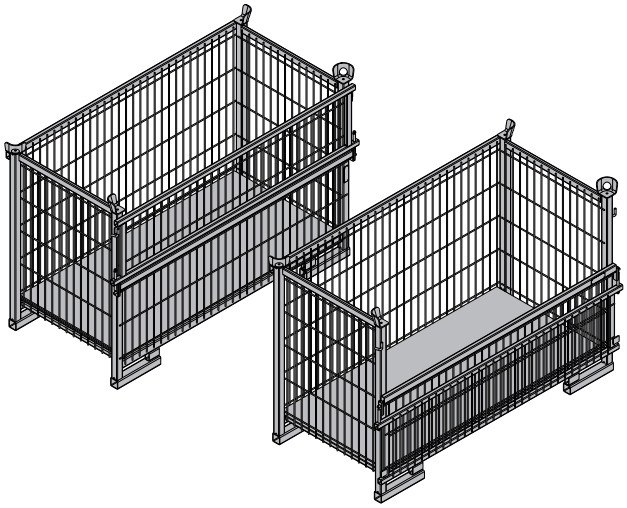
Observe the following regarding intermediate storage of assembled tables:

- Only set down tables on level, firm surfaces.
- In exposed locations, secure against wind pressure.
- If space is restricted and finished tables have to be stacked on top of each other, they have to be secured against all climatic influences! Depending on the situation, a separate check is necessary!

Utilize the benefits of Doka multi-trip packaging on your worksite.
Our Multi-trip packaging such as transport boxes, stacking pallets, accessory boxes and skeleton transport boxes keep everything in place on the site.

Doka skeleton transport box 1.70x0.80m

Storage and transport device for small items



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

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

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 gradient up to 3 %	Indoors Floor gradient up to 1 %
2	5
It is not allowed to stack empty pallets on top of one another!	

NOTICE

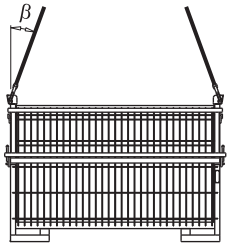
Stacked multi-trip boxes or pallets must have the heaviest boxes at the bottom and the lightest at the top.

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

Lifting by crane

NOTICE

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



9234-203-01

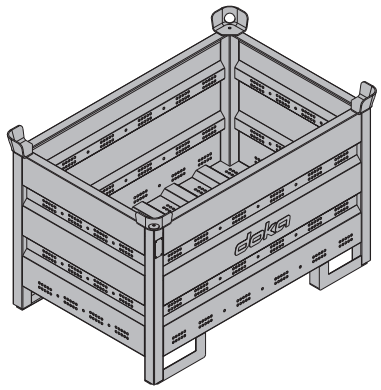
Shifting boxes with the forklift or pallet stacking truck

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

Doka multi-trip transport box

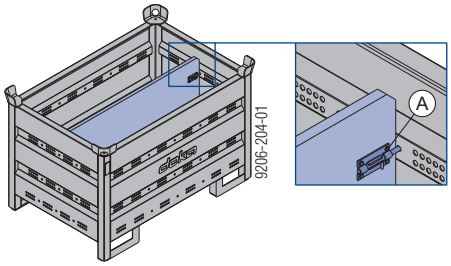
Storage and transport device for small items.

Doka multi-trip transport box 1.20x0.80m



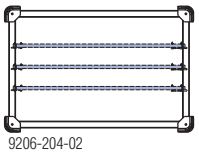
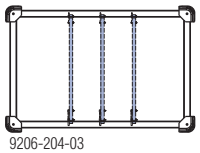
Max. load-bearing capacity: 1500 kg (3300 lbs)
Permitted imposed load: 7850 kg (17300 lbs)

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

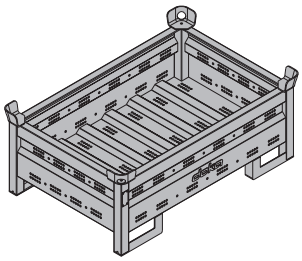


A Slide-bolt for fixing the partition

Possible ways of dividing the box

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

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



Max. load-bearing capacity: 750 kg (1650 lbs)
Permitted imposed 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 gradient up to 3 %		Indoors Floor gradient 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

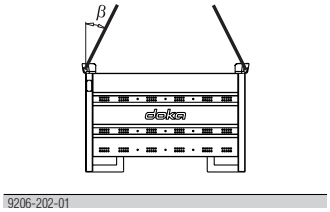
Stacked multi-trip boxes or pallets must have the heaviest boxes at the bottom and the lightest at the top.

Using Doka multi-trip transport boxes as transport devices

Lifting by crane

NOTICE

- Multi-trip packaging items may only be lifted one at a time.
- Use a suitable crane lifting tackle (e.g. Doka 4-part chain 3.20m). Do not exceed the permitted load-bearing capacity.
- Spread angle β max. 30°!

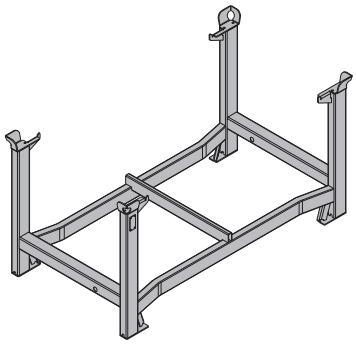


Shifting boxes with the forklift or pallet stacking truck

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 devices for long items.



Max. load-bearing capacity: 1100 kg (2420 lbs)
Permitted imposed load: 5900 kg (12980 lbs)

Using Doka stacking pallets as storage units

Max. n° of units on top of one another

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

NOTICE

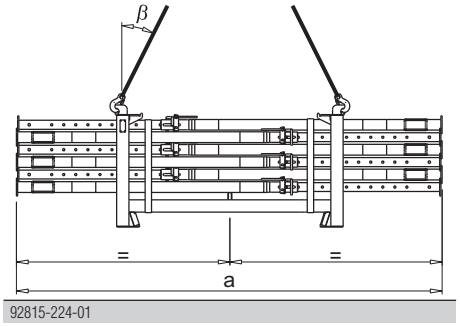
- Stacked multi-trip boxes or pallets must have the heaviest boxes at the bottom and the lightest at the top.
- **How to use with Bolt-on caster set B:**
  - Always apply the fixing brake when the container is 'parked'.
  - When Doka stacking pallets are stacked, the bottom pallet must NOT be one with a bolt-on caster set mounted to it.

Using Doka stacking pallets as transport devices

Lifting by crane

NOTICE

- Multi-trip packaging items may only be lifted one at a time.
- Use a suitable lifting chain (e.g. Doka 4-part chain 3.20m). Do not exceed permitted load capacity.
- Load the items centrically.
- Fasten the load to the stacking pallet so that it cannot slide or tip out.
- When lifting stacking pallets to which Bolt-on castor sets B have been attached, you must also follow the directions in these Operating Instructions!
- Spread-angle β max. 30°!



	a
Doka stacking pallet 1.55x0.85m	max. 14'-9" (4.5 m)
Doka stacking pallet 1.20x0.80m	max. 9'-10" (3.0 m)

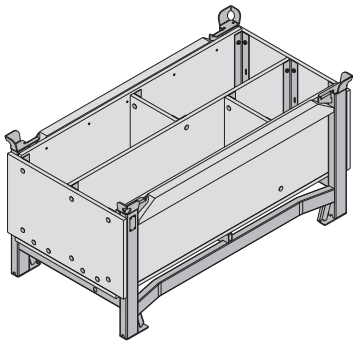
Shifting boxes with the forklift or pallet stacking truck

NOTICE

- Load the items centrically.
- Fasten the load to the stacking pallet so that it cannot slide or tip out.

Doka accessory box

Storage and transport devices for small items.



Max. load-bearing capacity: 1000 kg (2200 lbs)
Permitted imposed load: 5530 kg (12191 lbs)

Using Doka accessory boxes as storage units

Max. n° of units on top of one another

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

NOTICE

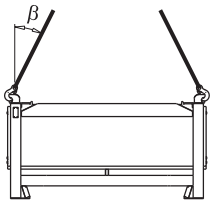
- Stacked multi-trip boxes or pallets must have the heaviest boxes at the bottom and the lightest at the top.
- **How to use with Bolt-on caster set B:**
  - Always apply the fixing brake when the container is 'parked'.
  - When Doka stacking pallets are stacked, the bottom pallet must NOT be one with a bolt-on caster set mounted to it.

Using Doka accessory boxes as transport devices

Lifting by crane

NOTICE

- Multi-trip packaging items may only be lifted one at a time.
- Use a suitable lifting chain (e.g. Doka 4-part chain 3.20m). Do not exceed permitted load capacity.
- When lifting stacking pallets to which Bolt-on castor sets B have been attached, you must also follow the directions in the relevant Operating Instructions!
- Spread-angle β max. 30°!



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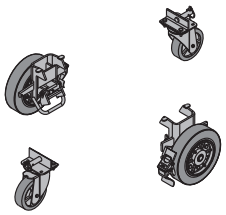
Shifting boxes with the forklift or pallet stacking truck

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

Bolt-on caster set B

The Bolt-on caster set B turns the stacking pallet into a fast and maneuverable transport trolley.
Suitable for drive-through access openings > 3’-0" (90 cm).



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

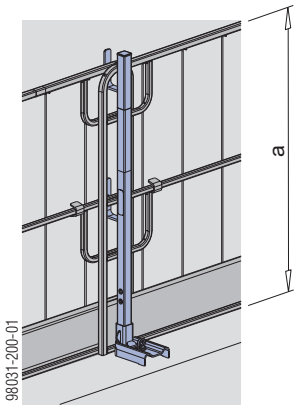
- Doka accessory box
- Doka stacking pallets

Follow the directions in the Operating Instructions!

Fall protection on the structure

Handrail post XP 1.20m

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

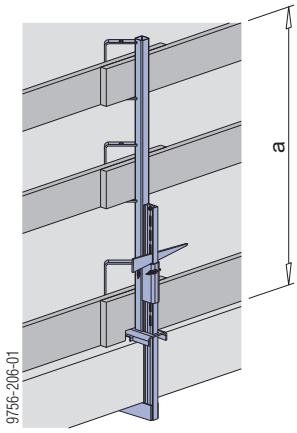


a ... > 3'-3" (1.00 m)

Follow the directions in the User Information booklet "Edge protection system XP"!

Handrail clamp S

- Attached with integral clamp
- Guardrail planks or scaffold tubes can be used as safety barrier



a ... > 3'-3" (1.00 m)

Follow the directions in the User Information booklet "Handrail clamp S"!

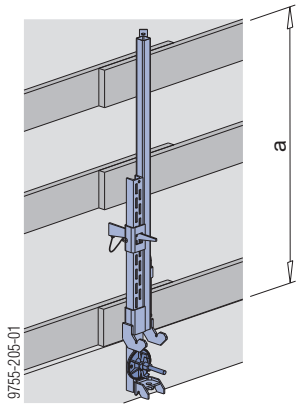
Doka slab edge clamp

- Slab bulkheads and safety barriers in one system

Follow the directions in the User Information booklet "Doka floor end-shutter clamp".

Handrail clamp T

- Fixed to embedded anchoring components or reinforcement hoops
- Guardrail planks or scaffold tubes can be used as safety barrier

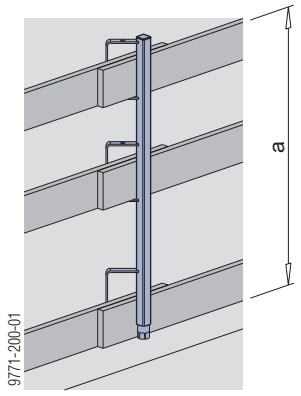


a ... > 3'-3" (1.00 m)

Follow the directions in the User Information booklet "Handrail clamp T"!

Handrail post 1.10m

- Fixed in a Screw sleeve 20.0 or Attachable sleeve 24mm
- Guardrail planks or scaffold tubes can be used as safety barrier



a ... > 3'-3" (1.00 m)

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

Reshoring props, concrete technology and stripping

Follow the directions in the Calculation Guide entitled "Stripping out formwork from floors in building construction" or ask your Doka technician.

When is the best time to strip the formwork?

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

Load factor α

This is calculated by:

$$\alpha = \frac{OW_D + LL_{\text{construction state}}}{OW_D + OW_{\text{finishing}} + LL_{\text{final state}}}$$

Slab thickness d [m]	Dead-weight load OW_D [kN/m²]	Load factor α $LL_{\text{final state}}$ 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 $OW_{\text{finishing}}$ = 2.00 kN/m² and a live load in the early-stripped state of $LL_{\text{construction state}}$ = 1.50 kN/m²

OW_D: calculated with γ_{concrete} = 25 kN/m³
$OW_{\text{finishing}}$: 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 stripping / 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.

What guidelines can be used for shoring and reshoring?

The American Concrete Institute, Committee 347 has issued two references that provide basic guidelines for general formwork operations.
The first is ACI 347R-14 'Guide to Formwork for Concrete' and the second is ACI 347.2R-17 'Guide for Shoring/Reshoring of Concrete Multistory Buildings'.
Both of these guides describe methods to evaluate the effects of the shoring and reshoring operation that can be used by the engineer/architect to determine the structural behavior of the building during construction.
The contractor, formwork designer and engineer/architect should collaborate to develop a rational shoring/reshoring design that is economical, functional and safe.

Why put up reshoring props after stripping the formwork?

After the formwork has been stripped and the slab has been stress-relieved or deshored, the slab is able to bear its own weight 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. This load distribution will depend on the relationship between the rigidity of these two floor-slabs.

NOTICE

Ask an expert!

As a rule, the question of using reshoring props should be referred to the responsible experts, regardless of the information given above.

Observe all local standards and regulations!

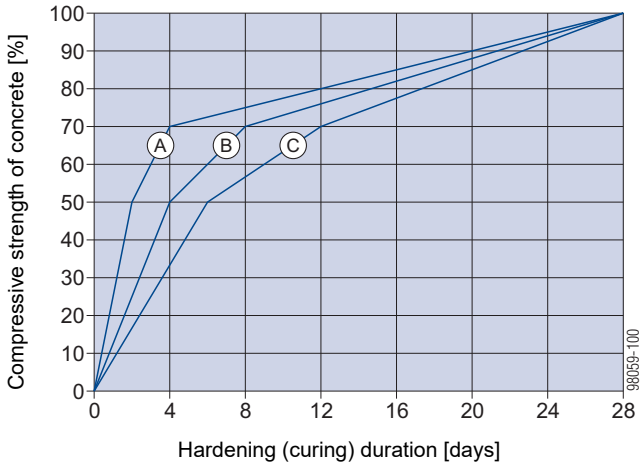
Strength development in the new concrete

Rough reference values can be found in DIN 1045-3:2008, Table 2. The length of time until 50 % 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 modulus of elasticity of the concrete develops more quickly than its compressive strength. At a compressive strength f_{ck} of about 60 %, the concrete's modulus of elasticity $E_{c(28)}$ has reached approximately 90 %.

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 stripping – 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.

Taking load off formwork for wide-spanned floor-slabs with support centers over 24’-7" (7.5 m)

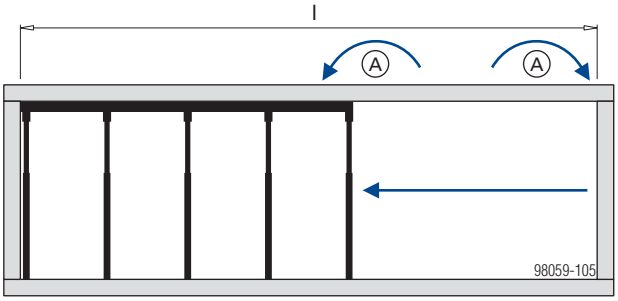
In the case of thin, wide-spanned concrete floor-slabs (e.g. in multistory car parks), the following points must be taken into consideration:

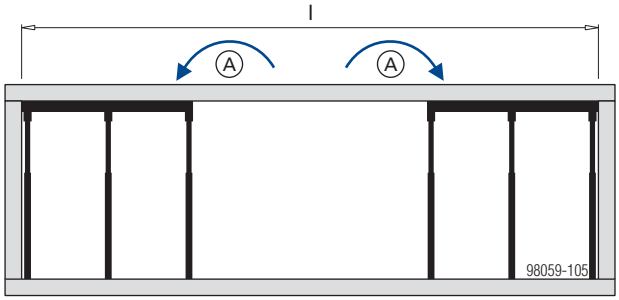
- When the load is taken off the floor props, the floor props that are still in place are briefly subjected to additional loads. This may lead to overloading, and to the floor props being damaged.
- Please consult your Doka technician.

NOTICE

The basic rule is:

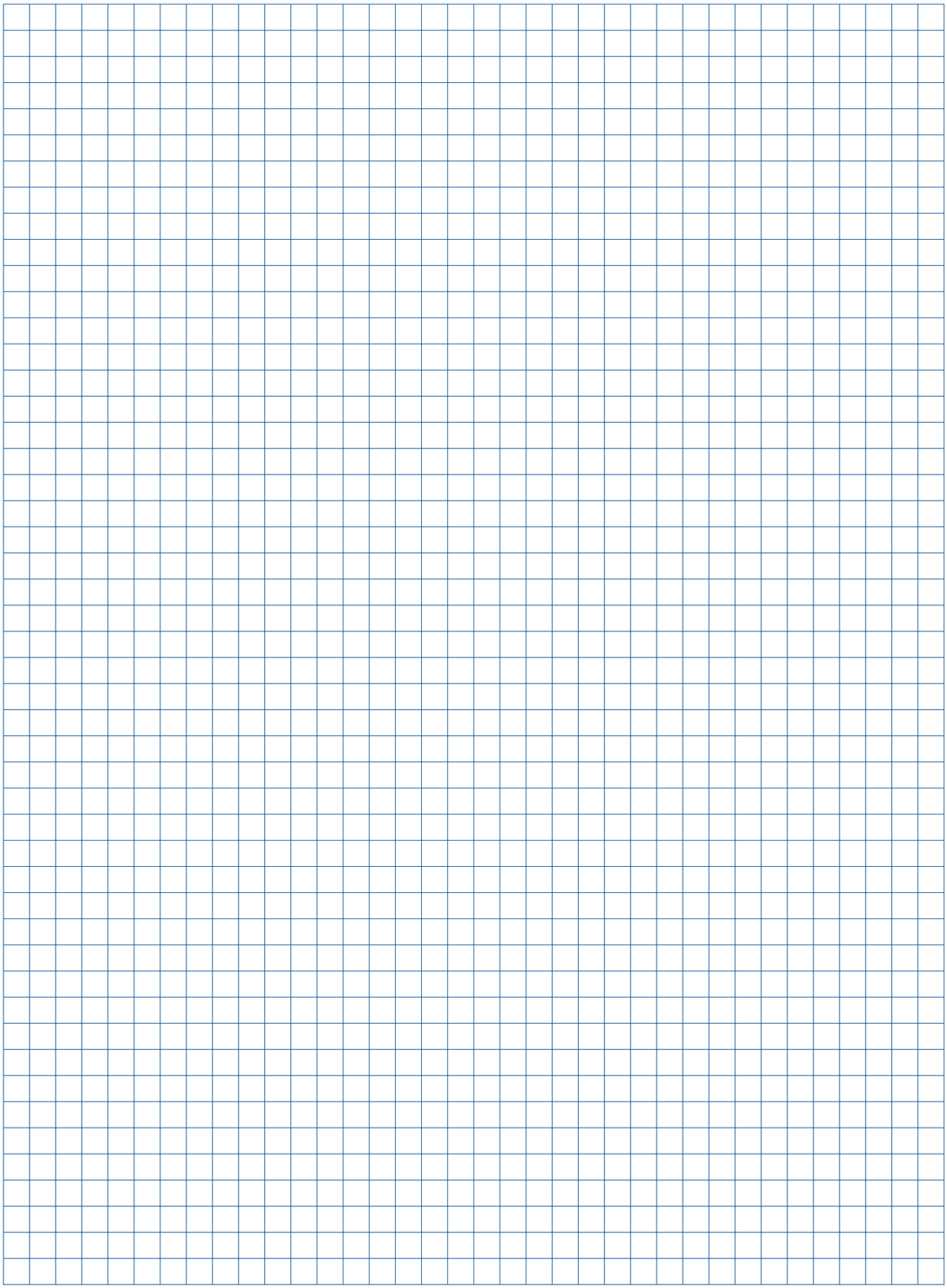
- Stress-release should **always be carried out working from one side towards the other, or from the middle of the floor-slab (mid-span) towards the slab edges**.
  It is imperative to adopt this procedure for wide spans!
- **Do not under any circumstances attempt stress release from both sides toward the middle**!

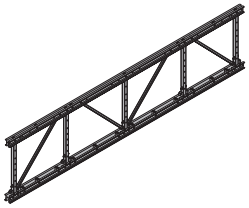
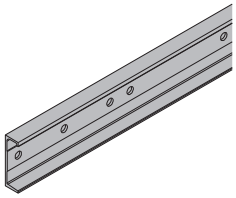
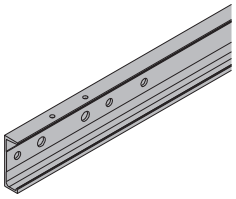
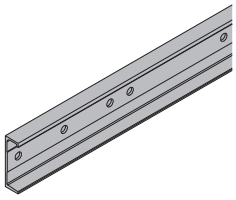
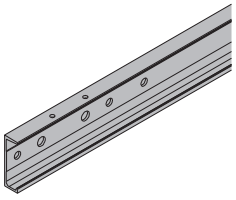


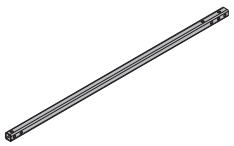
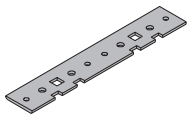
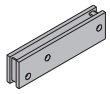
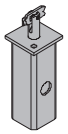
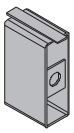
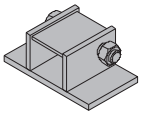


l ... Effective floor-slab spans of 7.50 m and over

A Load redistribution



	[lbs]	Article #
Segment TT 12'-0" 2G Segment TT 12'-0" 2G Height: 5'-5" (165 cm) 	**306.0**	**586694000**
Segment TT 24'-0" 2G Segment TT 24'-0" 2G Height: 5'-5" (165 cm) 	**580.0**	**586695000**
C6 Alu Channel top TT 12'-0" C6 Alu-Profil oben TT 12'-0" Aluminum 	**30.9**	**586650000**
C6 Alu Channel bottom TT 12'-0" C6 Alu-Profil unten TT 12'-0" Aluminum 	**30.9**	**586651000**
C6 Alu Channel top TT 24'-0" C6 Alu-Profil oben TT 24'-0" Aluminum 	**60.6**	**586652000**
C6 Alu Channel bottom TT 24'-0" C6 Alu-Profil unten TT 24'-0" Aluminum 	**60.6**	**586653000**

	[lbs]	Article #
Standard TT 2G Stiel TT 2G Painted yellow Height: 4'-11" (149 cm) 	**32.0**	**586682000**
Strut TT 2G Strebe TT 2G Painted yellow Length: 6'-4" (194 cm) 	**28.7**	**586683000**
Diagonal brace TT 6'-0" Diagonalstrebe TT 6'-0" Painted yellow Length: 6'-4" (193 cm) 	**26.9**	**586658000**
Splice plate C6 TT Verbindungslasche C6 TT Galvanized Length: 2'-7" (80 cm) 	**20.5**	**586659000**
Splice plate C6/WS10 TT Verbindungslasche C6/WS10 TT Painted blue Length: 1'-2" (36 cm) 	**14.3**	**586660000**
Diagonal cross adapter TT Diagonalkreuzadapter TT Galvanized Height: 7 1/2" (19 cm) 	**1.8**	**586661000**
Spacer C6 TT Distanzhalter C6 TT Galvanized Height: 6" (15,3 cm) 	**1.9**	**586662000**
End protector C6 TT Endschutz C6 TT Galvanized Length: 7" (17,5 cm) 	**6.4**	**586663000**

	[lbs]	Article #
Screw-set splice plate C6 TT top Schraubensatz Verbindungslasche C6 TT oben Galvanized Width-across: 30 mm	4.2	586664000
Screw-set splice plate C6 TT bottom Schraubensatz Verbindungslasche C6 TT unten Galvanized Width-across: 30 mm	5.3	586665000
Fastening bolt TT Absteckbolzen TT Galvanized Length: 10" (26,5 cm)	3.5	586666000
Adjustment leg TT 2G Justierstiel TT 2G Galvanized Height: 4'-5" (133,5 cm)	20.9	586667500
Adjustment leg TT Justierstiel TT Galvanized Height: 4'-5" (133,5 cm)	20.5	586667000

	[lbs]	Article #
Screw jack foot TT 3'-2" Fußspindel TT 3'-2" Galvanized	23.1	586668000
Screw jack foot TT 4'-2" Fußspindel TT 4'-2" Galvanized	27.6	586669000
Screw jack anti-dropout lock TT Fußspindelsicherung TT Galvanized Length: 2 1/2" (6,4 cm)	0.49	586670000
Table head SP TT Tischkopf SP TT Galvanized	35.5	586684000
Lifting adapter TT Umsetzadapter TT Galvanized Length: 9" (24 cm)	8.6	586671000
Shackle Xclimb 60 6.5t Schäkel Xclimb 60 6,5t Galvanized Height: 5 1/2" (14,5 cm) Follow the directions in the "Operating Instructions"!	4.4	581376000
Diagonal cross TT 12'-0" Diagonalkreuz TT 12'-0" Galvanized	26.7	586672000

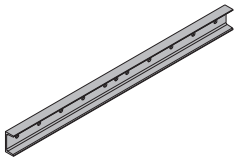
	[lbs]	Article #
Diagonal cross 9.100	**9.0**	**582772000**
Diagonal cross 9.150	**11.5**	**582773000**
Diagonal cross 9.175	**13.4**	**582334000**
Diagonal cross 9.200	**14.6**	**582774000**
Diagonal cross 9.250	**17.0**	**582775000**
Diagonal cross 9.300	**19.8**	**582323000**
Diagonal cross 12.100	**10.1**	**582610000**
Diagonal cross 12.150	**12.6**	**582612000**
Diagonal cross 12.175	**13.9**	**582335000**
Diagonal cross 12.200	**15.2**	**582614000**
Diagonal cross 12.250	**18.3**	**582616000**
Diagonal cross 12.300	**20.5**	**582325000**
Diagonal cross 18.100	**13.4**	**582620000**
Diagonal cross 18.150	**15.2**	**582622000**
Diagonal cross 18.175	**17.2**	**582336000**
Diagonal cross 18.200	**17.2**	**582624000**
Diagonal cross 18.250	**20.1**	**582626000**
Diagonal cross 18.300	**22.7**	**582326000**

Diagonalkreuz

Galvanized
Delivery condition: folded closed

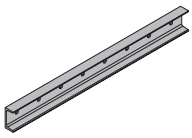
Strengthening profile TT 5'-0" **45.2** **586673000**
Verstärkungsprofil TT 5'-0"

Galvanized



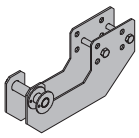
Strengthening profile TT 4'-0" **35.3** **586674000**
Verstärkungsprofil TT 4'-0"

Galvanized



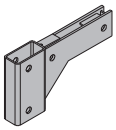
Tilting connector TT **12.8** **586675000**
Klappverbinder TT

Galvanized
Length: 1'-6" (45 cm)



Drop beam connector TT **15.0** **586676000**
Unterzugsanschluss TT

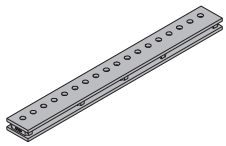
Galvanized
Length: 1'-4" (40 cm)



	[lbs]	Article #
Drop beam waling TT	**37.0**	**586677000**

Unterzugsriegel TT

Galvanized
Length: 3'-1" (93 cm)

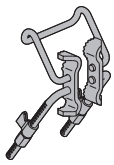


Beam screw H 8/70 **0.13** **580117000**
Riegelverschraubung H 8/70

Galvanized
Length: 3 1/4" (8 cm)
Width-across: 13 mm

Flange clamp G **2.4** **580120000**
Flanschklammer G

Galvanized
Width: 5" (13 cm)
Width-across: 19 mm

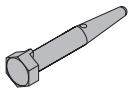


A clamp assembly **0.33** **585752000**
Trägerklammer A

Length: 2 3/4" (7 cm)
Width: 2 1/2" (6,2 cm)

Connecting pin 10cm **0.75** **580201000**
Verbindungsbolzen 10cm

Galvanized
Length: 5 1/2" (14 cm)



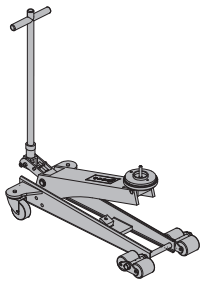
Spring cotter 5mm **0.066** **580204000**
Federvorstecker 5mm

Galvanized
Length: 5" (13 cm)

Lowering device TT 5 1/8" - 2'-6" 2G **142.0** **586678500**
Absenkwagen TT 5 1/8" - 2'-6" 2G

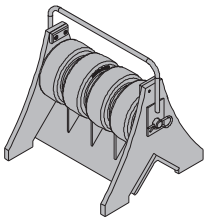
red

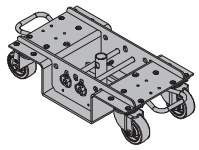
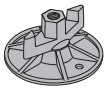
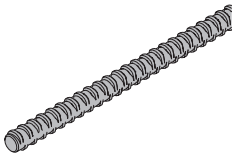
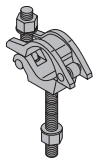
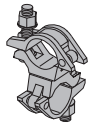
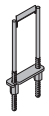
CE

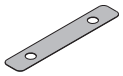
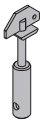
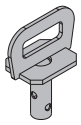
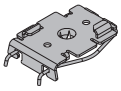
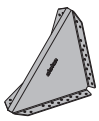
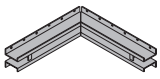


Edge roller TT **54.2** **586680000**
Rollenbock TT

Galvanized
Length: 1'-2" (35 cm)
Width: 1' (31 cm)



	[lbs]	Article #
Trolley TT Rollwagen TT Galvanized Length: 2'-4" (70 cm) Width: 1'-1" (32 cm) 	**64.4**	**586681000**
Super plate 15.0 Superplatte 15,0 Galvanized Height: 2 1/4" (6 cm) Diameter: 4 1/2" (12 cm) Width-across: 27 mm 	**2.4**	**581966000**
Tie rod 15.0mm galvanized 0.50m	**1.6**	**581821000**
Tie rod 15.0mm galvanized 0.75m	**2.4**	**581822000**
Tie rod 15.0mm galvanized 1.00m	**3.1**	**581823000**
Tie rod 15.0mm galvanized 1.25m	**4.0**	**581826000**
Tie rod 15.0mm galvanized 1.50m	**4.9**	**581827000**
Tie rod 15.0mm galvanized 1.75m	**5.5**	**581828000**
Tie rod 15.0mm galvanized 2.00m	**6.4**	**581829000**
Tie rod 15.0mm galvanized 2.50m	**7.9**	**581852000**
Tie rod 15.0mm galvanized .....m	**3.1**	**581824000**
Tie rod 15.0mm non-treated 0.50m	**1.6**	**581870000**
Tie rod 15.0mm non-treated 0.75m	**2.4**	**581871000**
Tie rod 15.0mm non-treated 1.00m	**3.1**	**581874000**
Tie rod 15.0mm non-treated 1.25m	**4.0**	**581886000**
Tie rod 15.0mm non-treated 1.50m	**4.6**	**581876000**
Tie rod 15.0mm non-treated 1.75m	**5.5**	**581887000**
Tie rod 15.0mm non-treated 2.00m	**6.4**	**581875000**
Tie rod 15.0mm non-treated 2.50m	**7.9**	**581877000**
Tie rod 15.0mm non-treated 3.00m	**9.5**	**581878000**
Tie rod 15.0mm non-treated 3.50m	**11.0**	**581888000**
Tie rod 15.0mm non-treated 4.00m	**12.6**	**581879000**
Tie rod 15.0mm non-treated 5.00m	**15.9**	**581880000**
Tie rod 15.0mm non-treated 6.00m	**19.0**	**581881000**
Tie rod 15.0mm non-treated 7.50m	**23.6**	**581882000**
Tie rod 15.0mm non-treated .....m	**3.1**	**581873000**
Ankerstab 15,0mm 		
Screw-on coupler 48mm 50	**1.9**	**682002000**
Screw-on coupler 48mm 95	**1.9**	**586013000**
Anschraubkupplung Galvanized Width-across: 22 mm Follow fitting instructions! 		
Swivel coupler 48mm Drehkupplung 48mm Galvanized Width-across: 22 mm Follow fitting instructions! 	**3.3**	**582560000**
Brace stirrup 8 Spannbügel 8 Galvanized Width: 7 1/2" (19 cm) Height: 1'-6" (46 cm) Width-across: 30 mm 	**6.0**	**582751000**

	[lbs]	Article #
Safety plate for brace stirrup 8 Sicherungsblech für Spannbügel 8 red Length: 9" (23 cm) 	**0.11**	**582753000**
Dokamatic strut connection Dokamatic-Stützenanschluss Galvanized Height: 10" (26 cm) 	**2.9**	**586215000**
Dokamatic scaffold connection Dokamatic-Gerüstanschluss Galvanized Height: 11" (27 cm) 	**7.5**	**586216000**
Spring locked connecting pin 16mm Federbolzen 16mm Galvanized Length: 6" (15 cm) 	**0.55**	**582528000**
Doka express anchor 16x125mm Doka-Expressanker 16x125mm Galvanized Length: 7" (18 cm) Follow fitting instructions! 	**0.68**	**588631000**
Doka coil 16mm Doka-Coil 16mm Galvanized Diameter: 5/8" (1,6 cm) 	**0.02**	**588633000**
Supporting head H20 DF Haltekopf H20 DF Galvanized Length: 7 1/2" (19 cm) Width: 4 1/2" (11 cm) Height: 3 1/4" (8 cm) 	**1.7**	**586179000**
Alu box beam supporting head Haltekopf Schalungsträger Alu Galvanized 	**1.6**	**585863000**
Universal end-shutter support 30cm Universal-Abschalwinkel 30cm Galvanized Height: 8" (21 cm) 	**2.2**	**586232000**
Framax S universal corner waling Framax S-Eckklemmschiene Painted blue Leg length: 2' (60 cm) 	**28.9**	**588521000**

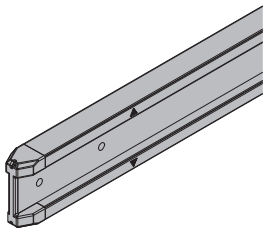
	[lbs]	Article #
Dokamatic edge clamp 0.70m Dokamatic-Randklemme 0,70m Galvanized	**8.6**	**586222000**
Frami universal fixing bolt 5-12cm Frami-Universalverbinder 5-12cm Galvanized Length: 9" (23 cm)	**0.95**	**588479000**
Screw-on handrail post 1.50m Anschraubgeländer 1,50m Galvanized	**19.8**	**540451080**
Handrail post T 1.80m Einschubgeländer T 1,80m Galvanized	**39.0**	**584373000**
Handrail clamp S Schutzgeländerzwinge S Galvanized Height: 4' - 5'-7" (123 - 171 cm)	**25.4**	**580470000**
Handrail clamp T Schutzgeländerzwinge T Galvanized Height: 4' - 5'-1" (122 - 155 cm)	**27.1**	**584381000**

	[lbs]	Article #
Strip tensioner B 6.00m Bandzwinge B 6,00m Galvanized Special order only!	**7.3**	**580394500**
Lashing strap 5.00m Zurrgurt 5,00m Yellow	**6.2**	**586018000**
Plastic mallet 4kg Kunststoffhammer 4kg Blue Length: 3'-7" (110 cm)	**9.9**	**586097000**
Doka beam H20 top N 1.80m	**18.7**	**189011000**
Doka beam H20 top N 2.45m	**25.4**	**189012000**
Doka beam H20 top N 2.65m	**27.6**	**189013000**
Doka beam H20 top N 2.90m	**30.0**	**189014000**
Doka beam H20 top N 3.30m	**34.2**	**189015000**
Doka beam H20 top N 3.60m	**37.3**	**189016000**
Doka beam H20 top N 3.90m	**40.3**	**189017000**
Doka beam H20 top N 4.50m	**46.7**	**189018000**
Doka beam H20 top N 4.90m	**50.7**	**189019000**
Doka beam H20 top N 5.90m	**61.1**	**189020000**
Doka beam H20 top N .....m	**10.4**	**189010000**
Doka beam H20 top N .....m BS Doka-Träger H20 top N Varnished yellow	**10.4**	**189021000**

	[lbs]	Article #
Doka beam H20 top P 1.80m	**20.9**	**189701000**
Doka beam H20 top P 2.45m	**28.7**	**189702000**
Doka beam H20 top P 2.65m	**31.1**	**189703000**
Doka beam H20 top P 2.90m	**34.0**	**189704000**
Doka beam H20 top P 3.30m	**38.6**	**189705000**
Doka beam H20 top P 3.60m	**42.1**	**189706000**
Doka beam H20 top P 3.90m	**45.6**	**189707000**
Doka beam H20 top P 4.50m	**52.7**	**189708000**
Doka beam H20 top P 4.90m	**57.3**	**189709000**
Doka beam H20 top P 5.90m	**69.0**	**189710000**
Doka beam H20 top P .....m	**11.7**	**189700000**
Doka beam H20 top P .....m BS	**11.7**	**189711000**
Doka beam H20 top P 11'-6"	**41.0**	**189713000**
Doka beam H20 top P 16'-0"	**57.1**	**189712000**

Doka-Träger H20 top P

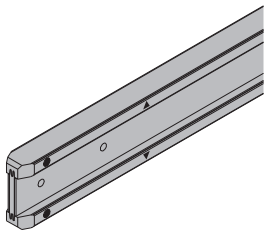
Varnished yellow



Doka beam H20 eco N 1.80m	**18.7**	**189283000**
Doka beam H20 eco N 2.45m	**25.4**	**189271000**
Doka beam H20 eco N 2.65m	**27.6**	**189272000**
Doka beam H20 eco N 2.90m	**30.0**	**189273000**
Doka beam H20 eco N 3.30m	**34.2**	**189284000**
Doka beam H20 eco N 3.60m	**37.3**	**189285000**
Doka beam H20 eco N 3.90m	**40.3**	**189276000**
Doka beam H20 eco N 4.50m	**46.7**	**189286000**
Doka beam H20 eco N 4.90m	**50.7**	**189277000**
Doka beam H20 eco N 5.90m	**61.1**	**189287000**
Doka beam H20 eco N .....m	**10.4**	**189299000**
Doka beam H20 eco N .....m BS	**10.4**	**189289000**

Doka-Träger H20 eco N

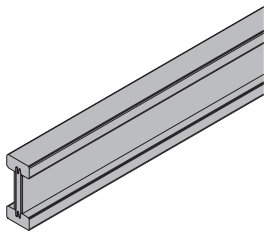
Varnished yellow



Doka beam H20 eco N 1.25m	**13.0**	**189282000**
Doka beam H20 eco N 12.00m	**124.0**	**189288000**

Doka-Träger H20 eco N

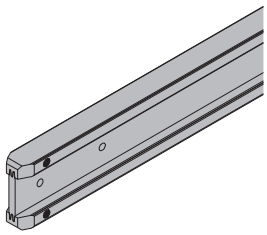
Varnished yellow



	[lbs]	Article #
Doka beam H20 eco P 1.80m	**20.9**	**189940000**
Doka beam H20 eco P 2.45m	**28.7**	**189936000**
Doka beam H20 eco P 2.65m	**31.1**	**189937000**
Doka beam H20 eco P 2.90m	**34.0**	**189930000**
Doka beam H20 eco P 3.30m	**38.6**	**189941000**
Doka beam H20 eco P 3.60m	**42.1**	**189942000**
Doka beam H20 eco P 3.90m	**45.6**	**189931000**
Doka beam H20 eco P 4.50m	**52.7**	**189943000**
Doka beam H20 eco P 4.90m	**57.3**	**189932000**
Doka beam H20 eco P 5.90m	**69.0**	**189955000**
Doka beam H20 eco P 9.00m	**103.0**	**189956000**
Doka beam H20 eco P .....m	**11.7**	**189999000**
Doka beam H20 eco P .....m BS	**11.7**	**189957000**

Doka-Träger H20 eco P

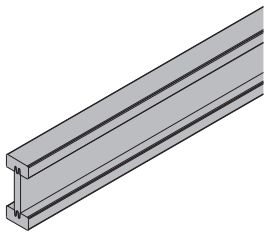
Varnished yellow



Doka beam H20 eco P 1.25m	**14.6**	**189939000**
Doka beam H20 eco P 12.00m	**140.0**	**189993000**

Doka-Träger H20 eco P

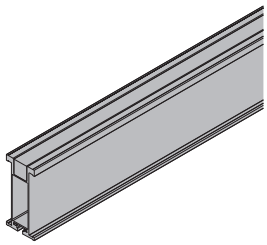
Varnished yellow



Alu box beam 8'-0"	**41.7**	**585860000**
Alu box beam 12'-0"	**61.5**	**585861000**
Alu box beam 16'-0"	**67.9**	**841176014**
Alu box beam 18'-0"	**92.2**	**585862000**

Schalungsträger Alu

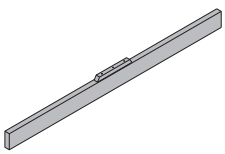
Aluminum



Insertion beam 1.95m	**15.7**	**183074000**
Insertion beam 2.45m	**19.6**	**183075000**

Einschubträger

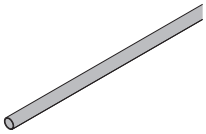
Varnished yellow



	[lbs]	Article #
Scaffolding tube 1 1/2"x6'-0"	**16.3**	**585070000**
Scaffolding tube 1 1/2"x8'-0"	**21.8**	**585071000**
Scaffolding tube 1 1/2"x10'-6"	**28.7**	**585072000**
Scaffolding tube 1 1/2"x13'-0"	**35.3**	**585073000**
Scaffolding tube 1 1/2"x15'-0"	**40.8**	**585074000**
Scaffolding tube 1 1/2"x21'-0"	**57.1**	**585075000**

Gerüstrohr 1 1/2"

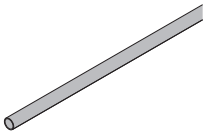
Galvanized



Scaffold tube 48.3mm 0.50m	**3.7**	**682026000**
Scaffold tube 48.3mm 1.00m	**7.9**	**682014000**
Scaffold tube 48.3mm 1.50m	**11.9**	**682015000**
Scaffold tube 48.3mm 2.00m	**15.9**	**682016000**
Scaffold tube 48.3mm 2.50m	**19.8**	**682017000**
Scaffold tube 48.3mm 3.00m	**23.8**	**682018000**
Scaffold tube 48.3mm 3.50m	**27.8**	**682019000**
Scaffold tube 48.3mm 4.00m	**31.7**	**682021000**
Scaffold tube 48.3mm 4.50m	**35.7**	**682022000**
Scaffold tube 48.3mm 5.00m	**39.7**	**682023000**
Scaffold tube 48.3mm 5.50m	**43.7**	**682024000**
Scaffold tube 48.3mm 6.00m	**47.6**	**682025000**
Scaffold tube 48.3mm .....m	**7.9**	**682001000**

Gerüstrohr 48,3mm

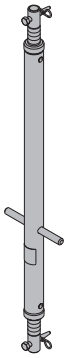
Galvanized



Spindle strut T7 75/110cm	**29.1**	**584308000**
Spindle strut T7 100/150cm	**37.0**	**584309000**
Spindle strut T7 150/200cm	**47.6**	**584324000**
Spindle strut T7 200/250cm	**57.8**	**584325000**
Spindle strut T7 250/300cm	**64.8**	**584326000**
Spindle strut T7 305/355cm	**77.2**	**584327000**

Spindelstrebe T7

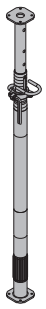
Galvanized



	[lbs]	Article #
Doka floor prop Eurex 30 top 250	**28.2**	**586092400**
Length: 4'-10" - 8'-2" (148 - 250 cm)		
Doka floor prop Eurex 30 top 300	**36.2**	**586093400**
Length: 5'-8" - 9'-10" (173 - 300 cm)		
Doka floor prop Eurex 30 top 350	**45.6**	**586094400**
Length: 6'-6" - 11'-6" (198 - 350 cm)		
Doka floor prop Eurex 30 top 400	**54.2**	**586095400**
Length: 7'-4" - 13'-1" (223 - 400 cm)		
Doka floor prop Eurex 30 top 450	**64.2**	**586119400**
Length: 8'-2" - 14'-9" (248 - 450 cm)		

Doka-Deckenstütze Eurex 30 top

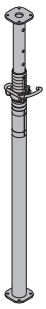
Galvanized



Doka floor prop Eurex 30 250	**32.6**	**586092000**
Length: 5' - 8'-2" (152 - 250 cm)		
Doka floor prop Eurex 30 300	**36.8**	**586093000**
Length: 5'-8" - 9'-10" (172 - 300 cm)		
Doka floor prop Eurex 30 350	**45.2**	**586094000**
Length: 6'-6" - 11'-6" (197 - 350 cm)		
Doka floor prop Eurex 30 400	**54.9**	**586095000**
Length: 7'-5" - 13'-1" (227 - 400 cm)		
Doka floor prop Eurex 30 450	**64.4**	**586119000**
Length: 8'-2" - 14'-9" (248 - 450 cm)		

Doka-Deckenstütze Eurex 30

Galvanized

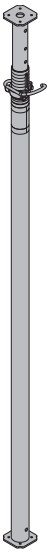


Doka floor prop Eurex 20 550	**76.3**	**586090000**

Doka-Deckenstütze Eurex 20 550

Galvanized

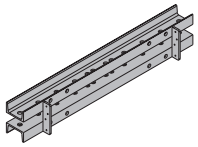
Length: 9'-9" - 18'-1" (297 - 550 cm)



	[lbs]	Article #
Multi-purpose waling WS10 Top50 2'-6"	**34.2**	**581601000**
Multi-purpose waling WS10 Top50 3'-0"	**39.7**	**581621000**
Multi-purpose waling WS10 Top50 4'-0"	**53.8**	**581602000**
Multi-purpose waling WS10 Top50 5'-0"	**67.7**	**581617000**
Multi-purpose waling WS10 Top50 6'-0"	**82.2**	**581603000**
Multi-purpose waling WS10 Top50 7'-0"	**92.6**	**581616000**
Multi-purpose waling WS10 Top50 8'-0"	**109.0**	**581604000**
Multi-purpose waling WS10 Top50 10'-0"	**134.0**	**581605000**
Multi-purpose waling WS10 Top50 12'-0"	**164.0**	**581606000**
Multi-purpose waling WS10 Top50 14'-0"	**192.0**	**581607000**
Multi-purpose waling WS10 Top50 16'-0"	**218.0**	**581608000**

Mehrzweckriegel WS10 Top50

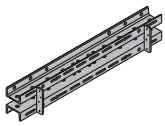
Painted blue



Multi-purpose waling WS10 Top50 0.50m	**22.5**	**580001000**
Multi-purpose waling WS10 Top50 0.75m	**32.8**	**580002000**
Multi-purpose waling WS10 Top50 1.00m	**43.2**	**580003000**
Multi-purpose waling WS10 Top50 1.25m	**54.5**	**580004000**
Multi-purpose waling WS10 Top50 1.50m	**65.5**	**580005000**
Multi-purpose waling WS10 Top50 1.75m	**77.2**	**580006000**
Multi-purpose waling WS10 Top50 2.00m	**85.8**	**580007000**
Multi-purpose waling WS10 Top50 2.25m	**97.4**	**580008000**
Multi-purpose waling WS10 Top50 2.50m	**107.0**	**580009000**
Multi-purpose waling WS10 Top50 2.75m	**119.0**	**580010000**
Multi-purpose waling WS10 Top50 3.00m	**133.0**	**580011000**
Multi-purpose waling WS10 Top50 3.50m	**151.0**	**580012000**
Multi-purpose waling WS10 Top50 4.00m	**175.0**	**580013000**
Multi-purpose waling WS10 Top50 4.50m	**196.0**	**580014000**
Multi-purpose waling WS10 Top50 5.00m	**225.0**	**580015000**
Multi-purpose waling WS10 Top50 5.50m	**248.0**	**580016000**
Multi-purpose waling WS10 Top50 6.00m	**260.0**	**580017000**

Mehrzweckriegel WS10 Top50

Painted blue



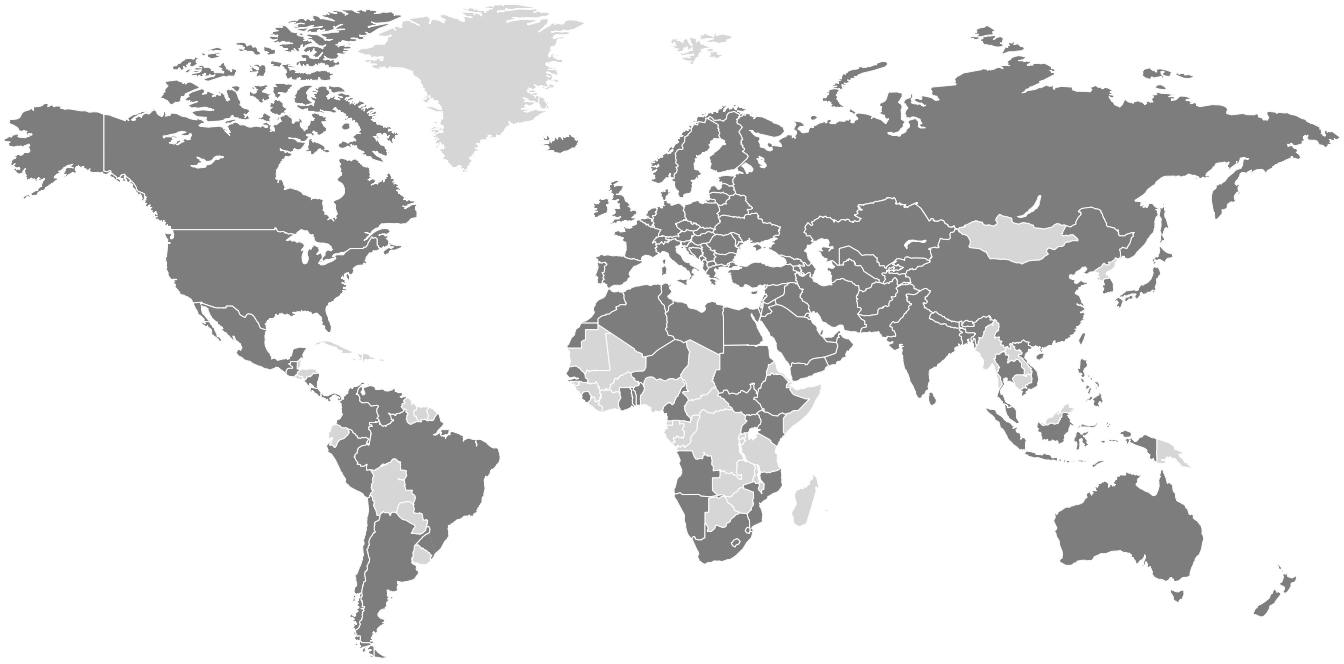
[lbs]	Article #

Near to you, worldwide

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

With more than 160 sales and logistics facilities in over 70 countries, the Doka Group has a highly efficient distribution network which ensures that equipment and technical support are provided swiftly and professionally.

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



www.doka.com/trusstable