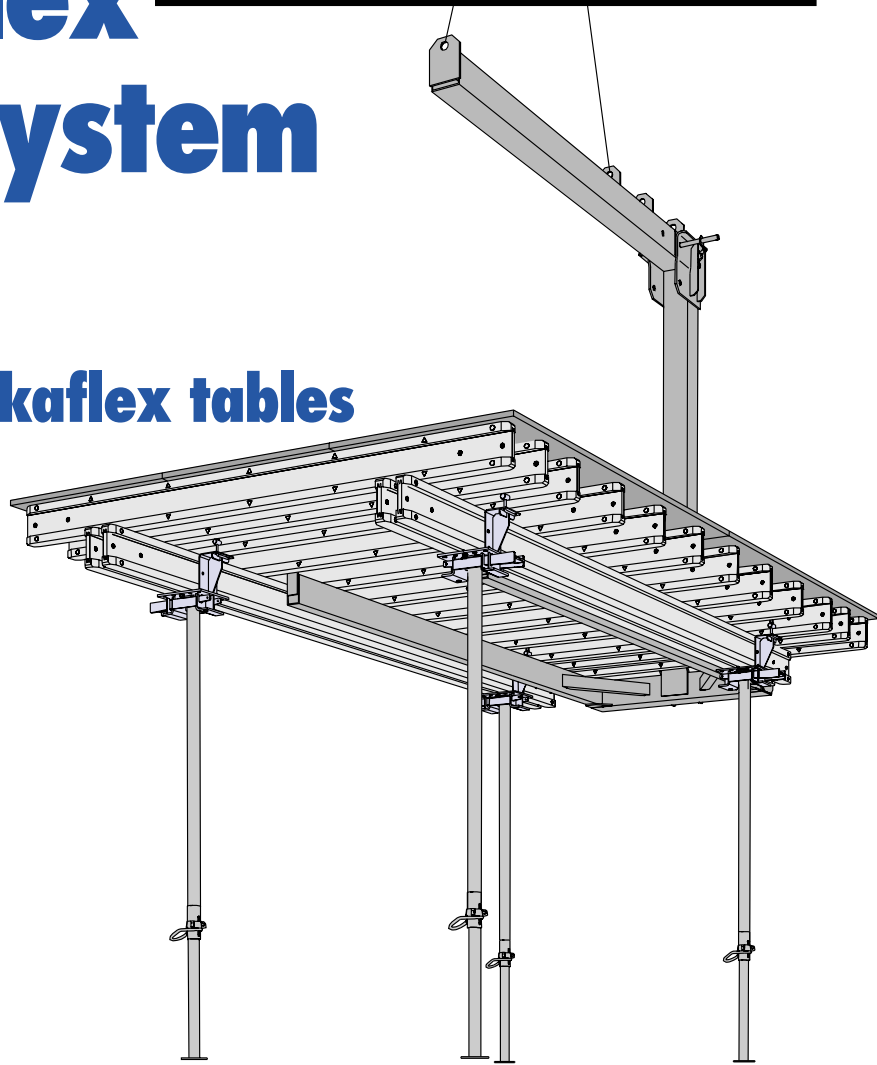


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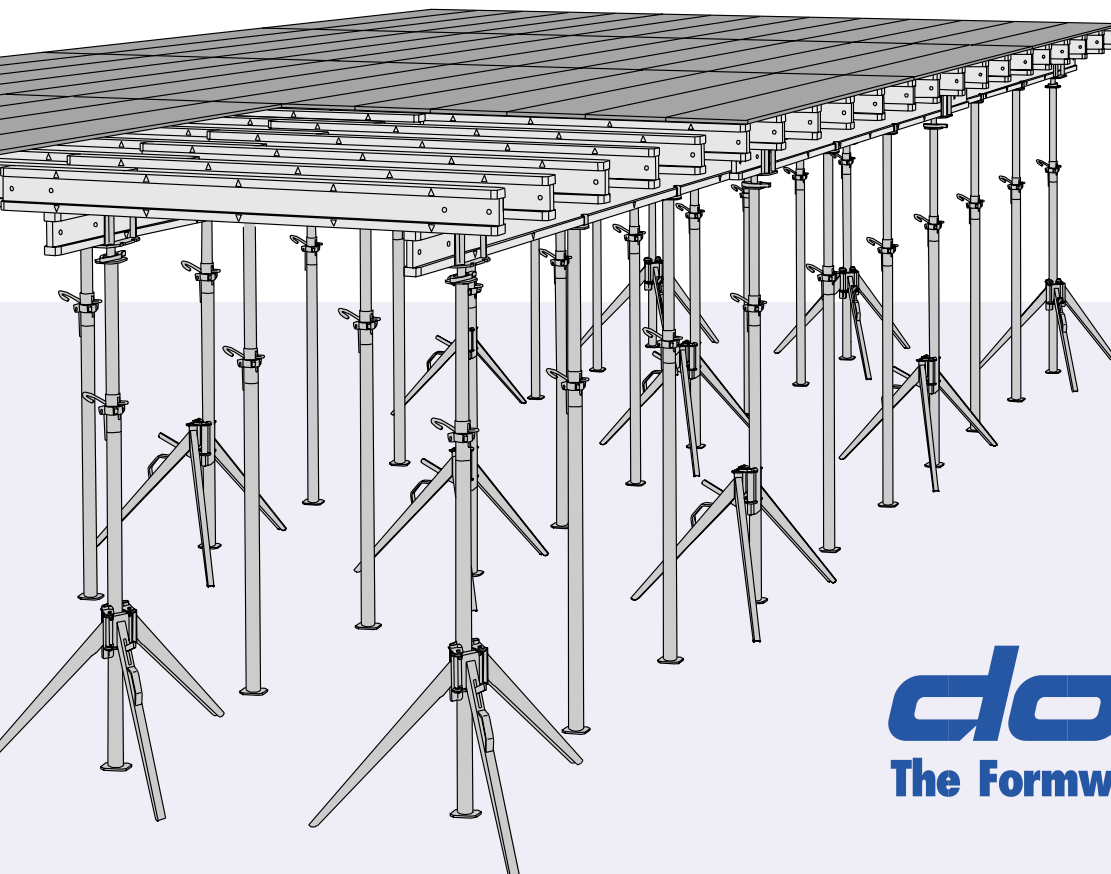
User information

Dokaflex floor system

... Dokaflex tables



... Dokaflex 1-2-4



doka
The Formwork Experts



Important notice:

For safe use of our products, please observe all relevant regulations issued by the local health and safety authorities in the country in which you are operating.

Certain illustrations in this brochure show the situation during formwork assembly and are therefore incomplete from the point of view of safety.

The instructions for function and use of the formwork given in this brochure must be strictly adhered to. If any deviations from these instructions are contemplated, revised static calculations must be produced for checking.

All materials must be inspected before use to ensure that they are in a safe condition. Any components that are damaged, deformed, or weakened due to wear, corrosion or rot must not be used.

Use only original Doka components as replacement parts.

Combining our formwork systems with those of other manufacturers could be dangerous and therefore requires special checking.

If required, we can provide trained personnel to give on-site instruction in use of the formwork.

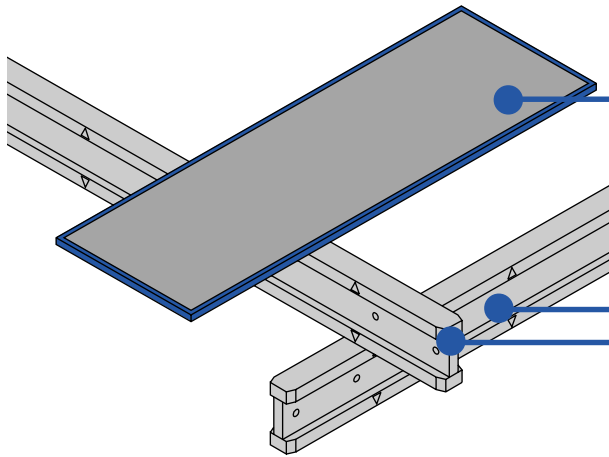
We reserve the right to make alterations in the interests of technical progress.

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A-3300 Amstetten

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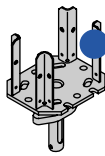
Dokaflex 1-2-4 - the high-speed panel system

Small number of system components - all perfectly co-ordinated



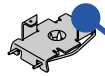
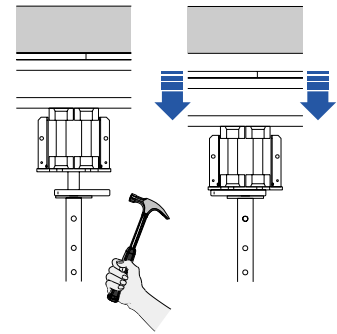
The Dokadur panel (or plywood decking)
in the formats
150 x 50 cm
200 x 50 cm
250 x 50 cm

Formwork beam H 20 3.90 m (primary)
Formwork beam H 20 2.65 m (secondary)



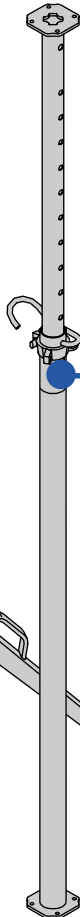
Lowering head H 20

Holds the primary beams. For stripping, a blow of the hammer is all it takes to instantly lower the formwork 6 cm. This creates enough space to remove the secondary beams and the Dokadur panels (plywood decking).



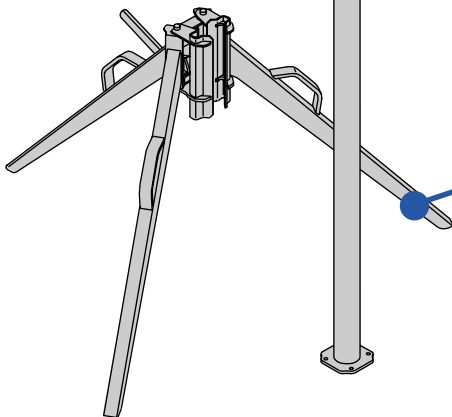
Supporting head H 20 DF

Secures intermediate props so that these cannot fall over.



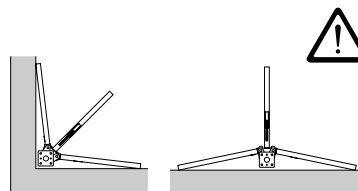
The Doka Eurex 20 floor prop

Meets the European Standard. 20 kN capacity (to European Standard category D), no matter how far extended. This load-bearing capacity is ideal for floor formwork systems.



Removable folding tripod

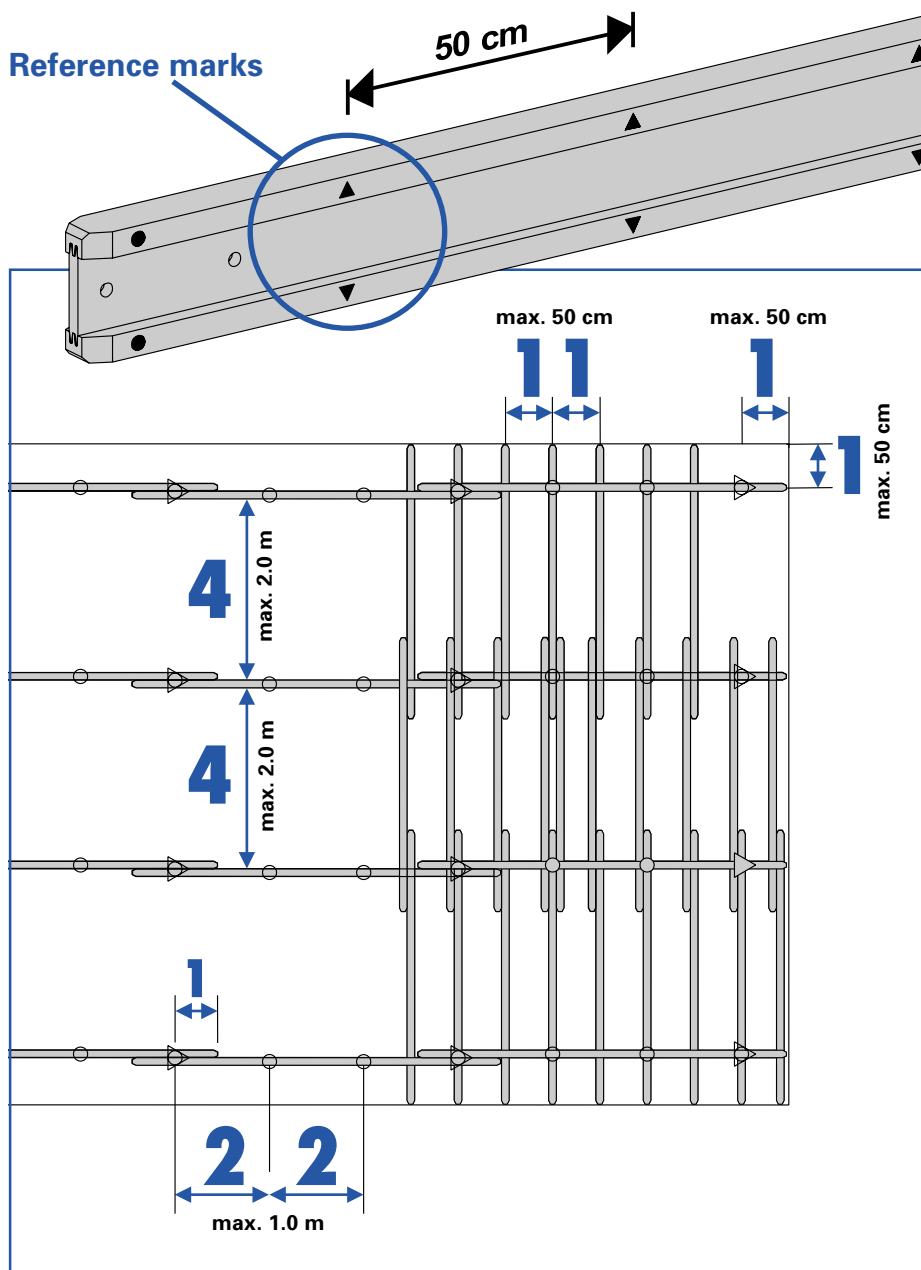
Holds floor props upright. The tripod's swivelling legs allows flexible placement in constricted situations such as in corners and along edges.



If it is not possible to unfold all the legs of the tripod - e.g. at the edges of a structure or at floor break-throughs etc. - we recommend using this tripod on an adjacent floor prop where there is room for all the legs to be completely unfolded.

Detailed plans and measuring up are eliminated for all slabs up to a thickness of 30 cm

- Structural-design work, not required as 1-2-4 shows you the maximum spacings for all slabs up to 30 cm thick
- Reference marks on beams mean there is no need to measure up
- Easy fine adjustment - just overlap the Doka formwork beams.
- You can tell at a glance that the formwork has been erected correctly
- Tough, hard-wearing components



No matter whether the beams are supported beneath, between or next to the marks, the maximum spacing is always plain to see.

1 mark = 0.5 m

Longest cantilevering of beam, and spacing of secondary beams

2 marks = 1.0 m

Widest spacing of floor props

4 marks = 2.0 m

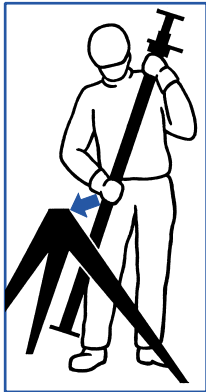
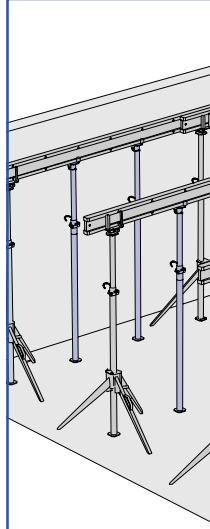
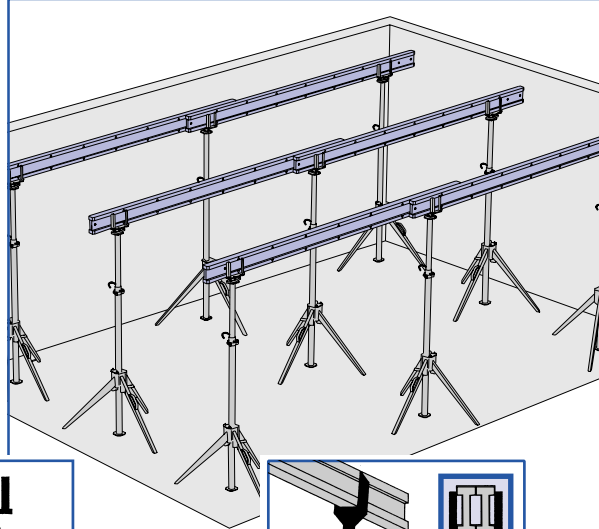
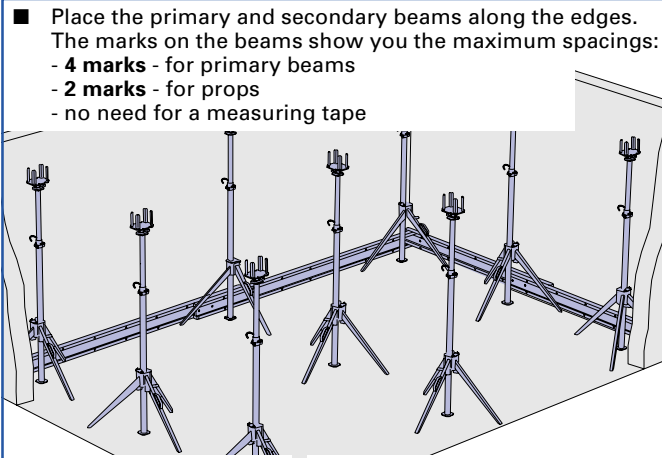
Widest spacing of primary beams

Tip

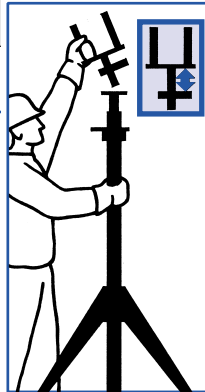
As a rule of thumb, if the length of a room is an uneven measurement (5m, 7 m, 9 m ...), then the primary beams should be at right angles to it, rather than parallel. This makes more efficient utilisation of the potential of the system.

Here's how quick and easy Dokaflex 1-2-4 is to erect

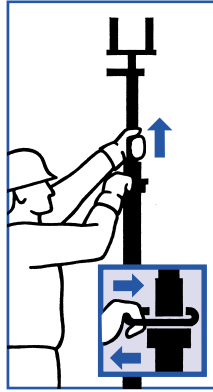
- Place the primary and secondary beams along the edges. The marks on the beams show you the maximum spacings:
 - 4 marks - for primary beams
 - 2 marks - for props
 - no need for a measuring tape



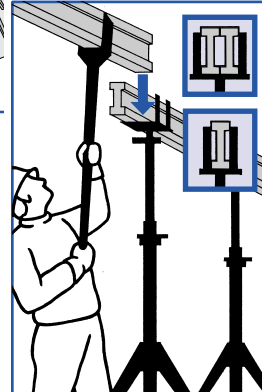
- Place the floor props in the tripods and secure them with the clamping lever.



- Insert the lowering heads into the props. Remember to keep 6 cm clearance between the plate of the lowering head and the impact wedge.



- Use the handle to roughly adjust the height of the floor prop (this is made easier by the numbered holes in the prop).



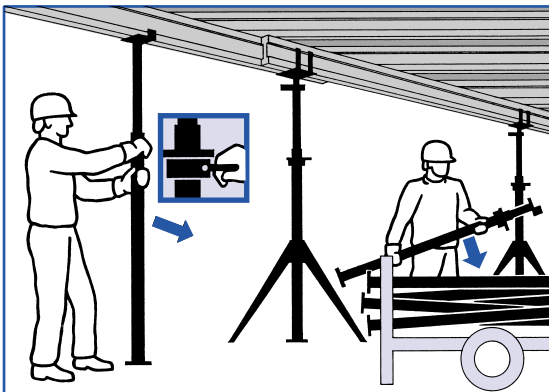
- Using the beam fork, place the primary beams into the lowering heads.

The lowering heads can hold both single and double beams (at overlaps).

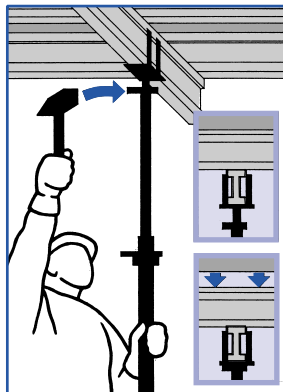
Tip Turn the lowering heads under peripheral beams so that it is possible to strike the impact wedge when stripping the formwork.

Fast, clean striking

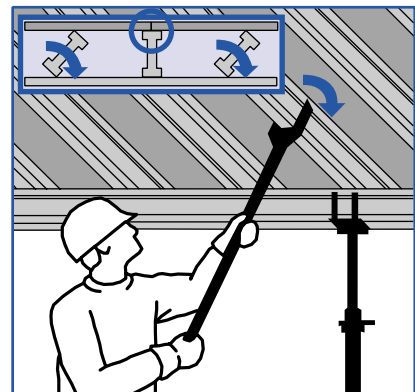
See the instructions on Page 48 when striking formwork from beneath wide-span concrete floor slabs.



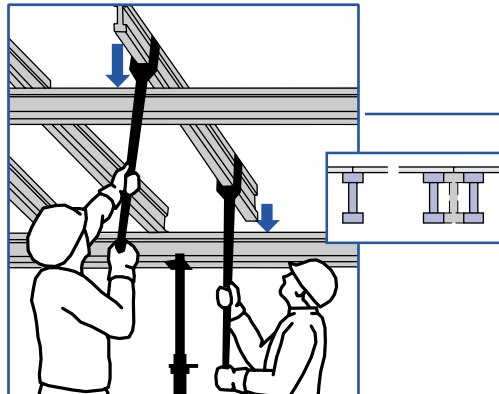
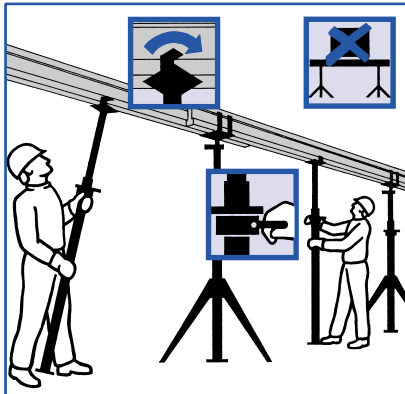
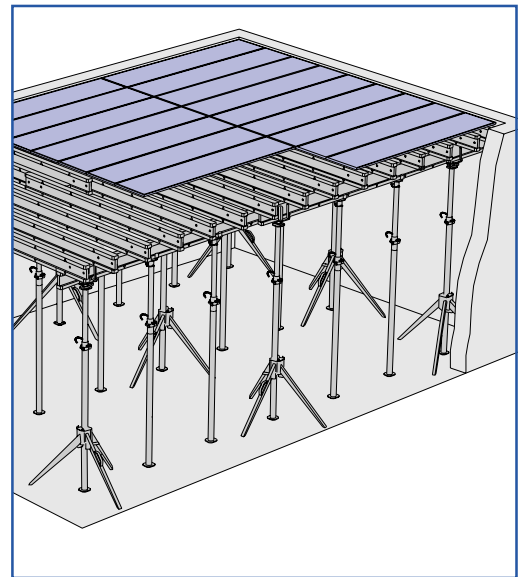
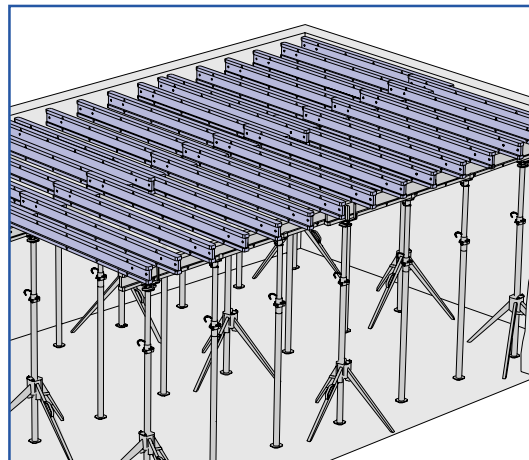
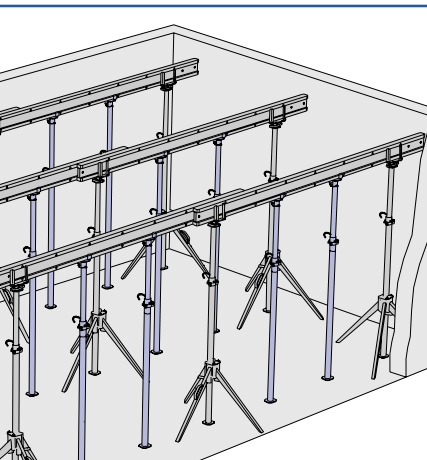
- Take out all the intermediate props and store them in the stacking pallet.



- Lower the formwork by 6 cm. A blow of the hammer to the lowering head is all it takes.



- Turn the secondary beams over onto their sides and pull them out. Leave the beams under the panel-joints in place.



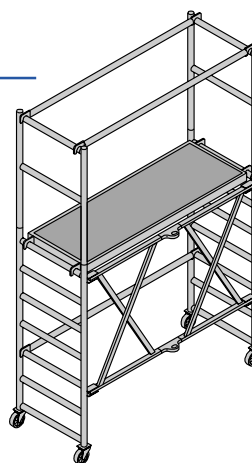
■ Lay the Dokadur panels (or plywood decking).

- Adjust the primary beams to the correct floor height.
- Set up the intermediate props (max. spacing - 2 marks):
Fit a supporting head H 20 DF onto the floor prop and secure it with the integral spring-steel buckle (p. 25).

It is not permitted to place loads on the floor formwork (e.g. beams, panels, reinforcements) until the intermediate props have been set up!

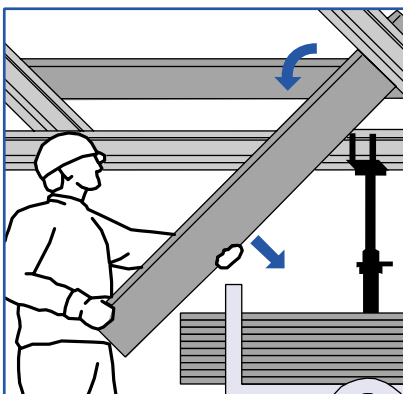
- Place the secondary beams on the primary beams, with an overlap.
Max. spacing: 1 mark (clear to see, with no need for measuring)
- Be sure to place a beam (or double beam) wherever there is to be a joint in the plywood decking.

To make striking easier:



The mobile scaffold DF is a collapsible wheelaround platform made of light alloy. Its variable working height of up to 3.80 m (platform height 1.75m) makes it ideal for striking formwork in rooms of medium height.

Permissible load: 1.5 kN/m²
Floor area of scaffold: 0.75 x 1.80 m



- Take off the Dokadur panels (or plywood decking).
- Use the beam fork to take down the secondary and primary beams, and place them in the stacking pallet.

- Place the tripods and props in the handy stacking pallet.

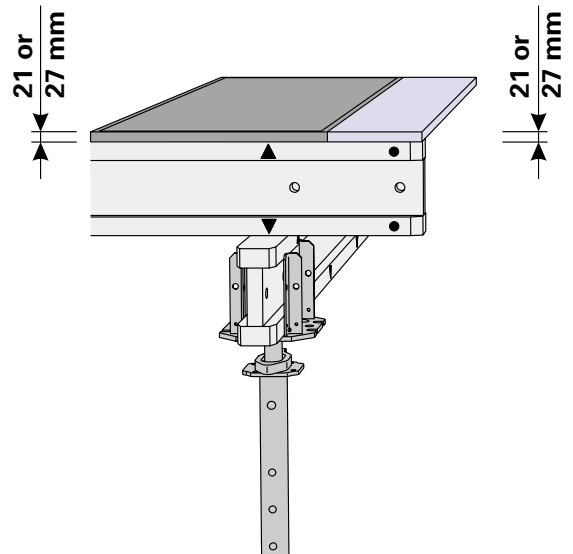
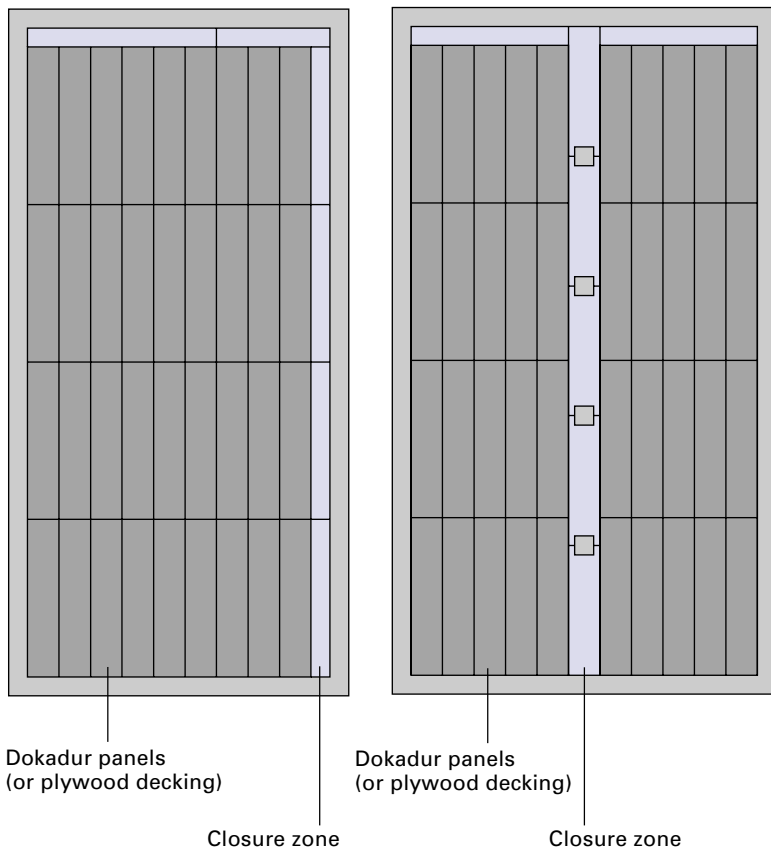


Shift floor props and lowering heads separately. When shifting floor props together with attached lowering heads, secure these with a spring-locked connecting pin, 16 mm, to prevent them falling out. This is particularly important when the props are transported in the horizontal!

Dokaflex 1-2-4 fits any groundplan

High-speed closures and adjustments make for rapid forming times

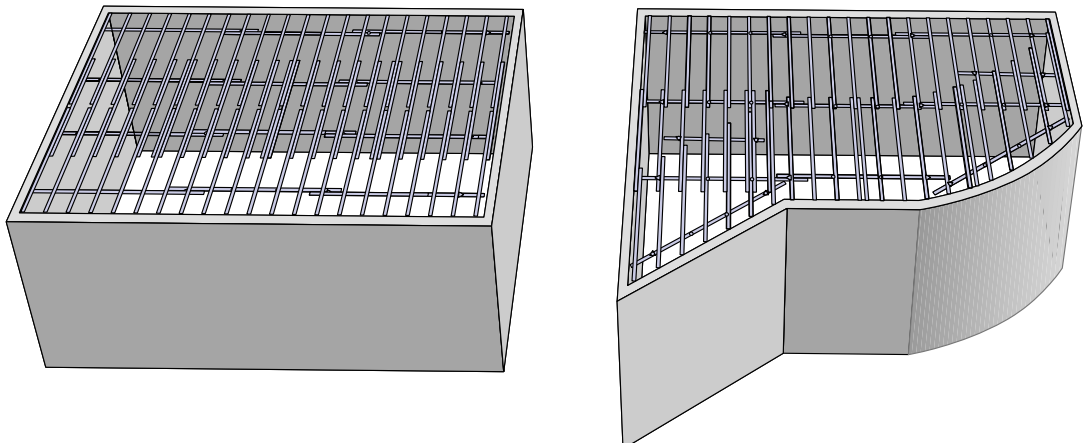
Infill zones are solved within the system. The uniform thickness of the form-ply and the easy lateral adjustability of the supportwork together minimise extra work required in the infill zones. All that remains to be done is to cut sheets to size - no accessories, no small parts.



As adjustments to the structure need not necessarily be made around the periphery but can be made wherever needed, this means that adjustments can also be made very efficiently around structural columns.

Grid and flexibility - in one system

A consistent idea that effortlessly adapts to even the most complex groundplans. A truly logical system.



Dokaflex 1-2-4 system components - also for slabs that are over 30 cm thick

Only 1 system on site

Using the same system components and the same lengths of beam (secondary beams = 2.65 m, primary beams = 3.90 m), it is just as easy to form slabs with thicknesses of over 30 cm.

■ Supporting the form-ply

➔ Spacing of secondary beams: max. 1 mark = 0.50 m

■ Supporting the H 20 2.65 m secondary beams

➔ Spacing of primary beams: max. 4 marks = 2.00 m

■ Supporting the H 20 3.90 m primary beams

➔ Props spaced as per table

Floor thickness [cm]	Total load [kN/m ²]	Max. allowable prop spacing [m]				
		for a selected primary-beam spacing [m] of				
		1.00	1.25	1.50	1.75	2.00
30	9.66	2.03	1.66	1.38	1.18	1.04
35	11.22	1.78	1.43	1.19	1.02	0.89
40	12.78	1.56	1.25	1.04	0.89	0.78
45	14.34	1.39	1.12	0.93	0.80	0.70
50	15.90	1.26	1.01	0.84	0.72	0.63

These tables allow for a live load of 20% of the dead load of the wet concrete, but not less than 1.5 kN/m² (150 kp/m²). Deflection in mid-span has been limited to 1/500.

The high capacity of Doka Eurex floor props to DIN EN 1065 and Eco 20* floor props to ÖNORM B4009 (20 kN irrespective of extension) eliminates the need for any additional verification of the prop load.

* not in the sales range for Germany

Slab stop-ends and railings

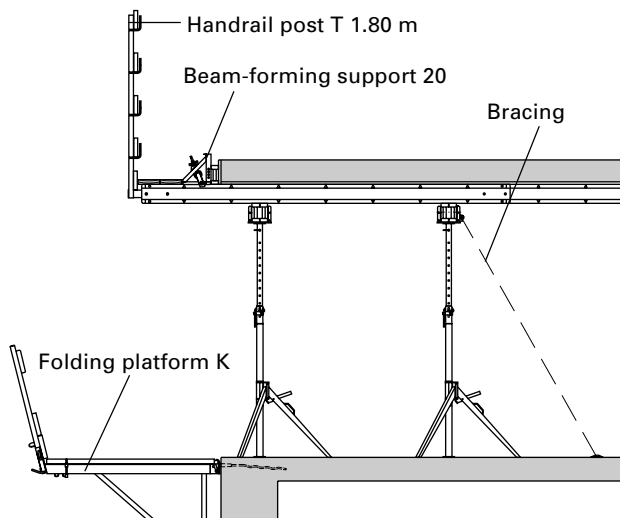
The type of shoring used for slab stop-ends and floor-beams will depend upon the:

- load
- size
- location
- shoring height

You can choose between Dokaflex, Dokaflex tables, Aluxo and Staxo.

Ensure safety against overturning near edges!

Without floor-beam



In order for the horizontal forces to be safely transferred, the superstructure must be firmly attached to the bracing. The bracing may be fastened either to the secondary or primary beam. Either chains, ropes or panel props may be used for the bracing.

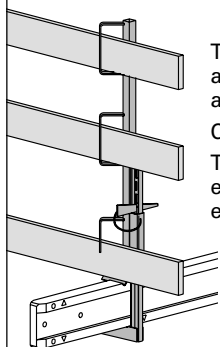


For work at dangerous heights, the secondary-beam elements with the working platform must be pre-assembled at ground level.

Where work platforms are erected on cantilevering floor formwork, the formwork must be secured against 'lift-off'.

Secondary beams with clamped-on beam-forming supports must be secured against horiz. pull-out.

Railings using the handrail clamp S



The handrail clamp S can be mounted anywhere on the timber formwork beam and on finished concrete floors.

Clamping range from 2 - 43 cm.

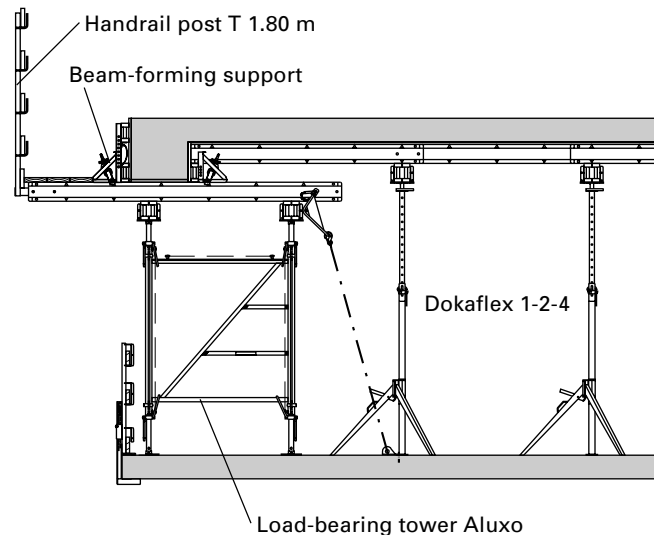
The insertion brackets are angled at 45°, enabling the planks to be inserted from either plane.



Please follow the the "Assembly and utilisation instruction booklet for Doka handrail clamp S".

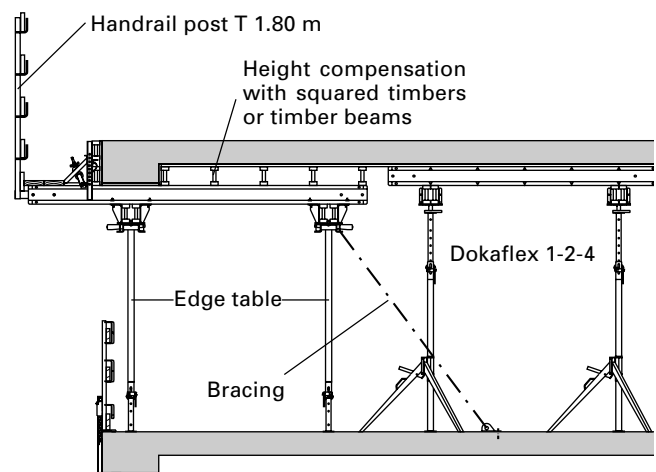
With floor-beam

Aluxo and beam-forming supports can be ideally combined with Dokaflex 1-2-4 where a floor-beam needs to be formed.

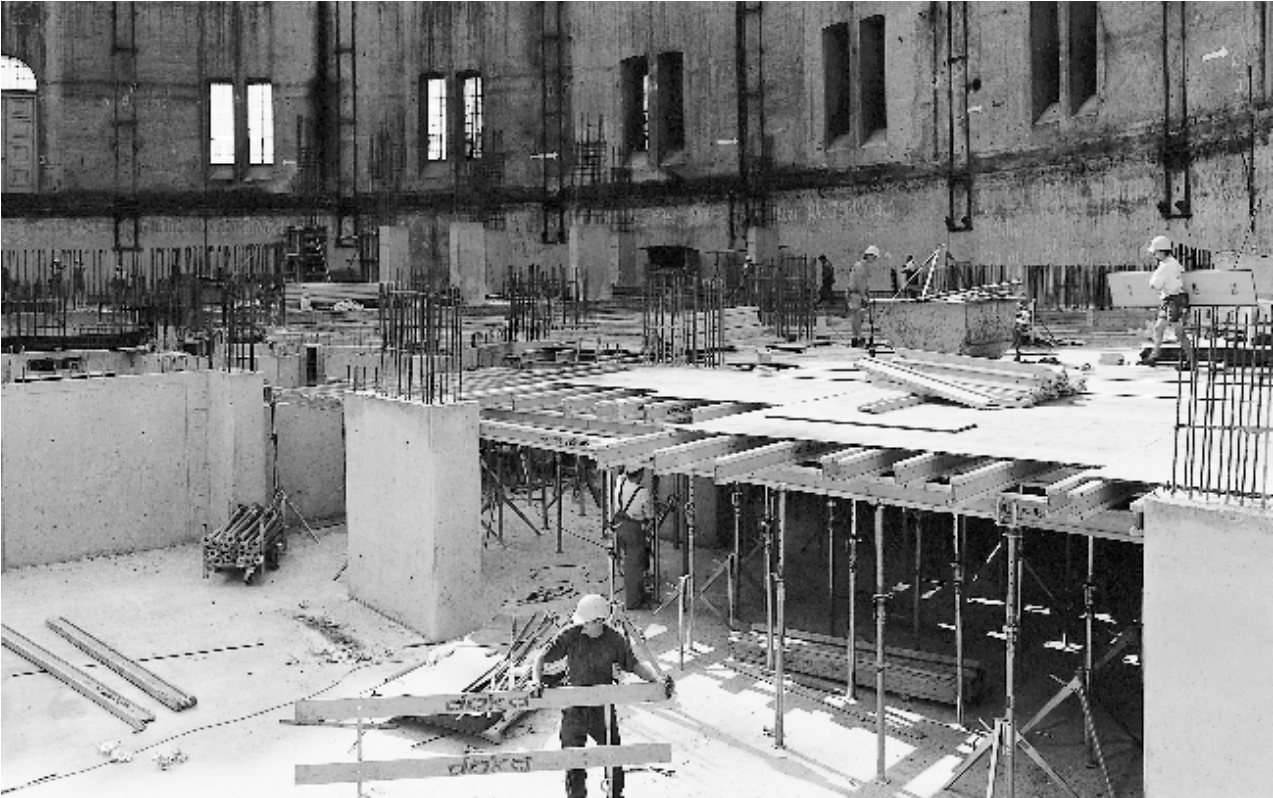


Dokaflex 1-2-4 can also be combined with the Dokaflex tables.

Floor-beams, slab stop-ends and railings are integrated in the **edge table**.



Dokaflex 1-2-4 in practice



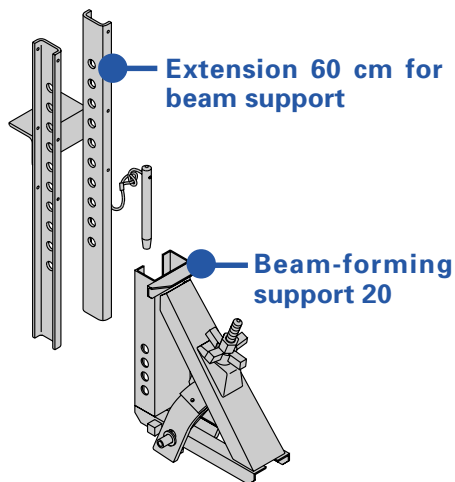
Site:
Gas-holder redevelopment, Vienna



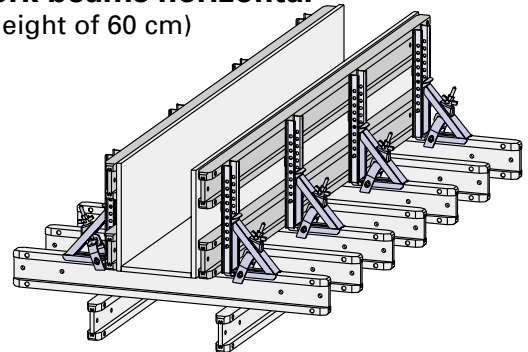
Site:
New premises for "MLP Softwarehaus", Wiesloch, Germany

Beam-forming support solutions for slab stop-ends and floor beams

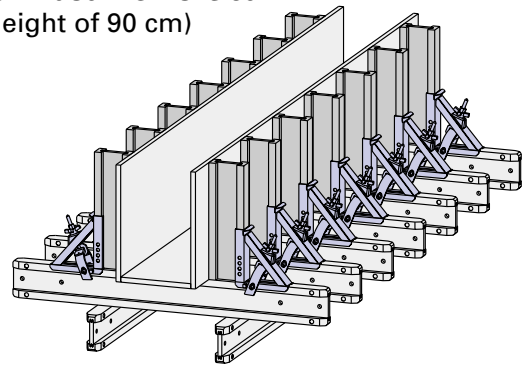
The **beam-forming support 20** is the professional way of forming floor beams and slab stop-ends. In conjunction with the '**extension 60 cm for beam support**', exact height adjustment to within 1 cm is possible up to 60 cm. This does away with time-consuming in-situ timber make up. The beam-forming support automatically clamps the formwork tight, resulting in clean concrete surfaces and grout tight edges.



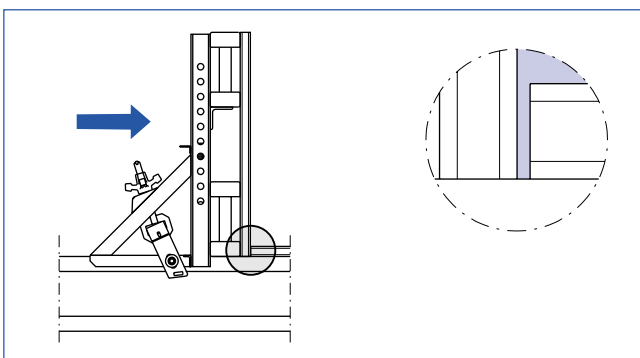
Formwork beams horizontal (up to a height of 60 cm)



Formwork beams vertical (up to a height of 90 cm)

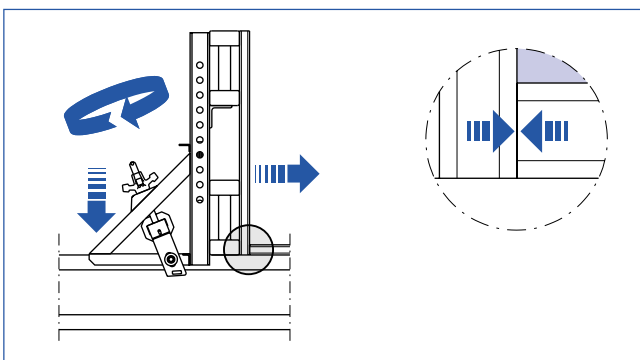


How to use the beam-forming support



- Place the beam-forming support onto the H 20 secondary beam and push it up against the sidewall formwork.

The large support surface of the beam-forming support gives the sidewall formwork a high degree of (90°) angle accuracy.

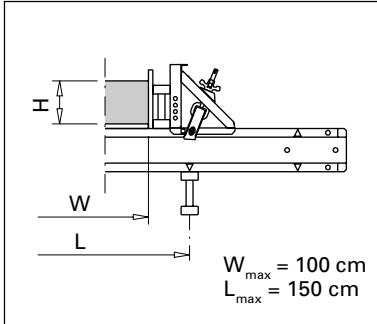


- Clamp the beam-forming support. The diagonal bracing of the beam-forming support, ensures that the join between the formwork panels is **automatically pressed together tightly**.

The result is a **clean concrete surface** with no grout loss.

Floor beams / slab stop-ends

Floor beams of between 10 and 30 cm in height



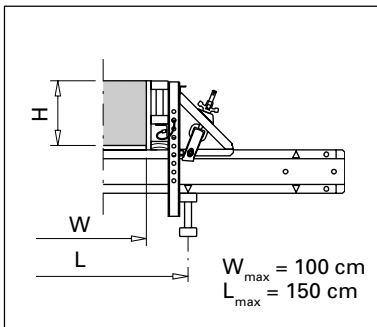
Sidewall formwork:

- H 20 timber formwork beam

H = Height of floor beam
 W = Width of floor beam
 L = Spacing between primary beams

Spacing between secondary beams	Position of beam-forming support
50.0 cm	On every 3rd secondary beam

Floor beams of between 30 and 47 cm in height

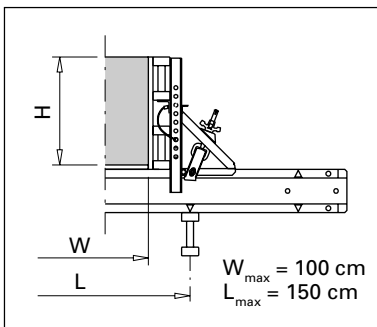


Sidewall formwork:

- H 20 timber formwork beam
- 4 x 8 cm squared timber for floor beams between 30 and 34 cm in height
- 8 x 8 cm squared timber for floor beams between 34 and 47 cm in height

Spacing between secondary beams	Position of beam-forming support
50.0 cm	On every 2nd secondary beam

Floor beams of between 47 and 70 cm in height

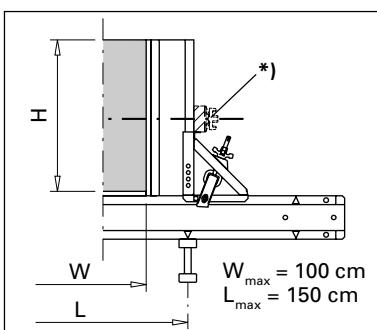


Sidewall formwork:

- 2 x H 20 timber formwork beams

H	Spacing between secondary beams	Position of beam-forming support
Up to 60 cm	50.0 cm	On every 2nd secondary beam
From 60 cm	33.3 cm	On every 2nd secondary beam

Floor beams of between 70 and 90 cm in height



Sidewall formwork:

- H 20 timber formwork beam, upright

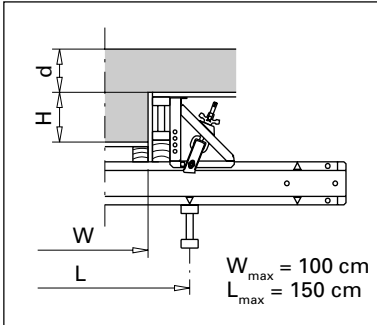
*) For very stringent dimensional requirements, we recommend placing a form-tie through the sidewall formwork.

H	Spacing between secondary beams	Position of beam-forming support
Up to 85 cm	41.7 cm	On every secondary beam
From 85 cm	36.0 cm	On every secondary beam

Floor beams integrated into floor

Secondary beams parallel to floor beam

Floor beams of between 10 and 30 cm in height



Base formwork:

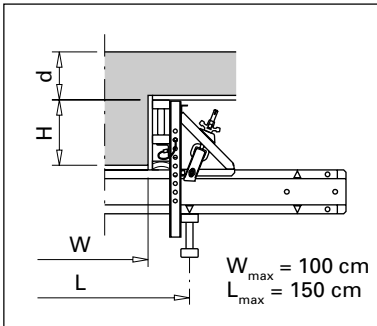
- Height of squared timber = 30-H (cm)

Sidewall formwork:

- H 20 timber formwork beam
- Squared timber 10 x 8 cm

Thickness of floor d	Spacing between secondary beams for floor beam	Position of beam-forming support
20 cm	62.5 cm	On every 2nd secondary beam
30 cm	41.7 cm	On every 3rd secondary beam

Floor beams of between 30 and 47 cm in height

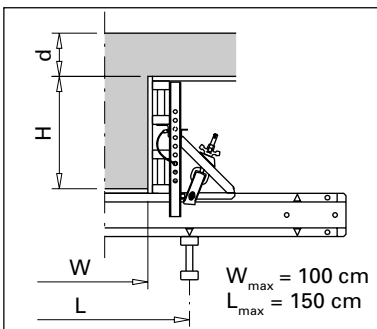


Sidewall formwork:

- H 20 timber formwork beam
- 4 x 8 cm squared timber for floor beams between 30 and 34 cm in height
- 8 x 8 cm squared timber for floor beams between 34 and 47 cm in height

Thickness of floor d	Spacing between secondary beams for floor beam	Position of beam-forming support
20 cm	41.7 cm	On every 2nd secondary beam
30 cm	33.3 cm	On every 2nd secondary beam

Floor beams of between 47 and 60 cm in height

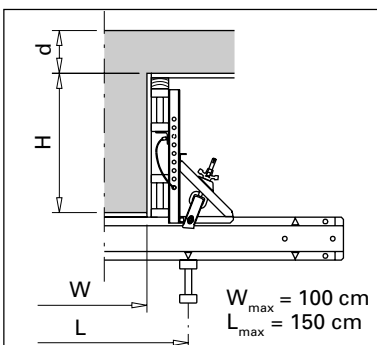


Sidewall formwork:

- 2 x H 20 timber formwork beams

Thickness of floor d	Spacing between secondary beams for floor beam	Position of beam-forming support
20 cm	31.25 cm	On every 2nd secondary beam
30 cm	25.00 cm	On every 2nd secondary beam

Floor beams of between 60 and 70 cm in height



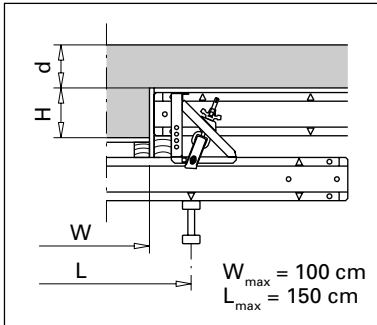
Sidewall formwork:

- 2 x H 20 timber formwork beams
- Height of squared timber = H-60 (cm)

Thickness of floor d	Spacing between secondary beams for floor beam	Position of beam-forming support
20 cm	40.0 cm	On every secondary beam
30 cm	-	-

Secondary beams perpendicular to floor beam

Floor beams of between 10 and 30 cm in height



Base formwork:

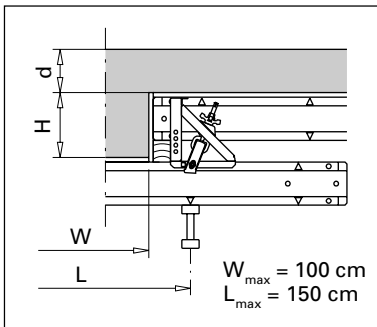
- Height of squared timber = $30 - H$ (cm)

Sidewall formwork:

- H 20 timber formwork beam
- Squared timber 10 x 8 cm

Thickness of floor d	Spacing between secondary beams for floor beam	Position of beam-forming support
20 cm	62.5 cm	On every 2nd secondary beam
30 cm	41.7 cm	On every 3rd secondary beam

Floor beams of between 30 and 40 cm in height

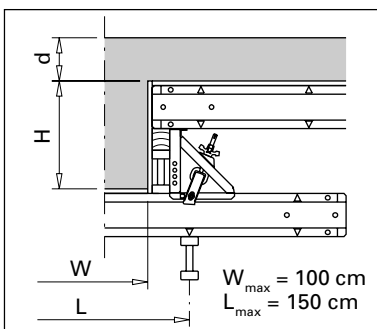


Sidewall formwork:

- H 20 timber formwork beam
- Height of squared timber = $H - 20$ (cm)

Thickness of floor d	Spacing between secondary beams for floor beam	Position of beam-forming support
20 cm	50.0 cm	On every 2nd secondary beam
30 cm	41.7 cm	On every 2nd secondary beam

Floor beams of between 40 and 51 cm in height

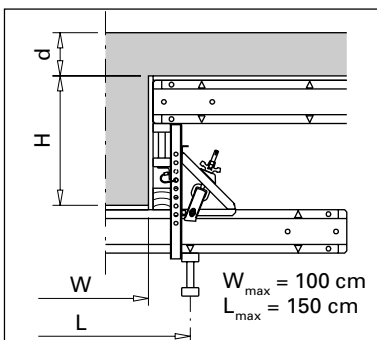


Sidewall formwork:

- H 20 timber formwork beam
- Height of squared timber = $H - 40$ (cm)

Thickness of floor d	Spacing between secondary beams for floor beam	Position of beam-forming support
20 cm	41.7 cm	On every 2nd secondary beam
30 cm	31.25 cm	On every 2nd secondary beam

Floor beams of between 51 and 70 cm in height



Sidewall formwork:

- H 20 timber formwork beam
- 5 x 8 cm squared timber for floor beams between 51 and 60 cm in height
- 10 x 8 cm squared timber for floor beams between 60 and 70 cm in height

Thickness of floor d	Spacing between secondary beams for floor beam	Position of beam-forming support
20 cm	40.0 cm	On every secondary beam
30 cm	-	-

Form-ply 3-SO 21 mm and 3-SO 27 mm.

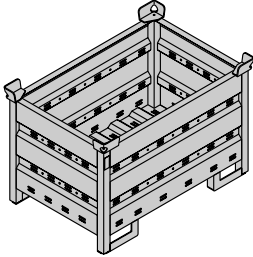
Floor influence zone on either side of floor beam: max. 1.0 m

Doka multi-trip packaging

Exploit the advantages of Doka multi-trip packaging on the site.

Doka offers tried-and-tested means of streamlining transport and handling, and delivers in multi-trip packaging. Any unneeded packaging can simply be sent back to your nearest Doka branch.

Doka multi-trip transport box 1200 x 800



The ideal container for connection parts and other smaller components. Durable and stackable.

Max. carrying capacity: 1500 kg
Max. imposed load: 7900 kg



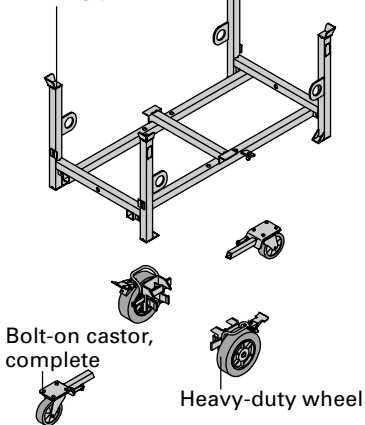
It is **ESSENTIAL** to read the instructions in the manual supplied with the unit before starting to use it!

The multi-trip transport box is used to deliver:

Lowering head H 20	40 units
Four-way head H 20	40 units
Beam forming supp. 20	35 units

Doka stacking pallet

Stacking pallet



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

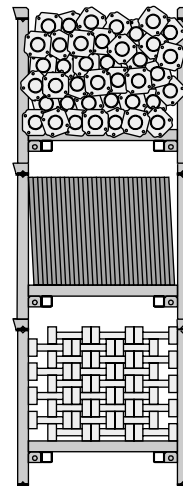
- All sizes of Doka floor prop are delivered ex works in the stacking pallet.

With the bolt-on castor set (attached by quick-action connections), the stacking pallet can easily be turned into a handy, manoeuvrable transport trolley. As it is only 86 cm wide, it passes easily through all standard doorways.

Max. carrying capacity: 1100 kg
Max. imposed load: 5900 kg

The bolt-on castor set consists of:
2 heavy-duty wheels (complete)
2 bolt-on castors (complete)

It is **ESSENTIAL** to read the instructions in the manual supplied with the unit before starting to use it!



Doka floor props

Eurex 20	
250, 300, 350	40 units
400, 550	30 units
Eurex 30	
250, 300	40 units
350, 400	30 units
Eco 20	40 units

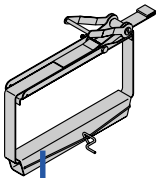
Dokadur panels

21 mm	32 units
27 mm	25 units

Doka timber formwork beams H 20

27 units

Doka stacking strap 50



The perfect way of packing Dokadur panels

- Dokadur panels are delivered ex-works packed in stacking straps 50

The stacking strap is 3 things in one:

- Base rest profile
 - Lashing strap
 - Edge protection
- and is stable and safe.

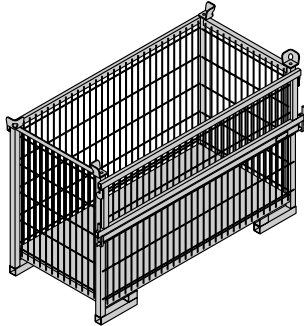
The stacking strap 50 is the tidy, space-saving way of storing and transporting Dokadur panels. It can also be used in conjunction with the wheelaround Doka stacking pallet, enabling even large stacks of panels to be moved around with no need for a crane.

2 stacking straps 50 are needed per stack of panels.

Dokadur panels

21 mm	60 units
27 mm	50 units

Doka skeleton transport box 1700 x 800



The practical container for all small components
- durable - stackable.

Max. carrying capacity: 700 kg
Max. imposed load: 3150 kg






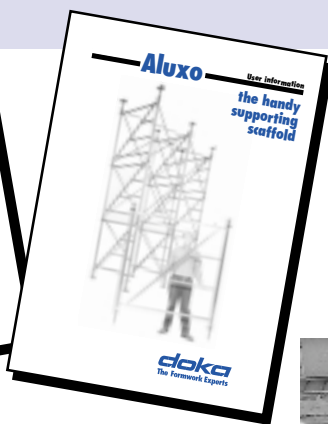
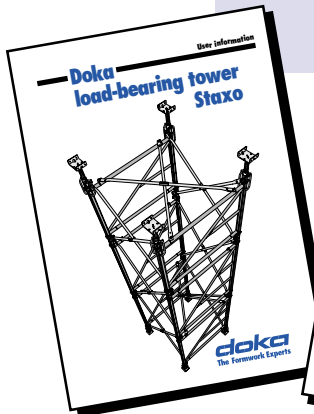
It is ESSENTIAL to read the instructions in the manual supplied with the unit before starting to use it!

The skeleton transport box is used for delivering e.g.:

Remov. folding tripod	35 units
Handrail clamp S	40 units

Tip Practical recommendations for forming floor-slabs economically

-  Easy materials scheduling using the materials slide-rule and Tipos formwork planning program
-  To protect the surface of the form-ply, use only vibrators with protective rubber caps
-  Dokaflex 1-2-4 is ideal for use where the shoring heights are up to approx. 4.0 m. The height range above this is covered by the Dokaflex tables and Doka's Aluxo and Staxo load-bearing towers. For both these systems, Doka offers comprehensive user information material.



Site:
"Alpenvorland" residential development, Amstetten, Austria



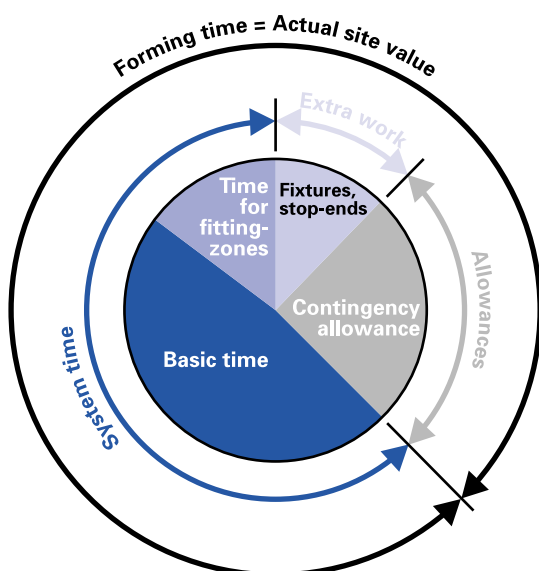
Sequence-optimised forming with no special planning

Dokaflex 1-2-4, the economical way to work:

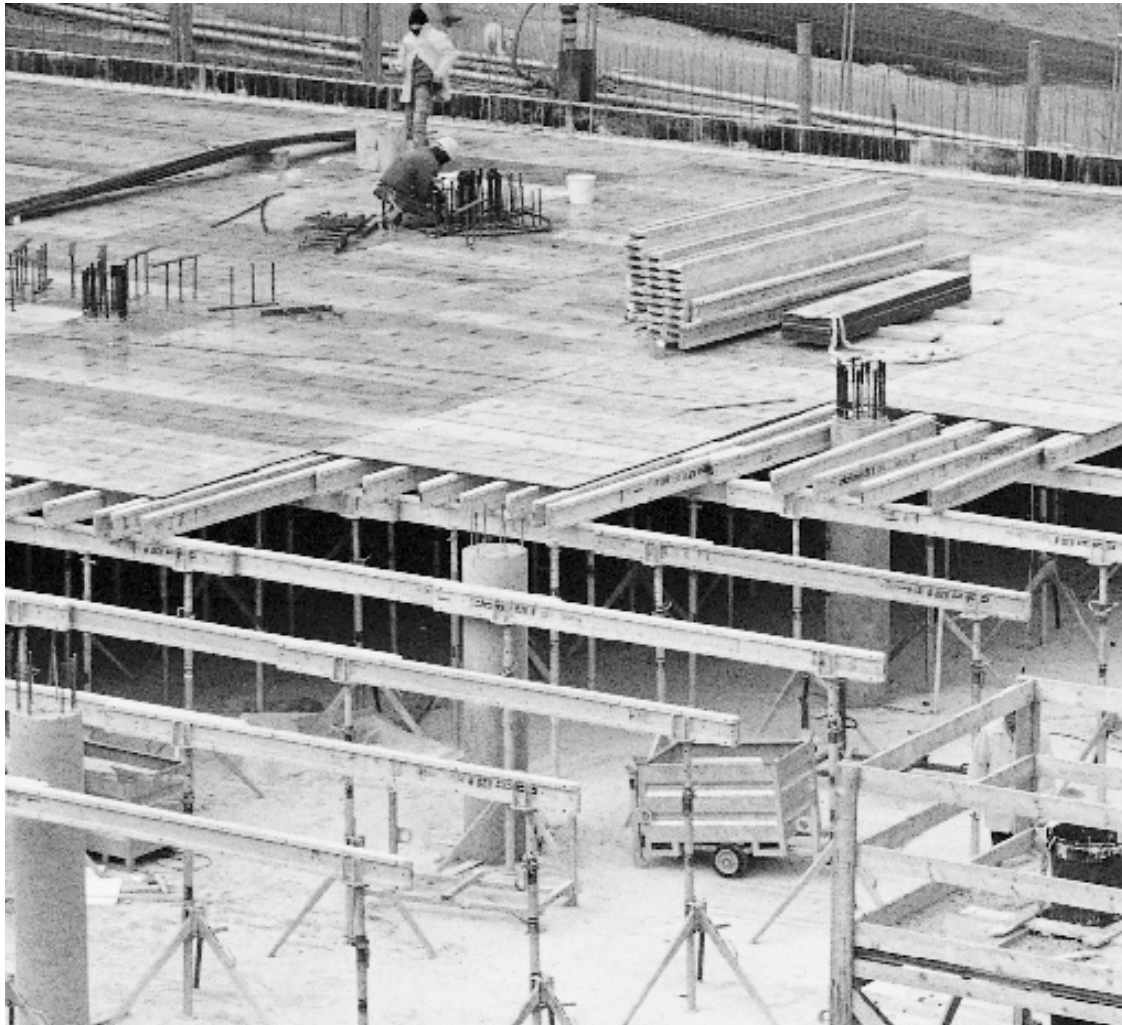
- ✓ This easy-to-understand system needs little explaining and is quick to "get the hang of". Cost-cutting potential through man-hour reductions. "1-2-4" speeds up the operating sequence - no measuring up; makes checking very easy.
- ✓ Infill zones are managed within the system - no need to fill gaps with in-situ formwork - no closures in the sub-construction - flexible, despite grid.
- ✓ Dokadur panels make for great economy:
 - high durability, thanks to impact-resistant plastic frame
 - surface is sealed with a special varnish
 - good concreting results, tight joints, no frame imprints
 - discourages workers from making off-cuts
 - no time-consuming panel changes
 - can be used on both sides
 - non-slip anti-skid surface, thanks to corundum additive in varnish
 - easy to clean using high-pressure cleaner

The forming time breaks down as follows:

The forming time comprises basic time, time for infill zones, extra work and contingency allowances.



- Basic time:**
All main and ancillary times directly contributing to the progress of work with the formwork system itself.
- Time for infill zones:**
All main and ancillary times associated with the infill zones.
- Extra work:**
All main and ancillary times required for recesses, fixtures and stop-ends.
- Contingency allowances:**
Object-related contingency allowances, personal contingency allowances, travel times, waiting times, recreation times.



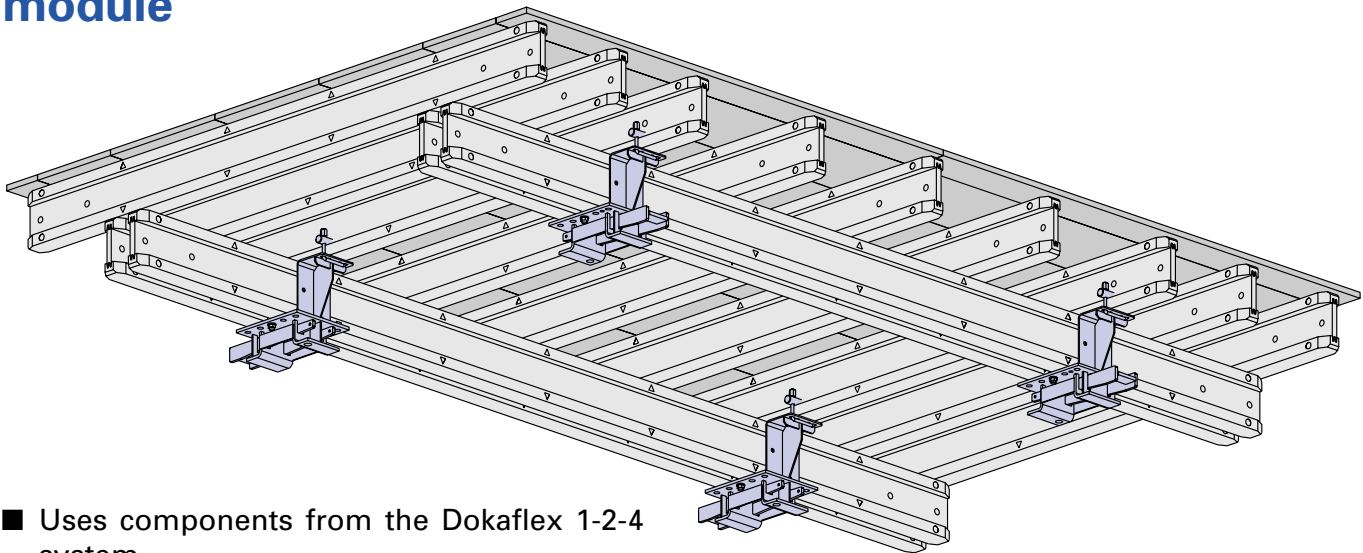
Site:
Hochdahl Arcades at Erkrath, Germany



Site:
Weimar-Nord District Centre

Dokaflex tables for large areas of floor

The Dokaflex table turns Dokaflex 1-2-4 into a large-scale module



- Uses components from the Dokaflex 1-2-4 system
- The standard-format Dokaflex tables can be rented as complete units
 - 2.50 x 4.00 m - 27 mm* and 21 mm
 - 2.50 x 5.00 m - 27 mm* and 21 mm
 - 2.00 x 4.00 m - 27 mm*
 - 2.00 x 5.00 m - 27 mm*
- * See your local Doka branch for range.
- Can start to pay off after as few as 2 uses
- Special sizes also possible where needed
- Ready-assembled special-format Dokaflex tables can be supplied by the Doka Ready-to-Use Service
- Wedge-type connector makes props quick and easy to attach and detach
- Low stacking height when transported and stored
- Safe, fast shifting appliances - save time and money
- Seamless forming in infill zones and on closures
- Perfected individual components make a major contribution to higher speeds
- Commissioning quantities are easy to tailor to the construction schedule - weekly cycles are no problem

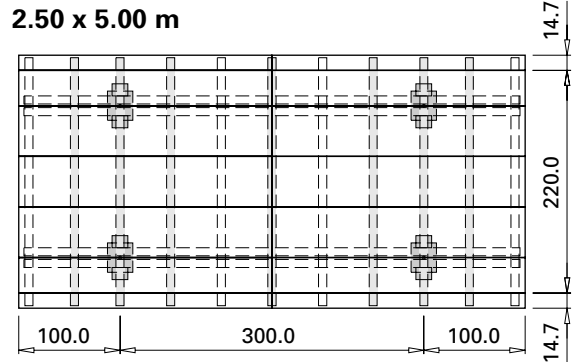
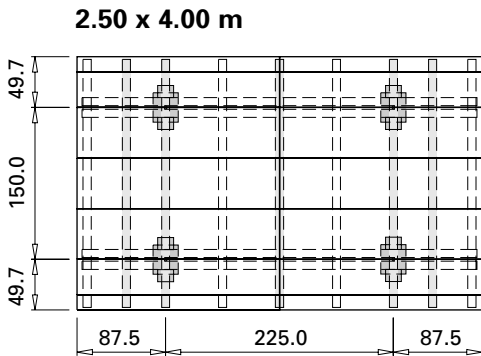
Doka Eurex floor props: The "legs" of the Dokaflex table

- When the floor props are restrained in the table heads, this increases the maximum load-bearing capacities:
 - Doka Eurex 20 floor props: increase from 20 to 30 kN
 - Doka Eurex 30 floor props: increase from 30 to 40 kN
- Same capacity no matter how far extended
- For floor heights of up to 5.90 m
- Quick connection feature to Dokaflex table



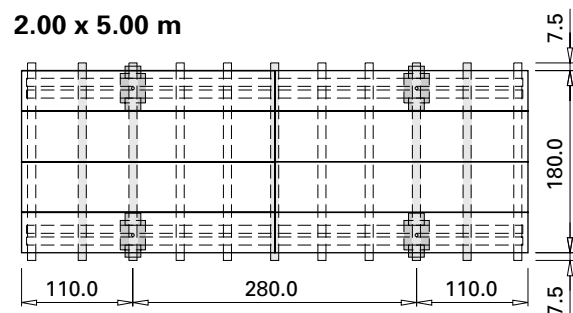
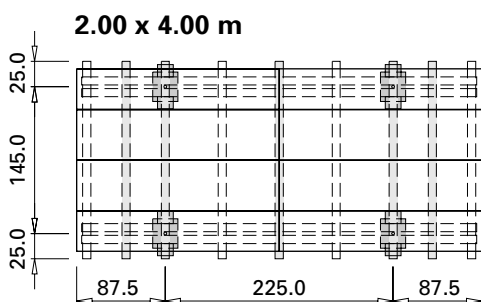
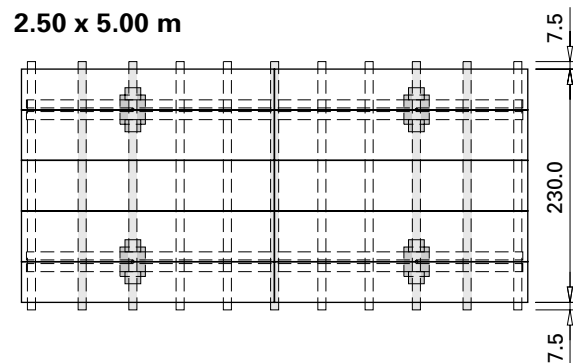
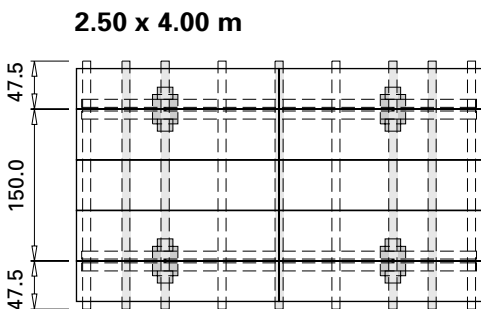
Standard formats of Dokaflex tables


With 21 mm formwork sheet



With 27 mm formwork sheet

(only available in Austria!)

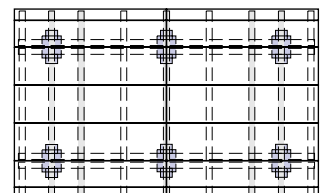


 After the Dokaflex tables have been positioned, the gaps between them, and between the tables and the wall, are filled with **Doka fitting board DF 27 mm**.

Converting from 4 to 6 table heads:

The Dokaflex tables contain secondary beams that are predrilled to accept the Table head 30. This results in the tables being quickly converted for use with 6 floor props.

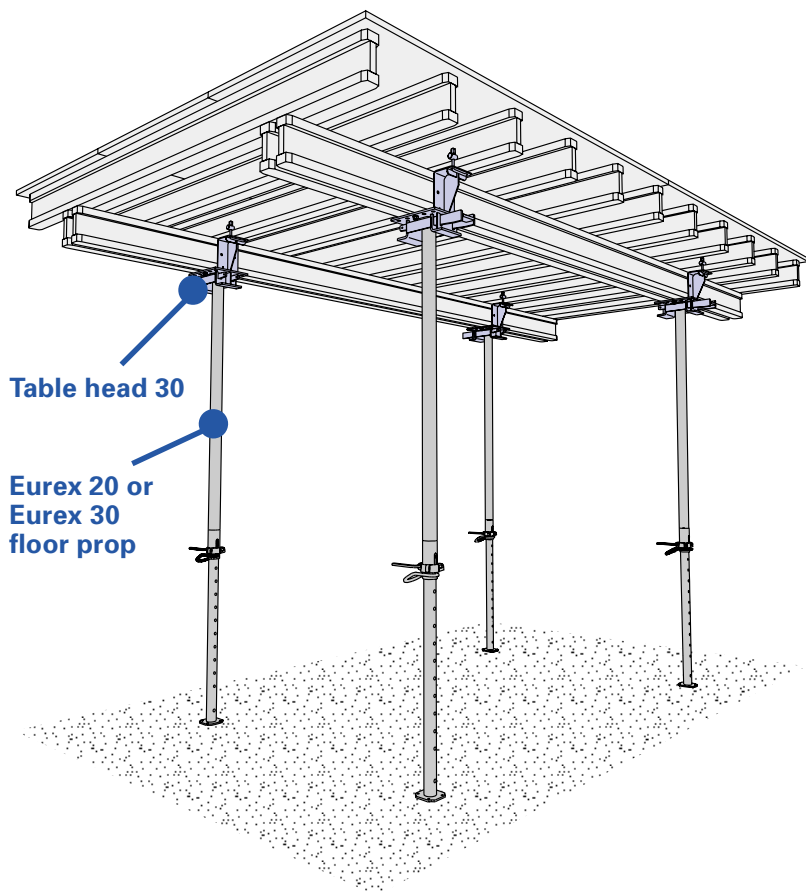
Example:
Dokaflex table 2.50 x 4.00 m
with 6 table heads



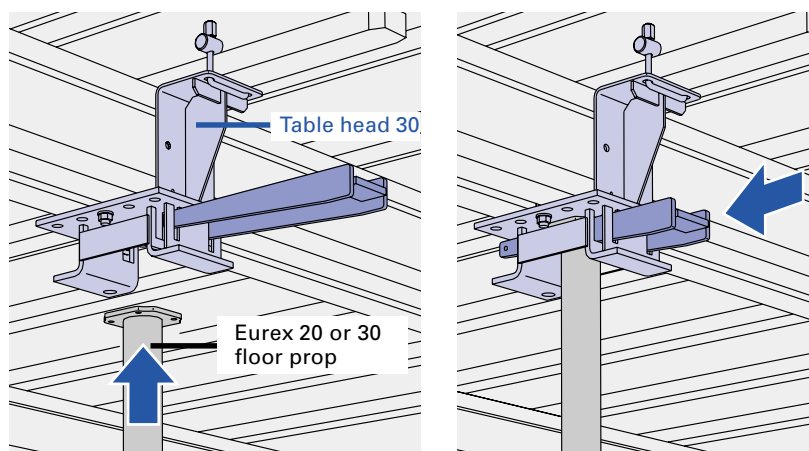
Measurements in cm

Attaching the floor props

The **Table head 30** provides a firm link between the Doka H 20 timber formwork beams and **Doka Eurex floor props**.



Here's how the table head 30 works

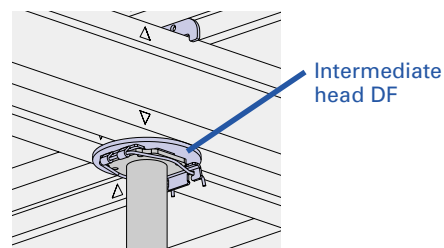


The floor prop is quickly and securely fixed onto the Table head 30 with the aid of the double wedge.

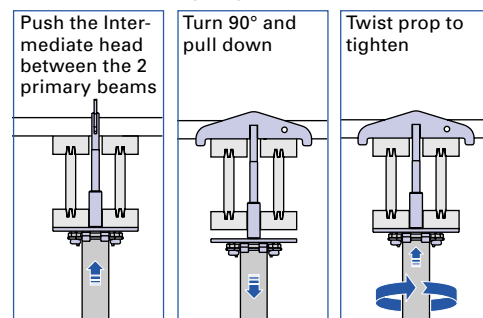
N.B.: Where the Doka floor prop Eurex 20 550 is used, the Table head 30 can only be attached to the inner tube head plate.

Attaching the intermediate props

Intermediate props can be attached to the double primary beams very easily with the aid of the Intermediate head DF. This is necessary whenever greater floor thicknesses are encountered in a few storeys only, and permits rapid adaptation to the temporarily increased floor load.



Working from ground level, the Intermediate head DF is mounted onto the double primary beams together with the floor prop:



Structural design of standard-format tables

Max. floor-slab thicknesses [cm]

Table format	Model of prop	Dokaflex table	Dokaflex table with extra props in mid-span	Dokaflex table with extra props in mid-span and at edges
2.50 x 4.00 m	Eurex 20	40	42 ^{*)}	45
	Eurex 30	50	55 ^{*)}	65
2.50 x 5.00 m	Eurex 20	30 ^{*)}	32 ^{*)}	32
	Eurex 30	35 ^{*)}	42 ^{*)}	48
2.00 x 4.00 m	Eurex 20	45	50 ^{*)}	55
	Eurex 30	60	70 ^{*)}	80
2.00 x 5.00 m	Eurex 20	37 ^{*)}	40 ^{*)}	40
	Eurex 30	46 ^{*)}	52 ^{*)}	60

^{*)} Application note:

On projects with stringent requirements in respect of the quality of the soffits, attention must be paid to the different deflections occurring at the boundaries between the tables and areas formed with Dokaflex 1-2-4.

Safety note:

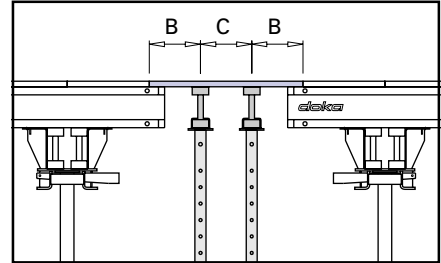
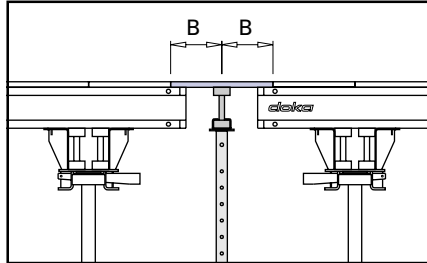
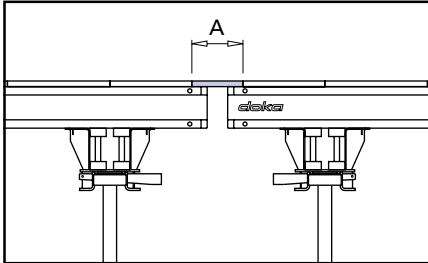
The Intermediate heads DF with the attached intermediate props do not provide any additional stability to the Dokaflex table. The table must already have sufficient stability in any case, by virtue of its design!

When the table is shifted, the intermediate props must be retracted or removed.



Filling closure zones

where form ply can be supported on projecting beams



Form ply 21 mm

Supported on Dokaflex table:

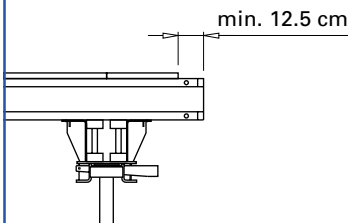


Table format	Prop model	Floor thickness [cm]	
2.50 x 4.00 m	Eurex 20	30	20
	Eurex 30	30	20
2.50 x 5.00 m	Eurex 20	29	20
	Eurex 30	30	20
		35	40
A_{max.} [cm]			
Table format	Prop model	Floor thickness [cm]	
2.50 x 4.00 m	Eurex 20	37	30
	Eurex 30	48	30
2.50 x 5.00 m	Eurex 20	29	29
	Eurex 30	35	30
		25	30
B_{max.} [cm]			
		Floor thickness [cm]	
		50	20
		25	30
C_{max.} [cm]			

Form ply 27 mm

Supported on Dokaflex table:

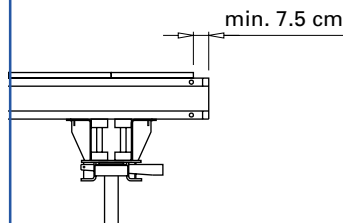
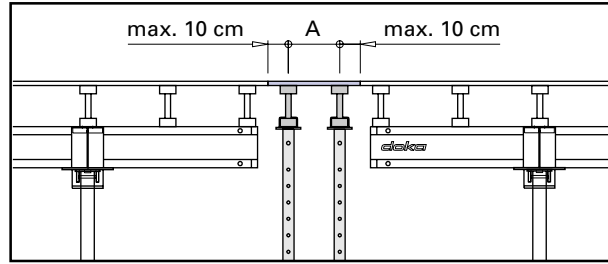
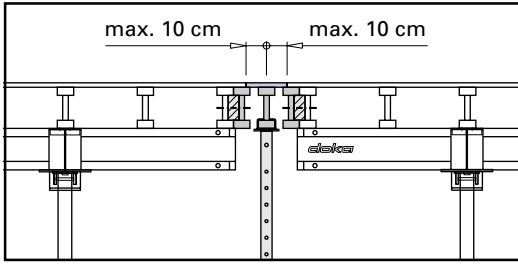


Table format	Prop model	Floor thickness [cm]					
2.50 x 4.00 m	Eurex 20	37	36	35	30	20	
	Eurex 30	48	47	40	30	20	
2.50 x 5.00 m	Eurex 20	29	29	28	27	20	
	Eurex 30	35	35	35	30	20	
2.00 x 4.00 m	Eurex 20	45	45	40	30	20	
	Eurex 30	60	50	40	30	20	
2.00 x 5.00 m	Eurex 20	37	36	35	30	20	
	Eurex 30	46	46	40	30	20	
		25	30	35	40	45	
A_{max.} [cm]							
Table format	Prop model	Floor thickness [cm]					
2.50 x 4.00 m	Eurex 20	37	36	36	35	30	20
	Eurex 30	48	48	47	40	30	20
2.50 x 5.00 m	Eurex 20	29	29	28	27	27	20
	Eurex 30	35	35	35	35	30	20
2.00 x 4.00 m	Eurex 20	45	45	44	40	30	20
	Eurex 30	60	59	50	40	30	20
2.00 x 5.00 m	Eurex 20	37	36	35	34	30	20
	Eurex 30	46	46	46	40	30	20
		20	25	30	35	40	45
B_{max.} [cm]							
		Floor thickness [cm]					
		100	70	30	20		
		30	35	40	45		
C_{max.} [cm]							

where form ply cannot be supported on projecting beams



Form ply 21 mm

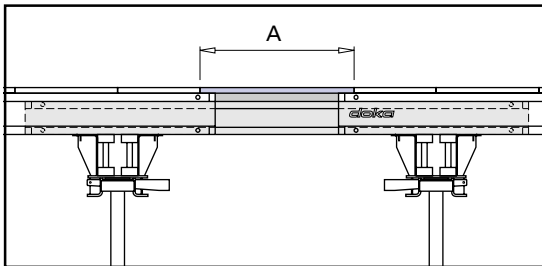
Floor thickness [cm]	
50	20
25	30
$A_{max.}$ [cm]	

Form ply 27 mm

Floor thickness [cm]			
100	70	30	20
30	35	40	45
$A_{max.}$ [cm]			

with an insert of H 16 formwork beam*

(* Only available in Austria!)

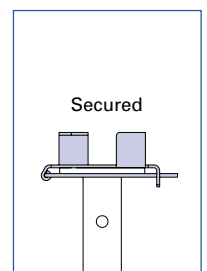
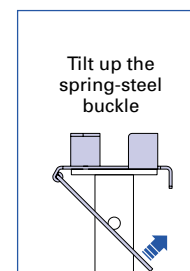
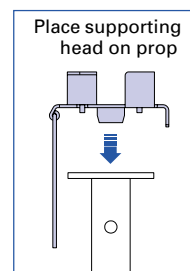
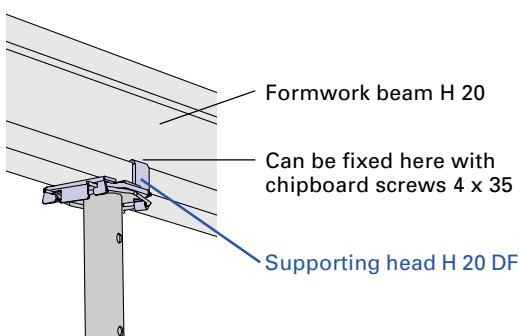


Form ply 27 mm

Table format	Prop model	Floor thickness [cm]									
		36	35	33	32	31	30	29	28	27	26
2.50 x 4.00 m	Eurex 20	36	35	33	32	31	30	29	28	27	26
	Eurex 30	47	45	44	42	41	40	38	37	36	35
2.50 x 5.00 m	Eurex 20	29	27	26	25	24	23	22	21	20	19
	Eurex 30	35	34	33	32	30	29	28	28	27	26
2.00 x 4.00 m	Eurex 20	45	43	41	39	38	36	35	33	32	31
	Eurex 30	59	56	54	51	49	47	45	44	43	42
2.00 x 5.00 m	Eurex 20	36	34	32	31	30	29	27	26	25	24
	Eurex 30	44	42	40	38	37	35	34	33	32	31
		30	40	50	60	70	80	90	100	$A_{max.}$ [cm]	

Shoring the fitting-boards


This additional shoring is very simple to set up, using formwork beams H 20, H 20 DF supporting heads and Eurex floor props.




Fit a supporting head H 20 DF onto the inner tube of each prop and secure with the integral spring-steel buckle.

Dokaflex tables in practice

Tip Practical tips for economical forming using Dokaflex tables

 To protect the surfaces of the formfacing, we recommend using only vibrators with protective rubber caps.

 The easiest and best way to clean the formwork sheets is with a high-pressure water cleaner.

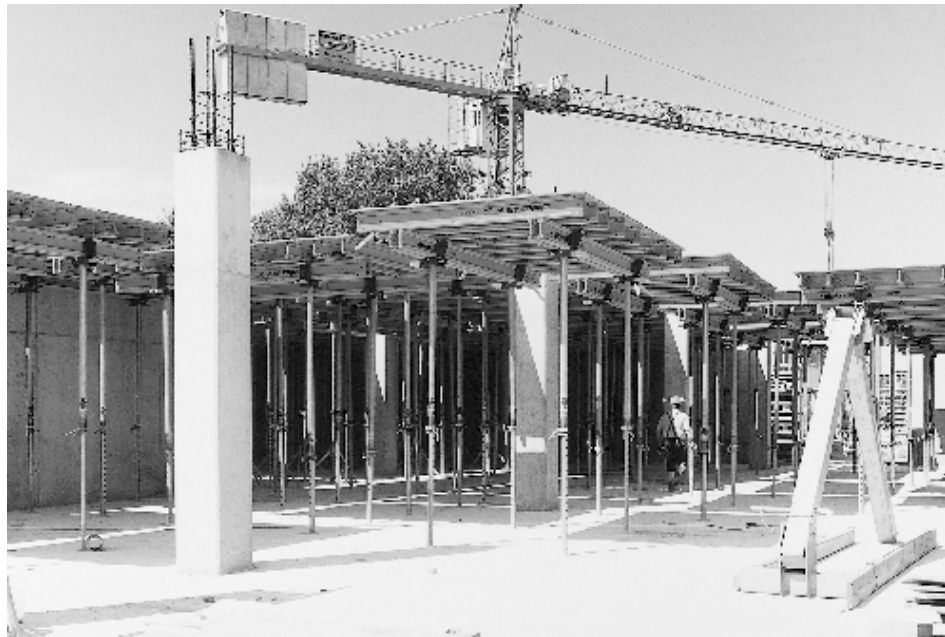
Important instructions:

- Dokaflex tables may only be stood on a firm, horizontal surface to ensure that they can stand unaided.
- Dokaflex tables must be stood stably, and able to withstand wind loads, in every phase of the construction work.



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 (i.e. with all intermediate props).

No persons or objects are allowed to be on the table when it is being shifted or otherwise moved.



Site:
University Clinic, Magdeburg



Site:
Westmünster Center, Bocholt, Germany



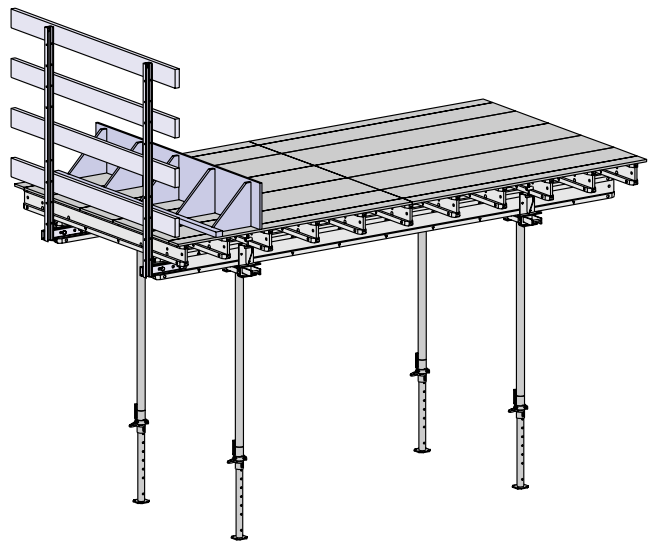
Site:
LVM high-rise, Münster, Germany



Site:
"Chirurgie West" hospital extension, Salzburg

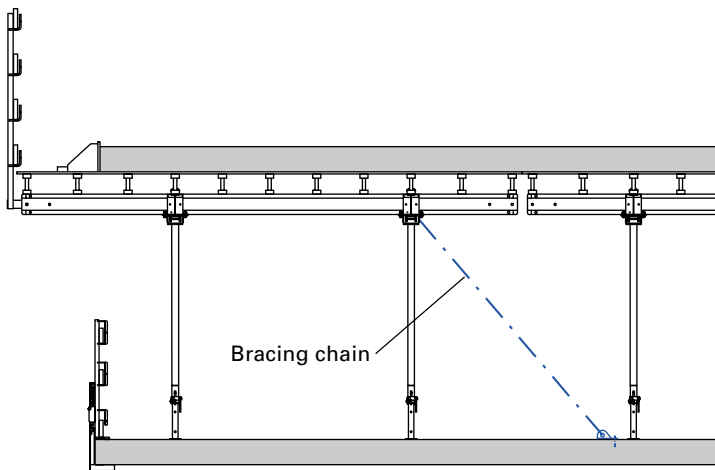
Tables around edges of slab

Dokaflex tables for use around the edges of the slab can be assembled with the floor-beam and slab stop-end formworks, and the handrails, integrated into the table.



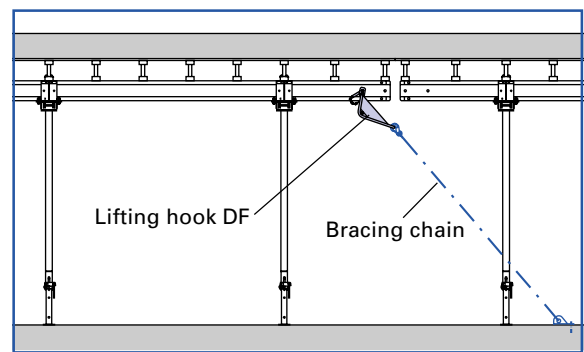
Edge table with slab stop-ends

Guy-bracing directly into the table head

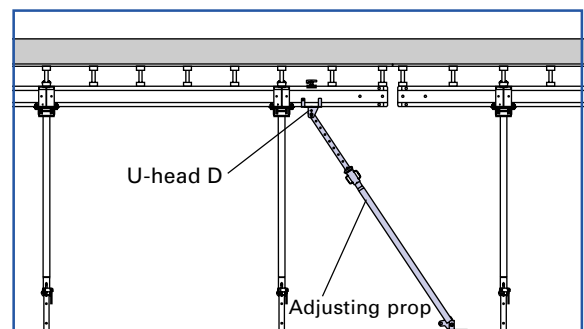


The Doka Table head 30 (date of manufacture 06/96 onwards) already has a $\varnothing 25$ hole in it for fixing the bracing chain.

Guy-bracing with lifting hook DF

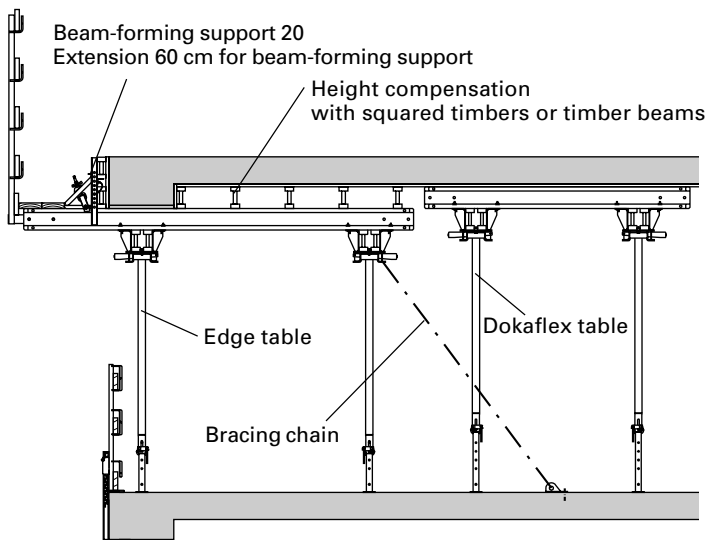


Tensile or compressive bracing with U-head D and Adjusting prop



U-head D	Art.n° 582709
Adjusting prop 340 Extension range 90 - 341 cm	Art.n° 588247
Adjusting prop 540 Extension range 309 - 550 cm	Art.n° 588250

Edge table with floor beam

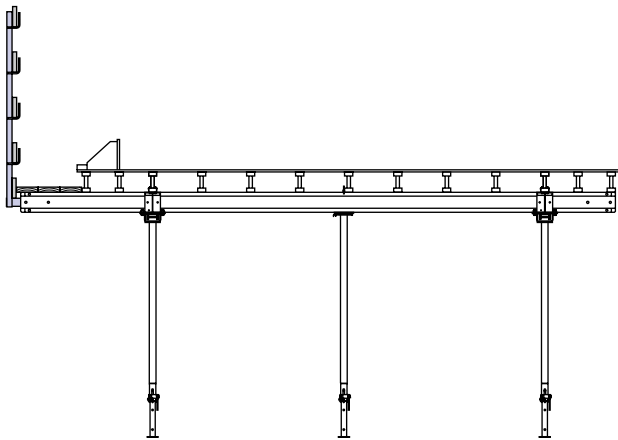


See pp. 10 - 15 for more information on forming floor beams and slab stop-ends.

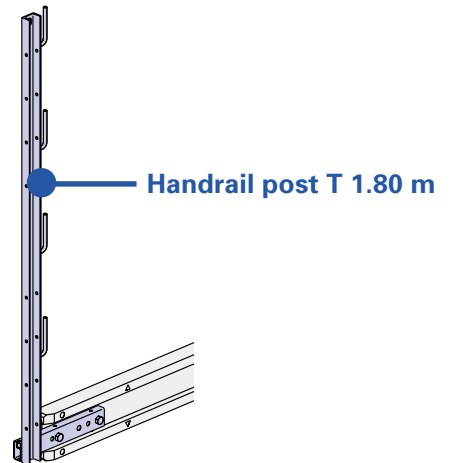
More safety on site

Sideguards with Handrail post T 1.80 m

The **Handrail post T 1.80 m** is the convenient way of making regulation railings. The handrail posts are fastened to the ends of the primary or secondary beams of the Dokaflex table. Insert the planks, and the result is a highly effective safety railing. In certain countries tubular handrails are used.



Railings may also be erected using the Handrail clamp S (see p.10)

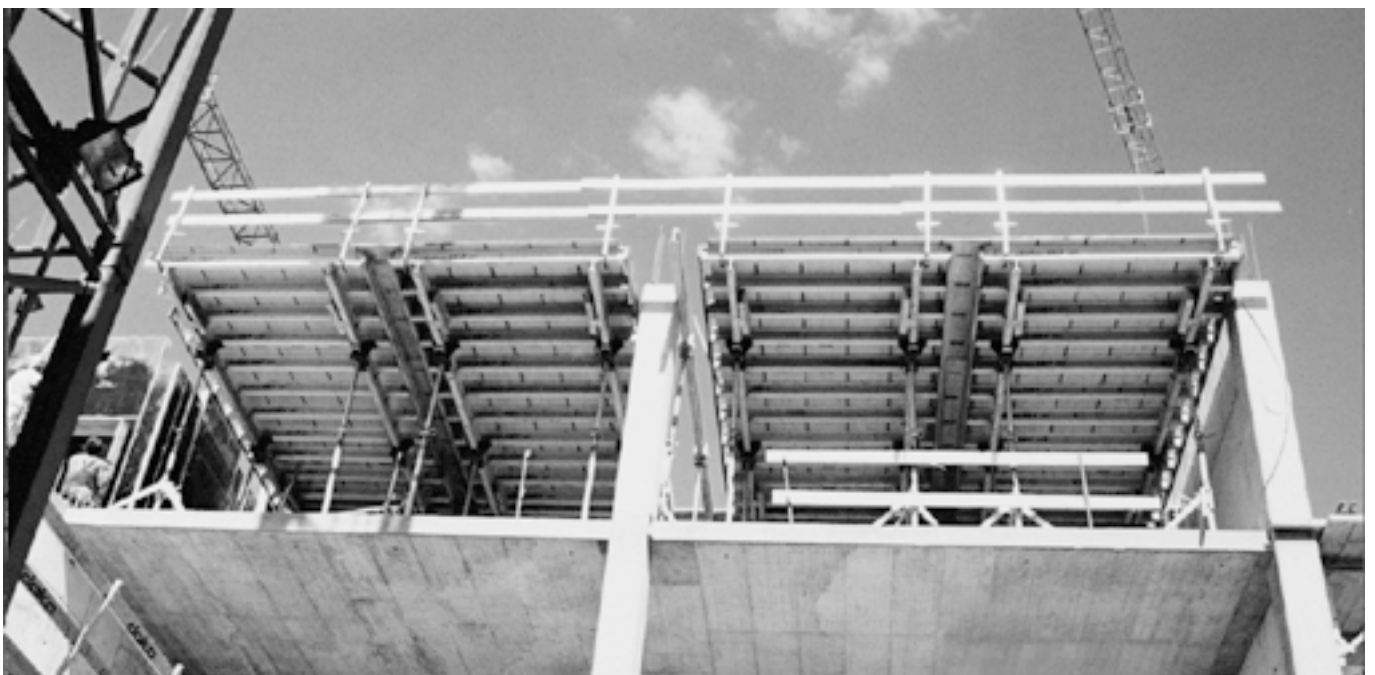


The handrail post is fixed in the holes in the beam using:

- 2 x M20x90 hexagonal bolts
- 2 x M20 hexagonal nuts
- 2 x R22 washers

(these fixing materials are not included in the scope of supply)

N.B.:
Please observe all applicable safety regulations.



Site:
DEVK, Dresden

Assembling Dokaflex tables

The Dokaflex tables should be assembled with care to deliver clean concrete surfaces with the speed and efficiency expected.

Assembly bench with end-stops

- Flat assembly bench (wooden drawing floor).
- Fasten the end-stops for the table-heads, primary and secondary beams.

Mount the table-heads, primary and secondary beams

- Insert the table-heads into the prepared end-stops.
- Place the primary beams into the table-heads and push them up against the end-stops.
- Lay the secondary beams centrally, directly over the table heads, and push them up against the end-stops
- Bolt together the table head and the secondary beam (see Page 31)

Mount the remaining secondary beams

- Place the remaining secondary beams (use template if necessary) and screw them to the primary beams (diagonally, on both sides of flange):
 - using frame-screws 6 x 80

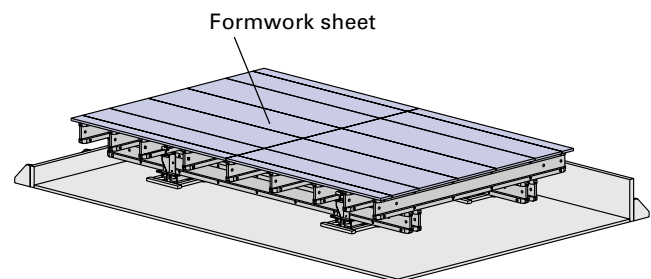
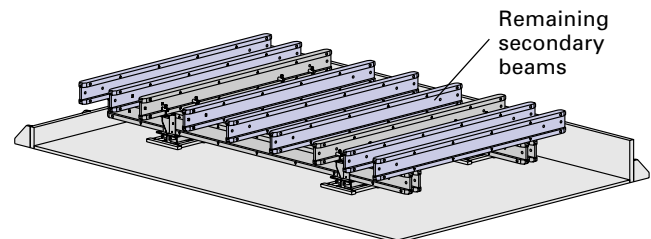
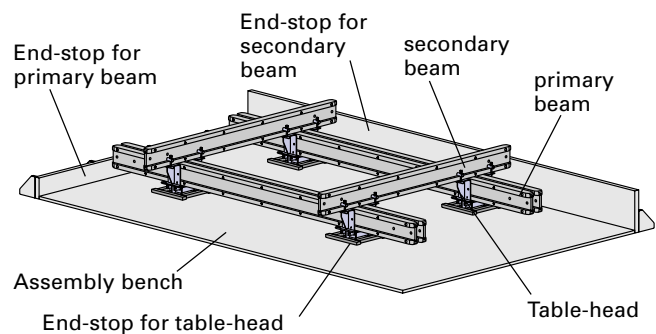
Mount the formwork sheets

- Decide how the formwork sheets are to be arranged. If necessary, mark the position of the first row of panels with a stringline.
- Place the formwork sheets and pull them tightly together with the Strip-steel tensioner 5.00 m.
- Nail the sheets to the secondary beams:
 - using grooved nails 3.1 x 60

The lifting hook DF, or straps, are ideal for lifting the pre-assembled units away from the assembly area.

Doka Ready-to-Use Service

Here, the Dokaflex tables are custom-assembled in any desired design variant, quickly and inexpensively, and delivered to your site ready to use. This saves time and reduces the planning and assembly workload.



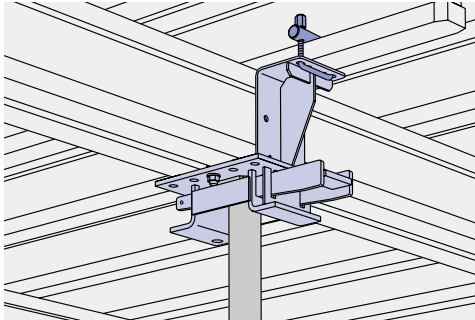
Tools and other items needed for assembling Dokaflex tables

- Centre bit DF 30
for drilling 30 mm diam. holes in the web where the Connection unit DF 20/30 is used for attaching the table-heads
- Wood drill-bit, diam. 10 mm
for drilling holes in the boom for the Beam-screws S8/60
- Drilling template DF (Art.n° 53 9993 010)
Template for drilling the holes on the flange for fixing table heads using Beam-screws S8/60
- Strip-steel tensioner 5.00 m
for pulling the form-ply tightly together
- Sleeve nut 19
for tightening nuts on the Connection unit DF20/30
- Socket nut 13
for tightening the bolts on the Beam-screws S8/60
- Reversible ratchet 1/2"

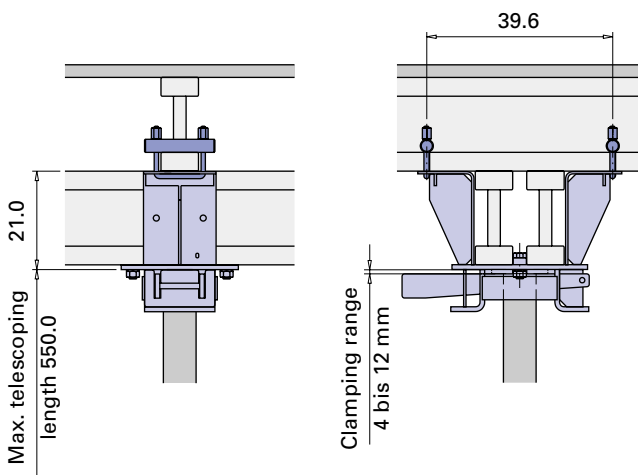
Attaching the table head 30

with connection unit DF

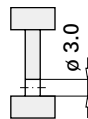
for very high numbers of repeat uses, and long service life.



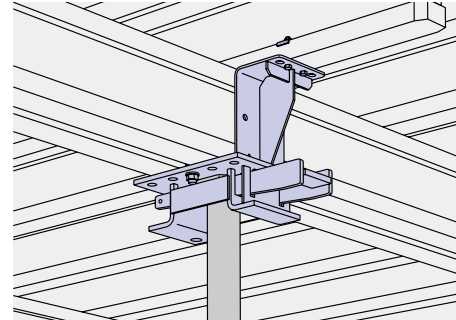
2 Connection units DF 20/30 are required for each Table head 30.



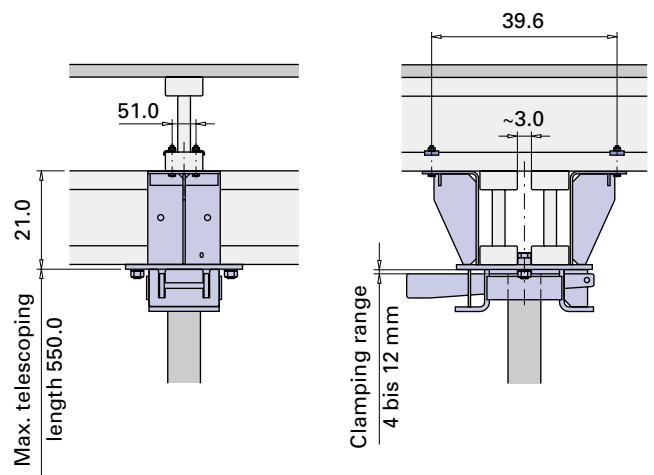
The holes in the web are drilled with the Centre-bit DF 30



with Beam-screws S8/60



4 Beam-screws S8/60 are needed for each Table head 30.

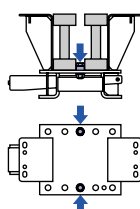


The Drilling template DF is available on request, for speeding up the job of drilling the holes in the beams.

Converting the Table head 30 for a single primary beam H 20

Although designed as standard for double primary beams, the Table head 30 can easily be converted for use with a single primary beam by using different drilled holes for the two M16 x 45 hexagon bolts.

Bolt position for double primary beam



Bolt position for single primary beam

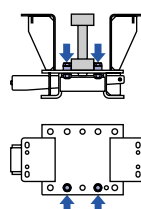
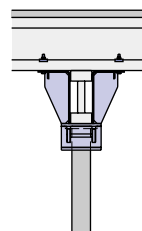


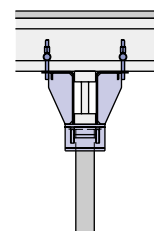
Table head 20 for a single primary beam H 20

Where Dokaflex tables are assembled with single primary beams, it is also possible to use the Table head 20 instead of the Table head 30.

With Beam-screw S8/60



With Connection unit DF 20/30



Measurements in cm

Structural design of special-format tables

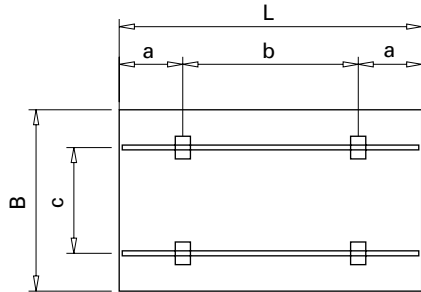
Observe the instruction "Striking formwork from beneath wide-span floors" on Page 48!

Measurements in cm

Single beam with Table head 30

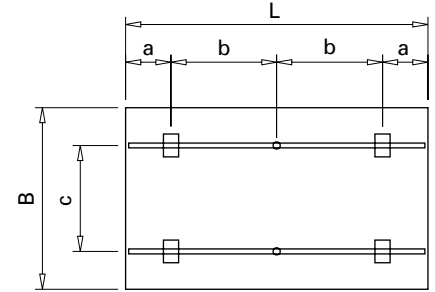
- Eurex 20

Primary beam with 2 props



Floor thickness	L	B					
		a	b	a	a	a	a
300.0	150.0	62.5	75.0	87.5	100.0	100.0	---
350.0	175.0	75.0	100.0	125.0	150.0	150.0	---
400.0	200.0	87.5	125.0	175.0	200.0	200.0	---
450.0	225.0	100.0	150.0	225.0	250.0	250.0	---
500.0	250.0	100.0	150.0	225.0	250.0	300.0	---
600.0	---	---	---	---	---	---	---

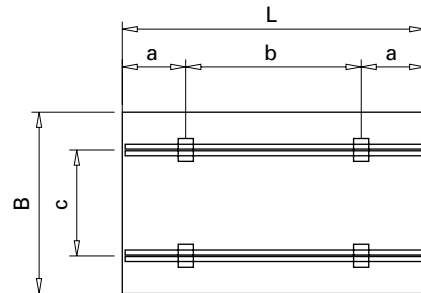
Primary beam with 3 props



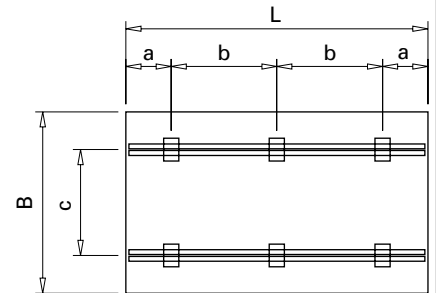
Floor thickness	L	B					
		a	b	b	a	a	a
300.0	150.0	50.0	50.0	60.0	75.0	75.0	90.0
350.0	175.0	60.0	75.0	90.0	100.0	100.0	125.0
400.0	200.0	75.0	100.0	125.0	150.0	150.0	175.0
450.0	225.0	87.5	125.0	175.0	200.0	200.0	225.0
500.0	250.0	100.0	150.0	225.0	250.0	300.0	---
600.0	---	---	---	---	---	---	---

Double beam with Table head 30

- Eurex 30



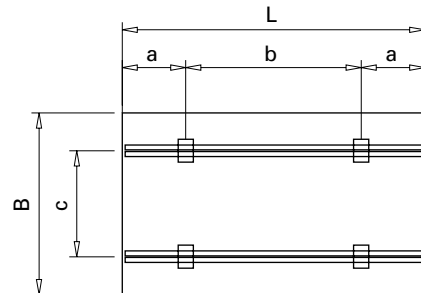
Floor thickness	L	B					
		a	b	a	a	a	a
300.0	150.0	62.5	75.0	87.5	100.0	100.0	---
350.0	175.0	75.0	100.0	125.0	150.0	150.0	---
400.0	200.0	87.5	125.0	175.0	200.0	200.0	---
450.0	225.0	100.0	150.0	225.0	250.0	250.0	---
500.0	250.0	100.0	150.0	225.0	250.0	300.0	---
600.0	---	---	---	---	---	---	---



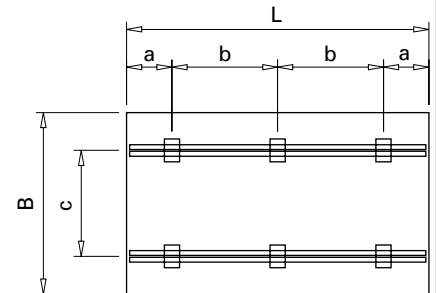
Floor thickness	L	B					
		a	b	b	a	a	a
300.0	150.0	50.0	50.0	60.0	75.0	75.0	90.0
350.0	175.0	60.0	75.0	90.0	100.0	100.0	125.0
400.0	200.0	75.0	100.0	125.0	150.0	150.0	175.0
450.0	225.0	87.5	125.0	175.0	200.0	200.0	225.0
500.0	250.0	100.0	150.0	225.0	250.0	300.0	---
600.0	---	---	---	---	---	---	---

Double beam with Table head 30

- Eurex 20 with head on every prop
- Intermediate props: Eurex 30 with Intermediate head DF

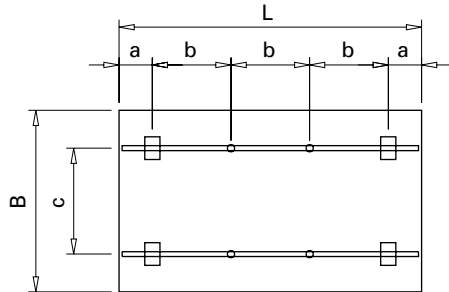


Floor thickness	L	B					
		a	b	a	a	a	a
300.0	150.0	62.5	75.0	87.5	100.0	100.0	---
350.0	175.0	75.0	100.0	125.0	150.0	150.0	---
400.0	200.0	87.5	125.0	175.0	200.0	200.0	---
450.0	225.0	100.0	150.0	225.0	250.0	250.0	---
500.0	250.0	100.0	150.0	225.0	250.0	300.0	---
600.0	---	---	---	---	---	---	---



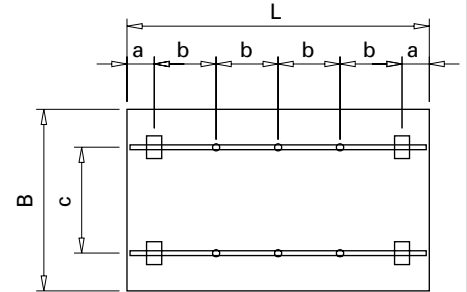
Floor thickness	L	B					
		a	b	b	a	a	a
300.0	150.0	50.0	50.0	60.0	75.0	75.0	90.0
350.0	175.0	60.0	75.0	90.0	100.0	100.0	125.0
400.0	200.0	75.0	100.0	125.0	150.0	150.0	175.0
450.0	225.0	87.5	125.0	175.0	200.0	200.0	225.0
500.0	250.0	100.0	150.0	225.0	250.0	300.0	---
600.0	---	---	---	---	---	---	---

Primary beam with 4 props

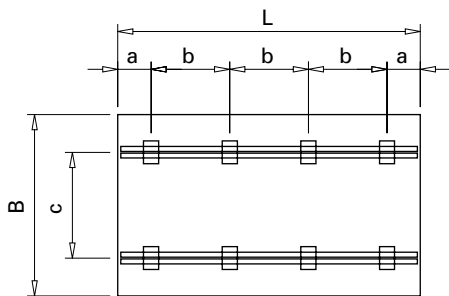


Floor thickness	L	a	b	300.0	350.0	400.0	450.0	500.0	600.0
				B	c	---	---	50.0	52.5
250.0	150.0	---	---	---	---	50.0	45.0	40.0	30.0
275.0	160.0	---	---	---	---	45.0	40.0	35.0	28.0
300.0	175.0	---	---	---	---	40.0	35.0	30.0	24.0
350.0	210.0	---	---	---	---	35.0	30.0	28.0	20.0
400.0	240.0	---	---	---	---	30.0	28.0	22.0	16.0

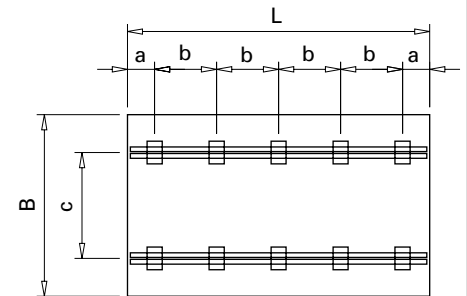
Primary beam with 5 props



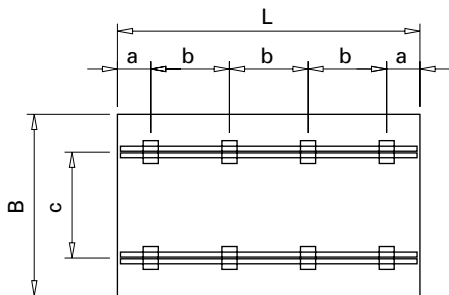
Floor thickness	L	a	b	300.0	350.0	400.0	450.0	500.0	600.0
				B	c	---	---	---	---
250.0	150.0	---	---	---	---	---	---	50.0	40.0
275.0	150.0	---	---	---	---	---	---	45.0	35.0
300.0	175.0	---	---	---	---	---	---	40.0	35.0
350.0	210.0	---	---	---	---	---	---	35.0	28.0
400.0	240.0	---	---	---	---	---	---	30.0	24.0



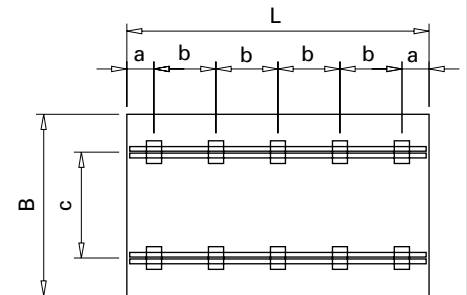
Floor thickness	L	a	b	300.0	350.0	400.0	450.0	500.0	600.0
				B	c	---	---	50.0	52.5
250.0	150.0	---	---	---	---	95.0	90.0	80.0	60.0
275.0	150.0	---	---	---	---	90.0	80.0	70.0	55.0
300.0	175.0	---	---	---	---	80.0	75.0	65.0	50.0
350.0	210.0	---	---	---	---	65.0	65.0	55.0	45.0
400.0	240.0	---	---	---	---	60.0	55.0	50.0	40.0



Floor thickness	L	a	b	300.0	350.0	400.0	450.0	500.0	600.0
				B	c	---	---	---	---
250.0	150.0	---	---	---	---	---	---	95.0	80.0
275.0	100.0	---	---	---	---	---	---	90.0	75.0
300.0	175.0	---	---	---	---	---	---	80.0	65.0
350.0	210.0	---	---	---	---	---	---	65.0	55.0
400.0	240.0	---	---	---	---	---	---	60.0	50.0



Floor thickness	L	a	b	300.0	350.0	400.0	450.0	500.0	600.0
				B	c	---	---	50.0	52.5
250.0	150.0	---	---	---	---	70.0	65.0	60.0	45.0
275.0	150.0	---	---	---	---	65.0	60.0	55.0	40.0
300.0	175.0	---	---	---	---	60.0	55.0	50.0	40.0
350.0	210.0	---	---	---	---	50.0	45.0	40.0	35.0
400.0	240.0	---	---	---	---	45.0	40.0	35.0	28.0



Floor thickness	L	a	b	300.0	350.0	400.0	450.0	500.0	600.0
				B	c	---	---	---	---
250.0	150.0	---	---	---	---	---	---	70.0	60.0
275.0	100.0	---	---	---	---	---	---	65.0	55.0
300.0	175.0	---	---	---	---	---	---	60.0	50.0
350.0	210.0	---	---	---	---	---	---	50.0	40.0
400.0	240.0	---	---	---	---	---	---	45.0	35.0

Lifting Dokaflex tables

with Lifting hook DF

The **Lifting hook DF** is an easy-to-reposition crane hoisting attachment for:

- **Lifting** the table superstructure **away from the assembly area**
- **Loading and unloading lorries**
- **Stacking**
- **Moving tables to next location of use**

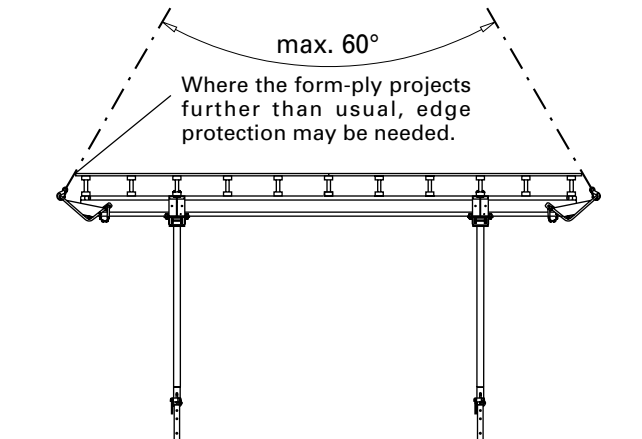
Also suitable for tableforms of the Staxo, Aluxo and d2 systems.

Max. capacity per Lifting hook DF: 300 kg (3 kN)

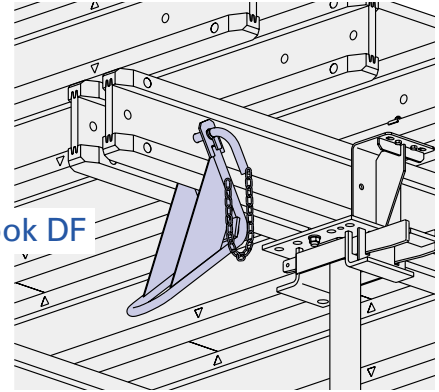


Before starting to use, it is **ESSENTIAL** to read the instructions in the manual supplied with the equipment!

Finished Dokaflex tables



Always bolt the **Lifting hook DF** into the **inner of the two holes drilled in the end of the beam**.



Lifting hook DF



It is also possible to use the Lifting hook DF on secondary beams, provided that these secondary beams are permanently bolted to the primary beam.

Table superstructures



with Lifting strap DF 13.0 m

The Lifting strap DF facilitates the lifting and setting down of table tops and completely assembled Dokaflex tables. The 13 m long strap is designed to be fixed and detached when working from ground level.

Great care must be taken to avoid damaging the form-ply on the table.

Lifting strap DF 13.00 m*

Art. n° 710586156

Max. capacity: 2000 kg (20 kN)

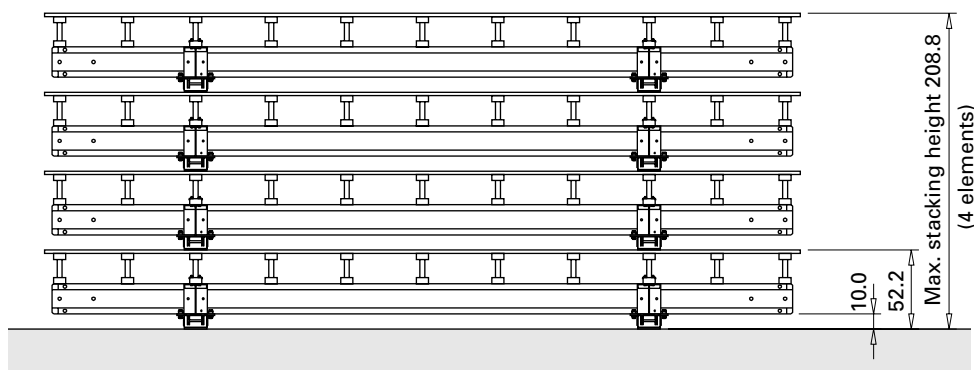
* Only available in Austria!

Please note:

If the tables are to be placed adjacent to one another by crane, the form-ply at either end of the table must be shorter (necessitating subsequent insertion of fitting strips), otherwise the tables are positioned only approximately by crane and must then be fine-positioned using the shifting trolley DF.

Transporting, stacking and storing

Stacks / how delivered



The Lifting hook DF or Lifting strap DF make it quick and easy to stack pre-assembled table tops. The low height of each of these elements makes for economical transport and storage.

Tip

Preventing damage to the form ply:

- Insert strips of formwork sheet between the Table heads and the form ply and
- Use a Spring cotter 6 mm to fix the clamping wedge in the pushed-in position

Transport and storage



Observe the following safety instructions when transporting and storing pre-assembled tables:

- Dokaflex table elements must be on-loaded and off-loaded, transported and stacked in such a way that it is not possible for them to fall off, tip over or slide apart.
- The table elements may only be set down and stacked on flat, firm surfaces.
- Spreading angle of hoisting gear: max. 60°
- When setting down a table element, do not detach it from the hoisting gear until it is safely placed down on the stack.
- Never climb onto the stack of table elements.
- The table elements must be strapped when being transported by lorry.

Measurements in cm

Horizontal shifting and plumbing of Dokaflex tables

Shifting trolley DF and stacking frame DF

The shifting trolley DF speeds up work on any site. The tables are lowered hydraulically, quickly and safely, and then moved.

Height ranges (with distribution beams)

■ Shifting trolley DF:

$H_{\min} = 174.0 \text{ cm}$ $H_{\max} = 323.0 \text{ cm}$

■ Shifting trolley DF + 1 stacking frame DF:

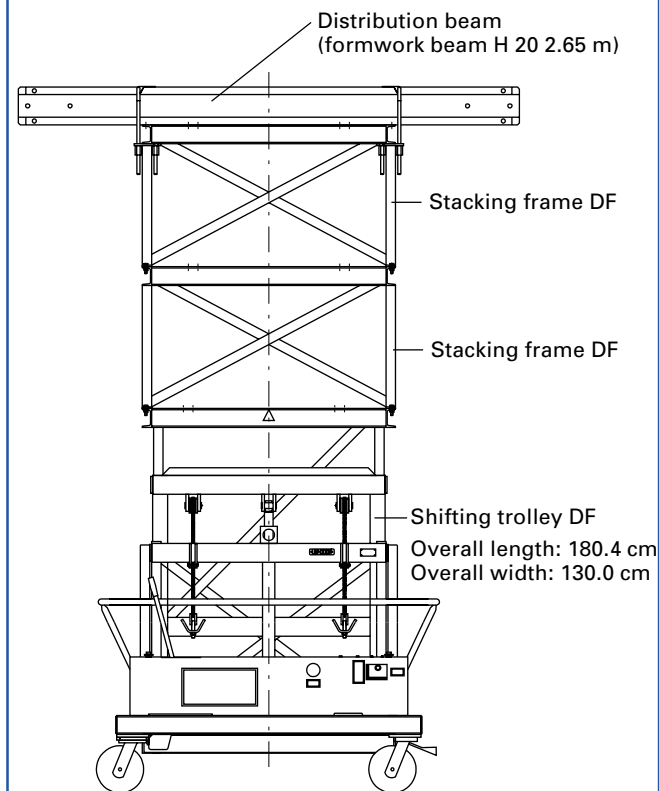
$H_{\min} = 249.0 \text{ cm}$ $H_{\max} = 398.0 \text{ cm}$

■ Shifting trolley DF + 2 stacking frames DF:

$H_{\min} = 324.0 \text{ cm}$ $H_{\max} = 473.0 \text{ cm}$

■ Shifting trolley DF + 3 stacking frames DF:

$H_{\min} = 399.0 \text{ cm}$ $H_{\max} = 548.0 \text{ cm}$



Max. carrying capacity per shifting trolley DF, assuming eccentric load application of up to 30 cm:
1200 kg (12 kN)

- with 1 stacking frame: 1100 kg (11 kN)
- with 2 stacking frames: 1000 kg (10 kN)
- with 3 stacking frames: 900 kg (9 kN)

N.B. when working with asymmetrical tables:

"Central positioning" means central in terms of the centre of gravity.

Attachable drive unit DF

To streamline the shifting of Dokaflex tables still further

Every Doka shifting trolley DF can be retrofitted with the attachable drive unit DF.

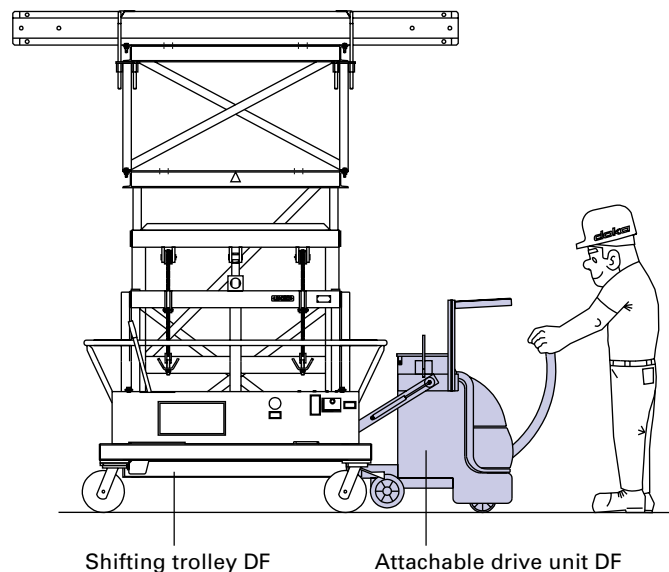
This is a battery-powered, clamp-on drive unit that enables the tables to be moved effortlessly.

As well as the travel drive, the unit also incorporates the hydraulic system for the lifting device, and all the controls.

The battery is designed to allow 1 whole day's operation before being recharged overnight.

Advantages:

- Saves labour - and thus cuts costs
- One man, working on his own, can strike the formwork and horizontally relocate it, effortlessly - regardless of the distance that needs to be travelled.



Stacking frame ST 1.50 m for fork-lift

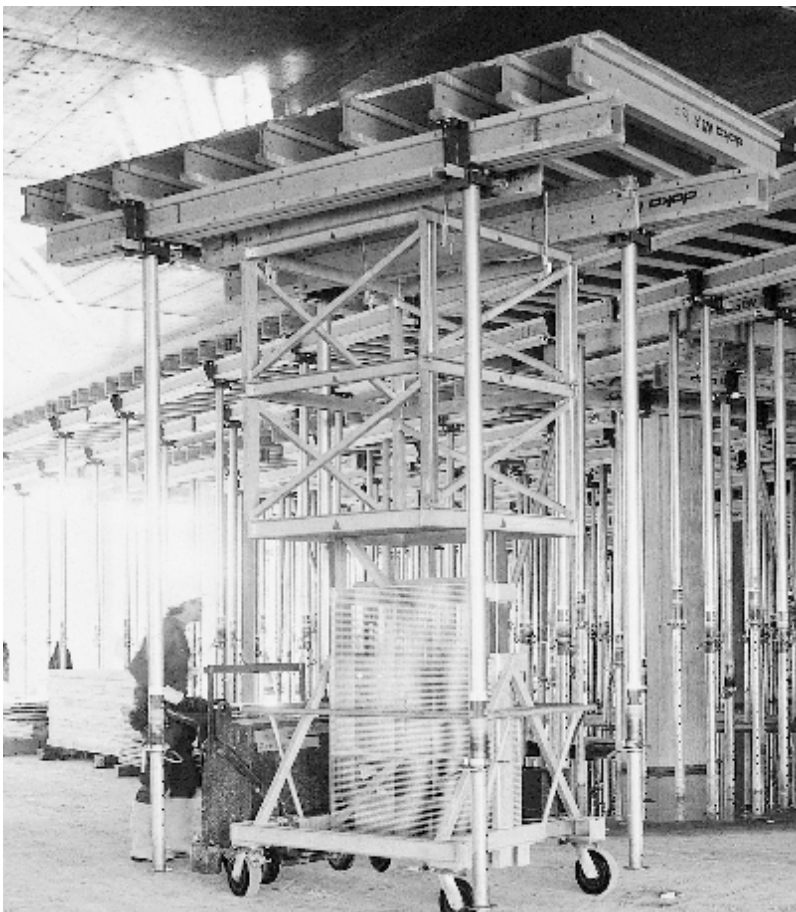
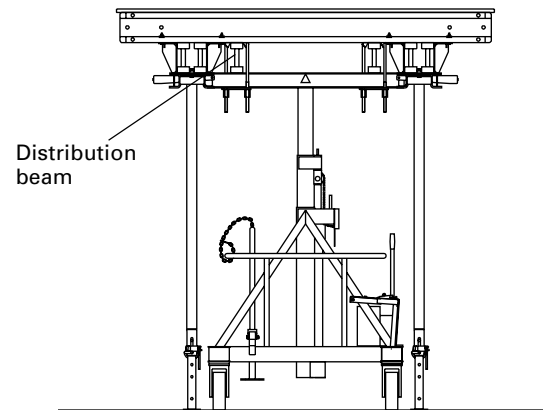
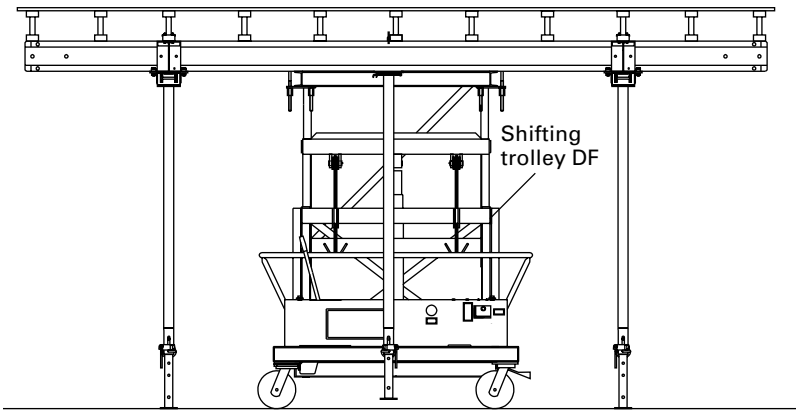
If **stacker lift-trucks** are used for shifting the Dokaflex tables, the Stacking frame ST 1.50 m acts as the link between the stacker truck and the Dokaflex table.

The Stacking frame ST 1.50 m can also be used with the **Shifting trolley DF**.



It is **ESSENTIAL** to read the instructions in the manual supplied with the unit before starting it up!

Shifting and plumbing with the shifting trolley DF



Site:
Potsdamer Platz, Berlin

With or without stacking frames DF, the shifting trolley DF is pushed under the table either from the short or long side, depending upon the dimensions of the table and the situation encountered on the site.

There are 2 possible ways in which the unit can be positioned - either with or without distribution beams:

With distribution beams:

If the centres of the primary beams is greater than the width of the carrying frame (130.0 cm), the entire weight of the table would only be transmitted to the carrying frame via the secondary beams. To prevent this, distribution beams (H 20, L = 2.65 m) must be used.

Without distribution beams:

If the centres of the primary beams of a table is such that these beams rest on the carrying frame when the table is lifted, then no distribution beams are needed.

Safe shifting using "C" hook

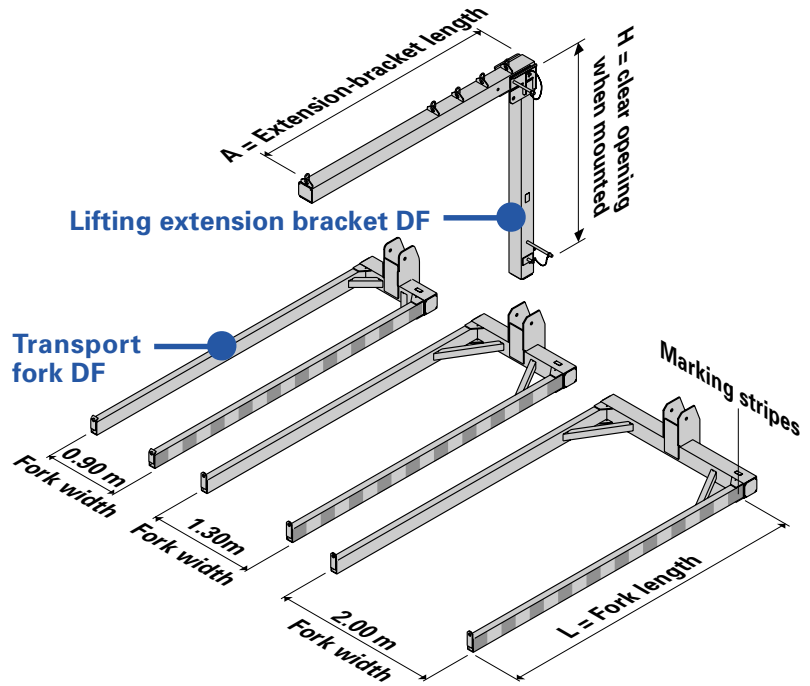
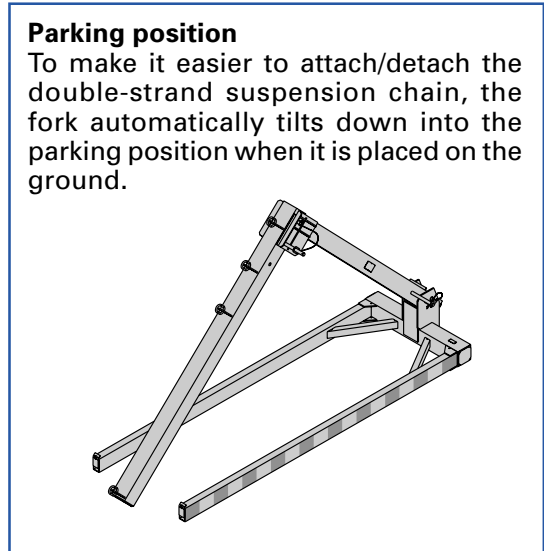
Lifting extension bracket DF and Transport fork DF

"C" hooks have proved ideal for shifting Dokaflex tables on construction sites.

Basic structure of a "C" hook:

"C" hooks are made up of:

- Lifting extension bracket DF and
- Transport fork DF with various fork widths



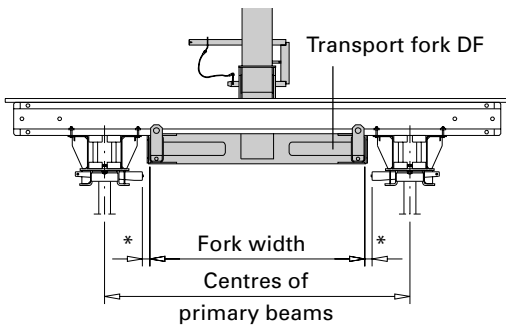
Before starting to use, it is ESSENTIAL to read the instructions in the manual supplied with the equipment!

Overview of variants

	Max. capacity (table weight)	1t	1.5t
	Max. table size length [m] x width [m]	5.0 x 4.0	8.0 x 5.0
Lifting extension bracket DF	Designation	Lifting extension bracket DF 1t	Lifting extension bracket DF 1.5t
	Measurement "A" [cm]	336.2	456.2
	Measurement "H" [cm]	280.0	350.0
Transport fork DF	Designation	Transport fork DF 1t/0.90 m	Transport fork DF 1.5t/0.90 m
	Designation	Transport fork DF 1t/1.30 m	Transport fork DF 1.5t/1.30 m
	Designation	Transport fork DF 1t/2.00 m	Transport fork DF 1.5t/2.00 m
	Measurement "L" [cm]	380.0	600.0

Selection criteria for fork width

Table heads with wedges facing outwards

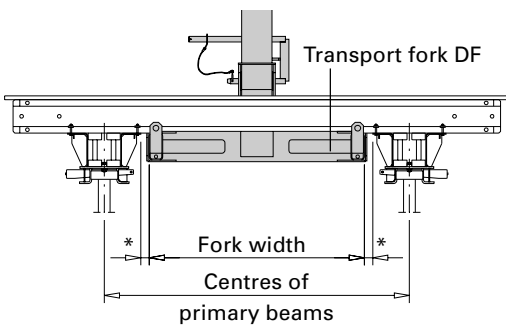


* The table allows for 5 cm of play on either side.

Centres of primary beams	Type of fork
1.52 - 1.90 m	0.90 m
1.90 - 2.62 m	1.30 m
> 2.62 m	2.00 m

If the primary beams are at less than 1.22 m centres, the prongs of the 2.00 m fork can be inserted on the outside of the primary beams (as shown in Fig. A).

table heads with wedges facing inwards



* The table allows for 5 cm of play on either side.

Centres of primary beams	Type of fork
1.44 - 1.82 m	0.90 m
1.82 - 2.54 m	1.30 m
> 2.54 m	2.00 m

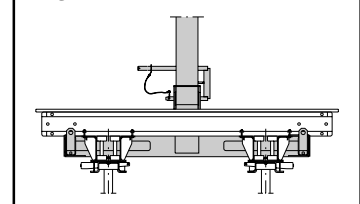
If the primary beams are at less than 1.30 m centres, the prongs of the 2.00 m fork can be inserted on the outside of the primary beams (as shown in Fig. A).

Tip

The **Transport fork DF 1t/0.90 m** is particularly suitable for shifting **standard-format Dokaflex tables**.

If this transport fork is used perpendicular to the direction of the primary beams, observe the note "Important for table-overhangs" on Page 40.

Figure A



The 2.0 m wide transport fork is also useful when longer tables on a site are only shifted on their broadsides (greater table stability).

Safe shifting using "C" hooks

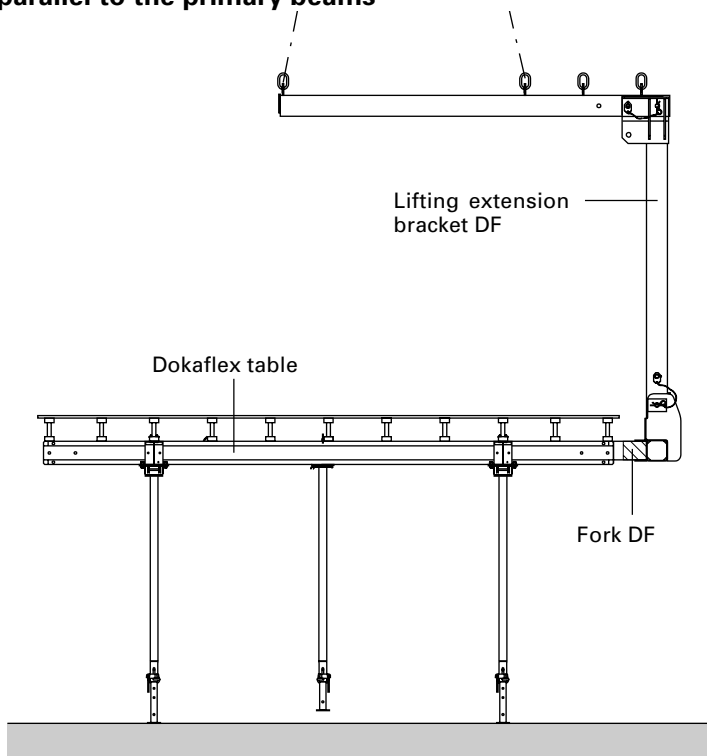
Function of the marking stripes

The table must be as near horizontal as possible when it is shifted.

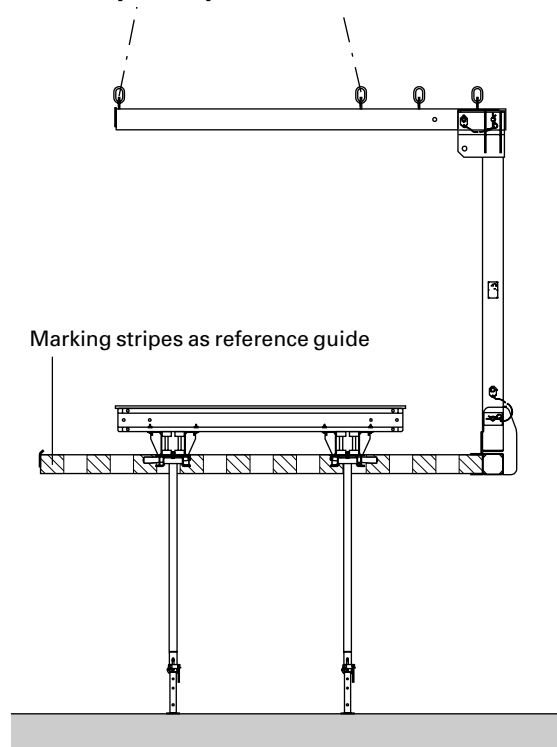
Once the ideal position is determined on the fork for a certain table, it is easy to repeat this position on subsequent tables of the same type with reference to the marking stripes on the fork.

The stripes are also a highly visible safety warning to site personnel when the fork is "in the air".

Example of fork positioning parallel to the primary beams



Example of fork positioning perpendicular to the primary beams



Important for table-overhangs:

Central load application:

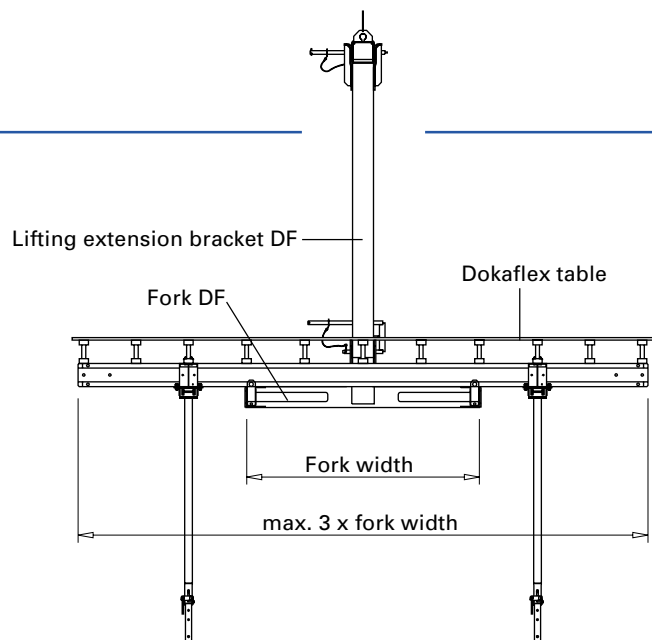
- No special fastening needed for Dokaflex table

For wider tables:

- Additional fastening is needed for Dokaflex table, e.g. with tightening straps or tensioning chains etc.

or

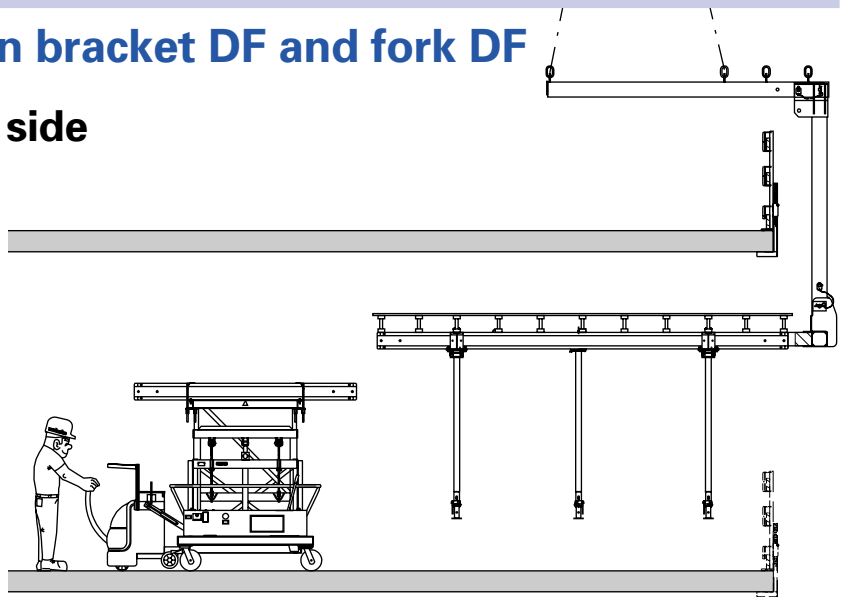
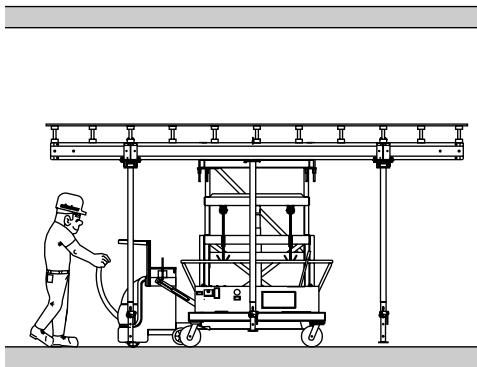
- Mounting a wider support surface to the fork. Please consult your Doka technician before attempting this.



Vertical shifting

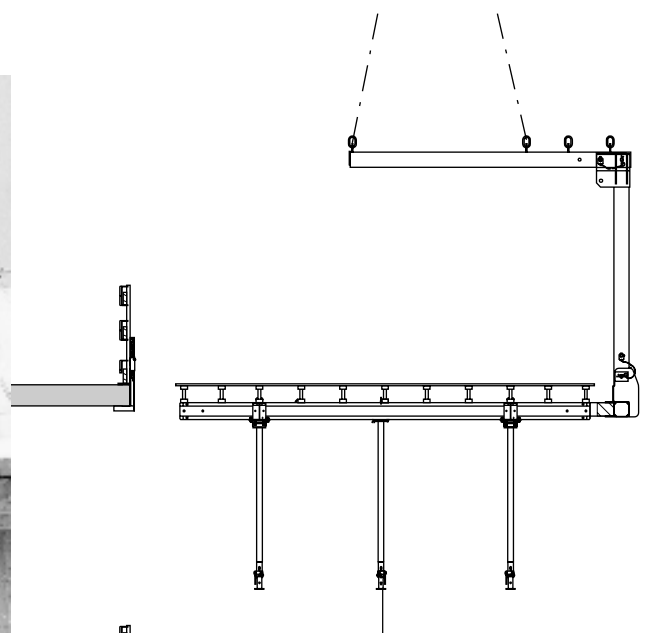
With the lifting extension bracket DF and fork DF

On structures open to the side



- Position the Shifting trolley DF beneath the middle of the table
- Lower the table
- Wheel the table to the pick-up location
- Put the table down
- Wheel out the Shifting trolley DF (next table can now be made ready for shifting)
- Pick up the table with the "C" hook

Site:
Kufstein District Hospital, Austria



- ⚠ Before lifting, remove any intermediate props that are not permanently attached (see p.22 for details of how to attach)
- Completely retract all intermediate props before lifting.

- Lift the table out, and up to next storey

Shifting in practice



Site:
Plus-City 2000 shopping centre, Pasching, Austria



Site:
Warehouse for Messrs. Klotzner, Linz, Austria

Hoisting using a 4-part lifting chain

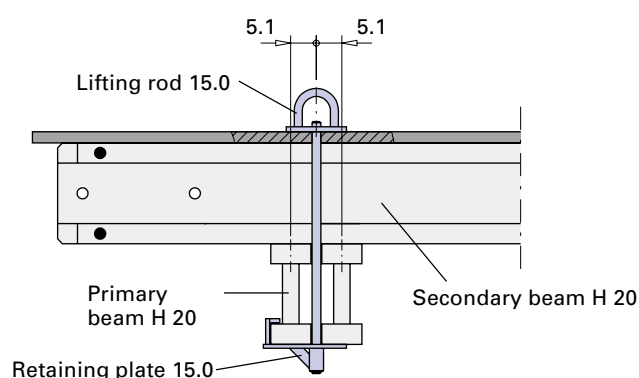
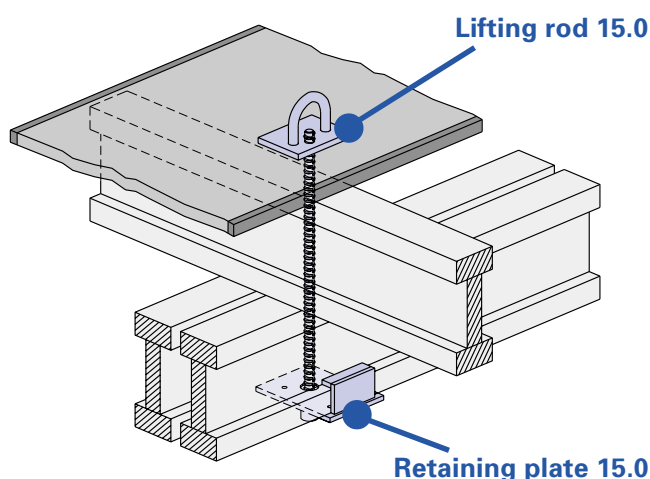
Where Dokaflex tables are vertically shifted using a 4-part lifting chain, the **Lifting rod 15.0** ensures that they are safely suspended from the crane.

Depending on the version, a **Retaining plate 15.0** may also have to be used.



Before starting to use, it is **ESSENTIAL** to read the instructions in the manual supplied with the equipment!

Mounted between the primary beams:



4 x Lifting rods 15.0 are required for crane-shifting Dokaflex tables

Clip the Retaining plate 15.0 onto the primary beam, bolt the Lifting rod 15.0 in place and tighten it thoroughly.



Use a drill bit of diam. 20 - 25 mm to drill through the sheathing. A Universal plug R20/25 can then be used to seal the hole.

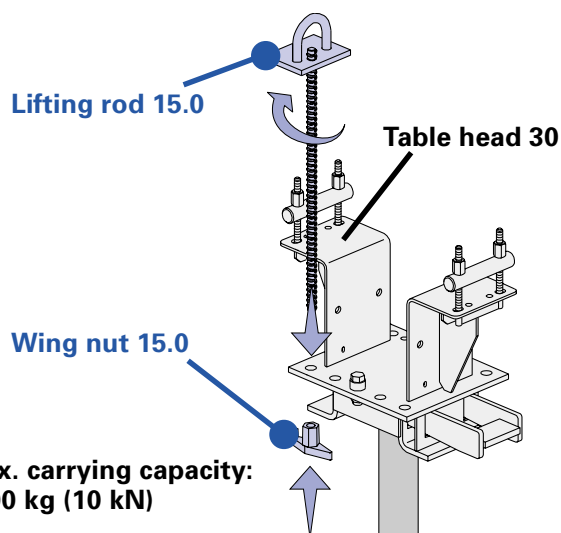
When considering the load-bearing capacity, a distinction must be made between:

- **concentric** load application (paired primary beams), and
- **eccentric** load application (single primary beam)

Max. carrying capacity:

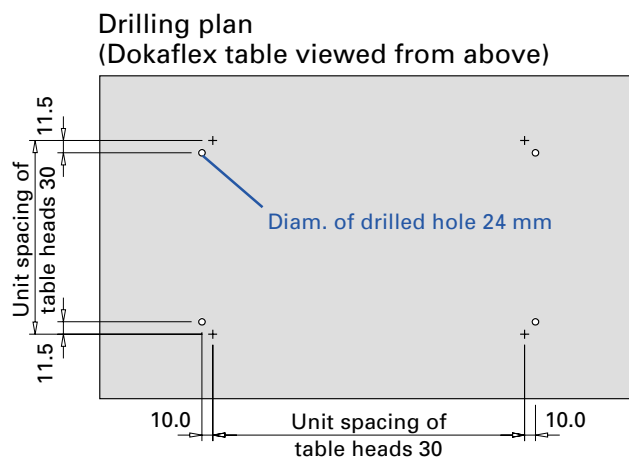
- with **concentric** load application: **1000 kg (10 kN)**
- with **eccentric** load application: **300 kg (3 kN)**

Mounted directly in the Table-head:



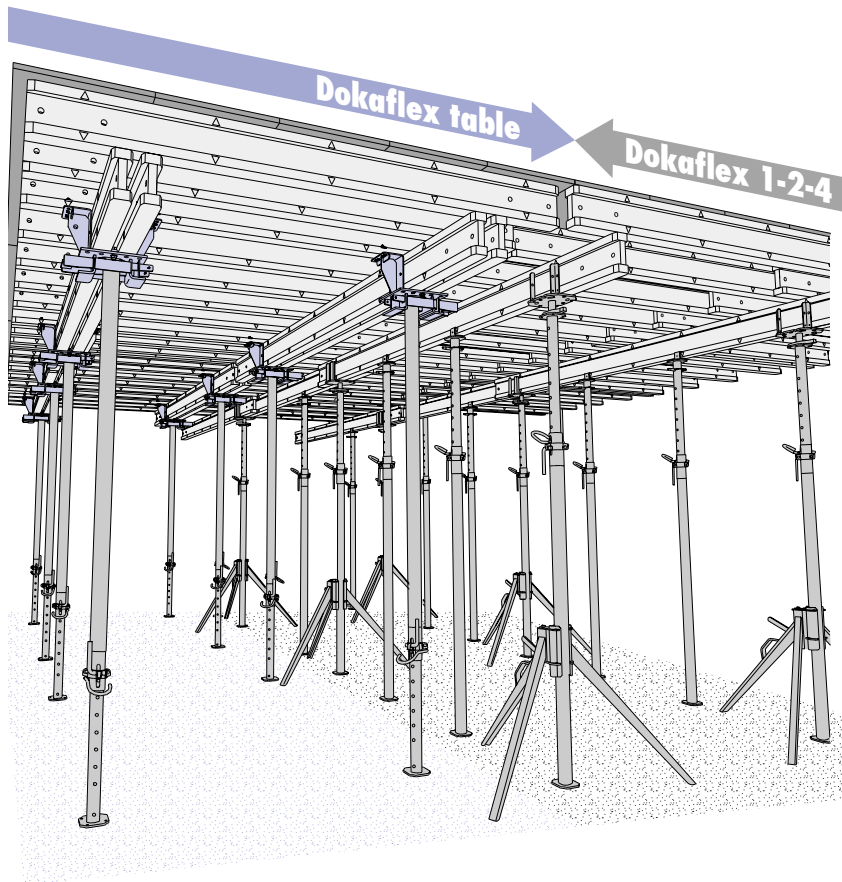
Max. carrying capacity:
1000 kg (10 kN)

Using a Wing nut 15.0, bolt the Lifting rod 15.0 directly into the Table head 30.



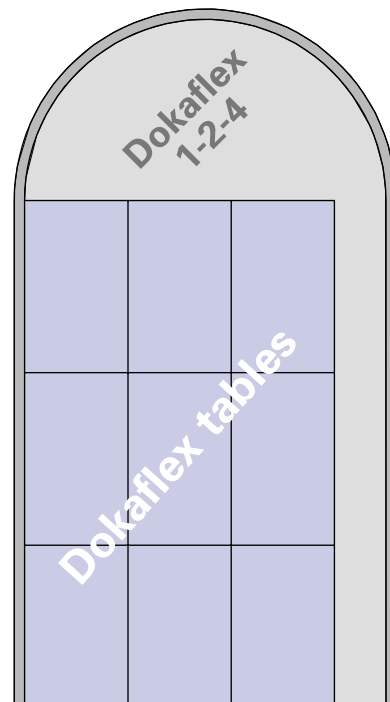
Measurements in cm

Combining Dokaflex tables with Dokaflex 1-2-4



The tables and Dokaflex 1-2-4 both use the same system components, so they are ideal to combine. Infill zones and closures can be covered directly from within the system, saving time and cutting costs still further.

Example:
Dokaflex tables around the edge,
closure in middle with Dokaflex 1-2-4



Site:
Porschehof, Salzburg

Tipos helps to form even more efficiently

Tipos has been developed to assist in planning the use of Doka formwork. For floor formwork, wall formwork and platforms, it puts the same tools into your hands that Doka technicians themselves use daily for formwork planning.

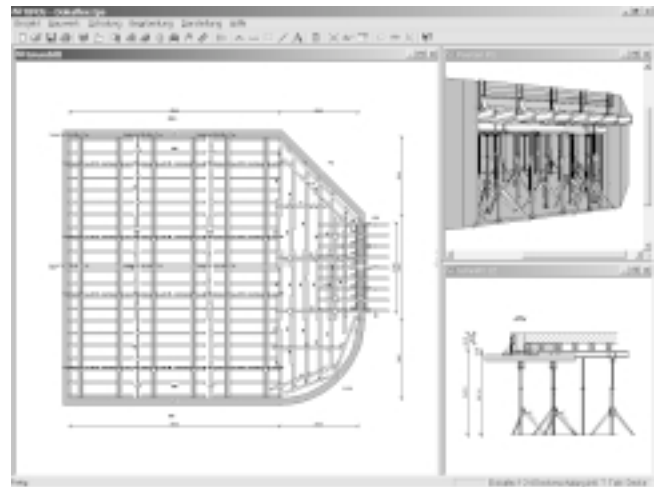
TIPPOS

Easy to use, fast and accurate results

The easy-to-use interface makes for very fast working. From when you input your layout and define your floor polygons (with the "Schal-Igel"® on-screen assistant), all the way through to when you manually put the finishing touches to the formwork solution the program gives you. All this saves time - yours.

The program contains a large number of templates from formwork practice, so you can be sure of always getting the optimum technical and economical solution to your formwork task. This makes for greater operational reliability, and cuts costs.

You can get to work right away with the piece-lists, plans, views, sections and perspective drawings that the program gives you. Operational reliability is also enhanced by the high degree of detail of the plans.



Formwork drawings really can be this detailed! Both for the layouts and views, and for spatial representations, Tipos sets an impressive new standard of visual presentation.

Always the right quantities of formwork and accessories

Best.	Artikelnr.	Bezeichnung	Ph.	Stk.	Ein.	Ein.	Ein.	Ein.	Ein.	Ein.	Ein.
	DOKA 590174000	Abstreifkopf H 20		45.50	0	0	0	24	8	2	
	DOKA 596148000	Balkenauflager 60 cm		32.50	0	0	0	5	8	1	
	DOKA 590148000	Balkenbohle 20		83.00	0	0	0	18	8	10	
	DOKA 596856000	Doka-Deckensklube Euro 20 250		72.50	0	0	0	55	8	10	
	DOKA 590202000	Doka-Deckensklube Euro 30 250		79.80	0	0	0	24	8	2	
	DOKA 196803000	Doka-Schalungstafel 3450 x 21 mm 196,450 cm		30.21	0	0	0	2	8	1	
	DOKA 196808000	Doka-Schalungstafel 3450 x 21 mm 208,450 cm		26.95	0	0	0	2	8	1	
	DOKA 196811000	Doka-Schalungstafel 3450 x 21 mm 258,450 cm		33.69	0	0	0	20	8	2	
	DOKA 189824000	Doka-Schalungstige H 28 P 1,80 m		29.35	0	0	0	2	8	1	
	DOKA 189807000	Doka-Schalungstige H 28 P 2,45 m		39.95	0	0	0	1	8	1	
	DOKA 189818000	Doka-Schalungstige H 28 P 2,45 m		43.20	0	0	0	24	8	2	
	DOKA 189817000	Doka-Schalungstige H 28 P 3,50 m		63.95	0	0	0	13	8	1	
	DOKA 196802000	Dokalies-Pinsel 21 150/56 cm		41.25	0	0	0	12	8	1	
	DOKA 596250000	Dokalies-Tisch 2,58 x 5,08 m - 27 mm						6	8	1	
	DOKA 592518000	Federbolzen 16 mm verzinkt		4.95	0	0	0	56	8	10	
	DOKA 596176000	Halskopf HD		0.75	0	0	0	21	8	2	
	DOKA 596758000	Stützen		181.50	0	0	0	24	8	2	
	DOKA 996809101	beurteilte Kettlinie		0.80	0	0	0	12	8	1	

You can import the automatically generated piece-lists into many other programs for further processing.

Formwork components and accessories that have to be organised at short notice, or replaced by improvisation, are the ones that cost the most. This is why Tipos offers complete piece-lists that leave no room for improvisation. Planning with Tipos eliminates costs before they have a chance to even arise. And your depot can make the best possible use of its stocks.



Correct temporary shoring

When is the best time to strike?

The load occurring during concreting (i.e. the weight of the uncovered floor) will generally be approx. 50 % of the design load of the floor (i.e. dead weight + flooring + live load).

This means that the formwork can be struck once the concrete has reached 50% of its 28-day strength. The loading safety of the floor is then equal to that of the finished structure.



If the load is not removed from the formwork props at this stage they will remain loaded with the dead weight of the floor. When the floor above is concreted, this will lead to twice the load being applied to the props.

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

Why use temporary shoring after striking?

Depending on the construction sequence, temporary shoring may be needed to carry live loads on the new floor, and concreting loads from the next floor to be poured.

Positioning auxiliary props correctly:

The function of auxiliary props is to spread loads between the new floor and the floor beneath it. The number of auxiliary props that are needed will depend on the relationship between the rigidities of these two floors.

The required numerical relationship between auxiliary props and formwork props can be stated for the following two limit cases:

- **only approx. 0.4 auxiliary props per formwork prop** where both floors have similar rigidities
- **only approx. 0.8 auxiliary props per formwork prop** where the floor below has a considerably higher rigidity (foundation slab)

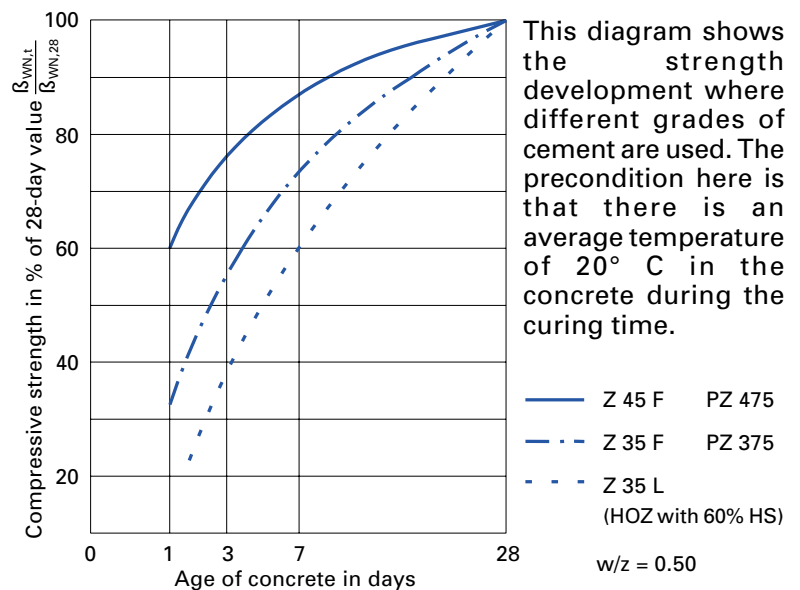
Ask an expert!



As a rule, the question of temporary shoring should be referred to the responsible experts, regardless of the information given above. If there is any doubt, particularly where dissimilar floor systems are involved, the decision must be referred to the responsible structural designer.

Concrete technology and striking formwork

Strength development in new concrete



Deflection of the new concrete

The elastic modulus of the concrete has already reached more than 90 % of the 28-day value after only 3 days, regardless of the formulation of the concrete. The increase in the elastic deformation taking place in the new concrete is thus only negligible. The creep deformation, which only ceases after several years, is several times more than the elastic deformation. However, early striking - e.g. after 3 days instead of 28 - only leads to an increase of less than 5 % in the total deformation. 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 deformation of the floor is practically independent of the time at which the formwork was struck.

Cracks in new concrete

The bonding strength between the reinforcement and the concrete develops more rapidly in the new concrete than does its compressive strength. This means that early striking does not have any negative effect upon the size and distribution of cracks on the tension side of reinforced concrete constructions. Other cracking phenomena caused by e.g. shrinkage, premature striking, impeded deformation etc. can be combatted 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
- etc.

The simplest precaution is to leave the formwork on the concrete surface for longer. This should be done in any case where any of the familiar extra curing measures are carried out.

Striking formwork from beneath wide-span floors

Where thin, wide-spanned concrete floor slabs are constructed (e.g. in multistorey car parks), the following points must be observed:

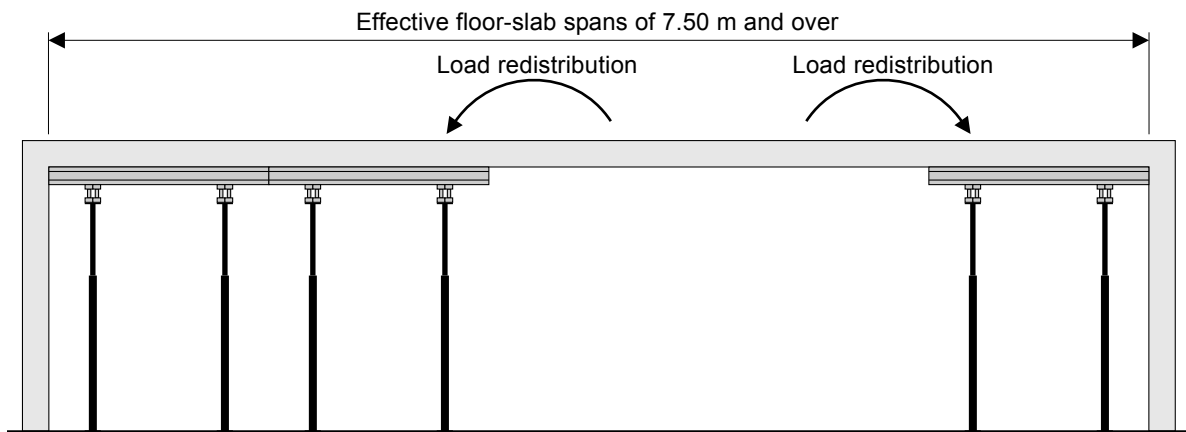
When the formwork is removed from beneath these floor-slab spans (i.e. when the load is taken off the props), the props that are still in place are briefly subjected to additional loads that can lead to overloading and damage to the props.

When planning and designing floor formworks for these very thin concrete floor slabs, it is thus essential to allow for the **loads occurring during formwork removal**, as well as for the usual design loads.

Please consult your friendly Doka technician.

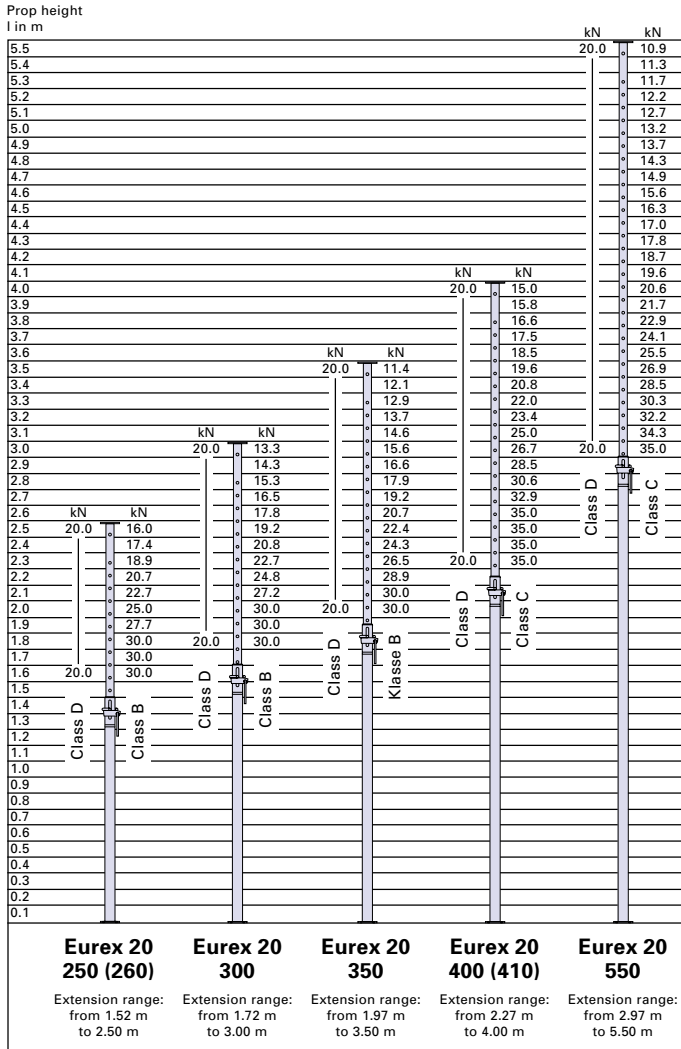
The basic rule is:

The formwork should be removed starting from the **middle of the floor slab (middle of span)** and working **towards the edges**. For wide spans, this procedure **MUST** be followed!

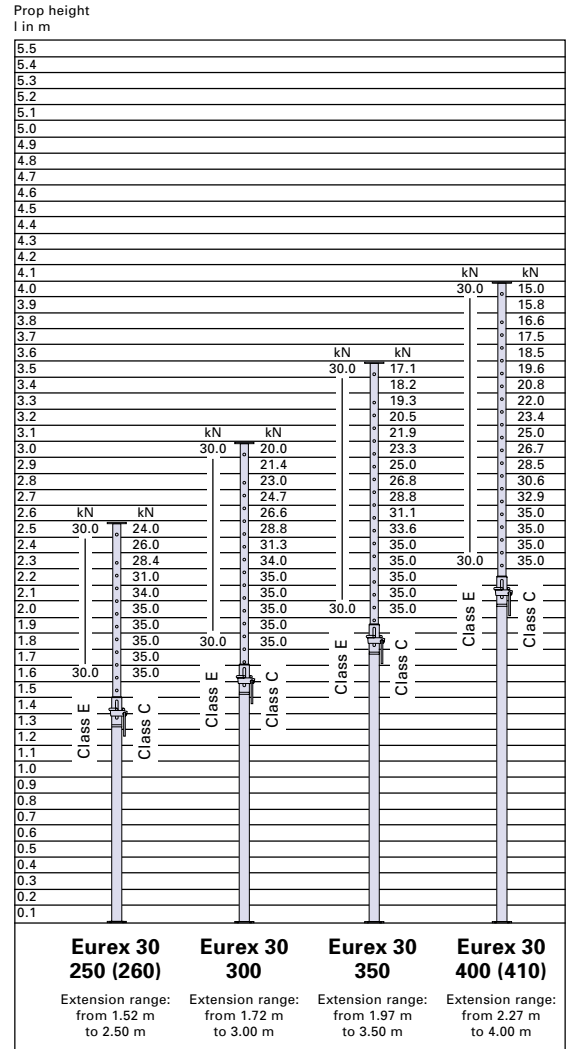


Maximum prop loads to EN 1065

Eurex 20 floor props



Eurex 30 floor props




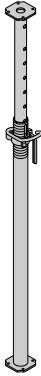
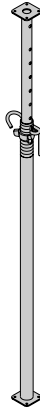

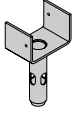
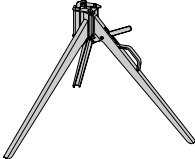

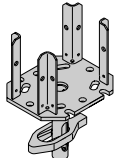
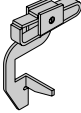

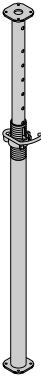
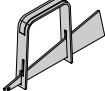
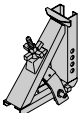

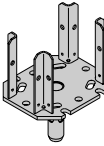
The following table gives an overview of the prop classes, to both EN 1065 and DIN 4424.

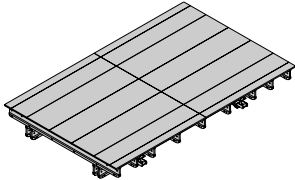

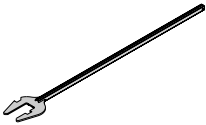
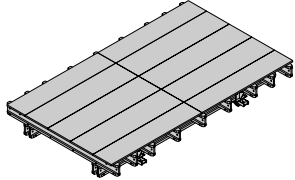

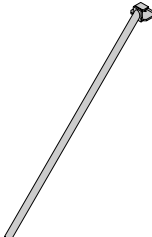
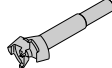
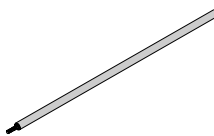
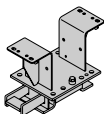
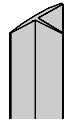
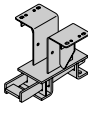
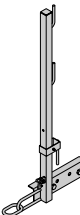

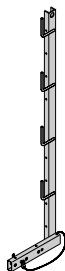

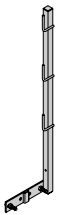
Floor prop	Class to		
	EN 1065	DIN 4424	
Eurex 20 250 (260)	D	B	N
Eurex 20 300	D	B	N
Eurex 20 350	D	B	N
Eurex 20 400 (410)	D	C	G
Eurex 20 550	D	C	G
Eurex 30 250 (260)	E	C	G
Eurex 30 300	E	C	G
Eurex 30 350	E	C	G
Eurex 30 400 (410)	E	C	G



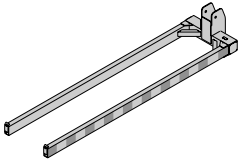


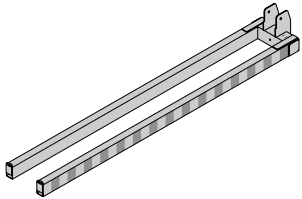
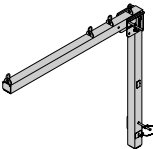

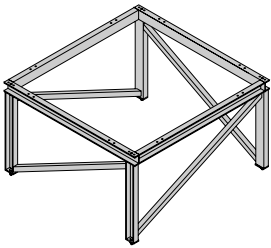
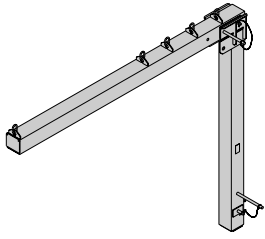


Classes N and G of DIN 4424 now correspond to Classes B and C, respectively, of EN 1065.

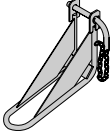
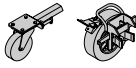
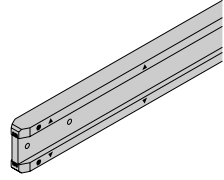
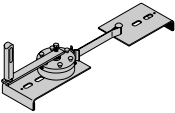
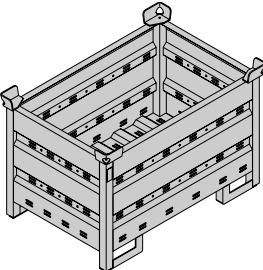
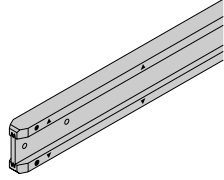
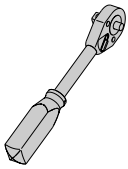
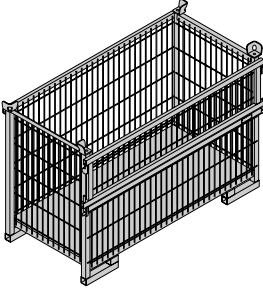
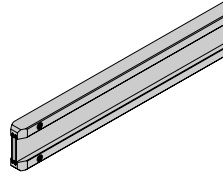

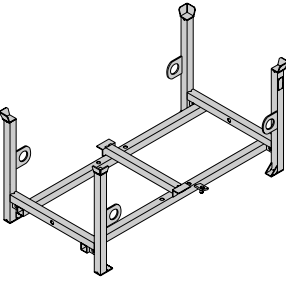

Classes B and C are only of any significance in Germany.

Your Doka adviser will be pleased to provide you with any further information that you may need.

	Weight kg	Article n°		Weight kg	Article n°		Weight kg	Article n°
<p>Doka floor prop Eurex 20 250 extension range 147 - 250 cm</p> <p>Doka floor prop Eurex 20 300 extension range 172 - 300 cm</p> <p>Doka floor prop Eurex 20 350 extension range 197 - 350 cm</p> <p>Doka floor prop Eurex 20 400 extension range 222 - 400 cm</p> <p>Doka floor prop Eurex 20 550 extension range 297 - 550 cm</p> <p>Doka-Deckenstütze Eurex 20</p> <p>Galvanised</p> <p>Max. load: at any telescoping length 20 kN to EN 1065</p>  	12.9	586086	<p>Doka floor prop Eco 20 260 extension range 152 - 260 cm</p> <p>Doka floor prop Eco 20 300 extension range 172 - 300 cm</p> <p>Doka floor prop Eco 20 350 extension range 197 - 350 cm</p> <p>Doka floor prop Eco 20 410 extension range 227 - 410 cm</p> <p>Doka-Deckenstütze Eco 20</p> <p>Galvanised</p> <p>Max. load: at any telescoping length 20 kN to ÖNORM B 4009</p> 	11.7	586134	<p>Supporting head H 20 DF Haltekopf H 20 DF</p> <p>Galvanised Length 19 cm, width 11 cm, height 8 cm</p> 	0.77	586179
		15.3	586087		13.0	586135		
		17.8	586088		15.3	586136		
		22.2	586089		19.2	586137		
		34.6	586090				<p>U-head 12.5 cm Kopfgabel 12,5 cm</p> <p>Galvanised Height 23 cm</p> 	1.2
			<p>Removable folding tripod Stützbein</p> <p>Galvanised Height 100 cm</p> 	15.6	586155	<p>Spring locked connecting pin 16 mm Federbolzen 16 mm</p> <p>Galvanised Length 15 cm Packed in units of 100</p> 	0.25	582528
			<p>Lowering head H 20 Absenkopf H 20</p> <p>Galvanised Length 25 cm, width 20 cm, height 38 cm</p> 	6.1	586174	<p>Connector clip H20 Kreuzverbinder H20</p> <p>Painted blue Height 18 cm</p> 	0.70	586184
<p>Doka floor prop Eurex 30 250 extension range 147 - 250 cm</p> <p>Doka floor prop Eurex 30 300 extension range 172 - 300 cm</p> <p>Doka floor prop Eurex 30 350 extension range 197 - 350 cm</p> <p>Doka floor prop Eurex 30 400 extension range 222 - 400 cm</p> <p>Doka-Deckenstütze Eurex 30</p> <p>Galvanised</p> <p>Max. load: at any telescoping length 30 kN to EN 1065</p>  	14.8	586092	<p>Bracing clamp B Verschwertungsklammer B</p> <p>Painted blue Length 36 cm</p> 	1.4	586195			
	16.7	586093	<p>Beam forming support 20 Balkenzwinge 20</p> <p>Galvanised Length 30 cm, height 35 cm</p> 	6.9	586148			
	20.5	586094	<p>Extension 60 cm for beam forming support Balkenaufsatz 60 cm</p> <p>Galvanised</p> 	4.4	586149			
	24.7	586095	<p>Four-way head H 20 Vierwegkopf H 20</p> <p>Galvanised Length 25 cm, width 20 cm, height 33 cm</p> 	4.0	586170			

	Weight kg	Article n°		Weight kg	Article n°		Weight kg	Article n°
Wheel-around scaffold DF Mobilgerüst DF Aluminium Length 195 cm, width 80 cm, height 290 cm Max. load: 150 kg/m ²	44.0	586157	Dokaflex table 2.50 x 4.00 m - 21 mm 385.0 586052 Dokaflex table 2.50 x 5.00 m - 21 mm 470.0 586053 Dokaflex-Tisch 			Connection unit DF 20/30 0.93 586084 Spanneinheit DF 20/30 Galvanised Width 15 cm, height 12 cm, Width-across 19 mm 		
Alu beam fork H 20 Alu Trägergabel H 20 Aluminium, powder-coated yellow Length 176 cm 	2.4	586182	Dokaflex table 2.50 x 4.00 m - 27 mm 405.0 586054 Dokaflex table 2.50 x 5.00 m - 27 mm 485.0 586055 Dokaflex table 2.00 x 4.00 m - 27 mm 334.0 586056 Dokaflex table 2.00 x 5.00 m - 27 mm 408.0 586057 Dokaflex-Tisch 			Beam screw S 8/60 0.06 580116 Riegelverschraubung S 8/60 Galvanised Length 7 cm, width-across 13 mm Packed in units of 300 		
Stripping lever DF 1.20 m Ausschalhebel DF 1,20 m Powder-coated yellow 	2.7	586158	Doka fitting board DF 27 mm *13.0 Doka-Passstreifen DF 27 mm Available formats: 200/9.5 cm 2.5 187052 250/9.5 cm 3.1 187053 200/20 cm 5.2 187050 250/20 cm 6.5 187051 * weight per m ²			Centre bit DF 30 0.10 586081 Zentrumsbohrer DF 30 		
Lever extension DF 1.20 m Hebelverlängerung DF 1,20 m Powder-coated yellow 	2.0	586159	Table head 30 18.5 586078 Tischkopf 30 Galvanised, powder-coated, blue Length 44 cm, width 25 cm, height 30 cm 			T-ledge 21/42 2.00 m 0.34 580196 T-Leiste 21/42 2,00 m Grey 		
			Table head 20 16.5 586085 Tischkopf 20 Galvanised, powder-coated, blue Length 41 cm, width 33 cm, height 30 cm 			Handrail post DF 14.6 586076 Steckgeländer DF Galvanised Height 142 cm 		
			Spring cotter 6 mm 0.06 580204 Federvorstecker 6 mm Galvanised Length 13 cm Packed in units of 300 			Handrail post T 1.80 m 17.7 584373 Einschubgeländer T 1,80 m Galvanised 		
			Intermediate head DF 6,2 586058 Zwischenkopf DF Galvanised Width 26 cm, height 33 cm 			Handrail post 1.50 m 12.4 582754 Geländer 1,50 m Galvanised 		

	Weight kg	Article n°		Weight kg	Article n°		Weight kg	Article n°
<p>Handrail clamp S Schutzgeländerzwinge S</p> <p>Galvanised Height min. 123 cm, max. 171 cm</p>  	11.4	580470	<p>Stacking frame ST 1.50 m Aufsatzrahmen ST 1,50 m</p> <p>Galvanised Length 134 cm, width 130 cm, height 164 cm</p> <p>Max. load: 1200 kg (12 kN) N.B.: Follow the directions in the instruction manual!</p> <p>Attachable drive unit DF Andockantrieb DF</p> <p>Painted blue Length 100 cm, width 100 cm, height 130 cm</p> <p>Max. load: 1200 kg (12 kN) N.B.: Follow the directions in the instruction manual!</p>	285.0	586060	<p>Transport fork DF 1 t / 0.90 m Transport fork DF 1 t / 1.30 m Transport fork DF 1 t / 2.00 m Gabel DF 1 t</p> <p>Galvanised Length 411 cm, height 58 cm</p> <p>Max. load: 1000 kg (10 kN) N.B.: Follow the directions in the instruction manual!</p> <p>CE</p> 	220.0	586069
<p>Shifting trolley DF Umsetzwagen DF</p> <p>Galvanised Length 181 cm, width 130 cm Height min. 154 cm, max. 303 cm</p> <p>Included in scope of supply: Positioning lever for shifting trolley DF Lifting motor DF Painted blue Brace stirrup 8 4 pcs. enclosed, loose</p> <p>Electricity supply for hydraulic drive: 220 V / 50 Hz Max. load: 1200 kg (12 kN) N.B.: Follow the directions in the instruction manual!</p> <p>CE</p> 	566.0	586080	<p>CE</p> 	512.0	586062	<p>Transport fork DF 1.5 t / 0.90 m Transport fork DF 1.5 t / 1.30 m Transport fork DF 1.5 t / 2.00 m Gabel DF 1,5 t</p> <p>Galvanised Length 638 cm, height 71 cm</p> <p>Max. load: 1500 kg (15 kN) N.B.: Follow the directions in the instruction manual!</p> <p>CE</p> 	480.0	586065
	6.0	586063		263.0	586068		1.9	586074
	25.5	586075						
	2.7	582751						
			<p>Lifting extension bracket DF 1 t Ausleger DF 1 t</p> <p>Galvanised Length 336 cm, width 66 cm, height 309 cm</p> <p>How delivered: Folded closed Max. load: 1000 kg (10 kN) N.B.: Follow the directions in the instruction manual!</p> <p>CE</p> 			<p>Lifting rod 15.0 Umsetzstab 15,0</p> <p>Painted blue Height 57 cm</p> <p>Safety instruction: Never weld or heat tie-rods - risk of fracture! Max. load: 300 kg (3 kN) for single beams; 1000 kg (10 kN) for double beams in conjunction with retaining plate 15.0. N.B.: Follow the directions in the instruction manual!</p> <p>CE</p> 		
<p>Stacking frame DF Aufsatzrahmen DF</p> <p>Galvanised Length 134 cm, width 130 cm, height 75 cm</p> <p>N.B.: Follow the directions in the instruction manual!</p> 	82.0	586079	<p>Lifting extension bracket DF 1.5 t Ausleger DF 1,5 t</p> <p>Galvanised Length 456 cm, width 82 cm, height 386 cm How delivered: Folded closed</p> <p>Max. load: 1500 kg (15 kN) N.B.: Follow the directions in the instruction manual!</p> <p>CE</p> 	475.0	586064	<p>Retaining plate 15.0 Jochplatte 15,0</p> <p>Galvanised Length 17 cm, width 12 cm, height 11 cm</p> 	1.8	586073
						<p>Universal plug R 20/25 Kombi-Ankerstopfen R 20/25</p> <p>Colourless Diam. 3 cm Packed in units of 100</p> 	0.003	588180

	Weight kg	Article n°		Weight kg	Article n°		Weight kg	Article n°										
Lifting hook DF Umsetzbügel DF Galvanised Length 42 cm, width 20 cm, height 36 cm Max. load: 3 kN N.B.: Follow the directions in the instruction manual! CE 	5.9	586077	Bolt-on castor set Anklemm-Radsatz Painted blue consisting of: 2 x bolt-on castors, complete overall depth 23 cm 2 x heavy-duty wheels, complete overall depth 32 cm Max. load: 1100 kg (11 kN) N.B.: Fit onto the Doka stacking pallet and the Doka accessory box 	33.5	586154	Doka formwork beam H 20 N 2.65 m Doka formwork beam H 20 N 3.90 m Doka-Schalungsträger H 20 N Varnished yellow Max. moment = 5.0 kNm, Max. transverse force = 11.0 kN as per approval by Institute of Building Technology, Berlin. Values applicable only when formwork beams are upright. Permissible shearing forces are lower by several orders of magnitude if formwork beams are horizontal. 	13.3	189222	19.5	189204								
Strip steel tensioner 5.00 m for formwork assembly Bandzwinde 5,00 m Galvanised 	2.0	580393	Doka multi-trip transport box 1200 x 800 Doka-Mehrwegcontainer 1200 x 800 Galvanised Length 120 cm, width 80 cm, height 78 cm Max. load: 1500 kg (15 kN) N.B.: Follow the directions in the instruction manual! CE 	75.0	583011	Doka formwork beam H 20 P 2.65 m Doka formwork beam H 20 P 3.90 m Doka-Schalungsträger H 20 P Varnished yellow Max. moment = 5.0 kNm, Max. transverse force = 11.0 kN as per approval by Institute of Building Technology, Berlin. Values applicable only when formwork beams are upright. Permissible shearing forces are lower by several orders of magnitude if formwork beams are horizontal. 	13.5	189910	19.9	189917								
Reversible ratchet 1/2" Umschaltknarre 1/2" Galvanised Length 30 cm 	0.73	580580	Doka skeleton transport box 1700 x 800 Doka-Gitterbox 1700 x 800 Galvanised Height 113 cm Max. load: 700 kg (7 kN) N.B.: Follow the directions in the instruction manual! CE 	88.5	583012	Doka formwork beam H 16 N 2.45 m Doka formwork beam H 16 N 2.90 m Doka formwork beam H 16 N 3.60 m Doka formwork beam H 16 N 3.90 m Doka formwork beam H 16 N 4.90 m Doka formwork beam H 16 N 5.90 m Doka-Schalungsträger H 16 N Varnished yellow Max. moment = 2.7 kNm, Max. transverse force = 7.5 kN as per approval by Institute of Building Technology, Berlin. Values applicable only when formwork beams are upright. Permissible shearing forces are lower by several orders of magnitude if formwork beams are horizontal. 	8.6	189802	10.2	189803	12.6	189809	13.7	189805	17.2	189813	20.7	189814
Nut for box spanner 19 Hülssennuss 19 Galvanised 	0.16	580598	Doka stacking pallet Doka-Stapelpalette Galvanised Length 154 cm, width 83 cm, height 77 cm Max. load: 1100 kg (11 kN) N.B.: Follow the directions in the instruction manual! CE 															
Box nut 13 Stecknuss 13 Galvanised 	0.06	580576																

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