999280702 - 03/2022
en-GB

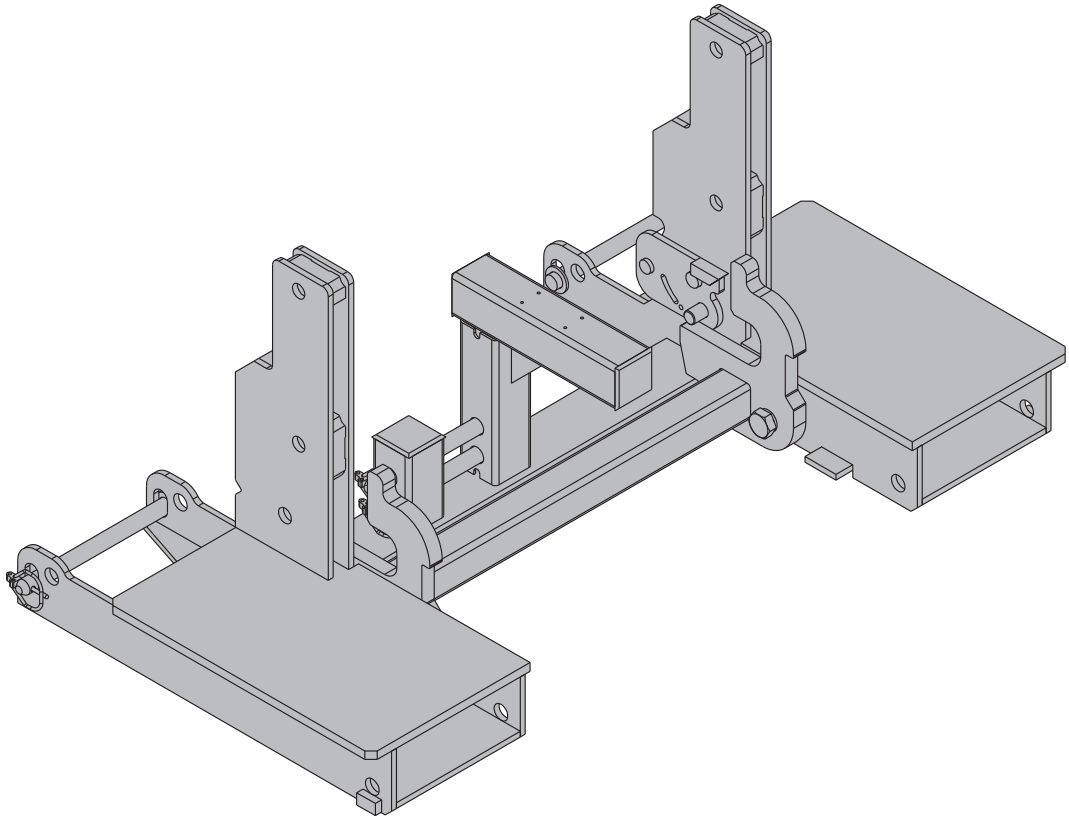
The Formwork Experts.

Fork lift shifting device TG

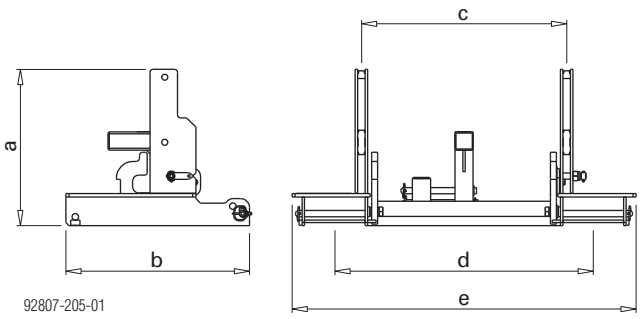
Art. n° 582797000

Original Operating Instructions

Please retain for future reference



Product presentation



a ... 514 mm
b ... 604 mm
c ... 675 mm
d ... 850 mm
e ... 1132 mm

Data on rating plate

Designation: Fork lift shifting device TG
Dead weight: 83 kg (183 lbs)
Max. load: 1000 kg (2200 lbs)
Art. n°: 582797000
Year of manufacture: see rating plate

CE

Intended use

The Fork lift shifting device TG is a lifting accessory. It is used for erecting, dismantling and transporting the following Doka load-bearing towers (intended use).

- Staxo
- Staxo 40
- Staxo 100
- Staxo 100 eco
- d2
- d3

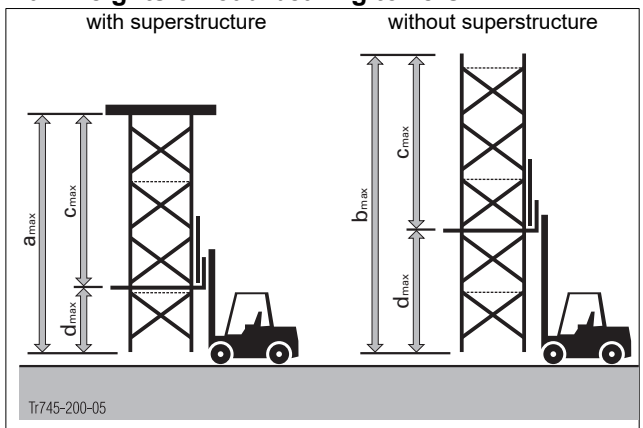
NOTICE

- Other use or use not in conformity with that stated above is non-intended use and requires the prior written approval of the Doka company!
- It is forbidden to use the shifting device with load-bearing towers made by other manufacturers.

Max. load

Load on forklift	Max. load on shifting device	
	with box-style fork extensions	with telescopic forks
4000 kg	1000 kg	600 kg
2000 kg	600 kg	600 kg

Max. heights of load-bearing towers



	Load on forklift **4000 kg**		Load on forklift **2000 kg**	
	when travelling	when lifting	when travelling	when lifting
a_{max}	7.20 m	9.00 m	5.00 m	7.00 m
b_{max}	9.00 m	12.60 m	7.00 m	10.00 m
c_{max}	5.40 m	9.00 m	4.00 m	7.00 m
d_{max}	3.60 m	3.60 m	3.00 m	3.00 m

Maintenance & inspection

- Repairs may only be carried out by the manufacturer!
- Doka accepts no liability for products that have been altered!

Before every use

➤ Check for any signs of damage or visible deformation.

Lifting accessories that do not meet the following criteria must be withdrawn from use immediately:

- Crack-free and notch-free welds.
- No deformation.
- Rating plate must be in place and clearly legible

At regular intervals

- Inspection of lifting accessories must be performed at regular intervals by an **expert** in conformity with **national statutory provisions**.
  Unless otherwise stipulated, such inspection must be carried out **at least once a year**.

Storage

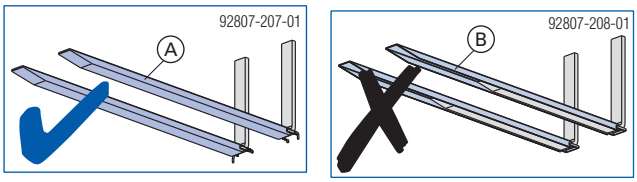
- Store lifting accessories in a dry and well ventilated place, protected from the weather and from all corrosive substances.

Requirements for fork-lift trucks or telescoping stacker trucks

- Overhead guard for forklift operator
- Centre-to-centre distance of the fork prongs: 850 mm

WARNING

➤ It is not permitted to use non-enclosed (open) fork extensions.



A Box-style fork extension

B Open fork extension

- Permitted types of fork extension:
  - box-style fork extensions [1)]
  - Telescopic fork prongs
- Min. fork length:
  Distance between the frames of the load-bearing tower + 400 mm
- Max. fork width: 195 mm
- Max. fork height: 71 mm

1) Observe the following manufacturer's data:
- Load-bearing capacity of the fork extension
- Required length of the fork prongs

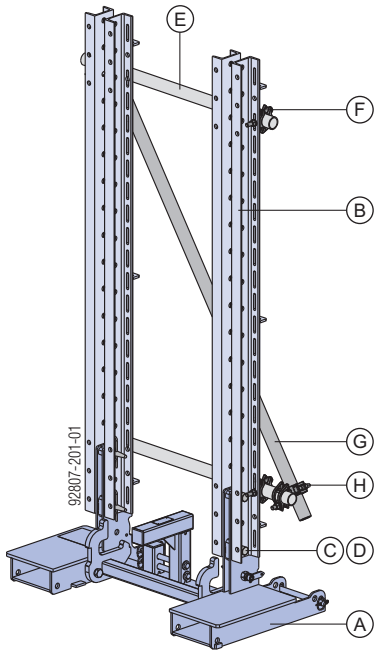
Preparation

Pre-assembly of the shifting device

➤ Mount multi-purpose walings to the shifting device, by means of connecting pins and spring cotters.

➤ Mount horizontal scaffold tubes, by means of screw-on couplers.

➤ Mount a diagonal scaffolding tube, by means of Swivel couplers.



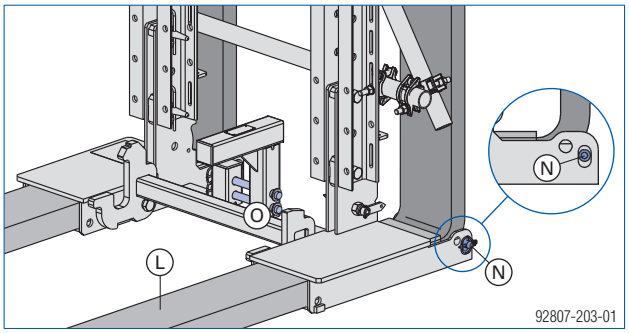
Items needed:

Item	Designation	Q'ty
(A)	Fork lift shifting device TG	1
(B)	Multi-purpose walings WS10 Top50 2.00m	2
(C)	Connecting pins 10cm	4
(D)	Spring cotters 6mm	4
(E)	Scaffolding tubes 48.3mm 1.00m	2
(F)	Screw-on couplers 48mm 50	4
(G)	Scaffolding tube 48.3mm 2.00m	1
(H)	Swivel couplers 48mm	2
	Operating cord, site-provided (optional)	1

Mounting the shifting device to the forklift truck

Mounting to box-style fork extensions:

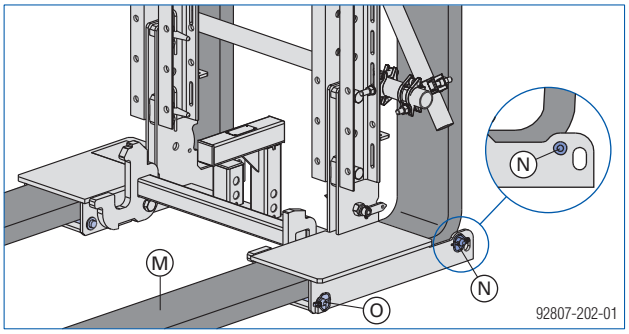
➤ Remove the rear safety pins from the shifting device.
➤ Push the shifting device onto the box-style fork extensions.
➤ Bolt the shifting device into the rear **slotted holes**, using safety pins, and secure with linch pins.



L Box-style fork extension
N Safety pin with linch pin
O Spacer bolt with linch pin (in stand-by position)

Mounting to telescopic fork prongs:

➤ Remove the rear safety pins from the shifting device.
➤ Push the shifting device onto the telescopic fork prongs.
➤ Bolt the shifting device into the rear **bores**, using safety pins, and secure with linch pins.
➤ Bolt the shifting device into the front bores, using spacer bolts, and secure with linch pins.

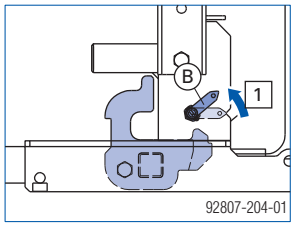


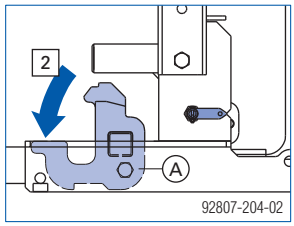
M Telescopic fork prong
N Safety pin with linch pin
O Spacer bolt with linch pin

Picking up the load-bearing tower

If the "Clamping part" has not been opened, the following steps must be performed:

1) Pivot the locking lever upwards until it locks. This unlocks the Clamping part.
2) Open the Clamping part.

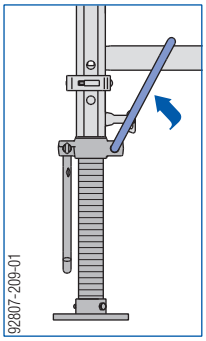




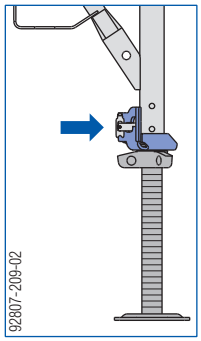
A Clamping part
B Locking lever

➤ Take the load off the load-bearing tower.
➤ Secure the base units to prevent them dropping out.

e.g. Staxo 100

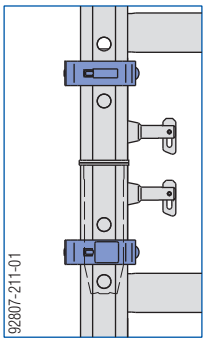


e.g. Staxo 40

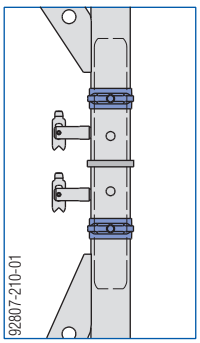


➤ Link the frames in a crane-handling-safe manner.

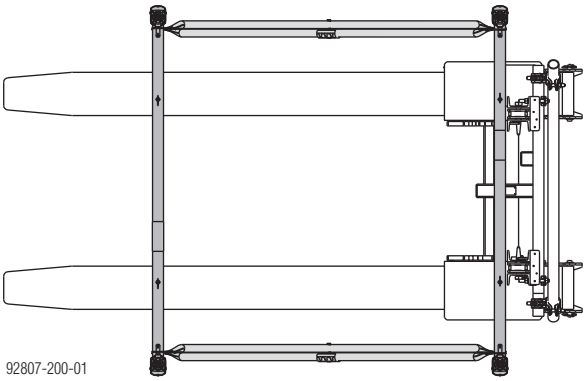
e.g. Staxo 100

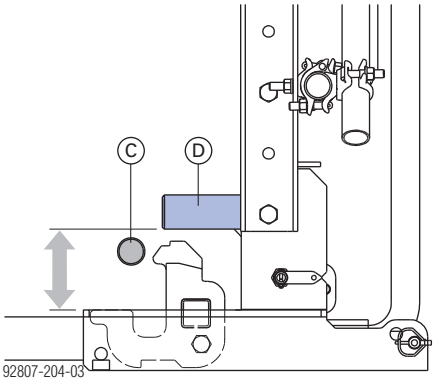


e.g. Staxo 40



➤ Manoeuvre the stacker-truck forks beneath the middle of the towerframe cross-bar or Staxo 40 lifting strut.

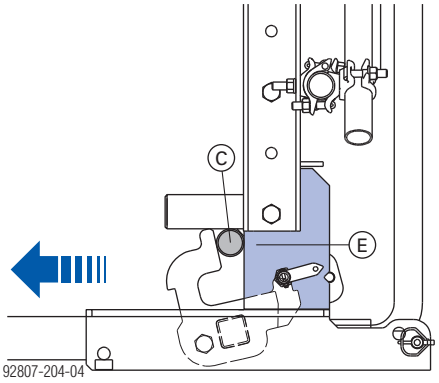




C Towerframe cross-bar or Staxo 40 lifting strut
D Vertical stop

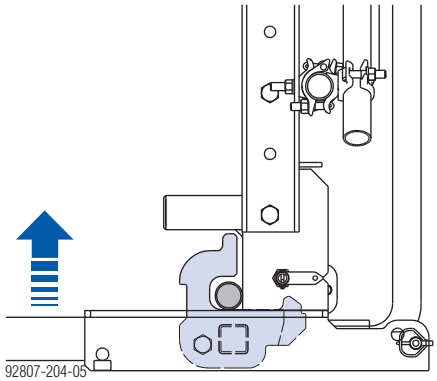
Height check:
The cross-bar or Staxo 40 lifting strut must be lower than the vertical stop.

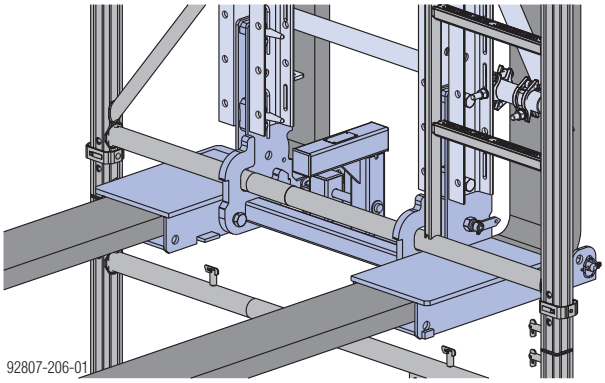
➤ Move the stacker-truck forks further in, until the cross-bar or Staxo 40 lifting strut is resting against the horizontal stop.



C Towerframe cross-bar or Staxo 40 lifting strut
E Horizontal stop

➤ Slightly raise the stacker-truck forks.

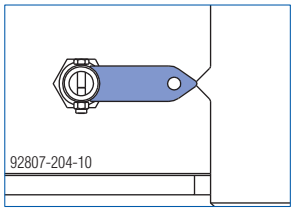




Shown here without diagonal crosses.

The Clamping part closes automatically.

Locking lever in horizontal position.



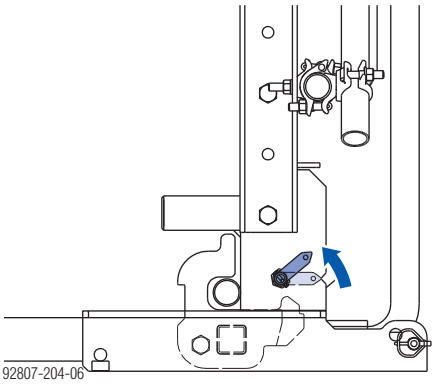
WARNING

➤ While load-bearing towers are being erected or dismantled, lifted or lowered: It is forbidden to walk or stand beneath suspended loads.

Setting down the load-bearing tower

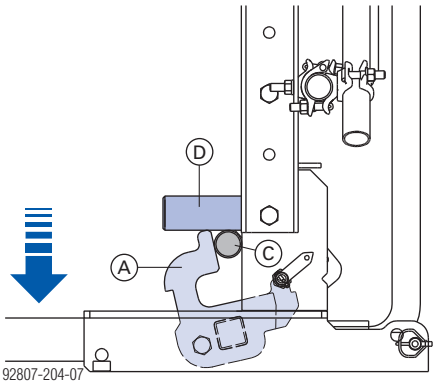
The load-bearing tower must be slightly raised.

➤ Pivot the locking lever upwards until it locks.



Attach an operating cord to the locking lever. This enables the fork-lift driver to operate the locking lever.

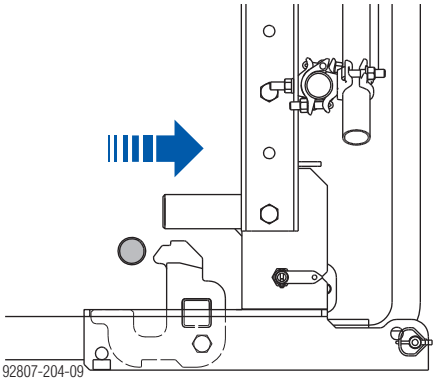
➤ Lower the stacker-truck forks until the towerframe cross-bar or Staxo 40 lifting strut is resting against the vertical stop.



A	Clamping part
C	Towerframe cross-bar or Staxo 40 lifting strut
D	Vertical stop

The "Clamping part" must be open.

➤ Slowly move out the stacker-truck forks.



Travelling the towerframe units

NOTICE

Important points to remember when wheeling load-bearing towers:

- As well as the fork-lift driver, a specially trained watchman must also be on hand during all lifting, assembly and travelling operations:
  - to check the locking lever
  - to give the OK to the fork-lift driver
  - to keep other people out of the danger zone.
- It is only permitted to travel Doka load-bearing towers that have been assembled in accordance with the assembly plans and erection rules given in the User Information booklet.
- "Passenger transportation" is forbidden!
- Before travelling the tower, remove any loose objects from the formwork and scaffold (tools, connector components, residual dirt etc.).
- max. inclination of trackway: 2%.
- The floor must be stable, firm and sufficiently smooth (e.g. concrete).
- Keep the travel route clean and free of any obstacles.
- Max. speed 4 km/h (walking pace)
- Always start moving very gently, and avoid abrupt braking.
- **Particular care is needed with:**
  - Height offsets
  - Steps
  - Break-throughs
  - Strong wind
- Either bridge any openings in the floor with sufficiently strong planking/boards secured so that they cannot slip away to either side, or close off openings with sufficiently strong side railings!
- For more prolonged breaks, always set down the load-bearing tower first.

Practical examples

Declaration of conformity

CE

EC Declaration of Conformity

pursuant to EC Directive 2006/42/EC.

The manufacturer declares that by reason of its conception and design, the following product

Fork lift shifting device TG, art. n° 582797000

conforms – in the version marketed by ourselves – to the pertinent fundamental health and safety stipulations of the relevant EC Directives.

The following harmonised standards were applied:

- EN ISO 12100:2010
- EN ISO 13854:2019

Person authorised to compile technical documentation (pursuant to European Directive on Machinery Annex II):

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