The Formwork Experts.

Forklift shifting device TG
Art. n° 582797000, 582797500 | 2007 models onward

Original Operating Instructions
Please retain for future reference
Basic drawings of product

Data on rating plate

Designation: Fork lift shifting device TG, Fork lift shifting device TG SN
Max. load: 1000 kg
Dead weight: 83.0 kg
Art.n°: 582797000, 582797500
Year of manufacture: see rating plate

Use for the designated purpose only

The Forklift shifting device TG may only be used for erecting, dismantling and transporting Doka load-bearing towers Staxo, Staxo 40, Staxo 100, Staxo 100 eco and d2.

Max. loads

<table>
<thead>
<tr>
<th>Max. load on forklift</th>
<th>Max. load on Forklift shifting device TG with box-style fork extensions</th>
<th>Max. load on Forklift shifting device TG with telescopic forks</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000 kg</td>
<td>1000 kg</td>
<td>600 kg</td>
</tr>
<tr>
<td>2000 kg</td>
<td>600 kg</td>
<td>600 kg</td>
</tr>
</tbody>
</table>

Max. heights of load-bearing towers

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Lifting accessories that do not meet the following criteria must be withdrawn from use immediately: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

- Driver protection roof
- Centre-to-centre distance of the fork prongs: 850 mm

WARNING

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

- 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 data:
- load carrying 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:

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

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.

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.
➤ Take the load off the load-bearing tower.
➤ Secure the base units to prevent them dropping out.
➤ Link the frames in a crane-handling-safe manner.

L Box-style fork extension
N Safety pin with linch pin
O Spacer bolt with linch pin (in stand-by position)
➤ Manoeuvre the stacker-truck forks beneath the middle of the towerframe cross-bar or Staxo 40 lifting strut.

➤ Slightly raise the stacker-truck forks.

➤ 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
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.

Showed here without diagonal crosses.
The Clamping part closes automatically.

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.

Travelling the towerframe units

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.

Slowly move out the stacker-truck forks.
Practical examples

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

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Fork lift shifting device TG SN, Art.n° 582797500

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

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

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Amstetten, 23 June 2015

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