Suspension points and anchorages

Warning against mixing anchoring components for different depths of concrete cover!
Formwork system 15.0

Possible depths of concrete cover:
- 2 cm
- 5 cm

Screw-in depth for both variants: 6 cm

Depth of concrete cover 2 cm

<table>
<thead>
<tr>
<th>Item name</th>
<th>Art. n°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cantilever positioning cone 15.0</td>
<td>581698000</td>
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<tr>
<td>Suspension cone 15.0</td>
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<td>Positioning cone 15.0</td>
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<td>Climbing cone 15.0</td>
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</tr>
<tr>
<td>She-bolt 15.0</td>
<td>581974000</td>
</tr>
<tr>
<td>She-bolt 15.0/1.20m</td>
<td>580511000</td>
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Depth of concrete cover 5 cm

<table>
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<tr>
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<td>She-bolt 15.0/5cm 1.20m</td>
<td>581832000</td>
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</tbody>
</table>

Differentiating features

All dimensions in cm (without sealing sleeves).

on Suspension and Positioning cones

Depth of concrete cover 2 cm

![Diagram of suspension cone 2 cm depth]

Depth of concrete cover 5 cm

![Diagram of suspension cone 5 cm depth]

on She-bolts

Depth of concrete cover 2 cm

![Diagram of she-bolt 2 cm depth]

Depth of concrete cover 5 cm

![Diagram of she-bolt 5 cm depth]

Important note:

- "Proper use" also implies observance of:
  - all the points in these "Fitting instructions"
  - the instructions and capacity rating data of the formwork system being used, as given in the respective "User information" booklets
  - in the case of project-specific planning, the data specified in plans.

- Any utilisation not in conformity with the above shall be deemed to be "improper use"!
- Only use anchoring components specified by Doka!
- Doka will not accept any liability for products that have been modified by the user!
Preparing the positioning-point

Example with Cantilever positioning cone 15.0/5cm and Stop-anchor 15.0. Depth of concrete cover: 5 cm

➤ **Warning** against not screwing in the parts (e.g. stop anchors or pigtail anchors) far enough into the positioning cones: This may subsequently lead to reduced load-bearing capacity and to the failure of the suspension point - resulting in injury and damage.

➤ Always screw in components until they fully engage. When correctly fitted, there will still be 1 cm of thread visible between the part and the depth mark on the stop anchor or pigtail anchor.

➤ Make sure that the parts then used for the suspension point are for the same depth of concrete cover.

➤ Tie the pigtail anchor or stop anchor to the reinforcement with binding wire. This prevents it becoming detached during pouring and vibrating.

Never weld or heat tie-rods - risk of fracture!

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Preparing the suspension point

➤ **Warning** against not screwing in the suspension cones sufficiently far: The resulting reduction in the load-bearing capacity may cause the suspension point to fail, leading to injury and damage.

➤ Never mix components that have different depths of concrete cover - this causes the screw-in depths to be insufficiently deep.

➤ Always screw in components until they fully engage.

**Correct suspension point:** Suspension cone 15.0/5cm fitted in prepared positioning-point

![Correct suspension point diagram](image)

**Suspension point where components with different depths of concrete cover have been mixed:**

![Wrong suspension point diagram](image)

**Wrong!**

- Suspension cone 15.0 (for depth of concrete cover = 2 cm) has been fitted here in a prepared positioning point for 5 cm depth of concrete cover.
- This reduces the screw-in length of the stop-anchor in the suspension cone from 6.0 to 3.0 cm!
- This suspension point is NOT adequate for sustaining the loads stated in the documentation!