

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

Item name	Art. n°
Cantilever positioning cone 15.0	581698000
Suspension cone 15.0	581970000
Positioning cone 15.0	581960000
Climbing cone 15.0	581978000
She-bolt 15.0	581974000
She-bolt 15.0/1.20m	580511000

Depth of concrete cover 5 cm

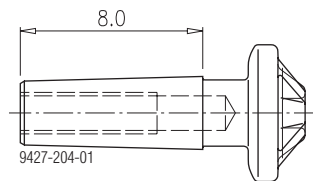
Item name	Art. n°
Cantilever positioning cone 15.0/5cm	581699000
Suspension cone 15.0/5cm	581971000
Positioning cone 15.0/5cm	581969000
Climbing cone 15.0/5cm	581980000
She-bolt 15.0/5cm	581972000
She-bolt 15.0 5cm 1.20m	581832000

Differentiating features

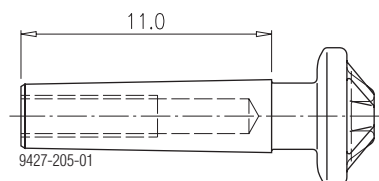
All dimensions in cm (without sealing sleeves).

on Suspension and Positioning cones

Depth of concrete cover 2 cm

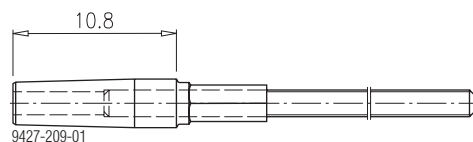


Depth of concrete cover 5 cm

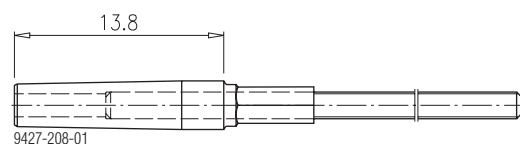


on She-bolts

Depth of concrete cover 2 cm



Depth of concrete cover 5 cm



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!

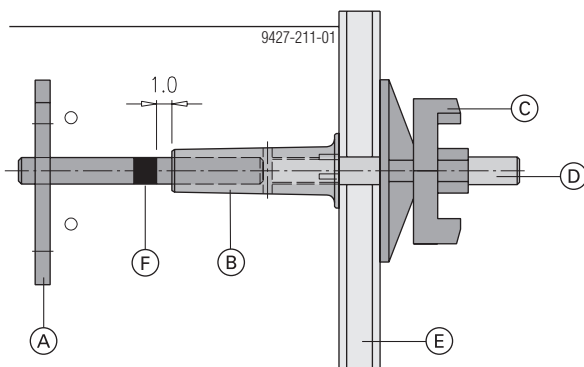
Preparing the positioning-point

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



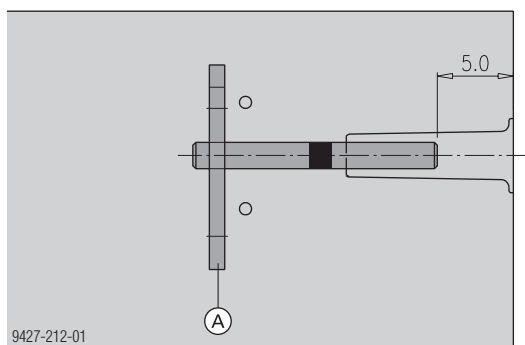
- **Warning** against not screwing in the parts (e.g. stop anchors or pigtail anchors) far enough into the positioning cones: This may subsequently lead to reduced load-bearing capacity and to the failure of the suspension point - resulting in injury and damage.
- Always screw in components until they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



- A Stop-anchor 15.0
- B Cantilever positioning cone 15.0/5cm
- C Super-plate 15.0
- D Tie-rod 15.0
- E Form-ply
- F Depth mark

Finished positioning-point



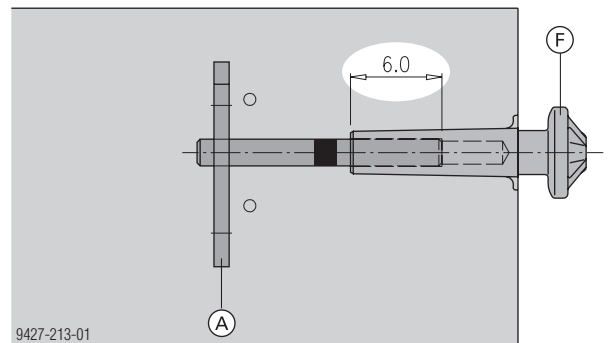
- A Stop-anchor 15.0

Preparing the suspension point



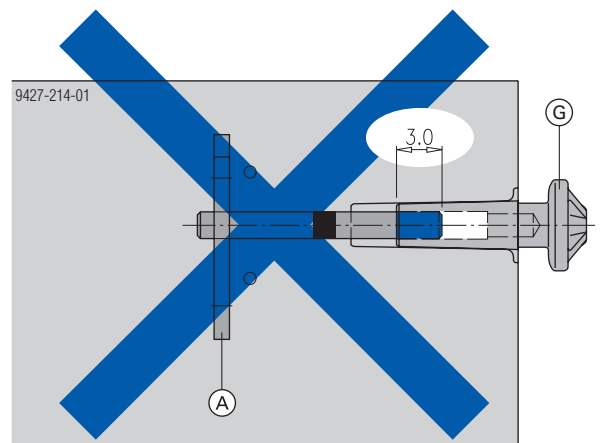
- **Warning** against not screwing in the suspension cones sufficiently far: The resulting reduction in the load-bearing capacity may cause the suspension point to fail, leading to injury and damage.
- Never mix components that have different depths of concrete cover - this causes the screw-in depths 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



- A Stop-anchor 15.0
- F Suspension cone 15.0/5cm

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



- A Stop-anchor 15.0
- G Suspension cone 15.0

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!