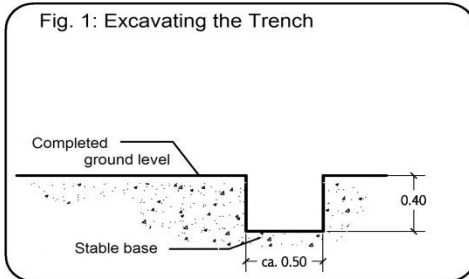


GUIDELINES FOR POSITIONING FIRMUSFIXED GABIONS MEASURING 100x23x250 CM

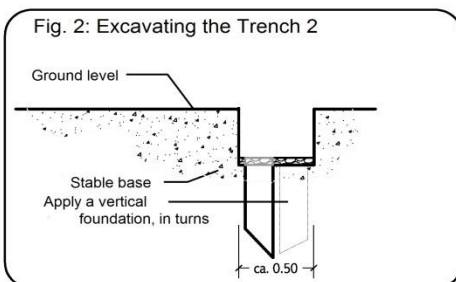
Guidelines for positioning FirmusFIXED gabions measuring 100x23x250 cm. The basket itself is a freestanding item that can be placed onto a flat surface with an adequate load bearing capacity. Working height: ca. 225-230 cm.

Fig. 1: Excavating the Trench



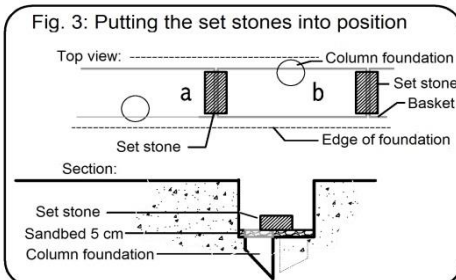
Stake out and excavate the foundations:
width ca. 50 cm, depth ca. 40 cm.
Apply a compacted, flat bed of sand.

Fig. 2: Excavating the Trench 2



For lengths without corner connections
and/or those longer than 15 m¹, you need
to suspend hook anchors ca. 80 cm into
the foundation to prevent collapse.

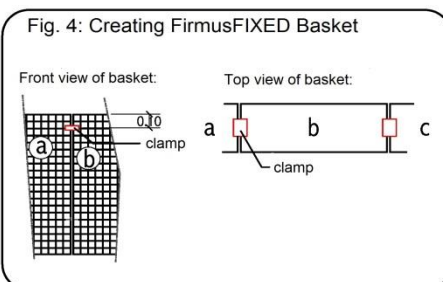
Fig. 3: Putting the set stones into position



Put the concrete paving blocks into
position.

These blocks should be levelled at the
height of the short side of the baskets
(centre to centre ca. 100 cm from each
other).

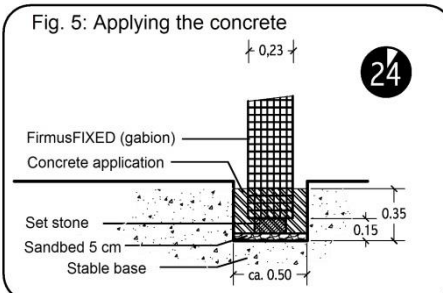
Fig. 4: Creating FirmusFIXED Basket



Pick up the baskets and position them on
the set stones. Link the baskets to each
other with the clamps supplied.

Fix and brace them in the correct position.
1 clamp per basket.

Fig. 5: Applying the concrete



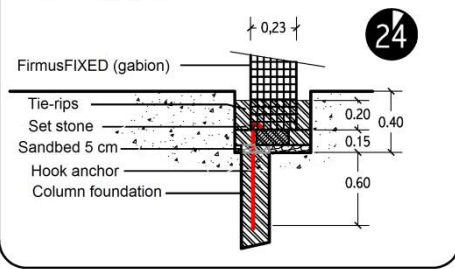
Apply the concrete to 3 cm below ground
level.

Compact well using a vibrating cylinder.
Concrete should be compliant with NEN-EN
206-1.

Leave the concrete to harden for 24 hrs.

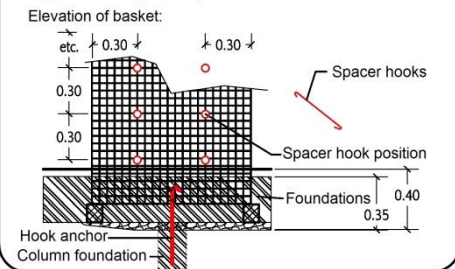
GUIDELINES FOR POSITIONING FIRMUSFIXED GABIONS 100x23x250 cm (cont.)

Fig. 6: Applying the concrete



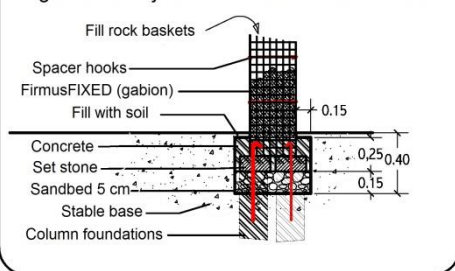
Attach the vertical columns to strengthen and stabilize the baskets. Make the slot in the trench, near the middle of each basket:
- depth ca. 60 cm, \varnothing ca. 15 cm
(place zigzag-wise in the foundations trench).

Fig. 7: Fitting the spacer hooks



For stone gabions 250 cm high, 12 spacer hooks should be placed in the positions shown in the diagram. Combine inserting these spacer hooks with filling the baskets.

Fig. 8: Final adjustments FirmusFIXED basket



Fill the basket with the desired material. Ensure it is well distributed. During filling, protect the spacer hooks with a temporary overhead bar to prevent any damage.

TIPS:

- The welded seams of the two baskets should never be positioned so that they run against each other, this is to prevent an offset!"
- The height of the baskets is also determined by the thickness/height of the set stones
- The depth of the concrete base/foundations must be at least 20 cm
- The baskets should be inserted at least 10 cm into the concrete
- Using washed stones saves a lot of mess and effort afterwards
- Take any cables, pipes and structural elements into account before filling the baskets
- Best results are obtained when the baskets are filled with a filling material size of 60 to 100 mm

ADDITIONAL INFORMATION:

- FirmusFIXED gabions are available in heights of 50, 100, 150, 200 and 250 cm
- Standard cover plates are available with a width of 23 cm
- Different application methods or surfaces with an inadequate load bearing capacity need a different approach to positioning. For more information see www.firmusproducts.eu or contact your supplier.

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