

# INSTALLATION MANUAL

## Gabion Box

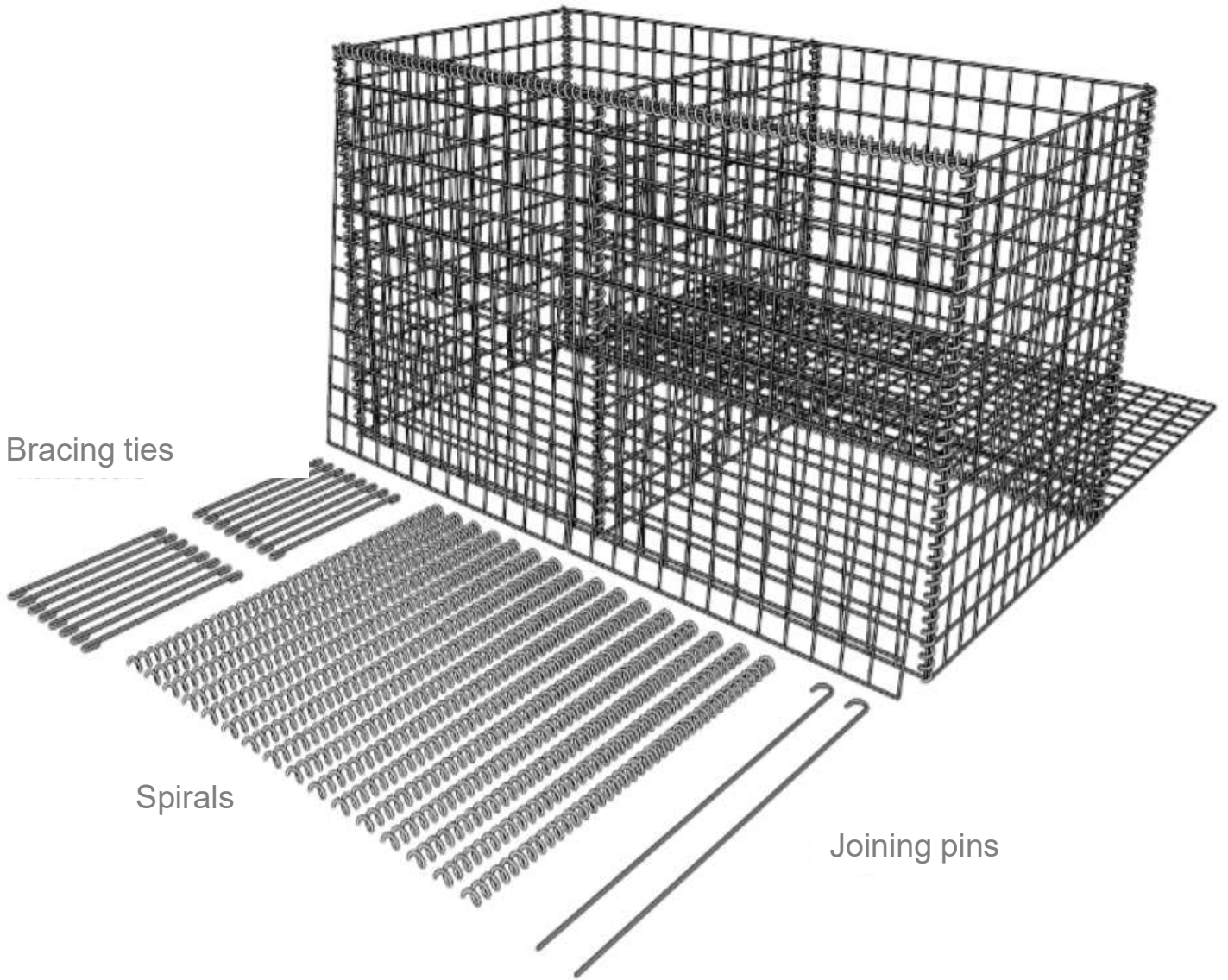
Pre-assembled gabions are delivered flat packed for an easy storage and installation.



# 1. Delivery



Pre-assembled box



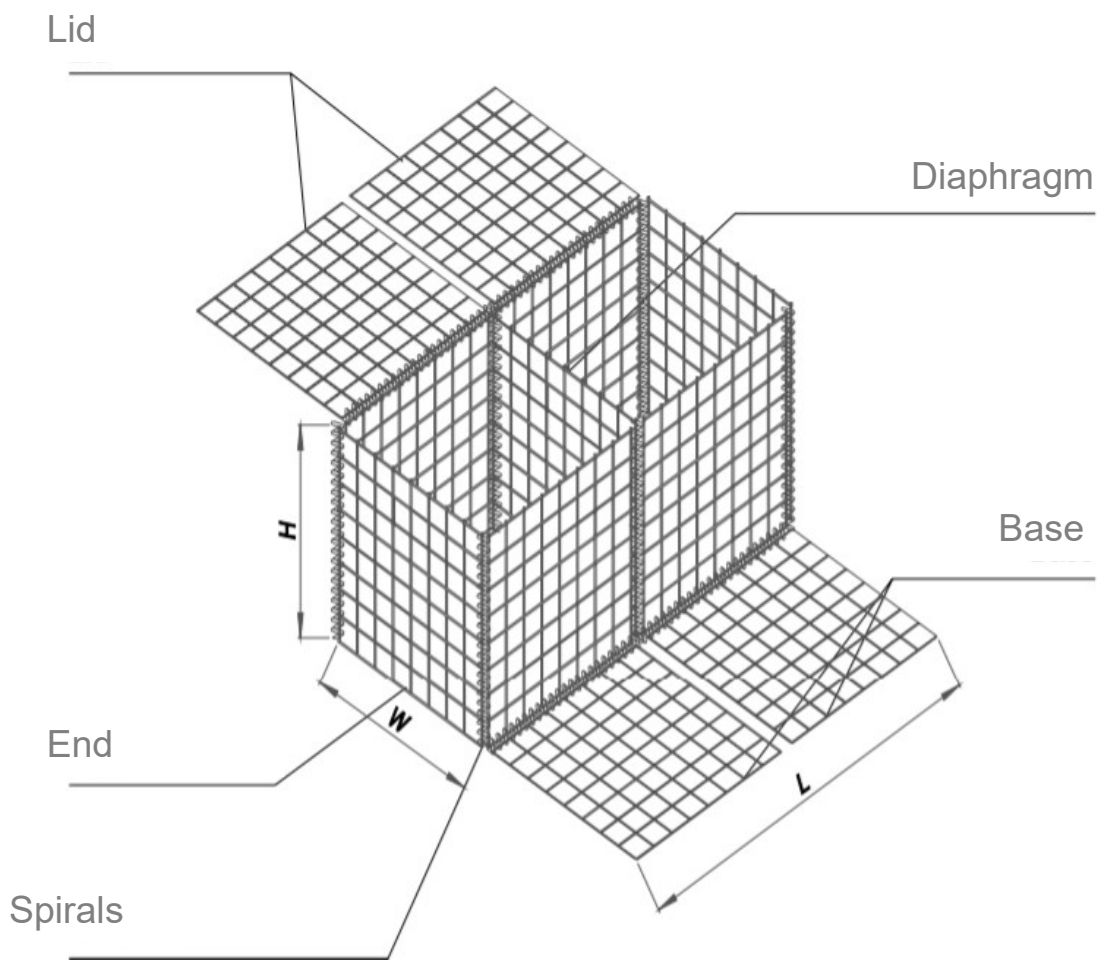
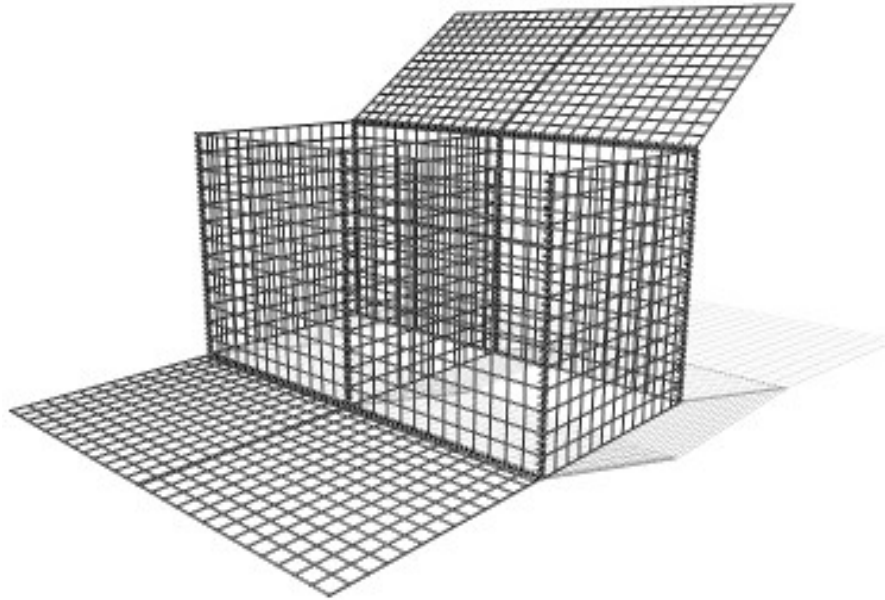
Bracing ties

Spirals

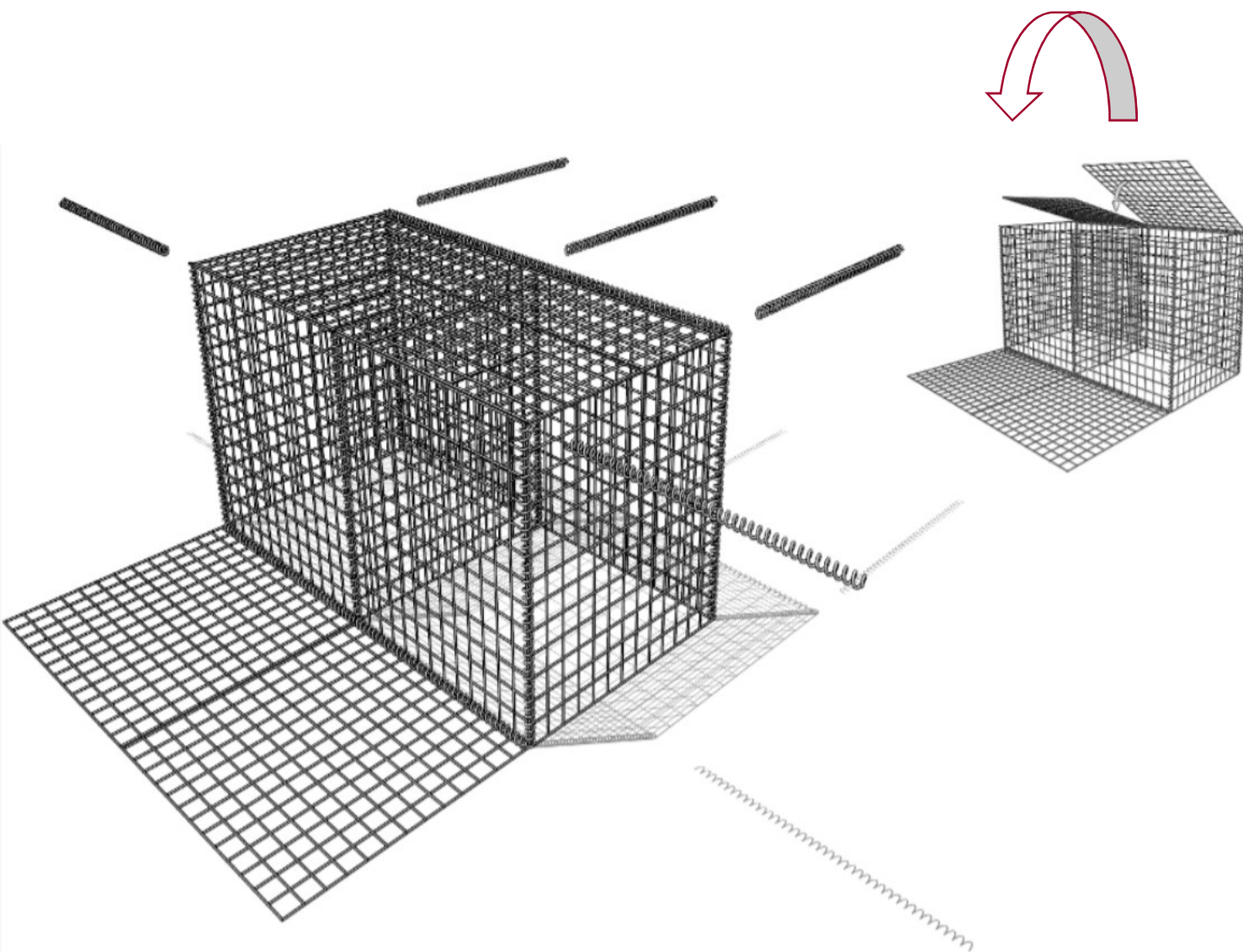
Joining pins



## 2. Unfold the Gabion

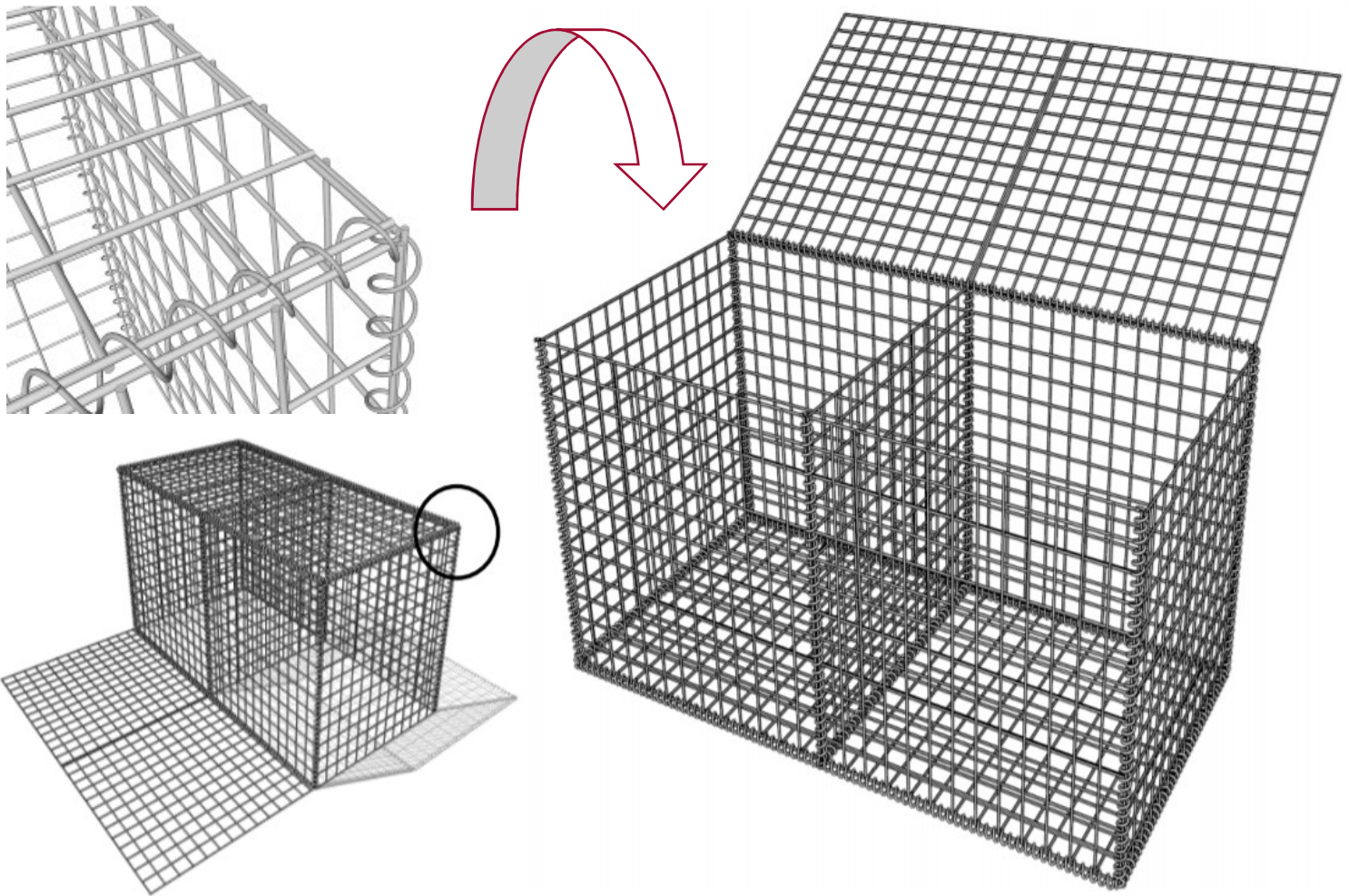


### 3. Close the lid and insert the spirals



**ADVICE** For safety reasons, twist the spiral ends inwards.

#### 4. Flip the gabion over

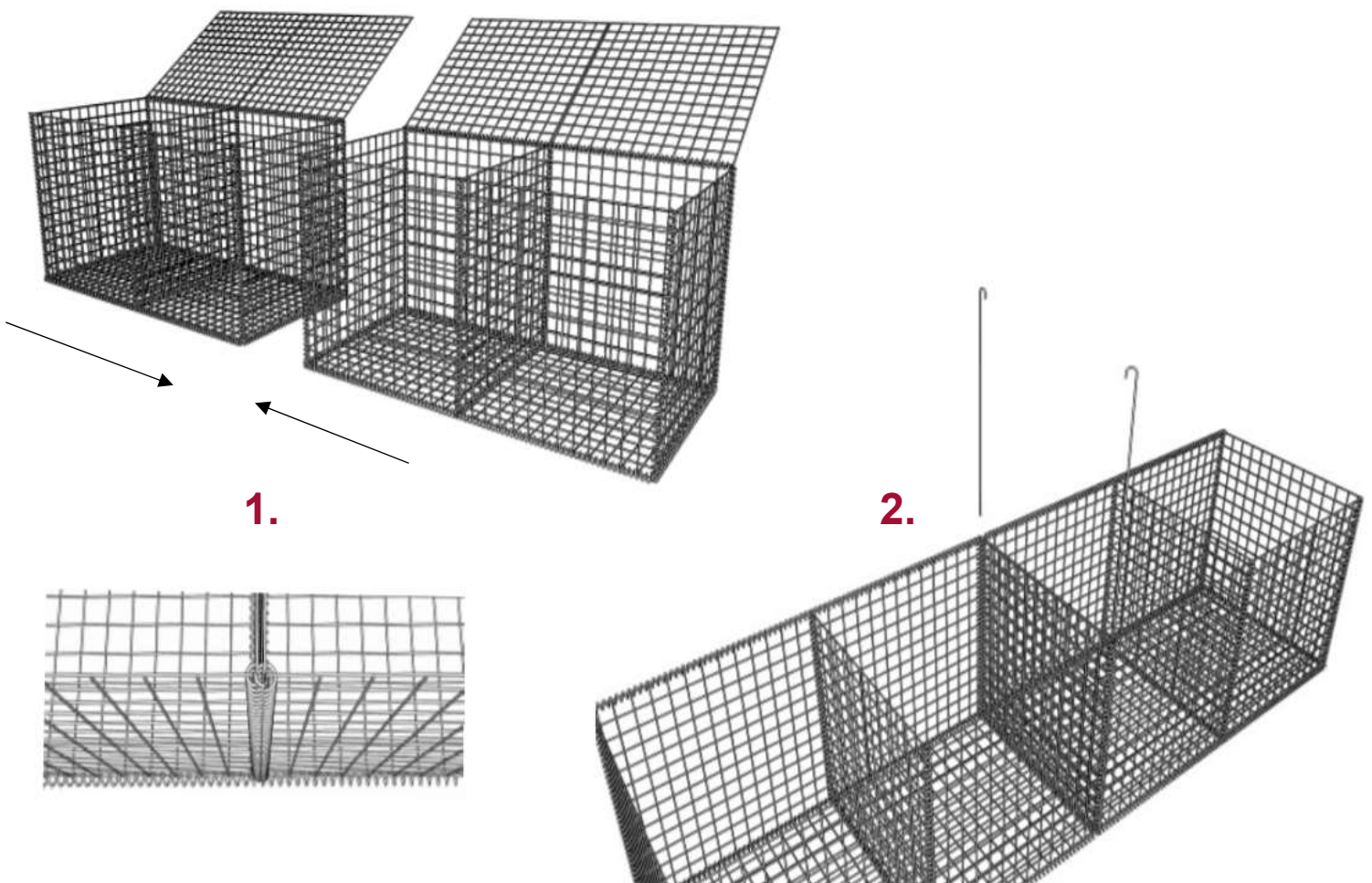


Once the spirals are correctly installed, flip the gabion over.



## 5. Connect the gabions

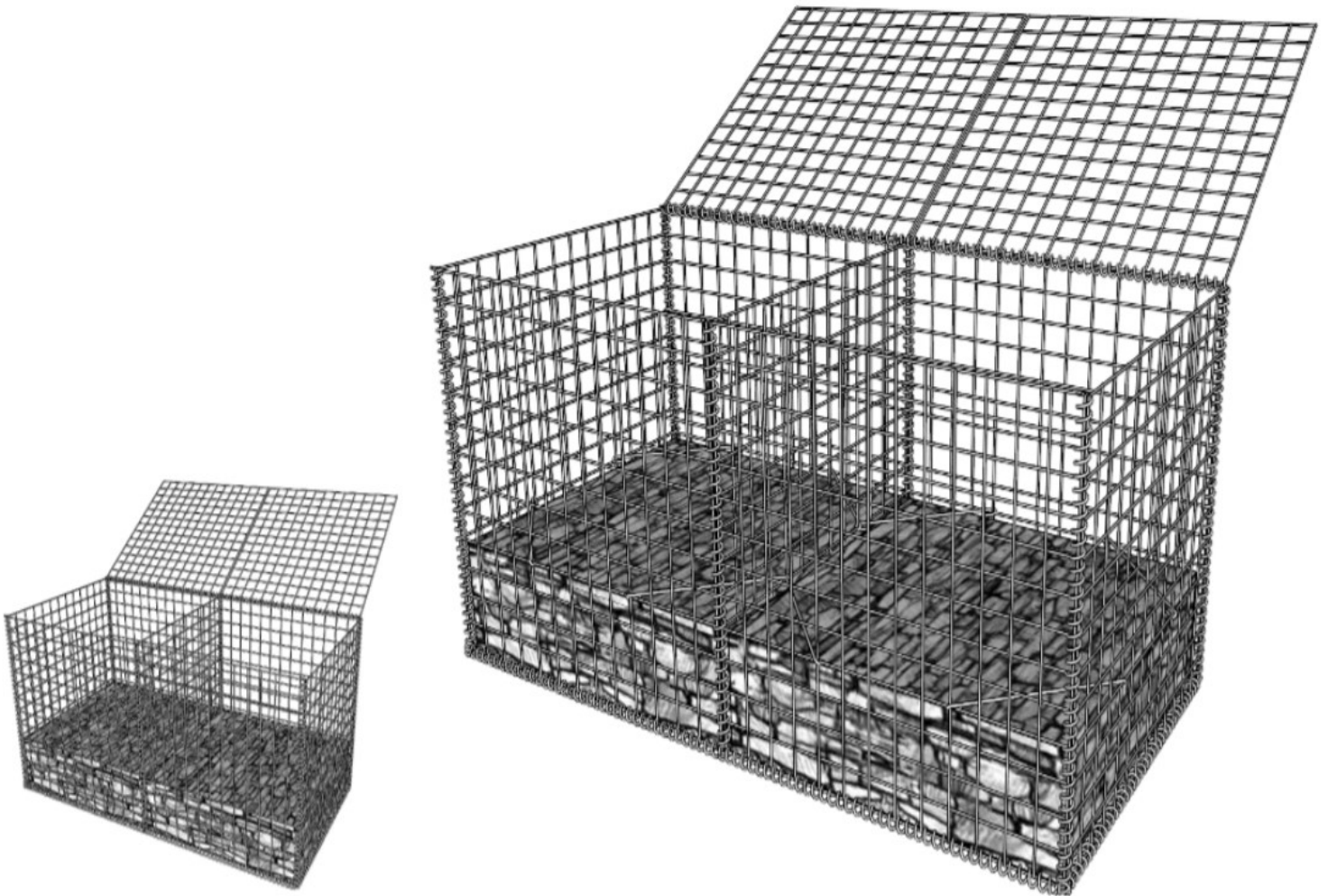
- **STEP 1.** Clasp the spirals of two boxes together.
- **STEP 2.** Insert the joining pins with the ends facing inwards.



**ADVICE** Successive rows of gabions need to be connected with each other and the horizontal connection must be executed. It's a rather difficult and accurate job but **ESSENTIAL** for the stability of the construction.

## 6. Fill the gabion

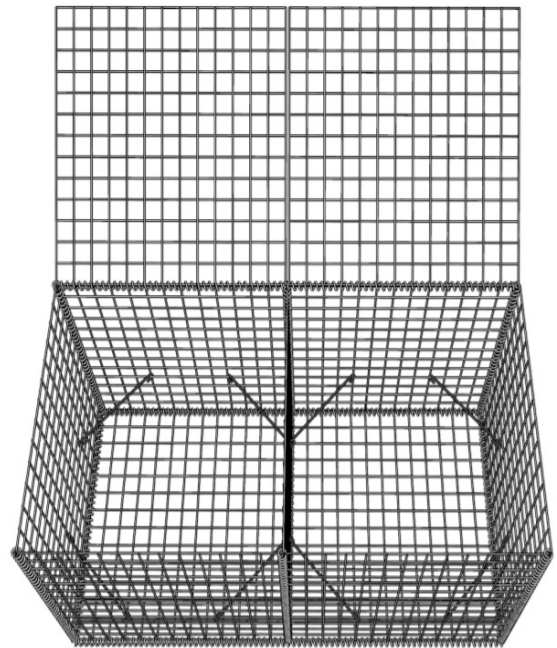
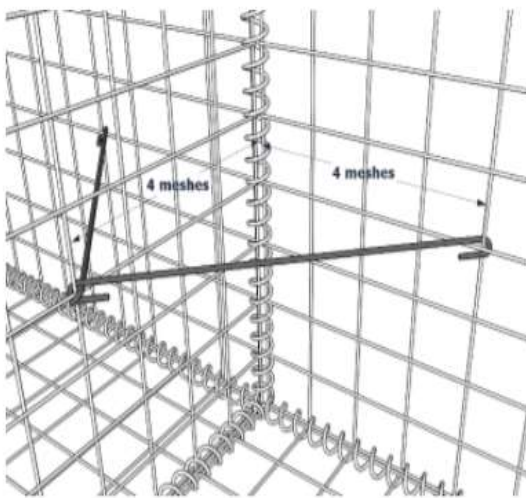
- Fill in the gabions to 1/3 of the height.
- Attach bracing ties around the welds (see next page)



## 7. Place the bracing ties according to the height of the gabion

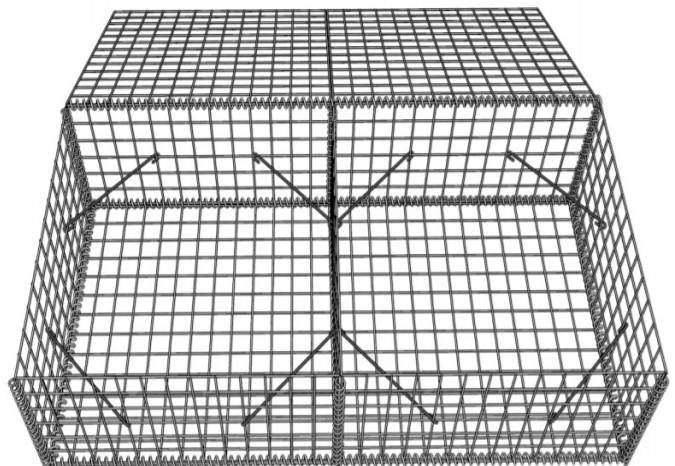
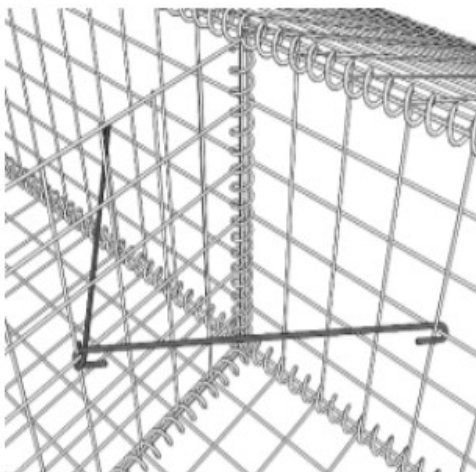
### Type 1 bracing ties – height >1m

- Apply bracing ties in the corner of the box (45°) at 1/3 and 2/3 of the height, on a 4 mesh length.



### Type 1 bracing ties – height <0.5m

- Apply bracing ties in the corner of the box (45°) at 1/2 height, on a 4 mesh length.

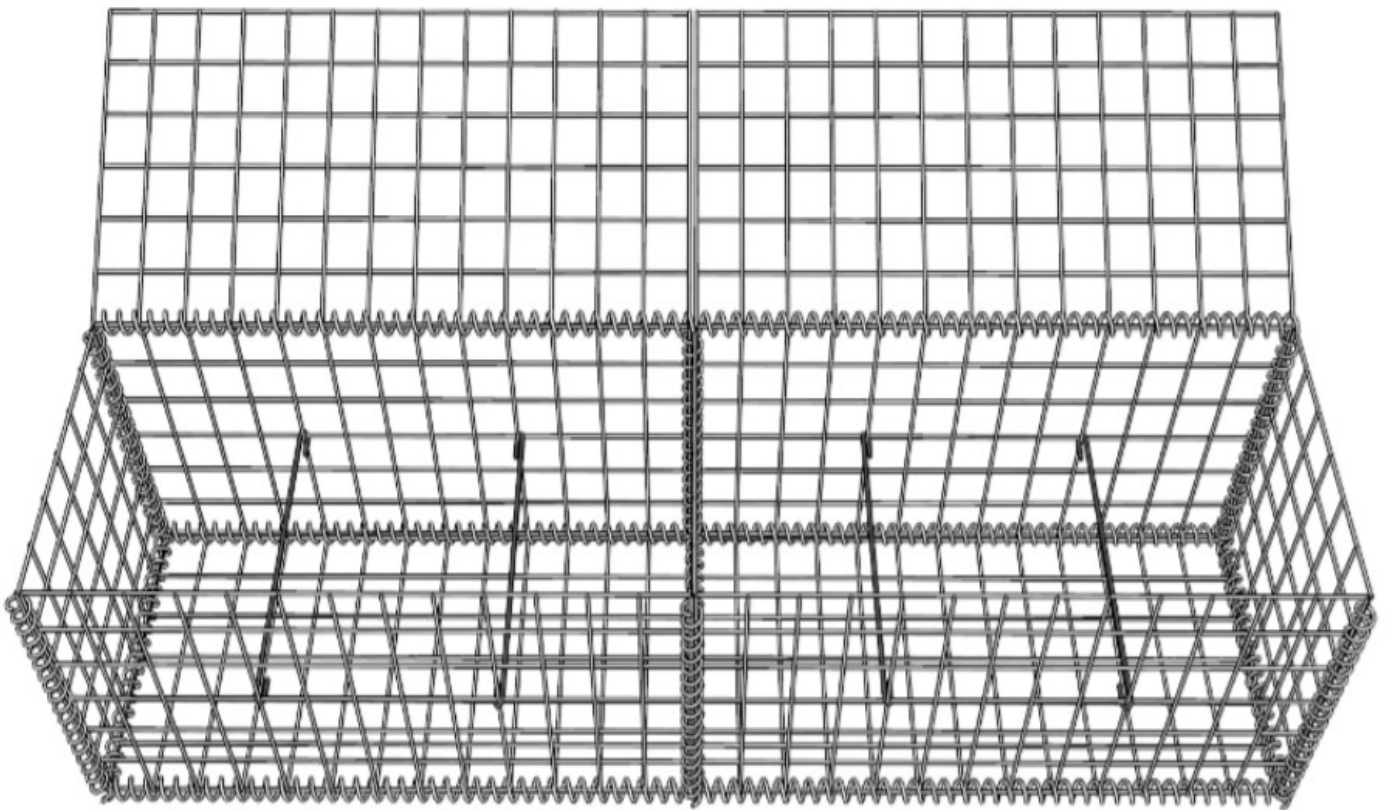




## 7. Place the bracing ties according to the height of the gabion

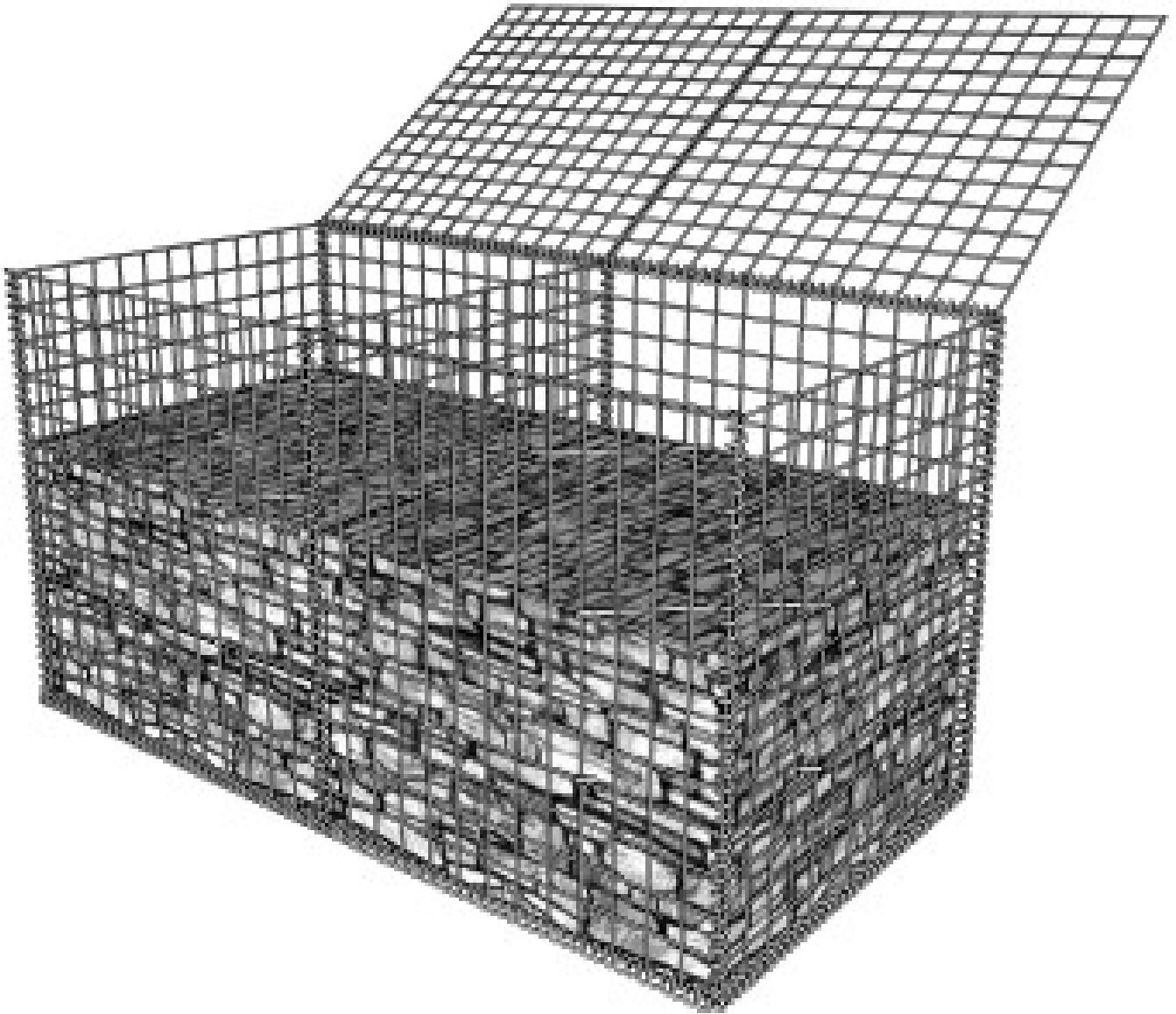
### Type 2 bracing ties – length <math><0.5\text{m}</math>

- Apply bracing ties facing forward, leaving 4 meshes on each side.



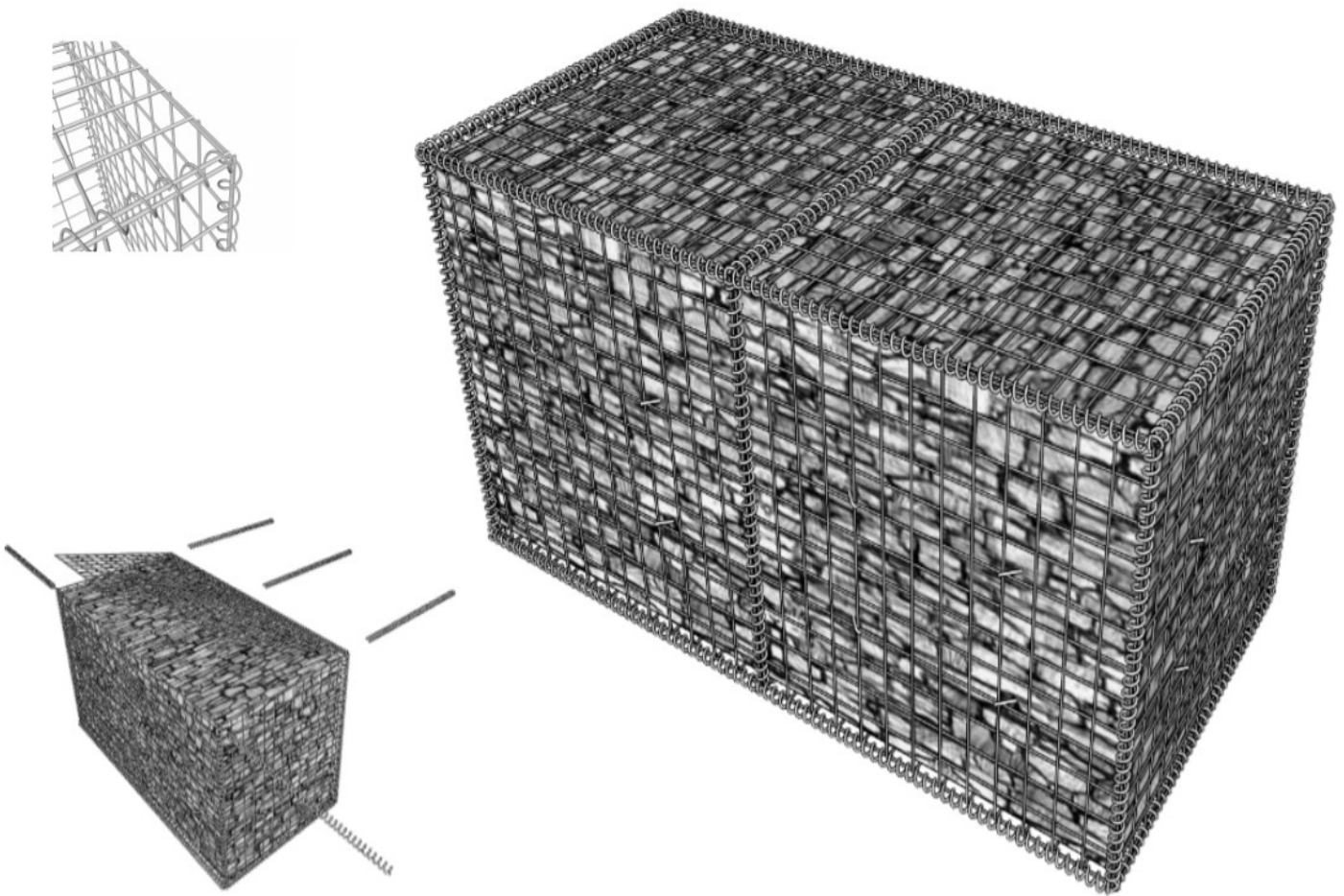
## 8. Continue to fill in the gabion

Fill in the gabion to 2/3 of the height and apply bracing ties again.





## 9. Finish the filling and close the lid with the spirals



**ADVICE** Always finish by twisting the spirals inwards to avoid any injury or the unscrewing of the spirals.

## 10. Finished gabion wall



### **DISCLAIMER**

*Betafence's liability is limited to any damage for which and insofar as Betafence could be held liable in accordance with imperative legal stipulations. Indirect damage (including consequential loss) and/or immaterial damage is / are excluded.*

*Betafence is not liable for any damage caused during or as a result of the installation, or for any damage due to incorrect or incomplete installation.*

*The installation instructions must be followed strictly. If you should have insufficient skill to install these yourself, you are advised to ask a professional for assistance.*



**Find this manual online:**

[betafence.com/en/gabions-box-0](https://betafence.com/en/gabions-box-0)

**Visit our website:**

[betafence.com/en](https://betafence.com/en)

**Contact us:**

[betafence.com/en/contact](https://betafence.com/en/contact)

**Updated version 2020-08**

Proud to be a PRÆSIDIAD brand, Betafence is part of a global network, working alongside Guardiar and Hesco as leaders in perimeter security systems and solutions.

For more information, please visit [praesidiad.com](https://praesidiad.com)

[Betafence.com/contact](https://Betafence.com/contact)