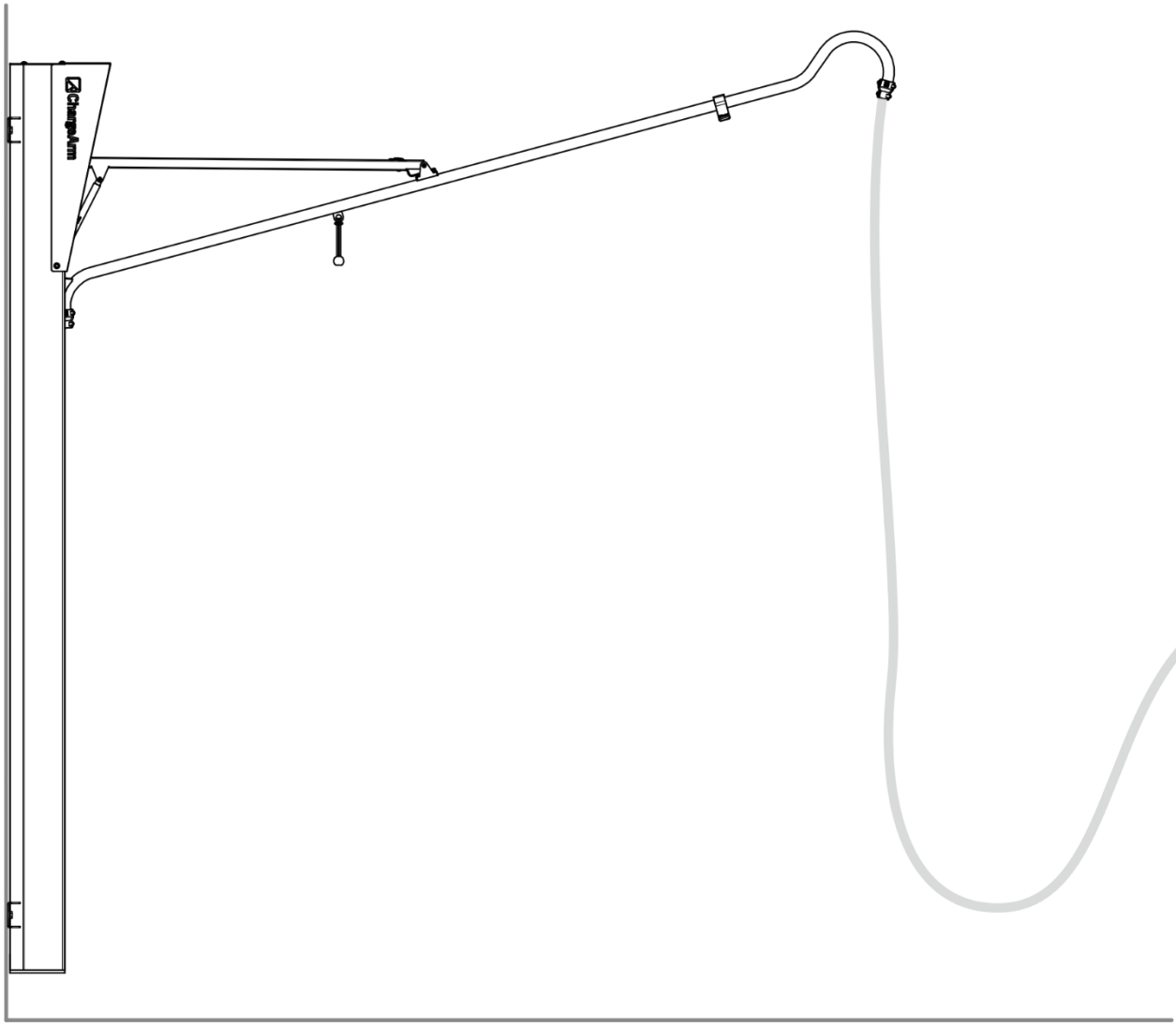
ChargeArm

Installation Document:
Wall mounted ChargeArm
English (serial# from 0025 onwards)



ChargeArm

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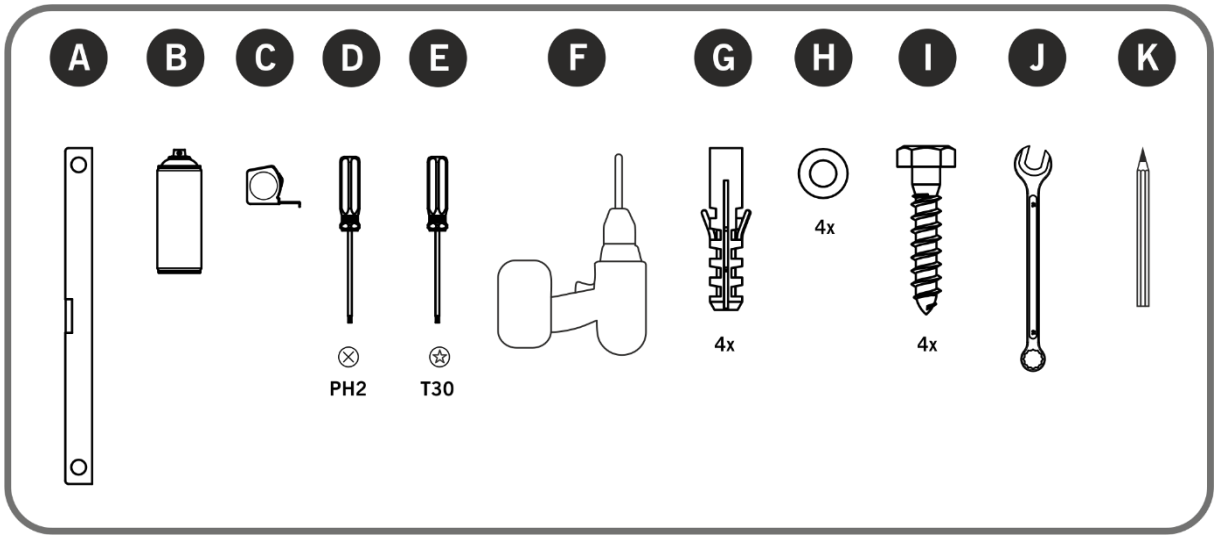
1. Before you begin

Read this document thoroughly before you install and use the product.
Bear the following instructions in mind:

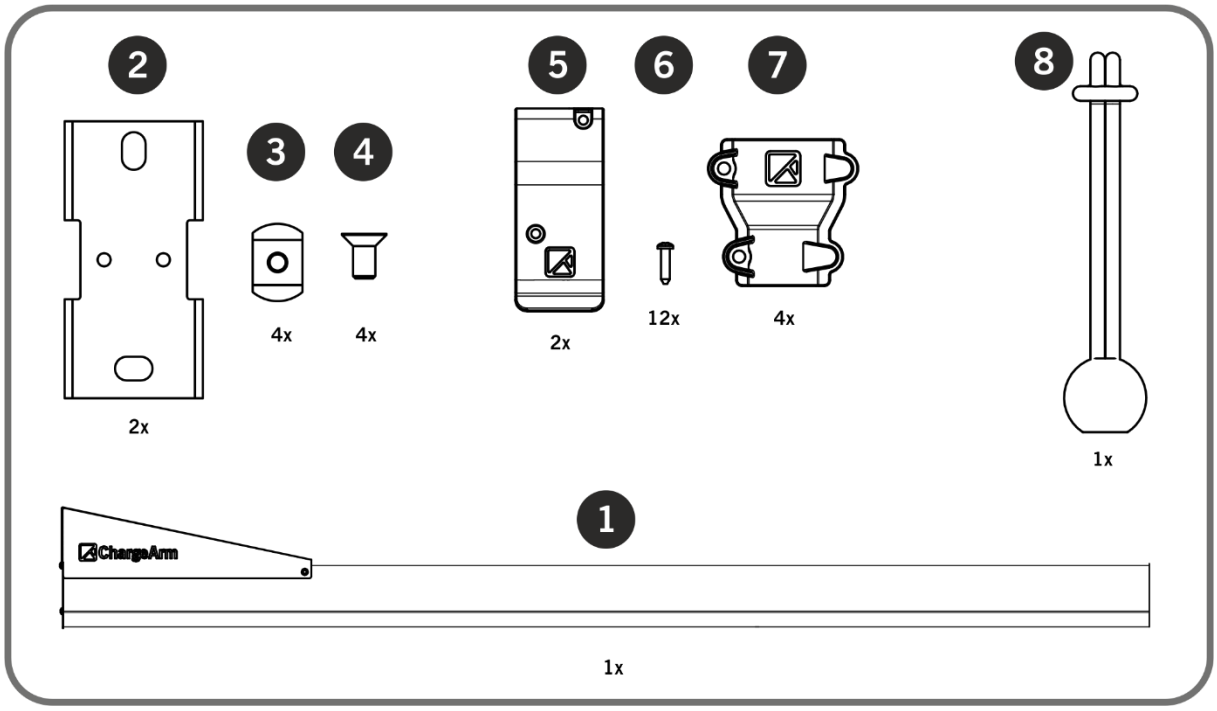
- The installation of this product must be executed by a trained professional.
- Electrical connections may only be executed, repaired and maintained by a certified. electrician. All relevant local, regional and national electrical regulations must be respected
- Incorrect installation may lead to damage or injury.
- All installation components must be suitable for the specific application, location and requirements of this product.
- This product must be mounted in a permanent/solid location.
- Depending on the type and positioning of the installation, permission may be needed from appropriate authorities.
- The wall on which the ChargeArm is mounted must provide sufficient support for the forces and stresses which occur during installation and use of the product.
- The charge cable and charge box are not included with this product.
- The ChargeArm is only compatible with a 3-Phase – 32A charge cable.
- ChargeArm is not responsible for any damage to pipes, walls and other items that may be damaged during the installation of the wall brackets and/or ChargeArm.

2. Necessary tools/components



A. Spirit level
B. Vaseline spray (300 ml) (eg. Griffon Vaseline spray 300 ml)
C. Tape measure : 3 meter
D. Torx screwdriver : T15
E. Torx screwdriver : T30
F. Electric drill with the correct drill for the combination plug and wood bolt
G. Wall plug suitable for correct type of wall and wood bolt
H. Stainless steel flat washer suitable for the wood bolt
I. 8 or 10 mm stainless steel wood bolt with the correct length plug and wall
J. Mounting tool for wood turning bolt
K. Pencil

3. What is in the box?



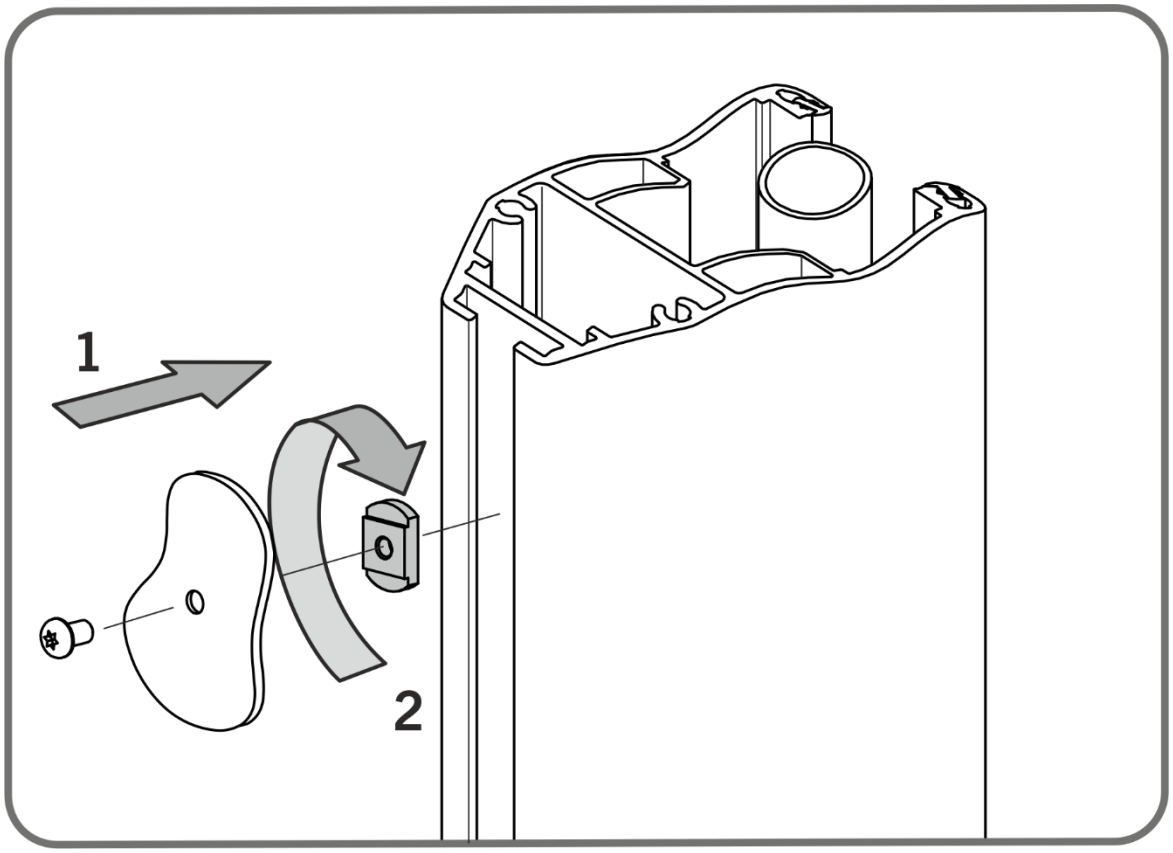
1. ChargeArm
2. Wall bracket
3. Sliding nut : M6
4. Countersunk screw M6 x 12 mm – T30
5. ChargeArm cable clamp
6. Screw : 3,5 x 10 mm – T15
7. Strain relief
8. Pull Cord

4. Opportunities for mounting accessories & interfaces

There is a vertical groove on the rear of the ChargeArm that has been created to provide easy fixation opportunities for a variety of accessories.

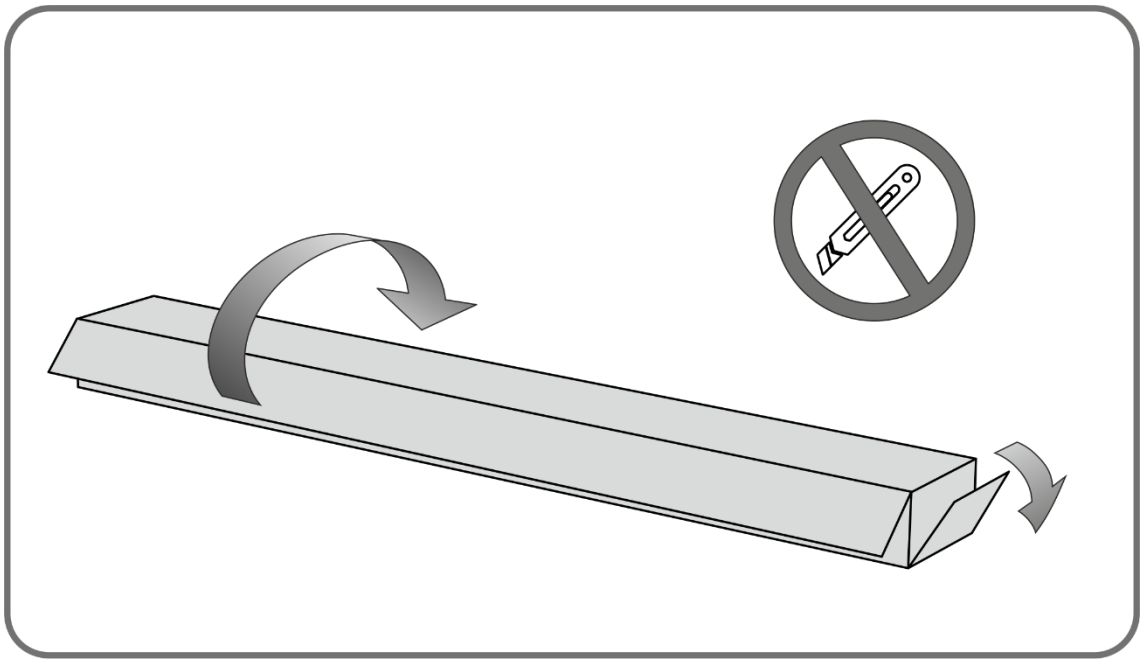
The means of fixation to the ChargeArm accessory groove is as follows:

- Mount a slide nut , chosen accessory, and bolt loosely to each other.
- Place the slide nut (vertical orientation) in the groove on the rear of the ChargeArm.
- Tighten the bolt slowly so that the slide nut rotates 90 degrees. This ensures that the nut cannot exit the groove.
- Pull the accessory you wish to secure outwards so that the nut remains in its place.
- Slide the accessory to the desired height and then firmly tighten the bolt to lock the assembly in position.

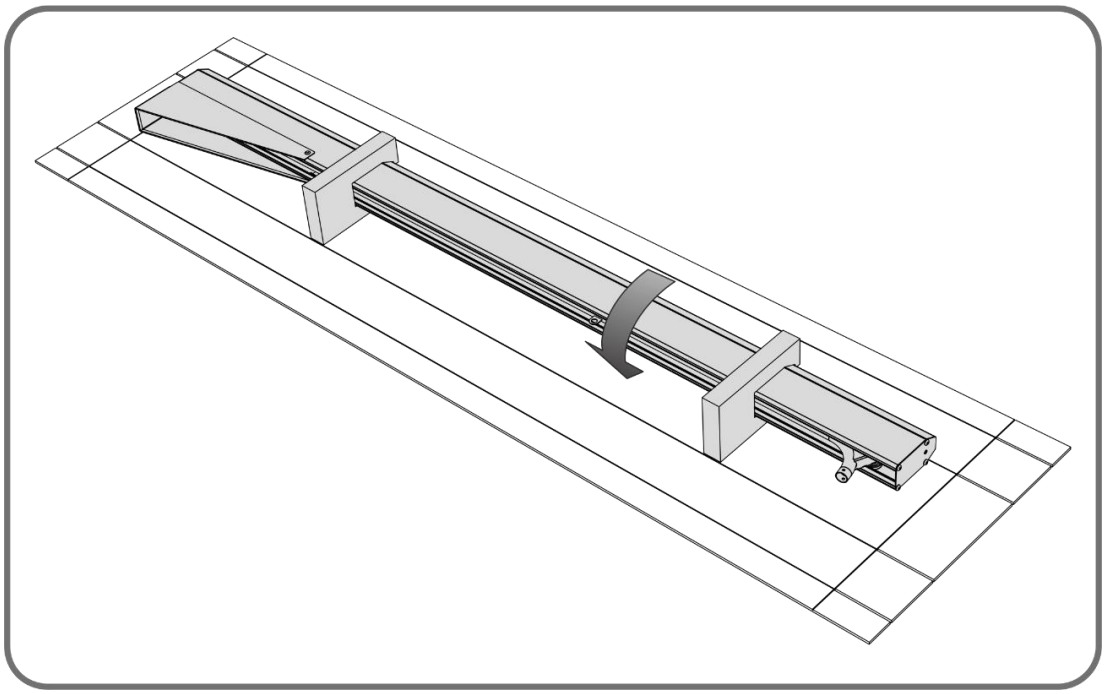


5. Preparing the ChargeArm for installation

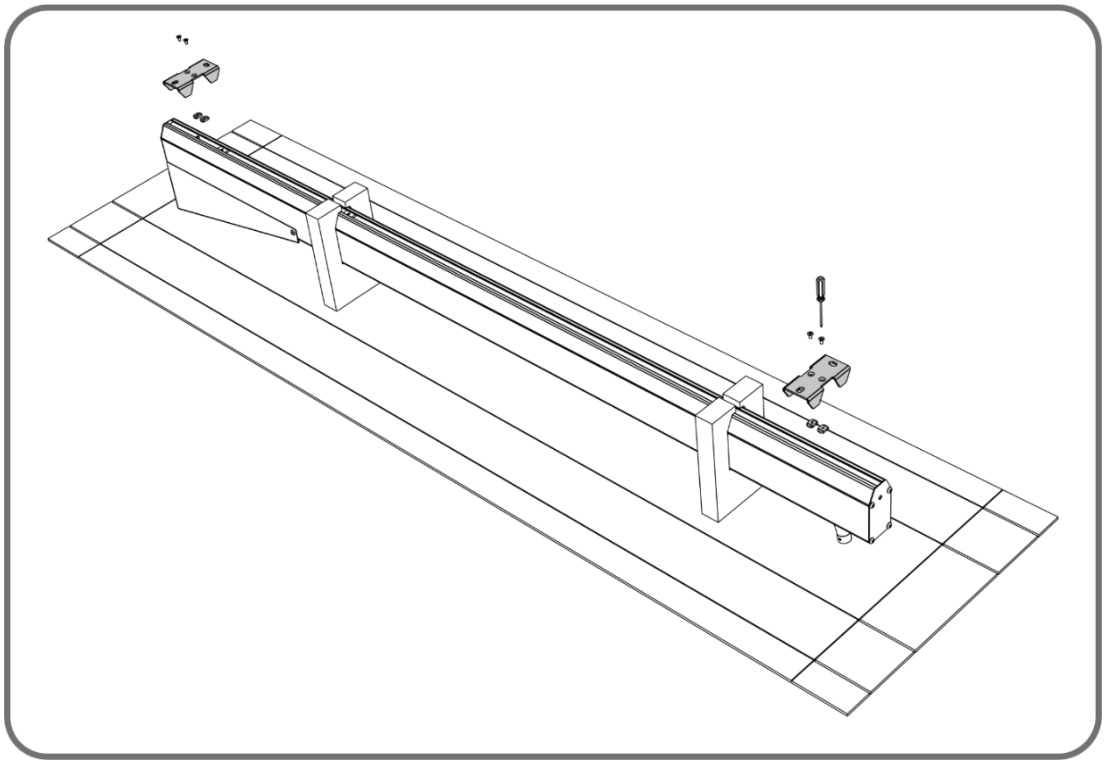
- Do not use a knife or sharp implement to open the box.
- When the packaging has been opened, do not discard it but use it as an underlay to further prepare the product.



- Remove the plastic bag that protects the ChargeArm
- Remount the two packaging buffers as shown in the image below.

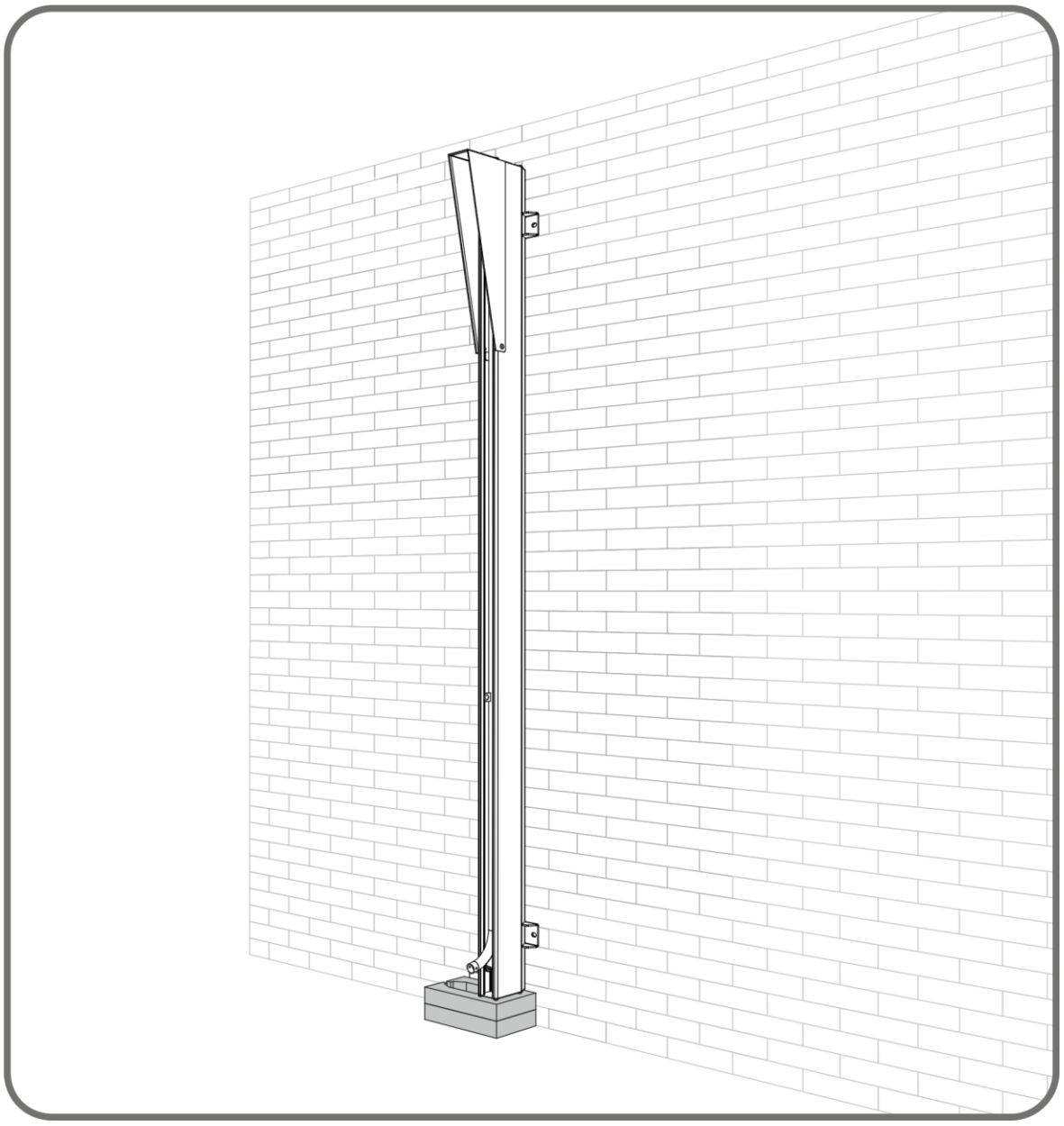


- Flip the ChargeArm and let it rest on the packaging as shown in the image below.
- Mount the included wall brackets ② to the ChargeArm with the sliding nuts ③ and screws ④ as described in Chapter 4. Do not fully tighten the screws to allow the brackets to be adjusted in height.

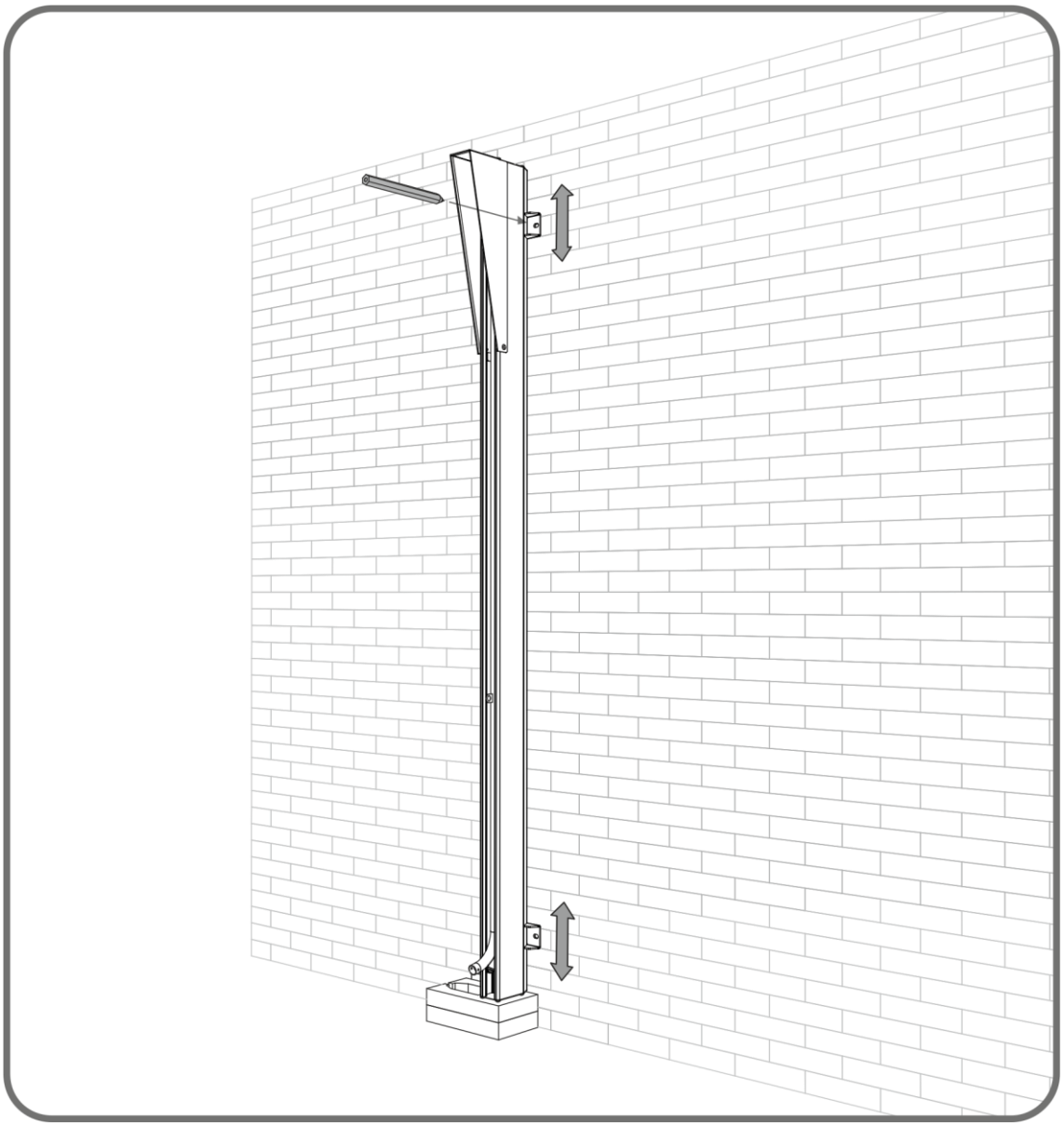


6. Installing the ChargeArm

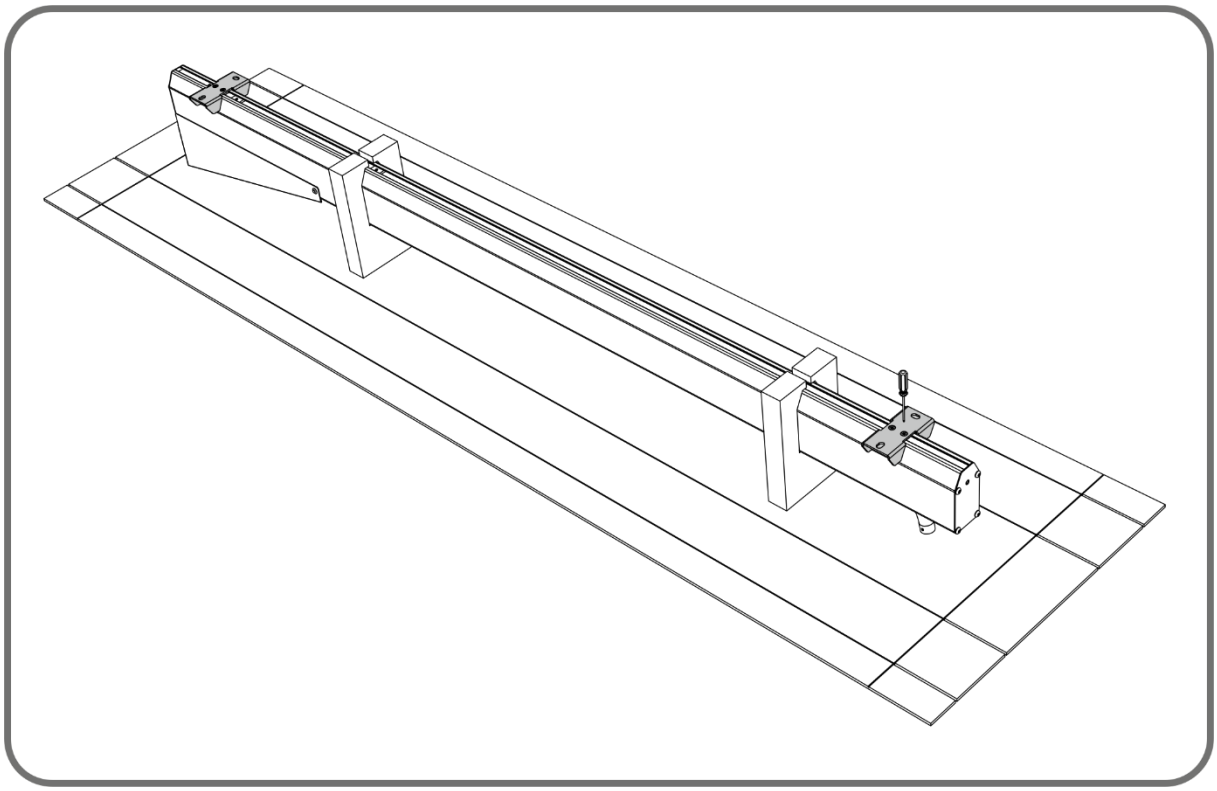
- The following steps should be carried out with 2 people.
- Place the ChargeArm in the desired place against the wall on which it should be mounted. Let the ChargeArm rest on the 2 packaging buffers so that it cannot be damaged and is supported approximately 10 cm above the ground.



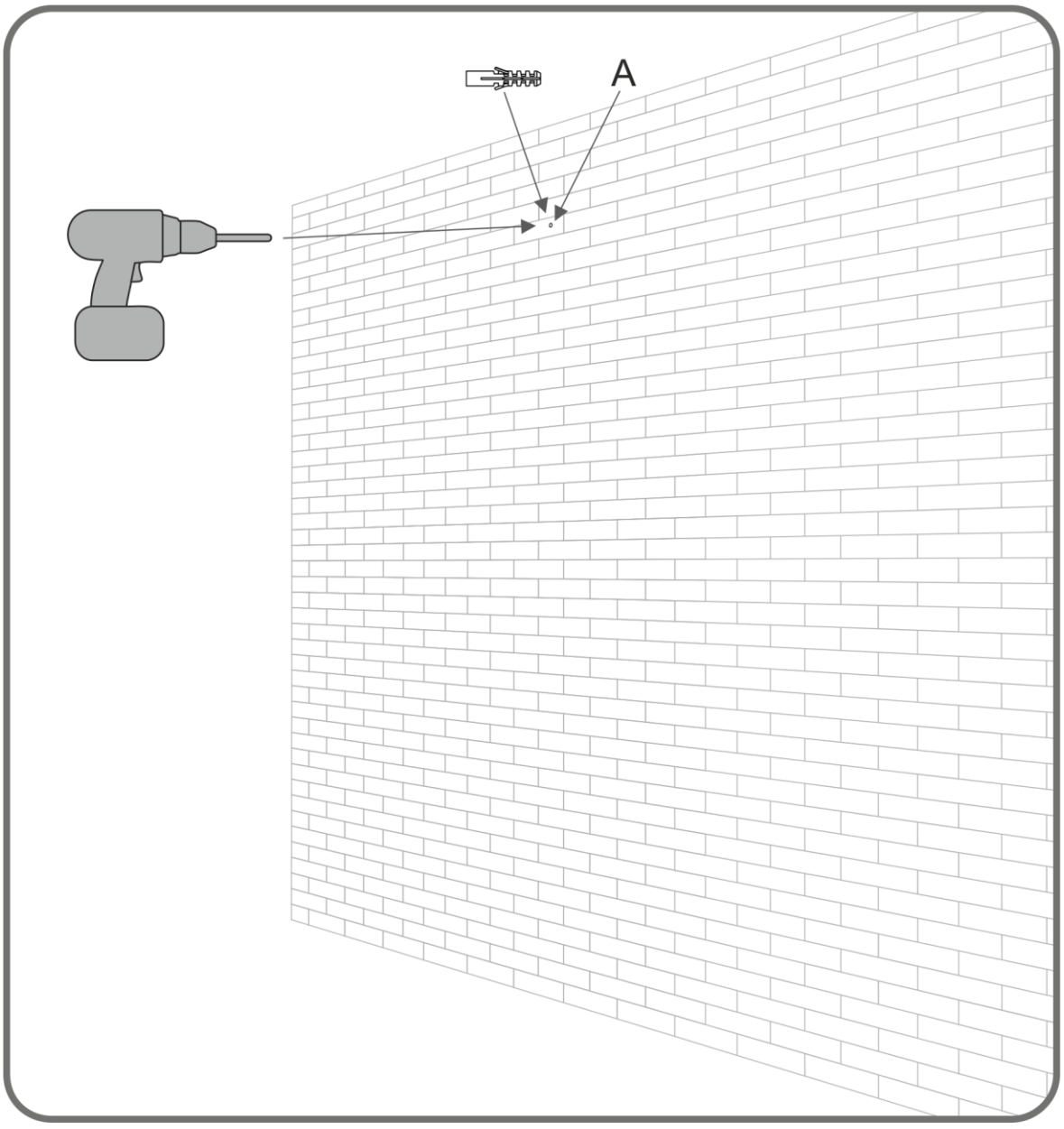
- Move the 2 wall supports to a position where they find sufficient support for mounting on the wall.
- Mark the hole where the top right wall mount should be positioned.



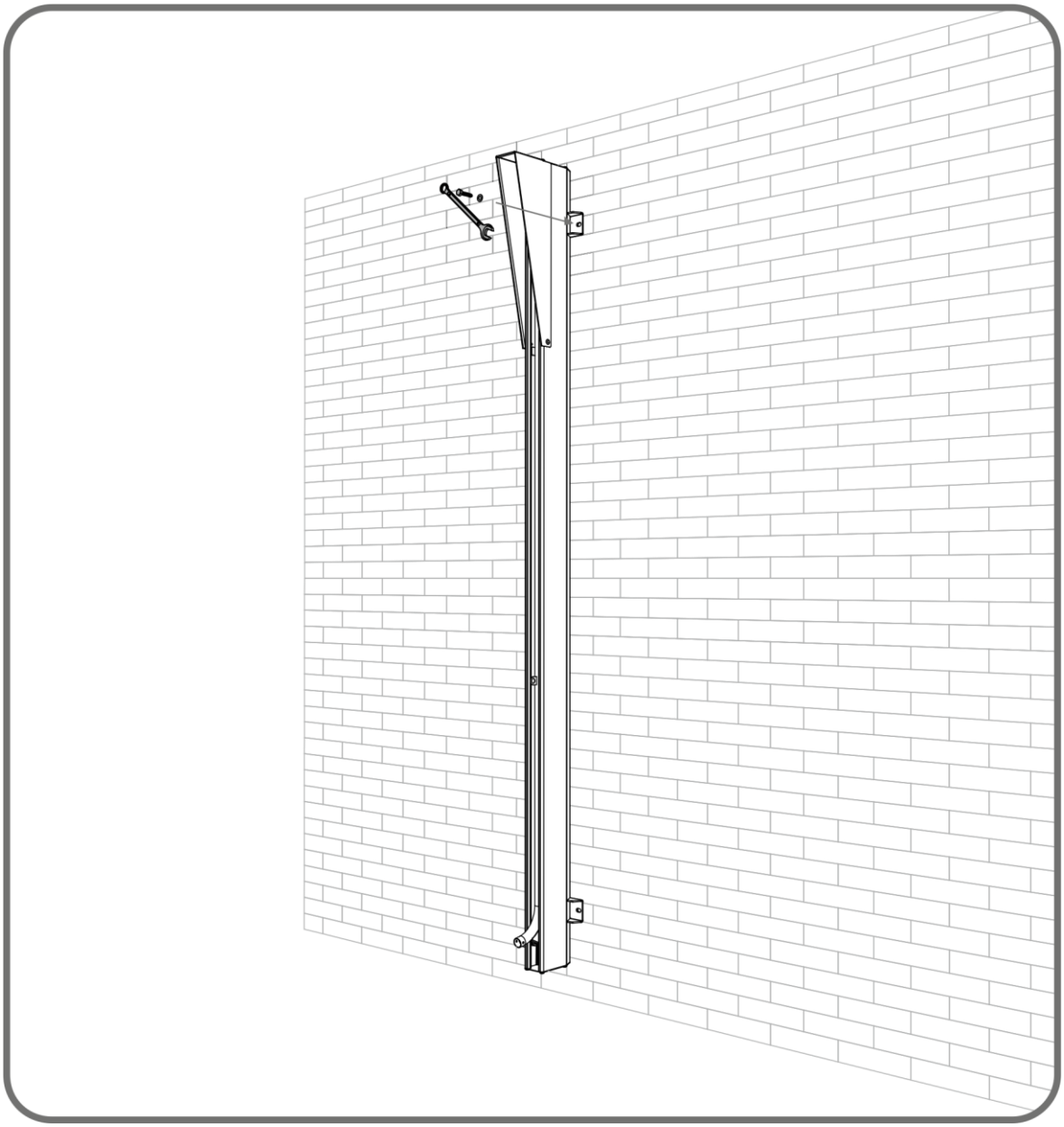
- Remove the ChargeArm from the wall and place it back in the packaging buffers on the cardboard packaging.
- Firmly Tighten the 4 screws of the wall supports.



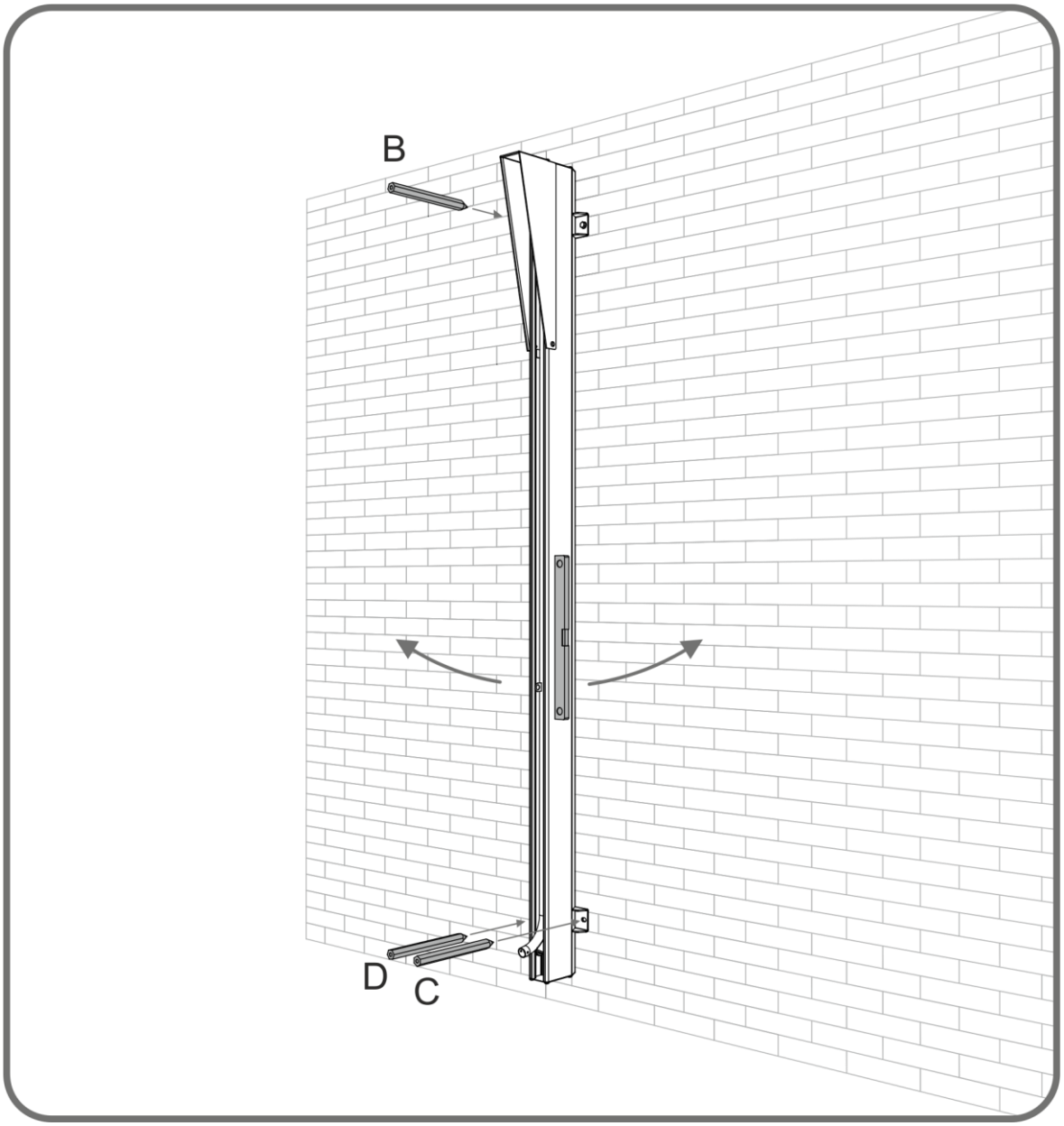
- Drill a hole in the wall in the just-marked spot with the correct diameter and depth for the plug (G) and wood bolt (I)
- Insert the plug (G) into drilled hole (A)



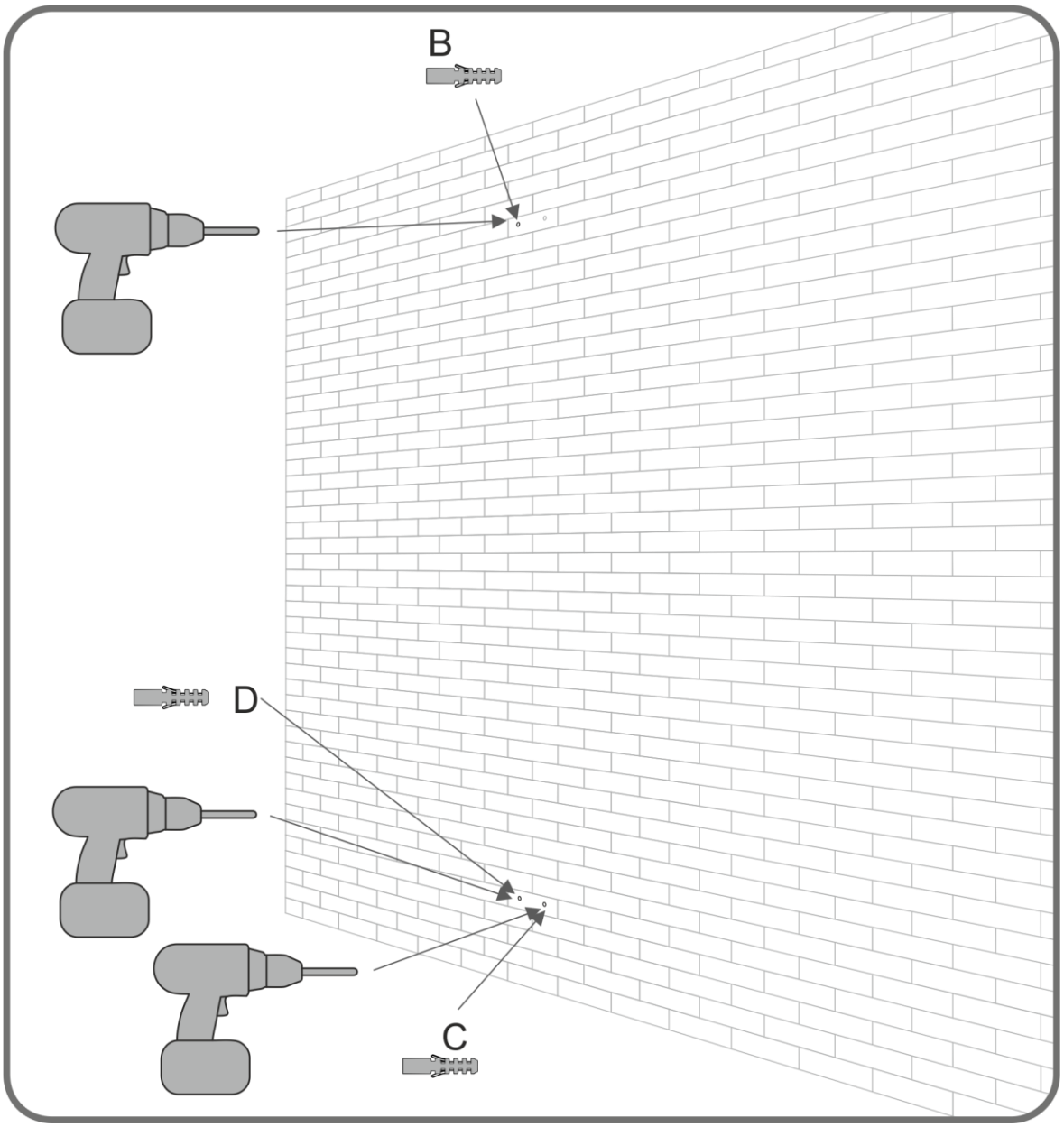
- Mount the ChargeArm on the wall with ring (H) and wood bolt (I) in hole A



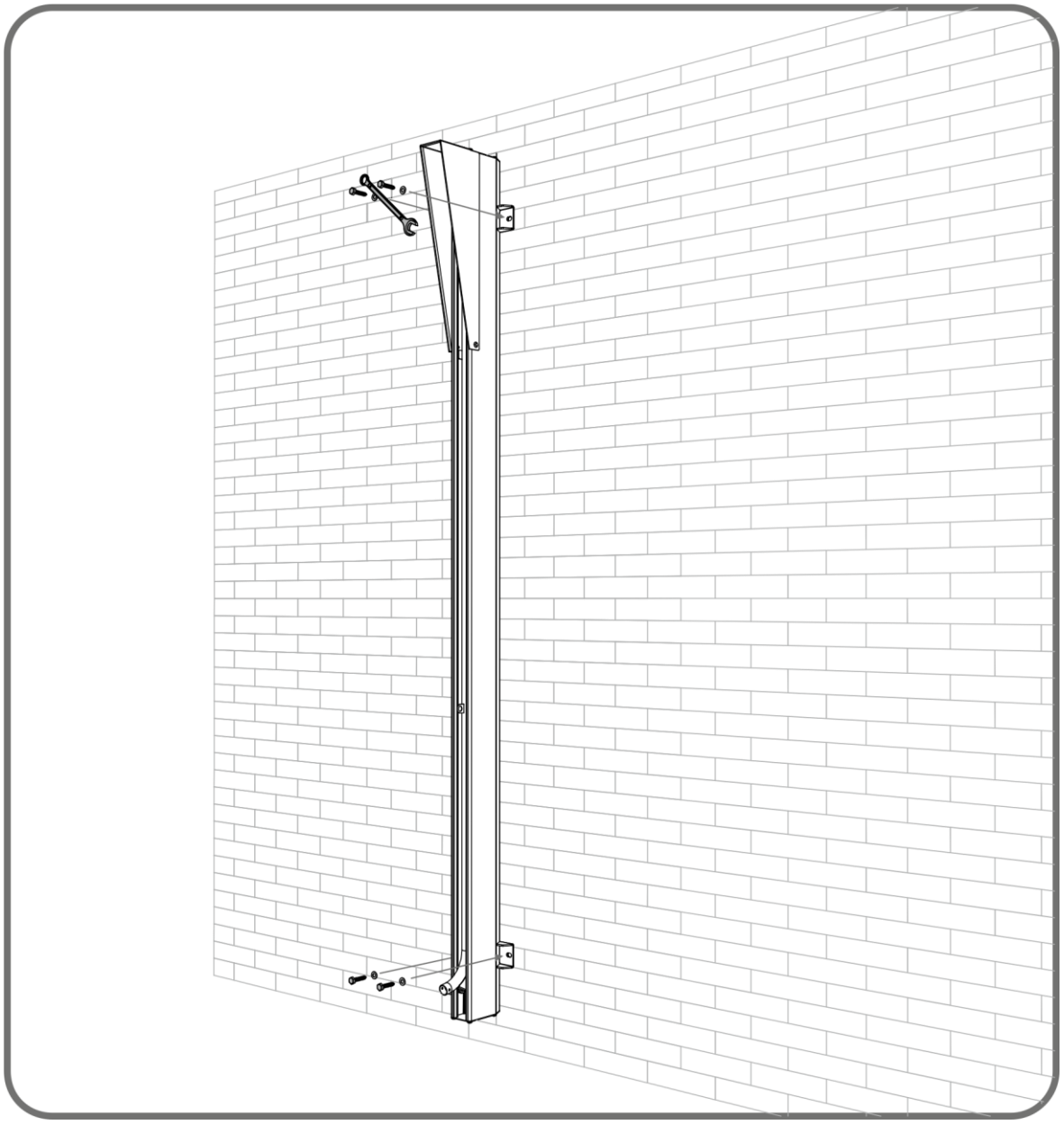
- Use the spirit level to position the ChargeArm vertically on the wall.
- Mark the remaining 3 holes (B, C and D).
- Remove the ChargeArm and place it on the unfolded package.



- Drill the holes in the wall in the just-marked places with the correct diameter and depth for the plug (G) and the wood bolt (I).
- Place the plugs in the drilled holes (B, C and D).



- Mount the ChargeArm on the wall with all 4 rings (H) and wood bolts (I).



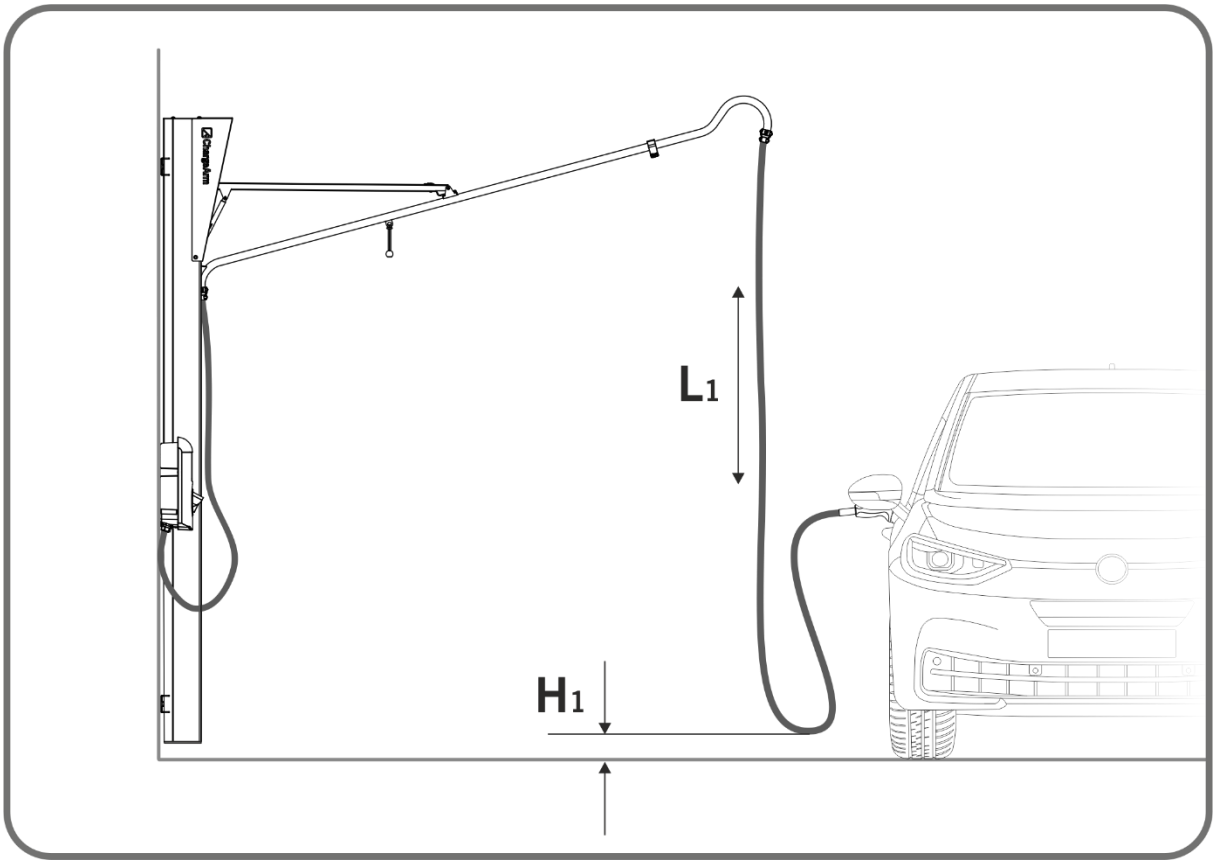
7. Mounting a charge box

- Mount the charging box at a comfortable height and as close as possible to the ChargeArm.

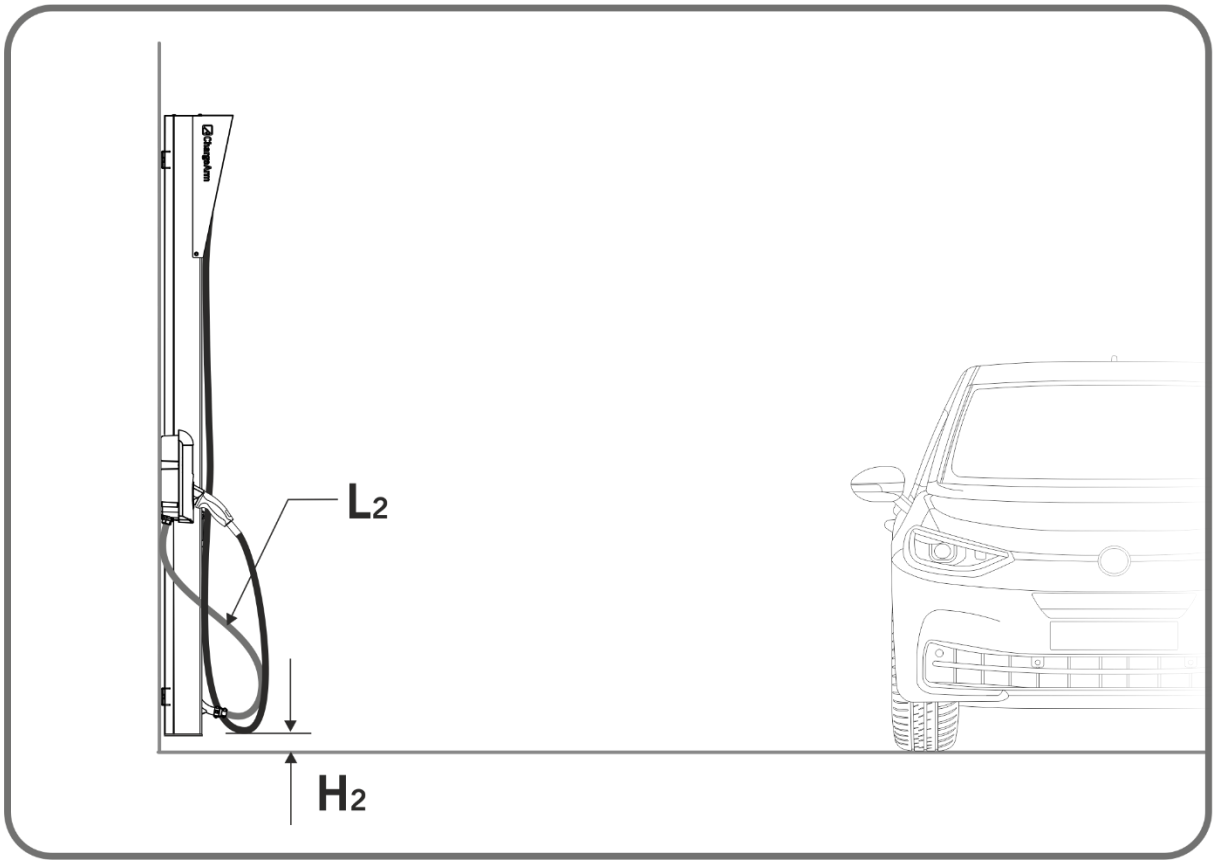
a

8. Feeding through and adjusting the charge cable

- Spray some Vaseline into the top opening of the arm of the ChargeArm when it is retracted.
- Feed the cable through the arm by pushing it.
- Park the vehicle to be charged on the desired location near the ChargeArm.
- Carefully extend the arm out until it is fully extended.
- Hold the charging connector in the area of the charging port of the car.
- Adjust the length of the cable (L1) so that it hangs approximately 10 cm (H1) above ground level.



- Determine the length of the cable (L2) by ensuring that it is not too taught when the arm is extended and retracted.
- Carefully retract the ChargeArm.
- Check again carefully the way the cable moves and hangs during the controlled articulation of the arm, and adjust where necessary.
- Also ensure that the cable moves freely over obstacles that could damage it during use.
- Let a certified electrician make the connection of the cable to the charge box.
- Mount the strain reliefs as described in part 9.

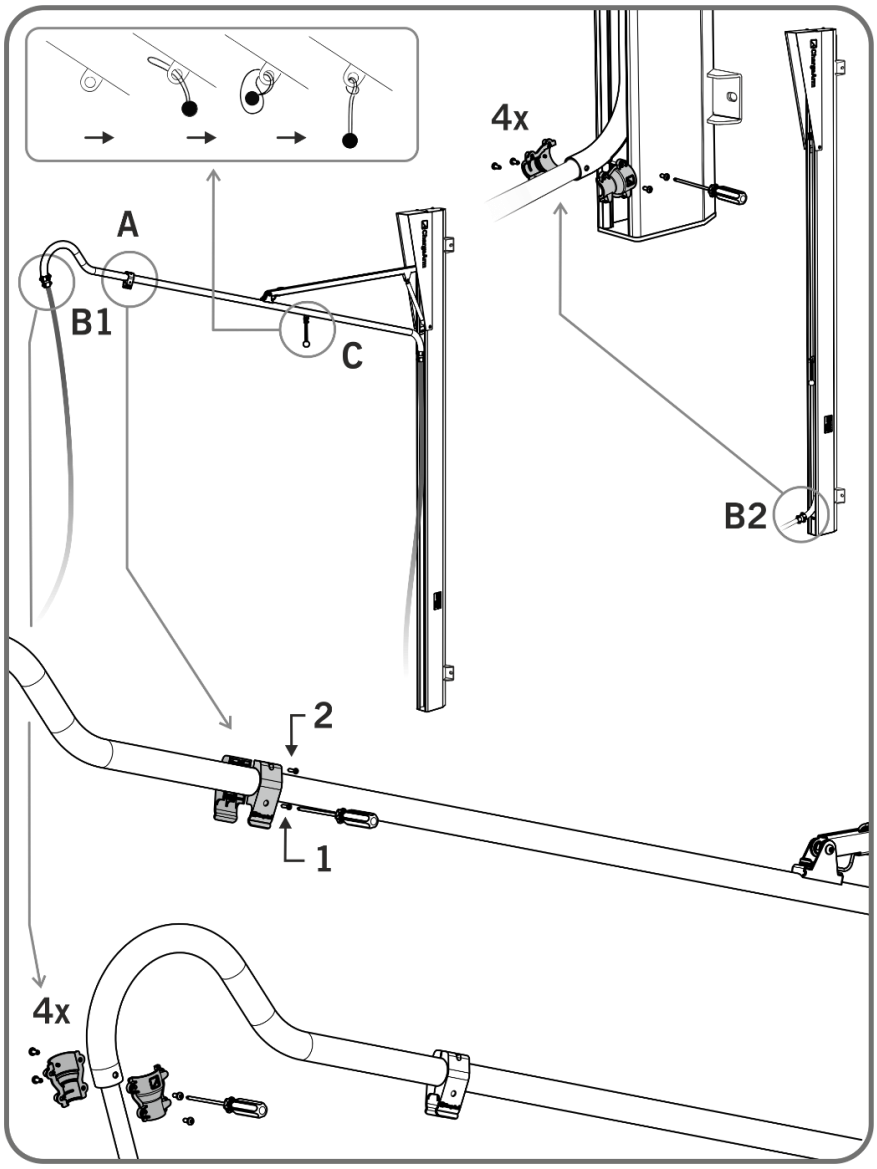


9. Mounting the cable clamp, strain reliefs and pull cord

A. Cable clamp:
   - Mount the cable clamps ⑤ 50 cm from the end of the arm as shown in the illustration.
   - Mount the front (1) screws ⑥ and fully tighten it with a screwdriver.
   - Mount and tighten the rear (2) screws ⑥. Note that the two halves of the clamp do not touch when this rear (2) screw is tightened. This is normal.

B. Strain reliefs:
   - Mount the two strain reliefs ⑦ to both ends of the arm. Ensure that the pins on each of the plastic components correspond with the holes on each side of the arm tube.
   - Tighten the screws ⑥ with a screwdriver until there is no play between the two halves.
   - Check if the charging cable is firmly secured by the strain reliefs.

C. Mount the pull cord ⑧ to the loop present on the arm as shown in the illustration.



10. Making an electrical connection to the charge box

The following activities should only be executed by a qualified electrician.

- Connect the earth cable which passes out from under the ChargeArm to the electrical installation.
- Electrically connect the charge box to the electrical system.

11. Notes

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CE Declaration of Conformity

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declare under our sole responsibility that the following product

Equipment: ChargeArm
Brand name: ChargeArm
Model/type: CA01

is in conformity with the

Directive 2006/42/EG of the European parliament and the council of 17 May 2006 on machinery, and amending Directive 95/16/EC.

Haarlem, 21 February 2022

Manufacturer representative:
ChargeArm bv

Camille van den Brande