

Climbing Rocks guidelines

How do I place climbing rocks directly on brick?

Climbing Rocks are mounted with **M10 Bolts**, screwed into **brass anchor** on the wall, whereas the climbing rocks shall be mounted on. The length on the M10 Bolts can vary. Our Climbing Rock products are supplemented with recommendations to bolt lengths respectively for wooden, brick and concrete wall.

Pay attention to small crevices between the joints and the bricks before you mount the climbing rocks. Potentially put the climbing rock against the brick and check that it doesn't tilt, but close to the wall. If the climbing rock is screwed on an uneven surface, there is a risk for the climbing rock to crack when tightened.

Approach:

- 1) Make sure the surface is even
- 2) Drill holes in the bricks (not in the joints) where the climbing rocks are to be placed
- 3) Push the brass anchors in the holes
- 4) Tighten the climbing rocks with an 8 mm Allen wrench

If the brick wall is plastered, you must pay attention on, that the brass anchors will sit flat with the brick surface. In this case you also have to add the extra depth (plastered depth) to the bolt's length.

Tools and equipment:

- Brass anchor
- M10 bolts (stainless bolts if the climbing rocks are to be placed outside)
- Drill with a 12 mm masonry drill
- Allen wrench size 8 to tighten the climbing rocks

How do I place climbing rocks directly on concrete?

Climbing Rocks are mounted with **M10 Bolts**, screwed into **concrete anchor** on the wall, whereas the climbing rocks shall be mounted on. The length on the M10 Bolts can vary. Our Climbing Rock products are supplemented with recommendations to bolt lengths respectively for wooden, brick and concrete wall.

Approach:

- 1) Make sure the surface is even (climbing rocks can crack if tightened on an uneven surface)
- 2) Drill holes with a 12 mm wall drill
- 3) Push the concrete anchors in the holes with the finger so the edge is 2-5 mm in
- 4) Use a mandrel or another blunt object to knock the pole inside the anchor in the base
- 5) Tighten the climbing rocks with an Allen wrench

Tools and equipment:

- Concrete anchors
- M10 bolts (stainless bolts if the climbing rocks are to be placed outside)
- Drill with a 12 mm wall drill
- Hammer and mandrel to knock the concrete anchors in with
- Allen wrench size 8 to tighten the climbing rocks

How do I place climbing rocks directly on wood?

Climbing Rocks are mounted with **M10 Bolts**, screwed into **bushings/nuts** on the wooden panel, whereas the climbing rocks shall be mounted on. The bushings are inserted from the backside of the panel. If you are mounting the climbing rocks directly on a wooden wall, it is for that reason **IMPORTANT**, that you can get to the wall from the backside.

The length of the M10 bolts can vary. Our Climbing Rock products are supplemented with recommendations to bolt lengths respectively for wooden, brick and concrete wall.

Approach:

- 1) Drill 12 mm holes from the front of the panel (we recommend a 15 to 21 mm plywood board)
- 2) Knock the bushings/nuts in from the backside of the panel
- 3) Screw possibly battens on the wall where the climbing rocks are to be placed
- 4) Tighten the climbing rocks on the battens or directly on the wall
- 5) Tighten the climbing rocks on the climbing wall with an 8 mm Allen wrench.

Remember, if the wooden panel is to be placed directly on the wall, it is important that the bolts you are mounting the rocks **DO NOT** stick out of the wooden panel. Therefore, be careful when you chose bolts. Know the thickness of the wooden panel.

An advantage with making a climbing wall of plywood boards is that you can make extra holes with bushings. It gives you the opportunity to move the rocks around and make new routes after the wall is placed. On finished climbing boards, we sell in Gubbies, there are 30 holes pr/sqm.

Tools and equipment:

- Plywood boards: 15 mm or 21 mm
- Possibly battens (4x4 cm) for the backside of the climbing wall module
- Bushings/nuts
- M10 bolts
- Drill with 12 mm drill
- Hammer (to knock the bushings in with)
- Allen wrench size 8 to tighten the climbing rocks with
- Saw, if the panels are to be sawn

How do I place climbing rocks directly on plaster?

We cannot recommend placing the climbing rock directly on plaster walls!

The climbing rocks must carry the weight of the children and adults, who are climbing on them, and there is a great risk that the rocks turn loose and destroy the plaster wall, if they are screwed directly on raw plugs on the plaster wall. In addition, most climbing rocks are designed to be mounted with bolts, that cannot be screwed into raw plugs, but demands special threads, that cannot be knocked into a plaster wall. If you know precisely where the battens are placed behind the plaster wall, it may well be possible to screw the climbing rocks firmly directly into the studs with lag screws.

We recommend, that you instead place the rock on a plywood board and then mount the board on the plaster wall. It is much easier to mount a board on a plaster wall if the board below bumps into the floor it distributes the weight between the wall and floor.

What do I need to find out before I build my climbing wall?

- 1) The climbing area's height and width. Don't build a climbing wall in the home higher than 2,5 meters
- 2) Are the climbing rocks to be screwed directly on the wall or shall they be mounted on a board?
- 3) Walltype, that the climbing rocks/board is mounted on:
 - Brick
 - Concrete
 - Wood (Important to have access to the backside of the wall)
 - Plaster (we don't recommend that the rocks are placed directly on the wall!)

What about surfacing and safety of climbing wall for children?

Climbing walls on public places must follow playground regulations' demands for security and surfacing. There is no demand in private homes about this, but we recommend the following for you, who want to build a climbing wall at home.

- Do not build a climbing wall higher than 2,5 meters, unless you make use of safety equipment in the form of harness and robe
- Safety distance on 2,5 meters from the wall, where there cannot be a radiator or furniture
- Always have a mattress below the wall, that the children can jump down on and land softly

Can I use MDF or OSB board for a climbing wall?

Neither MDF or OSB boards are optimal for climbing wall. They are softer than the plywood board we normally recommend for climbing wall, and then they are also

vulnerable for humidity. This means that the climbing rocks can twist themselves loose after a short period of time.

Can climbing rocks hold an adult?

All our climbing rocks are of the same good quality and can hold both children and adults. The same apply for the climbing board, that is used for climbing walls.

Can climbing rocks be used outside?

Yes, you can easily use all our climbing rocks outside. They can lose a bit of colour because of the sun, but all climbing rocks handle wind and weather fine.