

## Safety data sheet

### General notes

To ensure the correct use and a long durability of Blocz products, it is mandatory to comply with the information given in this safety data sheet. The volumes and holds match with DIN EN 12572:2017 and their use is only allowed in combination with climbing walls and products related to DIN EN 12572. The assembly may only be carried out by trained and competent personnel. Blocz products are made for indoor use only. Outdoor use will drastically reduce the lifetime and lead to increased wear of materials and will be at your own risk. Self-made modification or their improper use is permitted and leads to exclusion of liability by Blocz.

## Plywood-volumes

### Storage

- Dry and ventilated
- Temperature range within -20°C and 40°C, optimal at room temperature
- Volumes are stackable, ensure an intermediate layer for protection (e.g. cardboard, fleece) (see picture 1)



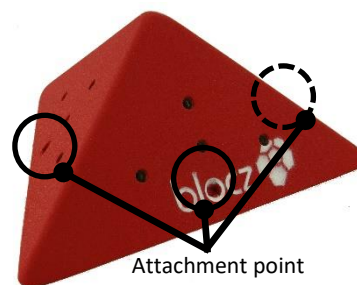
Picture 1 volume stack with protection layer

### Assembly general

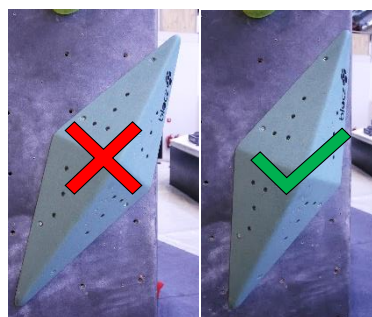
- Only by trained and competent personnel
- **Every attachment point** must be used (ct. picture 2)
- No fixation in existing or old holes
- Attachment only by chipboard screws with CE-identification
  - o 4,5x50mm or 4,5x60mm
  - o Complete climbing-wall thickness must be penetrated by thread
  - o Countersunk or round head use
  - o Part- or full tread without milling shaft
  - o **Tightening torque max. 5Nm**

*Note: chipboard screws are for single-use only!*

- plain wall contact surface over entire area (ct. picture 3 and 4)– no attachment possibility at concave or convex wall surfaces
- volume placement out of rope course - *damage of rope coat and volume possible!*
- check of mounting damage after attachment (e.g. cracks, sharp edges), replace volume instantly when damaged – risk of injury!
- Optional assembly help/redundant assembly backup for lead climbing walls available



Picture 2 attachment points



Picture 3 correct volume attachment

- Use only undamaged M10-bols for attaching holds and bolt-on-volumes (ct. picture 5)



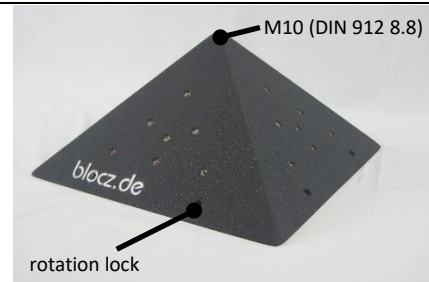
Picture 4 improper attachment at concave wall



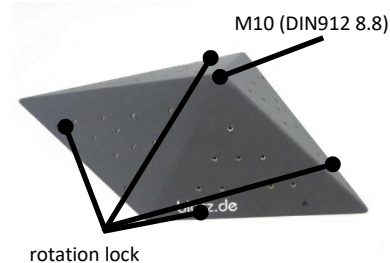
Picture 5 damaged M10-bolts

### Assembly with M10-screwing option (Bolt-On)

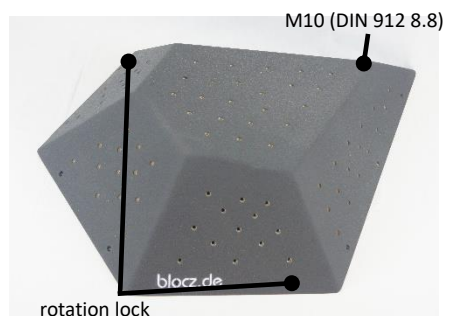
- Main attachment by M10 screw (DIN 912, 8.8)
- Tightening torque **min. 20Nm, max. 40Nm**  
*Note: impact wrenches generate usually torques above 100Nm – damage of volume and attachment possible!*
- Additional rotation lock by chipboard screws (as described above)
  - **Edge length up to 600mm** (ct. picture 6)
    - Secure by at least one chipboard screw
  - **Edge length above 600mm** (ct. picture 7)
    - Secure by at least one chipboard screw per side
    - Screw-position as far away as possible from central M10 screw. For multiple attachment points, they must be diagonally spaced as far apart as possible
  - **Exceptions**
    - Drops, Stumps and Diamonds must be fixed at least with the attachment points shown in picture 8, 9 and 10



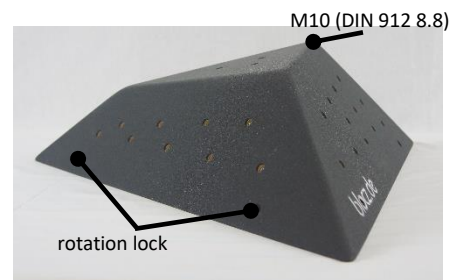
Picture 6 Attachment "Square 490 BO"



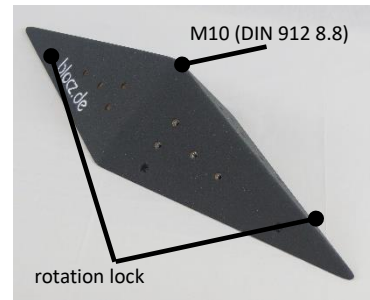
Picture 7 Attachment "Asymmetrical Square 750 L BO"



Picture 8 Attachment "Drop 1200 BO"



Picture 9 Attachment "Triangle Stump 800 BO"



Picture 10 Attachment „Diamond 900 BO“

### Assembly with base plate

- Main attachment of base plate by three included M10 screws (DIN 912 8.8) and metal plates on the climbing wall (ct. picture 11) - **tightening torque min. 20Nm, max. 40Nm**
- Volume attachment on base plate through included M5 Allen bolts (DIN 912 8.8) at all given attachment points (ct. picture 12) - **tightening torque 7Nm**



Picture 11 Attachment base plate

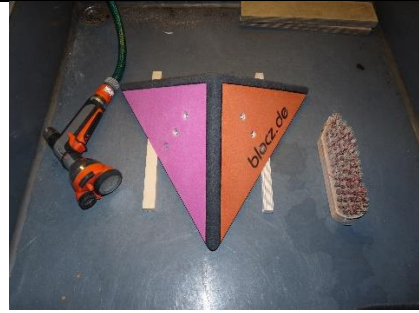


Picture 12 Volume attached to base plate

## Cleaning

- use protective gear
- cleaning by water or special cleaning products for climbing holds (pay attention to manufacturer's instructions)
- only temperatures below 50°C
- by cleaning with high pressure washer – keep enough distance between spray nozzle and volume (min. 30cm) and use appropriate pressure
- Extensive and long-lasting contact with aggressive cleaning products can cause material damage resp. color deviation – use authorized cleaning products only!
- Don't dip or immerse volume in liquids
- Base must be water laxative to avoid waterlogging! (e.g. underpin strips – ct. picture 13)

*Note: Before cleaning, moisten volume-surface with water or cleaning solution and allow to act for 5 min*



Picture 13 Cleaning with underpinned strips

## Maintenance/disposal

To ensure safe use, **visual inspections** must be carried out regularly corresponding to DIN EN 12572 (before every use, min. once a year) - replace volume instantly when damaged – risk of injury!

For repair or modification, please get in contact with Blocz. Own repair or modification is not allowed and will lead to exclusion of liability by Blocz.

After expiration of lifetime, your GRP volumes must dispose corresponding to your local disposal policy. For this, contact your local waste authorities regards local disposal and modalities





## GRP-volumes

### Storage

- Dry and ventilated
- Temperature range within -20°C and 40°C, optimal at room temperature
- Volumes are stackable, ensure an intermediate layer for protection (e.g. cardboard, fleece) (see picture 14)



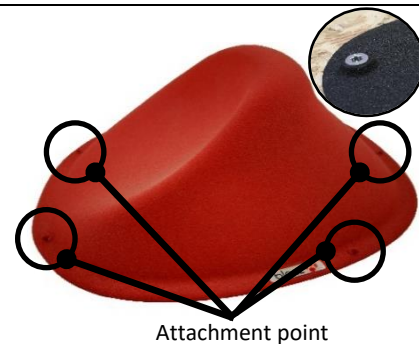
Picture 14 volume stack with protection layer

### Assembly

- Only by trained and competent personnel
- **Every attachment point** must be used (ct. picture 15)
- No fixation in existing or old holes
- Attachment only by chipboard screws with CE-identification
  - 4,5x25mm (or longer)
  - Complete climbing-wall thickness must be penetrated by thread
  - Countersunk use only
  - Part- or full tread without milling shaft
  - **Tightening torque max. 5Nm**

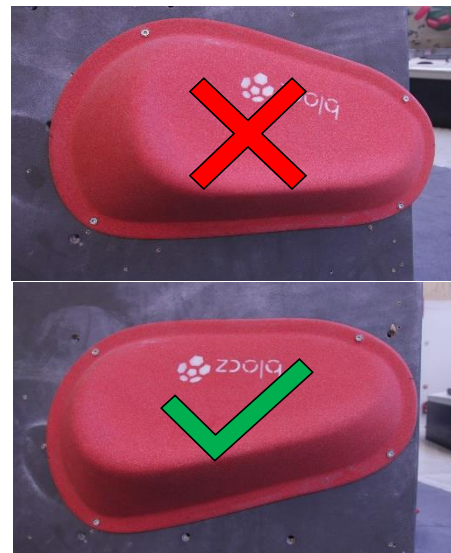
*Note: chipboard screws are for single-use only!*

- plain wall contact surface over entire area (ct. picture 16 and 17)– no attachment possibility at concave or convex wall surfaces
- volume placement out of rope course - *damage of rope coat and volume possible!*
- check of mounting damage after attachment (e.g. cracks, sharp edges), replace volume instantly when damaged – risk of injury!



Attachment point

Picture 15 attachment points



Picture 16 volume attachment



Picture 17 improper volume attachment at concave wall

## Cleaning

- use protective gear
- cleaning by water or special cleaning products for climbing holds (pay attention to manufacturer's instructions)
- only temperatures below 50°C
- by cleaning with high pressure washer – keep enough distance between spray nozzle and volume (min. 30cm) and use appropriate pressure
- Extensive and long-lasting contact with aggressive cleaning products can cause material damage resp. color deviation – use authorized cleaning products only!
- Don't dip or immerse volume in liquids
- Base must be water laxative to avoid waterlogging! (e.g. underpin strips)

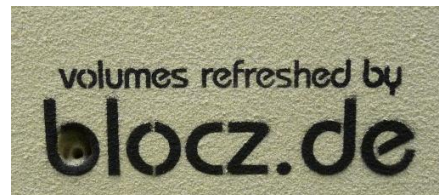
*Note: Before cleaning, moisten volume-surface with water or cleaning solution and allow to act for 5 min*

## Maintenance/disposal

To ensure safe use, **visual inspections** must be carried out regularly corresponding to DIN EN 12572 (before every use, min. once a year) - replace volume instantly when damaged – risk of injury!

For repair or modification, please get in contact with Blocz. Own repair or modification is not allowed and will lead to exclusion of liability by Blocz.

After expiration of lifetime, your GRP volumes must dispose corresponding to your local disposal policy. For this contact your local waste authorities regards local disposal and modalities.



## Holds

### General notes

Hold-material is made for indoor-use only. UV radiation can cause colour deviation or material interference.

### Storage

- Dry and ventilated (*e.g. in boxes, cf. picture 18*)
- Temperature range within -20°C and 40°C, optimal at room temperature



Picture 18 hold storage

### Assembly

- Only by trained and competent personnel

#### For Holds with M10-attachment point

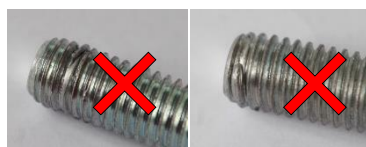
- Main attachment by M10 screw (DIN 912, 8.8) (ct. picture 19)
- Tightening torque **min. 20Nm, max. 40Nm**  
*Note: impact wrenches generate usually torques above 100Nm – damage of hold and attachment possible!*
- Rotation lock via one chipboard screw - **Tightening torque max. 5Nm**
- Use only undamaged M10-bolts (ct. picture 20)



Picture 19 attachment points

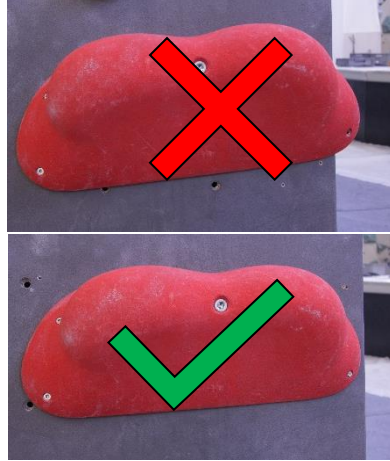
#### For Holds without M10-attachment point

- main attachment by chipboard screws
- **every fixing point must be used!**
- Rotation lock (resp. main fixation at holds without M10-attachment) only by chipboard screws with CE-identification
  - o Diameter 4.5mm, length hold-dependent
  - o Complete climbing-wall thickness must be penetrated by thread
  - o Countersunk use only
  - o Part- or full tread without milling shaft
  - o **Tightening torque max. 5Nm**
- *Note: chipboard screws are for single-use only!*
- plain wall contact surface over entire area (ct. picture 21 and 22) – limited attachment possibility at concave or convex wall surfaces
- hold placement out of rope course - *damage of rope coat and hold possible!*



Picture 20 damaged M10-bolts

- check of mounting damage after attachment (e.g. cracks, sharp edges), replace hold instantly when damaged – risk of injury!



Picture 21 correct wall-attachment



Picture 22 improper attachment at concave wall

## Cleaning

- use protective gear
- cleaning by water or special cleaning products for climbing holds (pay attention to manufacturer's instructions)
- only temperatures below 50°C
- by cleaning with high pressure washers – keep enough distance between spray nozzle and hold (min. 30cm) and use appropriate pressure - *keep an eye to flying holds!*
- Extensive and long-lasting contact with aggressive cleaning products can cause material damage resp. color deviation – use authorized cleaning products only!





## Maintenance/disposal

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To ensure safe use, **visual inspections** must be carried out regularly corresponding to DIN EN 12572 (before every use, min. once a year) - replace hold instantly when damaged – risk of injury!

For repair or modification, please get in contact with Blocz. Own repair or modification is not allowed and will lead to exclusion of liability by Blocz.

After expiration of lifetime, your holds can be disposed corresponding to your local disposal policy.