

## Safety Data Sheet Wooden Volumes

### General information

Compliance with the safety data sheet is a basic requirement for the safe use and long service life of Blocz-produced products. The volumes correspond to DIN EN 12572 2017. Use is only allowed in combination with climbing walls and products according to DIN EN 12572. Installation may only be carried out by trained and competent personnel. Blocz products are intended for indoor use. Outdoor use will reduce the lifespan of the volumes and lead to increased wear and tear on the materials. Therefore, such use is at your own risk. Changing the volumes yourself or using them improperly is not allowed and will result in Blocz being excluded from liability.

## Wooden Volumes

### Storage

- Dry and ventilated - Temperatures between -20°C and 40°C, optimally at room temperature
- Volumes can be stacked, separated by an appropriate intermediate layer (cardboard, fleece, etc.) (see Figure 1)



Fig 1 stacked volumes with protective layers

### Mounting in general

- Only by trained and competent personnel
- All specified attachment points (see Figure 2) must be used
- Fastening only with chipboard screws with CE marking ("building inspectorate approval")
  - o 4.5x50mm or 4.5x60mm
  - o Round or countersunk head
  - o Partial or full thread without milling head
  - o **Tightening torque 5-10 Nm**

*Note: Each chipboard screw is only permitted for one-time use!*

- Fixing must be done in undamaged wood (no old screw holes)
- The contact surface must be leveled and the contact must be full-surface (see Figures 3 and 4) – *the volume cannot be mounted on concave or convex wall surfaces!*
- Placement in the course of the rope at climbing walls is not useful - *Damage to the volume and rope possible!*
- Check for possible installation damage (e.g. cracks, sharp corners), if damaged, the volume must be replaced immediately - risk of injury!



Fig 2 mounting points



Fig 3 improper attachment to a concave wall

- For rope climbing walls, there is the option of an assembly backup of the volume on the climbing wall
- Only use undamaged M10 screws for attaching handles and for bolt-on volumes! (see picture 5)
- The length of the screws must be dimensioned so that the thread of the screw completely penetrates the flange nut on the wall side

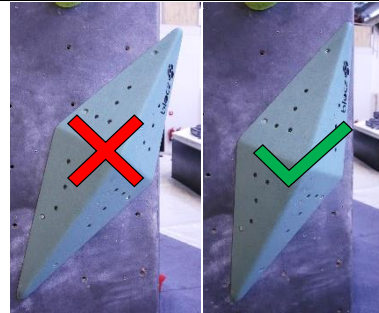


Fig 4 Mounting the volume to the wall



Fig 5 Damage M10-screws

### Mounting with M10 screw option (bolt-on)

- Main fastening with M10 screw according to DIN 912, strength class 8.8
- Tightening torque min. **20Nm, max. 40Nm**  
*Note: The use of an impact wrench usually generates a torque of well over 100Nm - damage to the volume and the attachment cannot be ruled out!*
- **Additional anti-twist protection** via chipboard screw as described above
  - **Up to 600mm edge length** (see image 6)
    - Secure with at least one chipboard screw
  - **From 600mm edge length** (see picture 7)
    - Securing with at least one chipboard screw per side
    - Position with the greatest possible distance to the central M10 screw, if there are several fastening points, these must be diagonally with the greatest possible distance from one another
  - **Exceptions**
    - Drops (image 8), volumes with truncated surfaces (image 9) and diamonds (image 10) must be attached at least at the positions shown

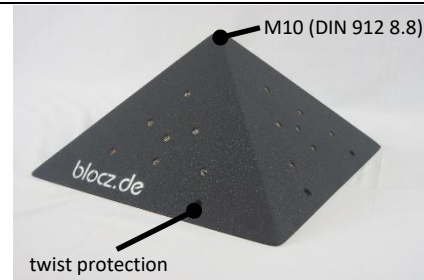


Fig 6 Mounting „Square 490 BO“

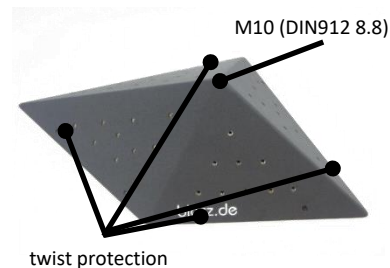


Fig 7 Mounting „Square Asymmetric 750 L BO“

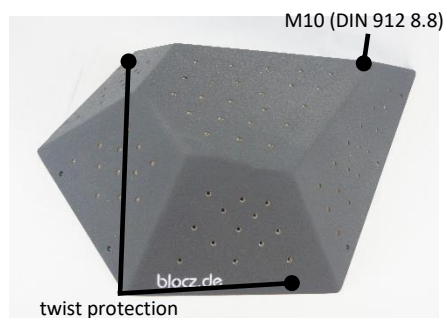


Fig 8 Mounting „Drop 1200 BO“

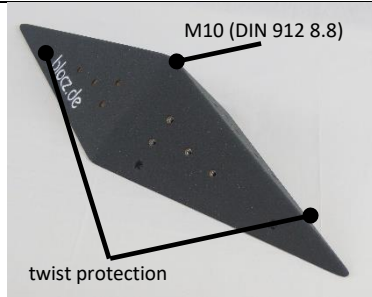


Fig 10 Mounting „Diamond 900 BO“

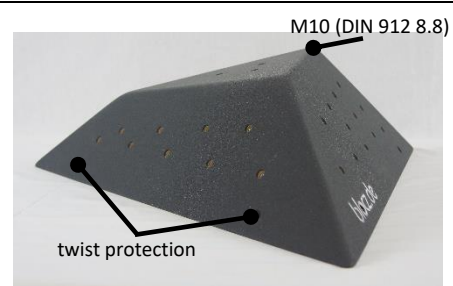


Fig 9 mounting „Truncated Triangle 800 BO“

## Cleaning

- Wear appropriate protective equipment
- Cleaning with water or handle cleaner with the manufacturer's usual dosage
- When cleaning with high pressure, make sure that there is sufficient distance between the volume and the nozzle (at least 30 cm) and that the water pressure is appropriate
- No longer submerge or soak volumes in liquids
- The underlay must be water-draining - avoid waterlogging! (e.g. place strips underneath (see Fig. 11), sieve surface, etc.)

*Tip: Before cleaning, wet the surface with water or a cleaning solution and leave it to work for 5 minutes*



Fig 11 Cleaning with strips underneath

## Maintenance/Disposal

To ensure safe use of the volume, regular checks must be carried out in accordance with DIN EN 12572 (before each use, at least once a year). Damaged volumes must be replaced immediately.

Independent maintenance or repairs are not allowed and will result in Blocz being excluded from liability. Repairs and maintenance work are possible, please contact Blocz.

If the surface is worn, the lifetime can be easily extended, e.g. with a DIY upcycling kit. The earth thanks you 😊.

At the end of their lifetime, the volumes can be disposed of in accordance with local regulations.

