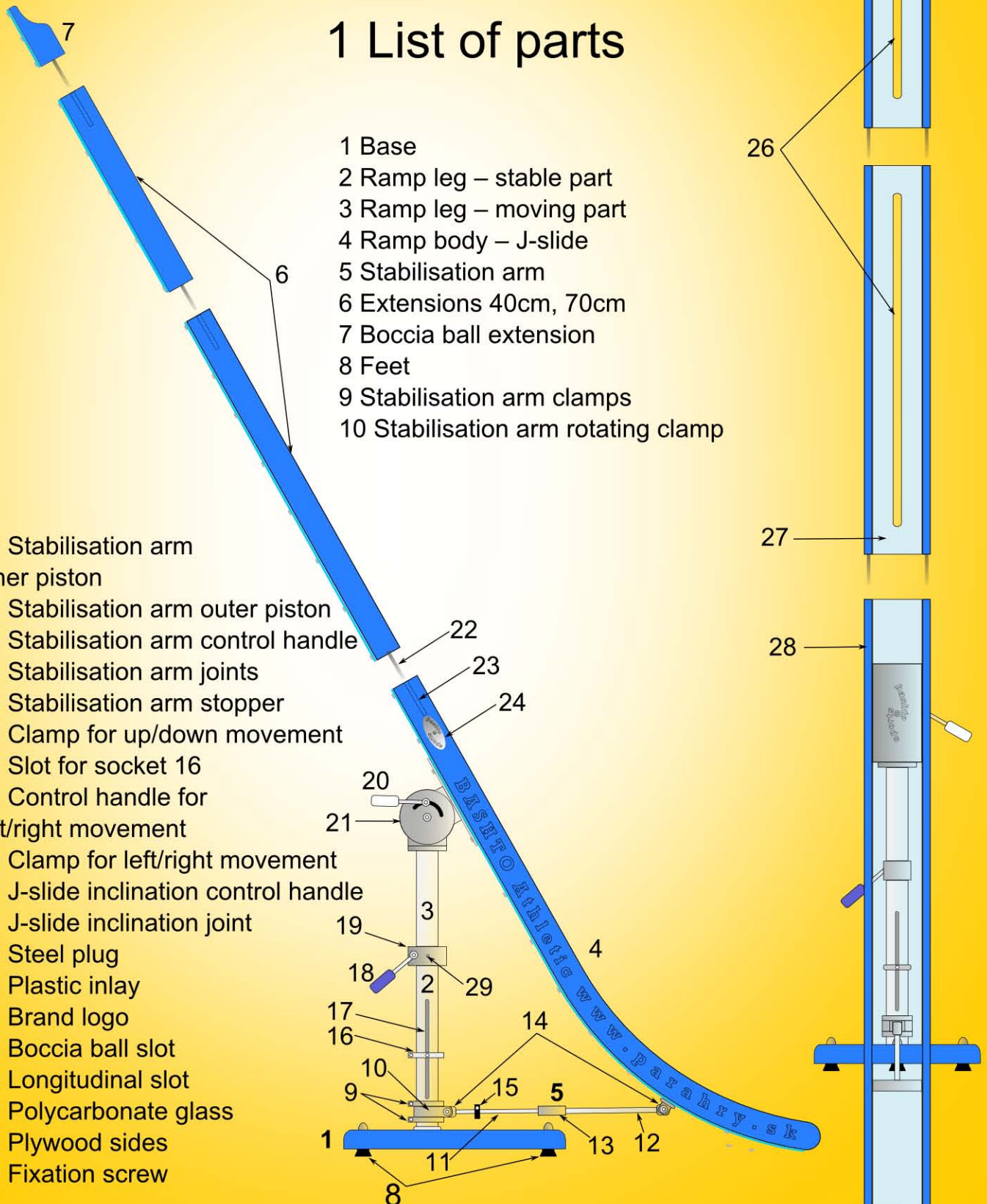


# BASHTO Athletic boccia ramp

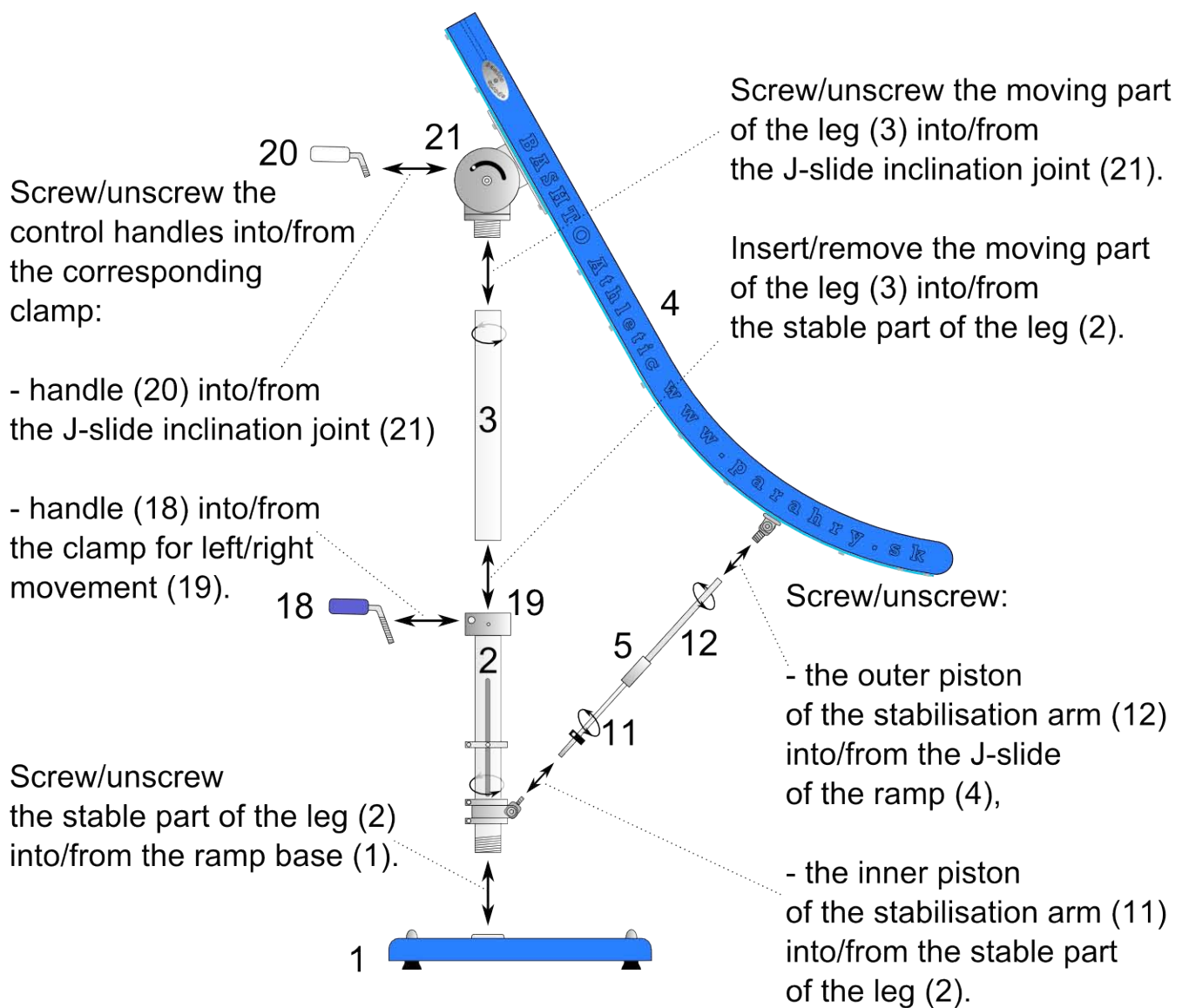
(manual)

## 1 List of parts

- 1 Base
- 2 Ramp leg – stable part
- 3 Ramp leg – moving part
- 4 Ramp body – J-slide
- 5 Stabilisation arm
- 6 Extensions 40cm, 70cm
- 7 Boccia ball extension
- 8 Feet
- 9 Stabilisation arm clamps
- 10 Stabilisation arm rotating clamp
- 11 Stabilisation arm inner piston
- 12 Stabilisation arm outer piston
- 13 Stabilisation arm control handle
- 14 Stabilisation arm joints
- 15 Stabilisation arm stopper
- 16 Clamp for up/down movement
- 17 Slot for socket 16
- 18 Control handle for left/right movement
- 19 Clamp for left/right movement
- 20 J-slide inclination control handle
- 21 J-slide inclination joint
- 22 Steel plug
- 23 Plastic inlay
- 24 Brand logo
- 25 Boccia ball slot
- 26 Longitudinal slot
- 27 Polycarbonate glass
- 28 Plywood sides
- 29 Fixation screw



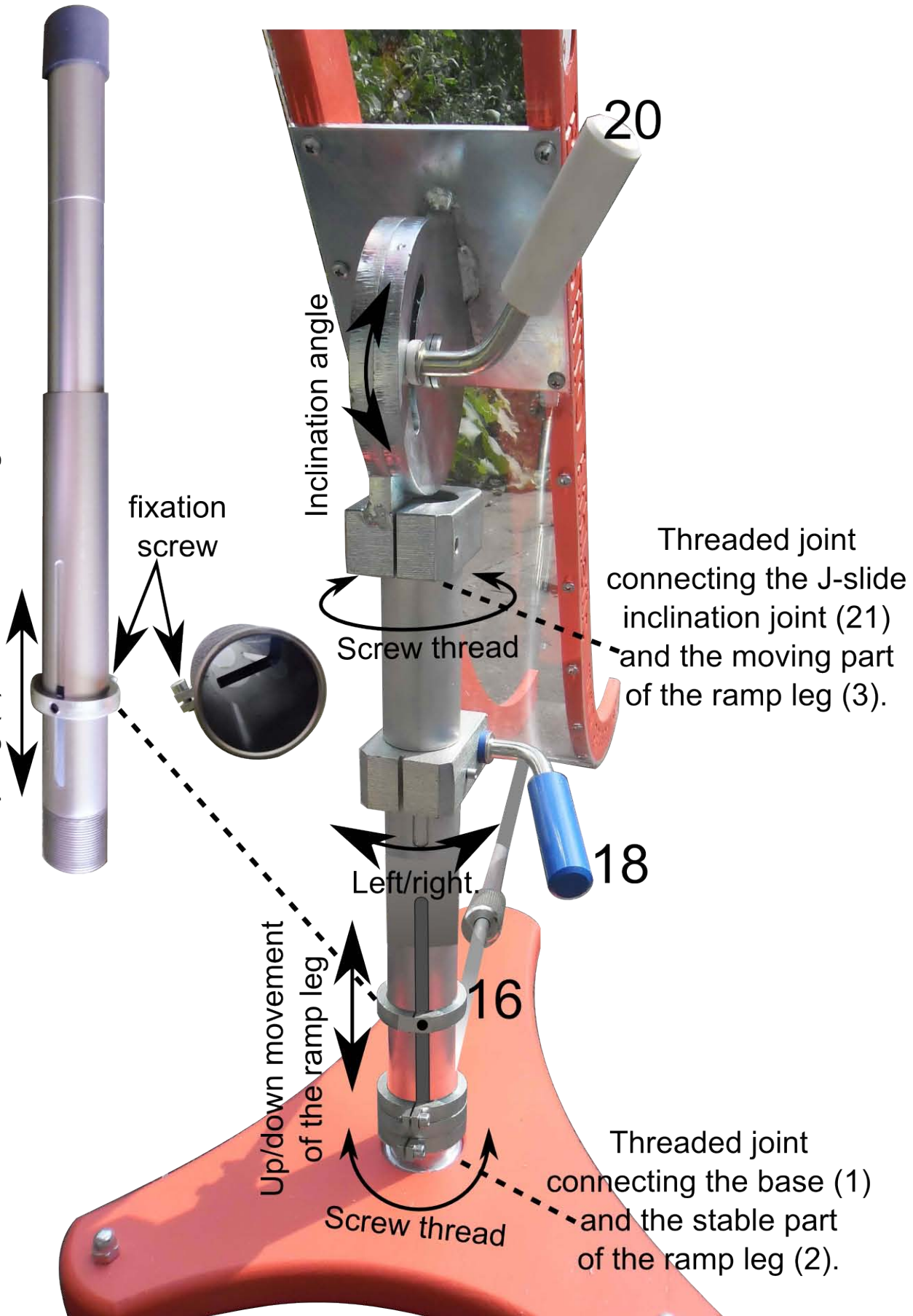
## 2 Assembly of the ramp for play and disassembly for transport



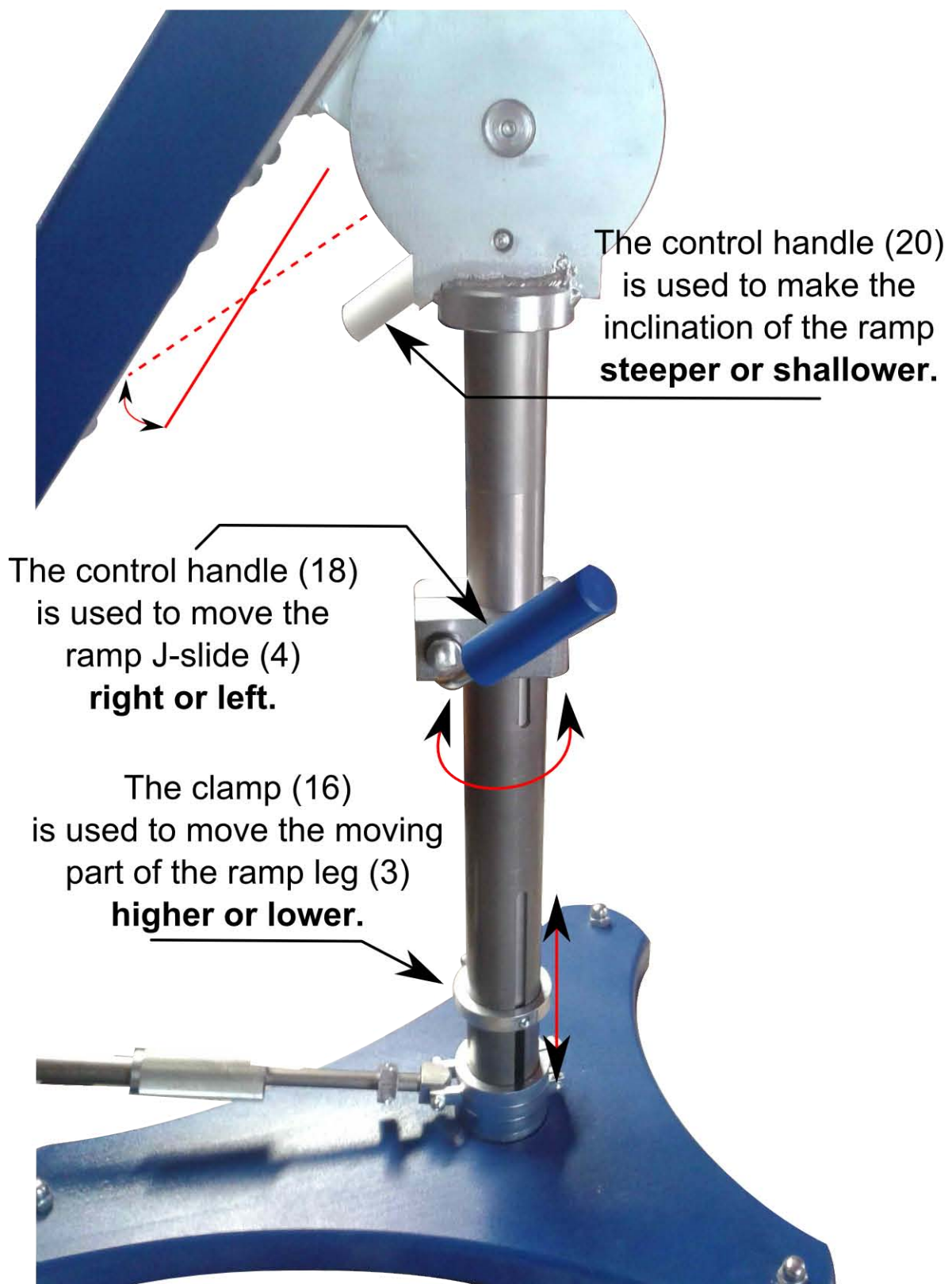
# 3 How to control the BASHTO Athletic boccia ramp?

(basic movements – 1)

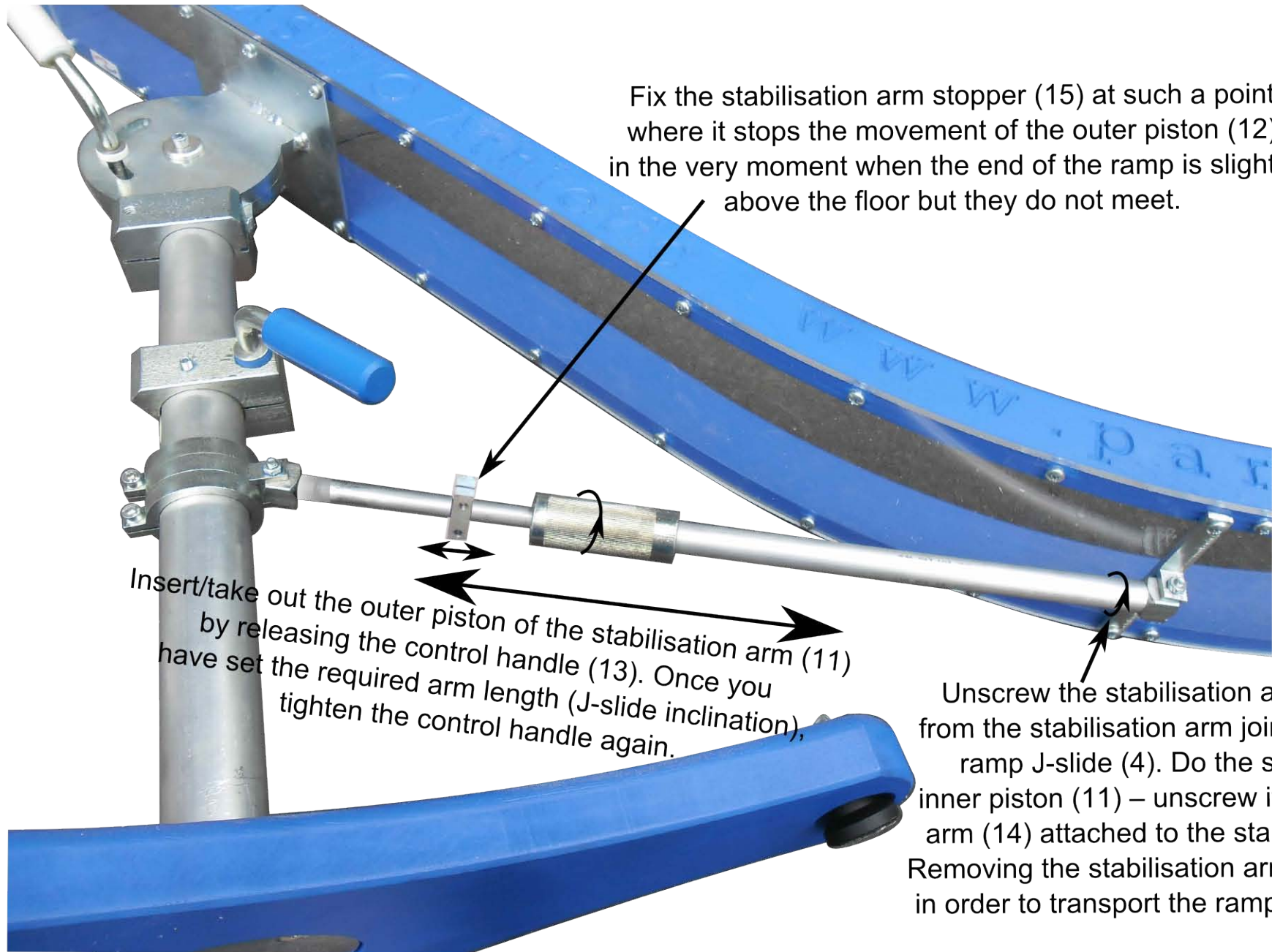
The clamp for up/down movement is equipped with a plug which keeps the moving part of the ramp leg (3) fixed at one height.



# 4 How to control the BASHTO Athletic boccia ramp? (basic movements – 2)



## 5 How to control the stabilisation arm?



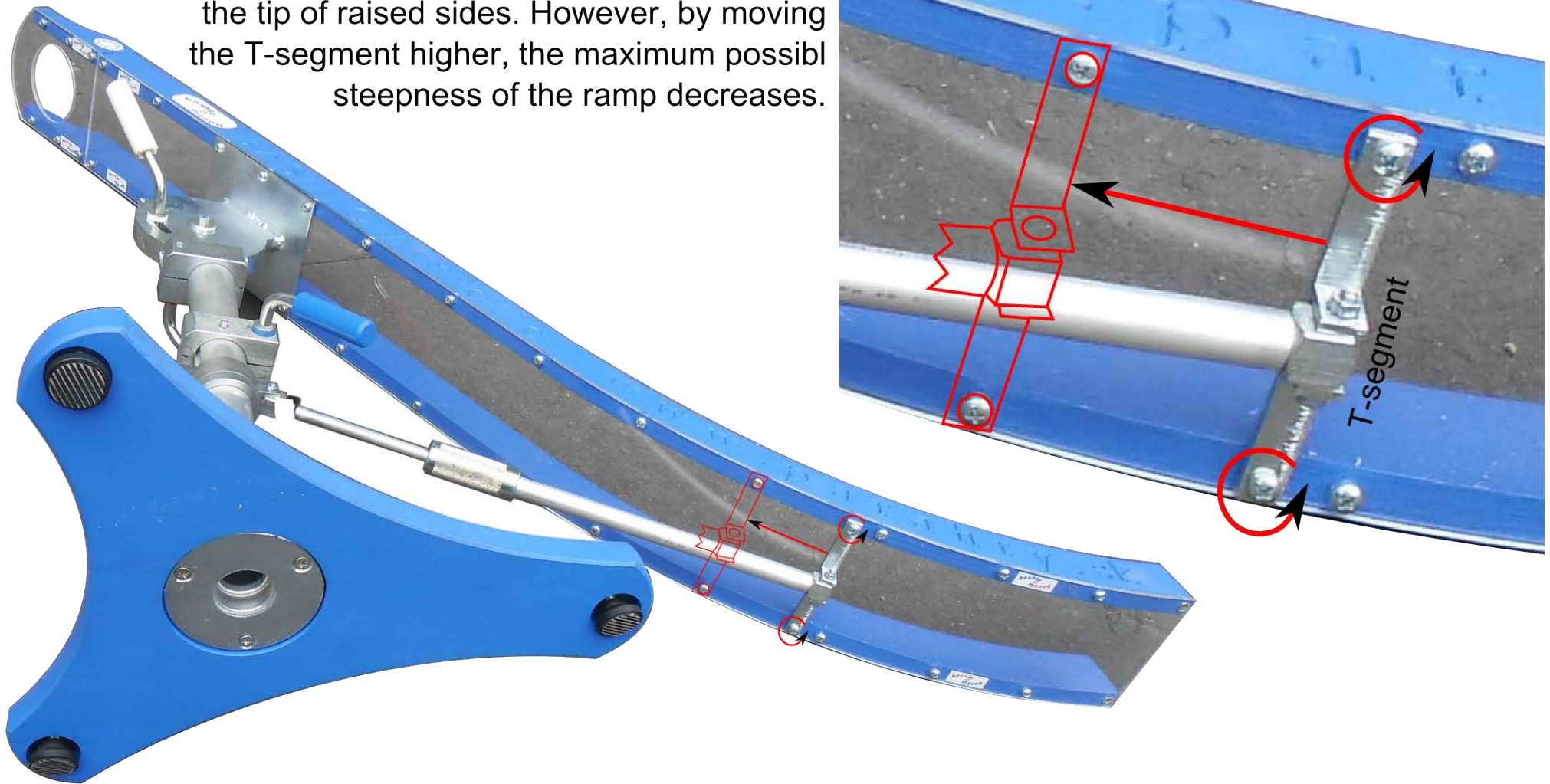
Fix the stabilisation arm stopper (15) at such a point where it stops the movement of the outer piston (12) in the very moment when the end of the ramp is slightly above the floor but they do not meet.

Insert/take out the outer piston of the stabilisation arm (11) by releasing the control handle (13). Once you have set the required arm length (J-slide inclination), tighten the control handle again.

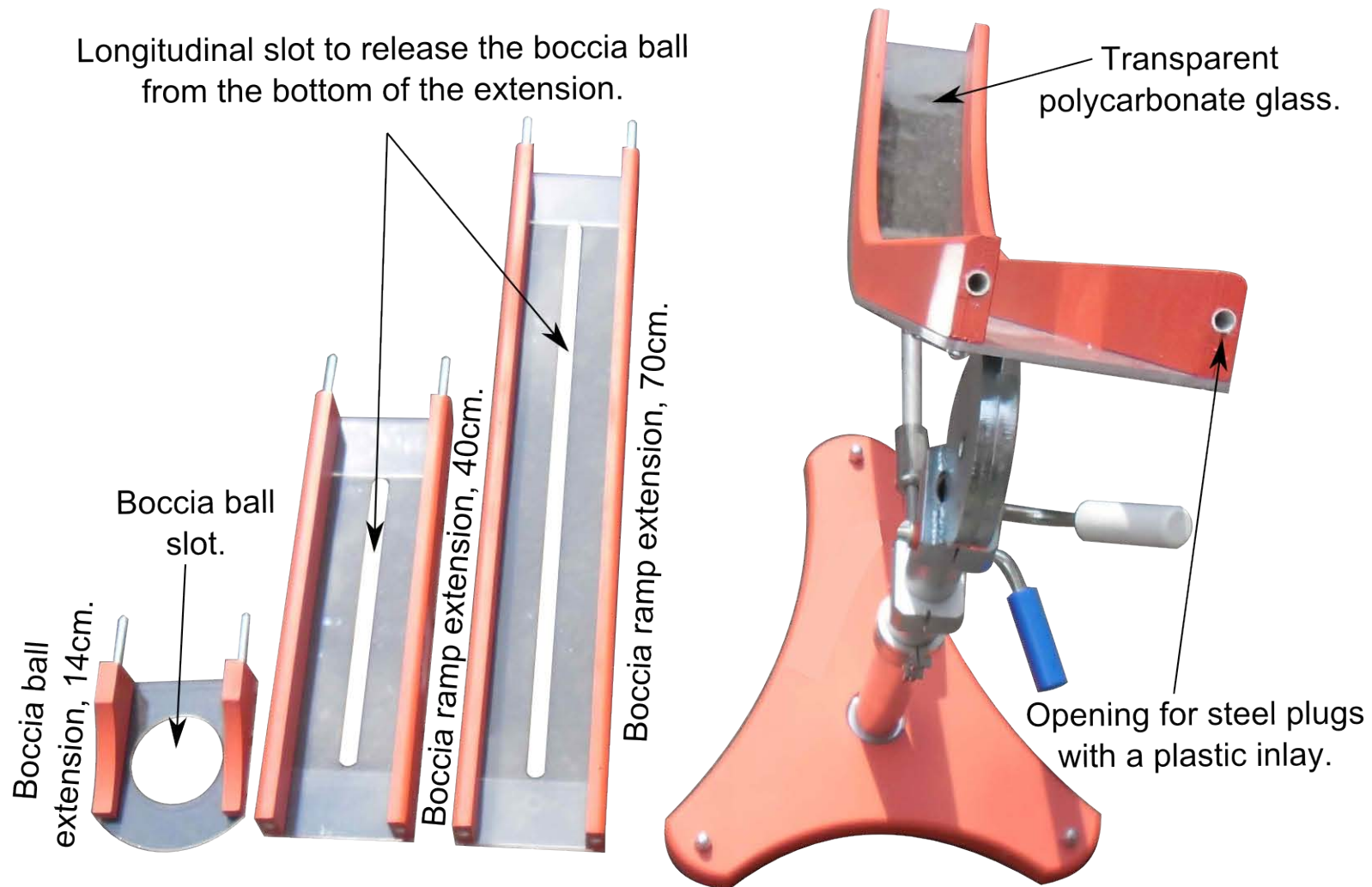
Unscrew the stabilisation arm outer piston (12) from the stabilisation arm joint (14) attached to the ramp J-slide (4). Do the same thing with the inner piston (11) – unscrew it from the stabilisation arm (14) attached to the stable part of the leg (2). Removing the stabilisation arm like this is necessary in order to transport the ramp in the transport case.

## 6 How to change the range of movement of the stabilisation arm?

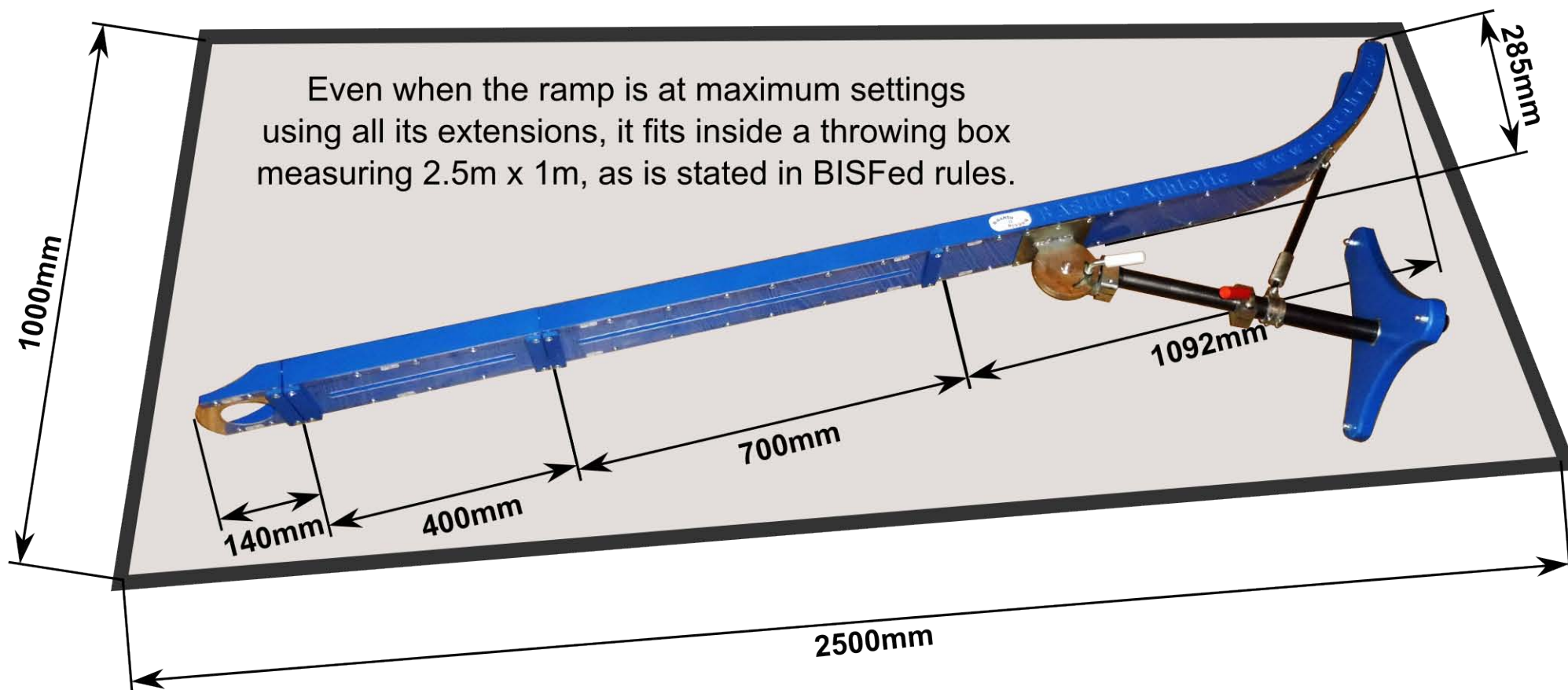
By moving the T-segment of the stabilisation arm higher, you can lift the tip of the ramp higher, which is useful for players who aim at the target using the tip of raised sides. However, by moving the T-segment higher, the maximum possible steepness of the ramp decreases.



# 7 BASHTO Athletic boccia ramp extensions

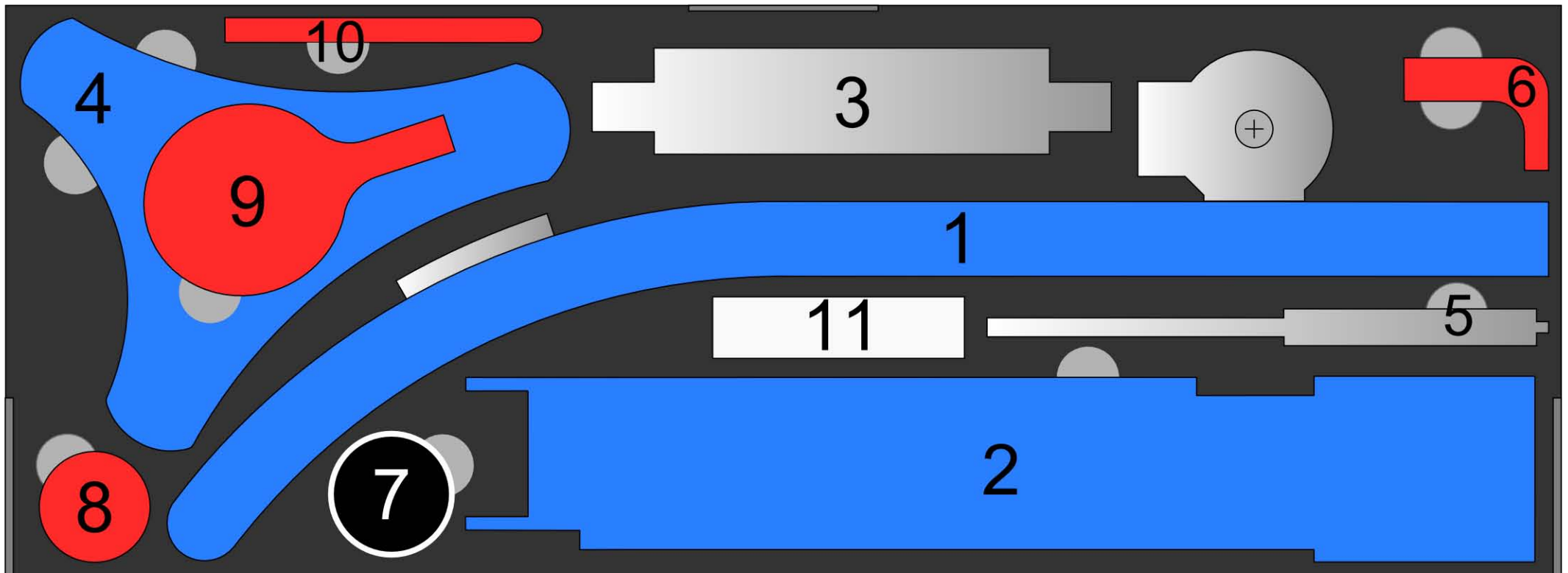


## 8 BASHTO Athletic Profi boccia ramp in the throwing box





# 9 BASHTO Athletic Profi boccia ramp – transport case layout

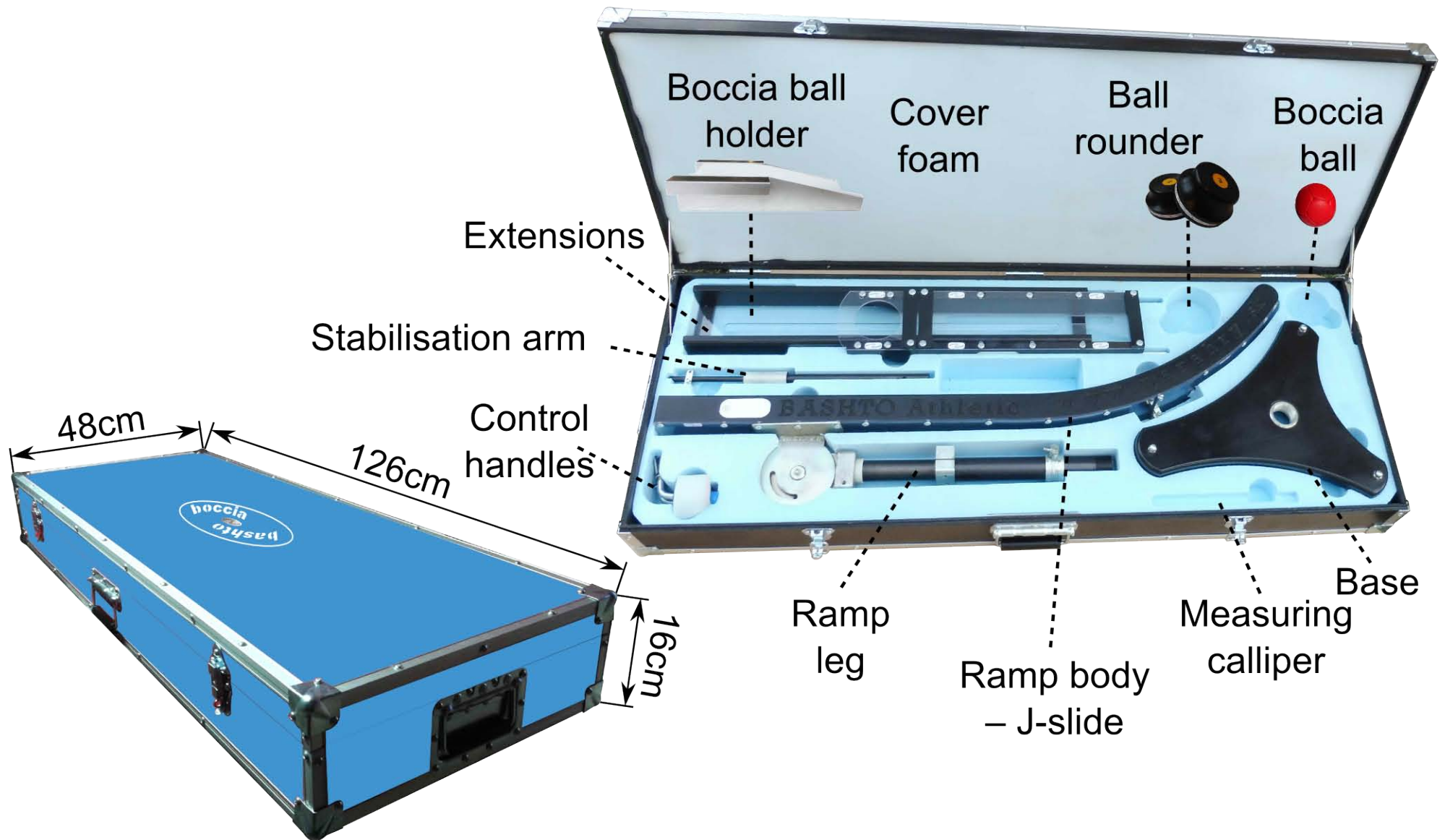


1. Ramp body  
– J-slide  
2. Extensions  
3. Ramp leg

4. Base  
5. Stabilisation arm  
6. Control handles  
7. Ball rounder

8. Boccia ball  
9. Referee paddle  
10. Measuring calliper  
11. Storage slot

# 10 Transport case for the BASHTO Athletic Profi boccia ramp – dimensions and layout



## BASHTO Athletic boccia ramp – short description

The BASHTO Athletic boccia ramp is made for the Paralympic game of Boccia and it meets all the criteria listed in the rules published by the Boccia International Sport Federation (BISFed): the ramp dimensions are chosen in such a way that when the ramp is at maximum settings with all extensions, it fits inside a throwing box **measuring 2.5x1m**. The ramp is not equipped with any mechanism that would make the ball go faster after it has been thrown neither does it contain any targeting equipment.

The ramp serves as a tool to help those boccia players who are unable to throw the ball using their own limbs (category BC3). The BASHTO Athletic boccia ramp has 3 adjustable parameters: **left-right movement, steeper-shallower inclination, up-down movement of the ramp leg**. These parameters can be adjusted during the game using control handles – loosening the handles enables these adjustments while tightening them back fixes each setting. The handles are loosened and tightened using screw threads.

Following the instructions of the athlete, his or her assistant is able to turn the ramp in the appropriate direction, adjust its inclination and thus change the speed of the ball and finally raise or lower the ramp leg, which helps adjust the ramp to the individual needs of the athlete.

It is possible to add **extensions** of various lengths to the ramp – the Profi version of the ramp comes with extensions measuring 40cm, 70cm and 14cm, the last one being an extension for the boccia ball. These extensions increase the length of the path along which a ball gains speed – the greater the height it is dropped from, the farther it rolls along the playing area and vice versa. The extensions have **steel plugs** at the end – these are used to connect each extension to the ramp body or another extension by inserting them into holes with a **plastic inlay**. One of the extensions serves as a ball holder. Each extension has a **milled longitudinal slot** (in almost unbreakable transparent polycarbonate glass, which forms its bottom part) which enables the athlete to comfortably launch the ball from any height. A **movable boccia ball holder**, which can move freely along the extensions, is used to set the height from which the player launches the boccia ball.

The ramp stands on **feet with spherical joints** which make it stable and help adapt the ramp to any surface. The ramp also includes a **stabilisation arm** which strengthens the end part of the J-slide. It prevents the end of the ramp from vibrating after the ball has been launched and helps throw the ball towards the target more precisely. Loosening the control handle of the stabilisation arm enables you to change the inclination of the ramp. The stabilisation arm includes a stopper which determines how far the outer piston can be inserted into the inner one. It is possible for the athlete to set the stopper in such a way that the end of the ramp is slightly above the ground while not touching it.

The ramp is foldable, which saves space and makes manipulation with the ramp during transport easier. It is possible to separate the base, the leg, the

stabilisation arm, the J-slide and the extensions. Parts separated this way are placed into the **transport case**, where every part of the ramp has its own designated place.

The total weight of the ramp is approximately 10kg and its dimensions after packing are 120x30x40cm. The dimensions of the transport case are 126x48x16cm. The ramp is made from the following materials: wooden parts – sides, base; metal parts (either made of steel or aluminium); plastic parts – handles, feet, bottom of the J-slide and of the extensions.

### **The ramp is equipped with the following four control handles**

**J-slide inclination handle (20)** – enables changing the inclination of the J-slide from about an 80° angle with respect to the ground (steep) to about 30° (shallow). Without the stabilisation arm, it is even possible to raise the J - slide into a horizontal position (0°).

**Left/right movement control handle (18)** – enables rotating the J-slide left/right without moving the base.

**Up/down movement clamp (16)** – enables extending the ramp leg by approximately 20 cm. The moving part of the leg (3) is inserted into and removed from the stable part of the leg (2).

**Stabilisation arm control handle (13)** – enables loosening the stabilisation arm, by which the inner piston (11) is either inserted into or removed from the outer piston (12). By changing the length of the stabilisation arm the inclination of the J - slide changes.

**For more information please contact the producer:**

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