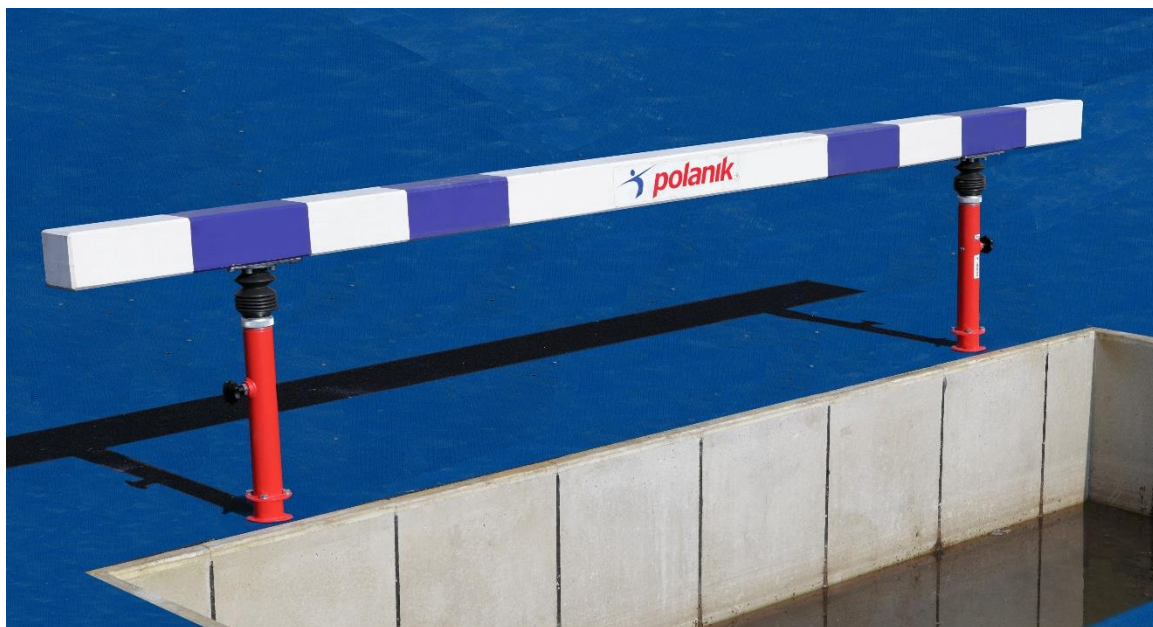
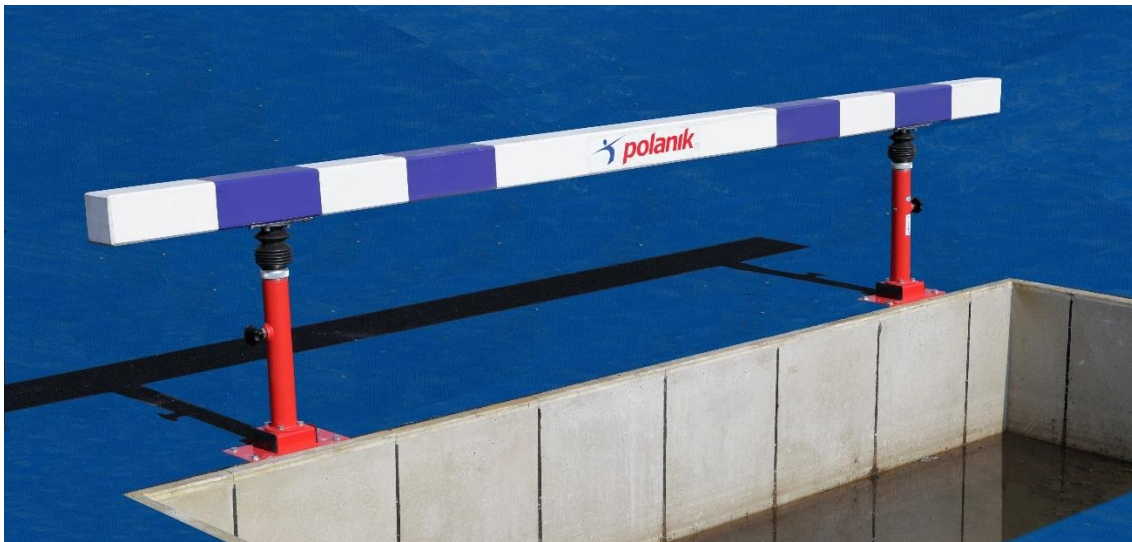


## INSTRUCTION MANUAL

### Competition steeplechase barrier for water jump fastened to the edge

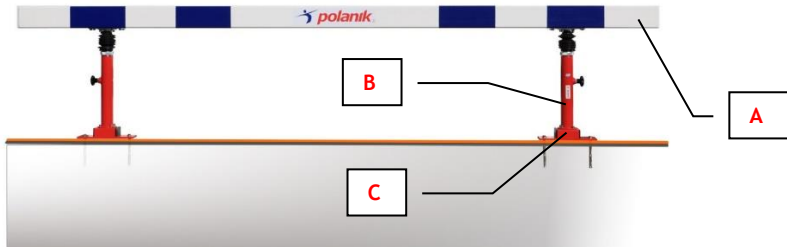
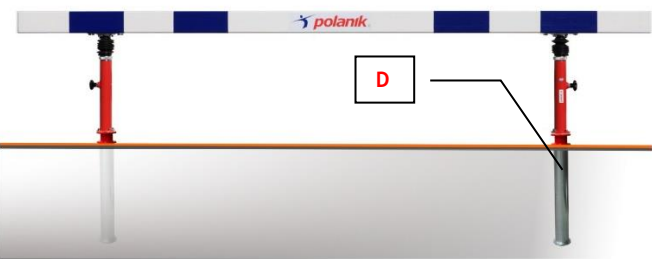
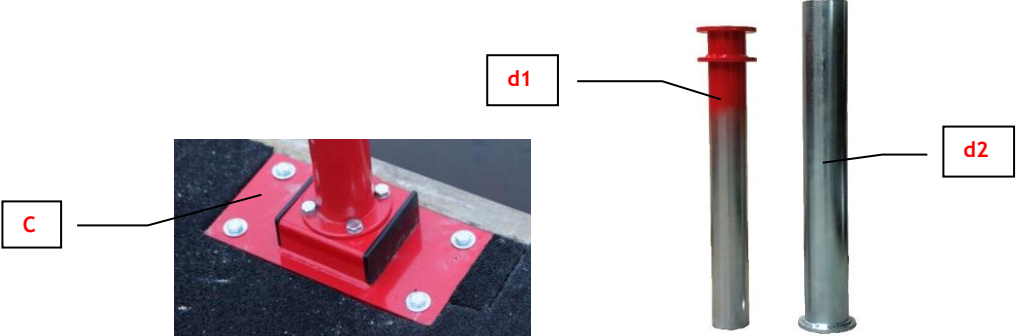
PP14-366



### 1. General description and use

PP14-366 is a high quality competition barrier, which is designed for water jump in steeplechase race. It is fastened to the edge of the water jump. The barrier requires concrete foundations. The telescopes, which are protected with special rubber aprons, guarantee a long product life and an easy operation.

### 2. Technical specification

Product code	PP14-366
Barrier type	competition, for water jump, fastened to the edge
(A) Top beam	multilayer wooden beam, painted
(B) Telescopes	steel powder painted, spring-loaded knob system of height adjustment, equipped with special rubber aprons against moisture
Fastening to the track	(C) by means of bases fixed with metal expansion anchors to concrete foundations or 
	(D) by means of sleeves (d1) and ground sockets (d2) 
Length [mm]	3660
Heights [mm]	762
	838
	914
Weight [kg]	83
	

### 3. Installation

The barrier is designed to be mounted on the synthetic surface of the water jump pit edge using:

- a) special bases fixed with metal expansion anchors to concrete foundations or

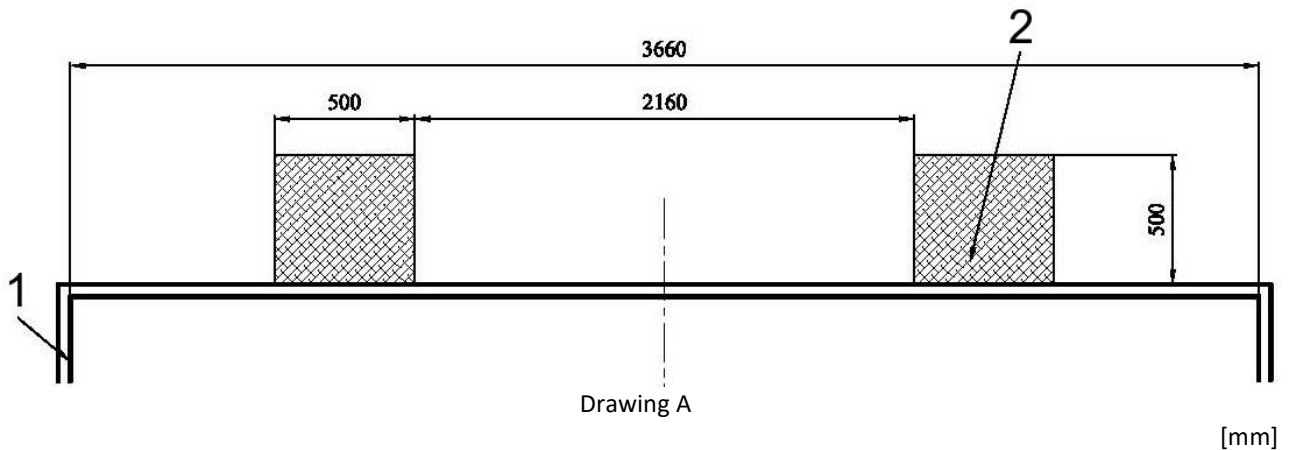


- b) sleeves and ground sockets



### 3.1. Installation on bases with metal expansion anchors

The barrier can be mounted on the synthetic surface of the water jump pit edge using special bases, provided that under the synthetic surface there is a concrete base layer made of concrete class C20/25 or higher and min. 130 - 150 mm thick. If the base layer does not comply with the mentioned requirements, two foundation blocks are to be made according to the below drawing A.



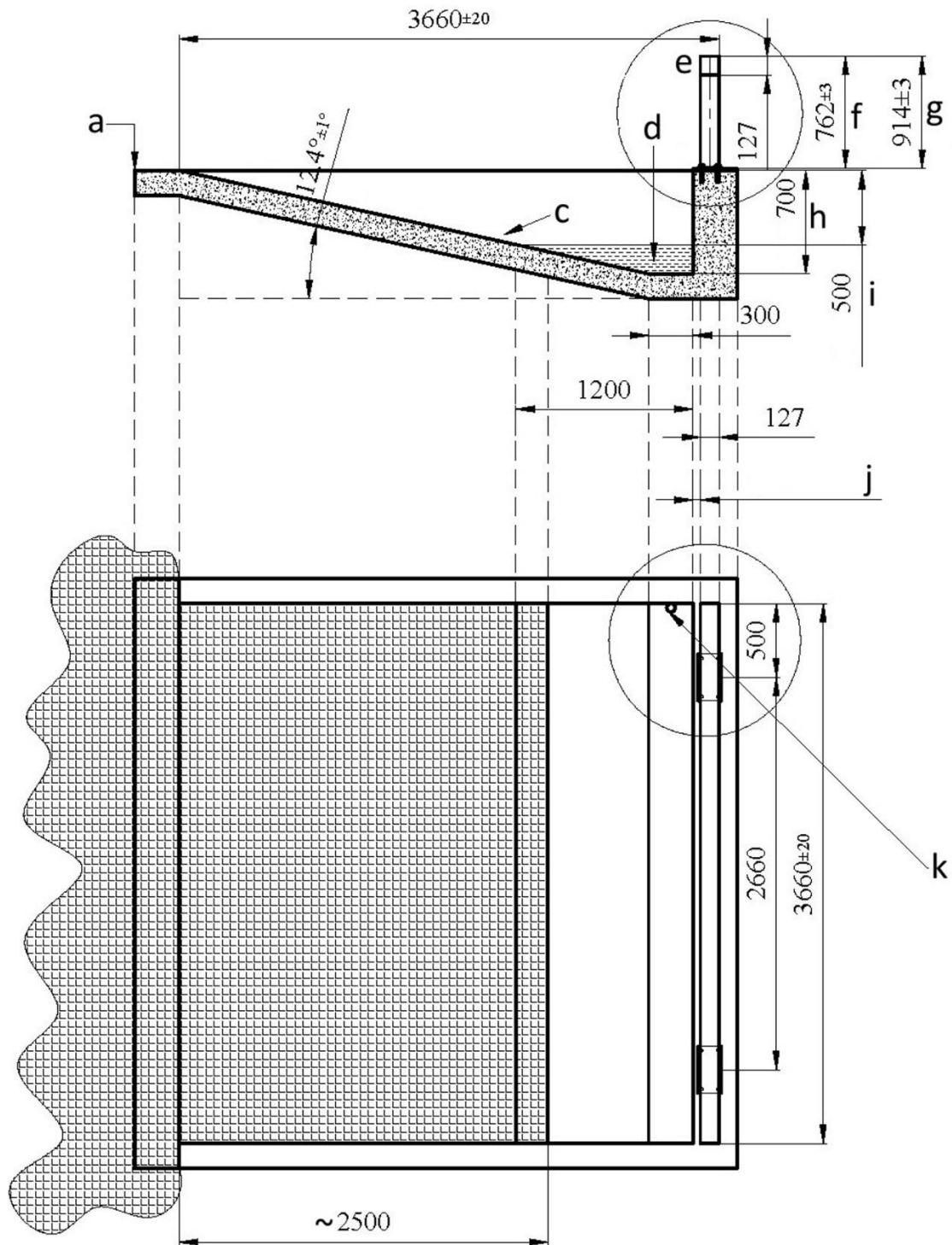
1. the edge of the water jump pit
2. foundation block, minimal dimensions: 500 x 500 x 500 [mm] made of min. C20/25 concrete

To install the barrier to the edge of the water jump pit use the included steel expansion anchors HLC 16x140/90 according to their producer's instructions (see [www.hilti.com](http://www.hilti.com)). The installation is done in the following way:

- 1) screw the barrier legs to the top beam with the included screws,



- 2) position the barrier on the edge of the water jump pit according to the drawing no. 1 and no. 2 (pages 5 and 6), mark the points where to drill the wholes,
- 3) use the drill bit dia. 16 mm to drill holes min. 130-150 mm deep,
- 4) clean the wholes (e. g. with vacuum cleaner)
- 5) position the barrier on the edge of the water pit,
- 6) put the anchors into the wholes,
- 7) screw down the nuts with approximate force 50 Nm.

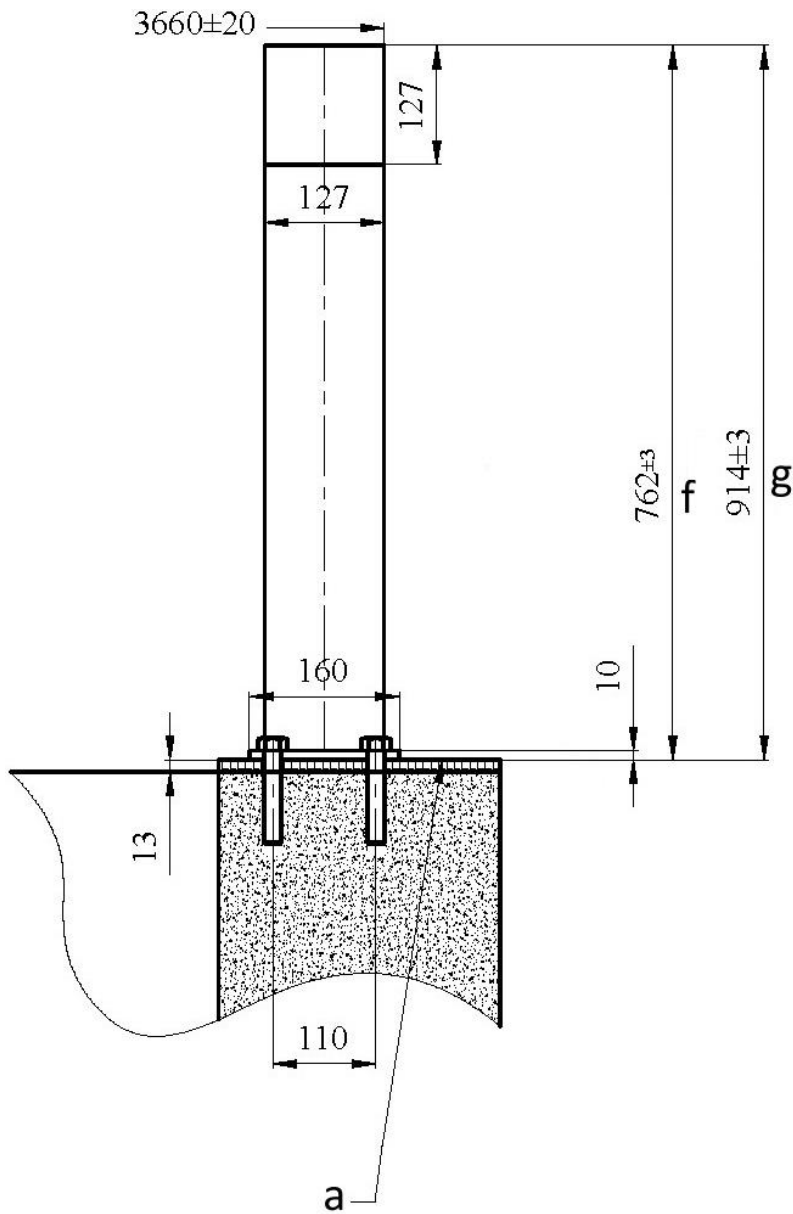


- a – track surface
- b – water level
- c – track surface continued under water
- d – optional concrete infill for existing water jumps
- e – fixed hurdle
- f – height for Women
- g – height for Men
- h – max depth

- i – min. depth
- j – minimum for adequate strength and protection of steel from moisture
- k – drain

[mm]

Drawing no. 1



a – track surface  
f – height for Women  
g – height for Men

[mm]

Drawing no. 2

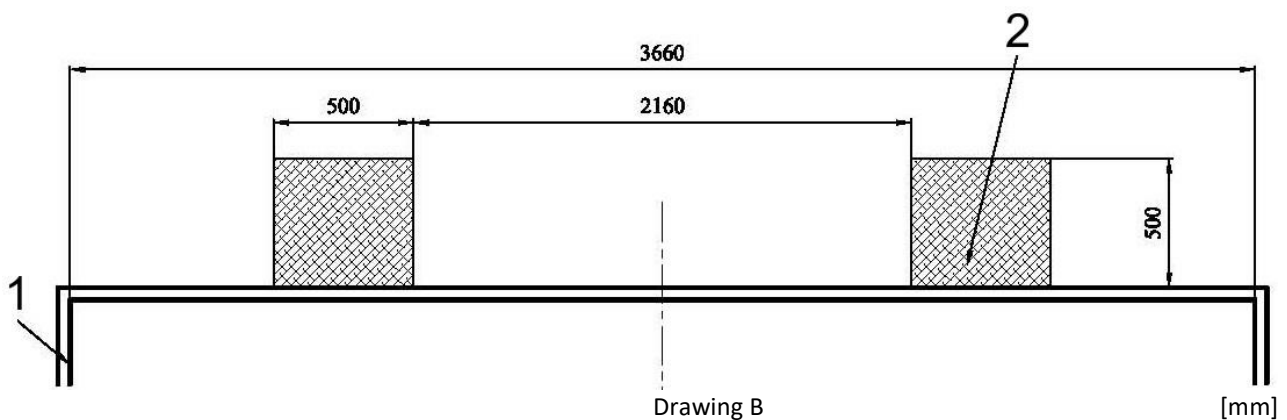
### 3.2 Installation on sleeves and ground sockets

The barrier can be mounted on the synthetic surface of the water jump pit edge using sleeves and ground sockets. The installation is done in the following steps:

- a) before embedding the barrier should be assembled, so screw the telescopes to the top beam, and screw the sleeves to the telescopes.



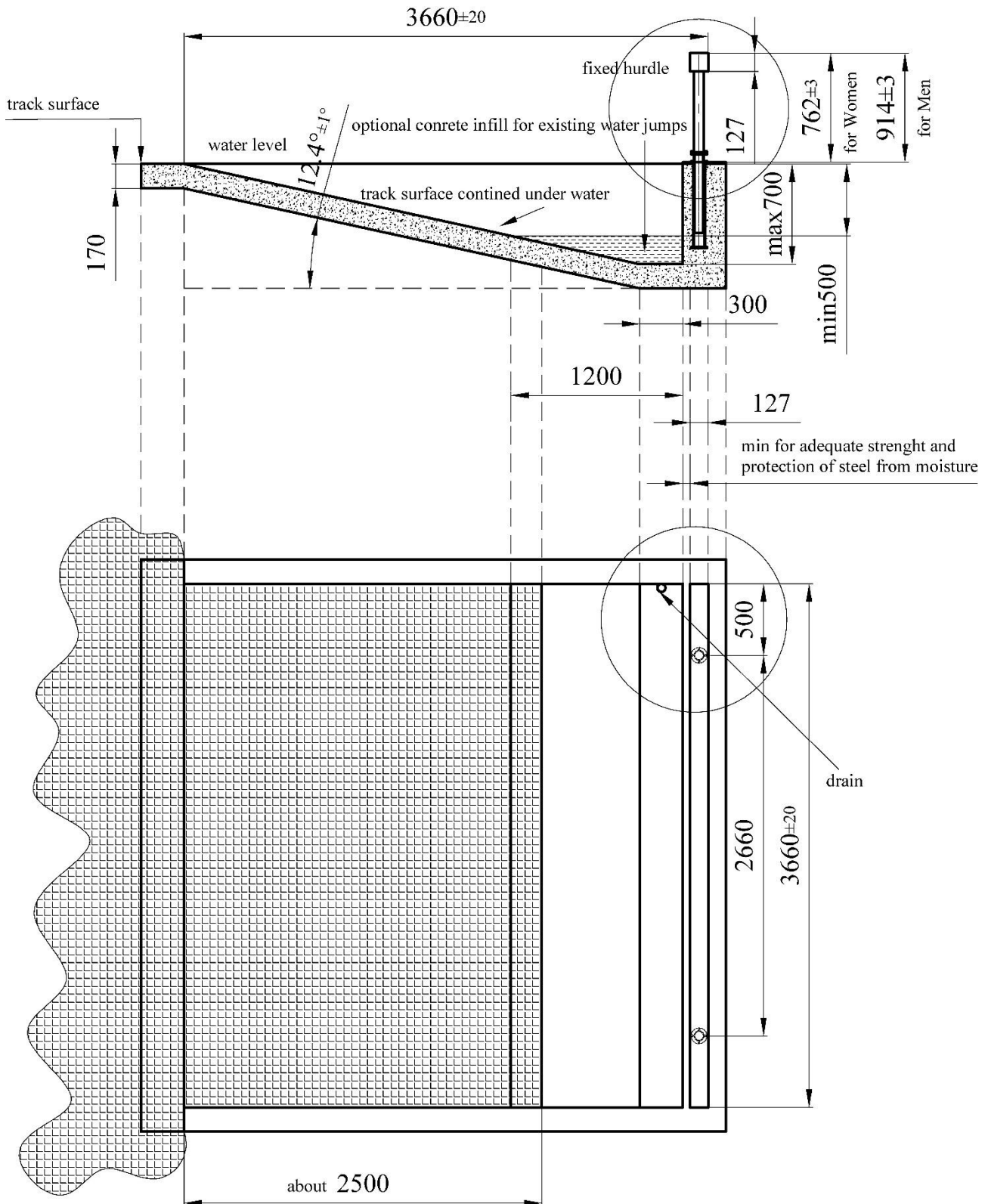
- b) the ground sockets are embedded in a concrete form of water jump pit, if there is not a concrete form in the track, two foundation blocks are to be made according to the below drawing B.



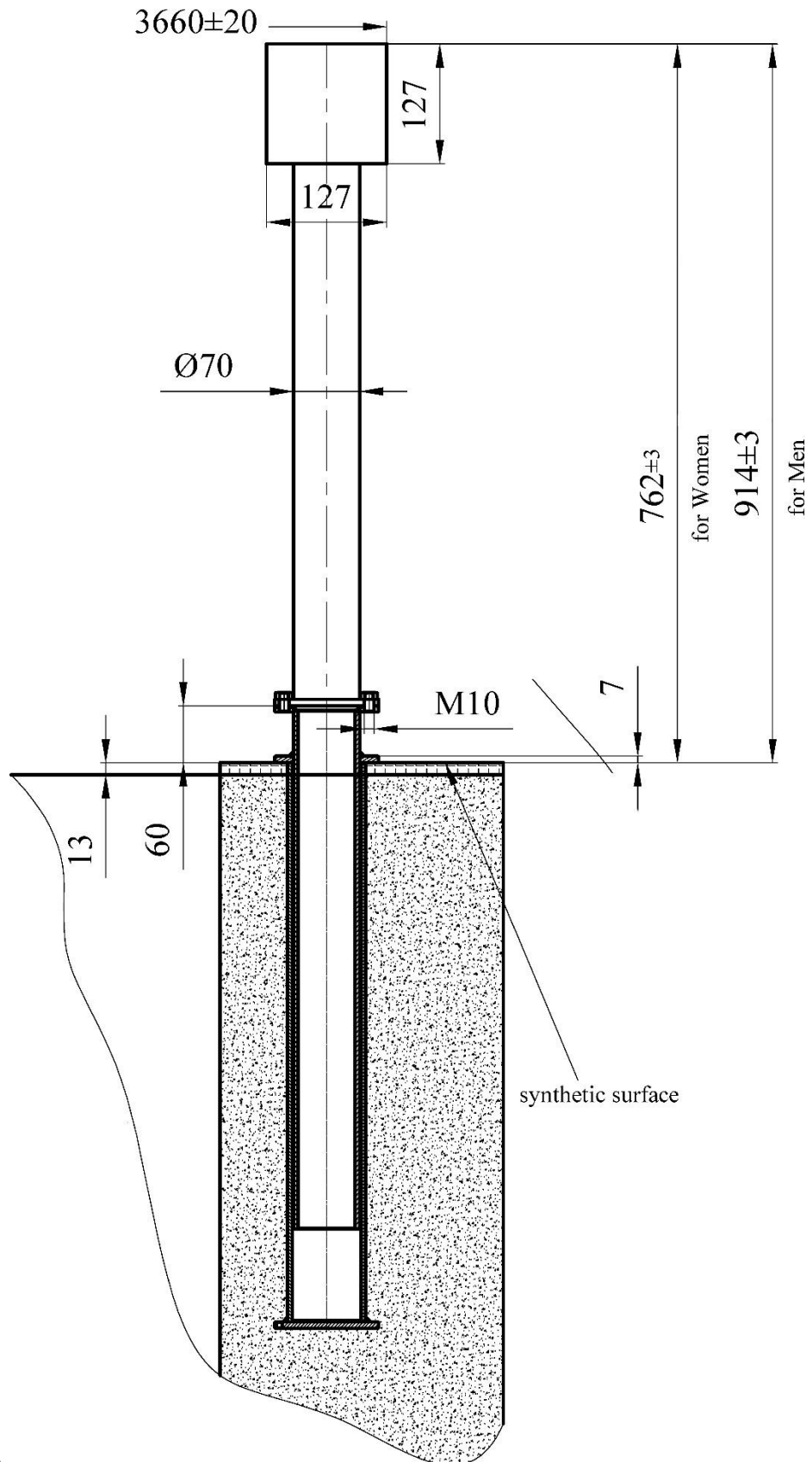
1. the edge of the water jump pit
  2. foundation block, minimal dimensions: 500 x 500 x 800 [mm] made of min. C20/25 concrete
- c) position the ground sockets in the concrete and slide the barrier legs into the sockets, immobile and support the barrier until the concrete is hard enough (see the next page), **make sure that the barrier is levelled correctly and the ground top edge of each ground socket is 13 mm above the concrete to be covered by synthetic surface (see drawings no. 3, 4 and 5 on the following pages)**



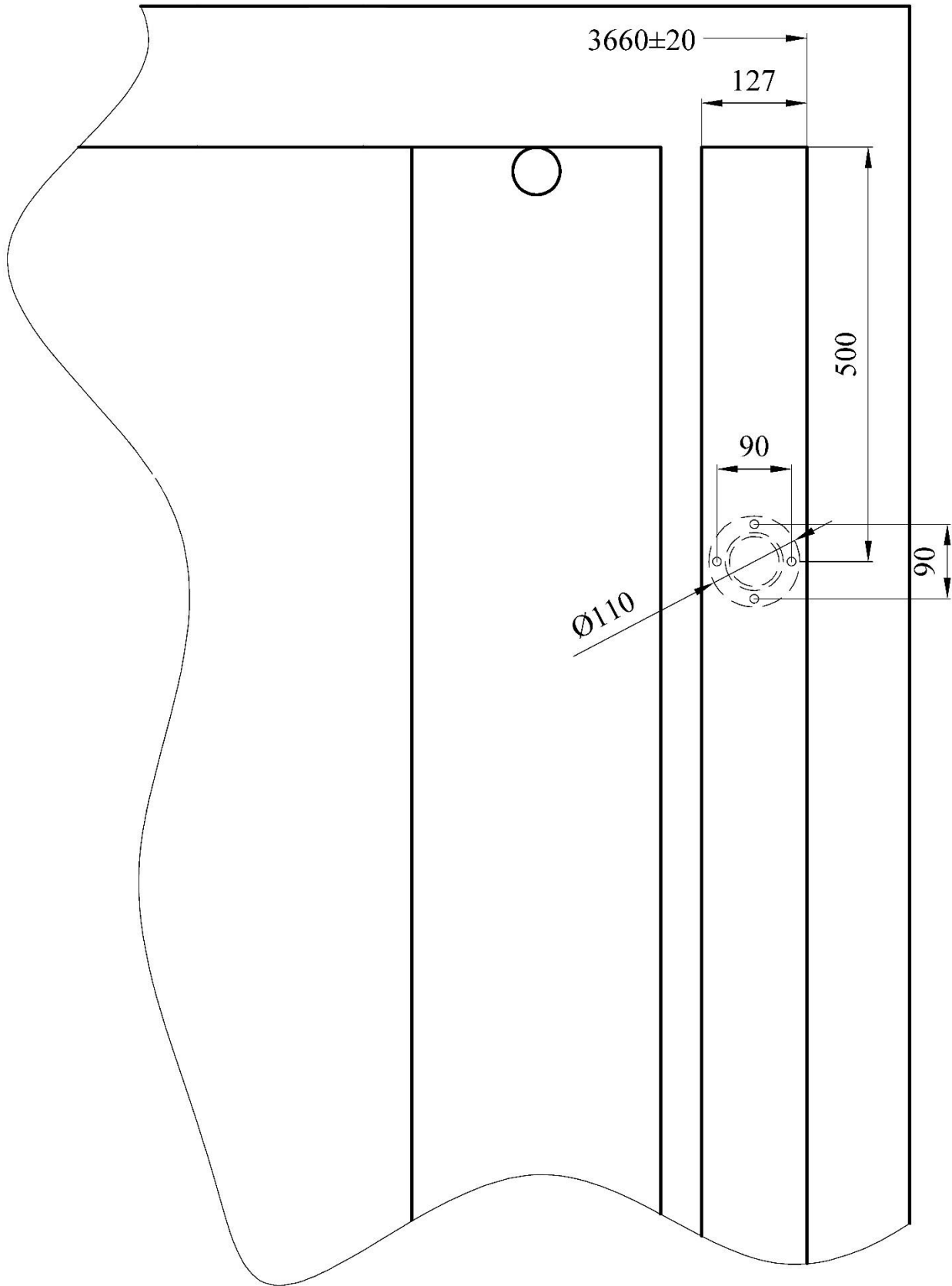




Drawing no. 3



Drawing no. 4



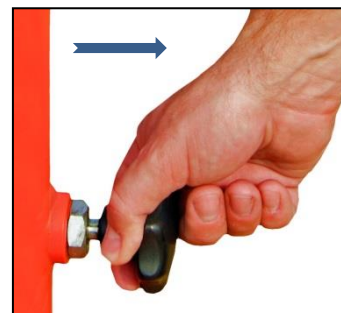
Drawing no. 5

#### IV. Operation and maintenance

To change the height please pull the knob and lift (or lower) both sides of the top beam simultaneously till the height catch blocks.

**Attention!** The rubber aprons of the telescopes are coated with a long lasting protection film against UV radiation during the production process, in order to maintain a proper condition of apron rubber UV protection agents should be regularly applied on them.

During idle periods the barrier must be stored in a roofed dry place. After every athletics season the barrier must be cleaned from sand (mud, dust and etc).



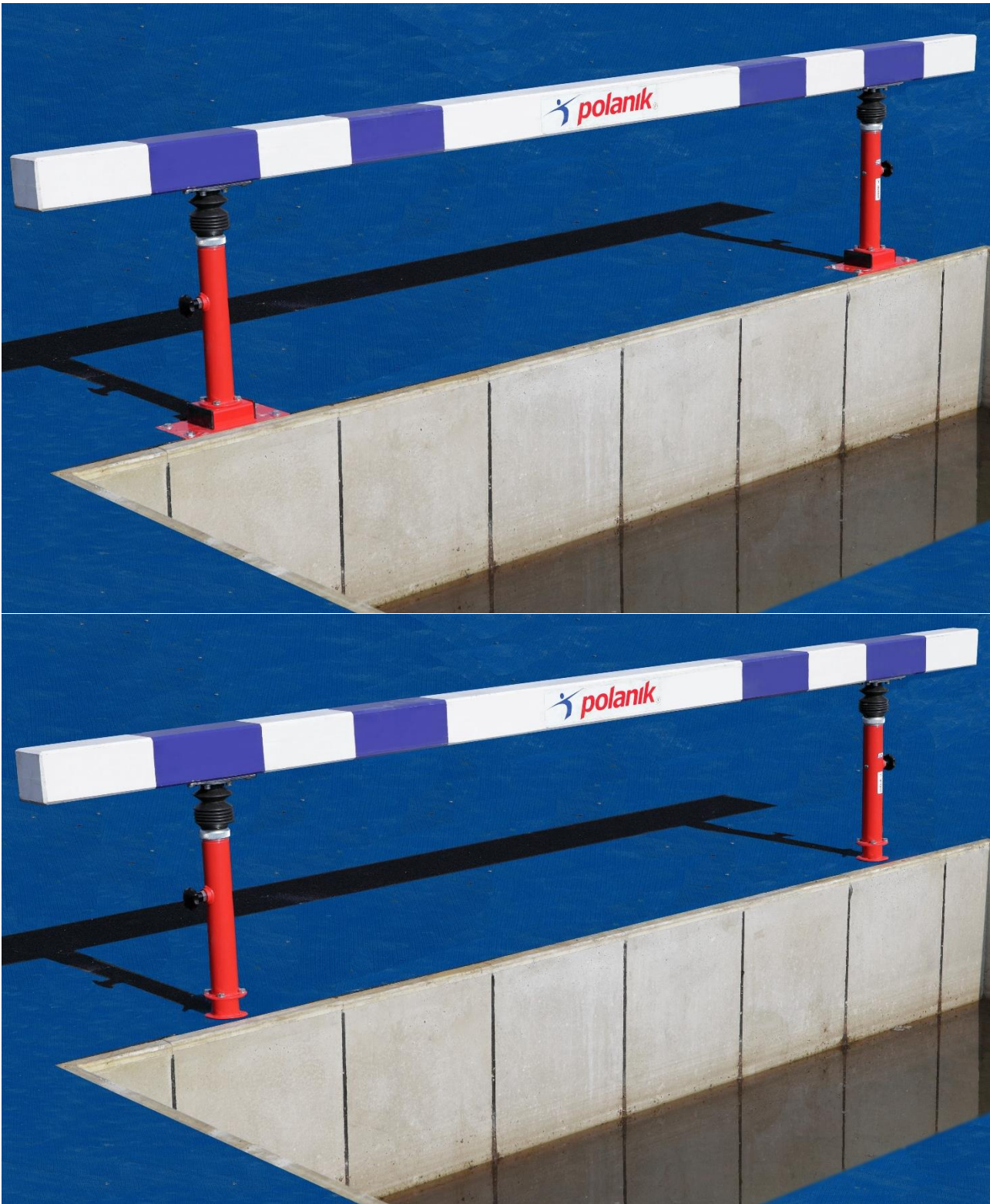
#### V. Packing and transport

The product is packed in cardboard and foil. The product needs to be assembled.

Package's dimensions [cm]	contents	1 barrier
	length	410
	width	17
	height	30
Volume [ m <sup>3</sup> ]	0,21	
Gross weight [kg]	86	



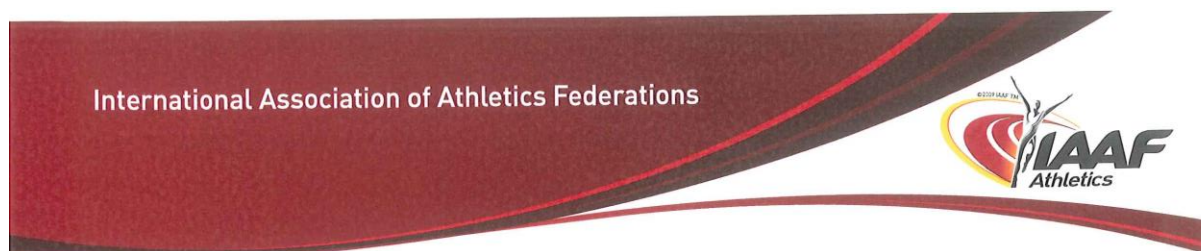
## VI. Product images



PP14-366 © 2019 Polanik

The producer reserves the right to introduce without warning changes in product constructions and colours.

## VII. IAAF Certificate



# Product Certificate

*The IAAF is pleased to certify hereby  
that the following product:*

**Product's Trade Name:** Steeplechase barrier, Water Jump

**Description, Colour / Absolute Thickness:** Adjustable height, White/dark blue/red

**Company Name, Country:** Polanik Sp. z o. o. - Sp. K., POL

**Catalogue Number:** PP14-366

**IAAF Certification Number:** E-14-0774

meets the dimensional requirements for use in all international athletics competitions.

It is for the purchaser to determine the item's fitness for the purpose based on his knowledge of the local conditions and use.

**Valid from:** 1 February 2018

**Until the last day of:** February 2022

This certificate is issued in accordance with the terms and conditions of the IAAF Certification System of track and field facilities, implements and competition equipment.



**SEBASTIAN COE**  
IAAF President



**JORGE SALCEDO**  
IAAF Technical Committee Chairman

