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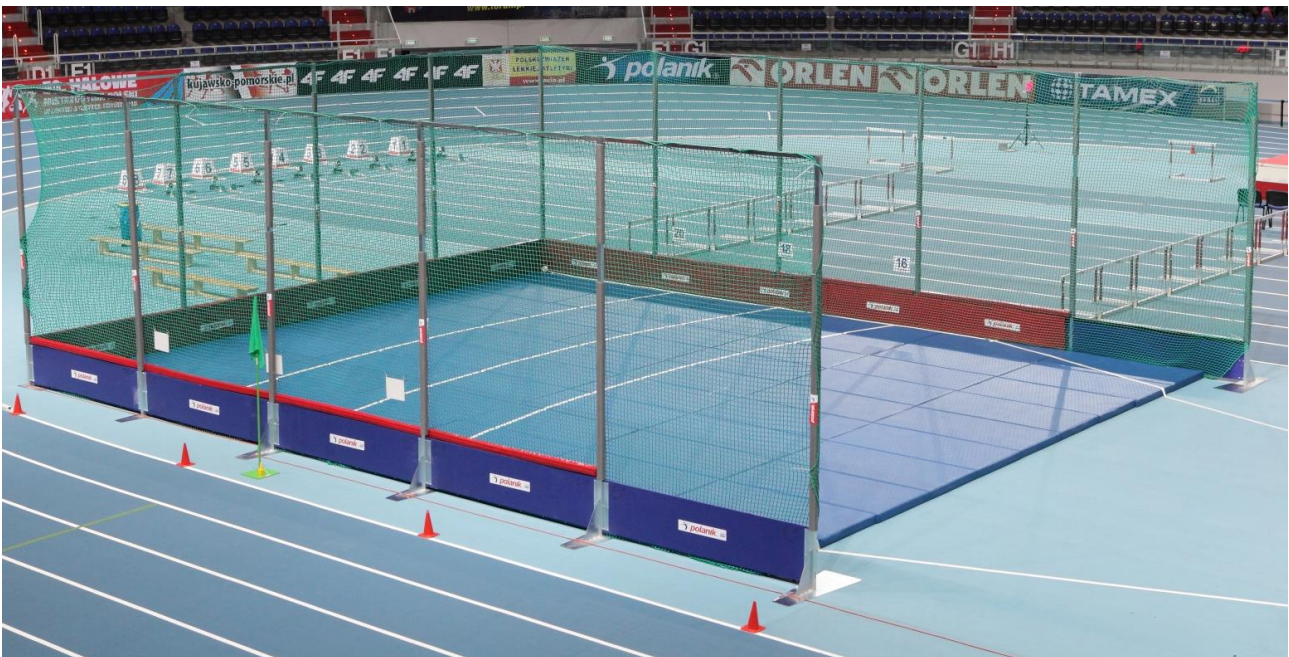
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## Technical specification User manual

### Indoor shot put safety barriers BO-308/3 BO-308/4



File: 2017-12-11  
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## Thank you for choosing POLANIK safety barriers BO-308/3 BO-308/4

### **Safe assembly and use**

- *Before you start to assemble and use the safety barriers please read this manual carefully. Polanik Sp. z o. o. shall not be liable for any cage damages which are the result of the failure to follow this manual.*
- ***As a result of an unsuccessful throw a shot put can fell out of the area protected by the barriers so it is essential to keep a safe distance from the barrier and throwing area during competitions and trainings.***
- *The sports equipment produced by Polanik Sp. z o. o. is designed for athletics training and use in sports competitions only. Please pay special attention when using the product, misuse of athletics equipment can cause serious injury or in extreme cases even death. That is why training and use during sports events have to be always supervised by authorized sports personnel. In no event shall Polanik Sp. z o. o. be liable for any special, incidental, indirect or consequential damages in connection with the purchase or use of POLANIK products or costs over the original cost of the product.*
- *Unauthorized copying of this manual, in whole or in part, is prohibited.*
- *The contents of this manual are subject to change without notice.*
- *Specific warranty terms:*
  - 1) *The use of the barriers requires properly labelled, secured and destined to throwing competitions sporting facility and supervision of a qualified staff, in accordance with IAAF (International Association of Athletics Federations) and with other regulations with reference to sporting facilities safety. Failure to follow the above restrictions results in the loss of the warranty rights.*
  - 2) *Safety barriers(BO-308/3 BO-308/4) are destined to stop shot puts which, as a result of an correct throw, hit on throwing area covered with special mat(MPK- 2110). The mat absorbs hit's energy. Those task's fulfilment carries a risk, that certain parts(for example pillars) can get damaged. Damages which came into being as a result of proper barriers' usage are excluded from the warranty.*

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### I. General use and description

Indoor shot put safety barriers (BO-308/3 BO-308/4) are designed for indoor shot put competition and training. Their task is to stop the implement which hits the landing sector surface. The barriers are to be used only together with the shot put indoor mats (MPK-2110). The mat absorbs the shot energy and makes impact marks visible for time needed to record the throw distance.












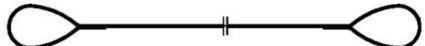
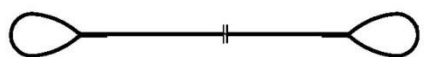


## II. Technical specification

Code	BO-308/3	BO-308/4
Type	indoor shot put safety barrier	indoor shot put safety barrier IAAF certified
Height [m]	3	4
Width [m]	10	10
Length [m]	12,5	12,5
Pillars	galvanized steel, foam protection tube	galvanized steel, foam protection tube
Feet	galvanized steel	galvanized steel
Segments	plywood 18 mm painted with ecological paint, equipped with steel galvanized catches and handles	plywood 18 mm painted with ecological paint, equipped with steel galvanized catches and handles
Foam pads	high quality foam, coated with PCV, thickness 50mm, Velcro® belts for fast installation	high quality foam, coated with PCV, thickness 50mm, Velcro® belts for fast installation
Net	mesh eye 45 x 45 mm, diameter 3 mm	mesh eye 45 x 45 mm, diameter 4 mm


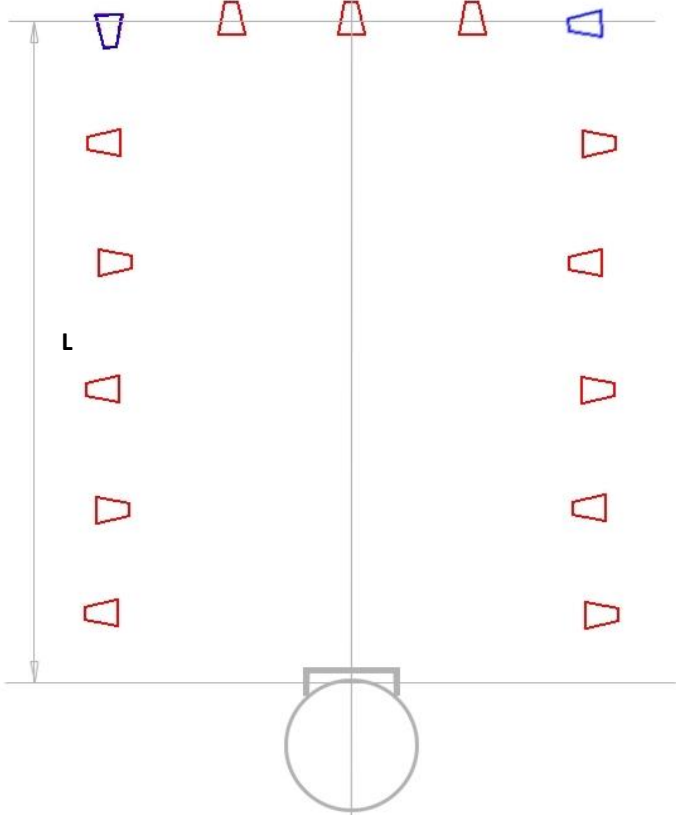
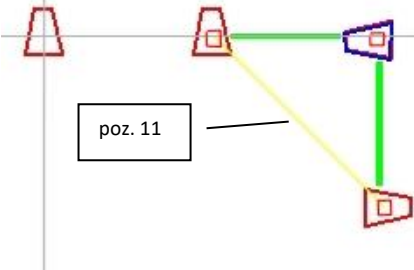



### III. Parts list

Item	Part 's name	Q-ty [pcs]	Sketch
1	Standard foot	13	
2	Corner foot	2	
3	Corner pillar	2	
4	Standard pillar	13	
5	Top crossbar	14	

Item	Part 's name	Q-ty [pcs]	Sketch
6	Barrier segment	14	
7	Foam side pad + Top pad	15 + 12	
8	Distance markers	16	
9	Hooks	160	
10	Long wire rope (steel, $\varnothing$ 3 mm 7,24 m)	2	
11	Short wire rope (steel, $\varnothing$ 3 mm 3,67 m)	2	
12	Certified net	1	
13	Self-adhesive tape	5	





#### IV. Assembly

Pt.	Assembly activities description	Sketch or visual photo
A	<p>The assembly and use do not require any tools apart from a ladder. The barriers should stand on flat, even surface. The assembly starts from the farthest barrier side.</p>	
B	<p>Assemble it at a distance of <b>L</b>- add 0,5m behind the actual personal best of the best athlete who takes part in the competition. Measure the calculated <b>L</b> distance from inside toe board's side.</p> <p>Then place standard feet(item 1) and corner feet(item 2) at 2,5m intervals. Arrange them by turns: the narrow end once inwards, once outwards, with an exception of back side and corner feet.</p>	
C	<p>Start from right barriers corner- connect two standard feet putting on them short wire rope's (item 11) loops.</p>	
D	<p>Then put on standard feet (item 1) standard pillars(item 4). Put corner pillar(item 3) on corner feet(item 2).</p>	



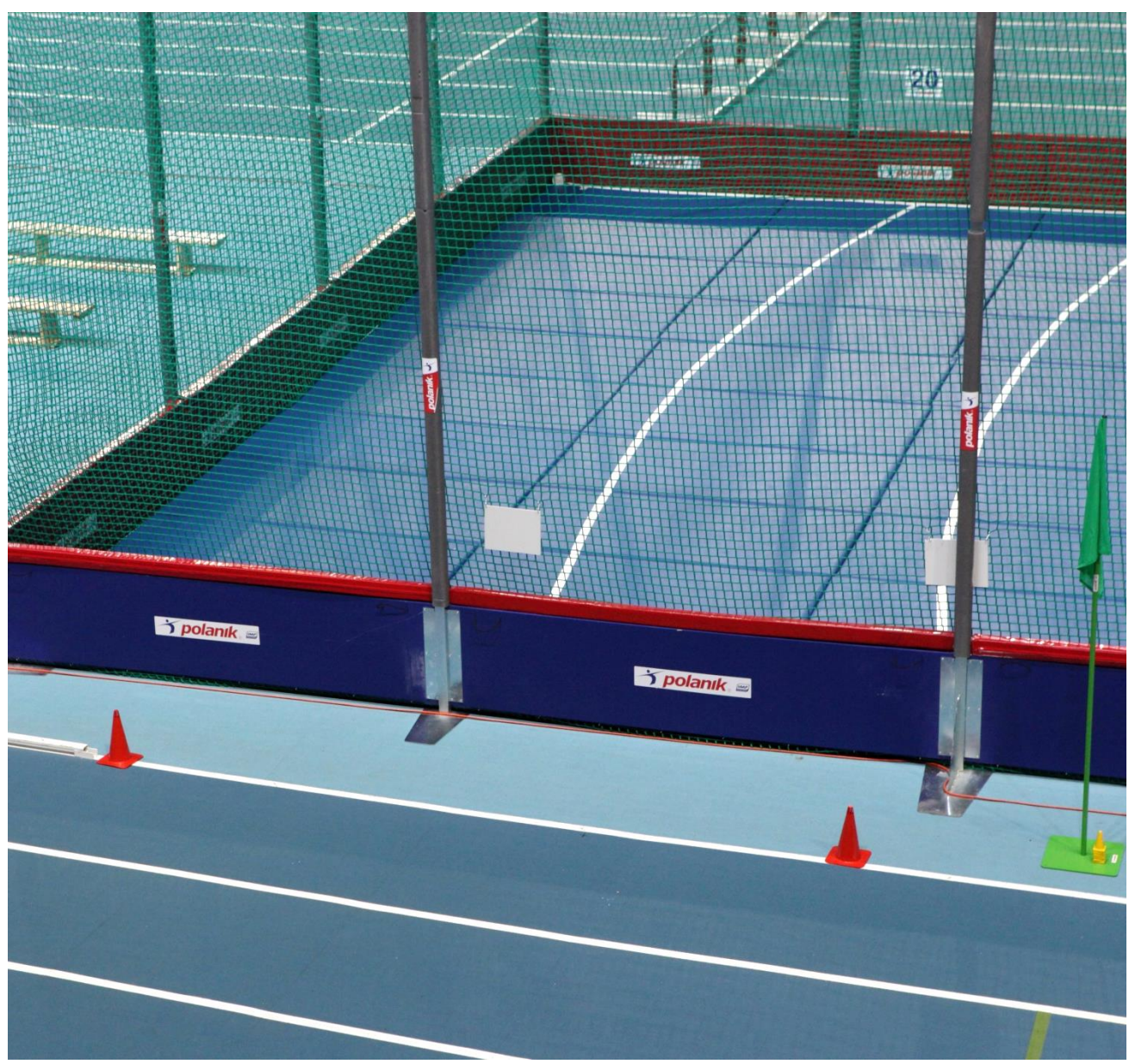
E	<p>Connect pillars using barrier segments(item 6) at the bottom and crossing bars(item 5) up above.</p>	
F	<p>Now put long wire rope's(item 10) loops on further standard feet(item 1). Install on them standard pillars(item 4). Connect pillars in the same way as in step E. After assembling the barriers there is a possibility to make slight corrections in segments' placing.</p>	
G	<p>On assembled segments install foam pads (item 7) according to the scheme no. 1 on page 11. Two extreme barrier segments (the closest to a competitor) do not possess the foam pads.</p>	

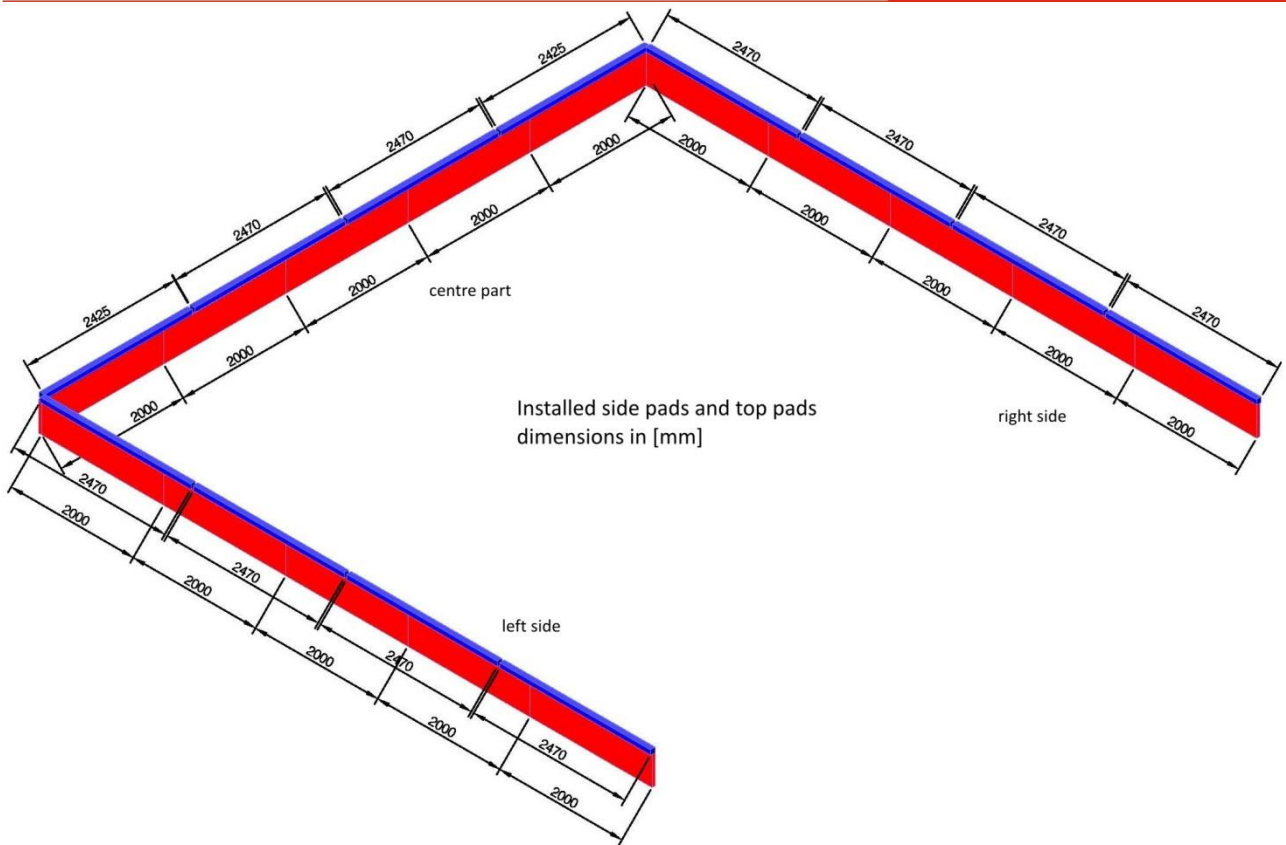


<p>H</p>	<p>Spread certified net(item 12) inside the barrier's perimeter.</p> <p>Fasten side net's brim to an extreme pillar using 8 hooks(item9)</p> <p>Fasten bottom net's brim using hooks placed at barrier segments(item 6) bottom. Wrap the upper net's brim around the top crossbar(item 5), tighten the net and fasten it using 8 hooks(item 9).</p>	
<p>I</p>	<p>Then cover all throwing area with indoor shot put mats MPK-2110 (Attention! The mat is not supplied to the set, it has to be bought separately)</p>	
<p>J</p>	<p>To mark out throwing area it is sufficient to lengthen white lines placed on indoor throwing circle SP0319 (Attention! The circle is not supplied to the set, it has to be bought separately) using self-adhesive tape(item 13). The throwing area should be in accordance with International Association of Athletics Federations IAAF rules(<i>Competition Rules 2018-2019, Section VI, Rule 222, page 206</i>).</p>	
<p>K</p>	<p>Then, using hooks (item 9), place distance markers (item 8) on both barriers' sides.</p>	

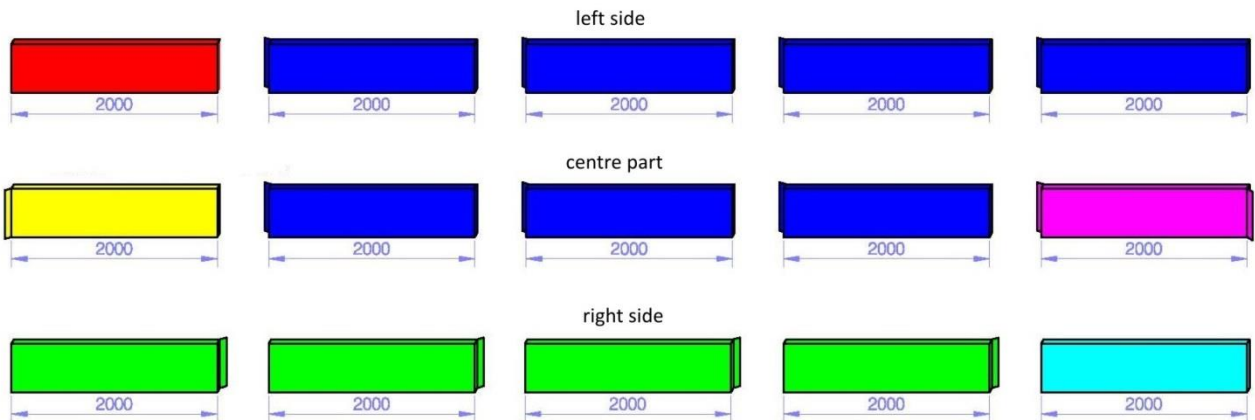








L The safety barriers is ready to exploit.





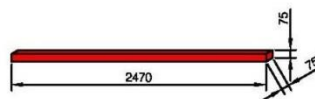
Installed side pads and top pads dimensions in [mm]



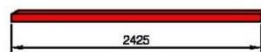
Side foam pad marked	pcs
	A 7
	B 4
	C 1
	D 1
	E 1
	F 1

[mm]

Top pad - length 2470 mm, marked "1", 10 pcs



Top pad - length 2425 mm, marked "2", 2 pcs



Scheme no. 1 [mm]

## V. Operation and maintenance

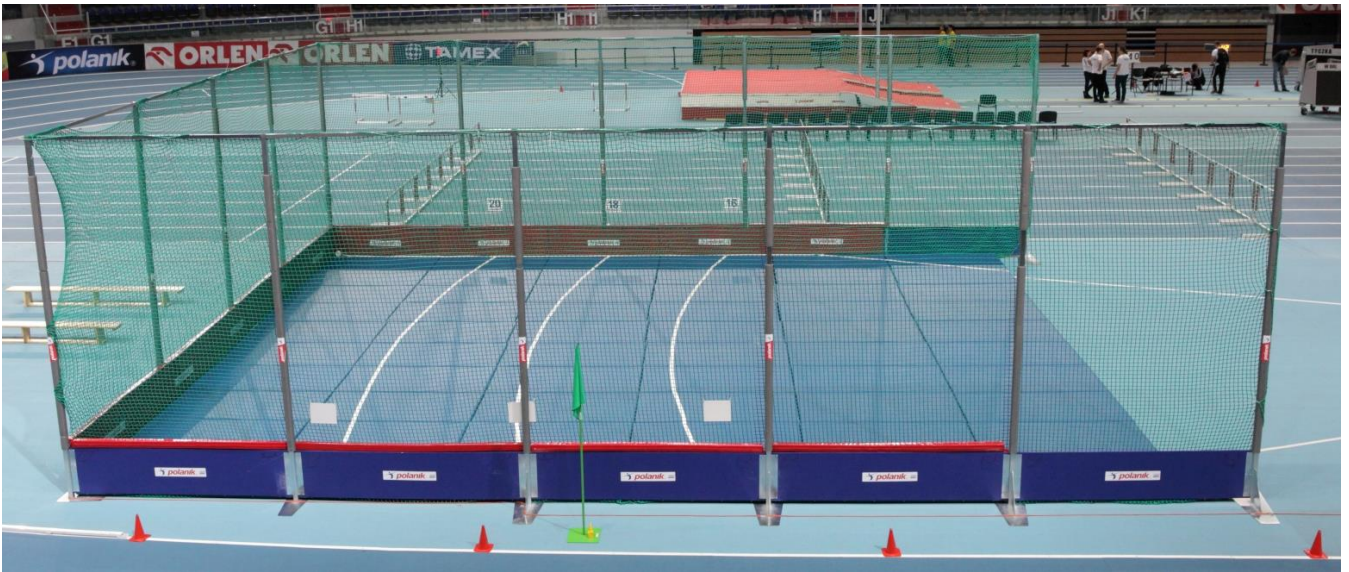
The safety barriers are not fasten to the ground, so it is possible that during competitions and trainings they can move slightly as a result of strong hit. If so, it is necessary to stop throws and level the segments. During the idle periods the barrier should be stored in a dry roofed place. Any defects in paint coating and zinc layer revealed during regular inspections of the barrier elements must be respectively repaired with wood paint and anticorrosive paint.

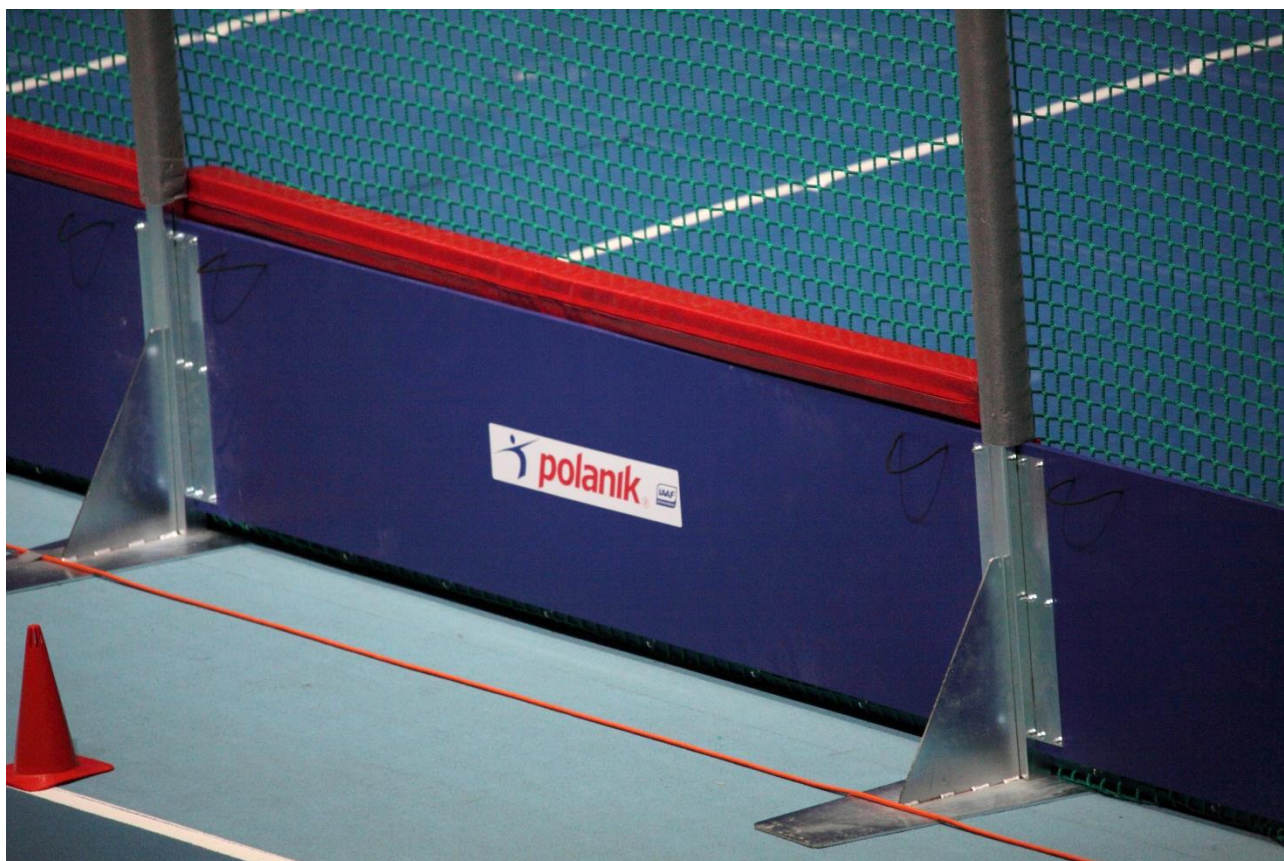
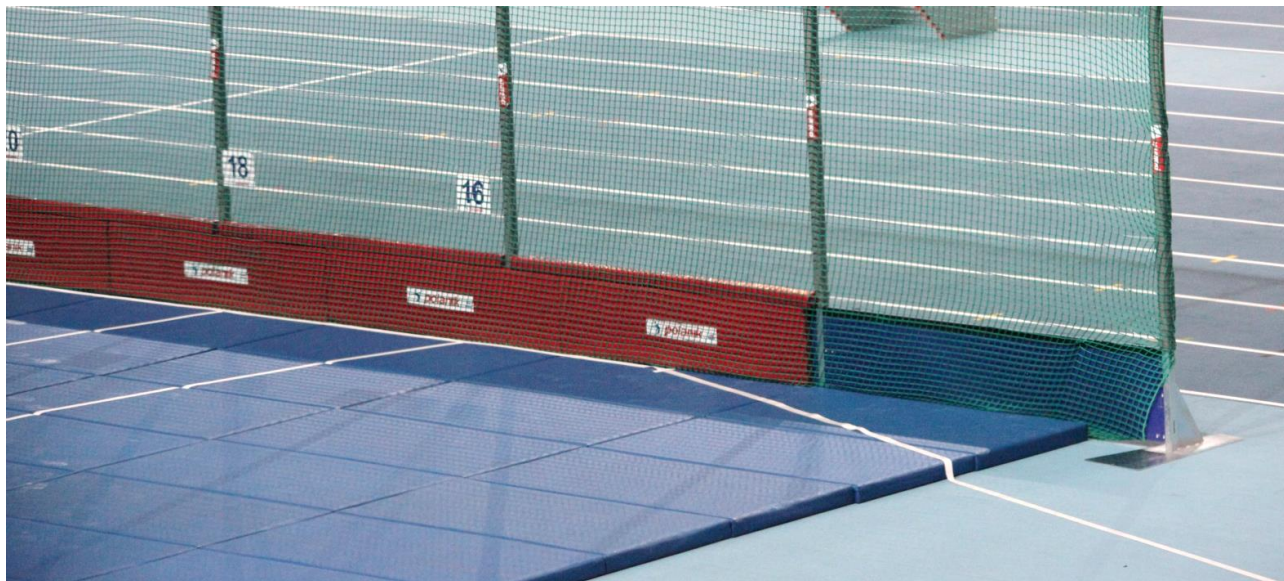
## VI. Packing and transport

The set is wrapped with foil and put on pallets. Dimensions 3000 x 1100 x 550 [mm]. Gross weight 590 kg, net weight 540 kg.



## VII. Product's images





BO-308/3 BO-308/4 © 2017 Polanik

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

## VIII. IAAF Certificate

International Association of Athletics Federations



# Product Certificate

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

**Product's Trade Name:** Throwing cage, Shot Put Indoor, Competition,

**Description, Colour / Absolute Thickness:** Stop barrier & protective netting, Steel/ plywood, Blue/red

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

**Catalogue Number:** BO-308/4

**IAAF Certification Number:** E-13-0753

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 December 2017

**Until the last day of:** December 2021

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

