

TECHNICAL SPECIFICATION

Safety cage for discus throwing, complies with IAAF 2020

KLD17-5/7-A



The cage is installed on the movable bases (as shown above) or on the ground anchors. The movable bases and the ground anchors are available separately.

File: 2019-02-26
PRODUCT SUPPORT
Paweł Ciechanowski
p.ciechanowski@polanik.com



I. General description and use

The safety throwing cage is a modern construction manufactured from high quality materials. The product is designed to be mounted in a discus throwing facility of a sports arena on embedded ground anchors or portable bases¹. The throwing cage is designed to protect the spectators against the improperly released discus which misses the cage mouth, its task is to stop the discus and absorb the discus' kinetic energy.

Main features:

1. Innovative construction

The net is hung in such a way that it does not touch the aluminium structure in any point. The cage pillars are not linked with each other by means of inflexible elements, that is why they work independently. Application of anchors (instead of popular sockets) eliminates rusting caused by water penetration in the lower parts of the cage.

2. High durability

The cage construction is made of anodized aluminium. All tube ends are protected with plastic caps. They stop water from getting inside the construction and provide good finish. Steel elements are hot galvanized or electro-galvanized. All ratchet mechanism casings are additionally coated with powder paint.

3. High quality

The cage conforms to the International Association of Athletics Federations (IAAF) 2020 rules. The cage is equipped with a high quality, certified net. The net is tightened and fastened at the cage bottom by means of steel cable and hooks, without traditional bags filled with sand.

4. Easy operating:

Each pillar is equipped with the self-blocking mechanism of lifting and lowering the net by means of crank. A fast assembly and disassembly of the cage is guaranteed by the hinge connection between the pillar foot and the anchor (portable base).



5. Equipment available separately

OS290 – steel pillar shield

OS16-0510 – cage pillar extension arm steel shield

OM-1 – soft pad for steel pillar shield

K1-0237 – set of ground anchors

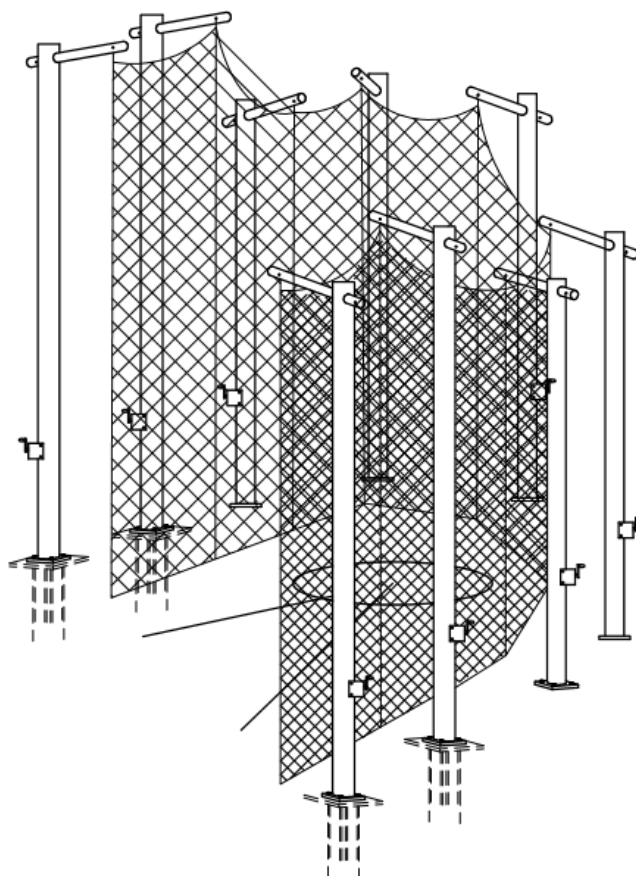
K1-0551 – portable cage base set with accessories, makes it possible to set up Polanik discus cage on any even surface only for competitions, steel galvanized portable bases, steel powder painted horizontal connectors

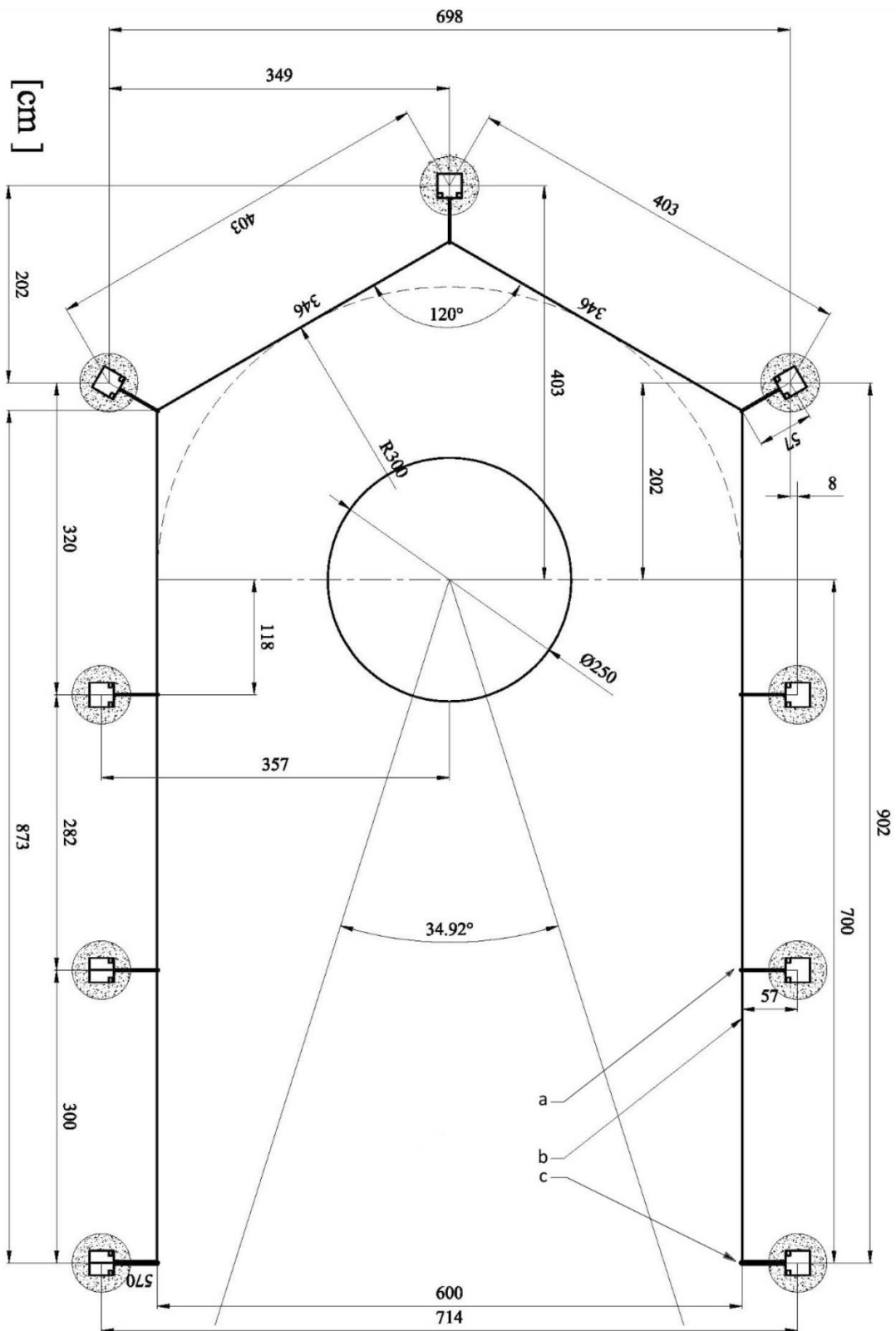
¹ Portable bases set is used only for organizing discus throw competitions.

II. Technical specification

Code – whole set (net + construction)	KLD17-5/7-A
Code – ground anchor set*	K1-0237
Code – portable bases set with accessories*	K1-0551
IAAF certificate no.	E-17-0943
Cage type	competition, certified, discus throw
Supporting construction	aluminium pillars (9 pcs.), anodized, screwed to special embedded flat anchors or portable bases
Safety net	certified, breaking resistance above 300 kg, mesh dimensions 44x44 [mm]
Cage mouth width (measured in the distance of 7 m from the centre of the throwing circle)	6
Front cage net height [m] for the 3 m nearest the cage front	7
Rear cage net height [m]	5
Gross weight [kg]	900
Gross weight [kg] ground anchor set*	135
Gross weight [kg] portable bases with accessories*	1000

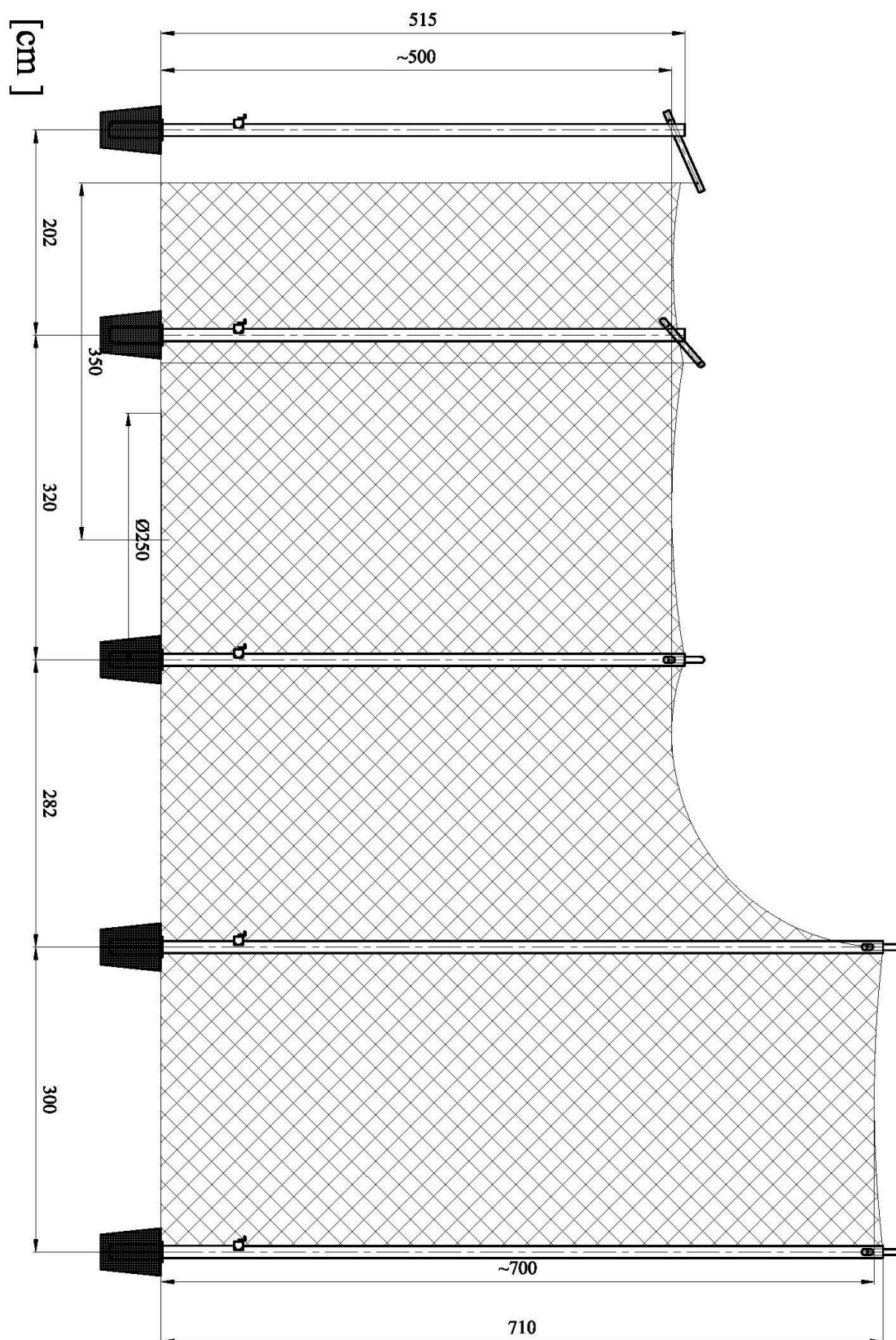
*available separately





- a – standard ground anchor
- b – projection of net
- c – extreme ground anchor

KLD17-5/7-A dimensions and positions of ground anchors



KLD17-5/7-A side view

III. Product images



KLD17-5/7-A © 2019 Polanik

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

IV. Packing and transport

The aluminium pillars are foiled and transported loosely. The net with the accessories is shipped in the steel container which is ideal not only for transport, but also for storing the net.

V. 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, Discus Throw

Description, Colour / Absolute Thickness:

Anodised aluminium, 7m-5m high

Company Name, Country:

Polanik Sp. z o. o. - Sp. K., POL

Catalogue Number:

KLD17-5/7-A

IAAF Certification Number:

E-17-0943

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

