

TECHNICAL SPECIFICATION **ASSEMBLY MANUAL**

Pole vault foldable club stands with electronic readout Polanik Club STT17-63F



Thank you for choosing Polanik Club pole vault stands STT17-63F.



Safe assembly and use

- *Before you start to assemble and use the stand please read this manual carefully, watch the instruction film about the Polanik Professional foldable stands, the folding mechanism of the Polanik Club foldable stands is based on the same idea (scan the QR code to watch the film on the webpage):*



- *Do not install or use the stands without a landing area.*
- *The stand bases must be anchored to the ground.*
- *During idle periods the posts of the stands which are installed outside must be folded and the whole jumping facility must be secured with garage, or if there is no garage available the stands must be disassembled and stored in a dry roofed place.*
- *The stands come with the electronic counters which are programmed and calibrated at our factory. The counter is always on. The battery life is min. 5 years. The keypad is blocked to protect factory settings against any accidental alternation. If the settings of the counter are erased please contact us before using the stands.*



- *The sports equipment produced by Polanik is designed for athletics training and use in sports competitions only. Please pay special attention especially when using throwing implements and other throwing equipment, misuse of athletics equipment and implements 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 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.*
- *The producer reserves the right to introduce without warning changes in product constructions and colours.*

I. Characteristics of the pole vault stand STT17-63F

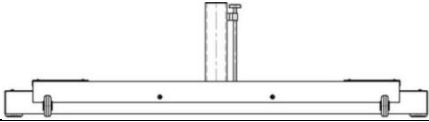
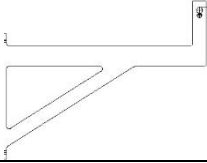

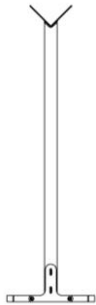
STT17-63F is a complete pole vault club foldable stand set. It is designed to conduct pole vault training and pole vault competitions.

The key features of the stand are as follows:

1. Innovative construction:
 - Implementation of electronic height indicator begins a new era of constructing PV standards, original Polanik solution has removed a traditional measuring tape, hermetic indicator casing with stainless steel hub installed on crank, resistant to high temperature and humidity, resistant to UV radiation and chemical agents, equipped with brake, battery life min. 5 years.
 - Uprights are equipped with simple and reliable system of folding posts above landing area surface, when blocking bolts are removed posts are put on landing area and whole facility is secured with garage.
2. High durability:
 - All stand parts are manufactured from long-lasting materials like aluminium, galvanized steel and plastic, and stand base casings are galvanized and additionally powder painted.
3. High quality:
 - STT17-63F complies with the international quality standards what is confirmed by the certificate of the International Association of the Athletics Federations (IAAF).
4. Easy operating:
 - The stands can be assembled and disassembled quickly, assembly (or disassembly) takes approximately 30 minutes done by 2 people.
 - Crossbar lifting mechanism and post sliding mechanism work very quietly and smoothly.
 - Height adjustment crank is equipped with brake securing crossbar support against uncontrolled movements.
 - Base wheels help significantly to move stands to desired positions.



II. Parts list (sets)

Part/set description	Q-ty Pcs.	Part/set sketch/Photo
Base	2	
Crossbar support	2	
Post	2	
Support to safely secure folded post	2	

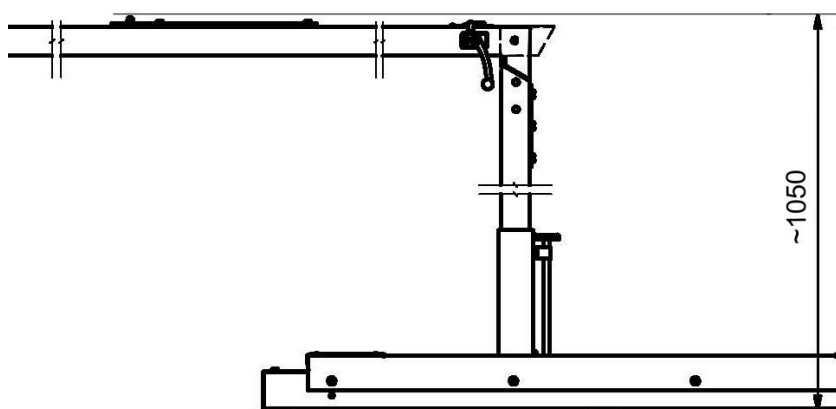
III. Technical specification

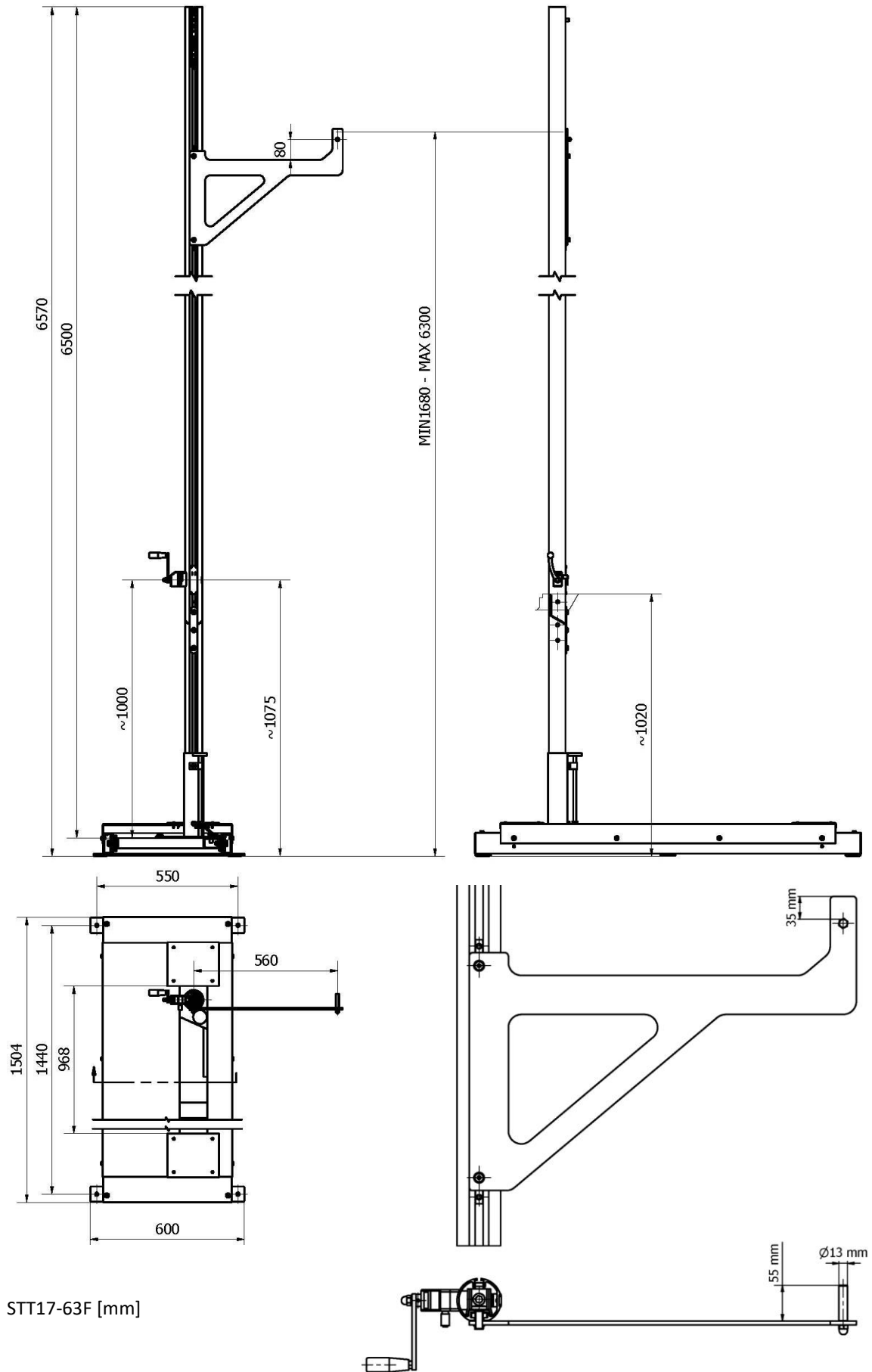
STT17-63F

Stand type	foldable, club, IAAF certified	
Crossbar support	aluminium, powder painted	
Post	special aluminium anodized profile, foldable and detachable	
Base	galvanized steel, powder painted steel sheets, equipped with wheels, with 4 anchoring holes	
Folding mechanism	slidable blocking bar, fastened with 3 screws	
Crossbar support lifting mechanism	hand crank with brake, smooth operation	
Post shifting mechanism	manual with hand wheel brake, smooth operation system based on special guide rolls	
Height readout	in [cm], electronic counter, hermetic indicator casing with stainless steel hub installed on crank, resistant to high temperature and humidity, resistant to UV radiation and chemical agents, battery life min. 5 years	
Height range [cm]	168 – 630*	
Post horizontal shift range [cm]	0-80	
Height of folded stand [cm]	105	
Net weight [kg]	150	
Gross weight [kg]	165	
Packing and transport	1/3	6,65 x 0,35 x 0,35 [m]- post packed in foil
	2/3	6,65 x 0,35 x 0,35 [m]- post packed in foil
	3/3	1,70 x 0,85 x 0,65 [m]- bases and crossbar supports on a pallet

*approximate values

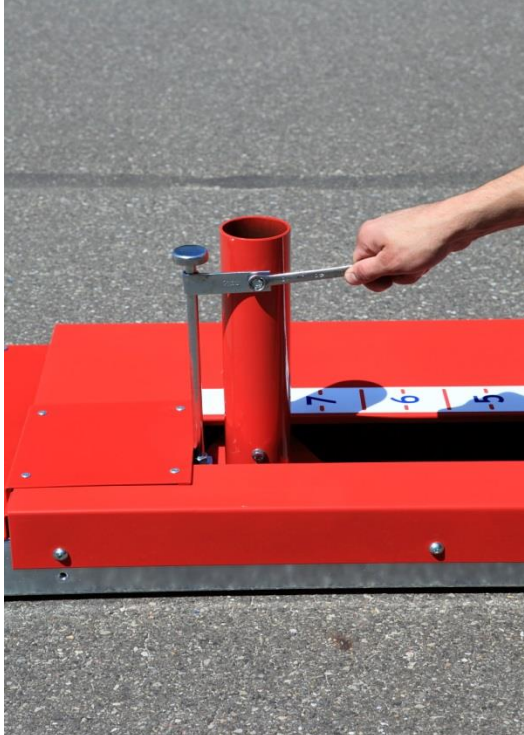


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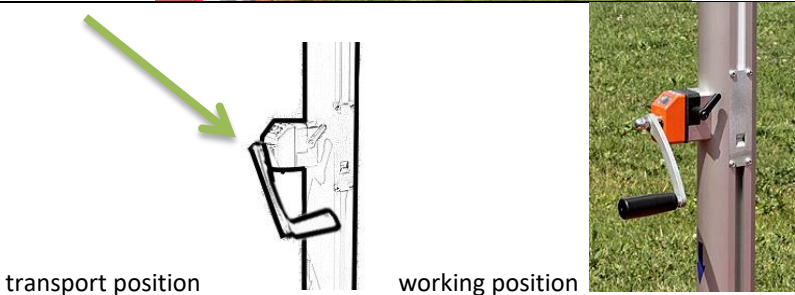







IV. Assembly

Step	Description	Image
1	<p>Unpack the product: remove a foil from a pallet and using two 19 wrenches unscrew nuts on each pallet's corner, remove a foil from posts.</p>	
2	<p>Read all marks carefully on the posts and the bases.</p>	

Step	Description	Image
3	Ease screws using a metric wrench no. 13.	
4	Put in the post.	
5	Screw down the screws using a wrench no. 13.	

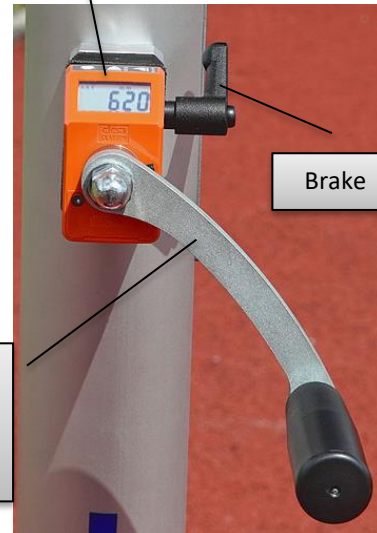
Step	Description	Image
6	Fasten the crossbar support using a hex key no. 6.	
7	Change the crank lever's position from "transport position" to "work position": unscrew a fastening nut, rearrange the crank lever, home the nut using a metric wrench no. 17.	 <p>transport position</p> <p>working position</p>
8	Transport assembled stands to the place of use.	
9	<p>After assembly and positioning the stands their bases must be fastened to the ground using the mounting holes of the flat bars of the bases.</p> <p>⚠ The omission of that operation may cause the stands overturn and result in serious accident or damages.</p>	  <p>It is recommended that hex nut head steel sleeve anchors dia. 12 mm and length 100 mm (holes in concrete must be of dia. 12 mm and 100 – 120 mm deep) are used for anchorage. The concrete layer is to be dry and non-cracked. For the installation of the anchors please see their producer's instruction.</p>

V. Operation

Adjusting the height

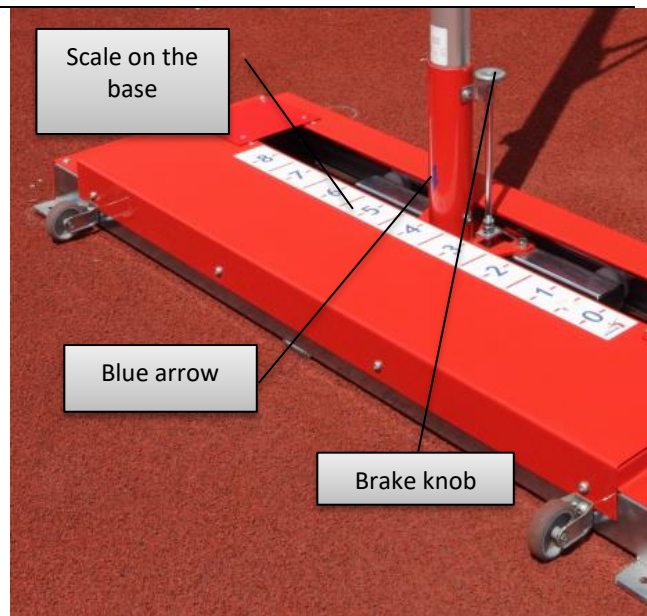
1. Turn the brake handle counter clockwise to release the brake.
2. Turn the crank clockwise or counter clockwise until a desired height is visible on the electronic counter.
3. Turn the brake handle clockwise to block the brake until you feel resistance, do not use excessive force.

Electronic counter displays actual height in [cm] at which the upper edge of the crossbar is positioned.



Adjusting the distance from "0" line

Turn the brake knob counter clockwise to release the brake, position the blue arrow (situated on the post sleeve) so that it points to a desired distance from "0" line on the scale installed on the stand base, and then turn the brake knob clockwise to block the brake.



Folding the post

You need 2 people to fold the post.

To fold the post the landing area or the support (included in the set, item 4) is needed.

1. Adjust the height to minimum, and slide the post to "0" on the base.
2. While one person is securing the post as high above the hinge as possible, the other person loosens the screws of the blocking bar, and slides it down to unlock the hinge.
3. Next lower the post slowly and put it carefully on the landing area or support (included in the set, item 4).



Do not let the post fall down freely on the landing area or on the support, the post's inertial force may damage the stand. Do not fold the post without landing area or support. Do not let the post fall down on the ground – it may damage the stand folding mechanism.



Lifting the post to upright position

Adjust the distance of the post to "0". Lift the post slowly to upright position. While one person is securing the post, the other one should rise the blocking bar and screw down the screws.

VI. Remarks on maintenance and operating the stands

As the producer we have done our best to make pole vault stands guarantee maximum safety level, be easily operated and reliable in use. However the stands like any other pieces of sports equipment requires periodical inspections and must be used according to the instruction manual, the IAAF rules and operated by authorized personnel. While operating the stands the following rules must be observed:

- The base wheels should be only used to transport the stands on level surfaces and within short distances. For long distances you must unscrew the posts from the bases.
- While changing the height of the crossbar support or adjusting the distance of the post to "0" line make sure to slow down before reaching extreme positions. That allows you to avoid "banging" which may result in excessive load of the mechanisms.
- During idle periods the stand posts must be folded and put on the landing area (or the included supports, item 4) and the whole jumping facility must be secured with a garage.
- If there is no garage available in the facility, the folded posts must be protected against rain with a waterproof cover (not included), but that is only acceptable during summer athletics season. When the season ends the stands must be dismantled and stored in a dry and roofed place.

VII. Images





STT17-63F © 2017 Polanik

VIII. IAAF Certificate



Product Certificate

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

Product's Trade Name: Uprights, Pole Vault, Polanik Club, foldable

Description, Colour / Absolute Thickness: Aluminium, mechanical with electronic readout, Silver/red

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

Catalogue Number: STT17-63F

IAAF Certification Number: E-17-0944

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

