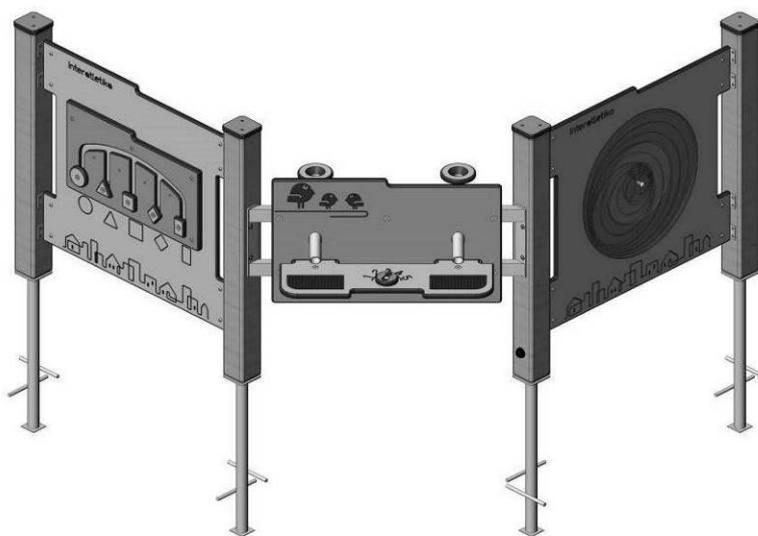


DATA SHEET

Playground elements

LK601, LK602, LK603, LK604, LK605, LK606,
LK606.1, LK607, LK608, LK609, LK609-ENG,
LK610, LK615



CONTENT

1. GENERAL INFORMATION	3
2. PRODUCT ASSEMBLY AND INSTALLATION PROCEDURE.....	3
3. PRODUCT USE.....	3
4. PRODUCT MAINTENANCE.....	3
5. INFORMATION ON STORAGE, TRANSPORTATION AND RECYCLING	4
6. TECHNICAL DATA AND ASSEMBLY SCHEMES.....	Ошибка! Закладка не определена.

FOR NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

1. GENERAL INFORMATION

Purpose and content of this document. This document contains a general description of the equipment, information on installation, intended use, maintenance, current repair and manufacturer's warranty.

Distribution of this document for product modifications. The manufacturer can make changes to the design of the product, aimed at improving its characteristics, changing the design, etc. This document may not contain a description of such changes, but applies to such modified products.

2. PRODUCT ASSEMBLY AND INSTALLATION PROCEDURE

Tools and accessories. The product does not include the tools required for assembly and installation.

Product assembly and installation procedure.

- 1) Mark the area as indicated on the foundation layout scheme.
- 2) Dig the holes for the installation of the embedded parts and attachments. Levelling the depth of the holes by deepening them or adding gravel.
- 3) Assemble and install the equipment in accordance with the assembly schemes - chapter 7.
- 4) Concrete the embedded parts and support structures of the attachments. When installing the product on sandy soil, the overall dimensions of the holes should be increased for 15-20%.

To avoid cracking of the wood, for screws with a diameter of more than 4 mm, drill holes with a diameter of 0.6...0.7 mm to a depth of 0.8 of the screw's length.

WARNING! The presence and participation of children during the installation of the product is not allowed.

3. PRODUCT USE

Do not use the product until it has been fully and completely installed.

The product must not be used by users of a different age and weight category.

Before using the product, clear the safety area of any unnecessary objects that may cause damage to the user (debris, tools left over from assembly and installation, etc.).

Do not use the product in adverse weather conditions (ice, snow, rain, hail, strong winds, etc.), which may cause injury to the user.

4. PRODUCT MAINTENANCE

You have purchased high-quality and reliable equipment. In the process of its production, the requirements of regulatory and technical documents of Ukraine, the CIS countries and the European Union regulating the production of children's gaming equipment were taken into account. However, it should not be forgotten that when operating any technical product, certain rules and requirements must be followed. Despite the fact that our product is of high quality and reliability, this rule applies to it in full. You should be aware that the implementation of the following rules and recommendations for product maintenance is aimed at ensuring that your child, the child of your friends or acquaintances is safe and no unforeseen factors threaten his health, life.

Remember that the operation of the product is accompanied by the influence of various negative factors on it, a complete list of which cannot be predicted. Among them, an important place is occupied by natural factors and factors caused by human influence on equipment. As a rule, their action initially leads to disruptions in the appearance of the product. Thus, under the influence of factors caused by the exploitation of a person, there may be damage to the integrity of the paint coating of parts made of wood, in the form of scuffs, chips, incisions, and when exposed to parts made of metal, damage to the paint coating in the form of nicks, chips, abrasion, etc. This leads to the emergence and development of defects that can be the cause of the destruction of the product. The product is particularly dangerous if it is used for other than its intended purpose, if the permissible loads are exceeded, or if vandalism occurs, as these factors can cause irreversible changes in the structure of the material from which the product is made, leading to destruction.

The maintenance of the product implies, first of all, the responsibility of the user to comply with all recommendations provided in this document, starting with a daily inspection of the external condition of the product before operation.

Daily inspection of the product is a very important procedure. With its help, you can timely detect any changes in the appearance of the product (deformation of individual parts, deformation of the structure as a whole or part of it, damage to parts, cracks of welds, as well as the absence of fastening of parts of the product, etc.).

Before using the product, check its operability, absence of damage, dirt on the product, sharp edges, reliability of fixing the structure, absence of unnecessary objects on the surface of the site. If the product is damaged, fully or partially inoperable, or has any other defects, do not use it.

During operation it is also necessary to inspect the condition of the product periodically - the current inspection. It includes an external inspection of the product, checking its operability (in the presence of moving elements - the smoothness of the movement of mechanisms, compliance with operating modes, etc.). Current inspection allows you to detect malfunctions caused by the operation of equipment, climatic conditions, acts of vandalism and other factors, until they reach a critical level and the destruction of the product. The current inspection is carried out in order to detect foreign objects that may threaten the user and lead to violations of the functioning of the product. The frequency of the current inspection is set by the owner taking into account the operating conditions. If you do not have sufficient technical knowledge and skills to conduct such inspections, we recommend you to contact the authorized specialists of the manufacturer in order to obtain advice.

Every three months, a scheduled inspection should be carried out, which primarily concerns the foundation part, load-bearing elements and connection nodes of elements (their integrity and degree of deterioration).

The main annual inspection must be carried out annually by authorised specialists of the manufacturer. During the inspection, the technical condition of the equipment shall be assessed for compliance with safety requirements. The degree of deterioration and damage to wooden elements and their ability to withstand the applied loads, damage, corrosion of metal elements and the impact of these factors on the safety of the product are determined. The inspection also helps to identify the impact of repairs, if any, on the safety of the equipment.

Based on the results of the inspection, a maintenance procedure is carried out to eliminate the identified discrepancies in the product's operation. This procedure includes assessing the condition of parts and assemblies, replacing worn parts, and restoring the integrity of protective coatings. The results of the inspections, as well as the procedures carried out as a result of the inspection and maintenance of the product must be properly documented in the Registration Journal, which is an integral part of this passport. The owner of the product must keep the acts of maintenance of the product, acts of repair work done.

5. INFORMATION ON STORAGE, TRANSPORTATION AND RECYCLING

The product is transported in the manufacturer's packaging by any means of transport that ensures its safety and protection from external factors (rain, snow, sunlight, water, high humidity, etc.).

Information about transportation

Date		Brand, state number of the ca/trailer	Position, full name	Signature
Departure	Arrival			

Before installation, store the product in the original packaging in dry, closed rooms with natural air ventilation.

If it is necessary to transport the product to another location after use, it is recommended to use the manufacturer's packaging.

If long-term storage of the product is required, the following storage rules must be observed (the list of conditions is not complete):

- place the product in a closed dry room with natural ventilation;
- protect the product from external factors (dust, water drops, etc.) with a large plastic bag, leaving space for free air circulation;

- take other measures to preserve the appearance and characteristics of the product during storage.

When removing the product from storage and preparing for installation, follow the next recommendations:

- remove the product from the packaging material (polyethylene, cardboard, other packaging materials);
- remove dust and other contaminants from the surface of the product;
- check completeness and absence of parts damages.

Storage information

Date		Product storage conditions	Full name	Signature
Putting into storage	Removal from storage			

After the end of the equipment's service life, the buyer independently determines the procedure for its use. If you decide to recycle, contact the seller or specialized organizations.

The equipment does not contain harmful impurities and materials that can harm your health and is not subject to special recycling.

6. TECHNICAL DATA AND ASSEMBLY SCHEMES

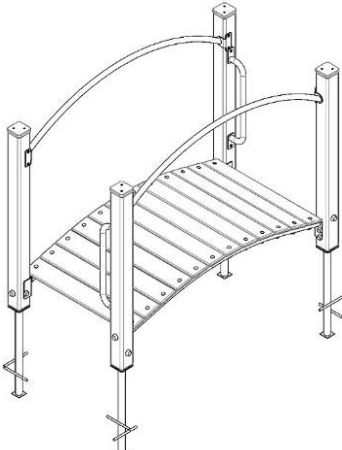
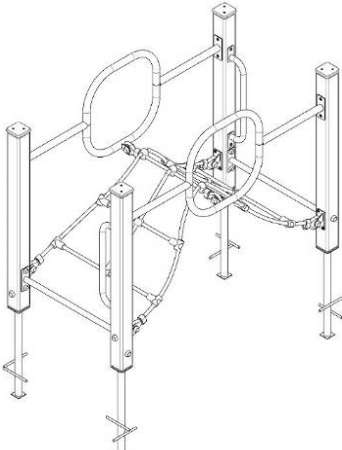
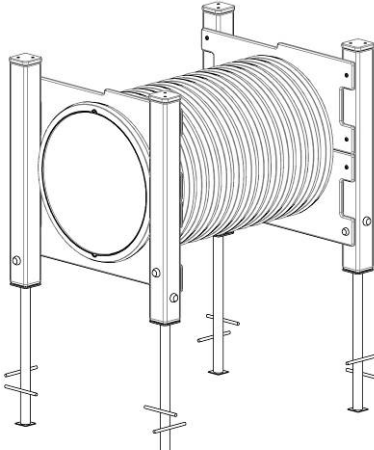
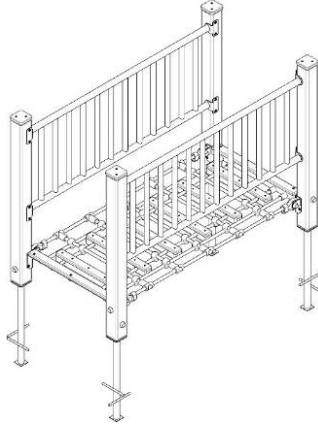
Table №1 – Technical characteristics

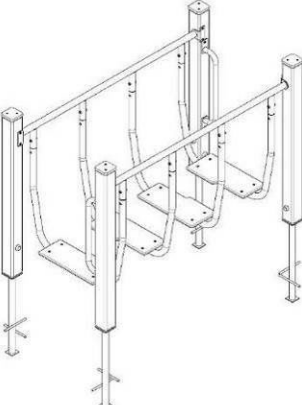
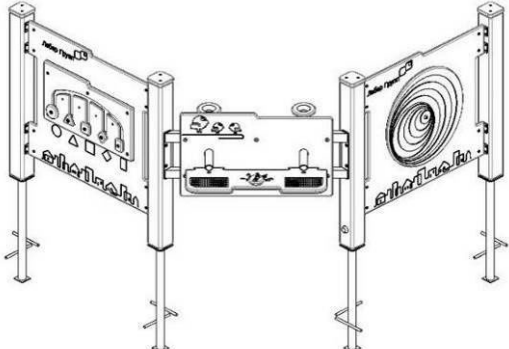
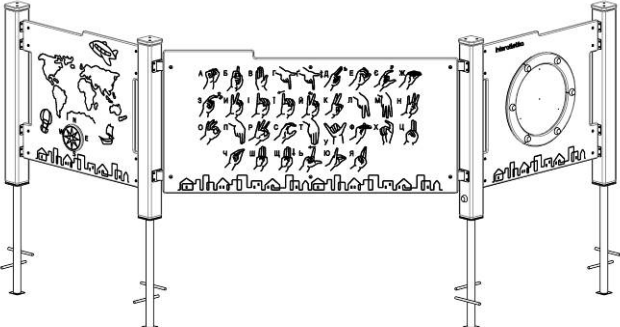
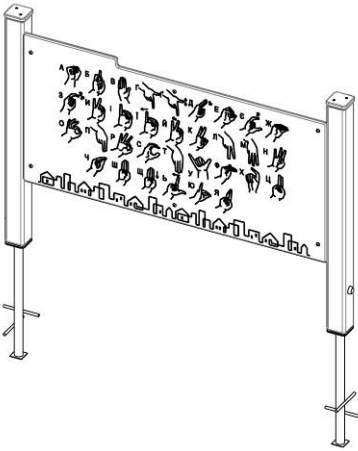
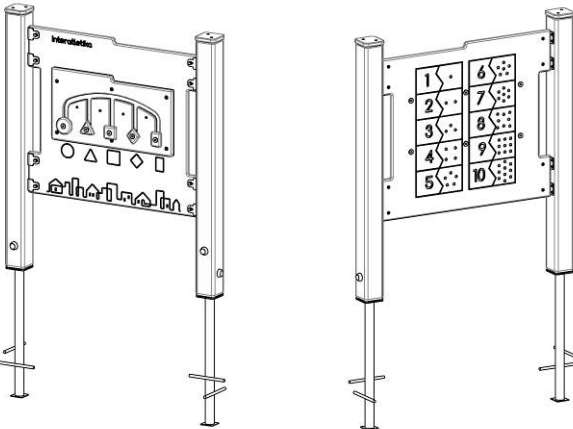
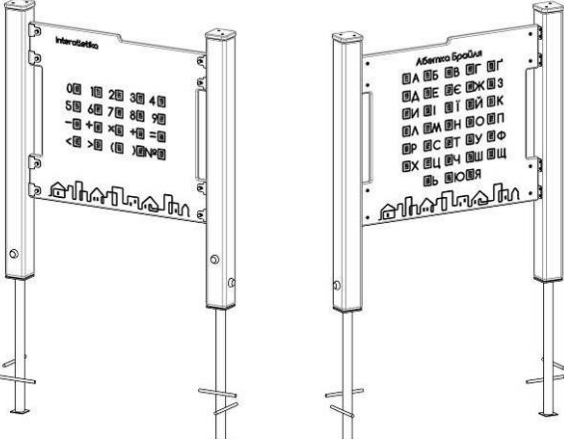
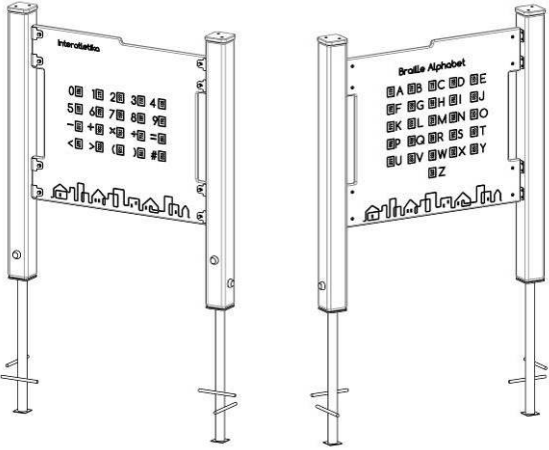
Product code	Name	Dimensions, mm			Weight, kg
		Length	Width	Height	
LK601	Bridge	1447	767	1122	53
LK602	Rope slide	1447	767	1114	44
LK603	Tunnel	1027	767	864	36
LK604	Bridge-net	1447	767	1064	67.9
LK605	Bridge-steps	1447	767	1064	54.8
LK606	Play Panel	2089	881	865	49
LK606.1	Play panel	2693	695	865	51
LK607	Playing panel Gesture Alphabet	1465	87	1064	26.8
LK608	Game panel "Numbers and Figures"	913	87	1064	20
LK609	Playing panel Braille	913	87	1064	18
LK609-ENG	Playing panel Braille English	913	87	1064	18
LK610	World map game panel	913	87	1064	18
LK615	Game panel Vertical Maze	913	87	865	18.97

Age range - from 3 to 7 years

Weight limitations - up to 60 kg

Table №2 – External view:

LK601 – Bridge	LK602 – Rope slide
	
LK603 – Tunnel	LK604 – Bridge-net
	

LK605 – Bridge-steps 	LK606 – Play panel 
LK606.1 – Play panel 	
LK607 - Playing panel Gesture Alphabet 	LK608 - Game panel "Numbers and Figures" 
LK609 - Playing panel Braille 	LK609-ENG - Playing panel Braille English 

LK610 - World map game panel	LK615 - Game panel Vertical Maze

Table №3 – Landing zone:

LK601, 602, 604, 605	LK603
LK606	LK606.1

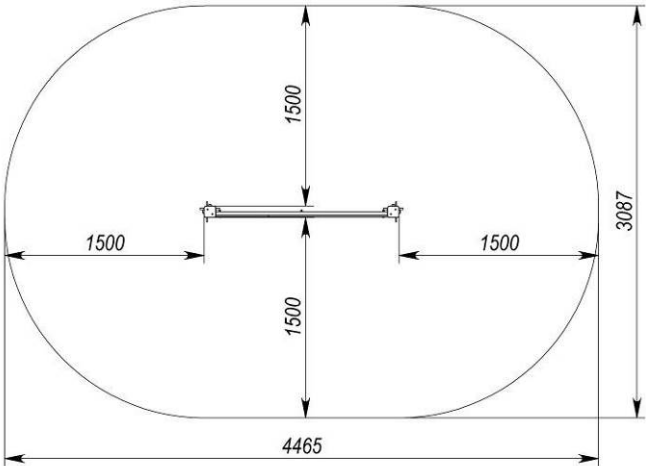
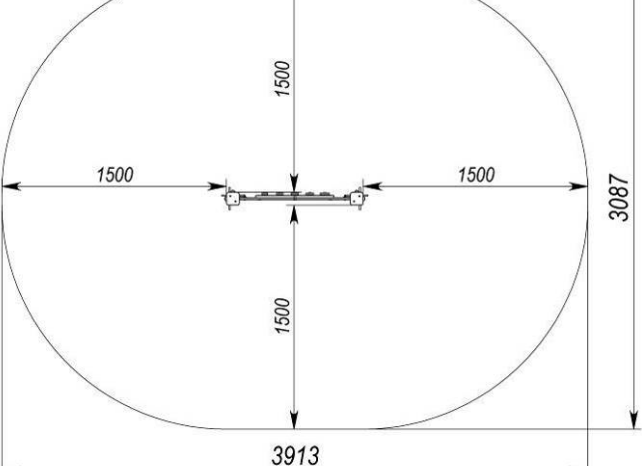
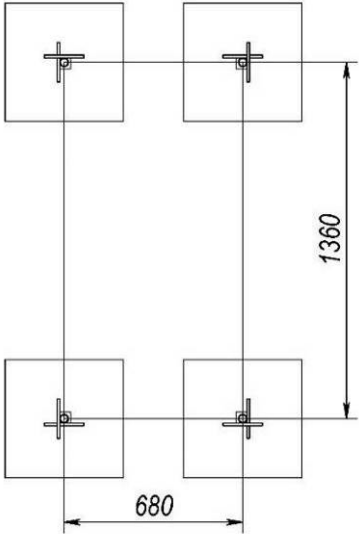
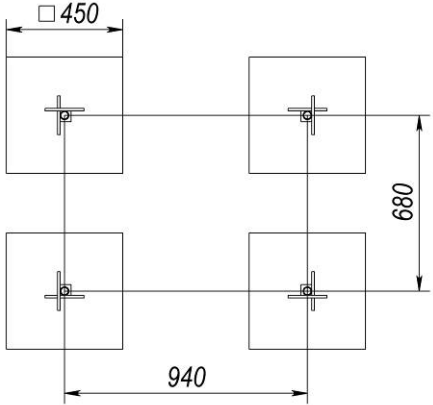
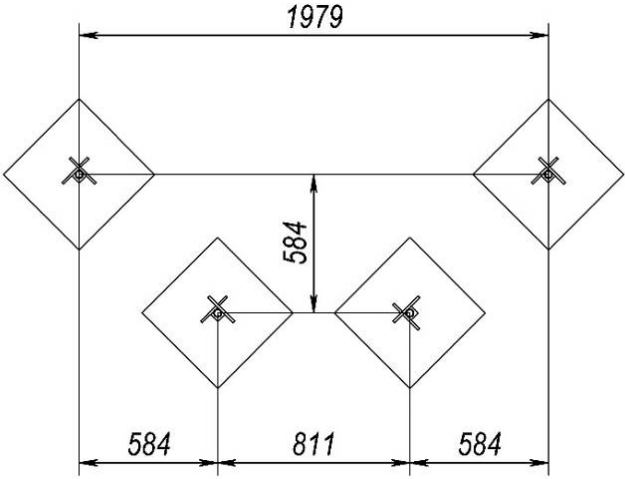
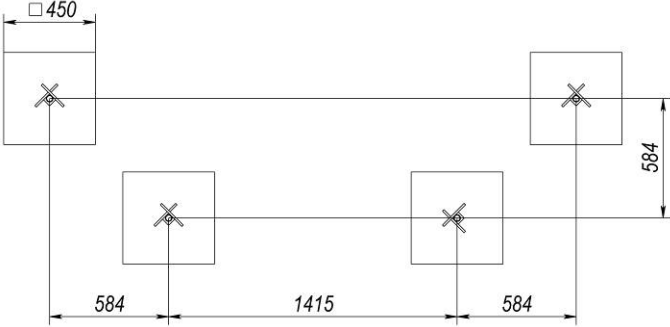
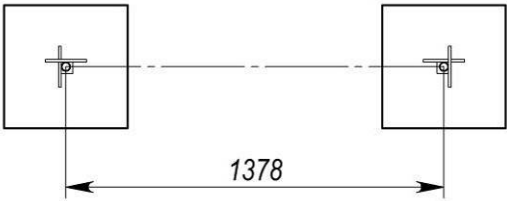
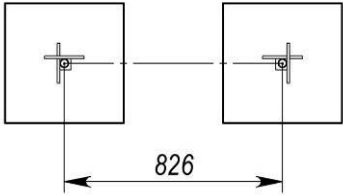
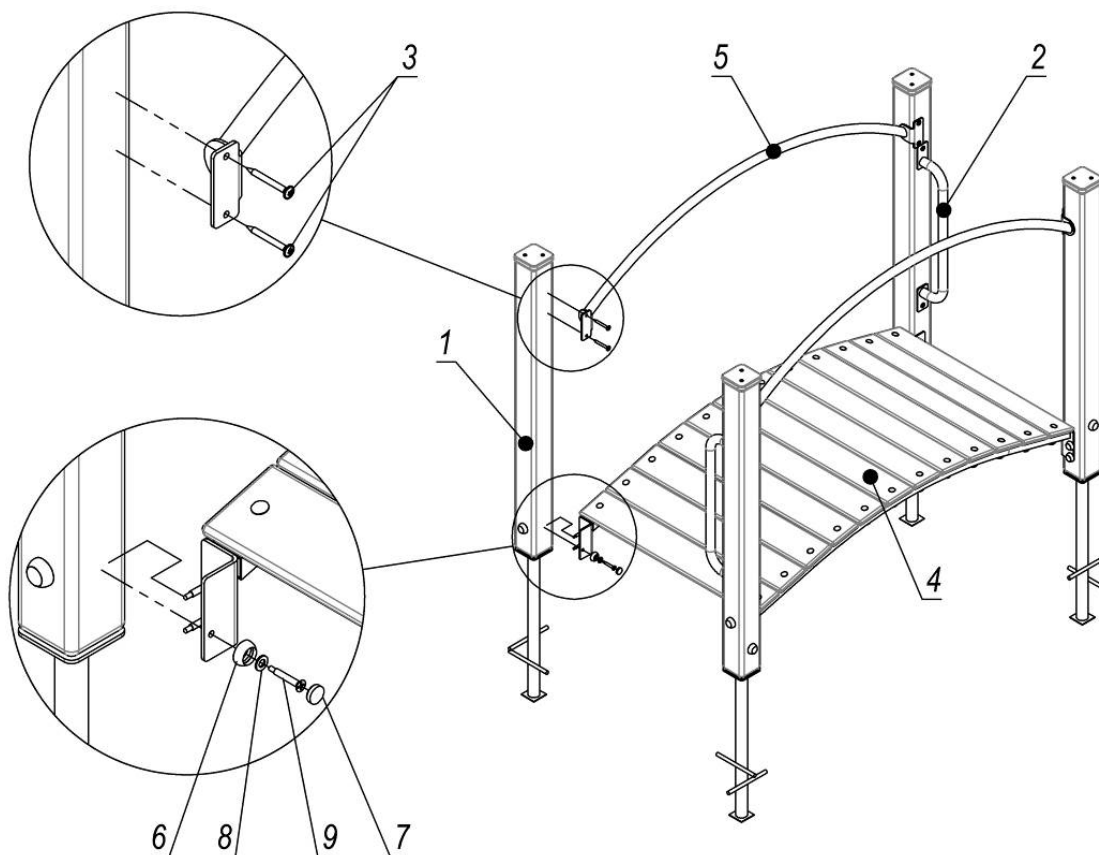
LK607	LK608, LK609, LK609-ENG, LK610, LK615
 Technical drawing of LK607 showing a circular frame with a central horizontal bar. Dimensions: total width 4465, total height 3087, radius 1500, and distance from center to side walls 1500.	 Technical drawing of LK608, LK609, LK609-ENG, LK610, LK615 showing a circular frame with a central horizontal bar. Dimensions: total width 3913, total height 3087, radius 1500, and distance from center to side walls 1500.

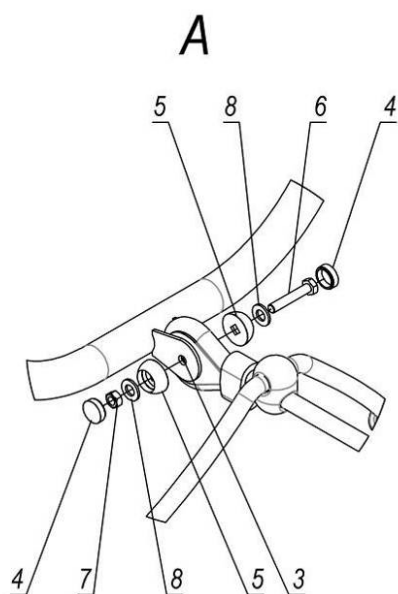
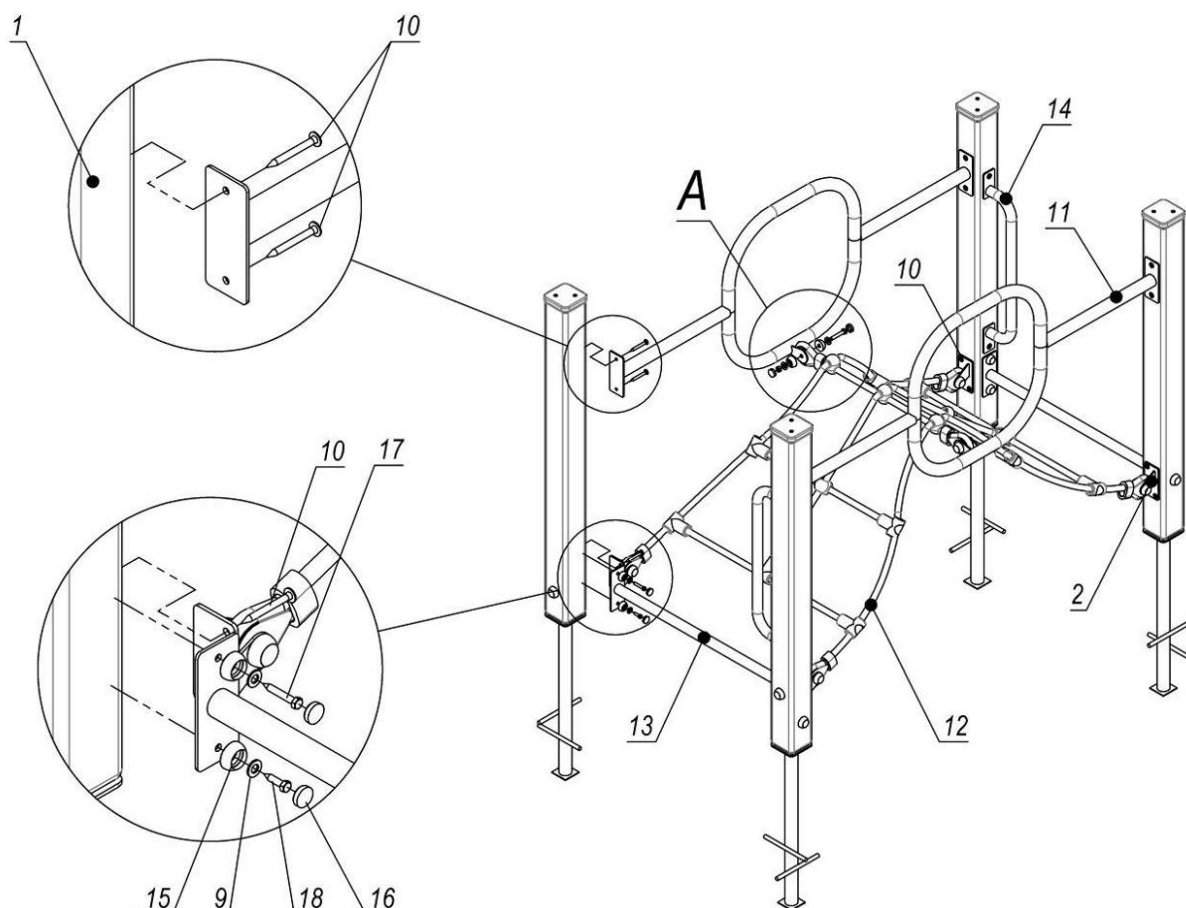
Table №4 - Layout of foundations:

LK601, 602, 604, 605	LK603
	
LK606	LK606.1
	
LK607	LK608, LK609, LK609-ENG, LK610, LK615
	

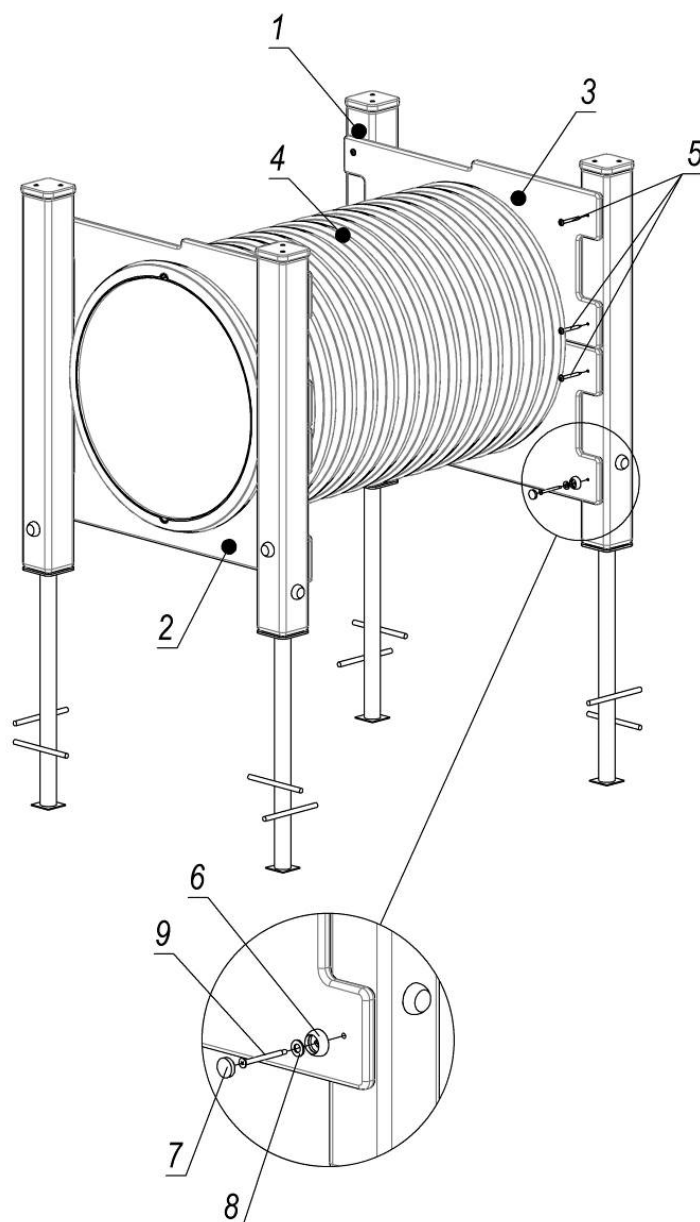
Product assembly schemes
LK601– Bridge



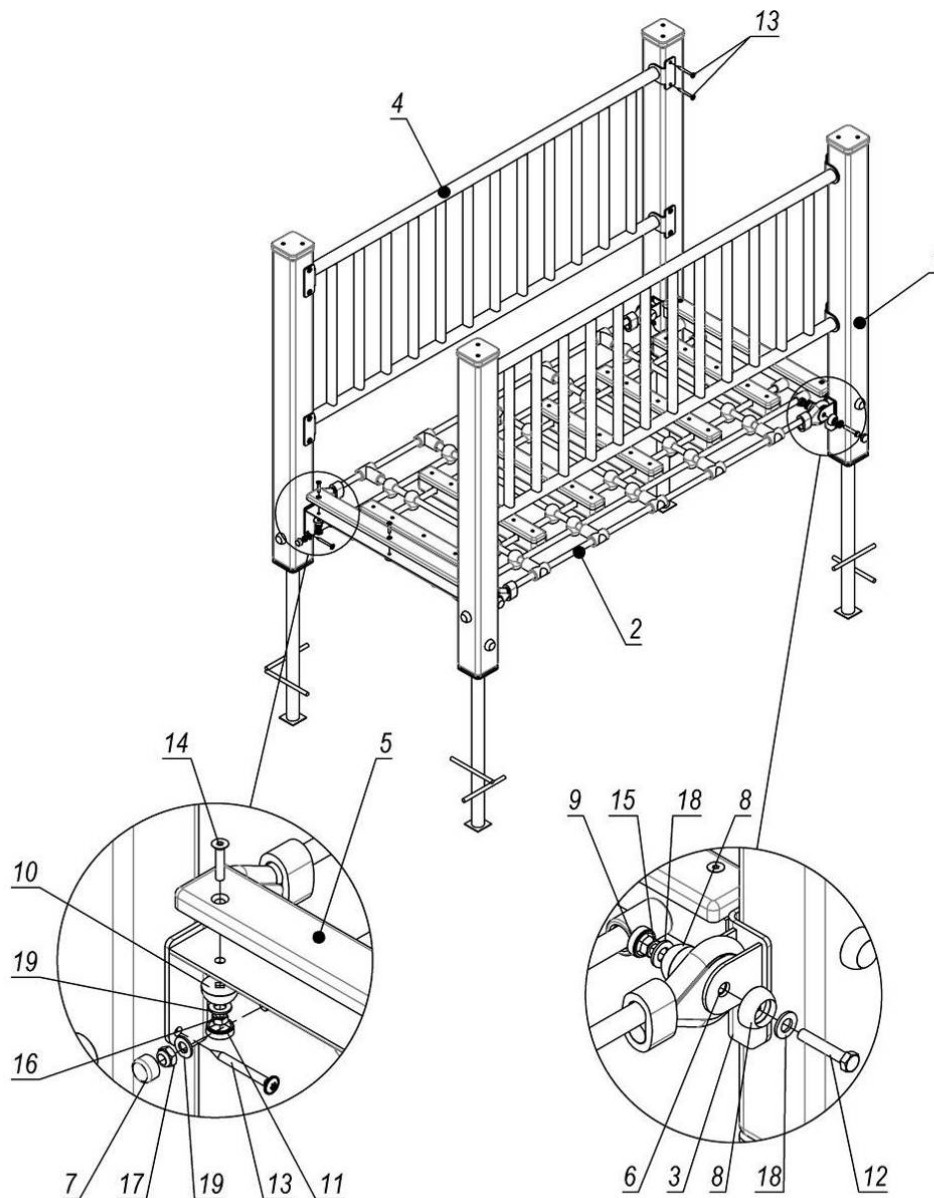
Pos.	Name	Weight, kg	Q-ty
1	Rack 1m	6	4
2	Handle		2
3	Screw 6.0x60 SPAX T-STAR plus (univers.)		12
4	Bent bridge	22	1
5	Handrail	2	2
6	Cup M6		12
7	Cap M6		12
8	Washer 8 GOST11371		12
9	Screw with drill 6.3x45 DIN7504P		12



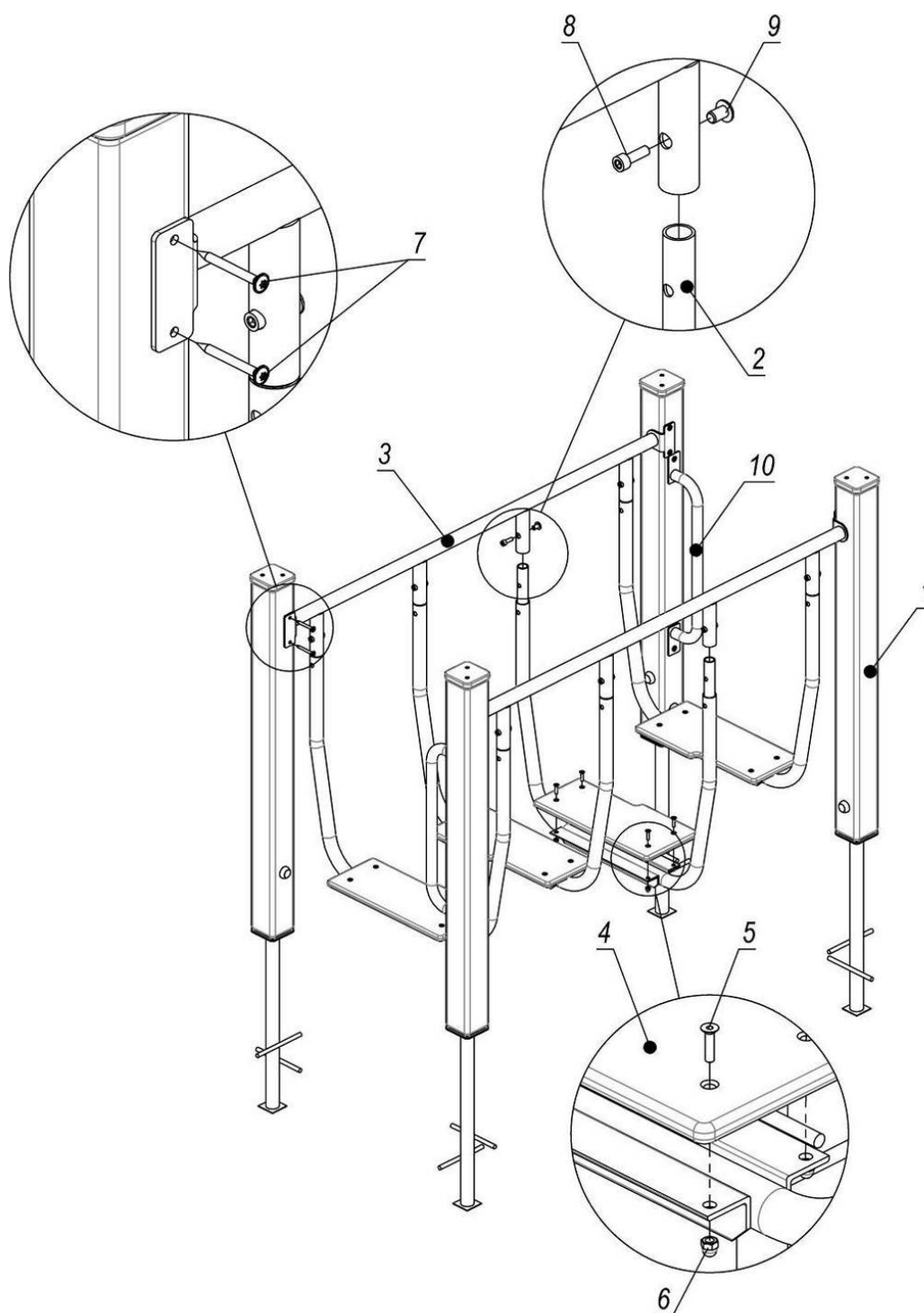
Pos.	Name	Weight, kg	Q-ty
1	Rack 1m	6	4
2	Bracket		4
3	Tube d12x1.5 GOST 10704, L=22 mm		6
4	Cap M8		12
5	Cup M8		12
6	Bolt M8*45 GOST 7798		6
7	Nut M8 GOST5915		6
8	Washer 10 GOST11371		12
9	Washer 8 GOST11371		8
10	Screw 6.0x60 SPAX T-STAR plus (univers.)		20
11	Handrail	5	2
12	Rope net	5	1
13	Brace rod (L=600mm)	1	2
14	Handle		2
15	Cup M6		8
16	Cap M6		8
17	Screw 6x40 GOST11473		4
18	Screw 6x25 GOST11473		4



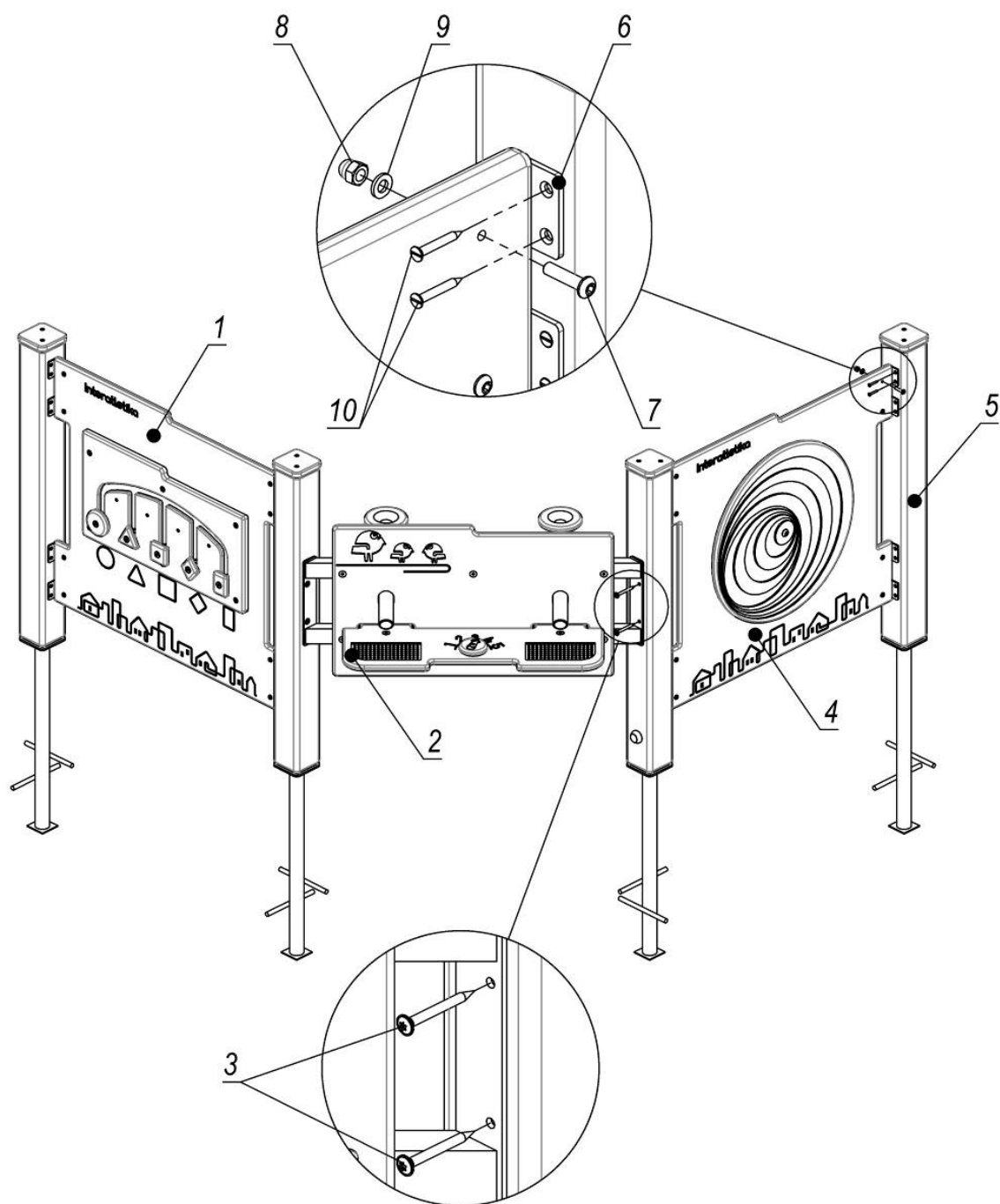
Pos.	Name	Weight, kg	Q-ty
1	Rack		4
2	Flange	2	2
3	Flange	2	2
4	Tunnel	9	1
5	Screw 6x60 SPAX T-STAR plus (flat, TX30)		12
6	Cup M6		4
7	Cap M6		4
8	Washer 8 DIN 125 (flat)		4
9	Screw 4.8*60 DIN 7504P (countersunk with drill)		4



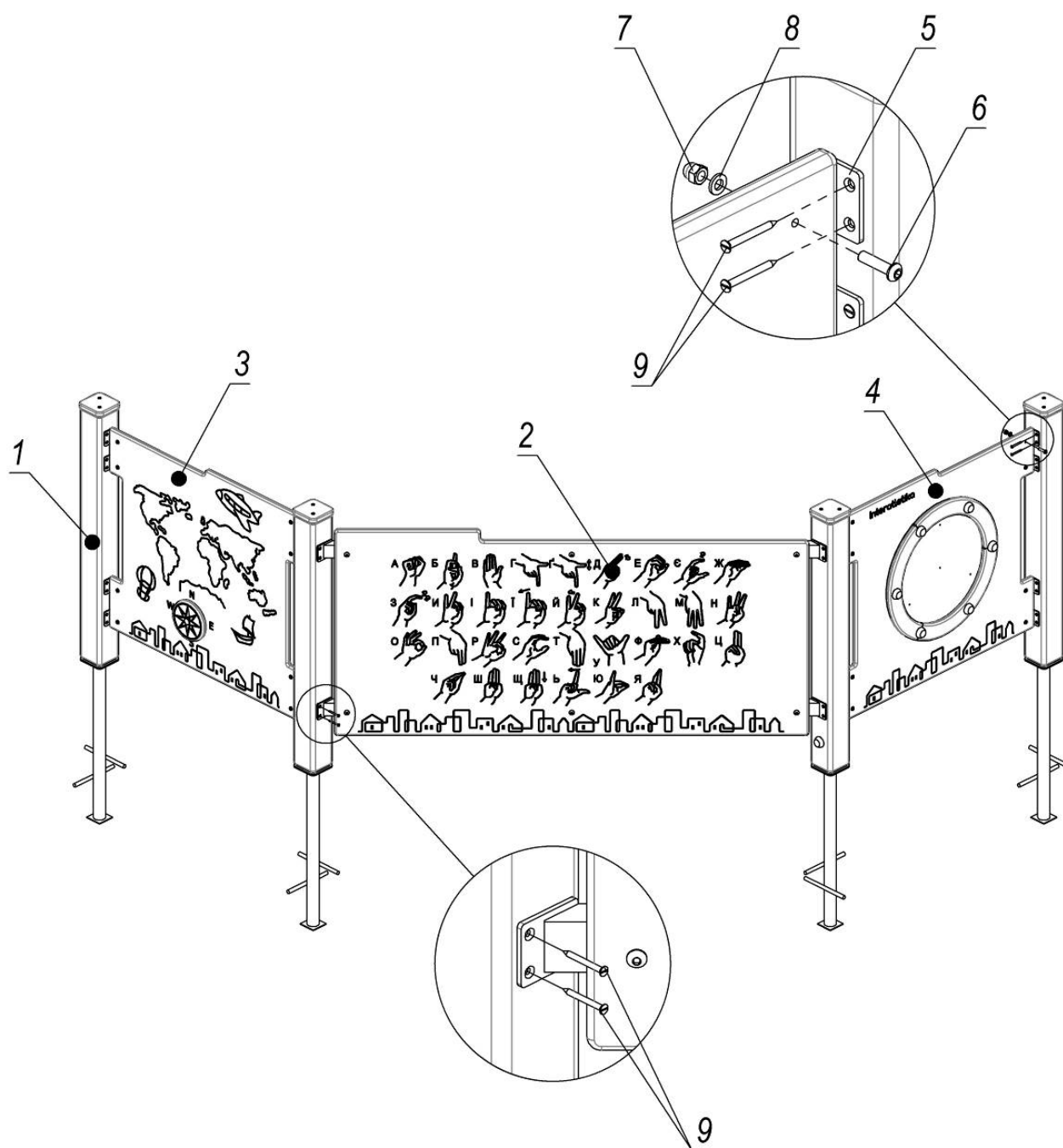
Pos.	Name	Weight, kg	Q-ty
1	Rack 1 m	6	4
2	Rope bridge straight	12	1
3	Rope tensioner	2	2
4	Closed railings	14	2
5	Cover plate for bridge		2
6	Tube d12x1.5 GOST 10704, L=22mm		4
7	Cap S13		8
8	Cup M8		8
9	Cap M8		8
10	Cup M6		6
11	Cap M6		6
12	Bolt M8*45 GOST 7798		4
13	Screw 6.0x60 SPAX T-STAR plus (univers.)		24
14	Stud M6x30 DIN7991		6
15	Nut M8 GOST5915		4
16	Nut M6 GOST5915		6
17	Nut M8 DIN985		8
18	Washer 10 GOST11371		8
19	Washer 8 GOST11371		14



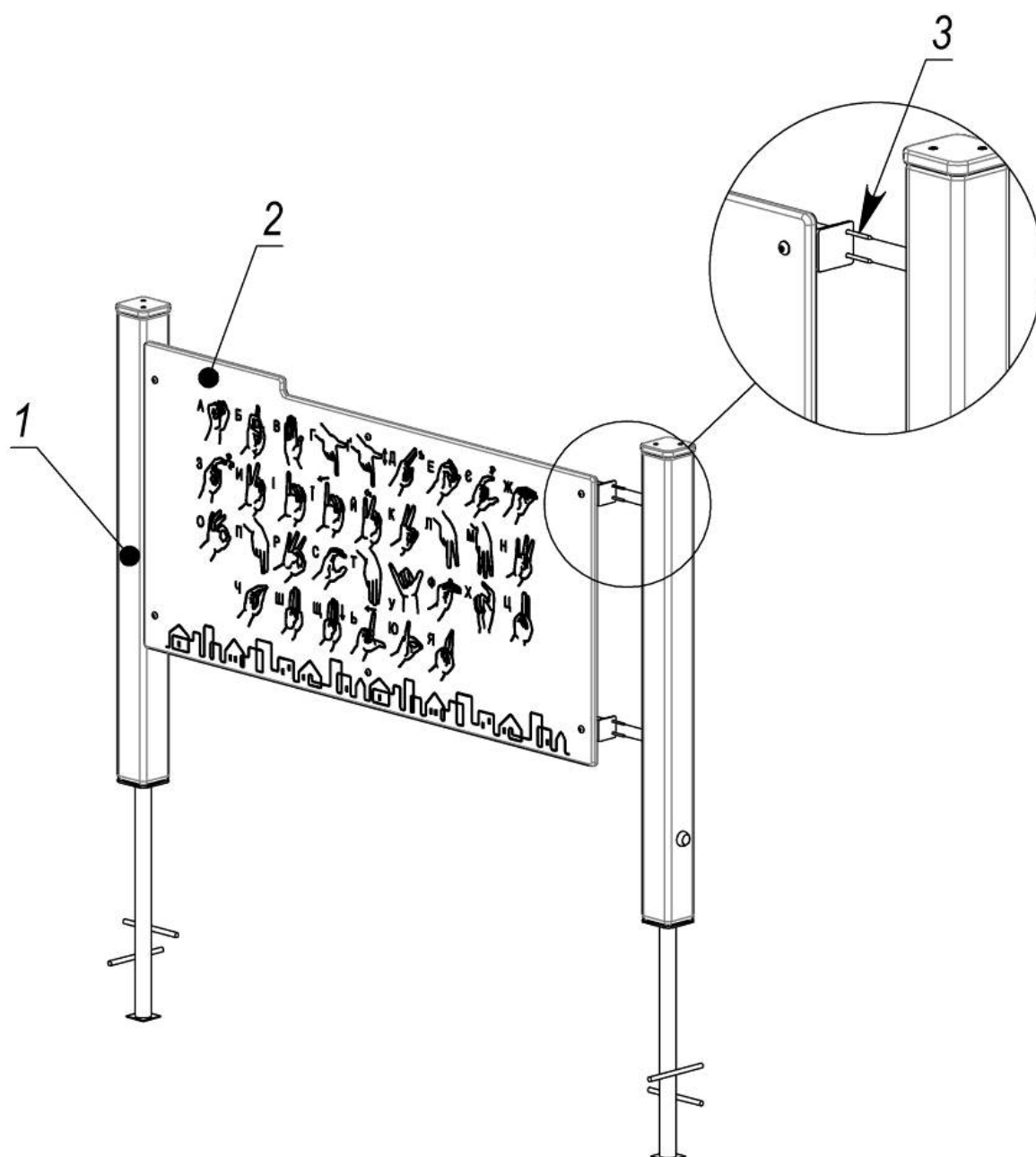
Pos.	Name	Weight, kg	Q-ty
1	Rack 1m	6	4
2	Step frame	5	4
3	Railing with adapters	4	2
4	Bridge step		4
5	Stud M6x25 DIN7991		16
6	Cap nut M6 DIN1587		16
7	Screw 6.0x60 SPAX T-STAR plus (univers.)		12
8	Stud M8*25 GOST11738		8
9	ERICSON nut RFL M8x16x19x10		8
10	Handle		2



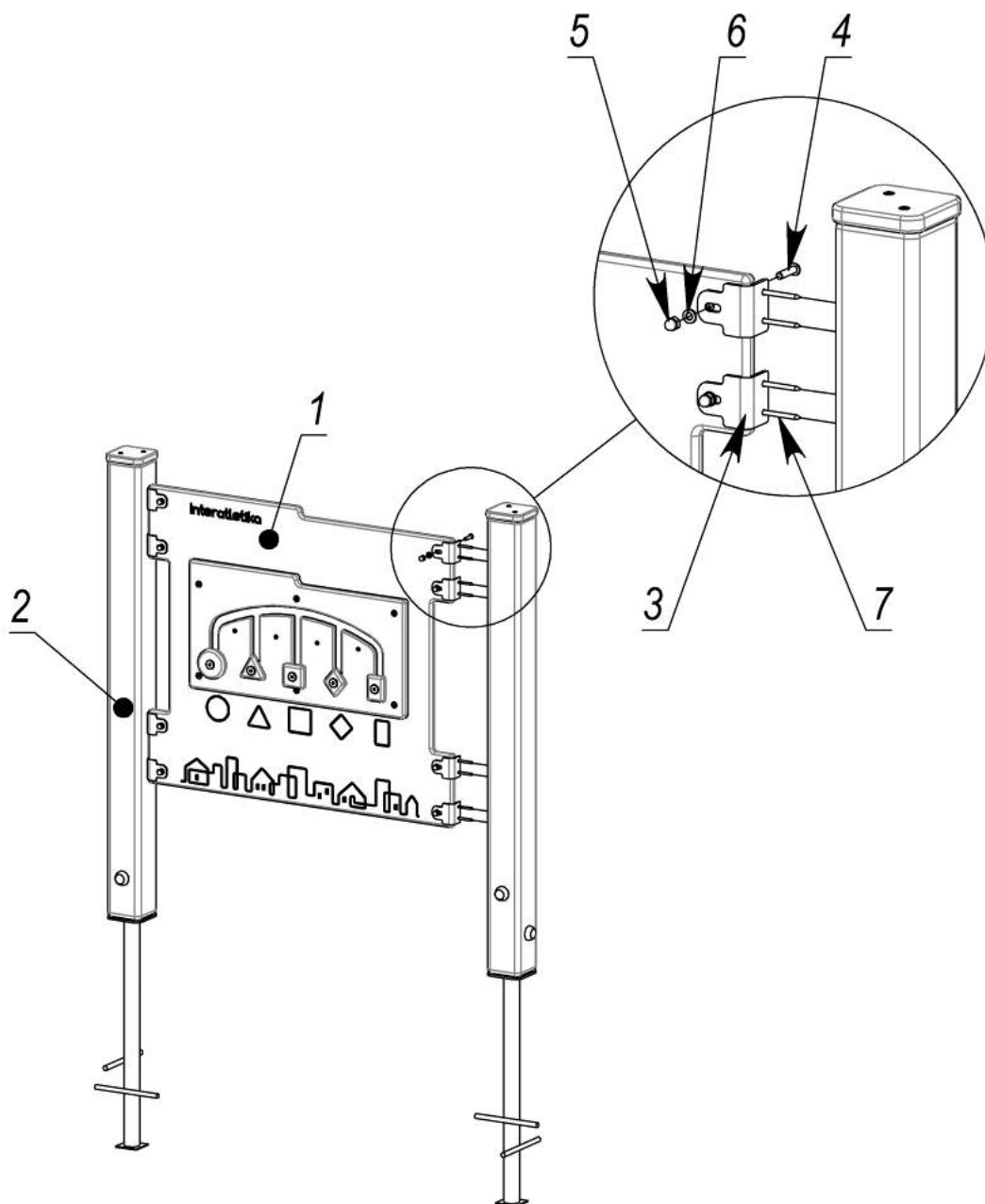
Pos.	Name	Weight, kg	Q-ty
1	Play panel "School"	8	1
2	Play panel with sieve	11	1
3	Screw 6.0x60 SPAX T-STAR plus (univers.)		4
4	Panel "Illusion" assembly	9	1
5	Rack		4
6	Panel bracket		16
7	Stud M6x25 ISO7380		16
8	Cap nut M6 DIN1587		16
9	Washer 6 GOST11371		16
10	Screw 4x30 GOST1145		32



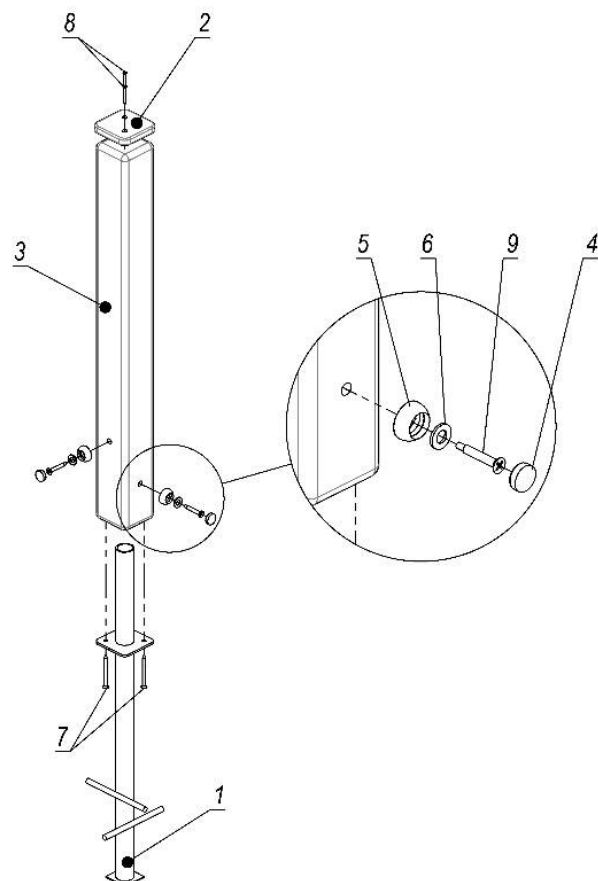
Pos.	Name	Weight, kg	Q-ty
1	Rack		4
2	Panel "Gestures" assembly	15	1
3	Panel "World map"	6	1
4	Vertical labyrinth	8	1
5	Panel bracket		16
6	Stud M6*25.A2-70 ISO 7380 (half-round) stainless		16
7	Nut M6.A2-70 DIN 1587 (cap nut) stainless		16
8	Washer 6-A2 DIN 125 (flat) stainless		16
9	Screw 4*40-A2, DIN 7997 (countersunk-univ., PZ) stainless		40



<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Rack 1m	6	2
2	Panel "Gestures" assembly	15	1
3	Screw 4x40 GOST1145		8

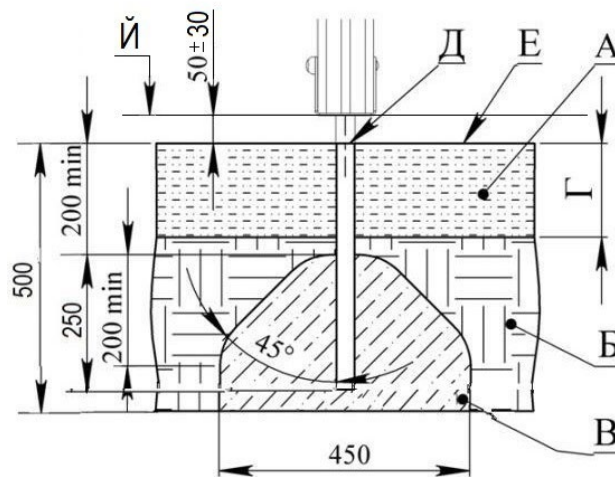


Pos.	Name	Weight, kg	Q-ty
1	Play panel "School"	8	1
2	Rack 1m	6	2
3	Panel bracket		8
4	Stud M6x25 ISO7380		8
5	Cap nut M6 DIN1587		8
6	Washer 6 GOST11371		8
7	Screw 4x40 GOST1145		16



<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Support	2	1
2	Cap on bar		1
3	Support 1m	4	1
4	Cap M8		2
5	Cup M8		2
6	Washer 10 GOST11371		2
7	Screw 6x70 GOST1145		2
8	Screw 4x40 GOST1145		2
9	Screw with drill 6.3x45 DIN7504P		2

Picture 1 – Assembly scheme of support with a bar



For beams support and other elements

А – shock-absorbing coating;

Б – soil;

В – concrete;

Г – depth of the shock-absorbing coating;

Д – product level plane;

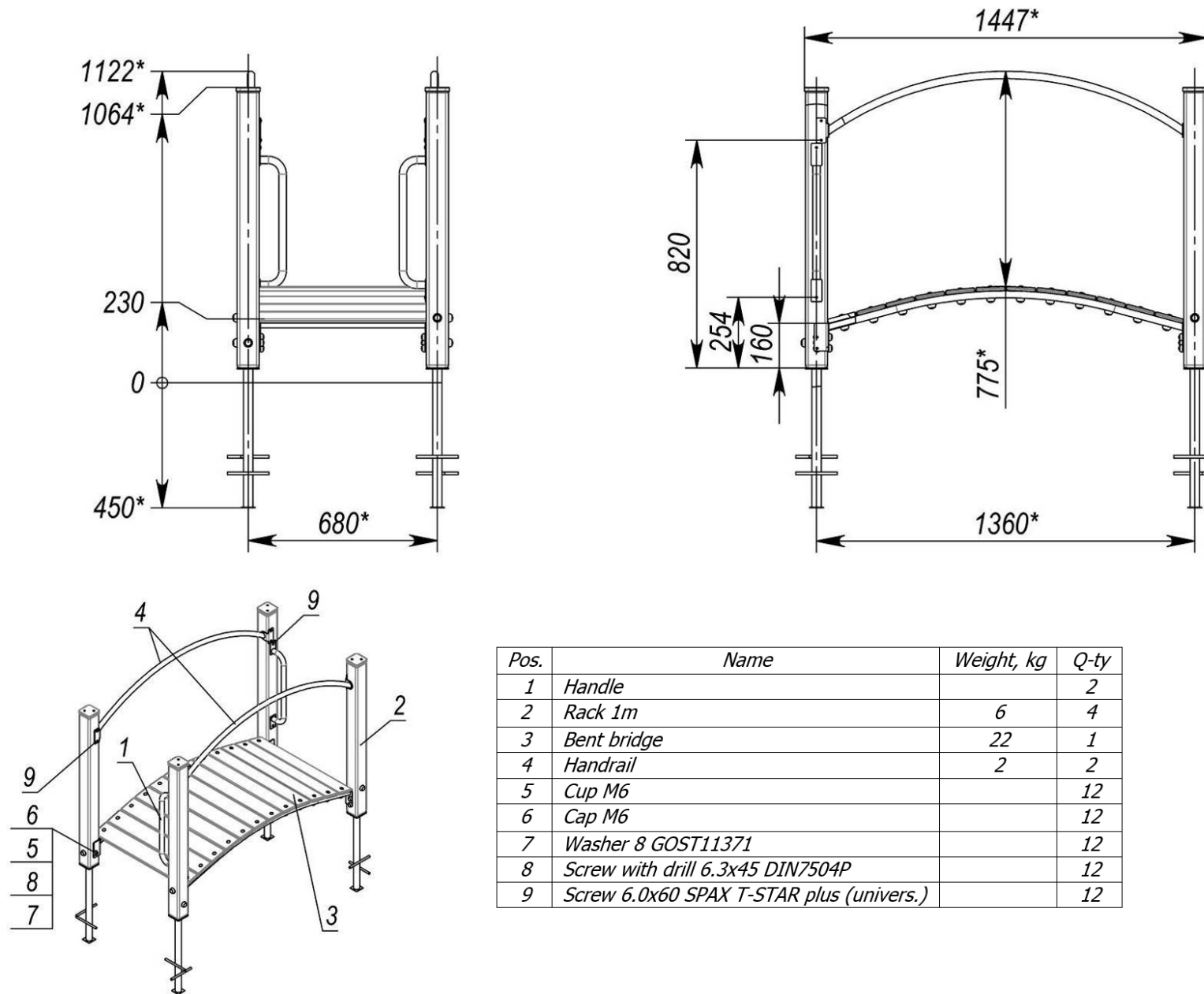
Е – game surface;

Й – thread.

Examples of impact-absorbing coatings

Material ¹	Description	Minimal depth, mm	Fall height, mm
Turf			≤ 1000
Tree bark	grain size 20-80 mm	200	≤ 2000
		300	≤ 3000
Sawdust	grain size 5-30 mm	200	≤ 2000
		300	≤ 3000
Sand ²	grain size 0.2-2 mm	200	≤ 2000
		300	≤ 3000
Gravel ²	grain size 2-8 mm	200	≤ 2000
		300	≤ 3000
Another material	HIC tested according to EN 1177	According to the test	According to the test
3. Materials are specially made for the playgrounds. 4. No clay inclusions should be present. Grain size is obtained by sieving through a sieve as in EN 933-1.			

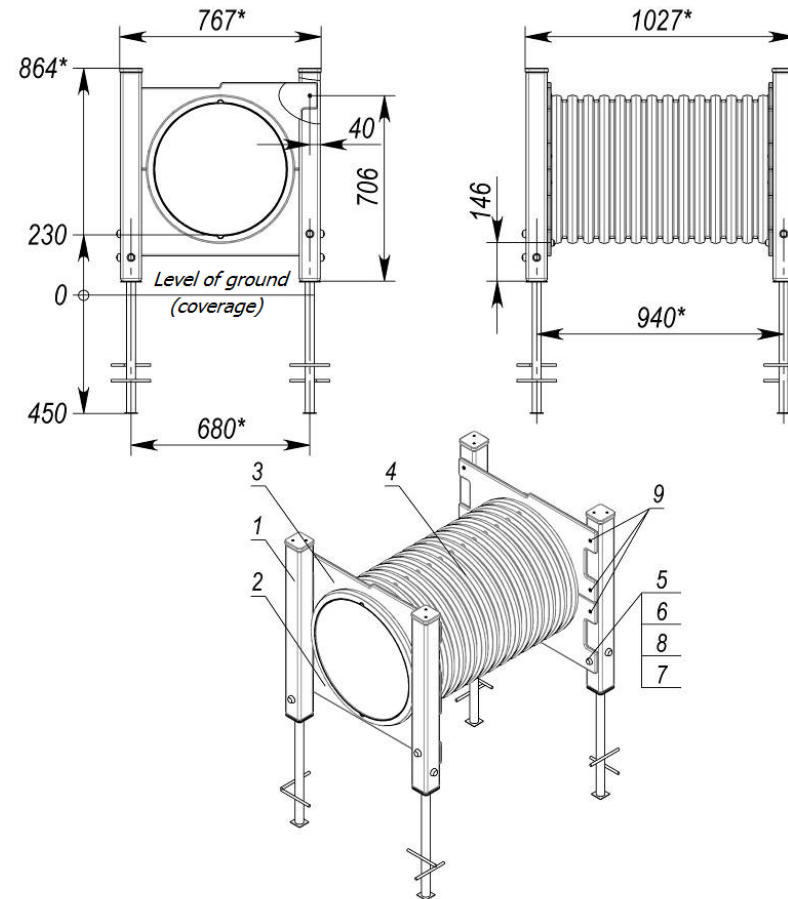
Picture 2 – Concreting scheme



Picture 3

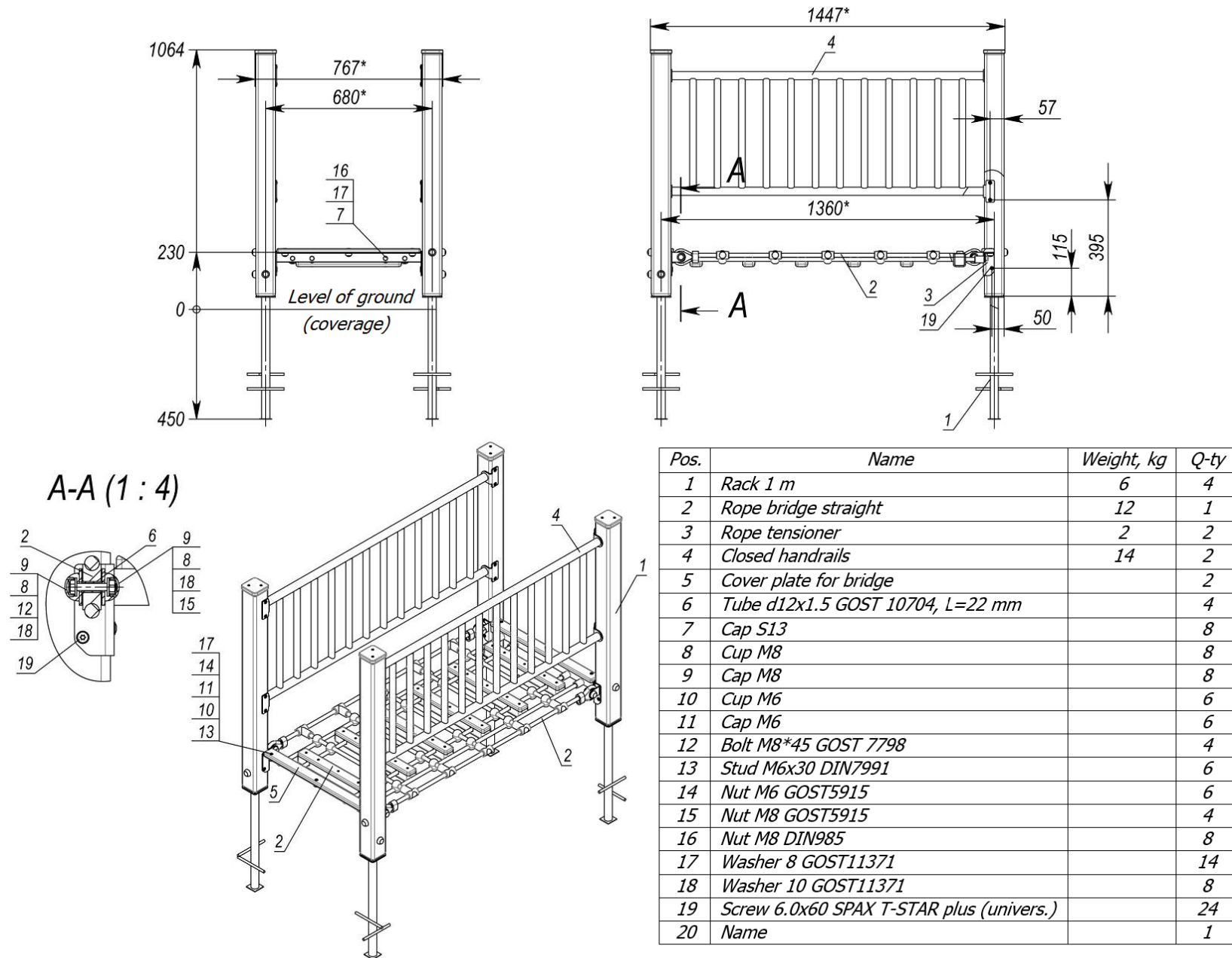


Picture 4

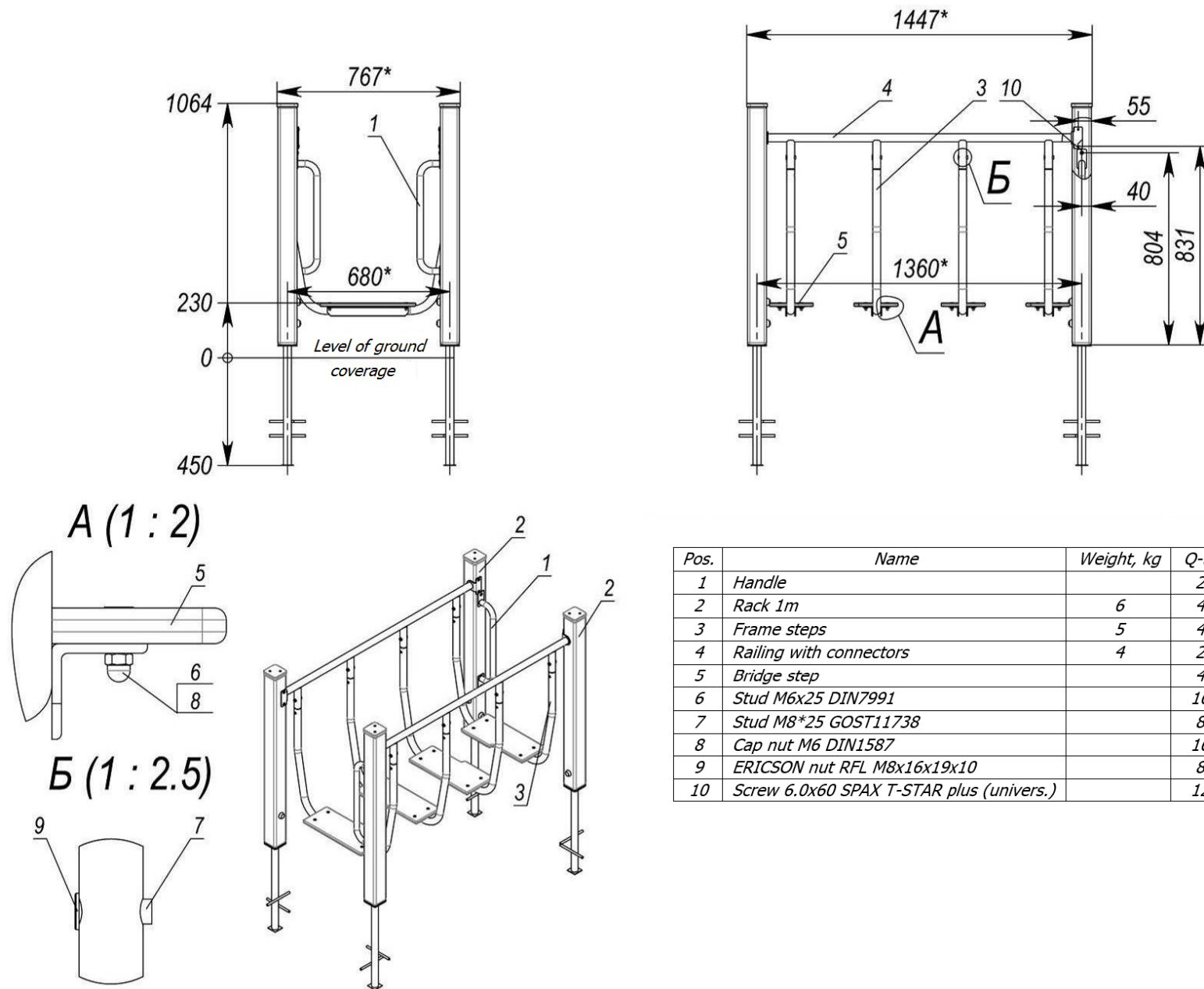


Pos.	Name	Weight, kg	Q-ty
1	Rack		4
2	Flange	2	2
3	Flange	2	2
4	Tunnel	9	1
5	Cup M6		4
6	Cap M6		4
7	Washer 8 DIN 125 (flat)		4
8	Screw 4.8*60 DIN 7504 P (countersunk with drill)		4
9	Screw 6x60 SPAX T-STAR plus (flat, TX30)		12

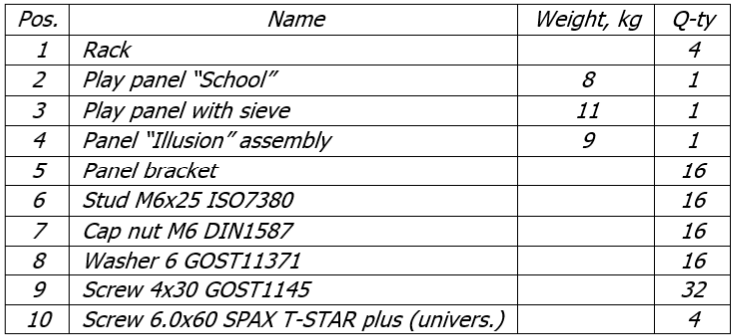
Picture 5



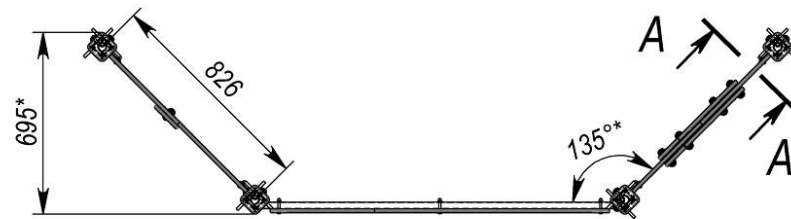
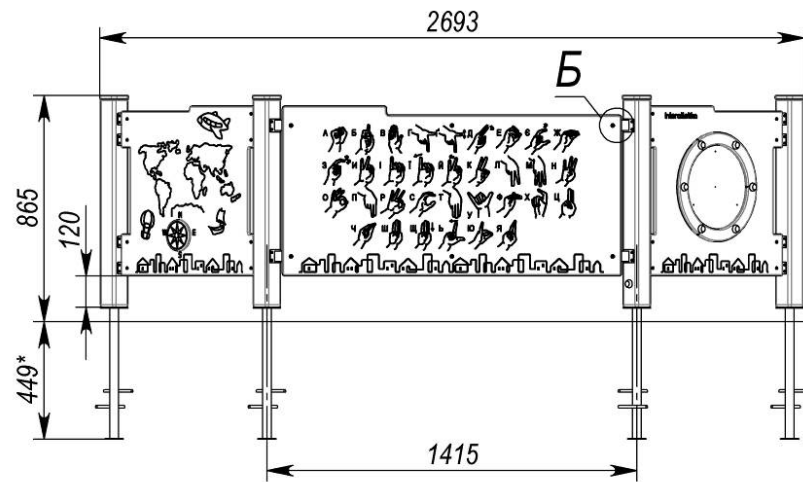
Picture 6



Picture 7

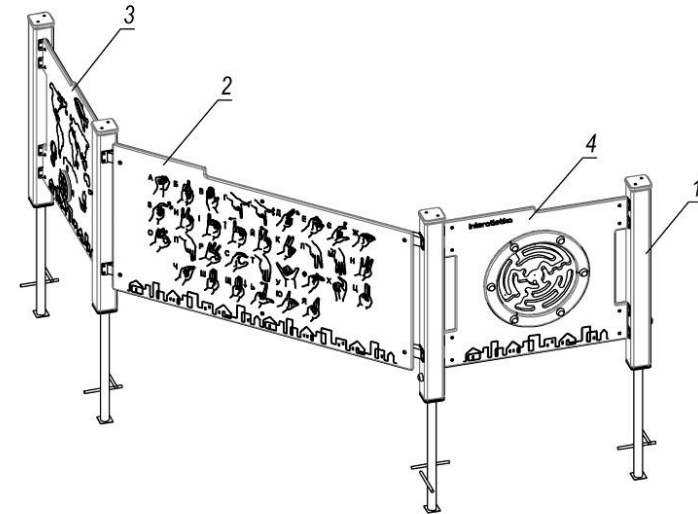
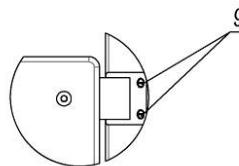
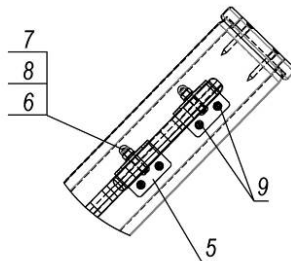


Picture 8



A-A (1 : 5)

B (1 : 5)



Pos.	Name	Weight, kg	Q-ty
1	Rack		4
2	Panel "Gestures"	16	1
3	Panel "World map"	6	1
4	Vertical labyrinth	8	1
5	Panel bracket		16
6	Nut M6 A2-70 DIN 1587 (cap nut) stainless		16
7	Stud M6*25.A2-70 ISO 7380 (half-round) stainless		16
8	Washer 6-A2 DIN 125 (flat) stainless		16
9	Screw 4*40-A2, DIN 7997 (countersunk-univ., PZ) stainless		40

Picture 9