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PRODUCTION AND SALE OF SPORTS GOODS

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DATA SHEET

Playground complex «March» TL101

Playground complex «April» TL102

Playground complex «May» TL103

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FOR NOTES

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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. MAIN TECHNICAL DATA AND CHARACTERISTICS

The 'March, April, May' playground complexes are designed for outdoor entertainment and games. Play elements of the product help to promote physical and mental development of the child, formation of dexterity skills, coordination of movement.

	TL101	TL102	TL103
Length, mm	3051	3373	3056
Width, mm	2858	4141	4397
Height, mm	2495	2495	2495
Weight, kg	252	281	346
Drop height, mm	723	723	723
Weight restrictions (weight of one child), kg	60kg	60kg	60kg

3. COMPLETENESS AND CHARACTERISTICS OF THE MAIN PARTS OF THE PRODUCT

For the complete set and characteristics of the product components, as well as the required geometric dimensions for installation, see pic. 1. The game complex consists of separate modular elements that are delivered disassembled. For a complete set of these elements and their assembly schemes see pic.1-14.

4. PROCEDURE FOR ASSEMBLING AND INSTALLING THE PRODUCT

Tools and accessories. The product does not include tools required for its assembly and installation, as well as spare parts for the complex. If these components are required, prior agreement with the manufacturer is required.

Procedure for assembling and installing the product.

- 1) Excavate the pits for concreting in accordance with the concreting scheme for the foundations (Pic. 17).
- 2) Assemble and place the beams with metal supports in accordance with the general plan in pic.1 and pic.2. Attach the platforms of the complex to the beams (Pic. 3), taking into account the cut on the beams for the roof.
- 3) Install and attach other modular play elements (slide, ladder, play panels) to the edges of the tower as shown in the general view of the complex and Pic. 5-14.
- 4) Assemble the roofs (Pic. 4). Install them (according to Pic. 1) on the assembled towers with 1.35 m and 2 m long bars.
- 5) Check the vertical and horizontal alignment with a spirit level.
- 6) Install the product according to the level marks on it according to the concreting scheme (Pic. 15) and select the beads according to the installation plan for the bars (Pic. 16). During installation of the product on sandy soil, the overall dimensions of the foundation should be increased by 15-20%.

5. PRODUCT INSTALLATION SCHEME

Safety zone of the installed product must comply with pic.18.

6. 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 category.

The product must not be used by users of a different 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.

7. 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.

8. INFORMATION ON STORAGE, TRANSPORTATION AND DISPOSAL

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 damage.

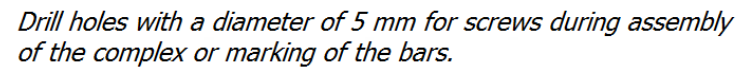
Storage information

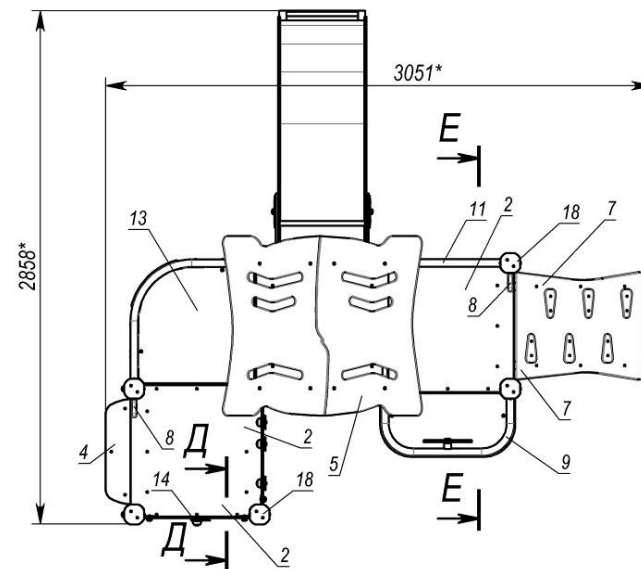
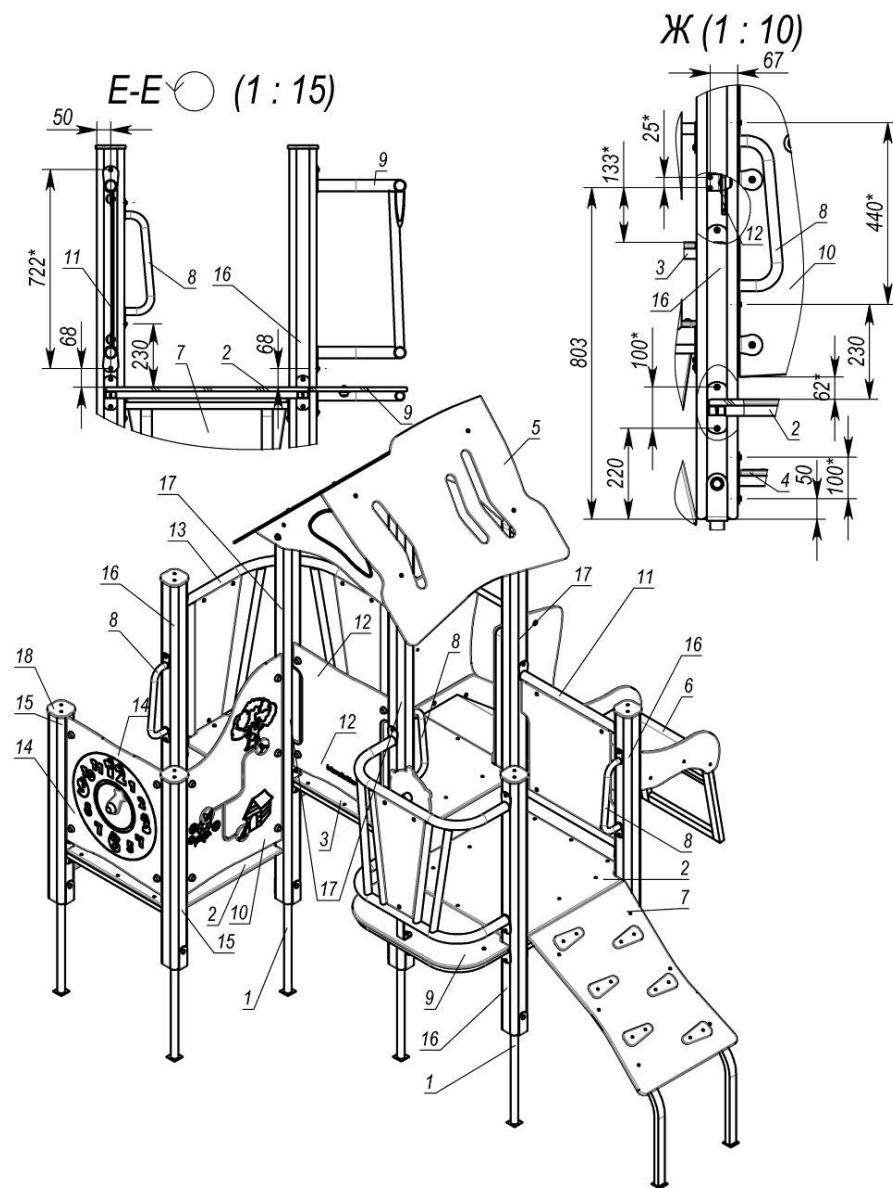
Date		Product storage conditions	Full name	Signature
Putting into storage	Removal from storage			

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.

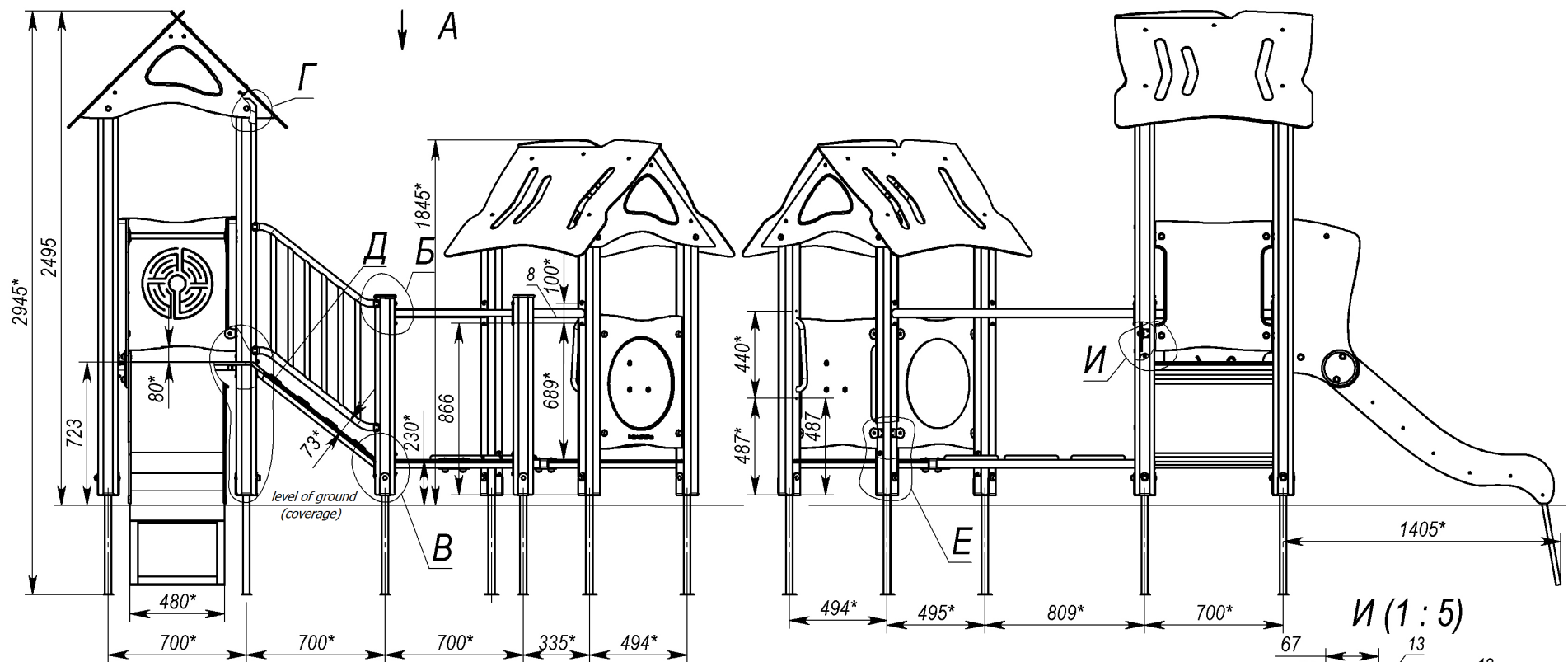
For TL101





Pos.	Name	Weight, kg	Q-ty
1	Beam support	2	9
2	Pallet with fastening	11	2
3	Pallet (with hole) with fastening	11	1
4	Step assembly	2	1
5	Roof of the complex	15	1
6	Slide TL (0.7m) assembly	37	1
7	Climbing board with attachment	13	1
8	Handle assembly	1	3
9	Balcony assembly	20	1
10	Game panel assembly	4	1
11	Panel "Labyrinth"	6	1
12	Fencing with grooves (with fasteners)	3	1
13	Arch balcony with pallet	20	1
14	Panel "Clock" assembly	3	1
15	Beam 1 m	5	2
16	Beam 1.35 m	7	3
17	Beam 2 m	11	4
18	Cap on bar overhead HPL		5
19	Cap M8		9
20	Cup M8		9
21	Bolt M8x120.A2-70 DIN603		9
22	Nut M8.A2-70 DIN934		9
23	Washer 10.A2 DIN125		9
24	Screw 4.2x38.A2-70 DIN7982C (TX)		10

Picture 1 – Composition and characteristics of the product components for TL101

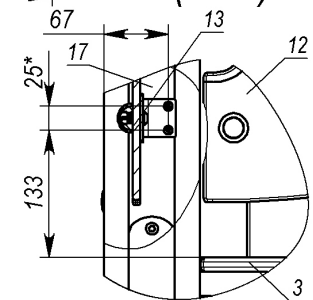
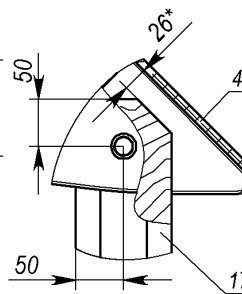
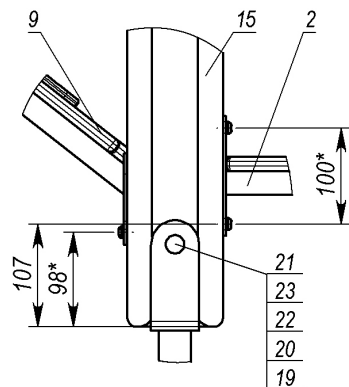
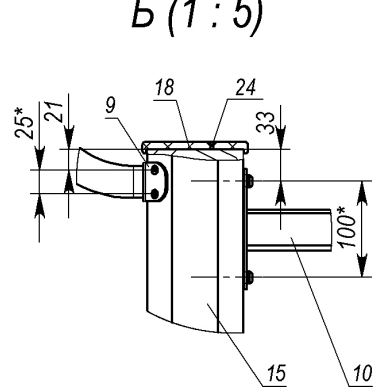


И (1 : 5)

Б (1 : 5)

Б (1 : 5)

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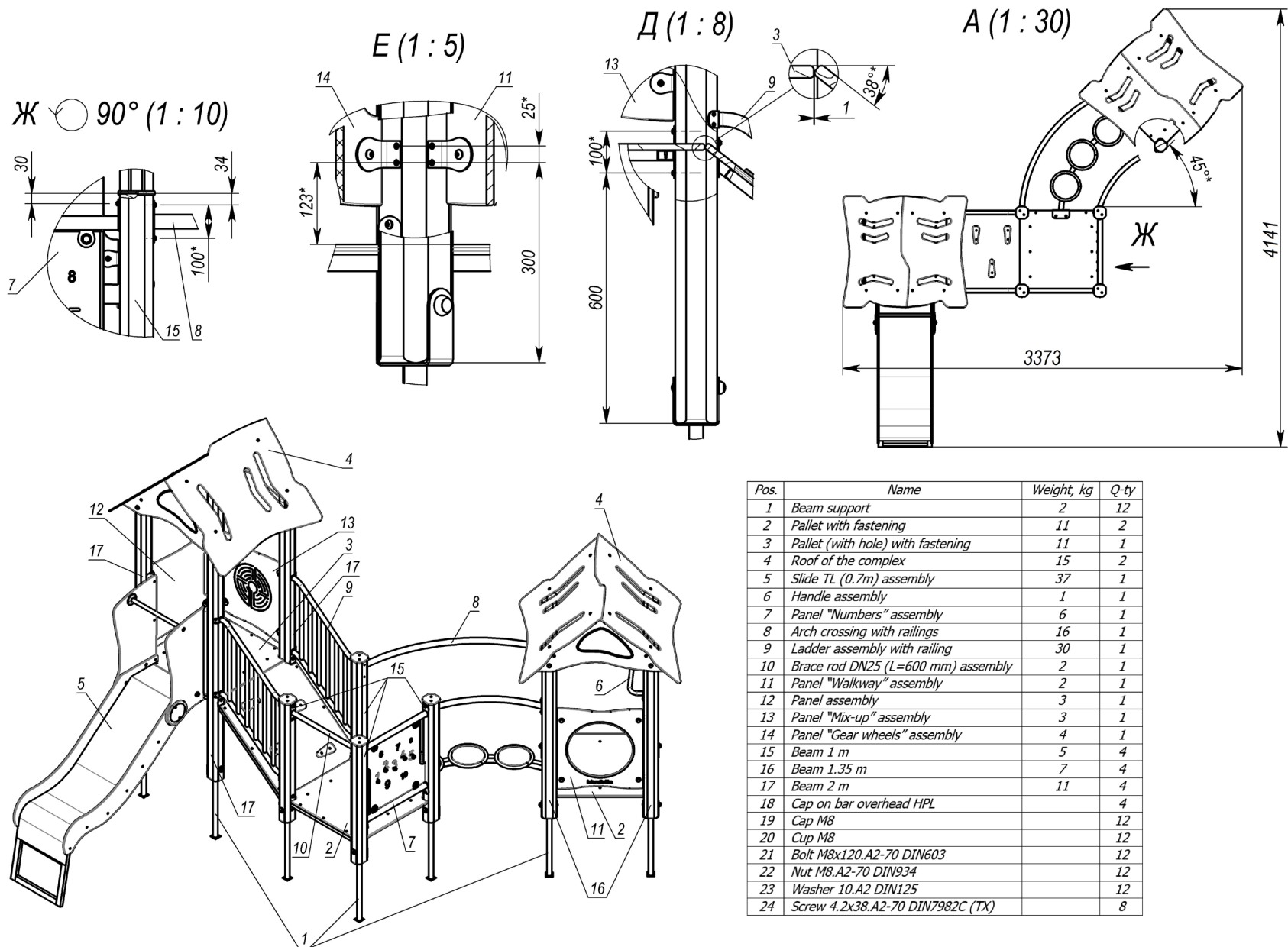
1*Dimensions for reference only.

2. h14;H14; +/- IT 14/2.

3. Drill a hole with a diameter of 5 mm for the screws during assembly of the playground.

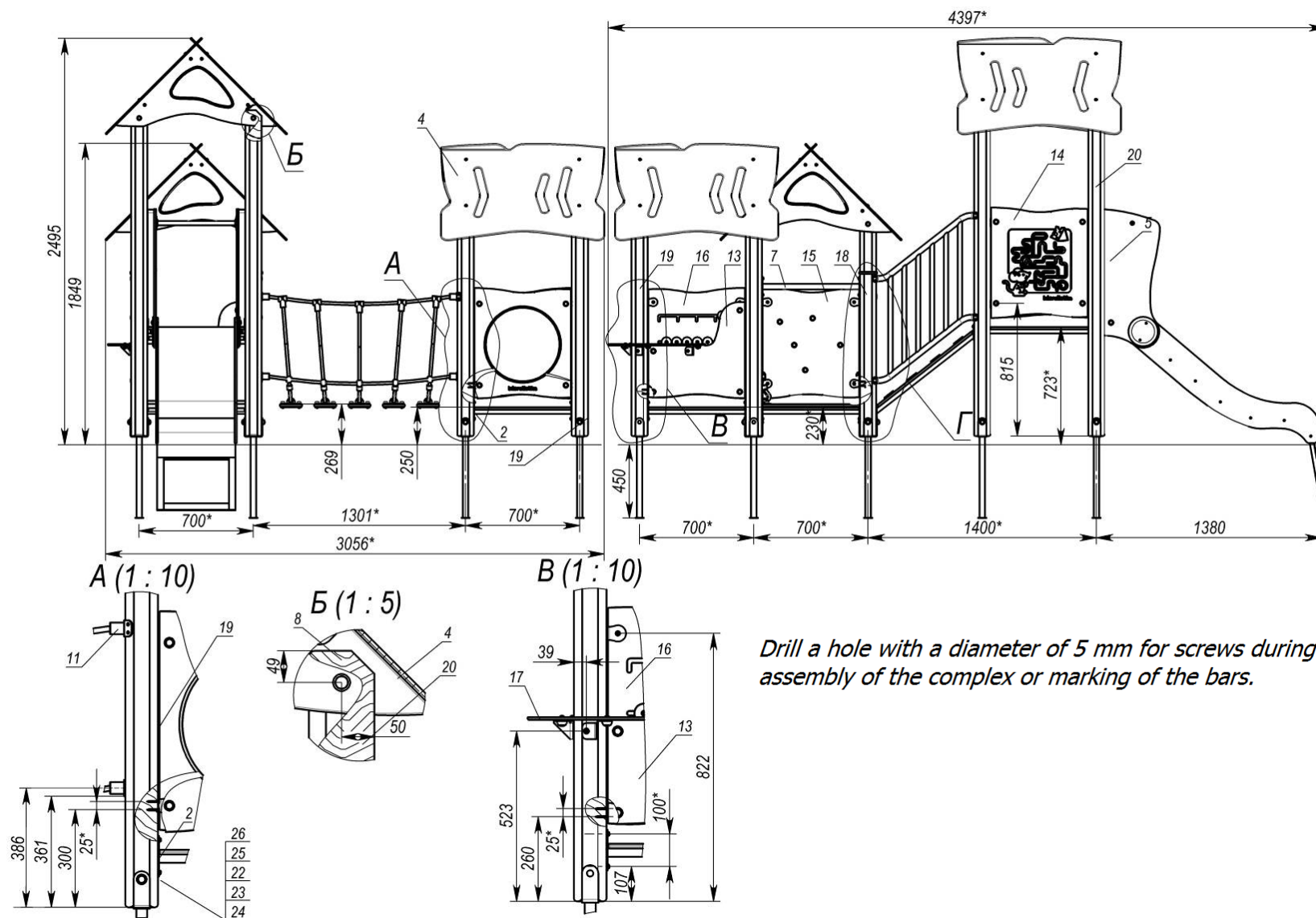
4. For fastening pos. 8 in the pallet of pos. 2, drill a hole with a diameter of 10 mm in the field.

For TL102

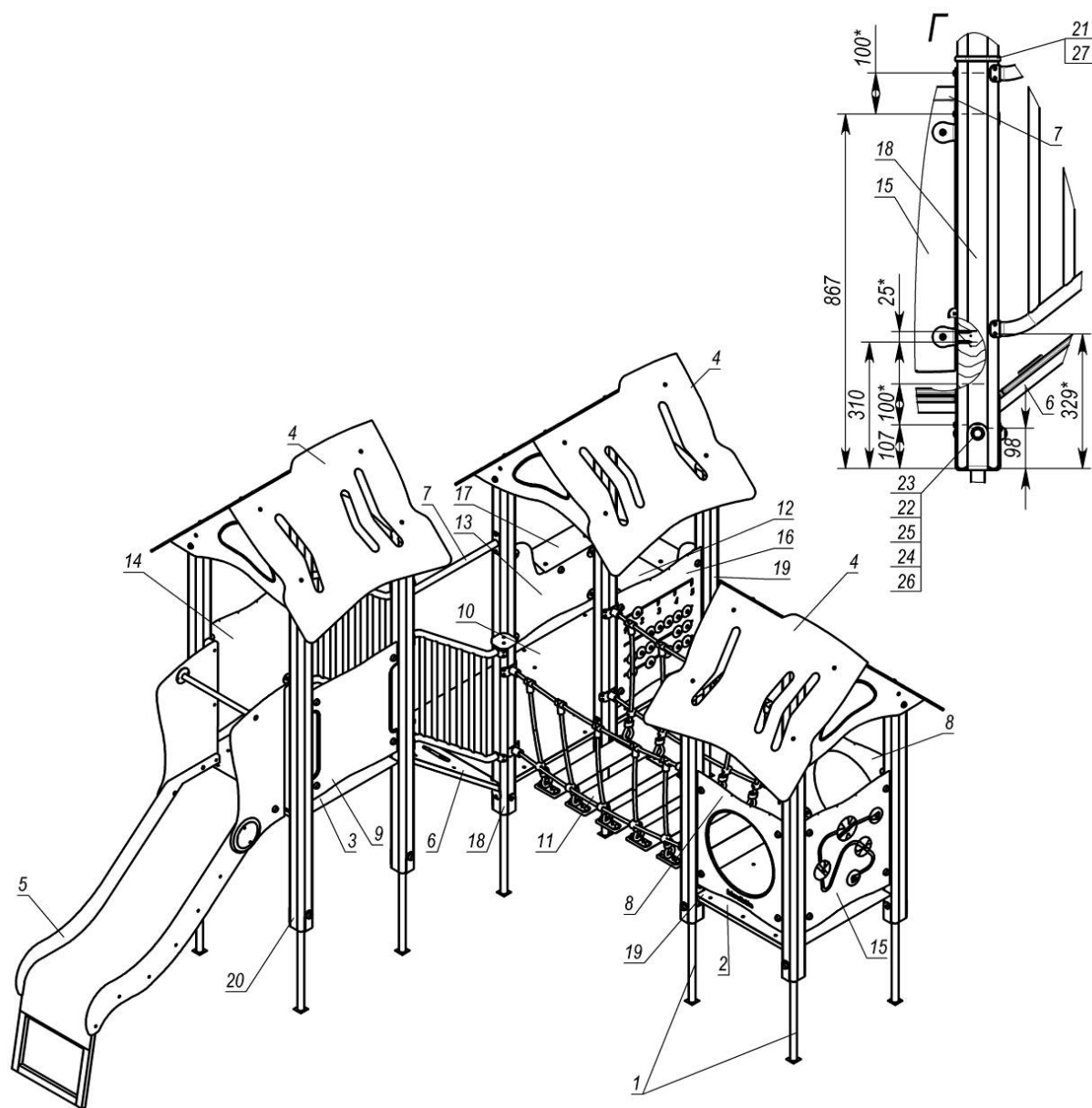


Pos.	Name	Weight, kg	Q-ty
1	Beam support	2	12
2	Pallet with fastening	11	2
3	Pallet (with hole) with fastening	11	1
4	Roof of the complex	15	2
5	Slide TL (0.7m) assembly	37	1
6	Handle assembly	1	1
7	Panel "Numbers" assembly	6	1
8	Arch crossing with railings	16	1
9	Ladder assembly with railing	30	1
10	Brace rod DN25 (L=600 mm) assembly	2	1
11	Panel "Walkway" assembly	2	1
12	Panel assembly	3	1
13	Panel "Mix-up" assembly	3	1
14	Panel "Gear wheels" assembly	4	1
15	Beam 1 m	5	4
16	Beam 1.35 m	7	4
17	Beam 2 m	11	4
18	Cap on bar overhead HPL		4
19	Cap M8		12
20	Cup M8		12
21	Bolt M8x120.A2-70 DIN603		12
22	Nut M8.A2-70 DIN934		12
23	Washer 10.A2 DIN125		12
24	Screw 4.2x38.A2-70 DIN7982C (TX)		8

Picture 2 – Composition and characteristics of the product components for TL102

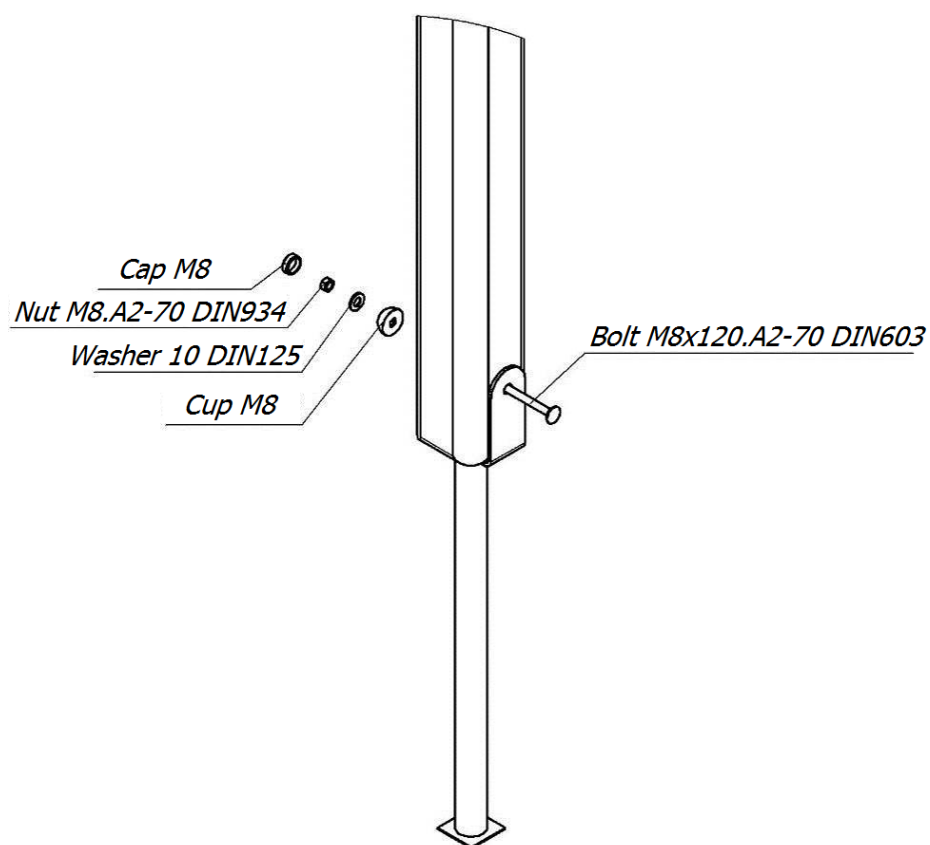


For TL103

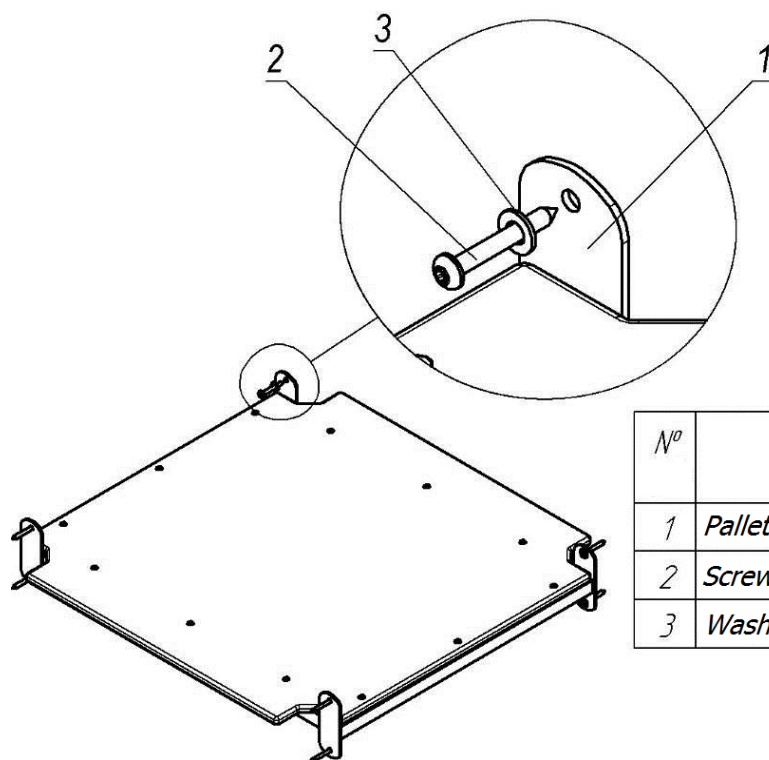


Pos.	Name	Weight, kg	Q-ty
1	Beam support	2	14
2	Pallet with fastening	11	1
3	Pallet (with hole) with fastening	11	1
4	Roof of the complex	15	3
5	Slide TL (0.7m) assembly	37	1
6	Ladder assembly with railing	30	1
7	Brace rod DN25 (L=600 mm) assembly	2	1
8	Panel "Walkway" assembly	2	2
9	Panel assembly	3	1
10	Double pallet with fastener	23	1
11	Rope crossing assembly	27	1
12	Bar with fastener	2	1
13	Bar with fastener	2	1
14	Panel "Labyrinth" assembly	3	1
15	Panel "Maze" assembly	4	1
16	Panel "Line game" assembly	4	1
17	Table with fastener	2	1
18	Beam 1 m	5	2
19	Beam 1.35 m	7	8
20	Beam 2 m	11	4
21	Cap on bar overhead HPL		2
22	Cap M8		14
23	Cup M8		14
24	Bolt M8x120.A2-70 DIN603		14
25	Nut M8.A2-70 DIN934		14
26	Washer 10.A2 DIN125		14
27	Screw 4.2x38.A2-70 DIN7982C (TX)		4

Picture 3 – Composition and characteristics of the product components for TL103

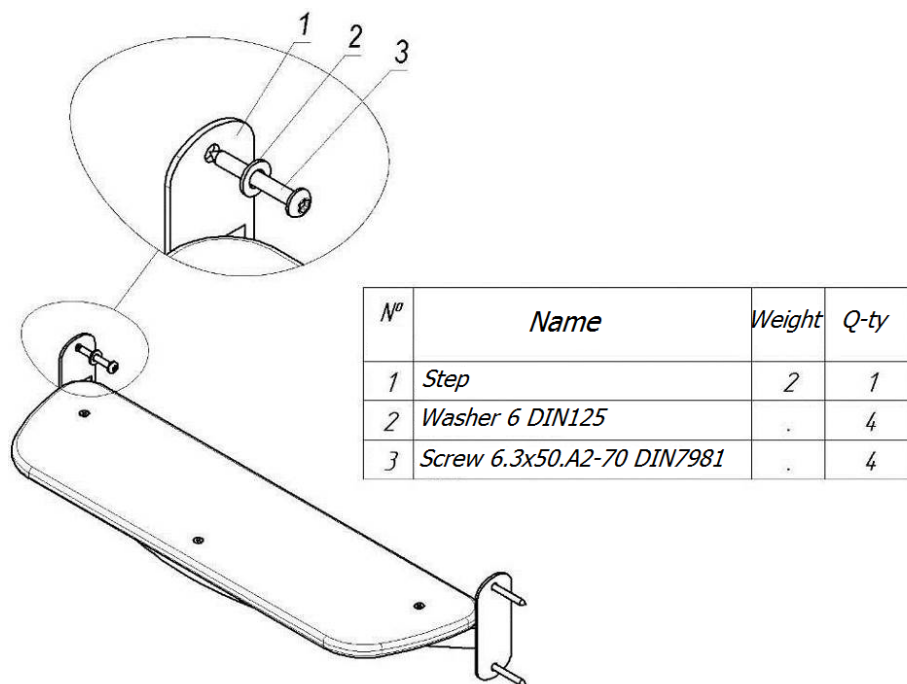


Picture 4 – Beam connections with supports

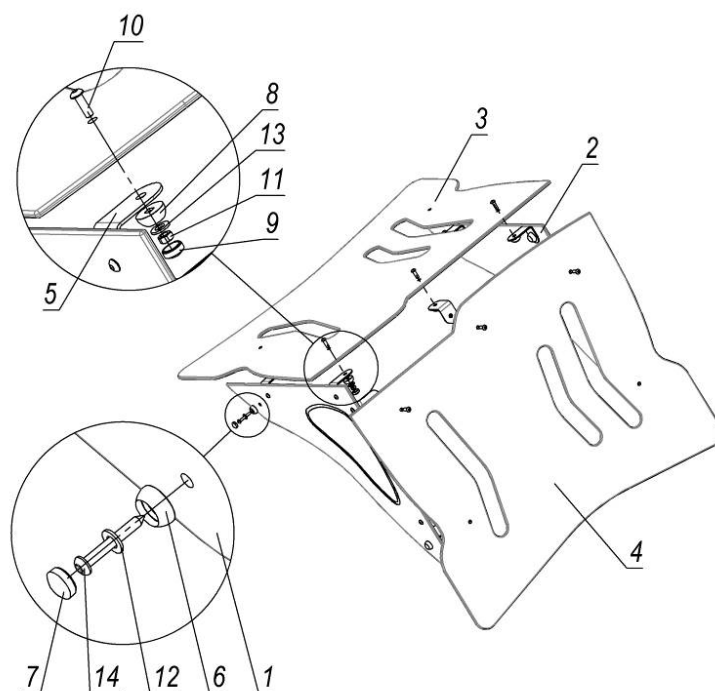


N ^o	Name	Weight	Q-ty
1	Pallet	11	1
2	Screw 6.3x50.A2-70 DIN7981	.	8
3	Washer 6 DIN125	.	8

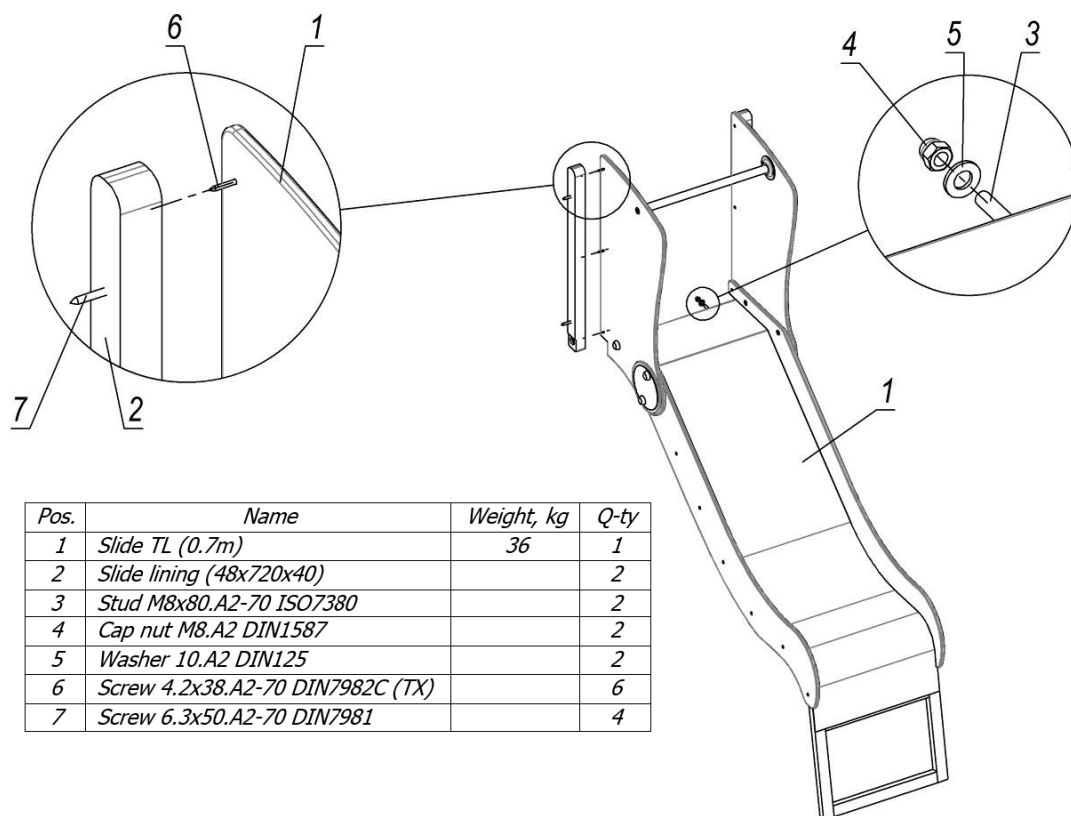
Picture 5 – Assembly scheme of pallets with fastening to the bars



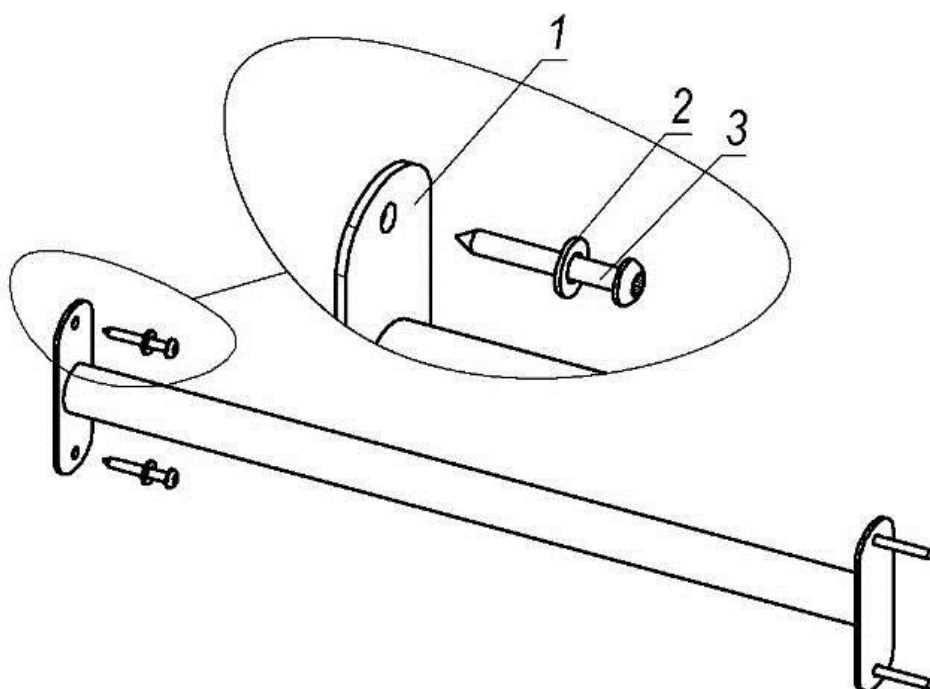
Picture 6 - Assembly scheme of the step with fastening to the bars for TL101



Picture 7 – Completeness and assembly scheme of the roof

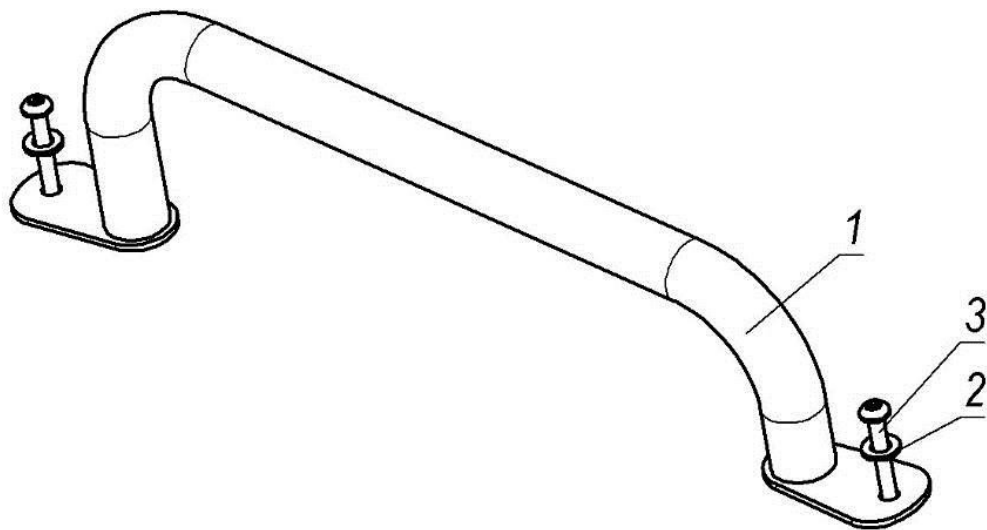


Picture 8 – Completeness and assembly scheme of the slide with attachment to the complex



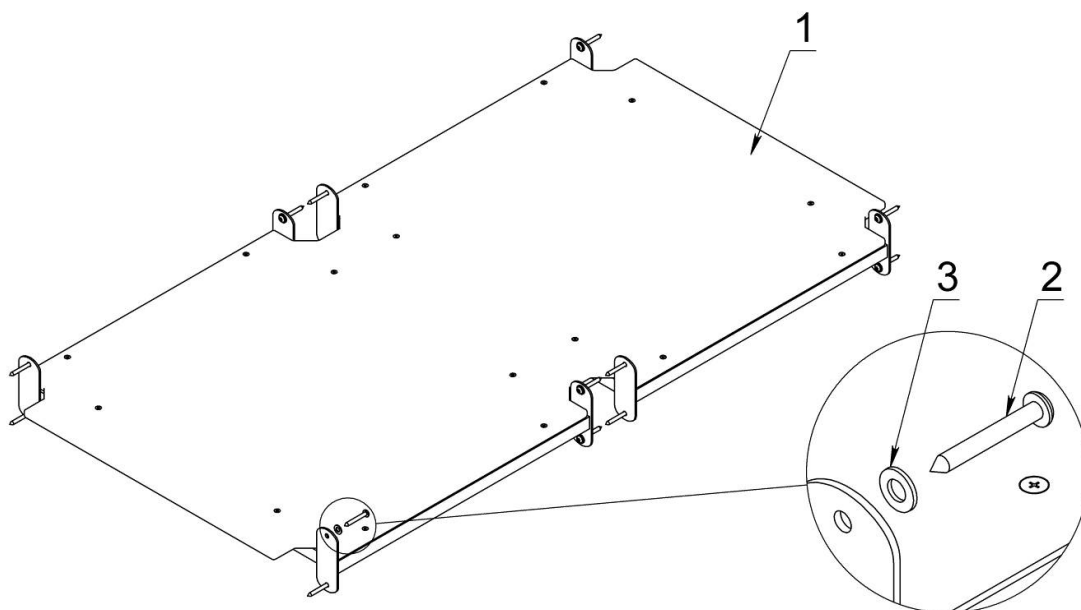
Nº	Name	Weight, kg	Q-ty, pcs.	Note
1	Metal brace rod	2	1	light yellow
2	Washer 6 DIN125		4	
3	Screw 6.3x50.A2-70 DIN7981		4	

Picture 9 – Fastening scheme of the metal brace rod to the complex TL102, TL103



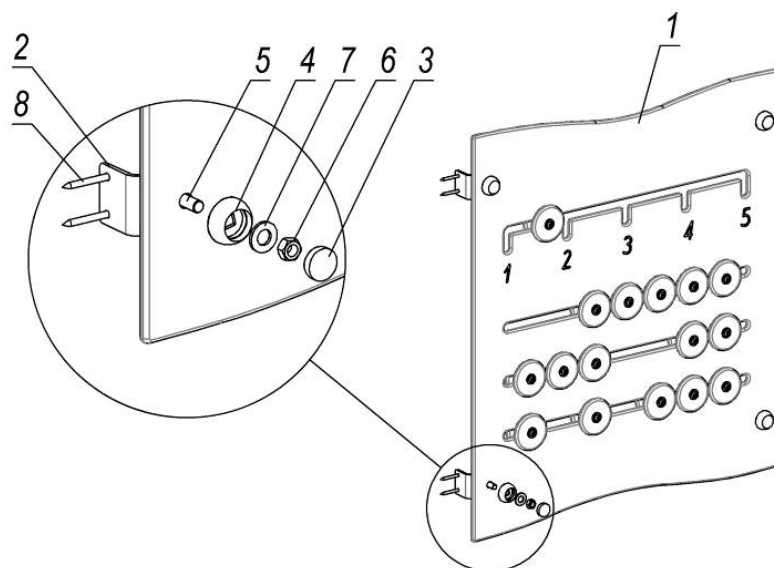
<i>Nº</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty, pcs.</i>	<i>Note</i>
1	Handle	1	1	light yellow
2	Washer 6 DIN125		2	
3	Screw 6.3x50.A2-70 DIN7981		2	

Picture 10 – Fastening scheme for a metal handle to a bar for TL101, TL102



<i>Nº</i>	<i>Name</i>	<i>Weight</i>	<i>Q-ty</i>
1	Double pallet	22	1
2	Screw 6.3x50.A2-70 DIN7981		16
3	Washer 6 DIN125		16

Picture 11 – Fastening scheme of the 'Double pallet' to the complex TL103



Pos.	Name	Weight, kg	Q-ty
1	Panel "Line game"	4	1
2	Corner bracket 40x60		4
3	Cap M8		4
4	Cup M8		4
5	Stud M8x25.A2-70 ISO7380		4
6	Nut M8.A2-70 DIN934		4
7	Washer 10.A2 DIN125		4
8	Screw 4.2x38.A2-70 DIN7982C (TX)		8

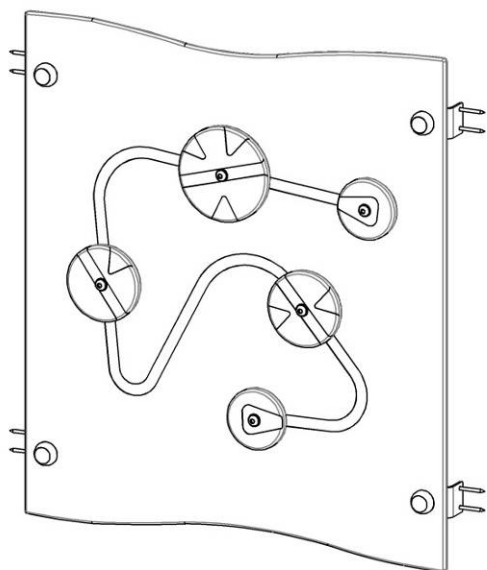
Use the following methods to assemble the rest of the panel, as shown in the table № 1

Picture12 – Assembly scheme of the game panel to the complex TL103

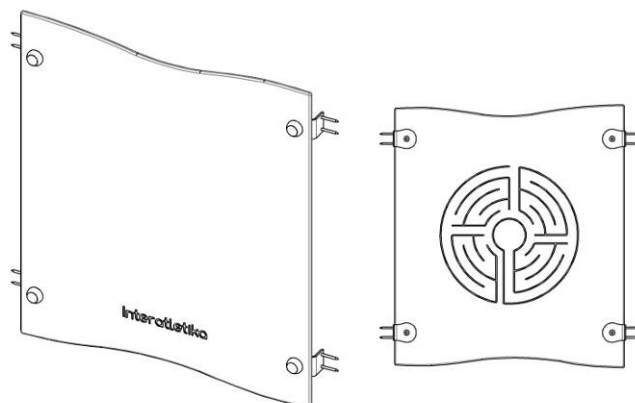
Table №1

Panel «Clock» for TL101	Panel with grooves for TL101, TL102, TL103

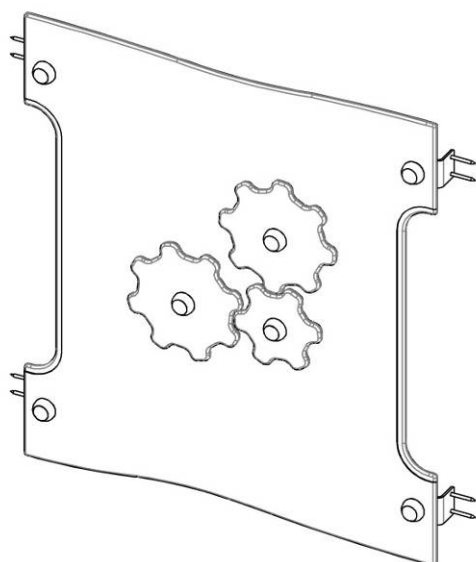
Panel «Maze» for TL103



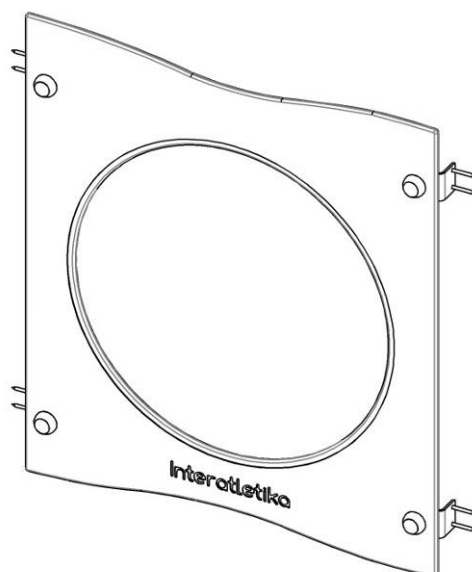
Panel «Mix-up» for TL102

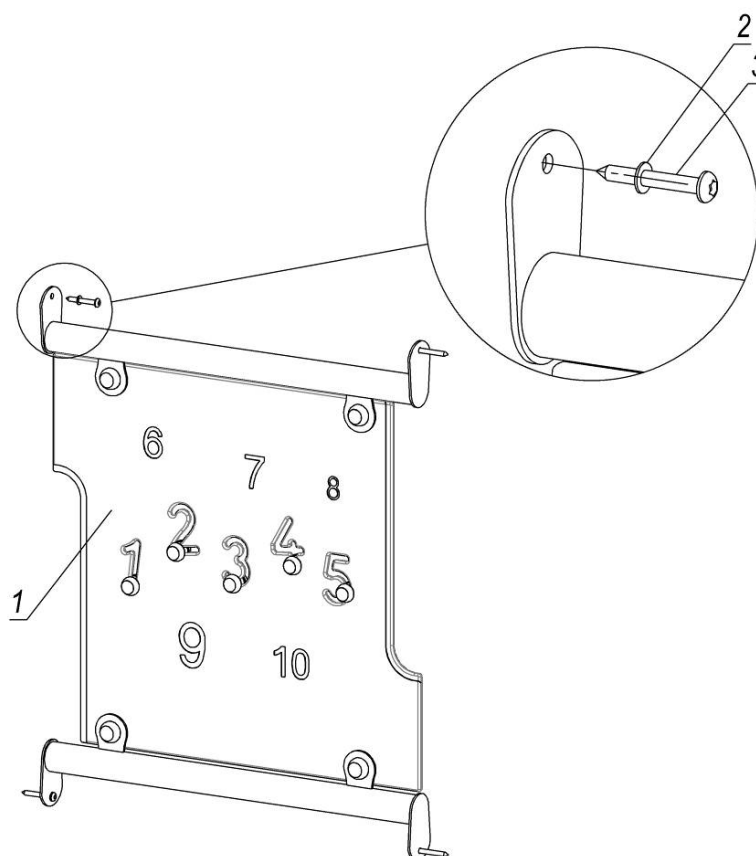
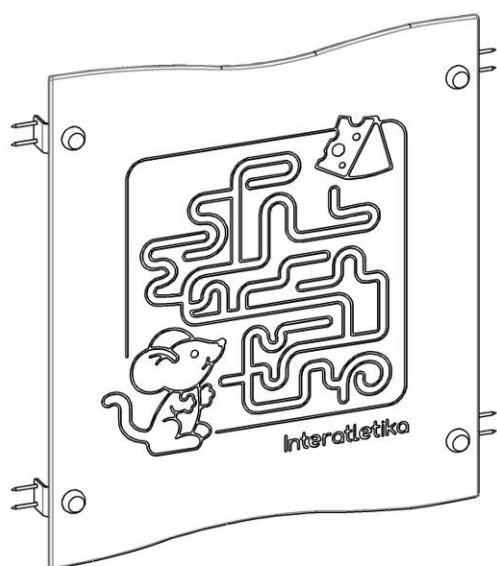


Panel «Gear wheel» for TL102



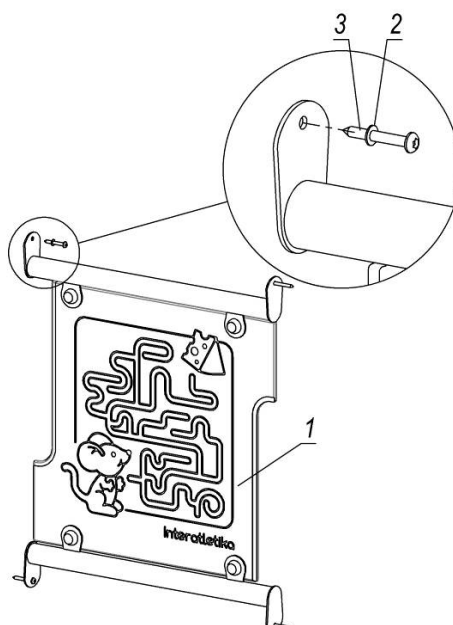
Panel «Walkway» for TL102, TL103





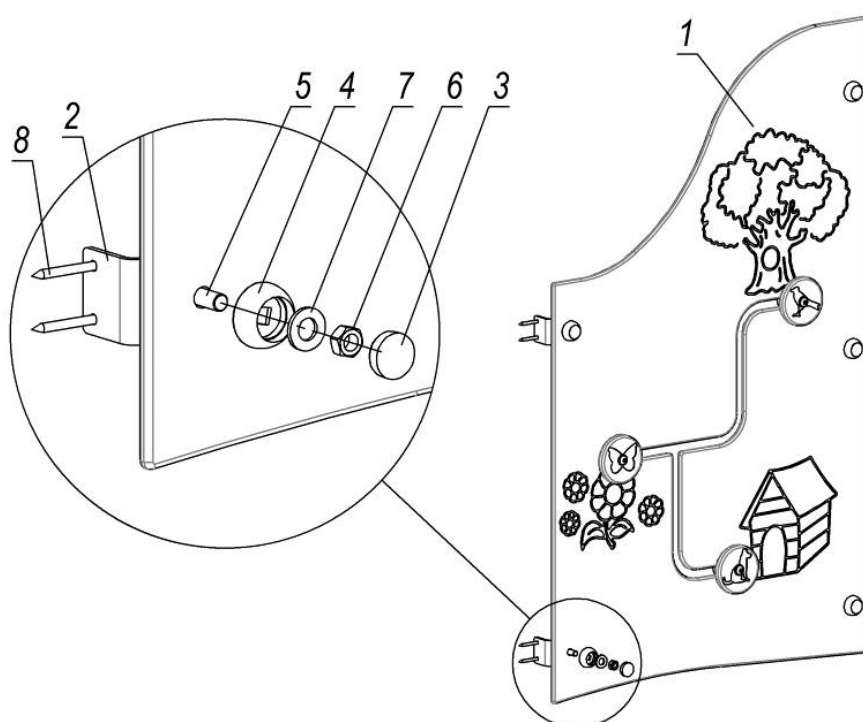
№	Name	Weight, kg	Q-ty, pcs.
1	Panel "Numbers"	6	1
2	Washer 6.A2 DIN125		4
3	Screw 6.3x50.A2-70 DIN7981		4

Picture 13 – Fastening scheme of the 'Numbers' panel to the complex TL102



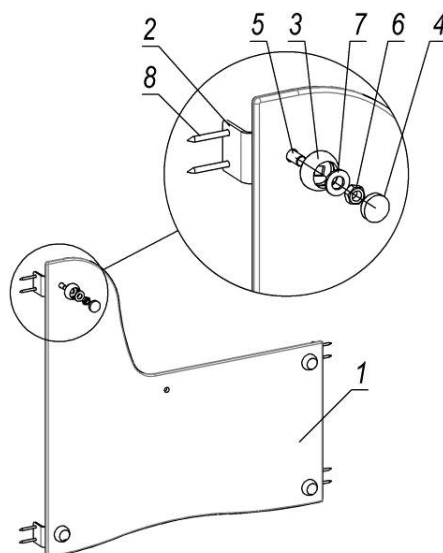
<i>Nº</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty, pcs.</i>
1	Panel "Labyrinth"	6	1
2	Washer 6.A2 DIN125		4
3	Screw 6.3x50.A2-70 DIN7981		4

Picture 14 – Completeness and assembly scheme of the Labyrinth panel with fastening to the complex TL101



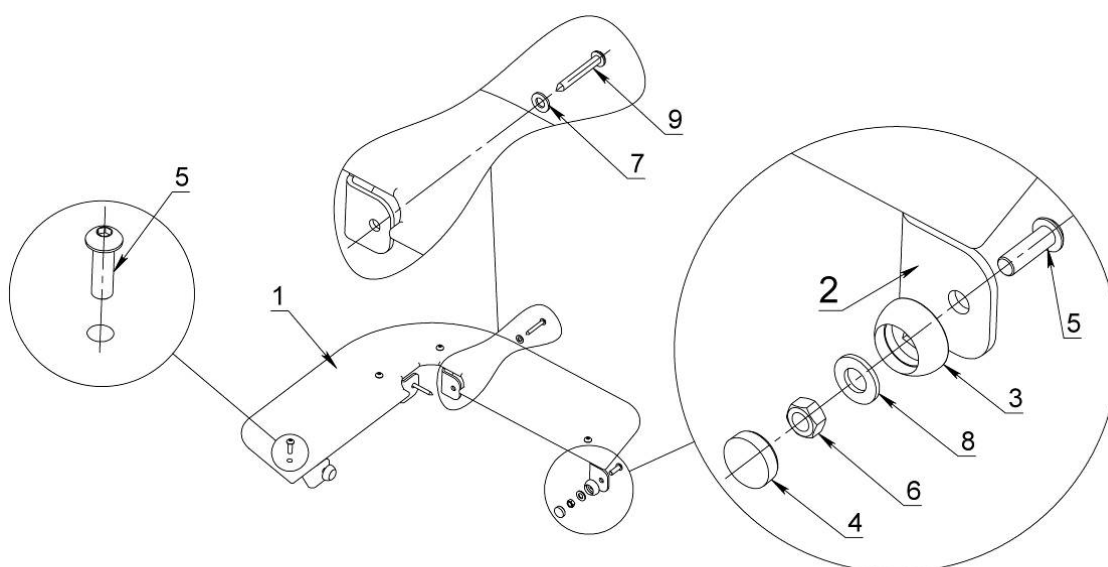
<i>Pos.</i>	<i>Name</i>	<i>Weight, kg</i>	<i>Q-ty</i>
1	Game panel	4	1
2	Corner bracket 40x60		5
3	Cap M8		5
4	Cup M8		5
5	Stud M8x25.A2-70 ISO7380		5
6	Nut M8.A2-70 DIN934		5
7	Washer 10.A2 DIN125		5
8	Screw 4.2x38.A2-70 DIN7982C (TX)		10

Picture 15 – Completeness and assembly scheme of the game panel for TL101



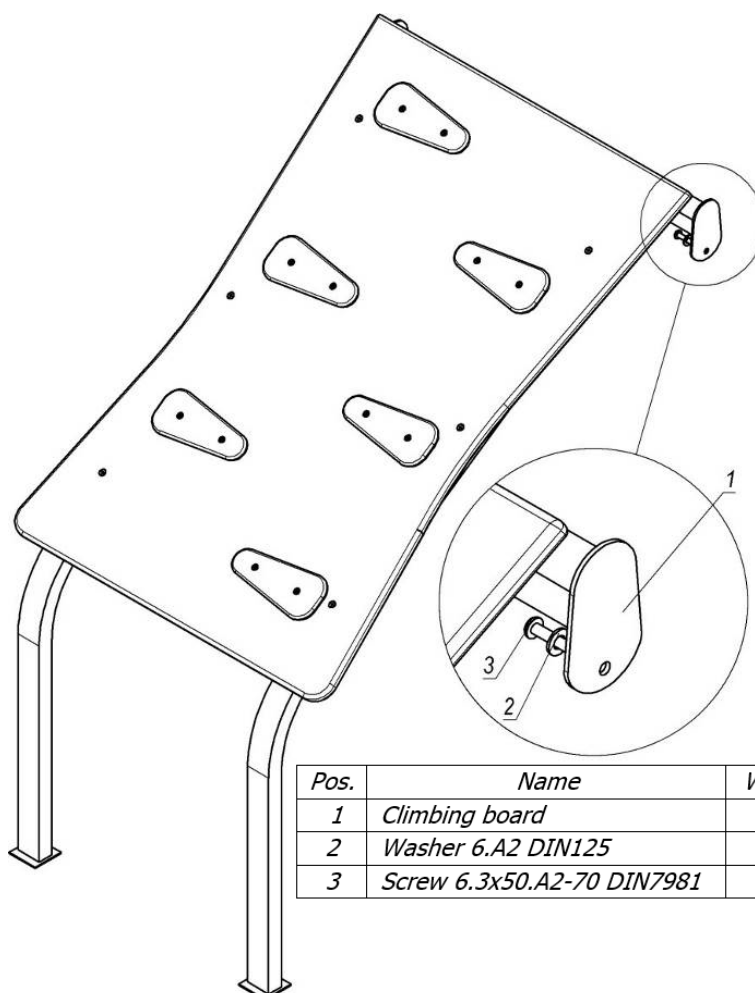
Pos.	Name	Weight, kg	Q-ty
1	Plank	2	1
2	Corner bracket 40x60		4
3	Cup M8		4
4	Cap M8		4
5	Stud M8x25.A2-70 ISO7380		4
6	Nut M8.A2-70 DIN934		4
7	Washer 10.A2 DIN125		4
8	Screw 4.2x38.A2-70 DIN7982C (TX)		8

Picture 16 – Fastening scheme of ‘Plank’ to the complex TL103



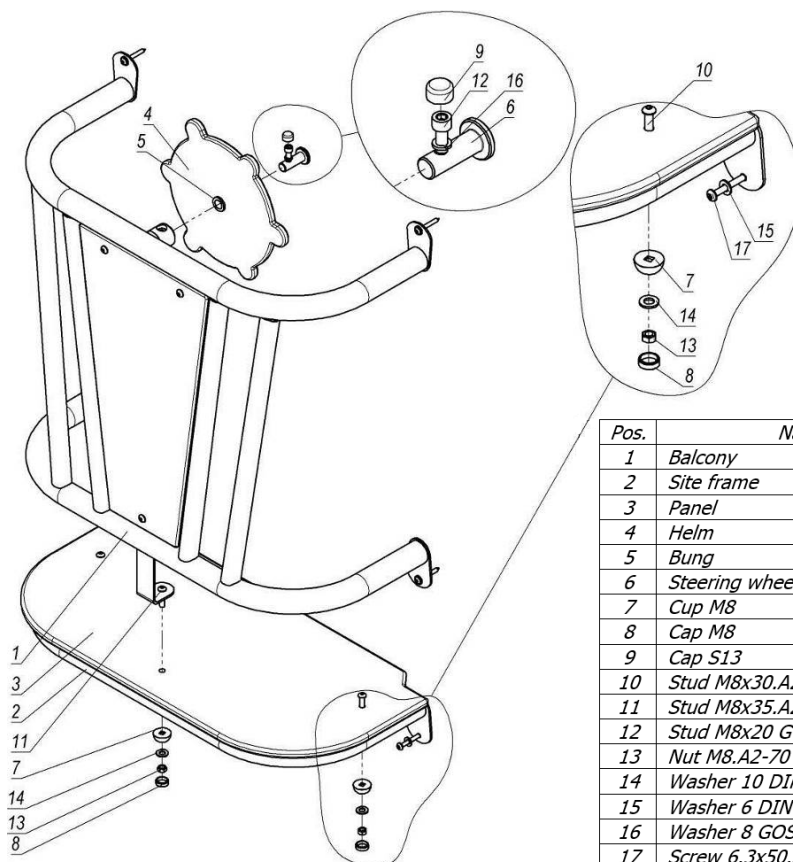
Pos.	Name	Weight, kg	Q-ty
1	Table	1	1
2	Angle bar with angle-plate		4
3	Cup M8		6
4	Cap M8		6
5	Stud M8x25.A2-70 ISO7380		6
6	Nut M8.A2-70 DIN934		6
7	Washer 8 DIN125		2
8	Washer 10 DIN125		6
9	Screw 6.3x50.A2-70 DIN7981		2

Picture 17 – Scheme of fastening the table to the complex TL103



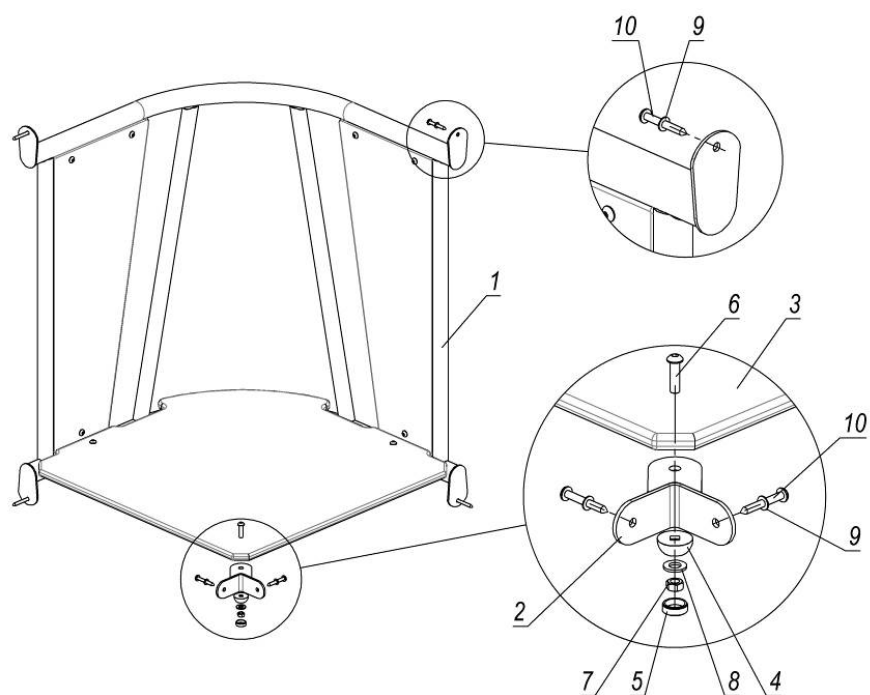
Pos.	Name	Weight, kg	Q-ty
1	Climbing board	13	1
2	Washer 6.A2 DIN125		2
3	Screw 6.3x50.A2-70 DIN7981		2

Picture 18 – Scheme of fastening the climbing board to the complex TL101



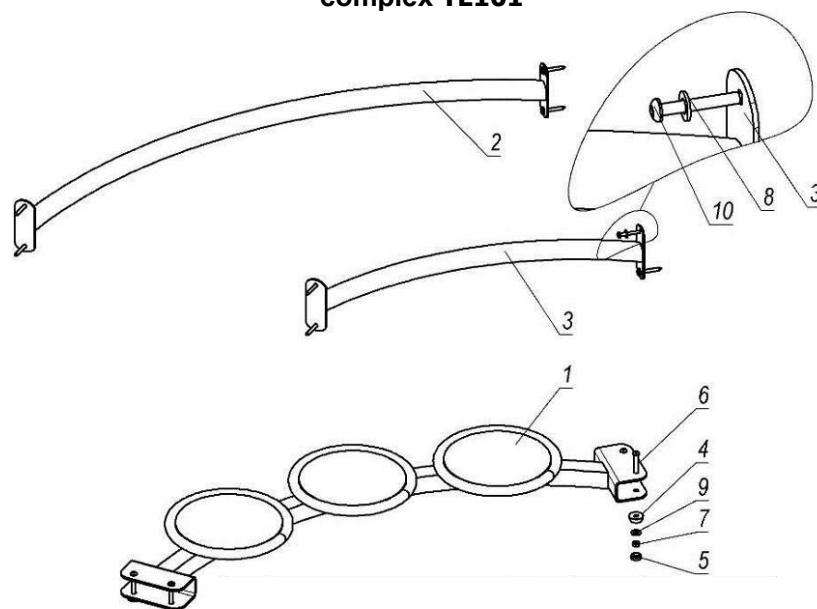
Pos.	Name	Weight, kg	Q-ty	Note
1	Balcony	13	1	
2	Site frame	3	1	Light yellow
3	Panel	3	1	
4	Helm		1	Light green
5	Bung		1	
6	Steering wheel axis		1	
7	Cup M8		3	Black
8	Cap M8		3	Black
9	Cap S13		1	
10	Stud M8x30.A2-70 ISO7380		2	
11	Stud M8x35.A2-70 ISO7380		1	
12	Stud M8x20 GOST11738		1	
13	Nut M8.A2-70 DIN934		3	
14	Washer 10 DIN125		3	
15	Washer 6 DIN125		6	
16	Washer 8 GOST6402		1	
17	Screw 6.3x50.A2-70 DIN7981		6	

Picture 19 – Completeness and assembly scheme of the balcony with a platform for TL101



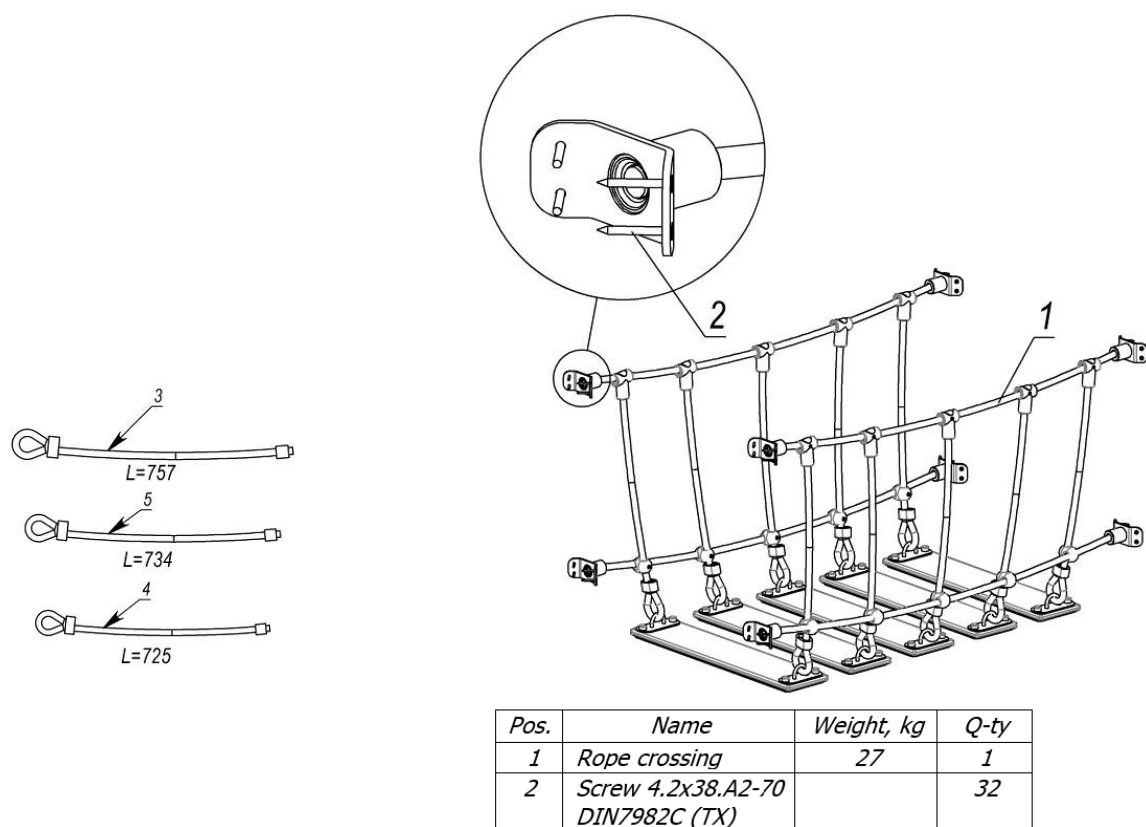
Pos.	Name	Weight, kg	Q-ty	Note
1	Arch balcony	15	1	
2	Angle fastener		1	Light yellow
3	Balcony pallet	5	1	
4	Cup M8		3	Black
5	Cap M8		3	Black
6	Stud M8x30.A2-70 ISO7380		3	
7	Nut M8.A2-70 DIN934		3	
8	Washer 10.A2 DIN125		3	
9	Washer 6.A2 DIN125		6	
10	Screw 6.3x50.A2-70 DIN7981		6	

Picture 20 – Completeness and assembly scheme of the arched balcony with a platform to the complex TL101

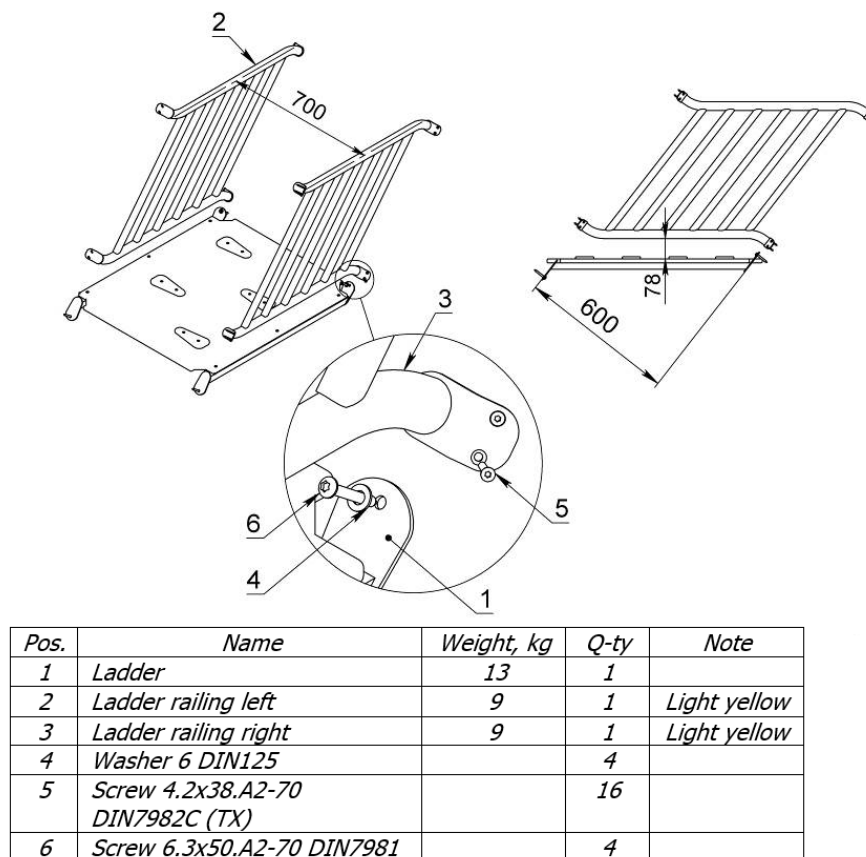


Pos.	Name	Weight, kg	Q-ty	Note
1	Arch crossing	10	1	
2	Arch railing	4	1	Light yellow
3	Arch railing small	2	1	Light yellow
4	Cup M8		4	Black
5	Cap M8		4	Black
6	Stud M8x60.A2-70 ISO7380		4	
7	Nut M8.A2-70 DIN934		4	
8	Washer 6 DIN125		8	
9	Washer 10 DIN125		4	
10	Screw 6.3x50.A2-70 DIN7981		8	

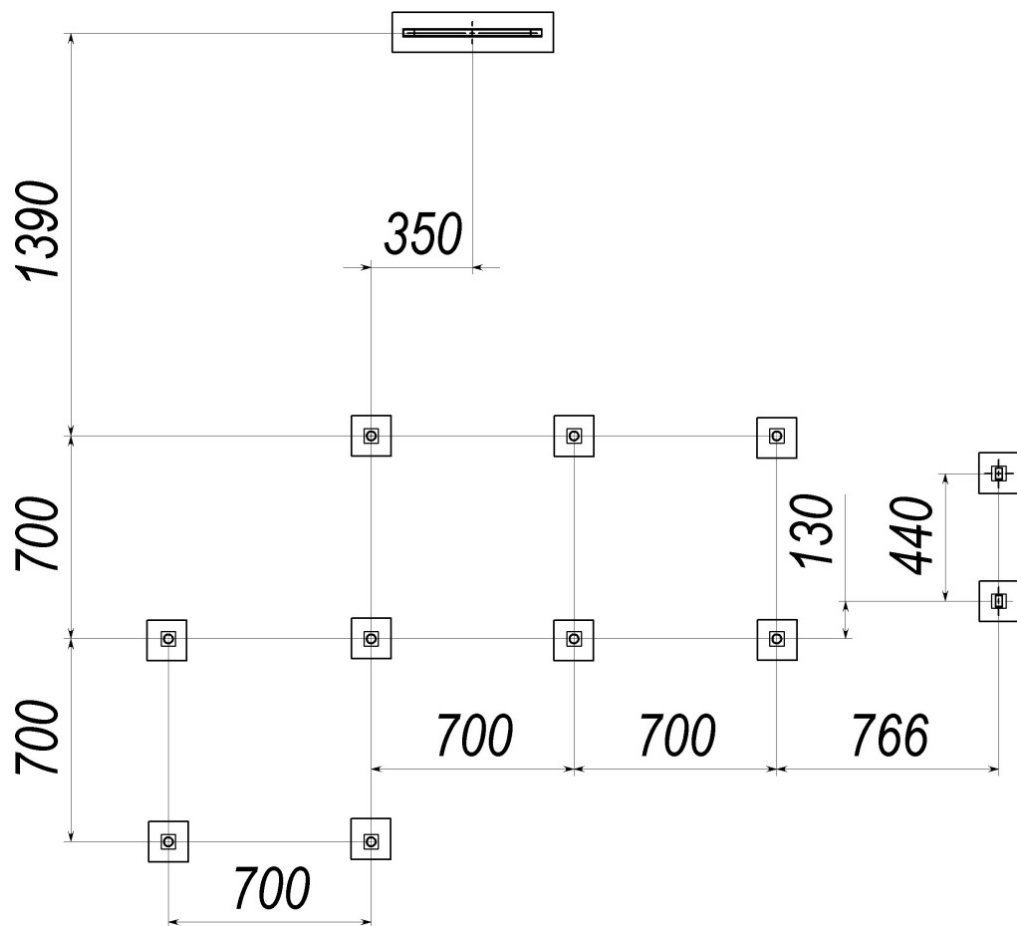
Picture 21 – Completeness and assembly scheme of the arc crossing to the complex TL102



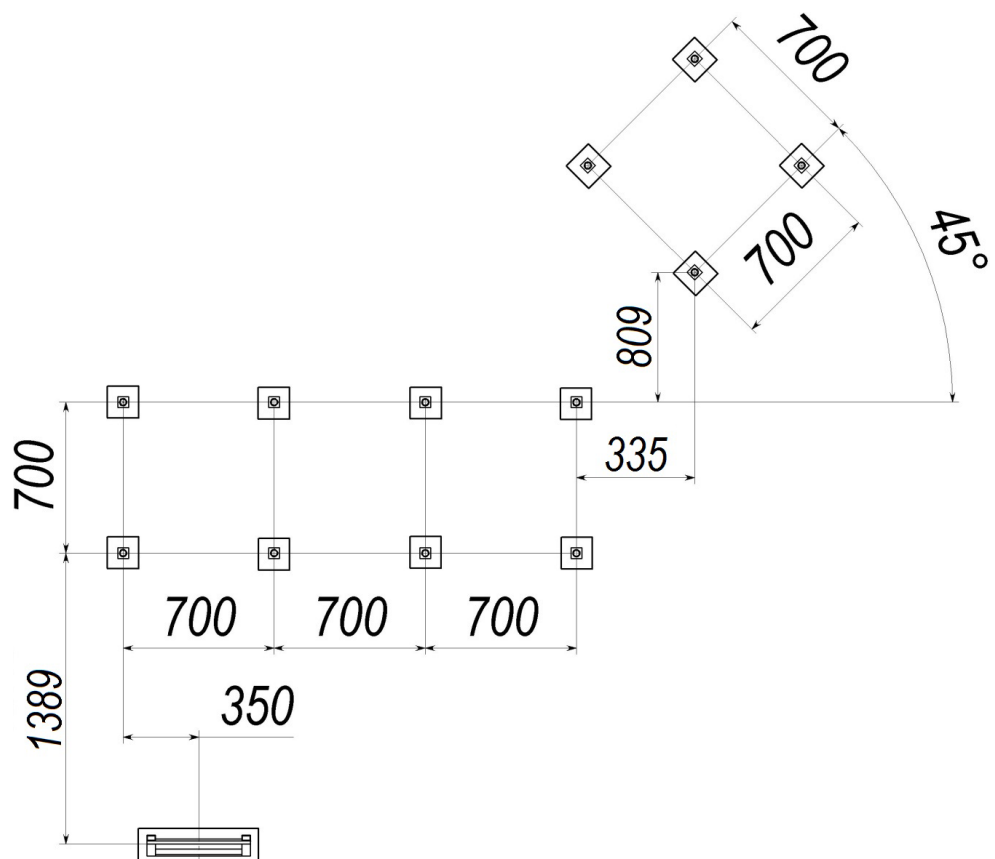
Picture 22 – Completeness and assembly scheme of the rope assembly to the complex TL103



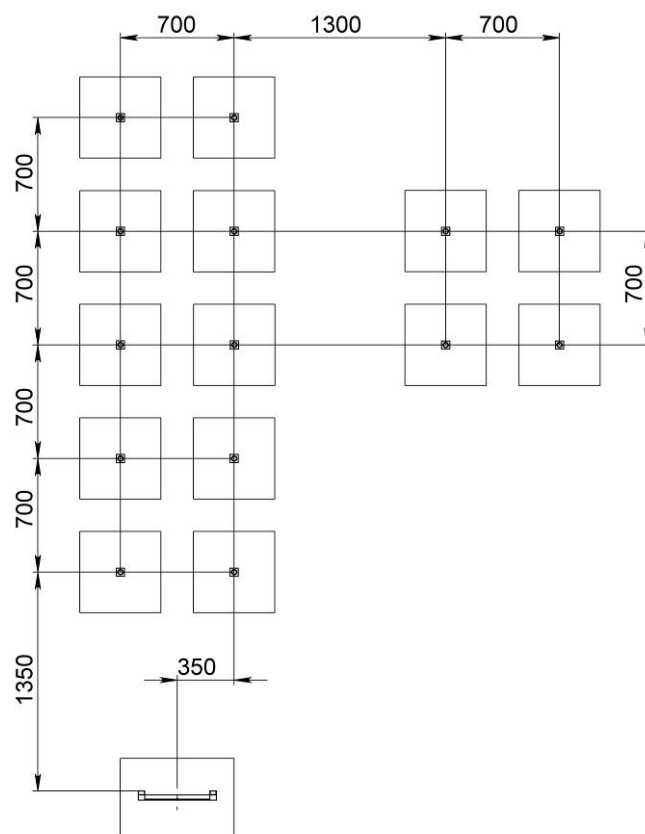
Picture 23 – Completeness and assembly scheme of the ladder with handrails to the complex TL102, TL103



For TL101

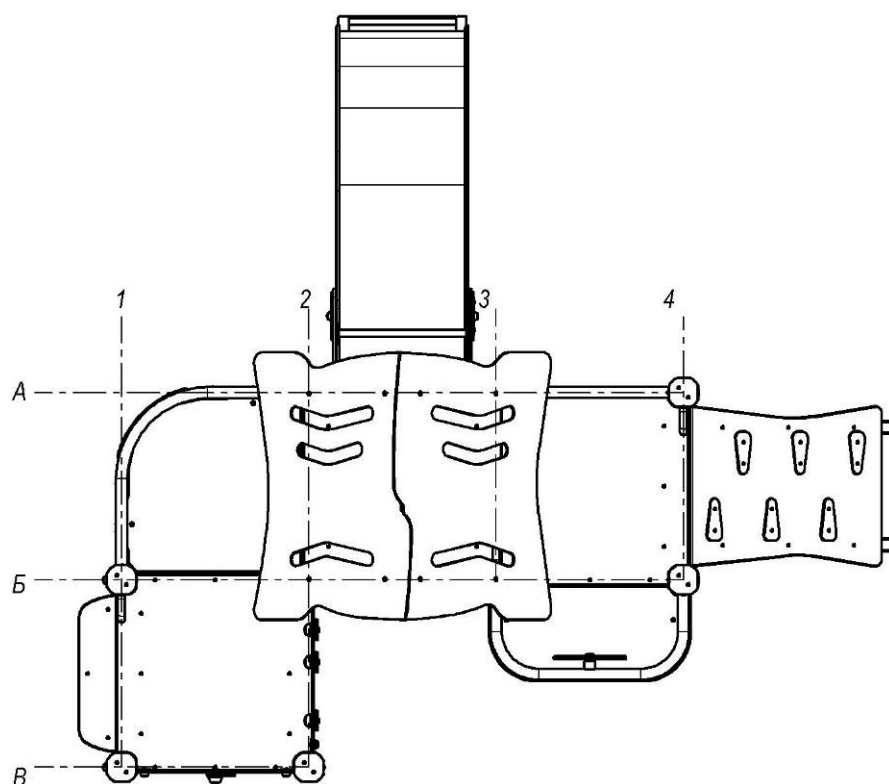


For TL102

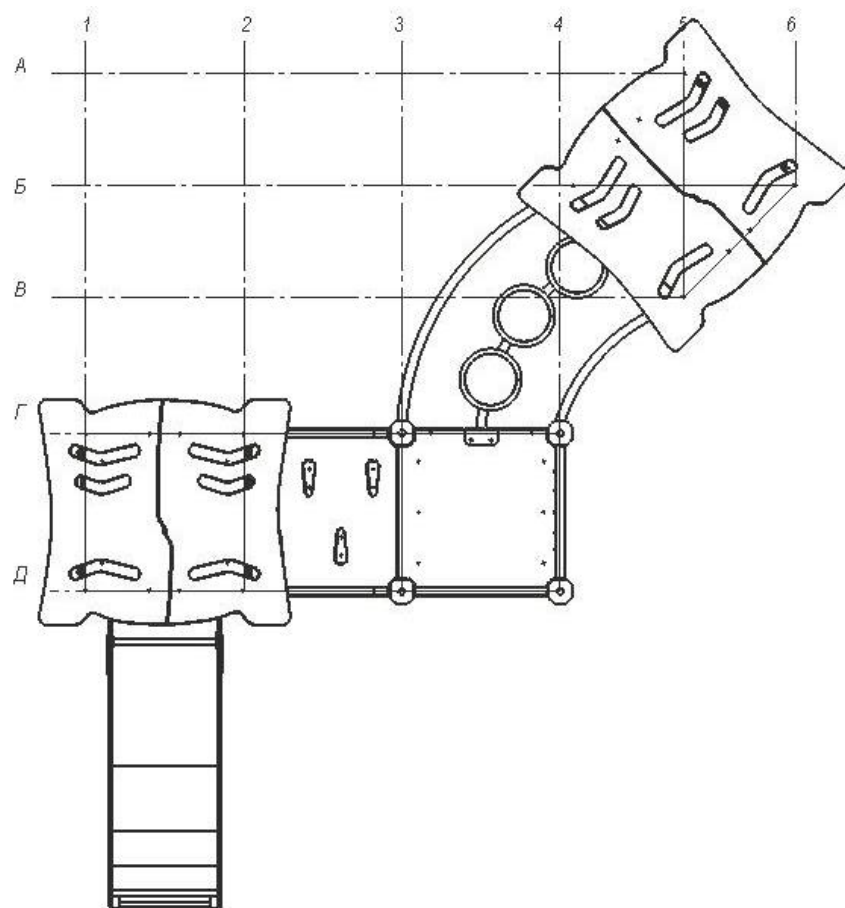


For TL103

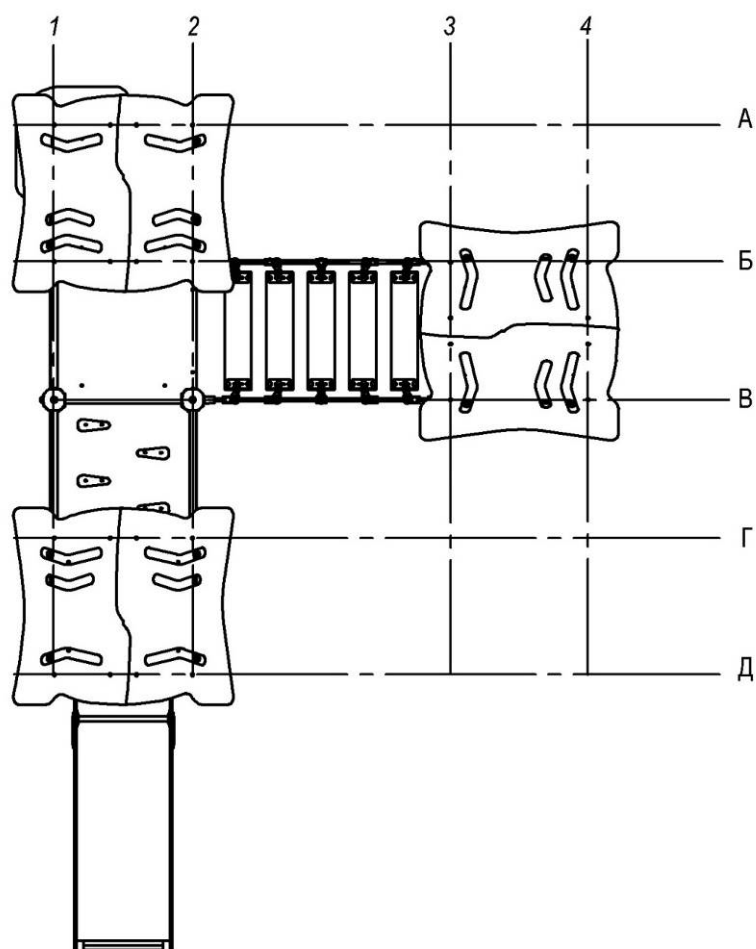
Picture 24 – Layout of the foundations



For TL101

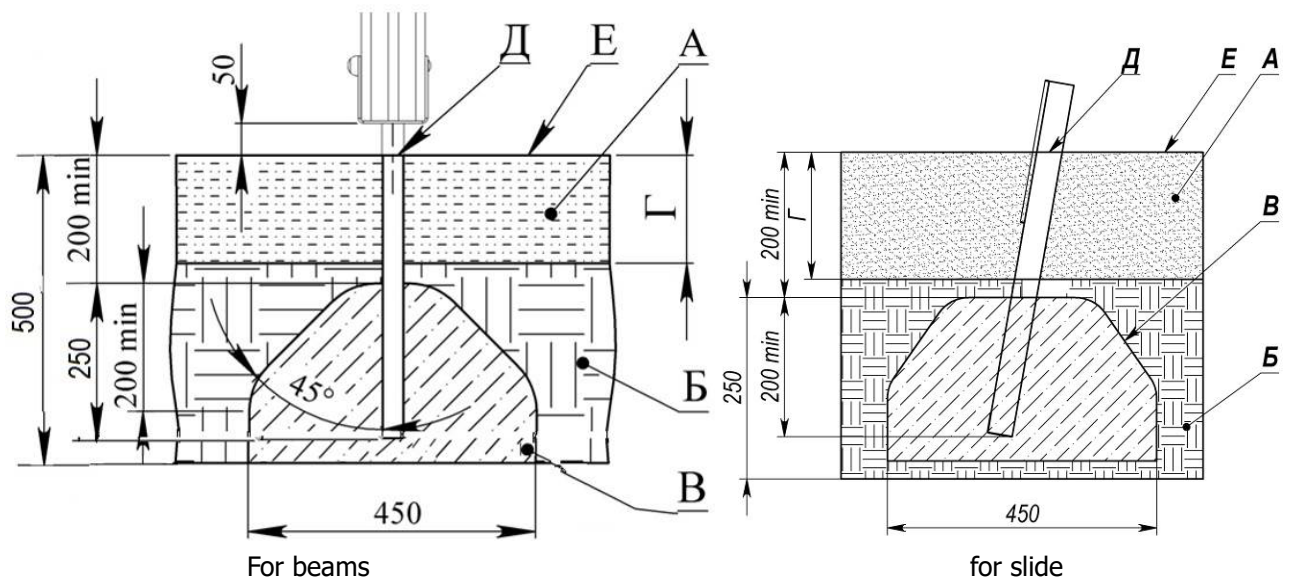


For TL102



For TL103

Picture 25 – Bar marking plan for the installation scheme

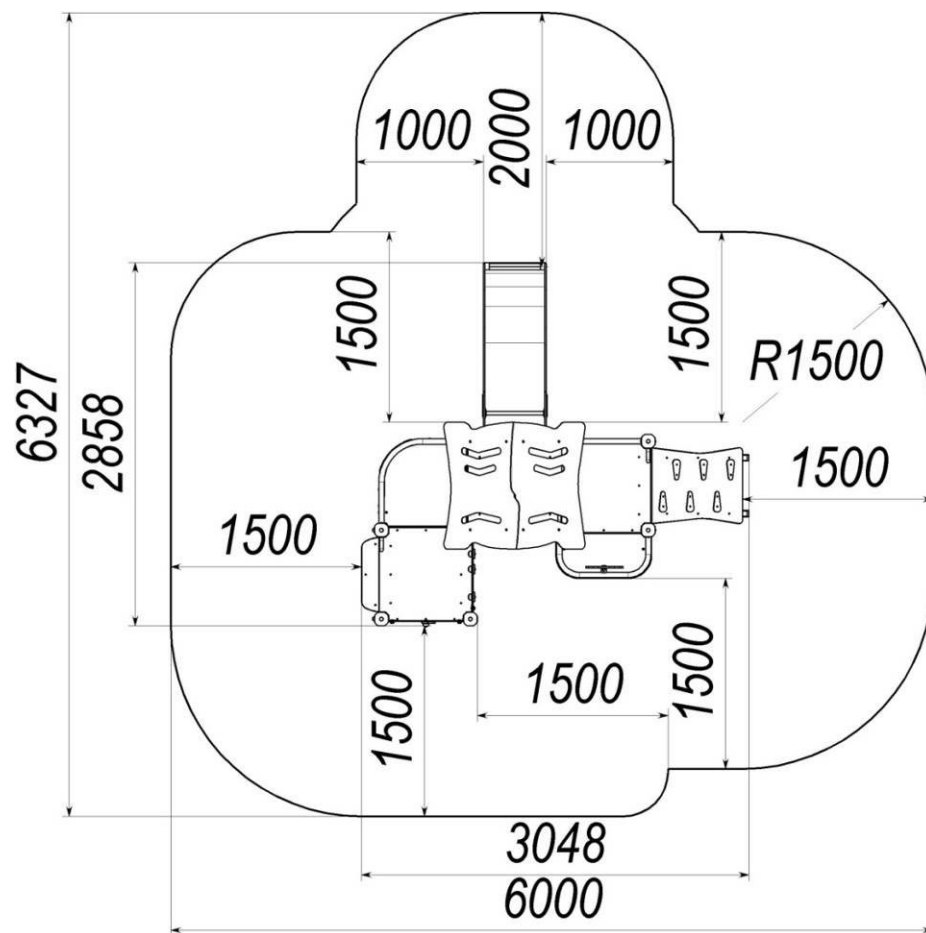


A - shock-absorbing coating;
Б - soil;
Б - concrete;
Г - depth of the shock absorbing coating;
Д - product level plane;
Е - game surface.

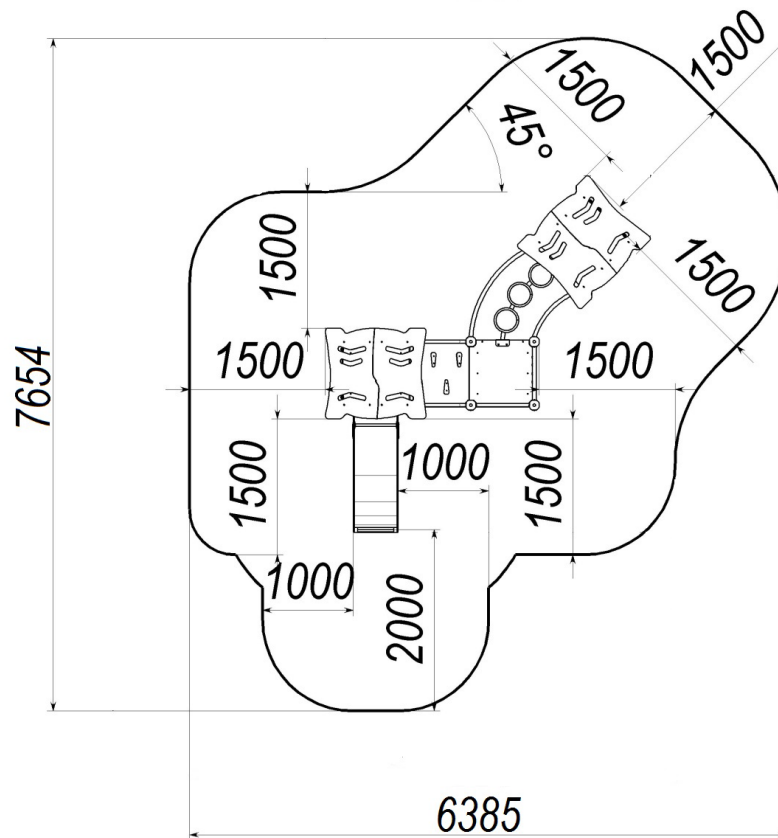
Picture 26 – Concreting scheme

Examples of impact-absorbing coatings

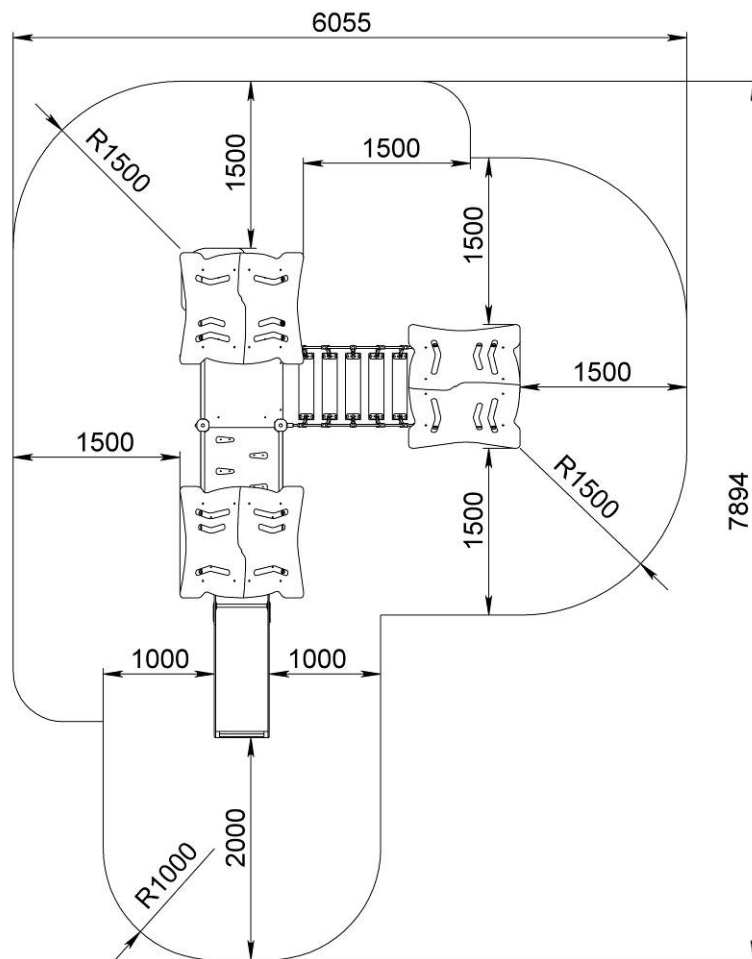
Material ¹	Description	Minimal depth, mm	Fall height, mm
Turf			≤ 1000
Tree bark	grain size 20-80 mm	200	≤ 2000
		300	≤ 3000
Sawdust	grain size 5-30 mm	200	≤ 2000
		300	≤ 3000
Sand ²	grain size 0.2-2 mm	200	≤ 2000
		300	≤ 3000
Gravel ²	grain size 2-8 mm	200	≤ 2000
		300	≤ 3000
Another material	HIC tested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



For TL101



For TL102



For TL103

Picture 27 – Safety zone

