

DATA SHEET

Gymnastic complex «Athlete 2»

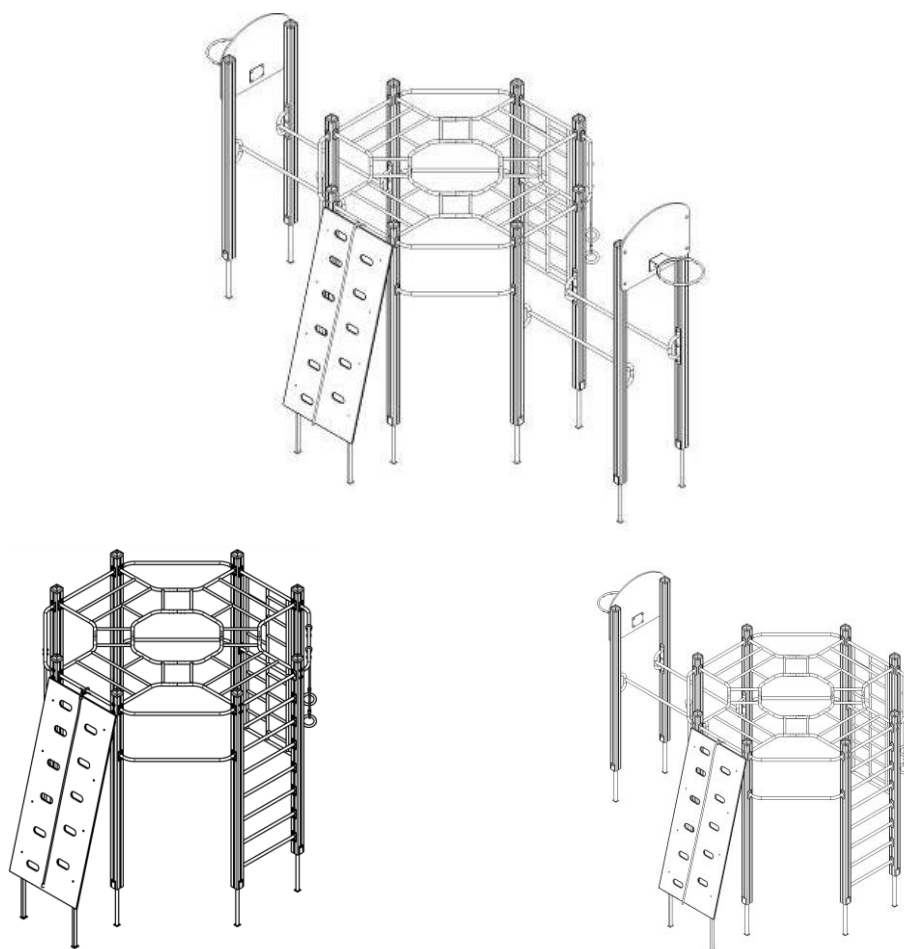
S723

Gymnastic complex «Athlete 1»

S724 (-RC)

Gymnastic complex «Athlete»

S724.1 (-RC)



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

	S723	S724	S724.1
Length, mm	7045	4931	2829
Width, mm	3417	3417	3417
Height, mm	3293	2793	2595
Weight, kg	373.6	336.2	274.9
Height of fall, mm	2408		
Age range, years	Up to 12		
Weight limits, kg	Up to 60		

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

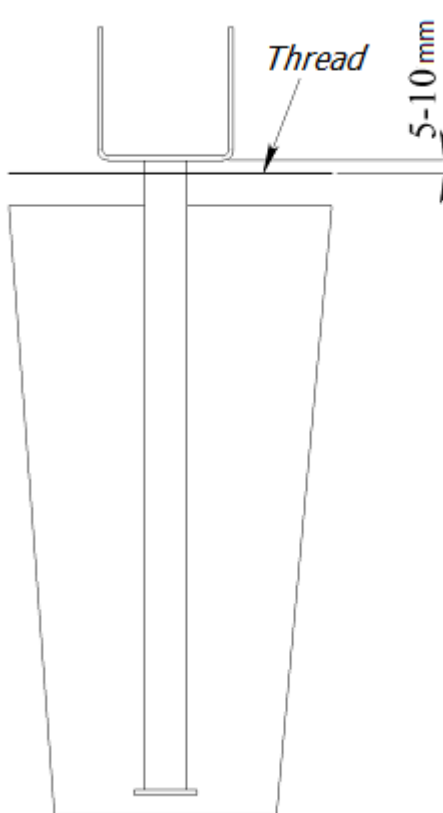
The gymnastic complex is delivered disassembled. The product consists of a set of gymnastic elements, such as basketball shield, gymnastic rings, climbing rope, ascent, etc. The completeness and basic geometric dimensions of the product are presented in the Appendix №1.

4. PRODUCT ASSEMBLY AND INSTALLATION PROCEDURE

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

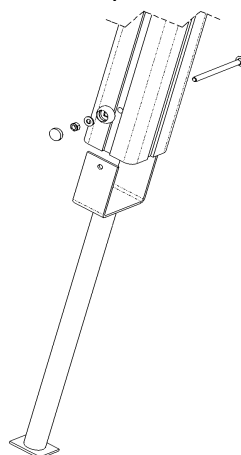
Product assembly and installation procedure.

- 1) Mark out the area as indicated on the foundation layout scheme with racks (see Appendix №1).
- 2) Dig holes in the ground for installing the posts, observing the specified geometric dimensions.
- 3) Pull the threads along the prepared recesses, marking zero (the level of the covering, or if there is no covering, then the ground). Level the depth of the supports in advance with help of supports, deepening the recesses.



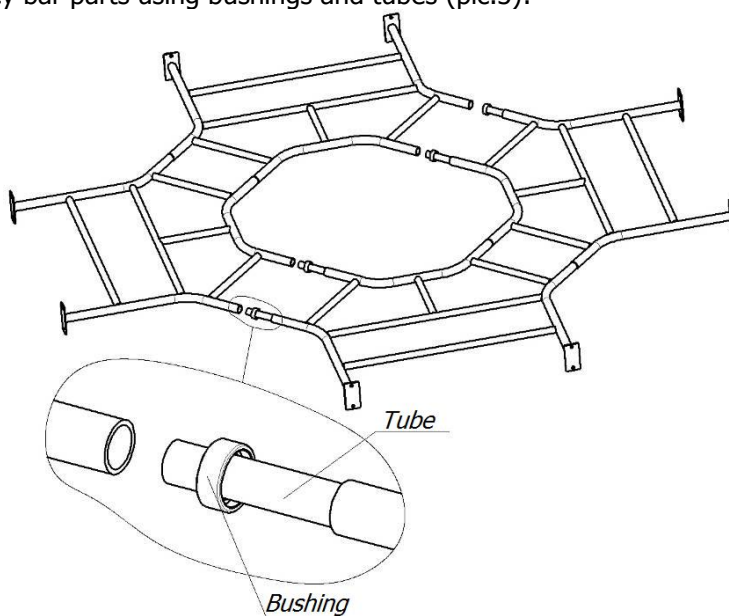
Pic. 1

- 4) Using M8x120 GOST7802 bolts, M8 GOST 5915 nuts, 10 GOST 11371 washers, caps and M8 cups assemble the beams with supports as shown in the picture:



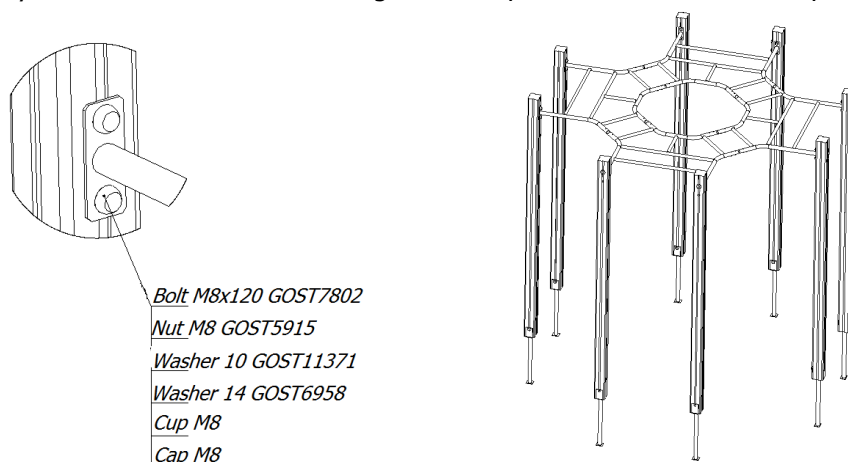
Pic.2

- 5) Assemble the monkey bar parts using bushings and tubes (pic.3):



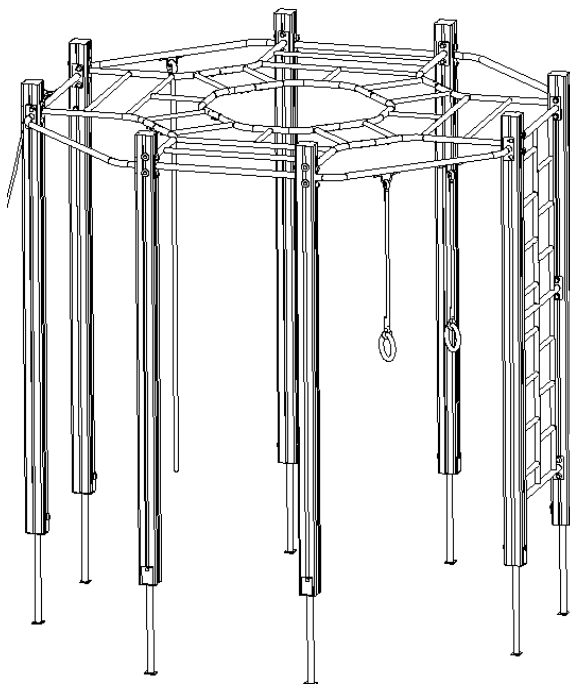
Pic.3

- 6) Fasten the monkey bar between the beams using standard products as shown in the picture below:



Pic.4

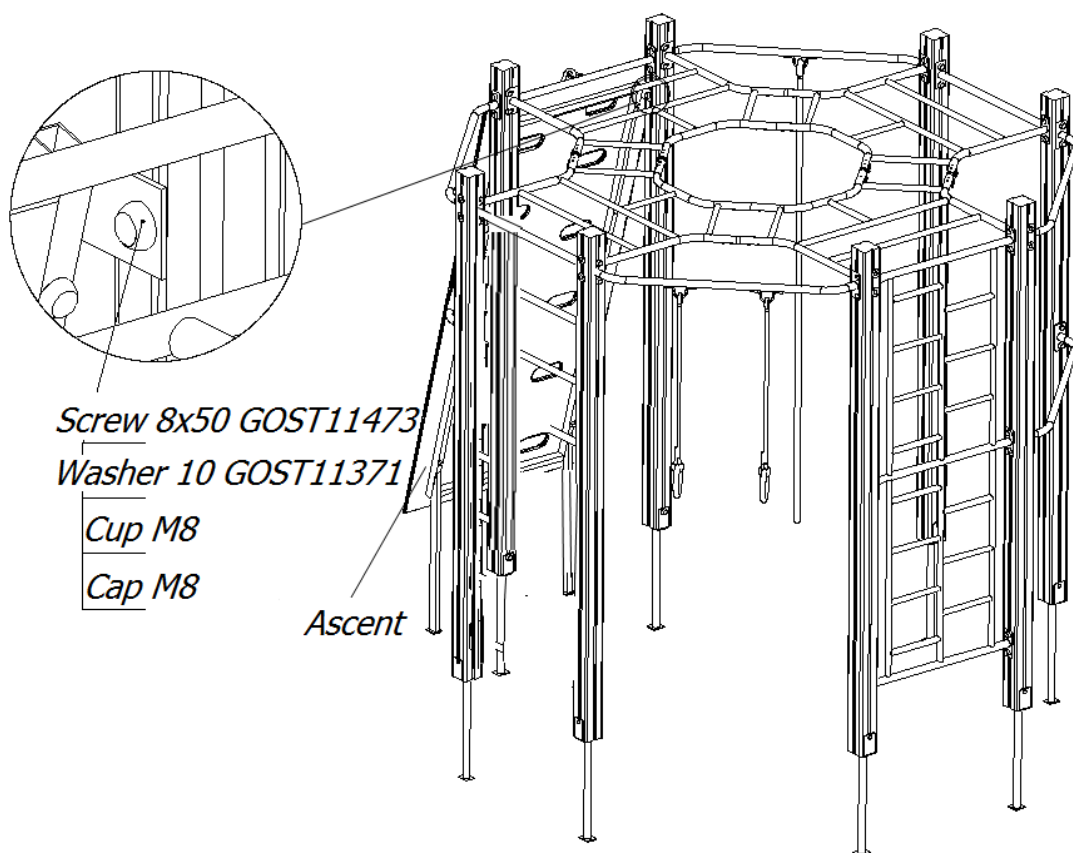
- 7) The beams are connected to each other by crossbars, brace rods, metal ladder using M8x120 GOST 7802 bolts, 10 GOST 11371 washers, M8 GOST 5915 nuts, M8 cups and caps. The lower flanges of the metal ladder are attached using 8x50 GOST 11473 screws, 10 GOST 11371 washers, M8 cups and caps.



Pic. 5

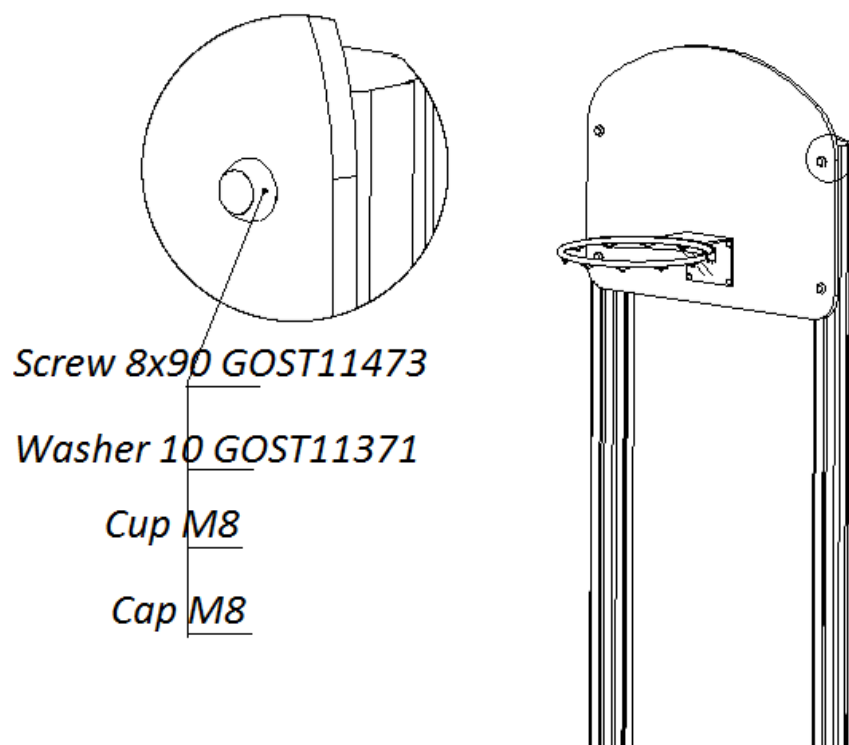
For S723

- 1) Attach the ascent to the beams according to the geometric dimensions specified in the Appendix and standard products, as shown in the picture:



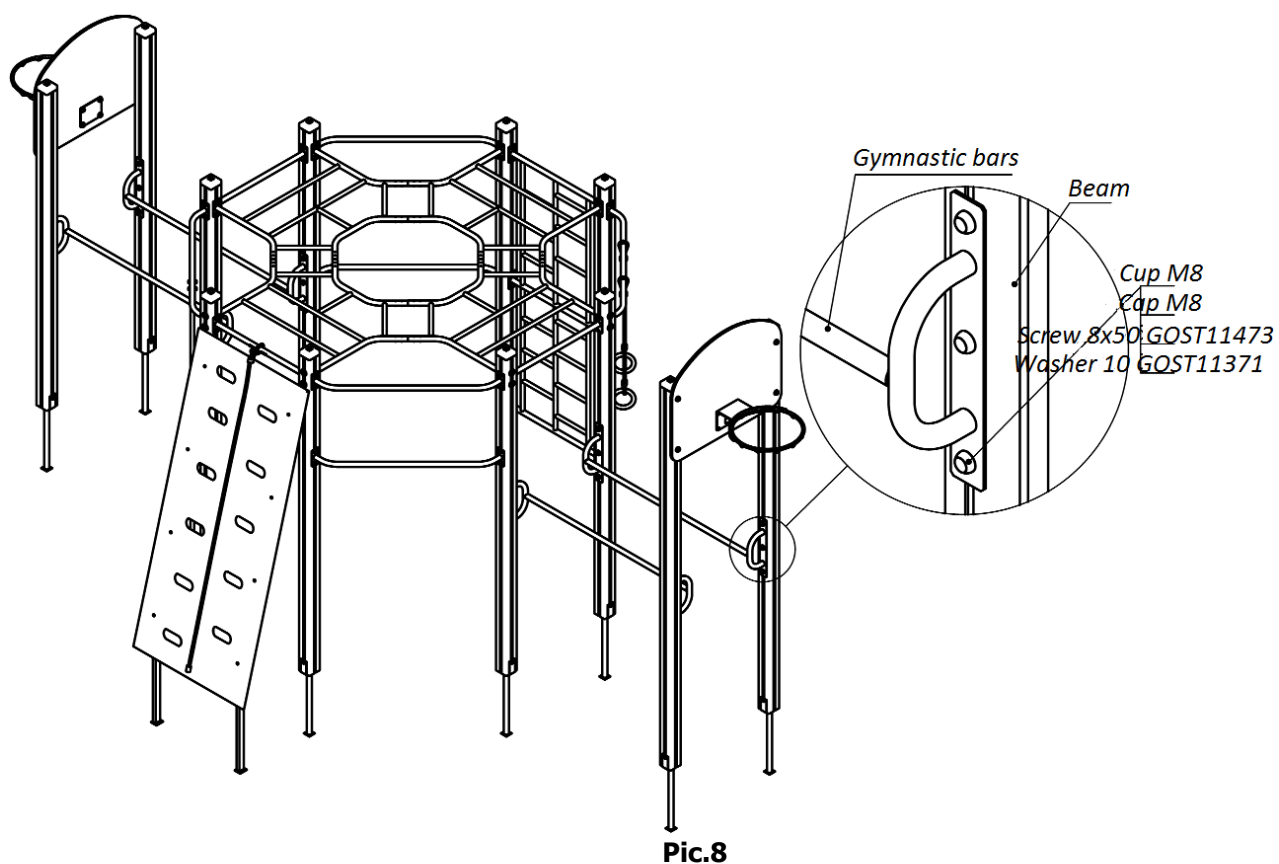
Pic.6

- 2) Attach basketball shields (pic.7) to the beams (length – 3 m and 2,5 m).



Pic.7

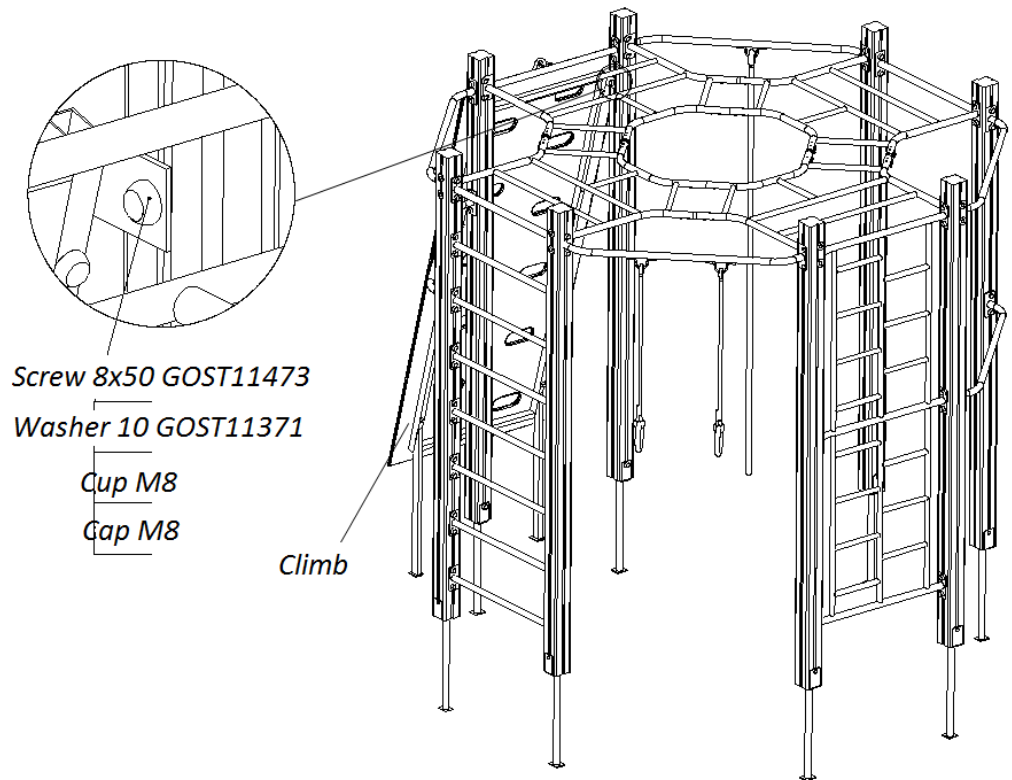
- 3) Connect the beams to the basketball shields in both sides of the complex (general view see in Appendix) with metal beams in accordance with the picture presented:



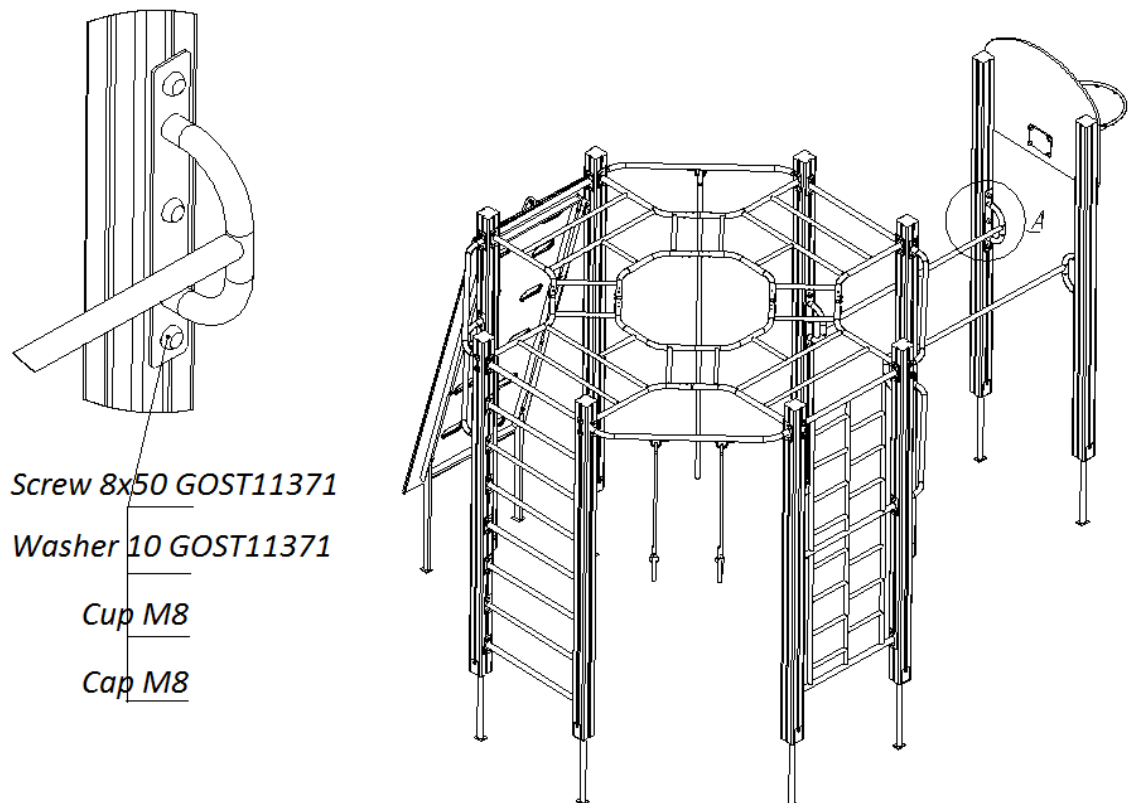
Pic.8

For S724

- 1) Attach the climb to the beams according to the geometric dimensions specified in the Appendix and the standard components, as shown at the picture:



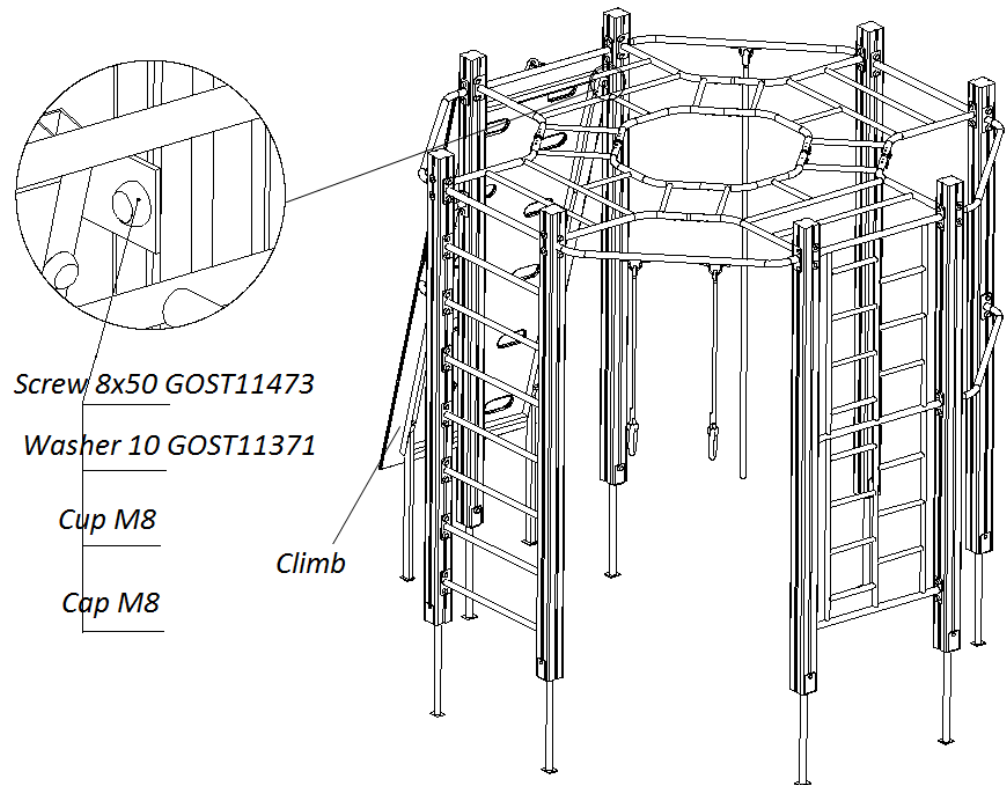
- 2) Connect the beams and the basketball shield to one of the sides of the complex (general view and necessary sizes see in Appendix) with metal beams, as shown at the picture:



Pic.8

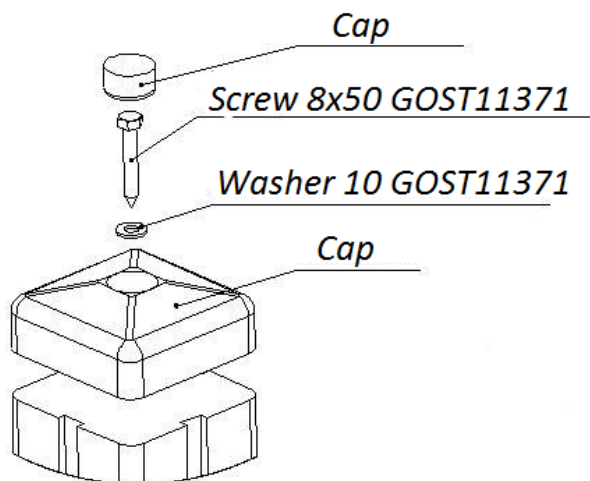
For S724.1

- 1) Brace rod with a rope assembly, beam with gymnastic rings and with climbing rope, metal fixators are fixed at the beams with bolts M8x120 GOST 7802, nuts M8 GOST 5915, washers 10 GOST 11371, cups and caps M8 (type, necessary sizes are presented in the Appendix). At the places where In places where, on the other side, the metal ladder, crossbars, or horizontal bar do not connect to another gymnastics element, they are attached to the parallel bars using 8x50 screws (GOST 11473), 10 washers (GOST 11371), and M8 nuts and caps.
- 2) The climb is fixed to the beams with standard fixators, as shown at pic. 9.



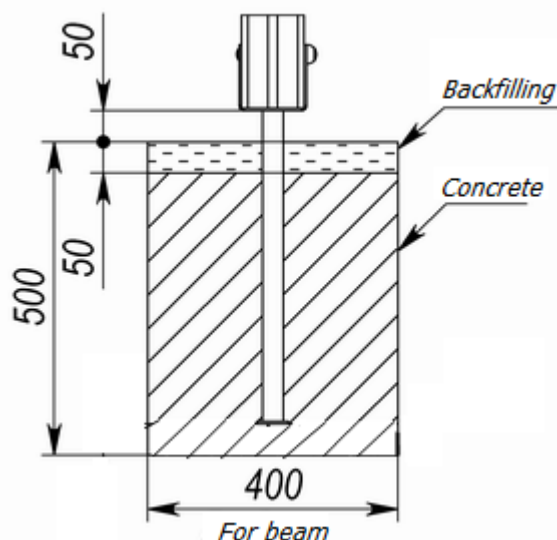
Pic.9

- 8) Caps must be put at the top of the beams:



Pic.10

- 9) Install the product so that it is level with the ground surface, as shown in Fig. 11. When installing the product on sandy soil, the overall dimensions of the foundation should be increased by 15 – 20 %.



Pic. 11

5. PRODUCT INSTALLATION SCHEME

The safety zone of the installed product is shown in the Appendix №1.

6. 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 car/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 you need to store the product for a long period of time, you must observe the following storage rules (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 save the design and features of the product during storage.

Observe the following recommendations when removing the product from storage and preparing for installation:

- remove the product from the packaging material (polyethylene, cardboard, other packaging materials);
- remove dust and other contaminants from the surface of the product;
- check that the parts are complete and not damaged.

Information about storage

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

After the end of the equipment's service life, the buyer determines the procedure for its usage by himself. If you decide to recycle the equipment, please contact the seller or specialised organisations.

The equipment does not contain any harmful impurities or materials that can harm your health and is does not need special recycling.

7. 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.

8. 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.

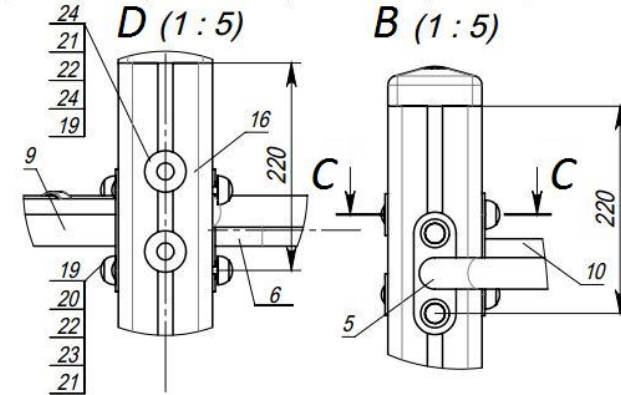
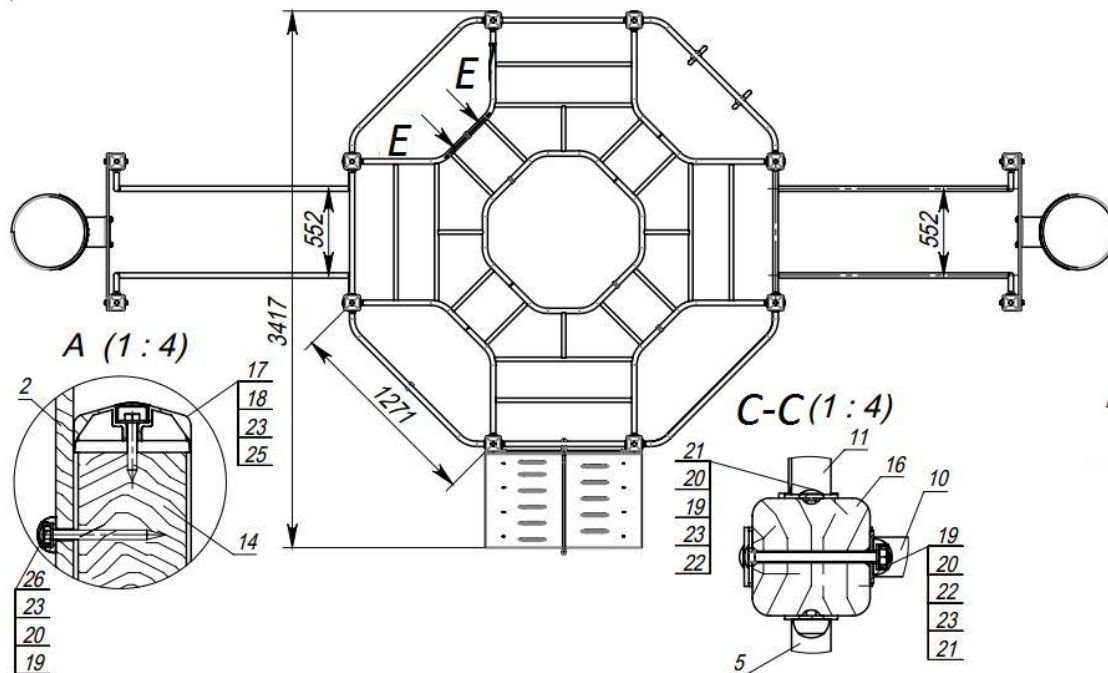
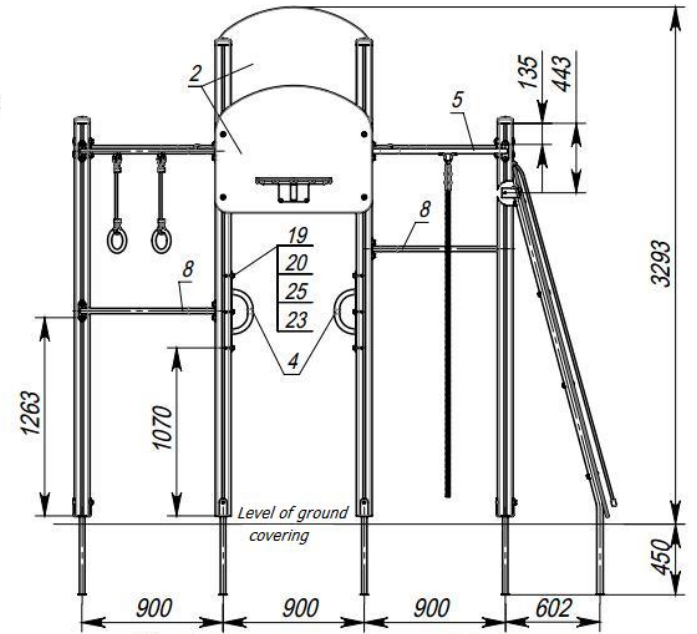
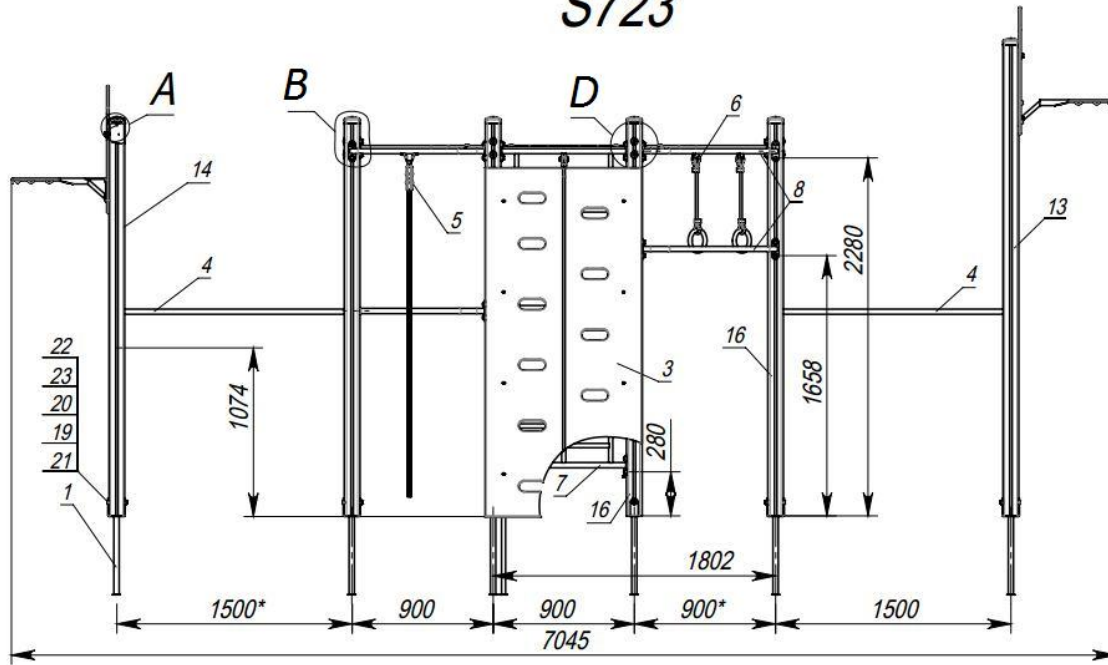
Every three months, a scheduled inspection should be carried out, which primarily concerns the foundation part, load-bearing elements and connection nodes of elements (their integrity and degree of deterioration).

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.

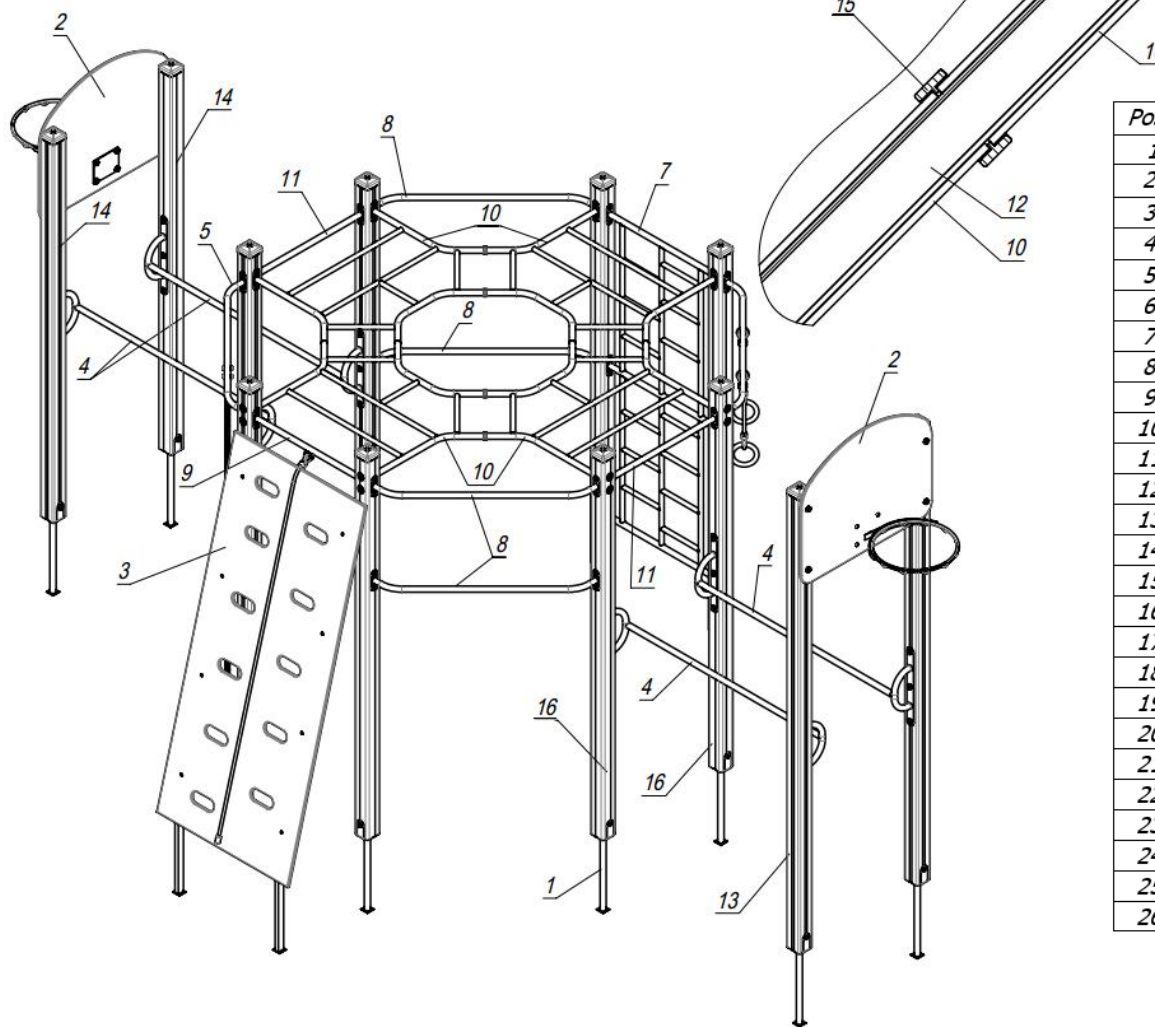
S723



Drill holes with a diameter of 5 mm at site for the screws used to fasten the complex elements

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E-E (1:2)



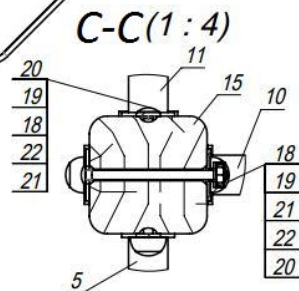
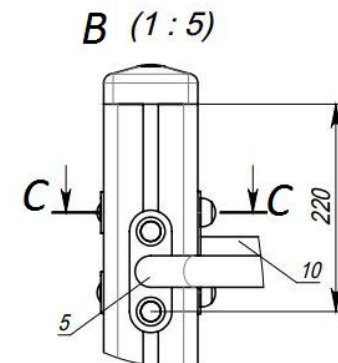
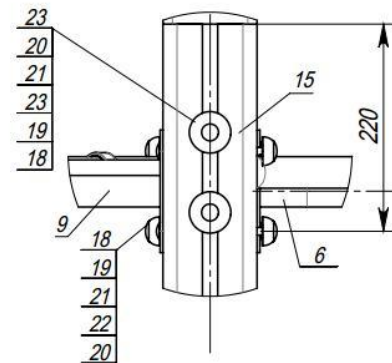
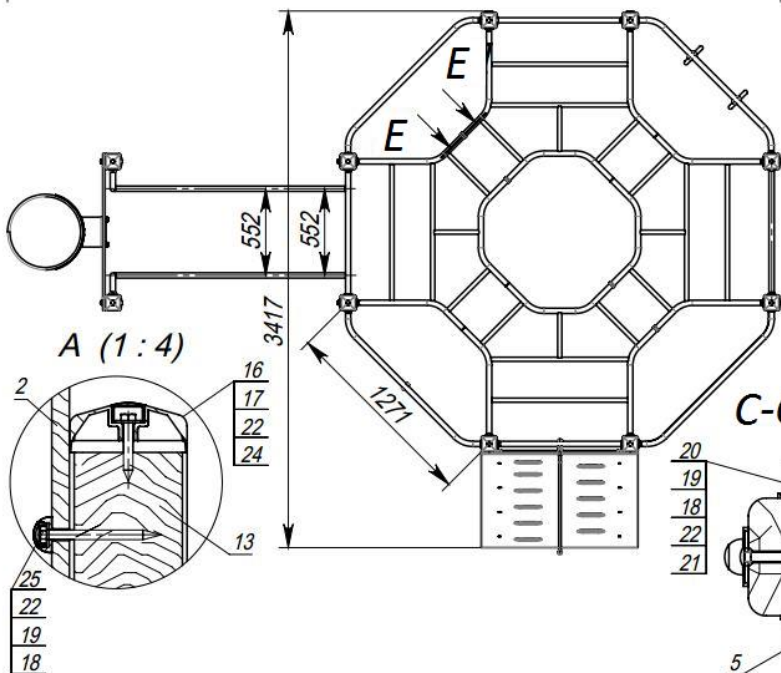
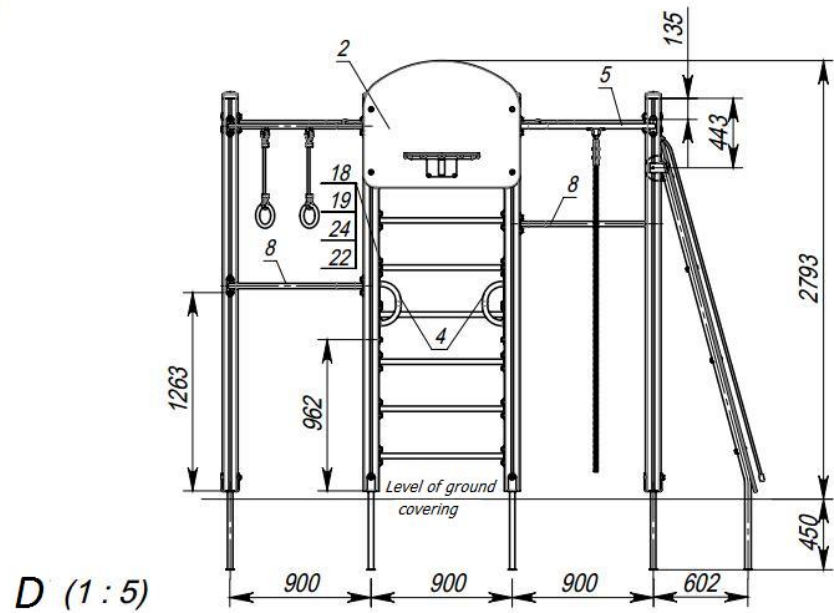
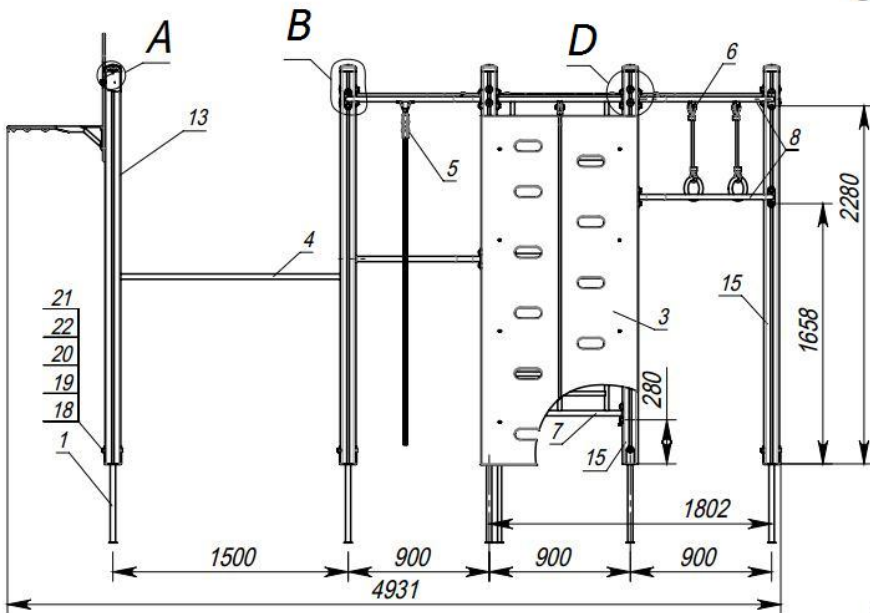
Pos.	Name	Weight, kg	Q-ty
1	Beam support	2	12
2	Basketball shield	16	2
3	Inclined ascent	39	1
4	Beam 1.5m	6	4
5	Crossbar 1.2m with rope	4	1
6	Brace rod 1.2m assembly with rings	4	1
7	Ladder	20	1
8	Angled crossbar	3	4
9	Brace rod 0.8m assembly with rope		1
10	Monkey bar section	20	2
11	Brace rod	2	2
12	Tube DN20x2.5 L=250mm GOST3262		4
13	Beam 3.0 m	10	2
14	Beam 2.5 m	15	2
15	Bushing		4
16	Beam 2.5 m	14	8
17	Cap		12
18	Cap		12
19	Cap M8		94
20	Cup M8		94
21	Bolt M8x120 GOST7802		44
22	Nut M8 GOST5915		44
23	Washer 10 GOST11371		106
24	Washer 14 GOST6958		16
25	Screw 8x50 GOST11473		54
26	Screw 8x90 GOST11473		8

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Figure 1 is a schematic diagram of the layout of the experimental setup. It shows a 4x4 grid of square cells. The horizontal distance between the first and second columns is 1500, and between the second and third columns is 900. The total horizontal distance between the first and fourth columns is 2700. The vertical distance between the first and second rows is 900, and between the second and third rows is 566. The total vertical distance between the first and fourth rows is 1466. A central 2x2 grid of cells is highlighted with a larger 900x900 square around it. The distance between the first and second rows of this central grid is 900, and the distance between the first and second columns is 900. The distance between the first and second rows of the bottom two rows is 69, and the distance between the first and second columns is 765.

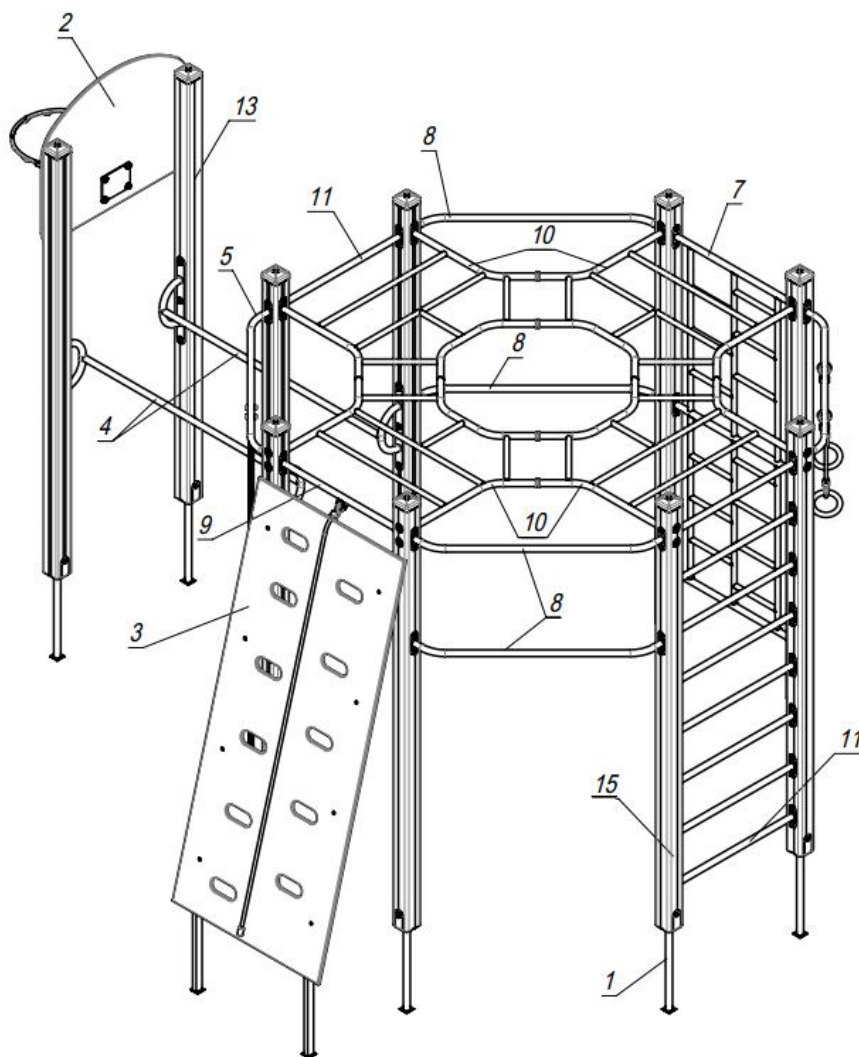
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Drill holes with a diameter of 5 mm at site for screws to fasten the elements of the complex

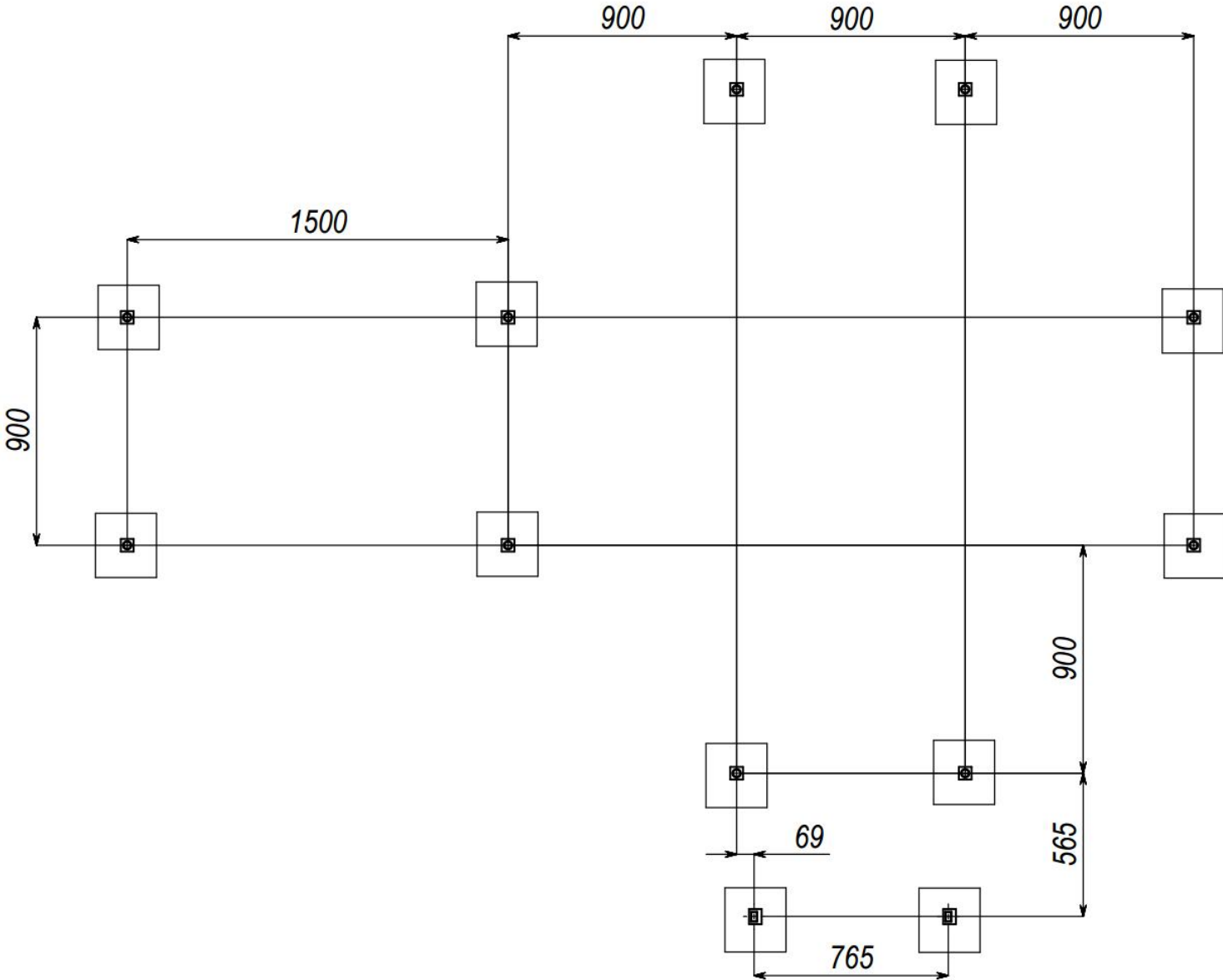
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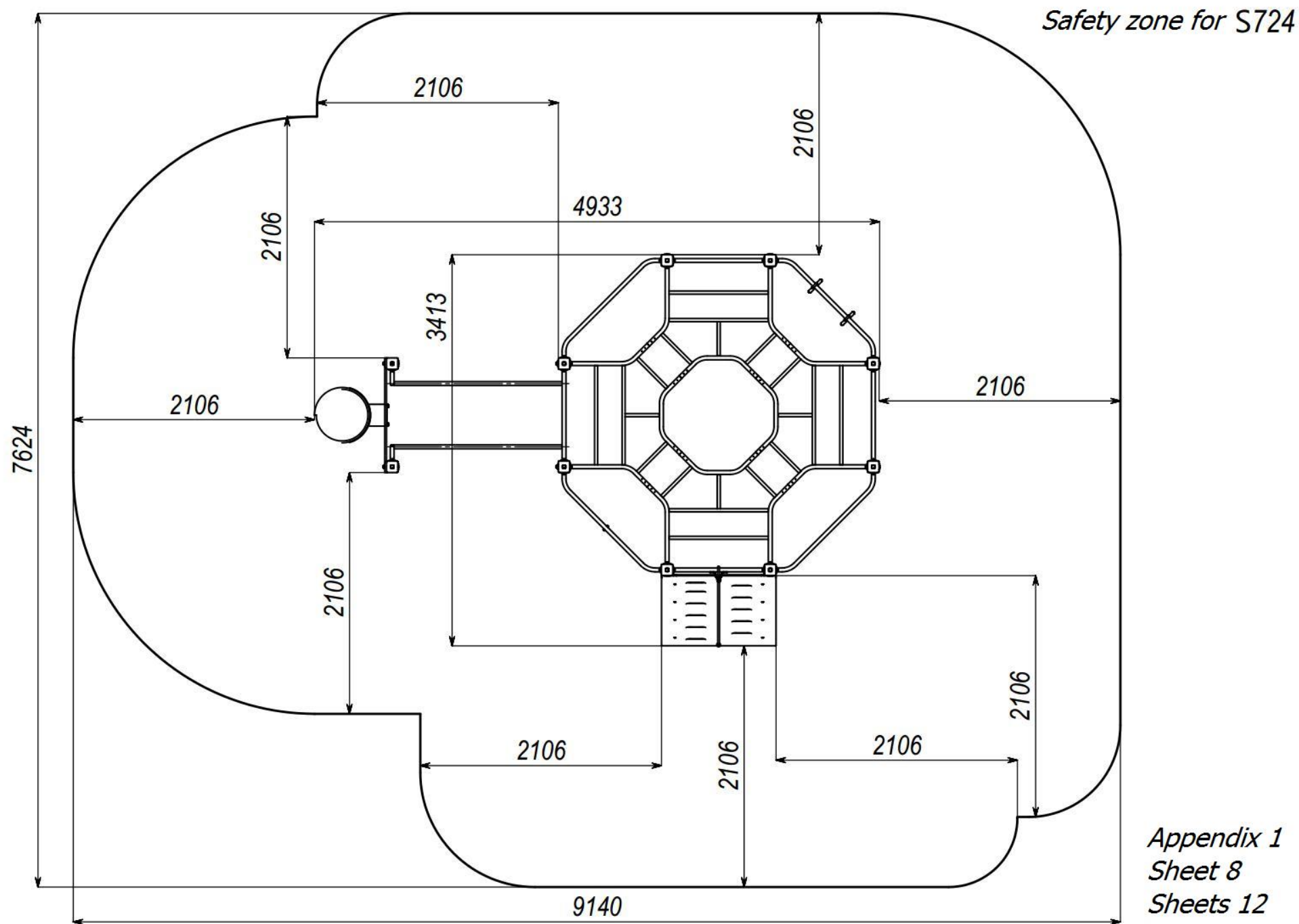
Pos.	Name	Weight, kg	Q-ty
1	Beam support	2	10
2	Basketball shield	16	1
3	Inclined ascent	39	1
4	Beam 1.5m	6	2
5	Crossbar 1.2m with rope	4	1
6	Brace rod 1.2m assembly with rings	4	1
7	Ladder	20	1
8	Angled crossbar	3	4
9	Brace rod 0.8m assembly with rope		1
10	Monkey bar section	20	2
11	Brace rod	2	9
12	Tube DN20x2.5 L=250mm GOST3262		4
13	Beam 2.5 m	15	2
14	Bushing		4
15	Beam 2.5 m	14	8
16	Cap		10
17	Cap		10
18	Cap M8		104
19	Cup M8		104
20	Bolt M8x120 GOST7802		42
21	Nut M8 GOST5915		42
22	Washer 10 GOST11371		114
23	Washer 14 GOST6958		16
24	Screw 8x50 GOST11473		68
25	Screw 8x90 GOST11473		4

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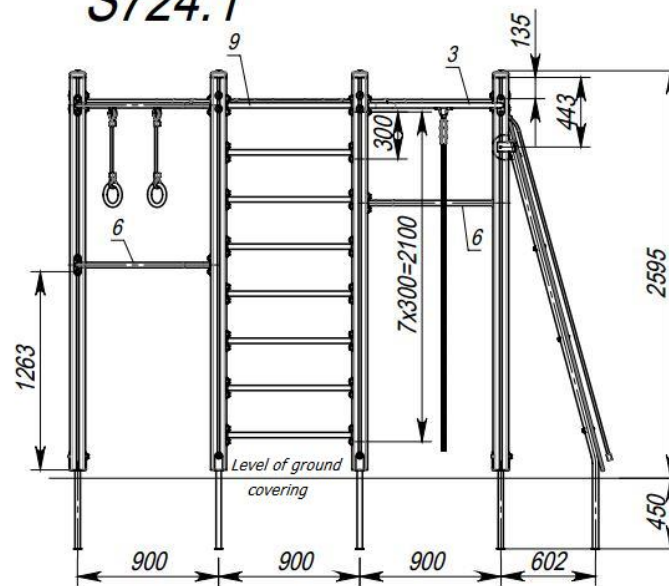
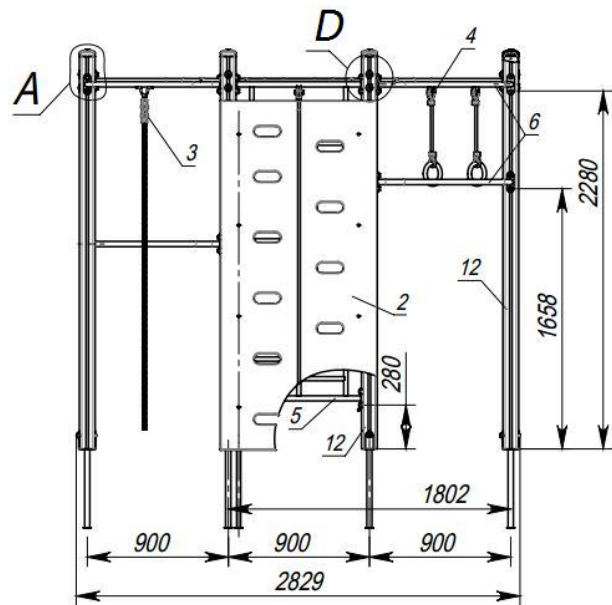
Layout of the complex foundations for S724



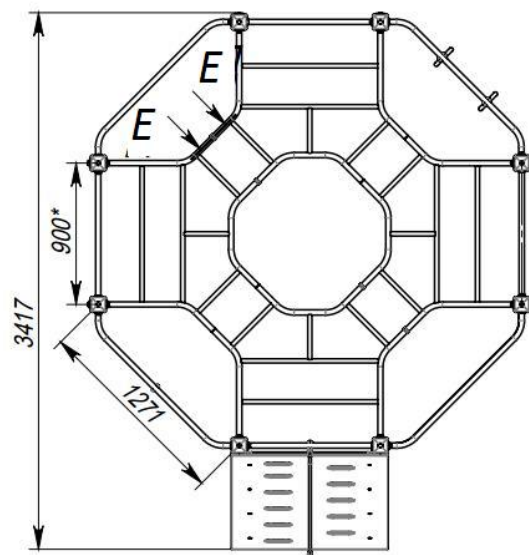
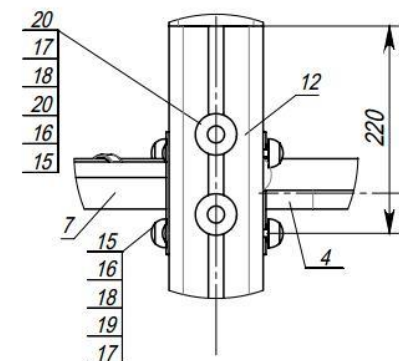
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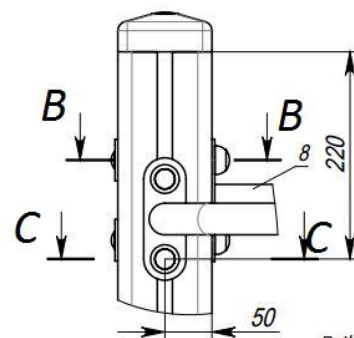
S724.1



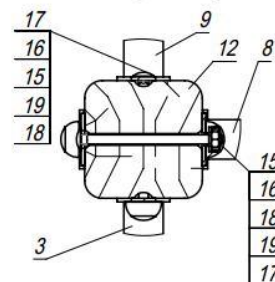
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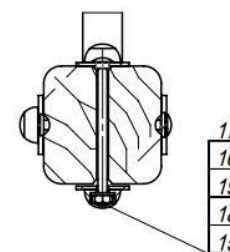
A (1:5)



B-B(1:4)

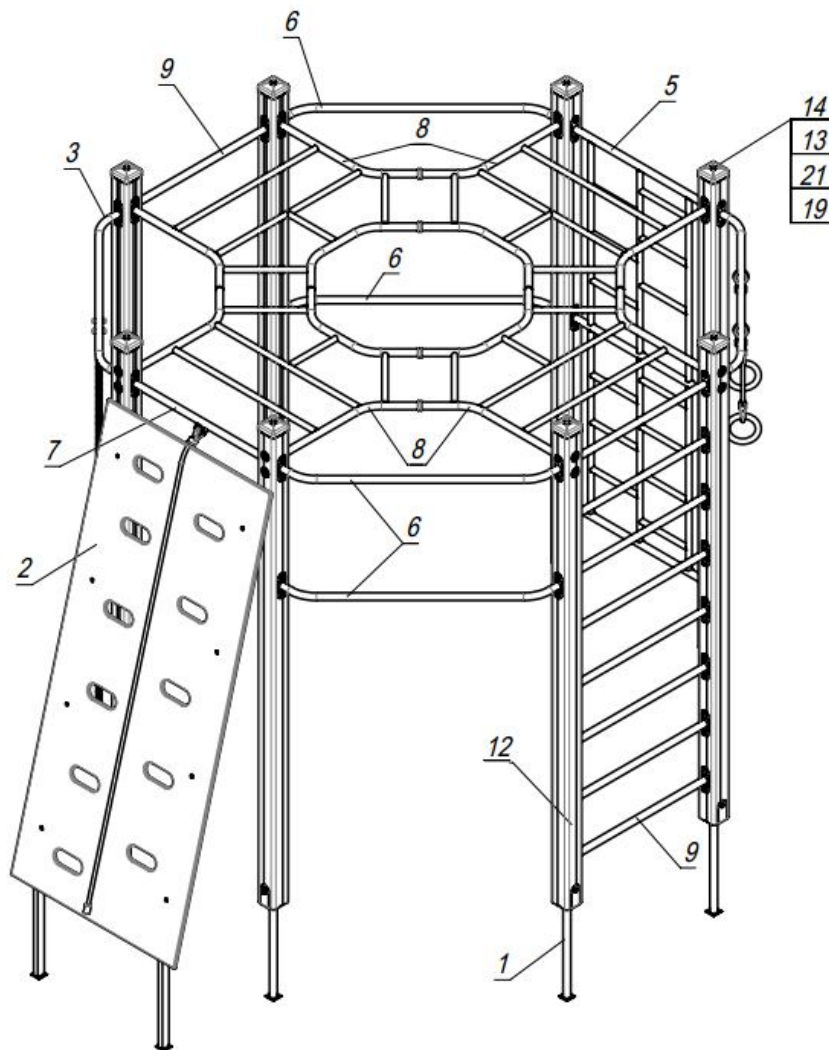


C-C(1:4)



Drill holes with a diameter of 5 mm at site for the screws used to fasten the elements of the complex.

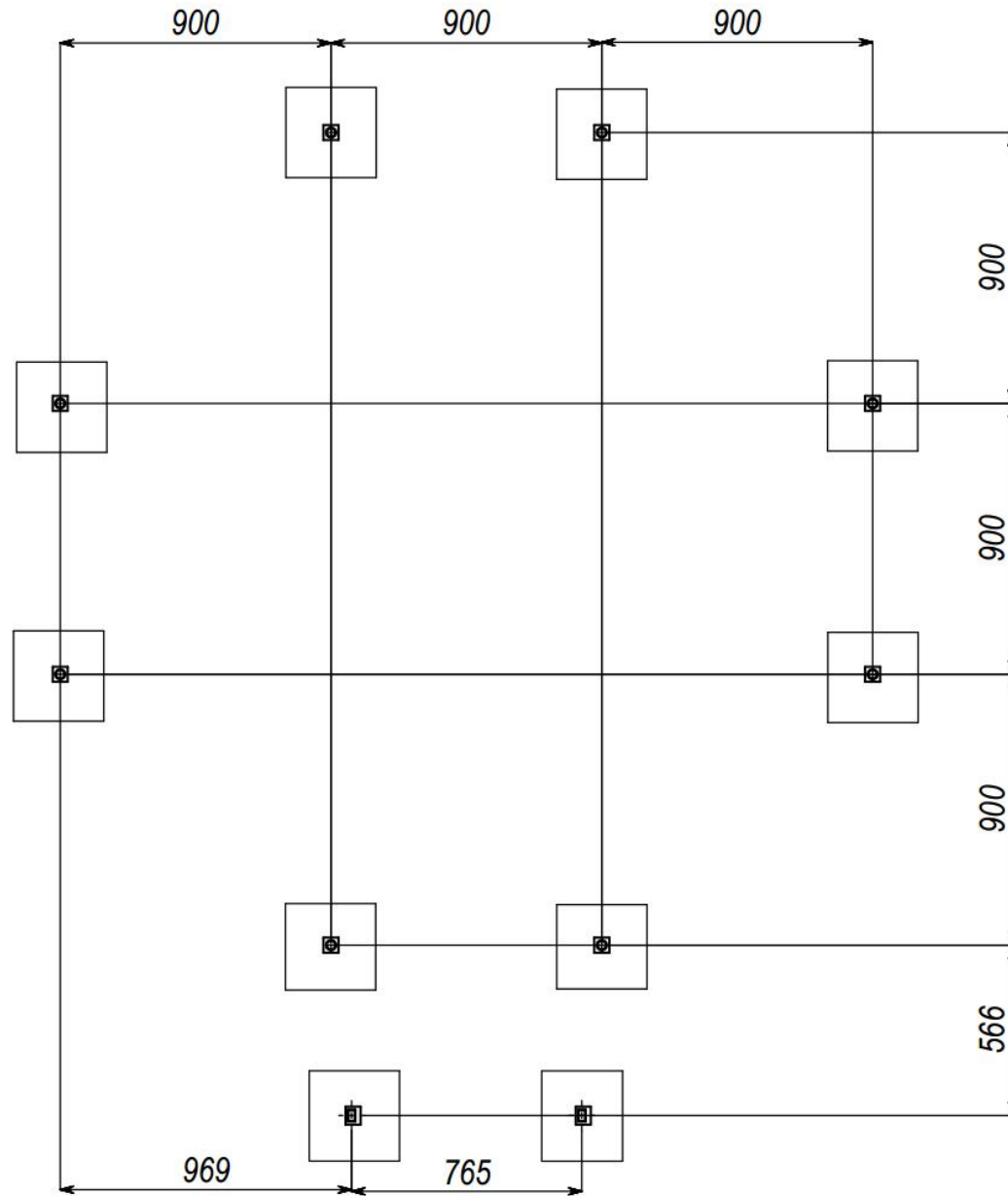
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Pos.	Name	Weight, kg	Q-ty
1	Beam support	2	8
2	Inclined ascent	39	1
3	Crossbar 1.2m with rope	4	1
4	Brace rod 1.2m assembly with rings	4	1
5	Ladder	20	1
6	Angled crossbar	3	4
7	Brace rod 0.8m assembly with rope		1
8	Monkey bar section	20	2
9	Brace rod	2	9
10	Tube DN20x2.5 L=250mm GOST3262		4
11	Bushing		4
12	Beam 2.5 m	14	8
13	Cap		8
14	Cap		8
15	Cap M8		86
16	Cup M8		86
17	Bolt M8x120 GOST7802		40
18	Nut M8 GOST5915		40
19	Washer 10 GOST11371		94
20	Washer 14 GOST6958		16
21	Screw 8x50 GOST11473		54

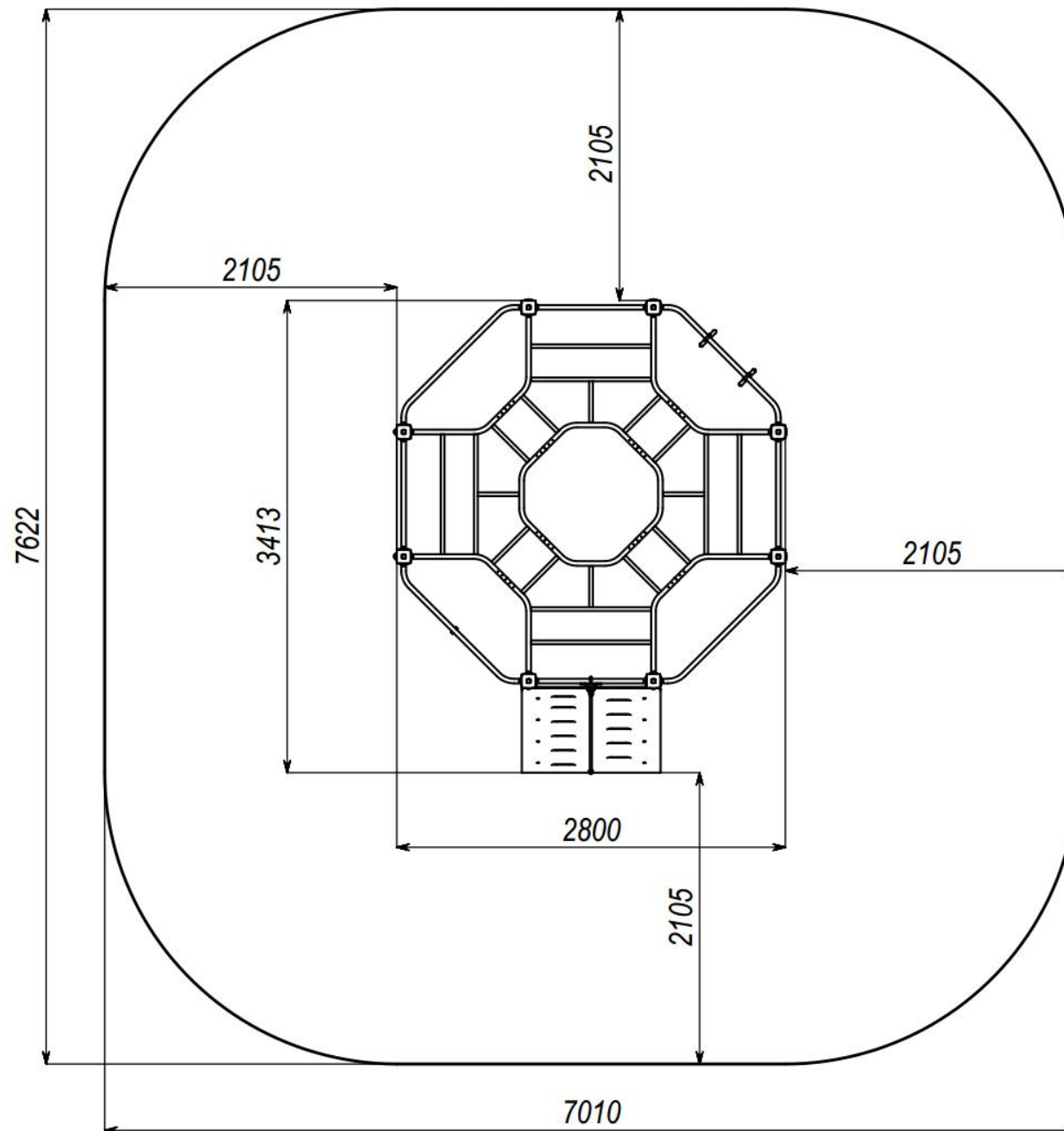
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Layout of the complex foundations for S724.1



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Safety zone for S724.1



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