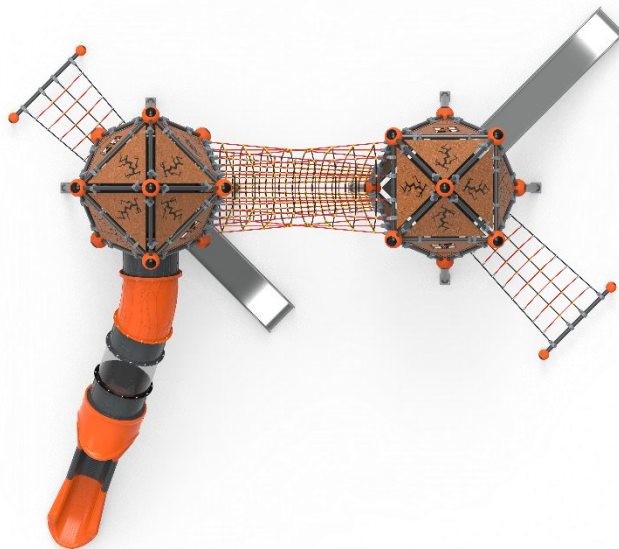
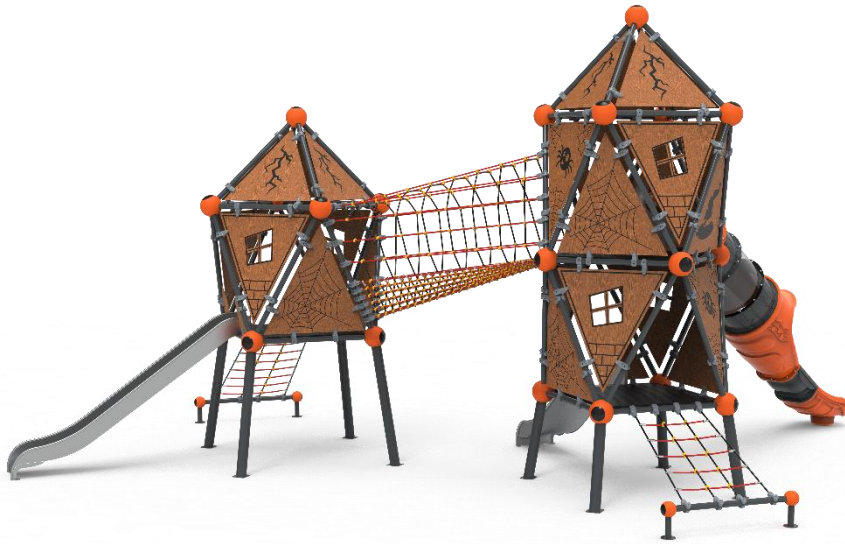
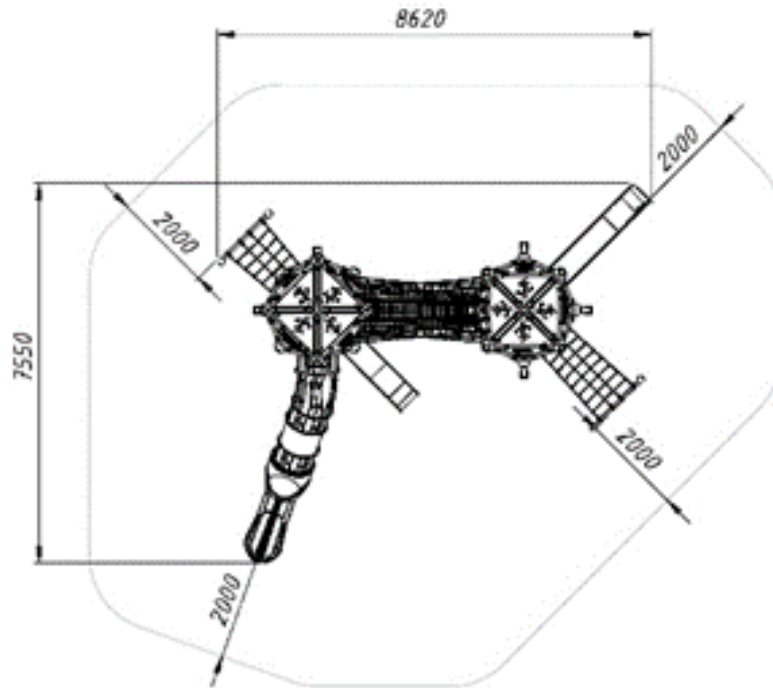
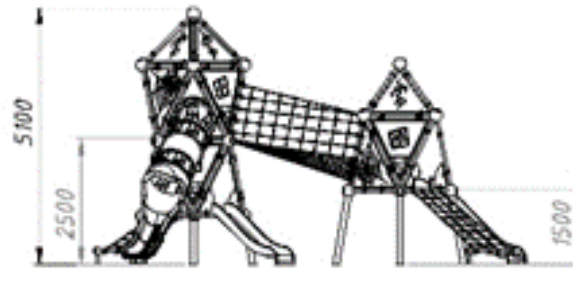


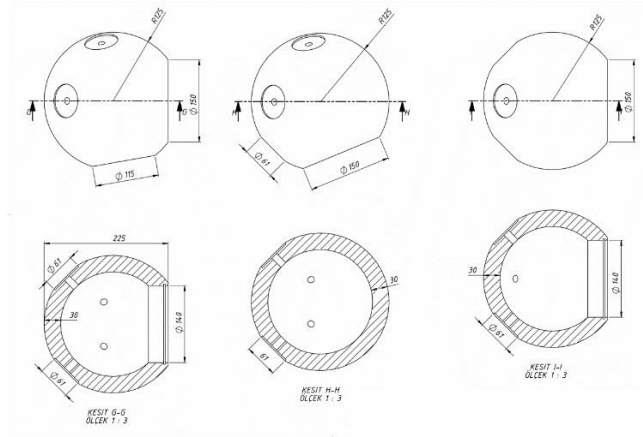
HNB 3303 TECHNICAL SPECIFICATION





The 'Honeyball' playset is 21 mm with a pattern that will attract the attention of children. It is a product group based on the climbing function, which plays a major role in the physical and mental development of children, produced with thick Plywood material. Children's playgroup will be manufactured in accordance with the material lists. Each of the tools that make up the set will be packed in such a way as to prevent wear during transportation. During the use of the products, there will be no surface details that can harm the human body, especially the parts that are in direct contact will consist of round lines and curves. Metal parts used in the playground will be painted with polyester-based powder paint after sandblasting. Spherical balls will be used in pipe connections.

SPHERE FASTENER:



The pipe fitting shall be produced in the form of a sphere, of one piece, in the dimensions given in the technical drawing, of aluminum casting material. The balls are placed at the connection points of the pipes. Dimensions have a tolerance of ± 10 .

4. CLAMPS

Guardrail clamps must be composed of POLYEMID based materials made by injection method. The dyestuffs used in their coloring must comply with the child food regulations. Beam connection material must be used with a diameter of 114 mm to connect 90 degrees to each other. These materials must be fastened with the hands-on clamps, galvanized bolts and nuts.

Carrier platform and railing clamps must be suitable for pipes of 114 mm diameter. All bolts and nuts used in the system must have a maximum of 3 mm. The firm logo and name must be placed on plastic clamps.

It must have a positive Turkish test report showing the PAH test result in accordance with the AfP SG S2014: 01 standard for polyitic clamps. The report must be obtained from the laboratory approved by the Turkish Accreditation Agency.

CHROME SLIDE

A sliding chrome slide will be made from 1 H:150 available in the system.
A sliding chrome slide will be made from 1 H:100 available in the system.

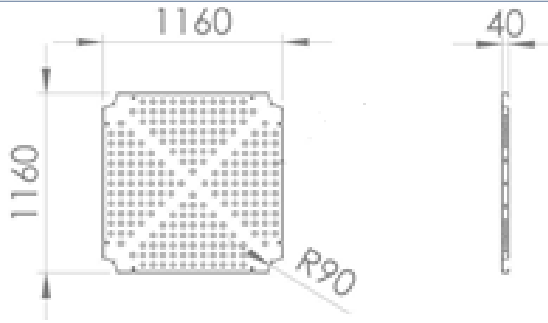
Product min. The parts cut and cut from 2mm 304 or 316 quality stainless steel material with cnc laser technology will be joined with argon welding technique. Slide inner diameter min. It should be designed with a diameter of 75 cm and each section should be joined with the forehead flange method. The joined flanges will be formed into a circle with Ø21 304 stainless pipe and welded to the flanges so that no sharp edges are left. There will be windows on the slides to illuminate the interior. The windows will be covered with specially cut micas. There will be no screw protrusions at the mica frames and joining points, keeping child safety in the foreground, on the inside of the chrome slides. Connection flanges shall be made of minimum 5mm sheet metal, with M8 bolts and fiber nut. According to the project, it will be possible to connect to the ground with support legs from places deemed appropriate. Entry details will be made according to the project. All details of the slide (exit ramp length, entrance details, slide inclination angle, etc.) should be designed according to TS EN 1 176-3 norm. All bolts and nuts used on the product should be hidden with plastic elements.



PLATFORM

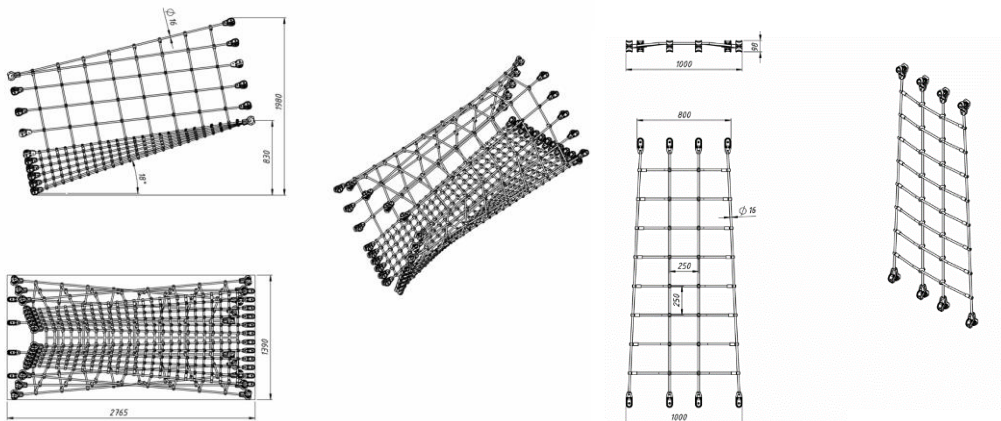
Platforms min. 20x30x2 mm. Platforms will be designed according to the specific dimensions of the platform, which will be formed by fastening the sheet with 2mm wall thickness with tight points on the carcass made of box profiles. The connection holes of the platform will be pre-drilled. The upper surface of this platform has a hardness of -60 ± 5 share a, density of 1 gr/cm³, minimum kgf/cm² breaking strength, 650-700% elongation at break and 100 m³ (max.) wear feature with antistatic material mixed hot-dip PVC. (plastisol) coating will be done. All the holes that should be on the platform are pre-drilled, max. It should be 8 mm and no action should be taken regarding the holes during assembly. In addition, the material should not be deformed by drilling the hole. PVC thickness will be at least 1mm at each point. Platforms will be fastened by means of galvanized bolts and nuts on special cut flanges present in the carrier construction (attached during production). Inside each tower, PVC (plastisol) coating will be made with the hot-dip method designed according to its own dimensions, with a tolerance of $10\% \pm$ dimensional.

SQUARE PLATFORM



Dimensions	116 cm x 116 cm x 4 cm
Metal Thickness	2 mm
Properties	PVC (Plastisol) covering (1 mm)

ROPE BRIDGE CROSSING AND ROPE CLIMBING LADDER



The bridge transition from tower to tower will be provided by a bridge knitted with 16 mm thick steel core rope. There are 7 turns of steel wire. It should be UV stabilized. It will not contain toxic substances in its content and paint. There will be a fiber-shaped Rope made of polypropylene material in the center of the rope. It should be UV stabilized. It will not contain toxic substances in its content and paint. The tower-to-tower transition bridge will be supported by steel frameworks. In order to fix the "+" points of the rope connection to each other, polyamide-based cross connection apparatus will be used. Specially designed rope joining apparatus will be used to attract the attention and interest of children. The surfaces of the apparatus will be completely radiused and will be designed in a way that will not harm any part of the children and will consist of two colors. The rope connecting apparatus should be tightened with Galvanized 5 metric bolts and nuts from four different points. Min. 3 rope screws should be thrown and fixed. Ropes \varnothing 16 mm. polyester rope steel thickness should be concise. There are 7 windings of steel wire. The breaking load of the rope is minimal. 5500 kg. should be. Ultraviolet light should be stabilized.

It should be used at points where two ropes with a diameter of 16 mm cut each other, and one of the ropes ends and the other does not end. It will not contain toxic substances in the content and paint.

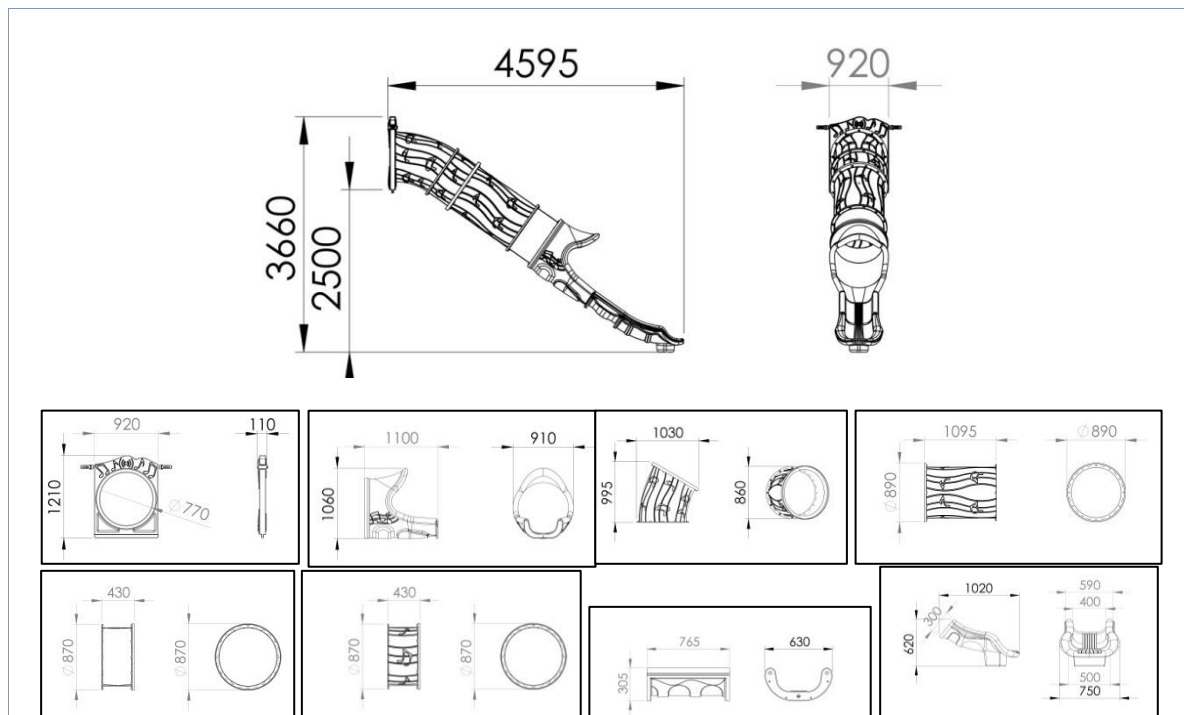


PLYWOOD

Plywood; It is produced as sheets by pressing under high temperature and pressure by cross-gluing the fiber directions of the papels obtained by peeling the trees. The reason for the widespread use of plywood is its high strength, no shrinkage and swelling, high mechanical properties, ability to hold nails and screws, easy workability and decorativeness. 21 mm .



H: 250 CM PIECE TRANSPARENT TUBE SLIDE



The tube slide will consist of 1 35 degree tube, 1 107 cm tube, 1 40 cm tube, 1 40 cm transparent tube and 1 tube slide exit. The slide output will consist of three parts. Tube slide materials should be produced in accordance with the technical drawing dimensions, self-patterned and in accordance with TS EN 71-3 standard. It should be double-walled, self-coloured. The dyestuffs used in coloring will be suitable for child health and food regulations. The purpose of the transparent tube slide with (POLYCARBONATE) feature used in high tower Tunnel slides is to make the playgrounds more reliable and the user or parent can see inside and outside while sliding from the slide. During the use of the products, there will be no surface details that can harm the human body, especially the parts that are in direct contact will consist of round lines and curves.

Each of the tools that make up the set will be packed in such a way as to prevent wear during transportation. The raw material to be used in its production is Low Density Linear Polyethylene (LLDPE-Linear Low Density Polyethylene). When measuring perpendicular to the sliding surface, the inner height and inner width of the closed sections of the tube slides are min. It should be 750 mm in diameter. The slide will be fixed to the floor from the exit section with galvanized bolts and dowels. Tube slide parts will be connected to each other with galvanized bolts to ensure the integrity of the tube slide. The bolt will be hidden with 8 metric bolt concealment so that it does not spoil the image and has a long life. To ensure child safety, tunnel slides should be fixed to the ground using support pipes.

3. POLYETHYLENE PRODUCTS

The raw material to be used in the production of slides, stairs, railings, barriers, roofs, accessories etc. is **Low Density Linear Polyethylene (LLDPE-Linear Low Density Polyethylene)**. Masterbath paints used in polyethylene raw materials must not contain zinc. Light sensitivity must be between 7 and 8 value. The colors of the material must not fade before 2 years. The thickness of the product must be minimum 5-6 mm at the points where the material is subjected to pressure and friction. The thickness of the product must be minimum 3-4 mm in the products of barrier and shade products not exposed to pressure.

According to EN 71-2 + A1: 2014-04 standards, polyethylene products must have positive Turkish test report. This document must be included in the tender dossiers. The report must be obtained from the laboratory approved by the Turkish Accreditation Agency.

Polyethylene products must have a positive test of Turkish tests indicating that they do not contain any harmful substances to children's health according to EN

71-3: 2013 + A1: 2014-12 standards. The report must be obtained from the laboratory approved by the Turkish Accreditation Agency.

2. ELECTROSTATIC PAINT

The finished metal part must be kept in oil at 70 °C with 5% concentration for 10 minutes and rinsed. **SCREWING PROCESS** must be applied to the metals washed with special alloy detergent with phosphate coating feature. Polyester-based powder coating must be applied for 20 minutes at 200 °C.

The electrostatic powder paint applied metal products must have a positive test report of 1440 hours showing that they are resistant to corrosion in open weather conditions in accordance with EN ISO 9227 and EN ISO 12944-6 standards. In addition, EN ISO 6244-6 standards must be 720 hours of EN ISO 6270-1 positive test report. The report must be obtained from the laboratory approved by the Turkish Accreditation Agency.