

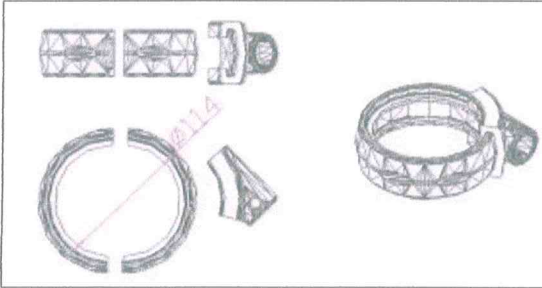
IP-100 - GAME GROUP TECHNICAL SPECIFICATION

CARRIER CONSTRUCTION

it will be formed from SDM pipe with a diameter of 114 mm and a wall thickness of 2.5mm. horizontal and vertical pipes with a length of 2500 mm and greater will be connected by welding with a special insertion system in such a way that they form right angles to each other. The upper parts of these pipes will be closed with plastic plugs fixed with at least two hemispherical aluminum rivets shaped by injection method in order to prevent water, moisture and foreign substances from entering them. Vertical and horizontal pipes with a diameter of 114 mm will be connected in such a way that they form a right angle to each other. The lower parts of the pipes forming the carrier construction will be joined by welding method with a sheet flange with a minimum size of 150x150x5mm. The pipes will be subjected to sandblasting Process.

ELECTROSTATIC PAINT

All metal parts whose production has been completed should be rinsed by leaving them in a degreasing bath with a 5% concentration at 70 °c for 10 minutes. After rinsing, metals washed with special alloy detergent hulasa with phosphate coating property should be subjected to SANDBLASTING process, then polyester-based static powder coating coating process should be performed and baked in 200 °C oven for 20 minutes.



FASTENERS

The carrier clamps can be made based on fiber polyemide (nylon 66) made by injection method or by connecting the platform directly to the carrier system. All fasteners must be disassembled and detachable.

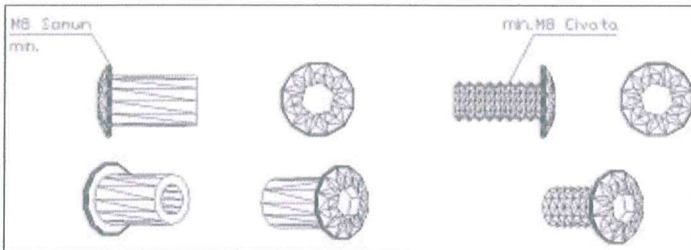
Barrier clamps should be polyemide based, made by injection method.

Beam Connections on the side; should be polyemide based, made by injection method. Connection diameters min. 32 mm.

It should be suitable for diameter pipes.

A. All the nuts, bolts and washers used in the clamps are min.It should be according to the M8 nut and M8 bolt layout.

BOLTS, NUTS AND WASHERS



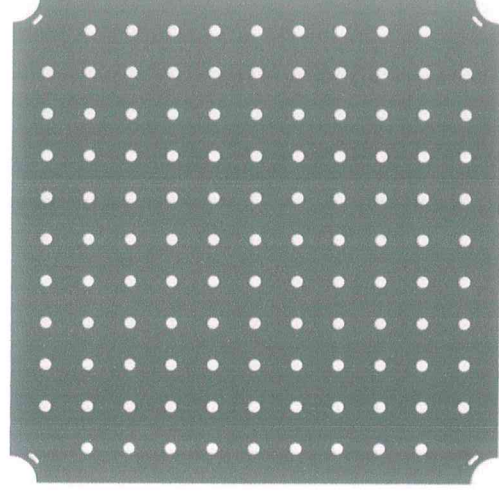
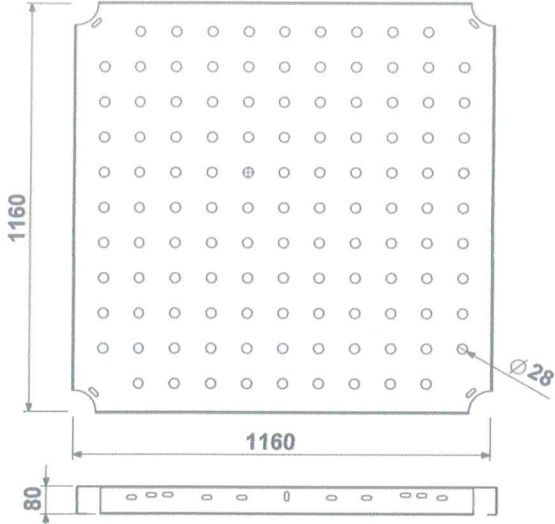
Such bolts, washers and nuts used in the system must be dachromate coated. And certainly there should be no sharp corner protrusions more than max 3mm.

All nuts should be fiberglass. In this way, the problem of loosening and falling of the nuts due

to vibration will be eliminated.

Contact electro galvanized bolts should only be used in places that are closed with plastic lids. Exposed all bolts and nuts in the places should be dachromate coated.

116X116 SQUARE PLATFORM

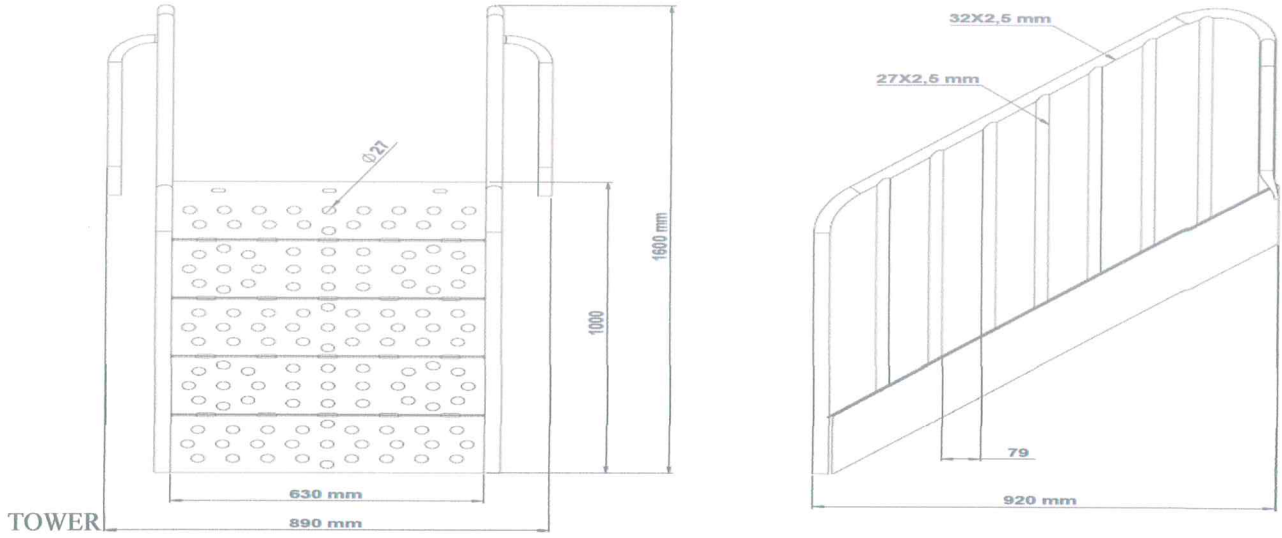


- ❖ Minimum of 20x40x1.5 mm on the carcass made of box profiles, the dimensions of the platform, which will be formed by attaching a 2 mm wall thickness sheet metal with frequent points, will be 116x116 cm. The connection holes of the platform will be pre-opened. The number of supports placed under the platform is 6 pieces and the platform dimensions will be 8 cm.
- ❖ The upper surface of this platform will be coated with PVC (Plastisol) with -60 \pm 5 share A hardness, 1 gr/cm³ density, at least kg/cm² breaking strength, 650-700% break elongation and 100 m³ (max) abrasion property by anti static material mixed HOT DIP METHOD. The PVC thickness will be at least 1 mm at each point.
- ❖ These platforms will be connected by clamping by means of galvanized bolts and nuts on special cut ears existing in the carrier construction (attached at the manufacturing stage).



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H: 100 CM LADDER AND RAILING FROM THE GROUND TO THE

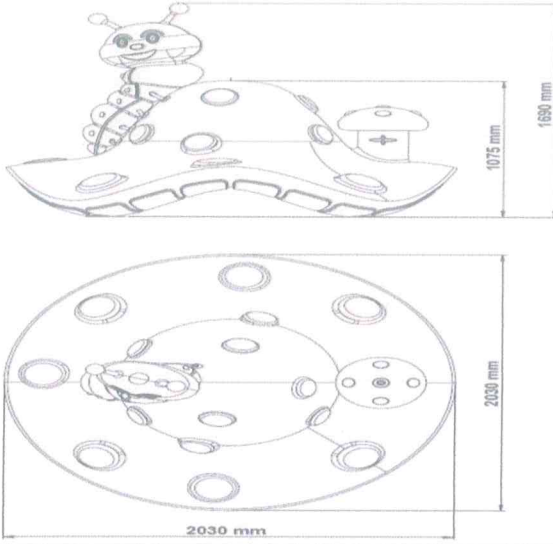


- ❖ The Access Stairs will be manufactured in one piece from dkp sheet with a wall thickness of 2 mm so that they can reach a height difference of 100 CM from the tower to the platform.
- ❖ The step height of the stairs will be 13 cm, 20 cm. Stair railing 70 cm, 85 cm height 2 pieces will be manufactured for each stair group.
- ❖ The stair treads will be coated with PVC (Plastisol) BY HOT DIPPING METHOD with mixed antistatic material mixed with -60±5 shore A hardness, 1 gr/cm³ density, at least kg/cm² breaking strength, 650-700% break elongation and 100 m³ (max) wear property. The PVC thickness will be at least 1 mm at each point.
- ❖ The edges of the ladder railing will be made of a minimum of 32x2.5 mm pipe, the railings will be made of a minimum of 27x2.5 mm pipe. The maximum Decoupling between the bars on the stair railing will be 85 mm.
- ❖ The stair railings will be painted with polyester-based electro-static powder coating after sandblasting.



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MUSHROOM ROOF



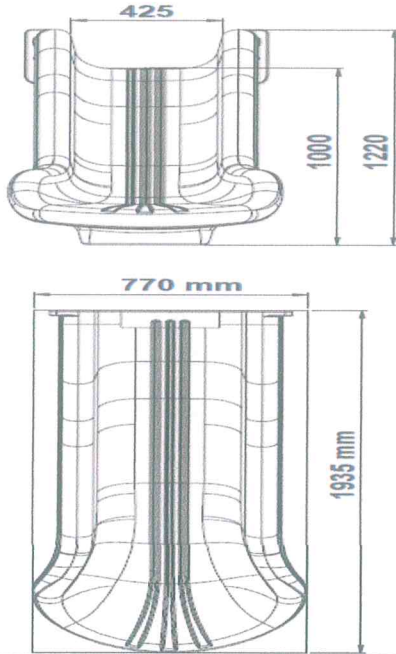
The Rear Mushroom Roof has a diameter of 203 cm. It will be manufactured in the form of a minimum height of 169 cm and will consist of 3 parts with caterpillar and mushroom hats on it.

The plug must be connected directly to the Ø114 pipes forming the carrier pipes of the system at the place where the cork roof is connected. A separate fastener should not be used Decoupled from time to time.

Top Mushroom roof; It will be manufactured by rotation technology from powdered self-colored LLDPE raw material. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.

Weight Min.45 KG.

H:100 FLAT SLIDE



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- ❖ The 100 cm. on FLAT slides connected to the platform at its height; the angle of inclination of the sliding section with the bed will be manufactured as a double-walled and single piece, so that the maximum 40° is measured according to the height axis of the slide.
- ❖ The height of the side parts of the entrance section of the flat slide will be at least 20 cm. The width of the sliding section of the Flat Slide will be at least 40 cm.
- ❖ The width of the exit section of the straight slide shall be at least 75 cm and the exit radius shall be at least 50 mm.
- ❖ The exit section of the slide will be concreted by embedding into the ground with an anchor.
- ❖ The Roller Slides will be manufactured with rotation technology from powdered self-colored LLDPE raw materials. The dyestuffs used in coloring will be in accordance with the children's health and

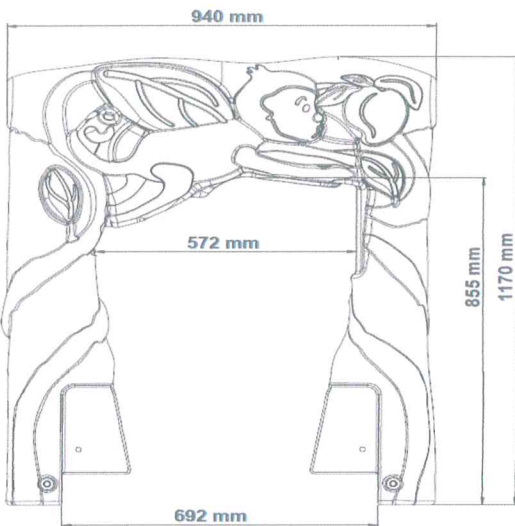
food regulations.

- ❖ TS EN 1176-3 / 04.02.2010 It is obligatory to have the expression 'FLAT SLIDE' within the Scope of the Document.
- ❖ · weight min.25 KG



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STRAIGHT SLIDE ENTRANCE WITH FIGURE



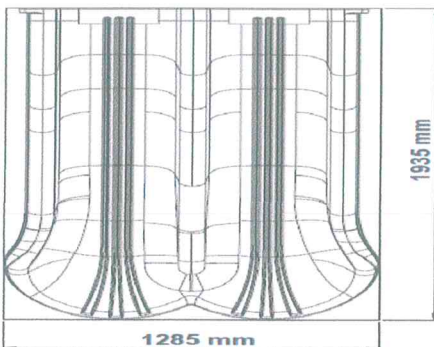
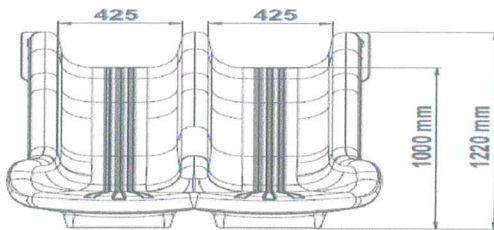
- ❖ The Flat slide entrance with a Side Figure will be manufactured with a double wall made of polyethylene, designed in one piece on the top and both sides in order to ensure the safe passage of children to the slide.
- ❖ The entrance of the Flat slide with a Side Figure measures 94x117 cm, the entrance part is min. it will be designed and manufactured with a width of 57 cm.
- ❖ It will be fixed to the main construction with the help of a 100 cm galvanized pipe and clamp system with a diameter of Ø27 mm and a wall thickness of 2 mm from the upper side of the entrance to the flat slide with the help of screws from the lower side to the platform. Ø27x2 mm galvanized pipe will be passed through the polyethylene entrances as a whole. pipes shorter than 100 cm will not be used.

- ❖ Polyamide-based self-colored plastic clamps shaped by injection method, through which galvanized pipe with a diameter of Ø27 mm can pass, will be used at the junction points with the slide entrance of the auxiliary pipes.
- ❖ weight min.9 KG



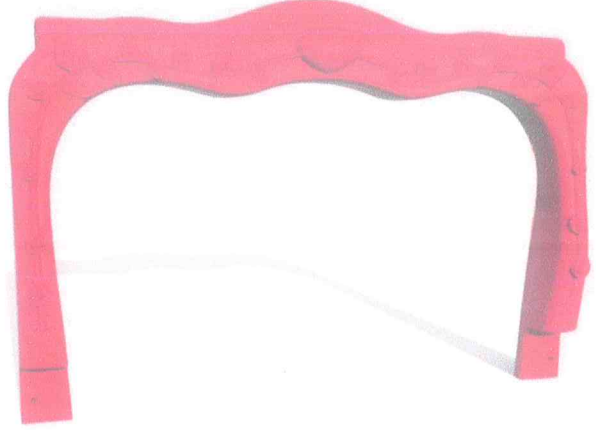
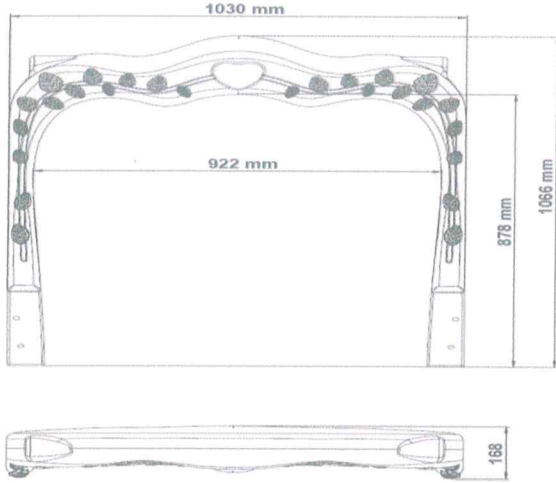
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H::100 FLAT DOUBLE SLIDES



- ❖ For double Flat slides connected to a 100 cm high platform, the slope angle of the sliding section with the bed will be manufactured as a double-walled and single piece, so that the maximum 40° is measured according to the height axis of the slide.
- ❖ The height of the side parts of the entrance section of the Double straight slide shall be at least 20 cm. The width of the sliding section of the double flat slide will be at least 40 cm.
- ❖ The exit section of the slide will be at least 128 cm and will be buried in the ground with an anchor and concreted.
- ❖ The Roller Slides will be manufactured with rotation technology from powdered self-colored LLDPE raw materials. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.

DOUBLE FLAT SLIDE ENTRANCE

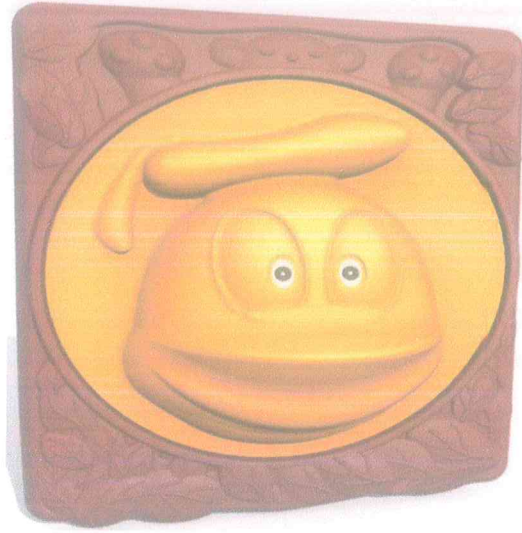
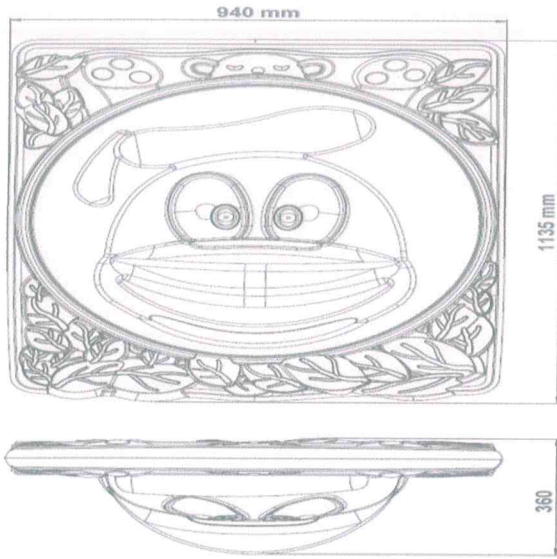


- ❖ The entrance to the Flat slide with Double sides will be manufactured with double walls made of polyethylene, designed in one piece on the top and both sides in order to ensure the safe passage of children to the slide.
- ❖ Double Double Flat slide entrance has dimensions of 103x106 cm, The entrance part is min. it will be designed and manufactured with a width of 92 cm.
- ❖ The ladder will be fixed to the main construction with the help of a 100 cm galvanized pipe and clamp system with a diameter of Ø27 mm and a wall thickness of 2 mm from the upper side of the double Flat slide entrance, and to the platform with the help of a screw from the lower side. Ø27x2 mm galvanized pipe will be passed through the polyethylene entrances as a whole. pipes shorter than 100 cm will not be used.
- ❖ Polyamide-based self-colored plastic clamps shaped by injection method, through which galvanized pipe with a diameter of Ø27 mm can pass, will be used at the junction points with the slide entrance of the auxiliary pipes.
- ❖ weight min.6 KG



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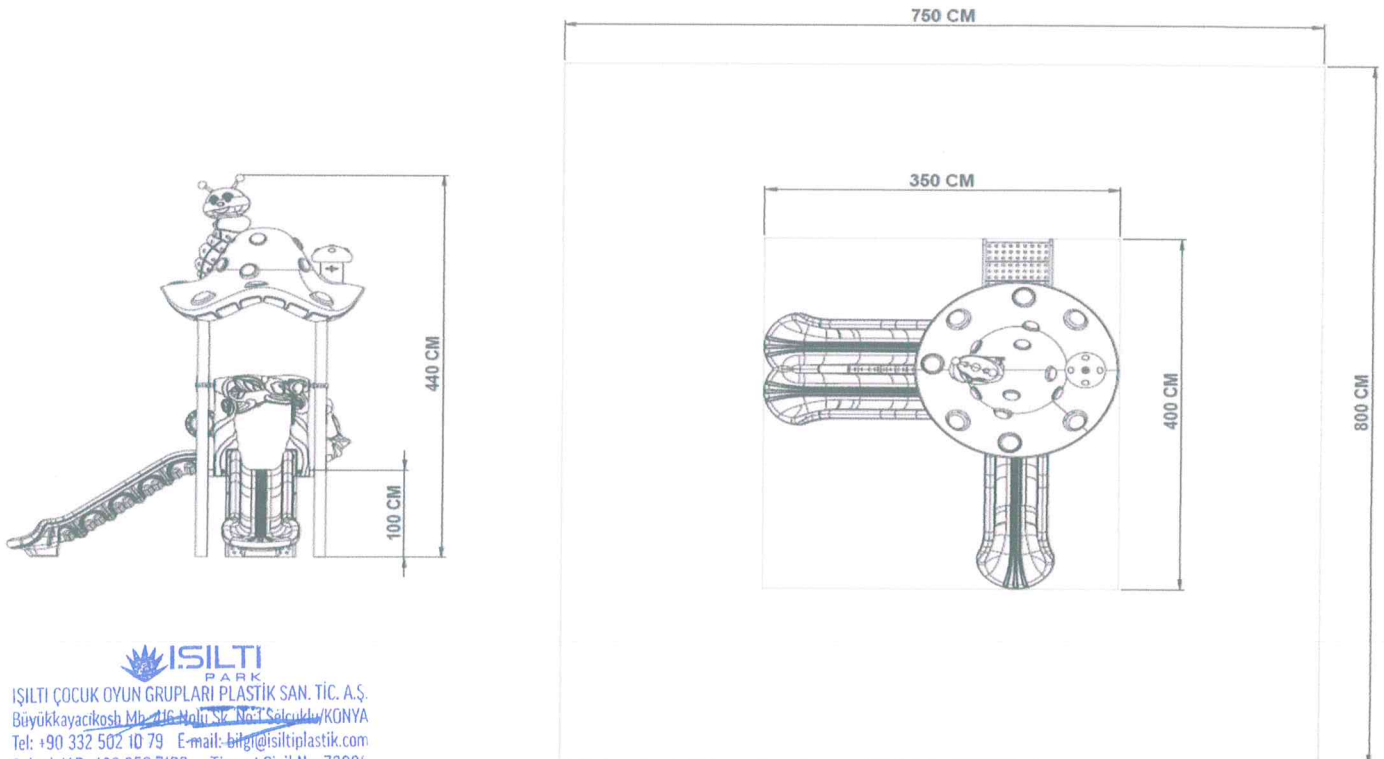
PLATFORM BOARD WITH DUCK FIGURE



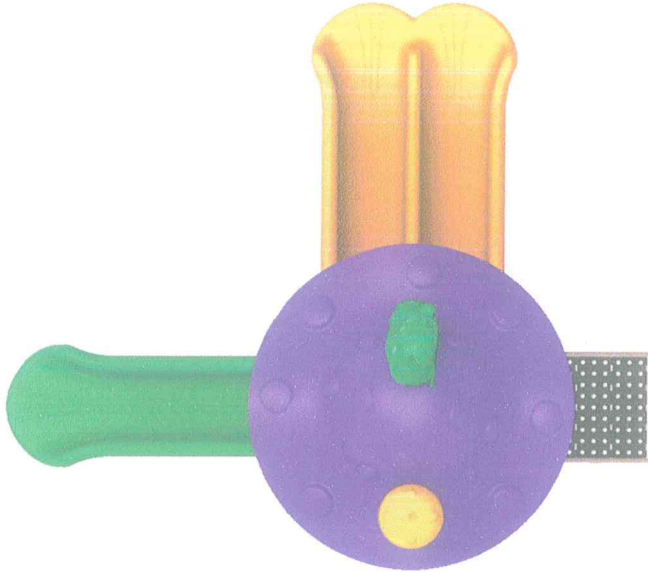
- ❖ The panels with a duck figure will be manufactured with rotation technology with double walls made of powdered self-colored LLDPE raw materials. The dyestuffs used in coloring will be in accordance with the children's health and food regulations.
- ❖ The panels with the secondary Duck figure are designed with dimensions of at least 94x113 cm, manufactured as 2 pieces so that the outer body and the panel consist of an inner figure, and the inner figure of the panel will be mounted on the outer body.
- ❖ The panels with an Initial Duck Figure will be fixed to the main construction with the help of a 100 cm galvanized pipe and clamp system with a diameter of $\varnothing 27$ mm and a wall thickness of 2 mm on the upper side, and to the platform with the help of a screw on the lower side. $\varnothing 27 \times 2$ mm galvanized pipe will be passed through the polyethylene panels as a whole. pipes shorter than 100 cm will not be used.
- ❖ Polyamide-based self-colored plastic clamps shaped by injection method will be used at the junction points of the connecting pipes with the panel, through which the pipe with a diameter of $\varnothing 27$ mm can pass.
- ❖ weight min. 11 KG.

IP-100

PLAYGROUP PARKING INSTALLATION AREA AND TOWER HEIGHTS



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