

MULTIFUNCTIONAL OUTDOOR PLAYGROUND EQUIPMENT

1. GENEL TANIM

The playground equipment shall be designed for children aged 3–7 years and intended for outdoor use. The system shall be a multifunctional playground structure consisting of towers, platforms, slides, access elements, and decorative components.

The scope shall include manufacturing, supply, transportation, installation, and commissioning, including concrete foundations.

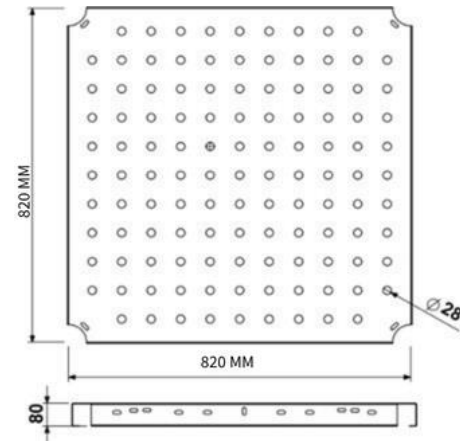
The playground shall include a minimum of three (3) slides and comply fully with EN 1176 standards (all applicable parts).

2. STRUCTURAL FRAME (MAIN SUPPORT SYSTEM)

- Main support posts shall be made of **galvanized steel pipes**
- Minimum diameter: **Ø89 mm**
- Minimum wall thickness: **2 mm**
- Posts shall be equipped with **polyethylene caps**
- All metal components shall be **corrosion-resistant**
- Minimum expected service life: **10 years (Excluding vandalism and provided annual maintenance is carried out.)**

3. PLATFORMS

- Platform structure shall be made of **galvanized steel frame**
- Minimum dimensions: **820 x 820 mm**
- Platform surface:
 - Made of **LLDPE**, minimum **15 mm thickness**
 - Anti-slip surface
 - Equipped with **water drainage perforations**
- Platform heights: **850 mm – 1200 mm**
- Equipped with **safety guardrails in accordance with EN 1176**



4. SLIDES (GENERAL REQUIREMENTS)

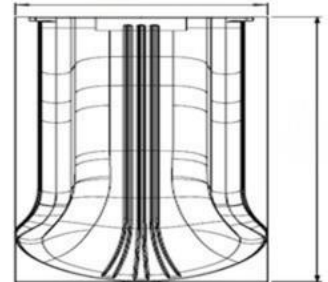
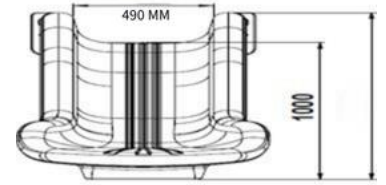
All slides shall:

- Be manufactured from **rotomolded LLDPE (monoblock construction)**
- Minimum wall thickness: **6 mm**
- UV stabilized
- Free from sharp edges and hazardous joints

- Fixed using **stainless steel or galvanized fasteners**
- Resistant to temperatures between **-30°C and +50°C**

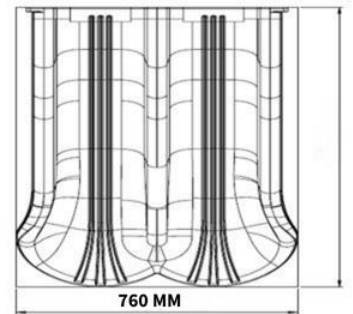
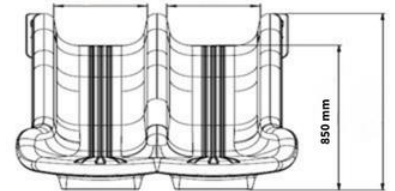
4.1. Straight Slide (Single User)

- Designed for **one child**
- Minimum usable width: **490 mm**
- Side edge height: minimum **150 mm**
- Platform height: minimum **1000 mm**
- Sliding angle shall comply with **EN 1176-3**



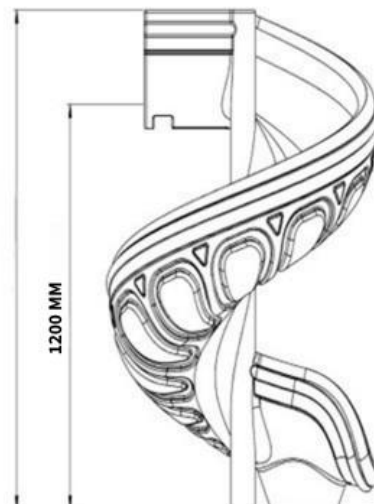
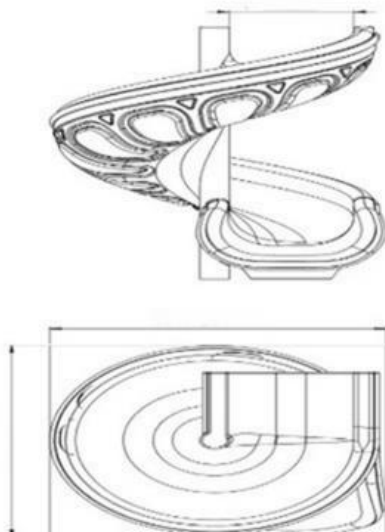
4.2. Double Slide (Two Users)

- Designed for **simultaneous use by two children**
- Two parallel sliding lanes separated by a central divider
- Minimum total width: **760 mm**
- Platform height: minimum **850 mm**
- Side edges: minimum **150 mm**



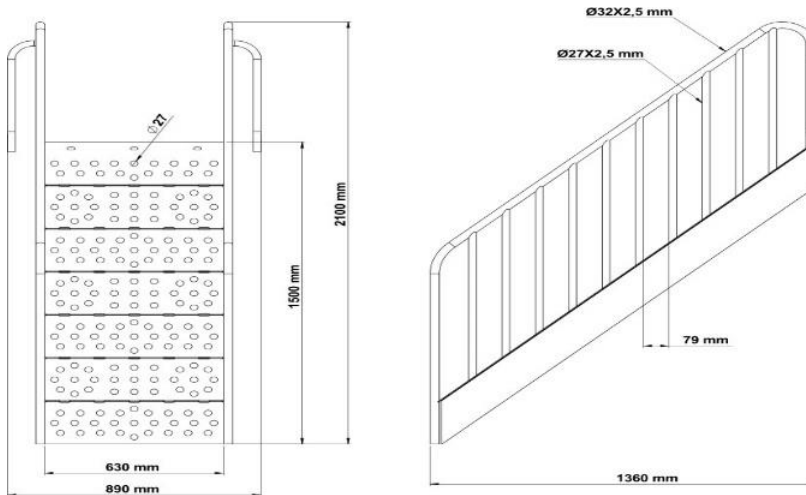
4.3. Spiral Slide

- Helical shape with minimum **270° rotation**
- Material: **LLDPE rotomolded**
- Entry shall be protected with side panels
- Platform height: minimum **1200 mm**
- Additional **metal support structure** required



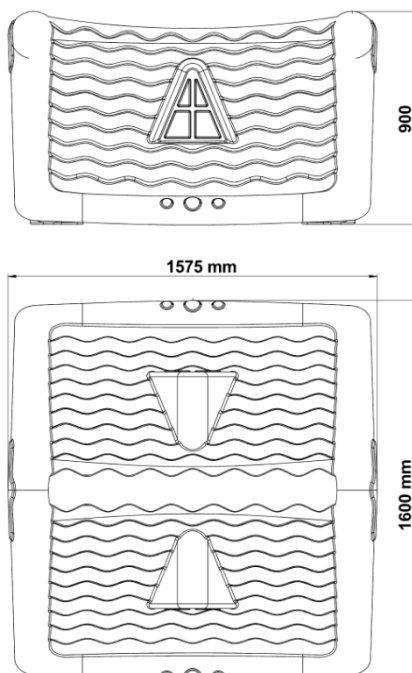
5. ACCESS SYSTEM (STAIRS / LADDER)

- Shall provide safe access to platforms
- Anti-slip steps
- Equipped with **handrails on both sides**
- Designed in compliance with child safety requirements



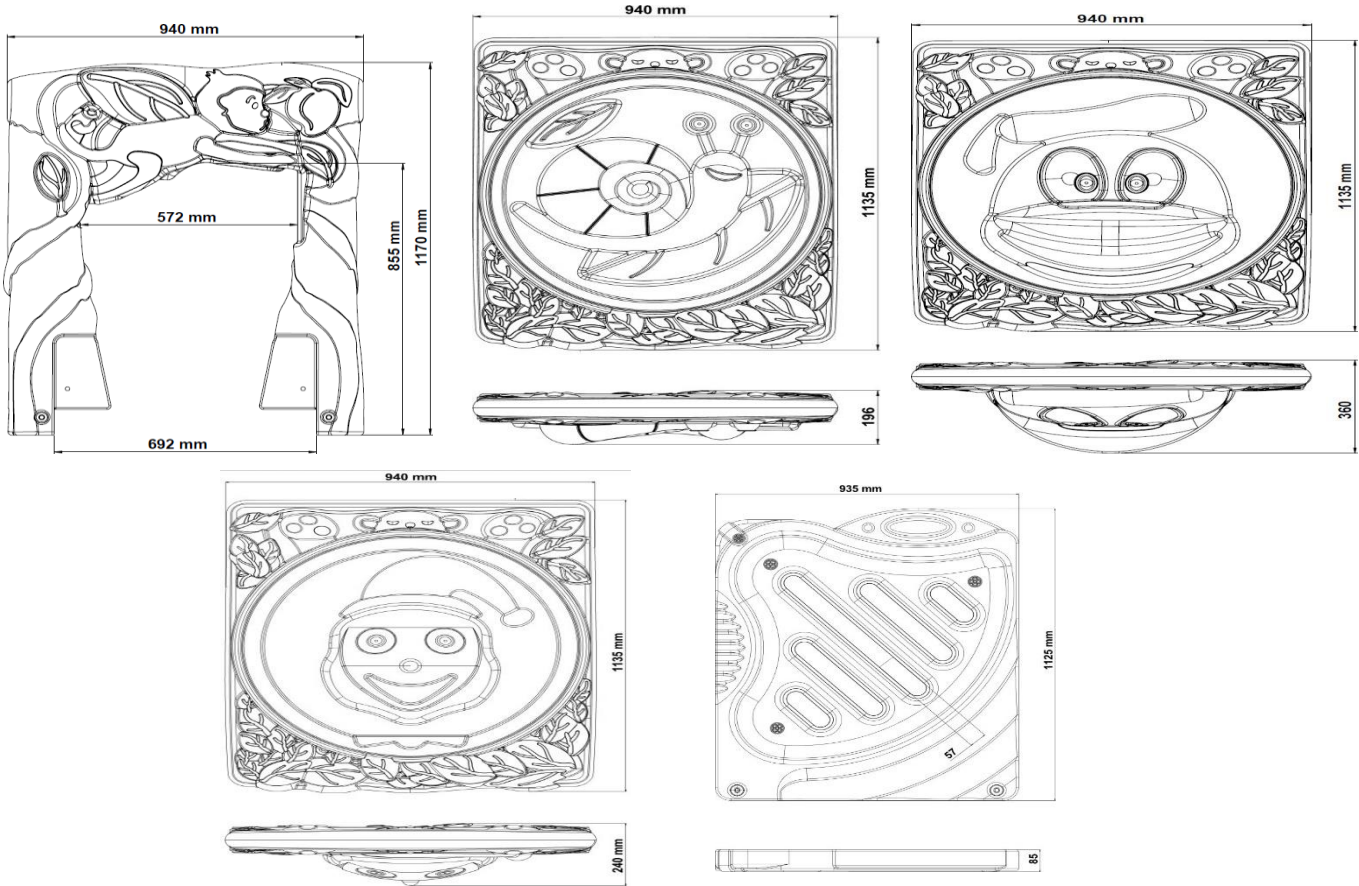
6. ROOF SYSTEM

- Material: **rotomolded LLDPE, monoblock construction**
- UV stabilized
- Resistant to impact and color fading
- Fixed using **anti-vandal mechanical fastening system**
- Designed with a **thematic appearance**



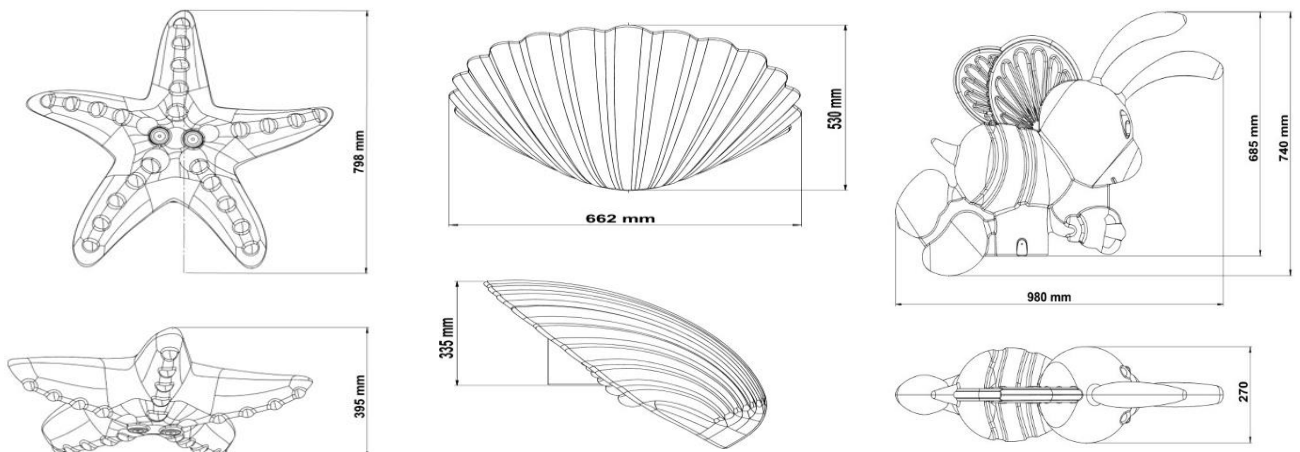
7. SIDE PANELS AND PROTECTIVE ELEMENTS

- Material: **LLDPE rotomolded, monoblock**
- All edges shall be **rounded**
- Designed to prevent **head, limb, or finger entrapment**
- Installed on platforms and elevated areas for safety



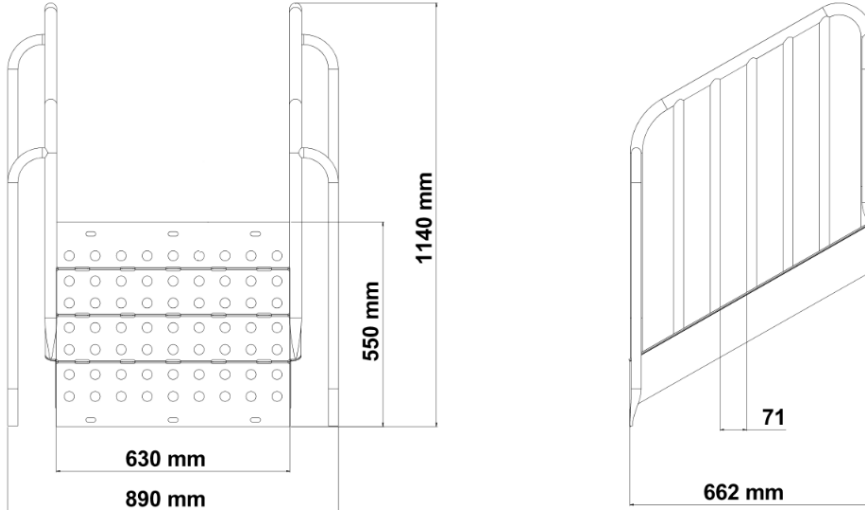
8. DECORATIVE ELEMENTS

- Shall provide aesthetic and thematic value
- Manufactured from durable outdoor materials (LLDPE or equivalent)
- UV resistant and suitable for outdoor conditions



9. CONNECTION BRIDGES / LINKING PLATFORMS

- Shall connect main and secondary towers
- Anti-slip walking surface
- Equipped with **side protection panels**



10. OVERALL DIMENSIONS

- Length: **5000 – 6000 mm**
- Width: **2500 – 3500 mm**
- Height: maximum **3500 mm**
- The supplier shall provide **detailed technical drawings with dimensions**

11. FOUNDATIONS AND INSTALLATION

- Foundations shall be made of **reinforced concrete (minimum C16/20)**
- Foundation depth shall be **below frost level**
- Installation shall be carried out by **qualified personnel**
- Equipment shall be delivered **fully assembled and operational**
- Final acceptance shall be documented with an **official handover report**

12. WARRANTY

- General warranty: minimum **24 months**
- Metal structure warranty: minimum **5 years**

13. COMPLIANCE AND DOCUMENTATION

The supplier shall provide:

- Technical drawings
- Product datasheets
- Catalogs and brochures
- Certificates of conformity
- Test reports (if applicable)

All equipment must comply with **EN 1176 playground safety standards**.

