# 1165

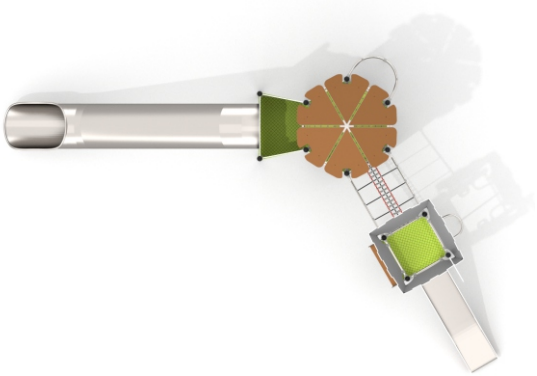


## Information about the product

| | |
|---|---|
| Dimensions | 539 x 840 cm |
| Safety zone | 975 x 1190 cm |
| Safety zone area | 63 m² |
| Overall height | 482 cm |
| Free fall height | 294 cm |
| Amount of users | 22 |
| Product complies with EN 1176-1:2017-12 | Yes |
| Availability of spare parts | Yes |
| Age range | 3 - 12 |

According to EN 1176-1:2017-12 norm, the product requires applying a safety surface according to the product's free fall height.





## Functions

Climbing

Sliding

Emotion regulation

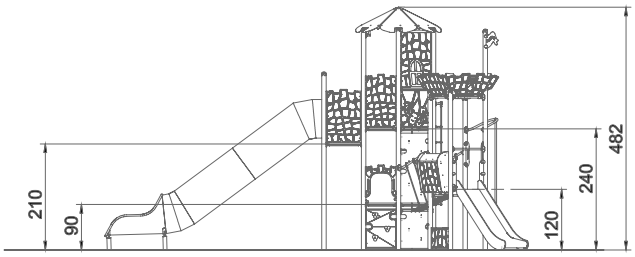
Socializing

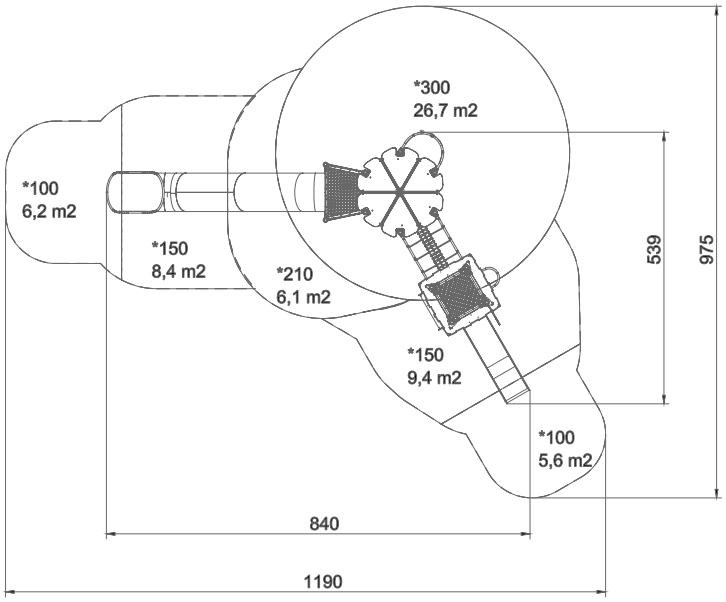
Grasping

Balancing

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1:150

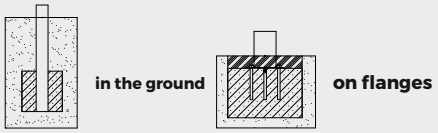
Due to the height of the free fall of the product,
the EN 1176-1:2017-12 norm allows following types of fall- absorbing surfaces:

| Material | Description | Minimal layer thickness mm |
|---|---|---|
| Bark | Chipped bark of coniferous trees (no wood-based materials), the size of the pieces between 20 mm to 80 mm | 300 |
| Wood chips | Mechanically fragmented wood without bark and leaves, size of the pieces between 5 mm to 30 mm | 300 |
| Sand or gravel | Particle size between 0,25 mm to 8 mm | 300 |
| Synthetic material | Synthetic material with an approval for free fall heights ≥ 2940 mm | |

All types of surfaces need to be preserved by adding bulk material and removing extraneous matters. Broken glass is considered to be most hazardous.

Special attention should be paid on the direction of location of stainless-steel slide. Due to the possibility to heat up the slide by the sun, the product should not be placed in the sunnier direction.

## Installation method




## Warranty

**Lifetime**
The warranty covers the durability of components made of HDPE (high-density polyethylene), as well as the structural integrity of components made of black steel that has been powder galvanised and powder coated, stainless steel, and components made of hot-dip galvanised steel.

**10 years**
The Guaranty covers all flaws of the elements made of HPL, HDPE, stainless steel, hot-dip galvanized steel, wooden elements (pine, spruce), revealed during usage, which arise from manufacturing reasons.

**5 years**
The Guaranty covers all flaws of the elements made of powder coated steel, aluminum, laminate, ropes, elements made in rotomoulding technology, elements made of polyamid, polypropylene elements, revealed during usage, which arise from manufacturing reasons.

**2 years**
The Guaranty covers all flaws of the elements made of rubber, moving elements ( bearings, joints), electronic elements, elements made of EPDM, elements made of plywood and other not mentioned before revealed during usage, which arise from manufacturing reasons.

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## Product description

**Castle Tower Set**

**Dimensions**

**Equipment dimensions:** 539 x 840 cm
**Safety zone:** 975 x 1190 cm
**Overall height:** 482 cm
**Free fall height:** 294 cm

**Materials:**

**Posts:** Tubes with a minimum diameter of 88.9 x 2.6 mm. Black steel S235JR, cleaned by sandblasting, corrosion-protected by powder galvanising and polyester powder coating, UV resistant with QUALICOAT certification.

**Post end caps:** Soft EPDM rubber cones.

**Roof:** Roofs manufactured from 15 mm thick HDPE panels.

**Open slide:** Made of AISI 304 stainless steel. Sheet thickness 2 mm. Side panels made of 15 mm thick HDPE polyethylene.

**Tube slide:** Made of AISI 304 stainless steel. Sheet thickness 2 mm.

**Platforms:** Made of 13 mm thick anti-slip HPL panels. Platform heights: 90 cm, 120 cm, and 240 cm.

**Bars, handrails, and ladders:** Made of AISI 304 stainless steel. Mounted to posts using dedicated connectors made of strong aluminium alloys. Aluminium is corrosion-protected by cathodic dip coating and polyester powder coating, UV resistant with QUALICOAT certification. Minimum bar diameter 33.7 mm.

**Wall panels:** Made from coloured three-layer HDPE polyethylene, 15 mm thick, or 13 mm thick HPL. Mounted to posts using dedicated connectors moulded from injection-formed polyamide.

**Climbing wall panels:** Made from coloured HPL plastic, 13 mm thick.

**Climbing stones:** Made from a mixture of aggregates and coloured polyester resin.

**Rope tunnel entrance:** Made of 16 mm diameter polypropylene pp-multisplit rope with a steel core. Mounted to posts using dedicated connectors moulded from injection-formed polyamide. Steel elements made of AISI 304 stainless steel. Mounted to posts using dedicated connectors made of strong aluminium alloys. Aluminium corrosion-protected by cathodic dip coating and polyester powder coating, UV resistant with QUALICOAT certification. Bar diameter 33.7 mm.

**Panels and interactive elements:**

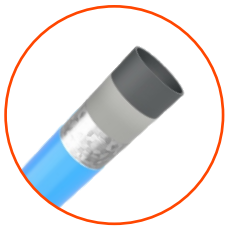
- **Counter:** Made of 15 mm thick HDPE panel.
- **Balcony:** Made of 15 mm thick HDPE polyethylene panel and 13 mm thick HPL panel.

**All screws** exposed to atmospheric conditions shall be made of stainless steel.

**The equipment shall include at minimum:**

1 x hexagonal tower with roof and two-level platforms (240 cm and 90 cm)
1 x square tower with stylised castle flank roof on 120 cm platform
1 x stainless steel slide (platform height 120 cm)
1 x tube slide (platform height 240 cm)
1 x bridge passage
1 x fireman's pole
3 x climbing walls
1 x vertical rope tunnel entrance
2 x educational panels
1 x post with mast
1 x balcony
1 x counter

## Materials



Solid construction made of black steel S235JR, cleaned in the sandblasting process. All elements made of black steel are subjected to a two-layer powder coating process, which includes the following stages: First layer – zinc-rich primer, Second layer – topcoat in RAL colour



Slides made of stainless steel AISI 304. Metal sheet with a thickness of 2 mm formed in a CNC technique. Side panels made of HDPE polyethylene 15 mm, in the highest quality and totally dampproof and resistant to UV.



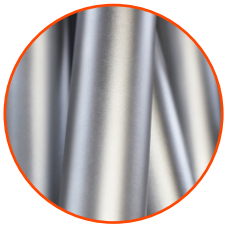
Polypropylene ropes PP-Multisplit type with a steel core and a diameter of 16 mm.



Climbing rocks made of chippings and colourful polyester resin



Plates of the walls made of colourful triple layered 15 mm HDPE polyethylene, in the highest quality, totally damp--proof and resistant to UV.



Elements made of AISI 304 stainless steel, cleaned using the glass bead blasting process, fully resistant to weather conditions.



Plates of the climbing walls and platforms made of colourful 13mm HPL (black plates made of 8 mm HPL), in the highest quality, totally damp-proof and resistant to UV.



Tube slides made of AISI 304 stainless steel, cleaned using a bead blasting process.