



## Information about the product

|                                         |                           |
|-----------------------------------------|---------------------------|
| Dimensions                              | ca. 1431 x 1054 cm        |
| Safety zone                             | ca. 1718 x 1272 cm        |
| Safety zone area                        | ca. 101,45 m <sup>2</sup> |
| Overall height                          | ca. 675 cm                |
| Free fall height                        | 210 cm                    |
| Amount of users                         | 32                        |
| Highest element                         | 595 cm                    |
| Heaviest element                        | 310 kg                    |
| 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



Socializing



Grasping



Sliding



Emotion regulation



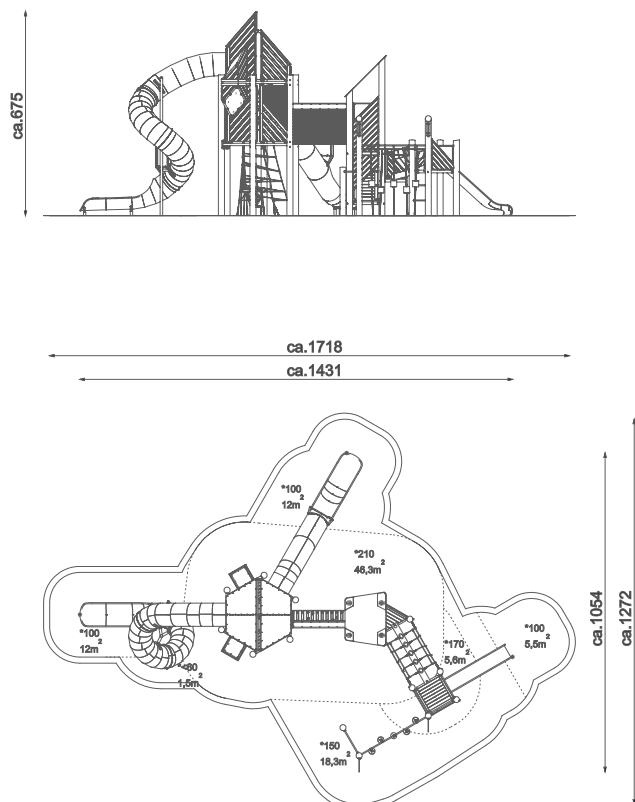
Courage



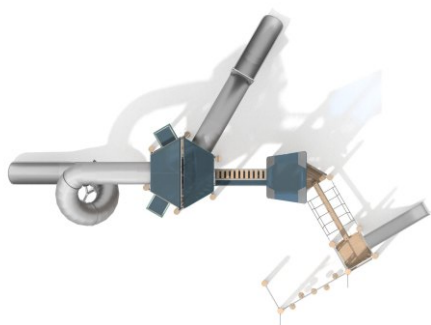
Logical thinking



Educational boards



1:250

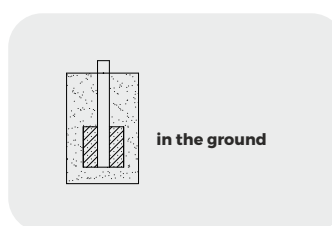


Due to the height of the free fall of the product, the EN 1176-1:2017-12 norm allows following types of fall- absorbing surfaces:

| Material           | Description                                                                                             | Minimal layer thickness mm |
|--------------------|---------------------------------------------------------------------------------------------------------|----------------------------|
| Bark               | Chipped bark of coniferous trees (no wood-based materials), the size of the pieces between 20mm to 80mm | 300                        |
| Wood chips         | Mechanically fragmented wood without bark and leaves, size of the pieces between 5 mm to 30             | 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 $\geq 210$ cm                                 |                            |

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

## 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.

## Product description

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Play Set Comprising Several Towers of Various Heights.

### Dimensions:

- Equipment Dimensions: ca. 1431 x 1054 cm
- Safety zone: ca. 1718 x 1272 cm
- Total height: 675 cm
- Free fall height: ca. 210 cm

### Materials:

#### Medium Tower:

**-Natural posts** made of robinia wood, protected against splitting. The structure is constructed from beams with a diameter ranging between 20-25 cm and a length of 800 cm, which together with the platforms form the main framework. Robinia contains large quantities of oils, which act as an excellent natural preservative protecting the wood from decay and pests.

**-Construction platforms** made from three materials:

Frame made of stainless steel AISI 304 fabricated from pipes with diameters of 76.1 x 3 mm and 33.7 x 2 mm, cleaned by shot blasting

Platform made of robinia boards and reinforced 10 mm rubber with an anti-slip surface

**-Roof** made from coloured polycarbonate with a thickness of 5 mm

**-Tube slides** manufactured from stainless steel AISI 304, cleaned by shot blasting. Spiral slides are fitted with coloured polycarbonate windows 6 mm thick.

**-Tower walls** constructed from robinia boards and stainless steel AISI 304 mesh, fixed to the post by aluminium clamps, protected against corrosion by powder coating.

**-Diamond Passage** between tower levels made from a combination of 13 mm HPL, robinia boards, and 5 mm coloured polycarbonate. Inside the passage, climbing holds are made from a mixture of aggregates and coloured polyester resins.

**-Bars and handles** made of stainless steel AISI 304, tubes with a minimum diameter of 33.7 x 2.0 mm

**-Three-dimensional climbing net** made from 16 mm diameter polypropylene pp-multisplit rope with a steel core and components of reinforced 10 mm rubber with an anti-slip texture. Rope connectors made of injection-moulded polyamide.

#### Small Towers:

**-Natural posts** made of Robinia wood, secured against splitting. Beams used range in diameter from 13-25 cm. These are connected by a specialized spacer made of stainless steel AISI 304 and an M16 stainless steel rod. Robinia contains large quantities of oils, which act as an excellent natural preservative protecting the wood from decay and pests

**-Climbing walls and platforms** made from Robinia wood.

**-Tower walls** constructed from natural Robinia wood planks and stainless steel AISI 304 mesh or 12 mm coloured polycarbonate, affixed to the posts using aluminium clamps, protected against corrosion by powder coating.

**-Roof** made from 12 mm coloured polycarbonate.

**-Bars and structural elements** made of stainless steel AISI 304, with a minimum bar diameter of 33.7 x 2.0 mm.

**-Connectors** manufactured from aluminium alloys. The aluminium is corrosion-protected by powder coating.

**-Slides:** open type, made from stainless steel AISI 304, with sheet metal 2 mm thick.

**-Climbing holds** made from a mixture of aggregates and coloured polyester resins.

**Mesh** of AISI 304 stainless steel, cleaned by shot blasting.

**Roof** made of 5 mm coloured polycarbonate and robinia wood boards.

**Platform** of 10 mm reinforced rubber with an anti-slip texture.

Obstacles inside the bridge made from 16 mm diameter pp-multisplit polypropylene ropes and handles manufactured from LDPE by rotomoulding.

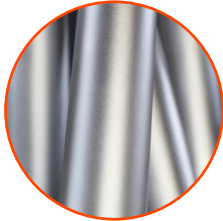
**-All screws and fixings** exposed to weather conditions are made of stainless steel.

#### The device includes at minimum:

- 1 x Hexagonal Tower – platform heights approximately 240 cm and 445 cm
- 2 x Square Tower without roof
- 1 x Small square Tower with two platforms, one above the other
- 1 x Triangular Tower
- 2 x Three-dimensional climbing nets
- 1 x Roof for the large tower
- 1 x Roof for the small tower
- 2 x Closed slides (spiral and straight) – platform heights approximately 240 cm and 445 cm
- 2 x Diamond-shaped passages between tower levels
- 1 x Open slide – platform height approximately 150 cm
- 1 x Climbing wall
- 3 x Tall walls made from a combination of robinia boards, 12 mm coloured polycarbonate, or stainless steel mesh
- 1 x Bridge with balance beam
- 1 x Passage with mushrooms
- 1 x Closed bridge
- 3 x Tall walls constructed from a combination of Robinia planks, 12 mm coloured polycarbonate, or stainless steel mesh

## Materials

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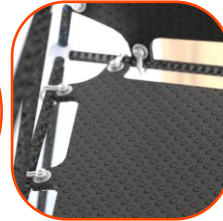
A solid structure made of AISI 304 stainless steel, cleaned using the glass bead blasting process, fully resistant to weather conditions.



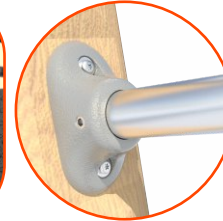
Natural posts made of robinia acacia wood, protected against splitting.



Elements made of colourful 13 mm HPL, in the highest quality, totally damp-proof and resistant to UV.



Reinforced rubber, 10 mm thick, with a non-slip surface.



A system of connectors and clamps made of strong aluminium alloys.



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



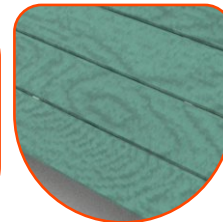
Tube slides made of AISI 304 stainless steel, cleaned using a bead blasting process.



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



Elements made of coloured polycarbonate 5 and 12mm.



Robinia painted with a special water-based, fast-drying, vapour-permeable paint, providing a semi-gloss finish.