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## ROB ROY

The **ROB ROY** playground is another original product line with a functional design, where every part used has its function, use and precise form. It combines the aesthetic and quality advantages of acacia wood with the benefits of highly durable industrial materials. The distinctive look of the **ROB ROY** playground is based on the contrast between the organic lines of the acacia trunks and the exact shapes of the plastic and steel parts. The **ROB ROY** playground and all its play elements are designed by their very nature to be resistant to the weather and normal wear and tear. The combination and choice of specific materials is based on the various stresses on the different parts of the playground and its components. **ROB ROY** play elements and assemblies have an open, clear layout that makes it easy to navigate for children playing and supervising parents. The individual playground elements place certain demands on the user. They respect the normal movement skills of children in the respective age groups while guiding them to master more complex tasks. They strengthen their physical fitness, willpower and self-confidence in a naturally entertaining way. **ROB ROY** playgrounds are versatile, high-quality children's furniture with didactic function and artistic value. Playing children are developed physically and mentally and are also led to perceive the aesthetics of the environment. The modern, airy functional design, the durability and strength of the materials against a certain subtlety in the technical detail make the **ROB ROY** playground both an artistic and utilitarian object that can become a valuable addition or a dominant feature of any public space.

### MATERIAL:

The bearing structure is made of steel pipes  $\varnothing$  108 mm with supporting elements made of steel pipes  $\varnothing$  42.4 and 108 mm, which also act as play attractions. All steel parts of the supporting structure are hot-dip galvanised. The fillings, walkable and climbing elements are made of coloured HDPE plastic sheets 19 mm thick. The rope elements and nets are made of ropes with multi-strand steel core braided with Polypropylene or Polyester yarn. The rope connections and rope terminations are made with couplings made of coloured plastic, aluminium and stainless steel. For the attachment of the rope elements, special handles made of cast aluminium alloy powder coated are used in some assemblies. The slides of different lengths have a sliding part made of AISI 304 stainless steel. The supporting structure and the sides of the slides are made of coloured HDPE plastic plates 19mm thick. Some of the rope ends and element connections are made with 6mm stainless steel chains. The fasteners are made of galvanized (strength) or stainless steel depending on the use, purpose and load. Climbing holds are made of fully coloured polyester filled with fibreglass and silica sand.

### SURFACE FINISH:

The acacia wood parts are stripped of bark. The surface is either left untreated or coated with vegetable oil-based coatings containing a UV absorber. The metal parts are coated with hot-dip zinc. All materials used for the surface treatment meet both hygiene and ecological requirements.

### ANCHORING:

The anchoring is made by concreting acacia prisms, steel pipes and anchoring chains into concrete footings.

### SAFETY:

The playground elements meet the safety and quality criteria defined by ČSN EN 1176 "Playgrounds".

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