

Play value

The Mill House creatively combines our popular Stilt House, our Crank Handle Pump, a wooden channel and our wooden Mill Wheel. This unique combination creates a Mill House with a particularly high play value. It offers a versatile, adaptable space that can be harmoniously integrated with a variety of terrains and opens numerous discovery and play opportunities for children. Central to the play is a fully functioning mill wheel, which is set in motion by pumping water using our Crank Handle Pump and a wooden channel. Children can independently guide water into the



channel and watch how it drives the Mill Wheel. This way, they discover the exciting effect of water on mechanical movements in a playful way. Our Mill House not only encourages individual play, but also interaction between children. Playing with the water in the Mill Wheel and channel encourages children to work together: they must decide how much water they need to get the shutter to open and the mill wheel to turn. This process requires communication, teamwork and joint problem-solving, which strengthens the children's social skills and promotes an awareness of cooperation and responsibility.

Fundamental characteristics

- Child proportions according to ergonomic requirements
- Appealing design
- Natural wooden surface which appeals to the senses
- Incentive for playing: role-playing games, water, interaction, hiding, view, cool down
- Movement: climbing up and around, pumping

Recommended for

- Kindergarten children
- Schoolchildren
- Supervised play areas, such as kindergartens, schools, after-school programmes or similar
- Public play areas without supervision, such as playgrounds, parks or similar

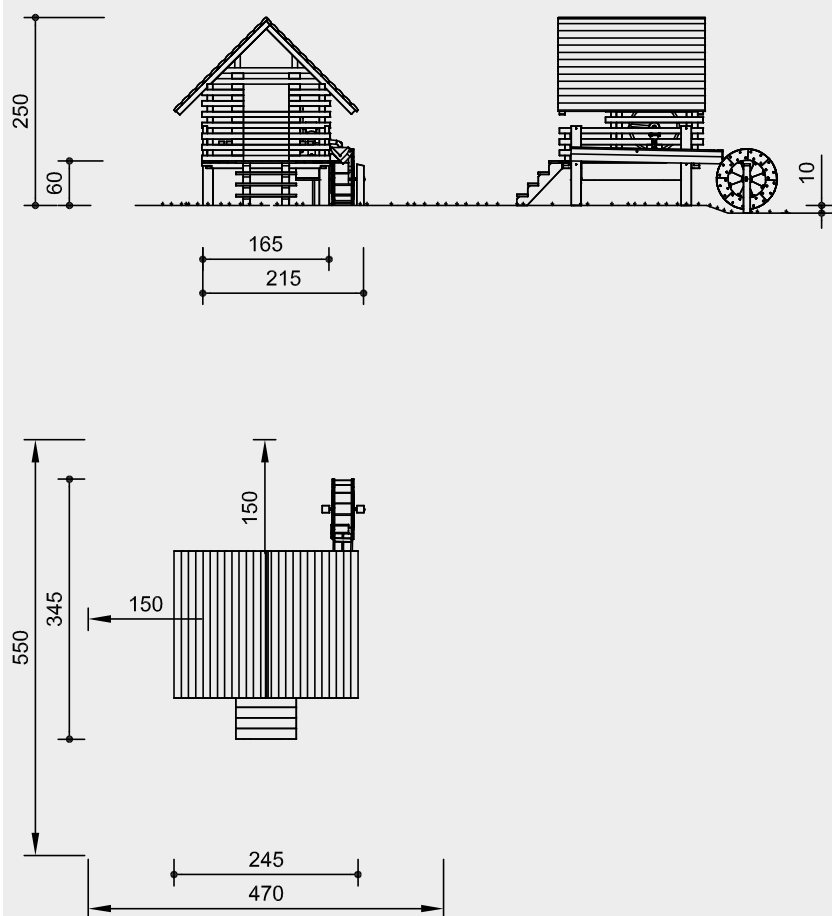
Mill House



5.09700

Order No. 5.09700
Mill House

Safety distance →
Device dimensions —●—
Functional distance —|—



Scale 1:100

Safety check according to DIN EN 1176

Components

- 1 Large Timber House on Stilts
incl. Staircase
- 1 Crank Handle Pump
incl. valve combination
- 1 Triangular Channel
- 1 Mill Wheel

Installation information

Surfacing requirements
corresponding to a fall height of ≤ 0.60 m
(please refer to price list for more
detailed information)

Foundations
4 items 50 x 50 x 40 cm
Excavation depth 60 cm
1 item 30 x 70 x 20 cm
Excavation depth 40 cm
1 item 90 x 50 x 50 cm
Excavation depth 70 cm

Attention:
Exact measurements may vary;
for all installation dimensions refer
to current assembly instructions.
Technical changes reserved.

Technical information

Equipment made of non-impregnated
mountain larch

Core-free

Sawn-timbers core-free, thus decreasing
occurrences of cracking and undesired
changes in shape



Claddings

Claddings made of mountain larch
(4 – 5 cm). Peeled white by hand,
natural tree surface remains tangible
and perceptible



Plywood

Plywood made of mountain larch,
three-layer (3 cm) or five-layer (4 cm).
High dimensional stability,
waterproof, glued according to
DIN EN 13353:2011



Ground anchor

All parts used for anchoring to the
ground are made of hot-dip galvanised
steel or stainless steel



Floor of 25 mm tongue and groove
boards
Steps of stairs made of hardwood, 32 mm

Mill Wheel

Equipment made of non-impregnated
mountain larch

Roller bearings

High-quality roller bearings made
of chrome steel or stainless steel for
rotating elements, easy to maintain and
exchange, sealed



**For more detailed explanation of the
quality characteristics see price list.**

Craftsman-like water wheel
construction with grooved and slitted
wood connections
Shaft, hub and hoop made of stainless
steel, glass bead blasted

**Crank Handle Pump
with extended run-out**

Closed piston suction pump; pump made
of stainless steel; cylinder and crank
housing, mounting plate, piston rod and
drive shaft made of stainless steel; the
drive shaft brass bearing is replaceable,
fitted with nipple for lubrication; cylinder
with a liner made of brass alloy and
plastic piston (POM); crank ring made
of stainless steel, knob made of plastic
material; the valve combination installed
in the pump connection box for direct
connection to mains water \varnothing 1 inch and
a shut-off valve with backflow preventer
(type EA) and drainage; external thread
1 inch; min 2.5 bar water pressure, max.
6 bar;
relief valve prevents swiipe from striking
back, water requirement approx. 18 l/min

Dimensions
(small deviations possible)

Height	2.50 m
Height floor	0.60 m
Length	2.45 m
Width	3.45 m
Weight	approx. 710 kg



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