

# Movement by Climbing

Richter Spielgeräte GmbH



## **Climbing**

Climbing is a type of exercise with special characteristics, defined to a great degree by self-determined action. The interaction between desires and aims, the forming of will and decisiveness, right up to the conscious step of grabbing, all make climbing particularly beneficial for development. In addition, it motivates people to get up and exercise in a positive way.

Climbing is fun.  
Tackling risk through  
looking  
understanding and  
reacting to things with confidence  
makes climbing and the associated playful  
experience of exercise a particularly important part  
of learning about life.

Frasdorf, January 2013

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We love nature!  
FSC-certified GardaPat 13 Kiara paper was used  
for this catalogue.





Licensor and designer: J. Gaier, W. Graubner, P. Hannes

# Climbing Structure

Freedom in movement.

**Norbert Rechler**

Climb up as high as possible, sit down, let your feet hang, feel the wind in your hair, look down from above, enjoy the view.

**Evi Hamberger**

For me climbing means freedom.  
Being free means you have everything  
and if you're free you are a KING!

**Maria Guggenbichler**

Climbing is a type of exercise that greatly encourages development, and it's fun.

**Julian Richter Sr.**

Climbing is fun and unconsciously encourages new challenges. Moving upwards towards ever higher levels promotes self-confidence and helps to conquer fear.

**Maria Molina**

Climbing  
is a conscious act  
nothing just happens  
it increases self-confidence.  
Gain height – and discover yourself  
get a different perspective of the world -  
rise above everything.

**Richard Geistanger**

## **Climbing as exercise**

Children, and what stands out is that it is very often girls, have a natural urge to climb onto things or climb up things. More than with any other kind of exercise, climbing stimulates self-perception, promotes the ability to make decisions and supports concentration, trains spatial perception and supports self-confidence.

In particular when children and youths are climbing in a play scenario along with others, situations arise where they measure and compare their abilities. This process contributes, amongst other things, to self-value and self-identity.

## Climbing Structure

### Concept

Climbing is defined here by moving around in the inclined area.

### Design characteristics

The following climbing structures differ distinctly in their dimensions and slightly in the height. As a group offer this means they have different effects. From the perspective of play value and safety they are almost identical.

- standard delivery is in robinia wood
- also available in larch with steel feet
- platform-like ascension
- mainly flatly inclined timbers
- some curved timbers, depending on the growth and choice
- fan-shaped arrangement in layers
- climbing nets integrated into the structure
- various standard versions

### **So that we can plan a climbing structure which is tailored to on-site situation we require the following information:**

- plan of site with scale, reference measurements, north point
- particular characteristics of your site
- details of the position of supply lines in the earth or above it
- direction of the structure on the site
- if possible, budget guidelines

### Safety

The climbing structures have been type tested (safety certification has been obtained).

The climbing structures must be constructed on-site following our installation instructions and in accordance with the relevant safety criteria. Due to the different local conditions and the different growth forms of the trunks we recommend a technical inspection authority test on-site following installation.

All climbing structures can be climbed up to a maximum of 3 m in height.

### Installation

The following documents are available for installation:

- top elevation with necessary space requirement and safety distance
- perspective drawing
- foundation plan
- installation instructions
- a scale model on loan

The installation of the climbing structures can only be carried out by installation companies that have been instructed in safety and installation criteria by us. Instruction is necessary at least for the first time a climbing structure is installed.

## Quality Criteria



### **angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



### **one-piece construction (Climbing Structure 01, 03)**

total construction of slide of 2 mm stainless steel, mould-profiled longitudinally, no welding seams along the slide surface



### **Corocord® rope**

**special ropes of 'Hercules' type**  
six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



### **aluminium swages**

double-conical aluminium swages with rounded-off ends



### **S clamps**

neatly rounded Corocord® S clamps made of stainless steel, Ø 8 mm



### **concealed head**

large surface for pressure distribution, prevents water from getting inside, protects the bolt head, easy procurement of spare parts by company trademark indelibly inscribed on the equipment



### **adjustable bolts**

no projecting threads after re-tightening due to two-piece bolt connection



### **distance fitting**

to avoid entrapment of cords



### **starting element of the slide (Climbing Structure 01, 03, 10)**

enlarged entry area for a safe crossing from climbing to sliding

### **Robinia**

The **Common Robinia** (*robinia pseudoacacia*), also known as **Black Locust** or **False Acacia**, is a deciduous tree 20 to 30 m high with a maximum diameter of 40 cm.

Originating from North America the robinia was planted in parks and gardens over all Europe and can now also be found growing wild. It is a fast growing wood with extraordinary physical wood properties. Robinia wood is classified as class 1 resistant and is therefore known to be particularly resistant to wood destroying insects and fungi.

Robinia wood is traditionally used in ship and furniture building, as a mining timber as well as for sleepers. The expected durability of robinia for parts located underground is advantageous for play ground equipment. The often curved growth of the robinia's trunk emphasises the natural character that characterises our climbing structures.

Alongside these outstanding properties it needs to be noted that in spite of careful choice there is the possibility of strong cracking and the occurrence of local rotting when using robinia. Due to the curved growth, replacing the individual timbers can involve a greater effort.

### **Play value**

Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.



### **Fundamental characteristics**

- natural, strong posts
- no pre-determined play procedures, also able to be used in stages, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise, sliding

### **Climbing Structure 01**

### **Suitable**

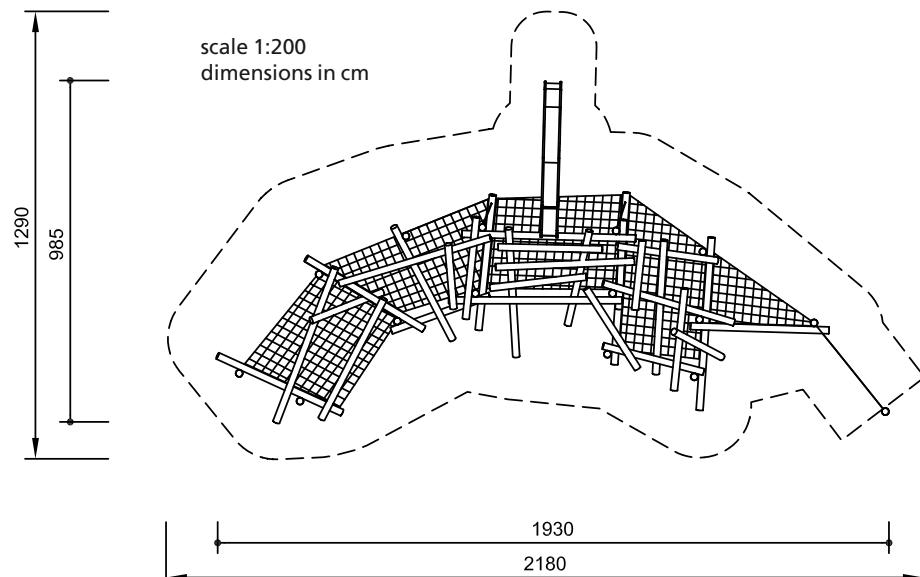
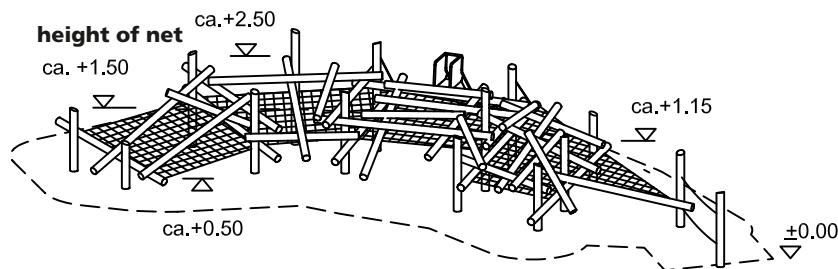
- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres



**6.51001**

**Climbing Structure 01**  
Order No. 6.51001

**Height details in meters**



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

**Components**

pre-fabricated gates  
connecting tie beams  
nets  
ropes for tensioning  
balancing/holding rope  
fittings  
stainless steel slide, attachment  
height 2.40 m

**Dimensions**  
(small deviations possible)

length 19.30 m  
width 9.85 m

**Required space**  
21.80 x 12.90 m



6.51001

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**one-piece construction**

total construction of slide of 2 mm stainless steel, mould-profiled longitudinally, no welding seams along the slide surface



**Corocord® rope**

**special ropes of 'Hercules' type**

six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



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

**Installation information**

Surfacing requirements corresponding to a fall height of 3.00 m (please refer to price list for more detailed information)

Foundations  
15 items 80 x 80 x 60 cm  
excavation 80 cm  
Stainless Steel Slide  
1 item 75 x 30 x 30 cm  
excavation 70 cm

**Note**

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**

Subject to technical changes.

**aluminium swages**

double-conical aluminium swages with rounded-off ends



**S clamps**

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



**concealed head**

large surface for pressure distribution, prevents water from getting inside, protects the bolt head, easy procurement of spare parts by company trademark indelibly inscribed on the equipment

**adjustable**

no projecting threads after re-tightening due to two-piece bolt connection



**distance fitting**

to avoid entrapment of cords



**starting element of the slide**

enlarged entry area for a safe crossing from climbing to sliding



### Play value

Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.



*The picture shows the version in larch with steel feet.*

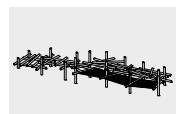
**Climbing Structure 02**

### Fundamental characteristics

- natural, strong posts
- no pre-determined play procedures, also able to be used in stages, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise

### Suitable

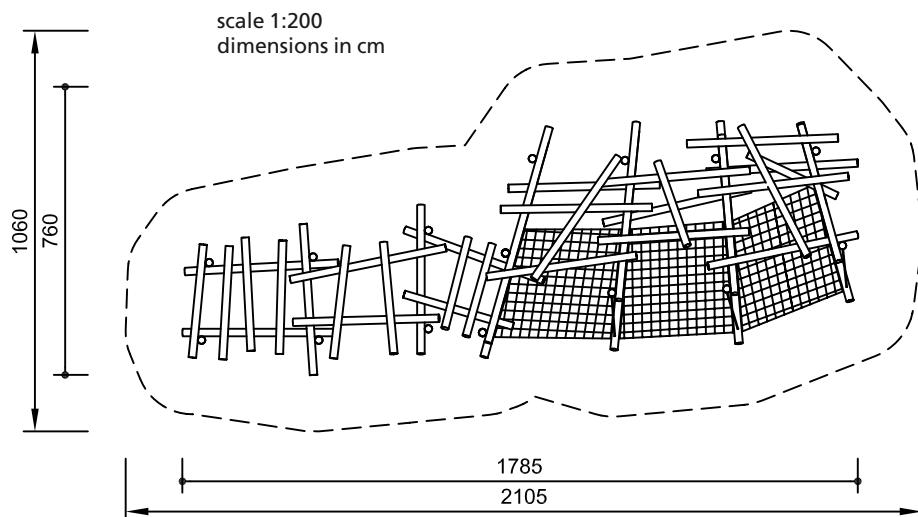
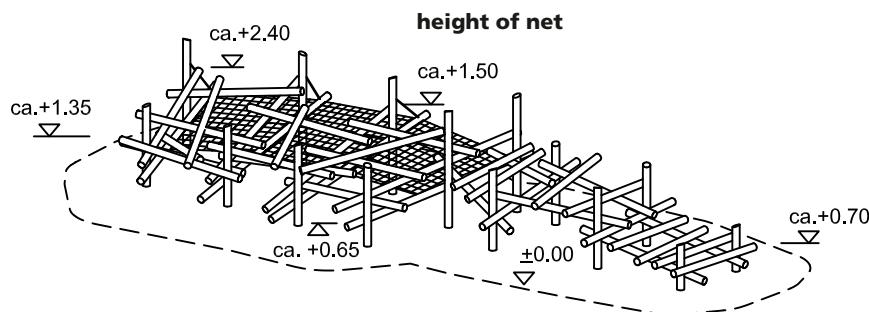
- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres



**6.51002**

**Climbing Structure 02**  
Order No. 6.51002

**Height details in meters**



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

**Components**

pre-fabricated gates  
connecting tie beams  
nets  
ropes for tensioning  
fittings

**Dimensions**  
(small deviations possible)

length 17.85 m  
width 7.60 m

**Required space**  
21.05 x 10.60 m

**Installation information**

Surfacing requirements  
corresponding to a fall height of 3.00 m  
(please refer to price list for more  
detailed information)

Foundations  
15 items 80 x 80 x 60 cm  
excavation 80 cm

**Note**

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**  
Subject to technical changes.

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**Corocord® rope**

**special ropes of 'Hercules' type**

six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



**aluminium swages**

double-conical aluminium swages with rounded-off ends



**S clamps**

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



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

### **Play value**

Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.



### **Fundamental characteristics**

- natural, strong posts
- no pre-determined play procedures, also able to be used in stages, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise, sliding

### **Climbing Structure 03**

### **Suitable**

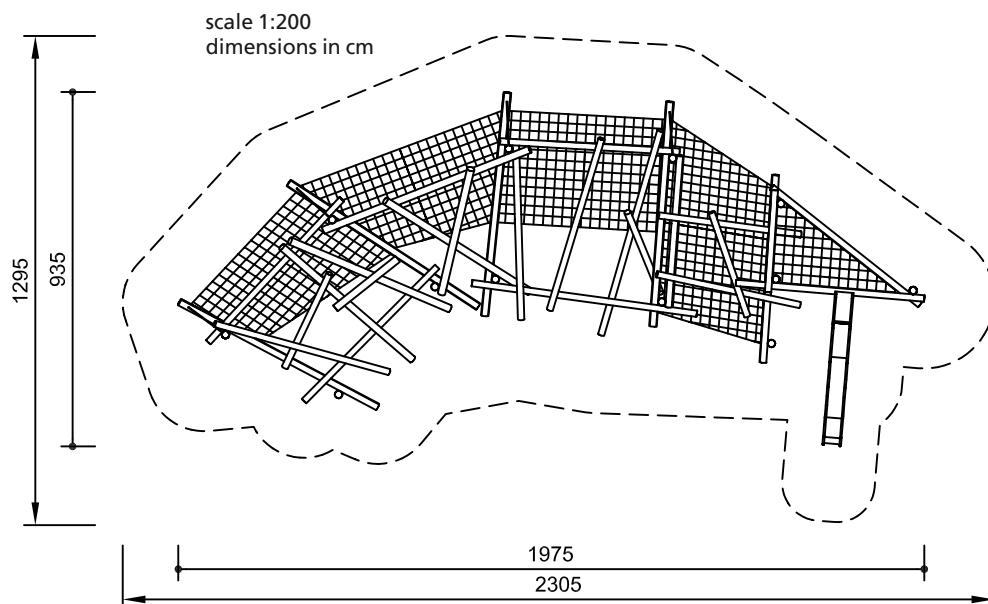
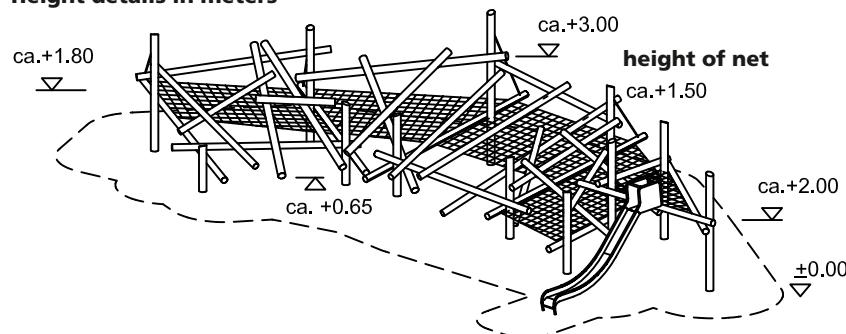
- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres



**6.51003**

**Climbing Structure 03**  
Order No. 6.51003

**Height details in meters**



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

**Components**

pre-fabricated gates  
connecting tie beams  
nets  
ropes for tensioning  
fittings  
stainless steel slide, attachment  
height 2.00 m

**Dimensions**  
(small deviations possible)

length 19.75 m  
width 9.35 m

**Required space**  
23.05 x 12.95 m



6.51003

**Installation information**

Surfacing requirements  
corresponding to a fall height of 3.00 m  
(please refer to price list for more  
detailed information)

Foundations  
12 items 80 x 80 x 60 cm  
excavation 80 cm  
Stainless Steel Slide  
1 item 75 x 30 x 30 cm  
excavation 70 cm

**Note**

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**  
Subject to technical changes.

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**one-piece construction**

total construction of slide of 2 mm stainless steel, mould-profiled longitudinally, no welding seams along the slide surface



**Corocord® rope**

**special ropes of 'Hercules' type**  
six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



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

**aluminium swages**

double-conical aluminium swages with rounded-off ends



**S clamps**

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



**concealed head**

large surface for pressure distribution, prevents water from getting inside, protects the bolt head, easy procurement of spare parts by company trademark indelibly inscribed on the equipment



**adjustable**

no projecting threads after re-tightening due to two-piece bolt connection



**distance fitting**

to avoid entrapment of cords



**starting element of the slide**

enlarged entry area for a safe crossing from climbing to sliding



### **Play value**

Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.



### **Fundamental characteristics**

- natural, strong posts
- no pre-determined play procedures, also able to be used in stages, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise

### **Climbing Structure 04**

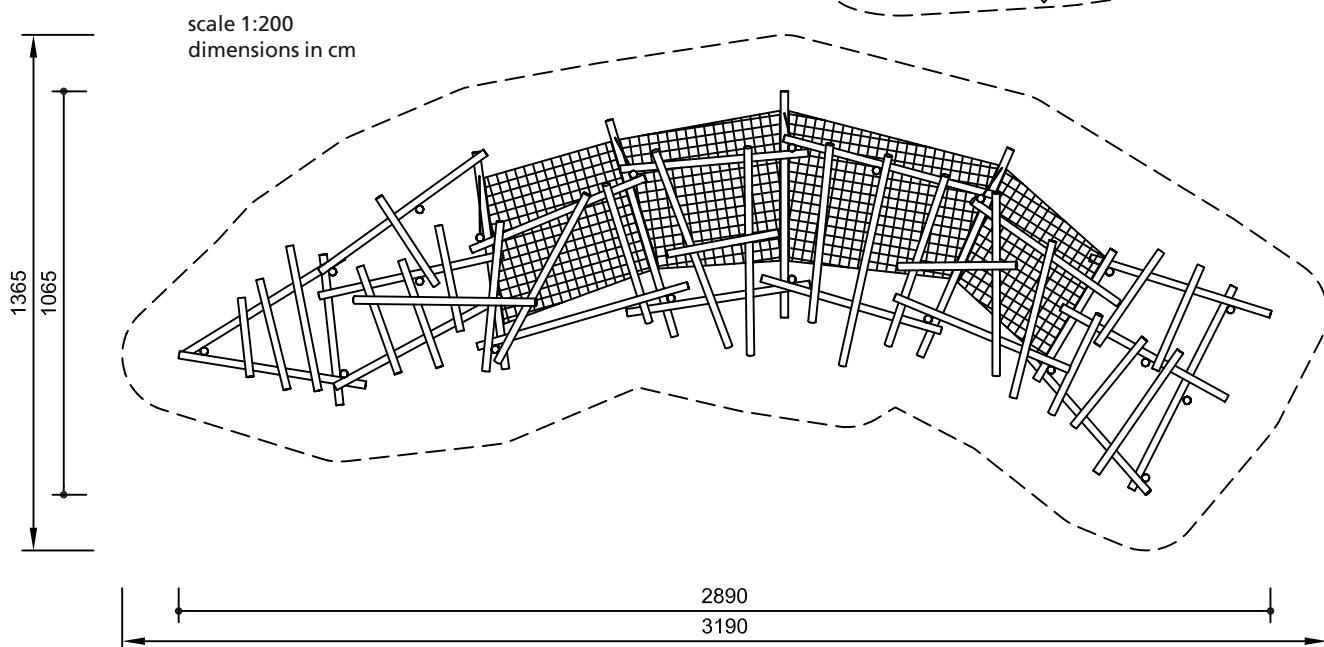
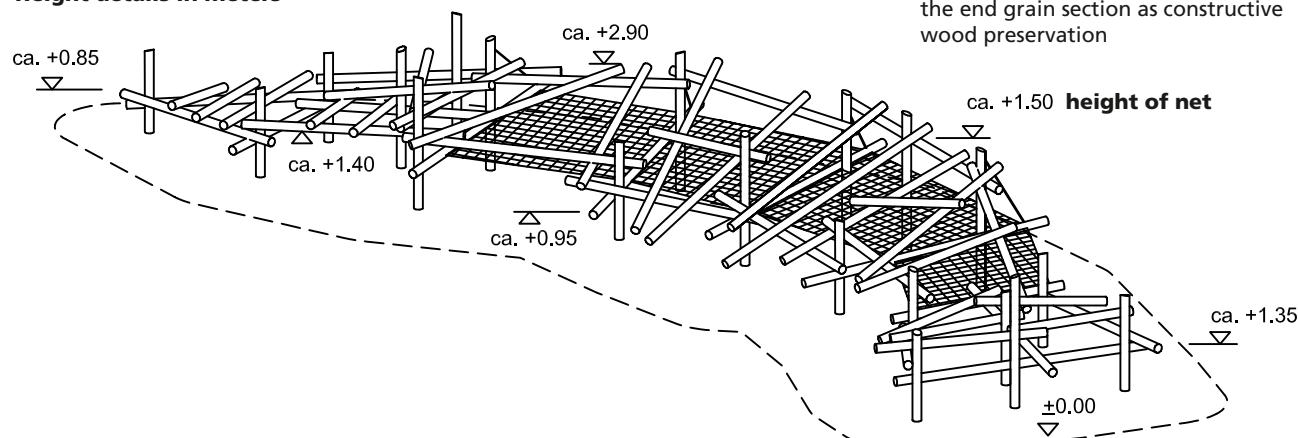
### **Suitable**

- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres



**Climbing Structure 04**  
Order No. 6.51004

**Height details in meters**



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

**Components**

pre-fabricated gates  
connecting tie beams  
nets  
ropes for tensioning  
fittings

**Dimensions**  
(small deviations possible)

length 28.90 m  
width 10.65 m

**Required space**  
31.90 x 13.65 m



6.51004

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**Installation information**

Surfacing requirements  
corresponding to a fall height of 3.00 m  
(please refer to price list for more  
detailed information)

Foundations  
20 items 80 x 80 x 60 cm  
excavation 80 cm

**Note**

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**

Subject to technical changes.

**Corocord® rope**

**special ropes of 'Hercules' type**

six-strand Corocord® rope of the  
special 'Hercules' type, abrasion  
protected through heating of the six  
steel strands and melting the polyamide  
sleeve onto them



**aluminium swages**

double-conical aluminium swages with  
rounded-off ends



**S clamps**

rounded Corocord® S clamps made of  
stainless steel, Ø 8 mm



**concealed head**

large surface for pressure distribution,  
prevents water from getting  
inside, protects the bolt head, easy  
procurement of spare parts by company  
trademark indelibly inscribed on the  
equipment



**adjustable**

no projecting threads after re-tightening due to two-piece bolt  
connection



**distance fitting**

to avoid entrapment of cords



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

### Play value

Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.

### Fundamental characteristics

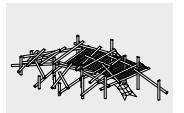
- natural, strong posts
- no pre-determined play procedures, also able to be used in stages, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise

### Suitable

- for children from 6 years and teenagers
- for schools institutions for young people sports grounds leisure areas parks tourist centres



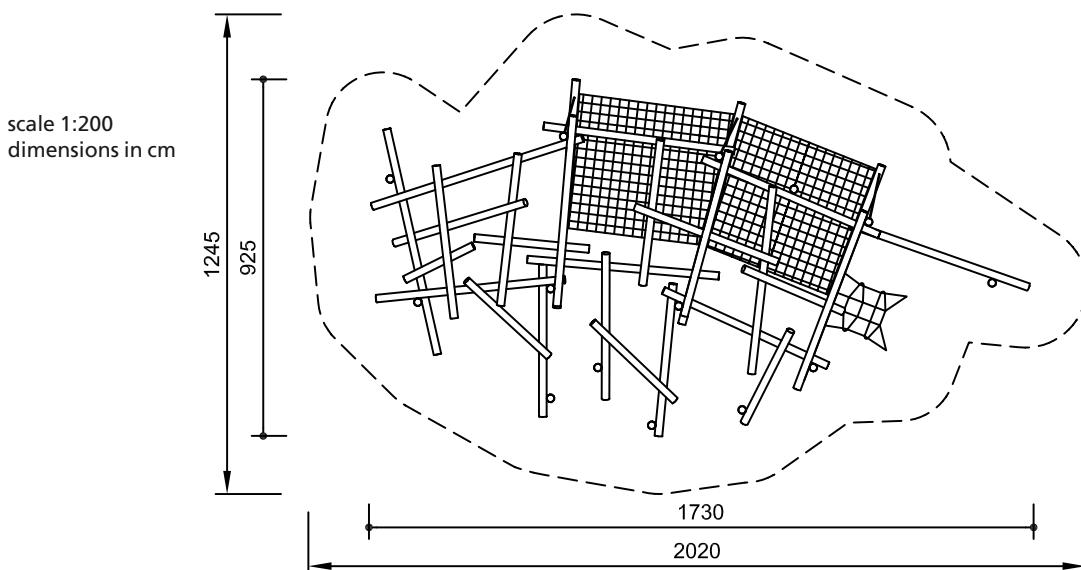
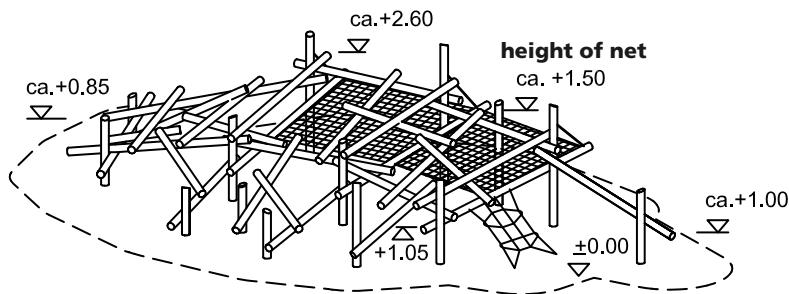
**Climbing Structure 05**



**6.51005**

**Climbing Structure 05**  
Order No. 6.51005

**Height details in meters**



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

**Components**

pre-fabricated gates  
connecting tie beams  
nets  
inclined climbing net  
ropes for tensioning  
fittings

**Dimensions**  
(small deviations possible)

length 17.30 m  
width 9.25 m

**Required space**  
20.20 x 12.45 m



6.51005

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**Corocord® rope**

**special ropes of 'Hercules' type**

six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



**aluminium swages**

double-conical aluminium swages with rounded-off ends



**S clamps**

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



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

**Installation information**

Surfacing requirements corresponding to a fall height of 3.00 m (please refer to price list for more detailed information)

Foundations  
14 items 80 x 80 x 60 cm  
excavation 80 cm  
Inclined Climbing Net  
2 items 50 x 50 x 40 cm  
excavation 80 cm

**Note**

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**

Subject to technical changes.

**concealed head**

large surface for pressure distribution, prevents water from getting inside, protects the bolt head, easy procurement of spare parts by company trademark indelibly inscribed on the equipment



**adjustable**

no projecting threads after re-tightening due to two-piece bolt connection



**distance fitting**

to avoid entrapment of cords



### **Play value**

Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.



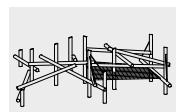
### **Fundamental characteristics**

- natural, strong posts
- no pre-determined play procedures, also able to be used in stages, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise

**Climbing Structure 06**

### **Suitable**

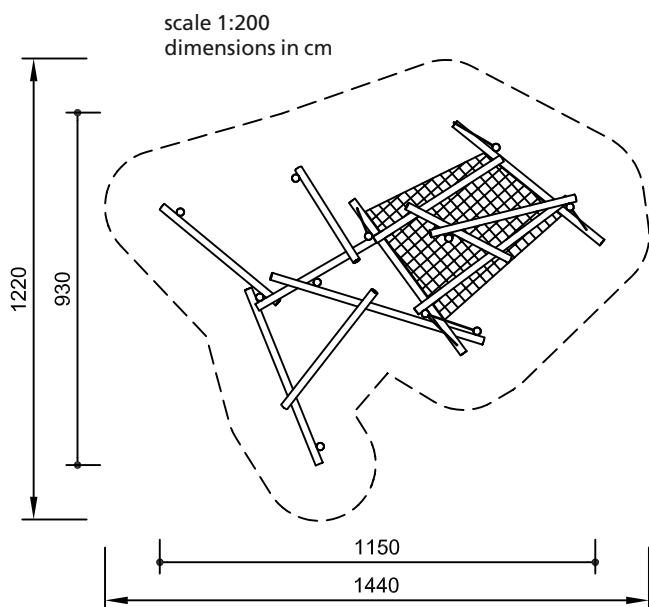
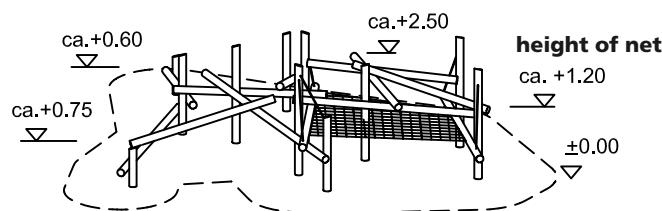
- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres



**6.51006**

**Climbing Structure 06**  
Order No. 6.51006

**Height details in meters**



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

**Components**

pre-fabricated gates  
connecting tie beams  
net  
ropes for tensioning  
fittings

**Dimensions**  
(small deviations possible)

length 11.50 m  
width 9.30 m

**Required space**  
14.40 x 12.20 m

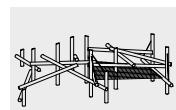
**Installation information**

Surfacing requirements  
corresponding to a fall height of 3.00 m  
(please refer to price list for more  
detailed information)

Foundations  
11 items 80 x 80 x 60 cm  
excavation 80 cm

**Note**

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**  
Subject to technical changes.



6.51006

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**Corocord® rope**

**special ropes of 'Hercules' type**

six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



**aluminium swages**

double-conical aluminium swages with rounded-off ends



**S clamps**

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



**concealed head**

large surface for pressure distribution, prevents water from getting inside, protects the bolt head, easy procurement of spare parts by company trademark indelibly inscribed on the equipment



**adjustable**

no projecting threads after re-tightening due to two-piece bolt connection



**distance fitting**

to avoid entrapment of cords



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

### **Play value**

Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.



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Design and Copyright

### **Fundamental characteristics**

- natural, strong posts
- no pre-determined play procedures, also able to be used in stages, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise

### **Climbing Structure 07**

### **Suitable**

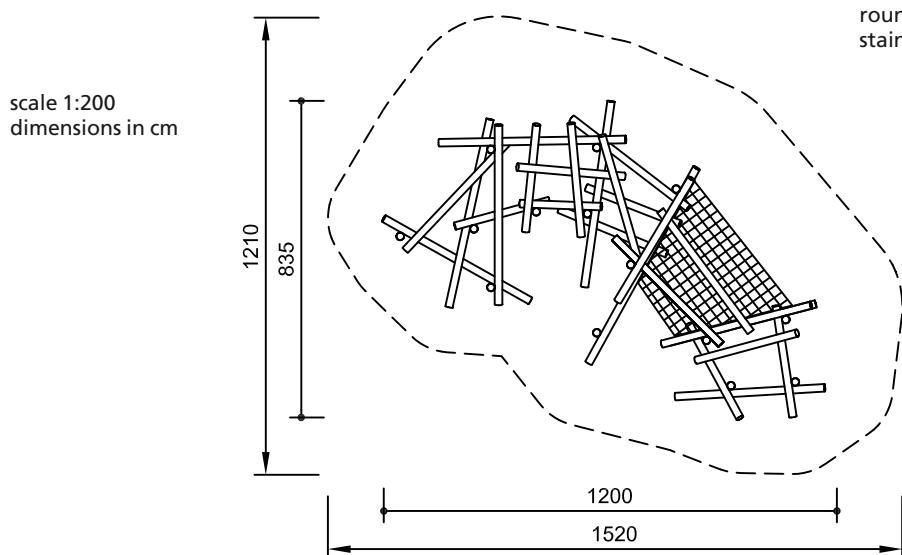
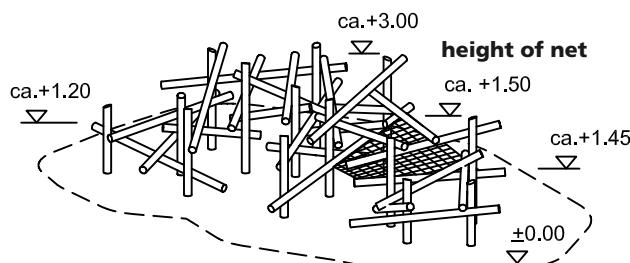
- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres



**6.51007**

**Climbing Structure 07**  
Order No. 6.51007

**Height details in meters**



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

**Components**

pre-fabricated gates  
connecting tie beams  
net  
fittings

**Dimensions**  
(small deviations possible)

length 12.00 m  
width 8.35 m

**Required space**  
15.20 x 12.10 m

**Installation information**

Surfacing requirements  
corresponding to a fall height of 3.00 m  
(please refer to price list for more  
detailed information)

Foundations  
14 items 80 x 80 x 60 cm  
excavation 80 cm

**Note**

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**  
Subject to technical changes.

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**Corocord® rope**

**special ropes of 'Hercules' type**

six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



**aluminium swages**

double-conical aluminium swages with rounded-off ends



**S clamps**

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



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

**concealed head**

large surface for pressure distribution, prevents water from getting inside, protects the bolt head, easy procurement of spare parts by company trademark indelibly inscribed on the equipment



**adjustable**

no projecting threads after re-tightening due to two-piece bolt connection



**distance fitting**

to avoid entrapment of cords



### **Play value**

Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.



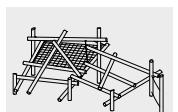
### **Fundamental characteristics**

- natural, strong posts
- no pre-determined play procedures, also able to be used in stages, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise

**Climbing Structure 08**

### **Suitable**

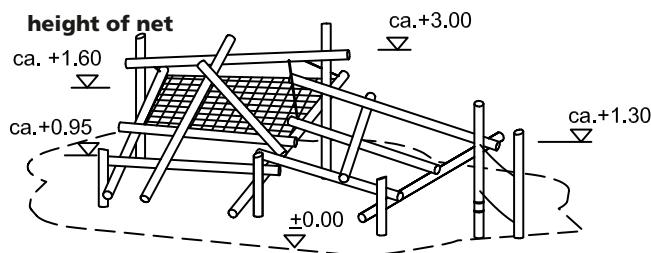
- for children from 6 years and teenagers
- for schools institutions for young people sports grounds leisure areas parks tourist centres



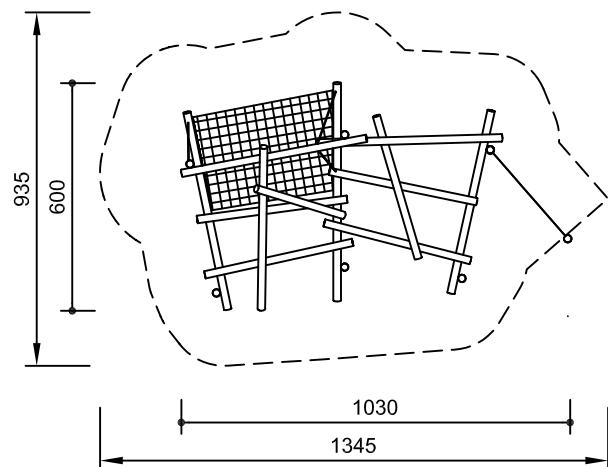
**6.51008**

**Climbing Structure 08**  
Order No. 6.51008

**Height details in meters**



scale 1:200  
dimensions in cm



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

**Components**

pre-fabricated gates  
connecting tie beams  
net  
ropes for tensioning  
fittings

**Dimensions**  
(small deviations possible)

length 10.30 m  
width 6.00 m

**Required space**  
13.45 x 9.35 m

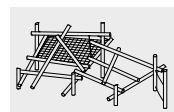
**Installation information**

Surfacing requirements  
corresponding to a fall height of 3.00 m  
(please refer to price list for more  
detailed information)

Foundations  
7 items 80 x 80 x 60 cm  
excavation 80 cm

**Note**

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**  
Subject to technical changes.



6.51008

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**Corocord® rope**

**special ropes of 'Hercules' type**

six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



**aluminium swages**

double-conical aluminium swages with rounded-off ends



**S clamps**

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



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

**concealed head**

large surface for pressure distribution, prevents water from getting inside, protects the bolt head, easy procurement of spare parts by company trademark indelibly inscribed on the equipment



**adjustable**

no projecting threads after re-tightening due to two-piece bolt connection



**distance fitting**

to avoid entrapment of cords



### **Play value**

Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.



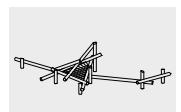
### **Fundamental characteristics**

- natural, strong posts
- no pre-determined play procedures, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise

**Climbing Structure 09**

### **Suitable**

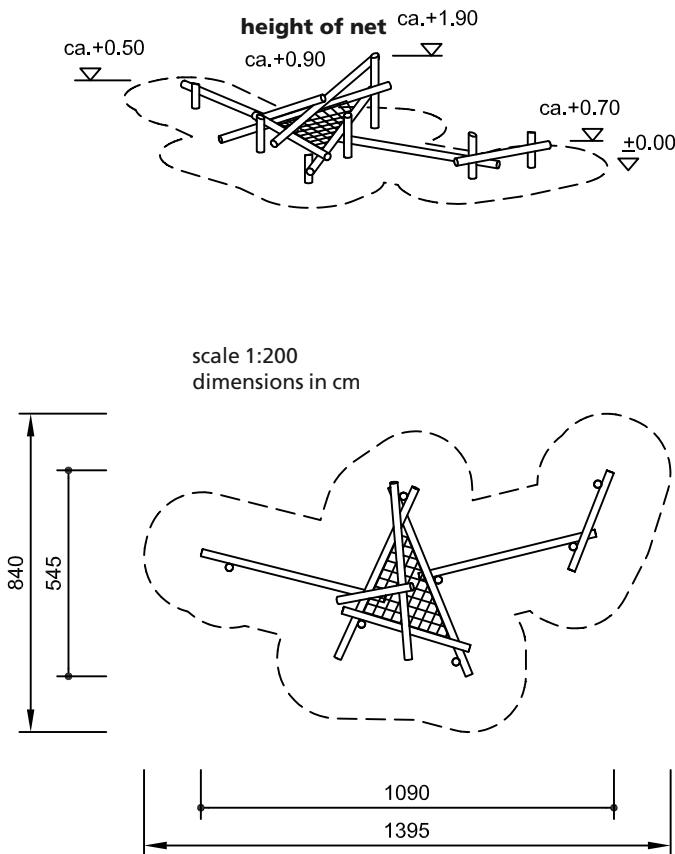
- for children from 4 years and teenagers
- for kindergartens
- schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres



**6.51009**

**Climbing Structure 09**  
Order No. 6.51009

**Height details in meters**



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

**Components**

stand posts  
connecting tie beams  
net  
fittings

**Dimensions**  
(small deviations possible)

length 10.90 m  
width 5.45 m

**Required space**  
13.95 x 8.40 m

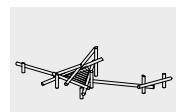
**Installation information**

Surfacing requirements  
corresponding to a fall height of 2.00 m  
(please refer to price list for more  
detailed information)

Foundations  
7 items 80 x 80 x 60 cm  
excavation 80 cm

**Note**

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**  
Subject to technical changes.



6.51009

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**Corocord® rope**

**special ropes of 'Hercules' type**

six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



**aluminium swages**

double-conical aluminium swages with rounded-off ends



**S clamps**

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



**concealed head**

large surface for pressure distribution, prevents water from getting inside, protects the bolt head, easy procurement of spare parts by company trademark indelibly inscribed on the equipment



**adjustable**

no projecting threads after re-tightening due to two-piece bolt connection



**distance fitting**

to avoid entrapment of cords



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

### Play value

Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.



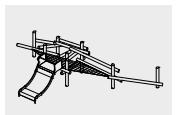
### Fundamental characteristics

- natural, strong posts
- no pre-determined play procedures, also able to be used in stages, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise, sliding

### Climbing Structure 10

### Suitable

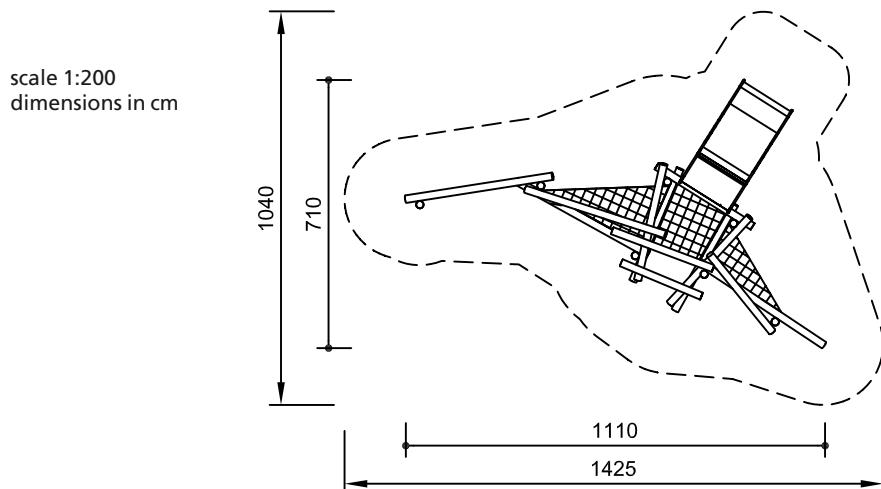
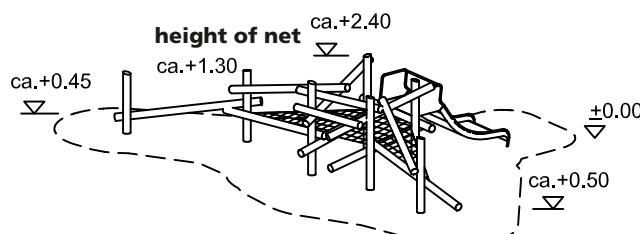
- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres



6.51010

**Climbing Structure 10**  
Order No. 6.51010

**Height details in meters**



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

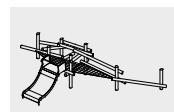
**Components**

pre-fabricated gates  
connecting tie beams  
nets  
fittings  
stainless steel slide, attachment  
height 1.50 m, width 1.50 m

**Dimensions**  
(small deviations possible)

length 11.10 m  
width 7.10 m

**Required space**  
14.25 x 11.00 m



**6.51010**

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**Corocord® rope**

**special ropes of 'Hercules' type**

six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



**aluminium swages**

double-conical aluminium swages with rounded-off ends



**S clamps**

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



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

**Installation information**

Surfacing requirements corresponding to a fall height of 3.00 m (please refer to price list for more detailed information)

Foundations  
7 items 80 x 80 x 60 cm  
excavation 80 cm  
Stainless Steel Slide  
2 items 30 x 30 x 30 cm  
excavation 70 cm

**Note**

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**

Subject to technical changes.

**concealed head**

large surface for pressure distribution, prevents water from getting inside, protects the bolt head, easy procurement of spare parts by company trademark indelibly inscribed on the equipment



**adjustable**

no projecting threads after re-tightening due to two-piece bolt connection



**distance fitting**

to avoid entrapment of cords



**starting element of the slide**

enlarged entry area for a safe crossing from climbing to sliding



**Play value**

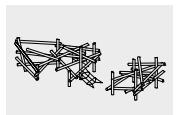
Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.

**Fundamental characteristics**

- natural, strong posts
- no pre-determined play procedures, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise

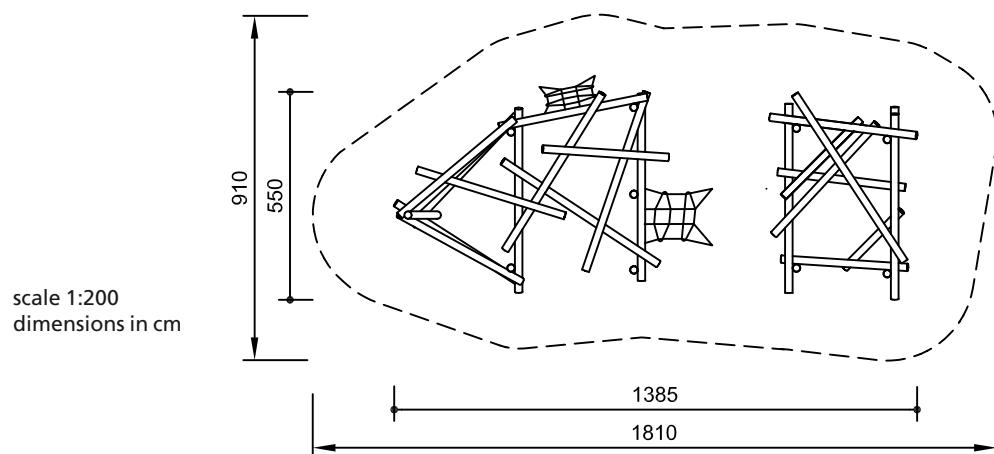
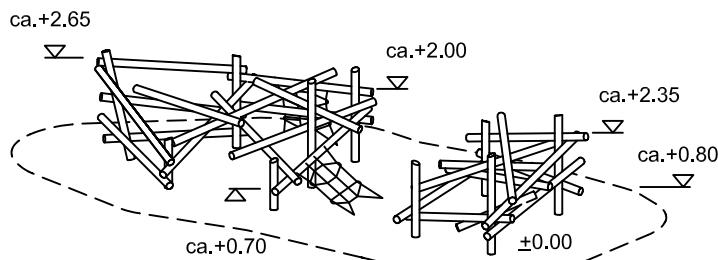
**Climbing Structure 11****Suitable**

- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres

**6.51011**

**Climbing Structure 11**  
Order No. 6.51011

**Height details in meters**



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

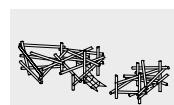
**Components**

pre-fabricated gates  
connecting tie beams  
inclined climbing nets  
fittings

**Dimensions**  
(small deviations possible)

length 13.85 m  
width 5.50 m

**Required space**  
18.10 x 9.10 m



6.51011

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**Corocord® rope**

**special ropes of 'Hercules' type**

six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



**aluminium swages**

double-conical aluminium swages with rounded-off ends



**S clamps**

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



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

**Installation information**

Surfacing requirements corresponding to a fall height of 3.00 m (please refer to price list for more detailed information)

Foundations  
10 items 80 x 80 x 60 cm  
excavation 80 cm  
Inclined Climbing Nets  
2 items 50 x 50 x 40 cm  
excavation 80 cm

**Note**  
**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**  
Subject to technical changes.

**concealed head**

large surface for pressure distribution, prevents water from getting inside, protects the bolt head, easy procurement of spare parts by company trademark indelibly inscribed on the equipment



**adjustable**

no projecting threads after re-tightening due to two-piece bolt connection



**distance fitting**

to avoid entrapment of cords



### **Play value**

Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporates all of them within a flowing play rhythm. Climbing Structures do not only allow for climbing, experiencing height and for having a sensual experience with hands and feet, but they can also be used as a nice seat for relaxing and observing.



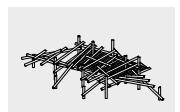
### **Fundamental characteristics**

- natural, strong posts
- no pre-determined play procedures, also able to be used in stages, individual mastering
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise

**Climbing Structure 12**

### **Suitable**

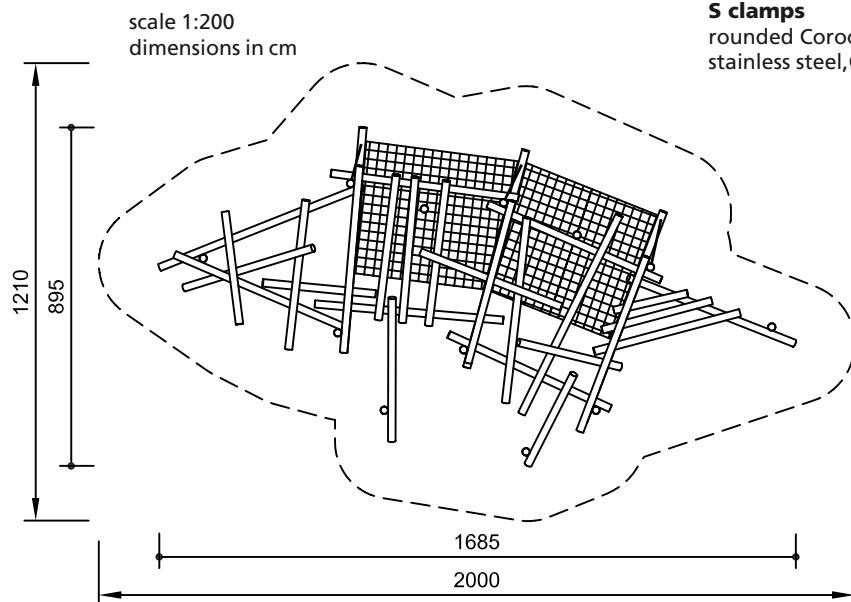
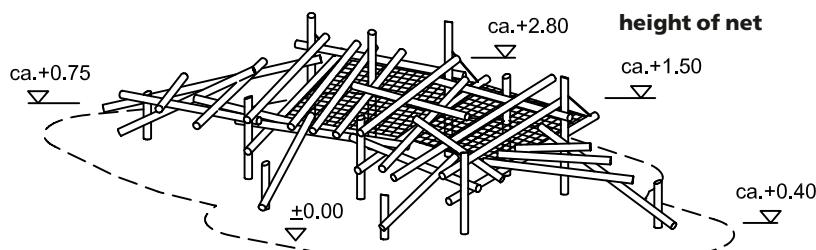
- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres



**6.51012**

**Climbing Structure 12**  
Order No. 6.51012

**Height details in meters**



Safety check and site inspection according to DIN EN 1176 and 'safety in another way'

**Components**

pre-fabricated gates  
connecting tie beams  
nets  
ropes for tensioning  
fittings

**Dimensions**  
(small deviations possible)

length 16.85 m  
width 8.95 m

**Required space**  
20.00 x 12.10 m

**Installation information**

Surfacing requirements  
corresponding to a fall height of 3.00 m  
(please refer to price list for more  
detailed information)

Foundations  
12 items 80 x 80 x 60 cm  
excavation 80 cm

**Note**

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**  
Subject to technical changes.

**Materials**

posts of robinia, Ø 15 - 21 cm

**angle cut**

vertical support posts with angle cut in the end grain section as constructive wood preservation



**Corocord® rope**

**special ropes of 'Hercules' type**  
six-strand Corocord® rope of the  
special 'Hercules' type, abrasion  
protected through heating of the six  
steel strands and melting the polyamide  
sleeve onto them



**aluminium swages**

double-conical aluminium swages with  
rounded-off ends



**S clamps**

rounded Corocord® S clamps made of  
stainless steel, Ø 8 mm



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



6.51012

**concealed head**

large surface for pressure distribution,  
prevents water from getting  
inside, protects the bolt head, easy  
procurement of spare parts by company  
trademark indelibly inscribed on the  
equipment



**adjustable**

no projecting threads after re-tightening due to two-piece bolt  
connection



**distance fitting**

to avoid entrapment of cords



Climbing is like life: beautiful, exciting, dangerous and strenuous. You have to love it all, get fit for it, move confidently and have a goal. Everyone has to seek and find the path to the goal according to their capabilities.

## **Manfred Stein**

Climbing – rising above, gaining height, feeling the butterflies in the stomach when you look down. The scary question: 'And how will I get down again?' But that doesn't matter for now, what matters is the great view from above and the joy that you have reached the top.

## **Karin Bartl**

Climbed up the biggest nut tree alone,  
up to the highest branches,  
they were smooth and clean,  
looked out from above over the leaves.  
I swayed with the wind.  
At one with the world.  
It was a long way going down.

## **Peter Heuken**

Climbing means to be to become totally absorbed in the activity (flow effect). Climbing within nature, with friends and with close contact to the rocks.

## **Stefan Kühn**

Higher, ever higher and not falling down.

## **Wolfgang Ebert**

Conquering the fear of climbing ever higher. Doing it by moving deftly, relying totally just on my own strength.

## **Torsten Frank**

## A field report

### 'Three years of the Timberwood Tangle in the Fridtjof-Nansen-Schule'

A few words on the importance of encouraging exercise in kindergartens and schools.

Children explore their environment through movement. They have to be able to directly experience their environment, by touching it, mobilising all their senses in the practical process of learning about the world around them.

Kindergartens and schools have the tendency to prematurely regiment the exercise activities of the children. Because of the risk of accidents everything should happen slowly and remain clearly arranged. The children's exercise needs are unthinkingly matched to the behavioural patterns of the adults. Contemporary pedagogical concepts regard getting out and exercising as the key to understanding the environment in which they live and regard exercise as having a central function in development. Neuroscientists confirm this claim with evidence from research results which show that learning without movement is not possible.

The pedagogical duty of kindergartens and schools is to support children in their development. It is essential that they are given the opportunity of being able to learn by self-responsible, independent physical and cognitive confrontation with the challenges of our environment.

Hermann Städtler (School director of the FNS and project manager of the Lower Saxony project 'Bewegte Schule (Active School)'.  
[www.bewegteschule.de](http://www.bewegteschule.de))

**The product group 'Timberwood tangle' has had a Quality Seal from the German Federal Working Group on the Development of Posture and Mobilisation Support since 8th February, 2008.**

#### Certification:

#### 'particularly development promoting'

As it is not always easy for the consumer to make a purchase that is worthwhile and lasting, the Quality Seal is intended as help in orientation. This Quality Seal indicates that the products and concepts (indoor and outdoor concepts) support children with regard to their fundamental urge to play, move and discover in varied stimulating, exciting and challenging situations. The particular quality is demonstrated by the LOGO 'besonders entwicklungsfördernd' (particularly development promoting) and made transparent for the consumer.

The tests and the development of test criteria themselves have been overseen by an independent and qualified team of experts

#### Responsibility:

Dr. Dieter Breithecker, Manager of the Federal Working Group on the Development of Posture and Mobilisation Support

Hermann Städtler, Project Manager of the 'Active School' in Lower Saxony

#### Further information:

<http://www.bag-haltungundbewegung.de/760.0.html>  
<http://www.bewegteschule.de>

## Timberwood Tangle

### Concept

The key statements here are:

The climbing behaviour is orientated more towards  
'height'.

### Design characteristics

- standard delivery in mountain larch with steel feet
- very eye catching
- steeply inclined timbers (steeper than 70 °)
- climbing nets integrated into the structure

### So that we can plan such a Timberwood tangle we require the following information:

- plan of site with scale, reference measurements, north point
- particular characteristics of your site
- details of the position of supply lines in the earth or above it
- direction of the timberwood tangle on the site
- if possible, budget guidelines

### Safety

All three versions of the timberwood tangle have been type tested (safety certification has been obtained).

The timberwood tangle must be constructed on-site in accordance with the relevant safety criteria. Due to the different local conditions and the different growth forms of the trunks we recommend a technical inspection authority test on-site following installation.

The equipment can only be climbed by very competent climbers up to a height of 5 m (risk assessment - safety in another way).

### Installation

The following documents are available for installation:

- top elevation with necessary space requirement and safety distance
- perspective drawing
- foundation plan
- installation instructions
- a scale model on loan

The installation of the timberwood tangle can only be carried out by installation companies that have been instructed in safety and installation criteria by us. Instruction is necessary at least for the first time a timberwood tangle is installed.

## Quality Criteria

### de-barked posts

de-barked posts, Ø 16 - 18 cm,  
of mountain larch, selected according  
to eight quality criteria



### angle cut

vertical support posts with angle cut in  
the end grain section as constructive  
wood preservation



### Corocord® rope

#### special ropes of 'Hercules' type

six-strand Corocord® rope of the  
special 'Hercules' type, abrasion  
protected through heating of the six  
steel strands and melting the polyamide  
sleeve onto them



### aluminium swages

double-conical aluminium swages with  
rounded-off ends



### S clamps

rounded Corocord® S clamps made of  
stainless steel, Ø 8 mm



### swing joint

drop-forged swing joint with bush with  
graphite sleeve for self-lubrication and  
integrated swivel



### concealed head

large surface for pressure distribution,  
prevents water from getting  
inside, protects the bolt head, easy  
procurement of spare parts by company  
trademark indelibly inscribed on the  
equipment



### adjustable

no projecting threads after re-  
tightening due to two-piece bolt  
connection



### ground anchor

steel feet hot-dip galvanised



### distance fitting

to avoid entrapment of cords



### in addition at Type 2 and 3

### pendulum seat

with large rubber surface, with a soft,  
protecting edge and steel insert



### Larch

We exclusively use **mountain larch (*larix decidua*)** from the Alps. It grows at a height of 1000 – 1800 meters above sea-level and originates from sustainable cultivation. Since October 2001 our wood supplier has been certified according to EN 45011 PEFC. The certificate confirms that processed and treated coniferous sawn timber and log wood comes from sustainably managed forests.

Larch is officially classed as a moderately rot-resistant wood, considerably more long-lasting than, e.g. spruce and fir, however less long-lasting than oak or, in particular, robinia. However, not all larches are the same.

The larch which we process grows in the mountains at a height of 1000 m above sea level and the physical properties of the wood are far superior to the lowland larch. Because of this it should actually be called *larix decidua montana*.

The advantages of larch grown in the mountains (therefore slowly) are clear:

- tighter growth ring
- fewer resin pockets
- less cracking

therefore a greater solidity and above all a higher durability.

### **Play value**

The Timberwood Tangle is a construction of long trunks standing around as if collected by chance. The trunks lie, hang or stand more or less even on the play area, they have interconnections and create a dynamic structuring of the area. Depending on their self-confidence and on their degree of self-perception, the climbers can climb up high or stay near the ground. Different offers for play and movement deepen the attraction of the installation.



*stand posts for swinging beams made of robinia*



Copyright © Richter Spielgeräte GmbH 2013

Design P. Hannes

The Timberwood Tangle promotes physical skill, perception of body and space. It strengthens the self-confidence of children who take and master the challenge according to their feeling. The size of the Timberwood Tangle can be designed variably according to the number of children playing on it.

**Timberwood Tangle  
Type 1**

### **Fundamental characteristics**

- natural posts
- no pre-determined use, individual mastering and use
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise, swinging

### **Suitable**

- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks

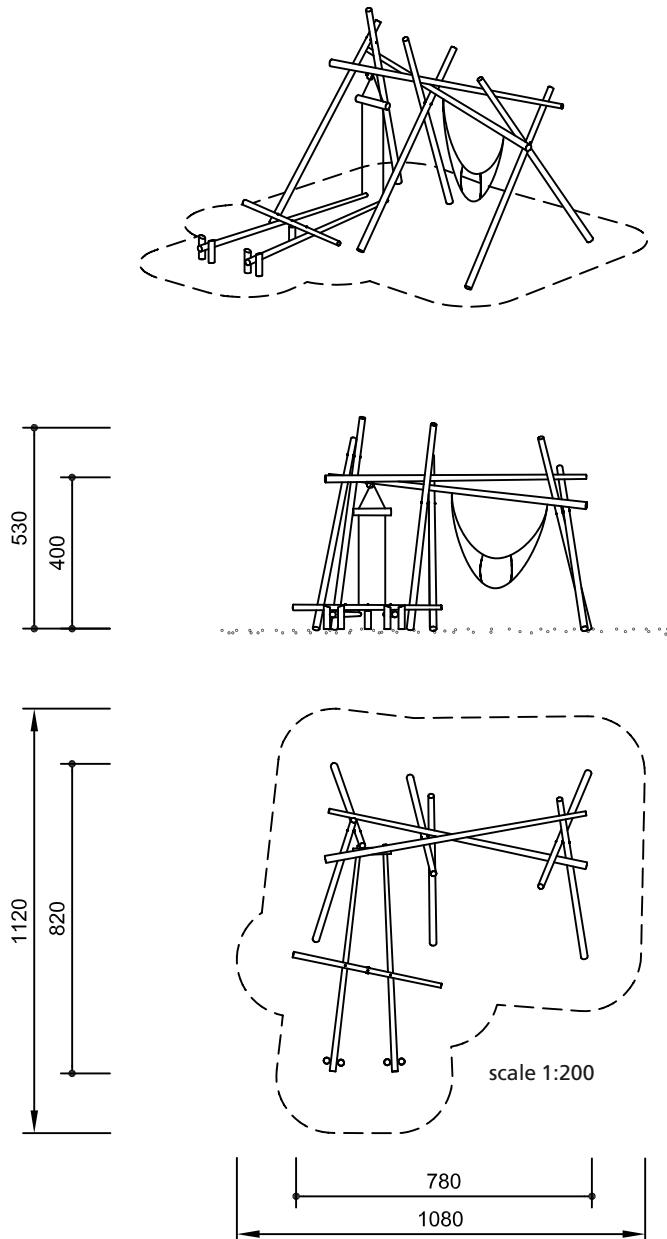


**6.50000**

### Timberwood Tangle

Type 1

Order No. 6.50000



Subject to technical changes. Safety check according to DIN EN 1176 and 'safety in another way'

### Components

pre-fabricated support frames  
with steel feet  
posts  
stand posts for  
swinging beams made of robinia  
suspended rope construction  
monkey swing  
fittings

### Installation information

Surfacing requirements  
corresponding to a fall height of 3.00 m  
(please refer to price list for more  
detailed information)

Foundations  
4 items 80 x 80 x 60 cm  
excavation 80 cm  
5 items 80 x 100 x 60 cm  
excavation 80 cm

### Note

**The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us.**

Subject to technical changes.



6.50000

### Material of all types

#### de-barked posts

de-barked posts, Ø 16 - 18 cm,  
of mountain larch, selected according  
to eight quality criteria, stand posts for  
swinging beams made of robinia



#### angle cut

vertical support posts with angle cut in  
the end grain section as constructive  
wood preservation



#### Corocord® rope

**special ropes of 'Hercules' type**  
six-strand Corocord® rope of the special  
'Hercules' type, abrasion protected



#### aluminium swages

double-conical aluminium swages with  
rounded-off ends



#### S clamps

rounded Corocord® S clamps made of  
stainless steel, Ø 8 mm



#### swing joint

drop-forged swing joint with bush with  
graphite sleeve for self-lubrication and  
integrated swivel



#### concealed head

large surface for pressure distribution,  
prevents water from getting  
inside, protects the bolt head, easy  
procurement of spare parts by company  
trademark indelibly inscribed on the  
equipment



#### adjustable

no projecting threads after re-  
tightening due to two-piece bolt  
connection



#### ground anchor

steel feet hot-dip galvanised



#### distance fitting

to avoid entrapment of cords



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

### **Play value**

The Timberwood Tangle is a construction of long trunks standing around as if collected by chance. The trunks lie, hang or stand more or less even on the play area, they have interconnections and create a dynamic structuring of the area. Depending on their self-confidence and on their degree of self-perception, the climbers can climb up high or stay near the ground. Different offers for play and movement deepen the attraction of the installation.



Copyright © Richter Spielgeräte GmbH 2013

Design P. Hannes

The Timberwood Tangle promotes physical skill, perception of body and space. It strengthens the self-confidence of children who take and master the challenge according to their feeling. The size of the Timberwood Tangle can be designed variably according to the number of children playing on it.

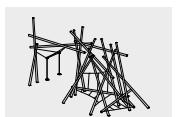
### **Fundamental characteristics**

- natural, strong posts
- no pre-determined use, individual mastering and use
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise, swinging back and forth

### **Suitable**

- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres

**Timberwood Tangle  
Type 2**

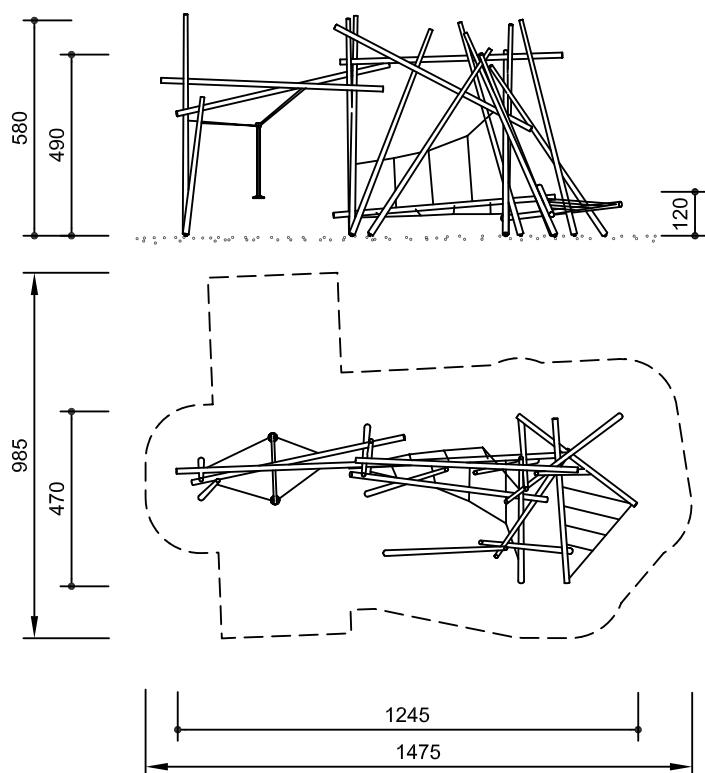
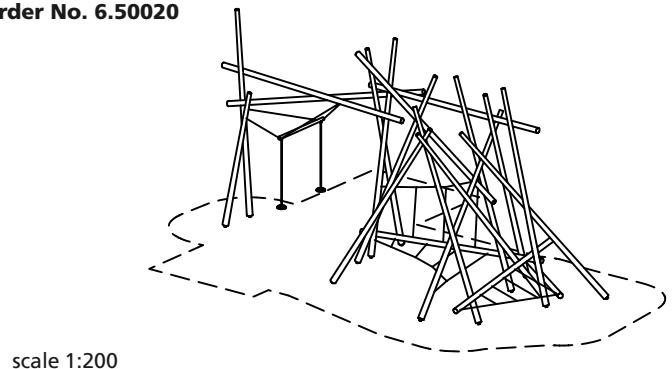


**6.50020**

### Timberwood Tangle

Type 2

Order No. 6.50020



Subject to technical changes. Safety check according to DIN EN 1176 and 'safety in another way'

### Components

pre-fabricated support frames  
with steel feet  
stand posts with steel feet  
posts  
see-saw swing with 2 pendulum seats  
nets  
fittings



6.50020

### Installation information

Surfacing requirements  
corresponding to a fall height of 3.00 m  
(please refer to price list for more  
detailed information)

Foundations  
3 items 80 x 80 x 60 cm  
2 items 100 x 100 x 60 cm  
1 item 80 x 180 x 60 cm  
4 items 80 x 100 x 60 cm  
1 item 80 x 130 x 60 cm  
excavation each 80 cm

### Materials

#### de-barked posts

de-barked posts, Ø 16 - 18 cm, of  
mountain larch, selected according to  
eight quality criteria



#### angle cut

vertical support posts with angle cut in  
the end grain section as constructive  
wood preservation



#### Corocord® rope

special ropes of 'Hercules' type  
six-strand Corocord® rope of the special  
'Hercules' type, abrasion protected



#### aluminium swages

double-conical aluminium swages with  
rounded-off ends



#### S clamps

rounded Corocord® S clamps made of  
stainless steel, Ø 8 mm



#### swing joint

drop-forged swing joint with bush with  
graphite sleeve for self-lubrication and  
integrated swivel



#### concealed head

large surface for pressure distribution,  
prevents water from getting  
inside, protects the bolt head, easy  
procurement of spare parts by company  
trademark indelibly inscribed on the  
equipment



#### adjustable

no projecting threads after re-  
tightening due to two-piece bolt  
connection



#### ground anchor

steel feet hot-dip galvanised



#### distance fitting

to avoid entrapment of cords



#### pendulum seat

with large rubber surface, with a soft,  
protecting edge and steel insert



### Dimensions (small deviations possible)

total height 5.80 m  
length 12.45 m  
width 4.70 m

**Required space** 14.75 x 9.85 m

#### Note

The climbing structure is an  
individual construction which is  
only partly pre-assembled in our  
workshop. Therefore, the  
installation needs to be carried  
out by an installation company  
authorised by us.

Subject to technical changes.

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

### **Play value**

The Timberwood Tangle is a construction of long trunks standing around as if collected by chance. The trunks lie, hang or stand more or less even on the play area, they have interconnections and create a dynamic structuring of the area. Depending on their self-confidence and on their degree of self-perception, the climbers can climb up high or stay near the ground. Different offers for play and movement deepen the attraction of the installation.



Copyright © Richter Spielgeräte GmbH 2013

Design P. Hannes

The Timberwood Tangle promotes physical skill, perception of body and space. It strengthens the self-confidence of children who take and master the challenge according to their feeling. The size of the Timberwood Tangle can be designed variably according to the number of children playing on it.

### **Fundamental characteristics**

- natural, strong posts
- no pre-determined use, individual mastering and use
- incentive for playing: strong, challenging construction
- movement: climbing, balancing, doing exercise, oscillating, swinging

### **Suitable**

- for children from 6 years and teenagers
- for schools
- institutions for young people
- sports grounds
- leisure areas
- parks
- tourist centres

**Timberwood Tangle  
Type 3**

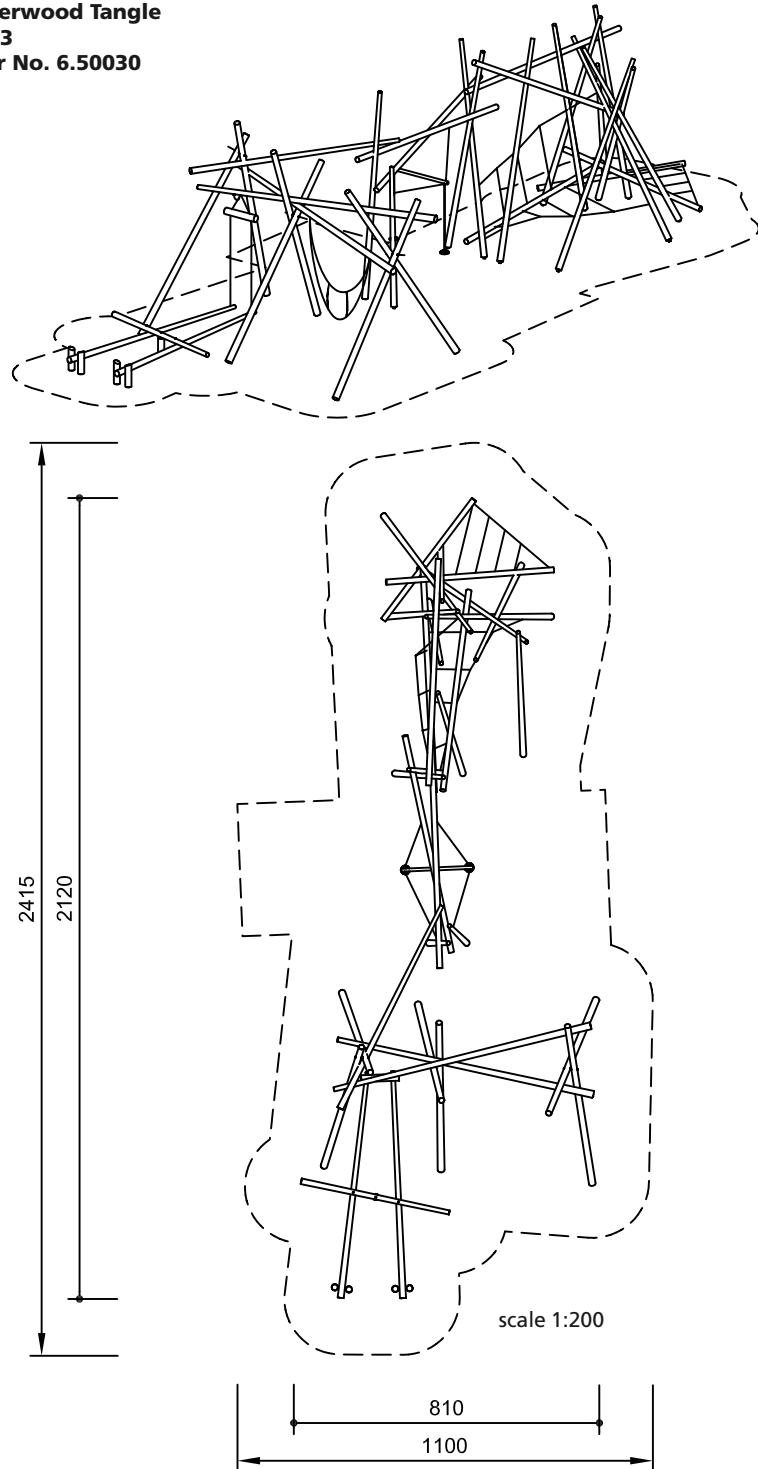


**6.50030**

### Timberwood Tangle

Type 3

Order No. 6.50030



Subject to technical changes. Safety check according to DIN EN 1176 and 'safety in another way'

### Components

pre-fabricated support frames  
with steel feet  
stand posts with steel feet  
stand posts for swinging beams  
posts  
suspended rope construction  
see-saw swing with 2 pendulum seats  
nets  
monkey swing  
fittings



6.50030

### Installation information

Surfacing requirements  
corresponding to a fall height of 3.00 m  
(please refer to price list for more  
detailed information)

Foundations  
7 items 80 x 80 x 60 cm  
2 items 100 x 100 x 60 cm  
1 item 80 x 180 x 60 cm  
9 items 80 x 100 x 60 cm  
1 item 80 x 130 x 60 cm  
excavation each 80 cm

### Materials

#### de-barked posts

de-barked posts, Ø 16 - 18 cm,  
of mountain larch, selected according  
to eight quality criteria



#### angle cut

vertical support posts with angle cut in  
the end grain section as constructive  
wood preservation



#### Corocord® rope

special ropes of 'Hercules' type  
six-strand Corocord® rope of the special  
'Hercules' type, abrasion protected



#### aluminium swages

double-conical aluminium swages with  
rounded-off ends



#### S clamps

rounded Corocord® S clamps made of  
stainless steel, Ø 8 mm



#### swing joint

drop-forged swing joint with bush with  
graphite sleeve for self-lubrication and  
integrated swivel



#### concealed head

large surface for pressure distribution,  
prevents water from getting  
inside, protects the bolt head, easy  
procurement of spare parts by company  
trademark indelibly inscribed on the  
equipment



#### adjustable

no projecting threads after re-  
tightening due to two-piece bolt  
connection



#### ground anchor

steel feet hot-dip galvanised



#### distance fitting

to avoid entrapment of cords



#### pendulum seat

with large rubber surface, with a soft,  
protecting edge and steel insert



### Dimensions

(small deviations possible)

total height	5.80 m
length	8.10 m
width	21.20 m

**Required space** 11.00 x 24.15 m

### Note

The climbing structure is an  
individual construction which is  
only partly pre-assembled in our  
workshop. Therefore, the  
installation needs to be carried  
out by an installation company  
authorised by us.

Subject to technical changes.

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

Climbing is contact with  
gravity  
balance  
flexibility

**Michael Möckel**

Being on top  
looking down  
looking into the distance  
having the overview.

**Maria Guggenbichler**

Who doesn't remember the lofty favourite place of their childhood, the highest place at the edge of the woods - a place where early in the morning you could go up the platform with Grandad and watch deer and pheasants after climbing up a wobbly ladder with an uneasy feeling. Or the comfortable branch fork in the tree behind the house where you could just hang around and feel like Tarzan.

**Karin Bartl**

For us people, climbing is movement in two directions.  
Back to the developmental beginnings and up above to the unobtainable goal.

**Jörg Gaier**

Climbing is of itself an extraordinary matter. There are only two opportunities to experience moving freely in a three-dimensional space as a person – other than weightlessness: diving under water and, indeed, by climbing in a tree or on a climbing net.

**Andreas Aschmann**

When I think about climbing I think of fruit trees with their wild spread of branches which offer a fantastic opportunity for us kids to see the world from above.

**Julian Richter Jr.**

## No risk, no fun - the most important game with its boundaries

Characteristic for the development of children is seeking and accepting challenges. *In the course of a movement such as climbing*, they test all their possibilities. Experience, success and failure are equally necessary for the complete developmental process. The closeness to risks and learning the corresponding self-protective behaviours are a vital part of life.

We make a conscious appeal not to underestimate and restrict the capabilities and the needs of children to experience and tryout things in tricky situations by over-cautious measures. The over-cautiousness that we, as adults, too often practice prevents children obtaining the necessary self-confidence which they need for future life. Courage does you good!

However, the balance between helping and protecting and courage, openness and risk-taking poses a great challenge for all those people who have the responsibility and is one which should under no account be shirked.

Dr. Dieter Breithecker  
Federal Institution for Posture and Mobilisation  
Support, Wiesbaden, Germany

## Climbing Forest

### Concept

- Climbing in lofty height or just over the ground
- Climbing trunks and ropes are the basic elements, best if they are 'planted' between large living trees.
- For public accessible and unsupervised areas. The climbing forest is not a high ropes course. Therefore no helmet or safety belt is necessary.

### Design characteristics

- individually planned installation with graded difficulty levels for big and small
- logs from 100 – 200 year old oak trees in natural growth form, therefore larger variety of height and span width is possible
- handcrafted with a clear message: function defines form

### So that we can plan a Climbing Forest we require the following information:

- plan of site with scale, reference measurements, north point
- where necessary, tree register, photos
- details of the position of supply lines in the earth or above it
- if possible, budget guidelines

### Safety

The Climbing Forest is delivered according to the up-to-date Play Equipment standard EN 1176-2008. A safety inspection and safety approval can be carried out following installation on-site. As laid down in the standard there is no free fall height over 3 m. Over this net tunnels are used.

### Installation

Installation takes place in three steps:

1. earth and foundation work
2. installation of the logs and evaluation of the
3. installation of the ropes

## Quality Criteria

### angle cut

vertical support posts with angle cut in the end grain section as constructive wood preservation



### Fürstenberg Permadur System

In particular cases such as equipment with a single support and with climbing forest posts we additionally use the Fürstenberg Permadur System.



### core-free timber

sawn-timbers are core-free, by that formation of cracks can be reduced



### Corocord® rope

#### special ropes of 'Hercules' type

six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



### Hercules rope

In the manufacture a combination of steel and polyamide yarn for the sleeve. Four or six strands depending on usage.



### aluminium swages

double-conical aluminium swages with rounded-off ends



### S clamps

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



### universal joint

drop-forged joint yoke; the universal joint insert consists of two swing bearings



### rope connection rotating

close fitting connection without dangerous openings, with integrated swivel, the bearing consists of one brass bush



### adjustable

no projecting threads after re-tightening due to two-piece bolt connection



### brass bush

for all to and fro movements we use bush bearings which allow for self-lubrication while in use



### chains

suspended on short-link chains, welded before hot-dip galvanisation (stainless steel chains available on request)



### Oak

The oak timber which we use for our play equipment comes mostly from the **common oak (Quercus robur)** also called the pedunculate oak.

The common oak is a 40 meter high tree which can have a trunk diameter of up to three meters. It can reach an age of 500 to 1000 years. In exceptional cases up to 1400 years.

Oak wood is hard, very durable and good to work with. It can be used in many versatile ways: as construction timber, in hydraulic engineering, for railway sleepers and for stakes and masts.

The oak wood is officially classed as being particularly resistant to wood destroying insects and fungi. Its durability is only surpassed by a few tropical woods and robinia. To further improve the natural durability of the oak posts we additionally use the patented **Fürstenberg Permadur system** in the earth/air zone as a technical wood protective measure.

Alongside these excellent properties it must be noted that due to the higher tannic acid content of oak wood a higher quality, and therefore more expensive, corrosion protection is required for the fastening and fitting parts.

**For more detailed explanation of the quality characteristics please refer to our price list.**

### Play value

Climbing together, moving hand over hand and balancing requires skill and caution. Meeting someone on the swaying ropes makes it necessary for you to coordinate with them.

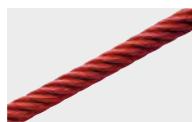
How are we now going to get past or go around each other on this rope? Do you want to, shall I, or shall we try it together?

Moving around or going straight ahead without touching the ground offers the possibility of endless role plays.



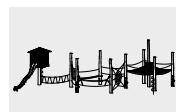
### Suitable

- for children from 6 years and teenagers
- for leisure areas
- institutions for young people
- schools
- sports grounds
- parks
- tourist centres



*Standard colour red*

### Climbing Forest



## Materials

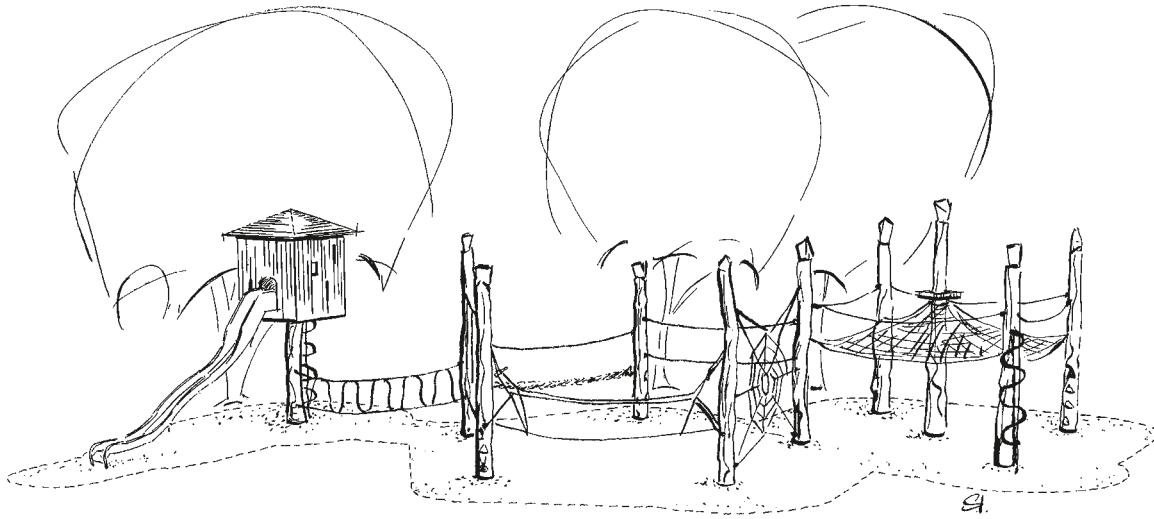
posts made of oak are splint milled whereby the bark, cambium and sap wood is removed

### angle cut

vertical support posts with angle cut in the end grain section as constructive wood preservation



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



## Required space

approx. ca. 25.90 x 14.30 m

## Components

Individually tailored site plan, peg out plane and rope plan foundation recommendations installation instructions oak logs, pre-machined, ready for final assembly pre-assembled wood elements assembled rope and rope elements

## Installation information

Surfacing requirements corresponding to a fall height of 3 m (please refer to price list for more detailed information)

Foundations according to height and span, depending on the soil class approx. 100 x 100 x 130 - 100 x 100 x 230 cm



10.80001

### chains

suspended on short-link chains, welded before hot-dip galvanisation (stainless steel chains available on request)



43

### adjustable

no projecting threads after re-tightening due to two-piece bolt connection



30

### brass bush

for all to and fro movements we use bush bearings which allow for self-lubrication while in use



33

### core-free timber

sawn-timbers are core-free, by that formation of cracks can be reduced



### Fürstenberg Permadur System

In particular cases such as equipment with a single support and with climbing forest posts we additionally use the Fürstenberg Permadur System.

### Corocord® rope

**special ropes of 'Hercules' type**  
six-strand Corocord® rope of the special 'Hercules' type, abrasion protected



### Hercules rope

In the manufacture a combination of steel and polyamide yarn for the sleeve. Four or six strands depending on usage.



### aluminium swages

double-conical aluminium swages with rounded-off ends



### S clamps

rounded Corocord® S clamps made of stainless steel, Ø 8 mm

### universal joint

drop-forged joint yoke; the universal joint insert consists of two swing bearings



### rope connection rotating

close fitting connection without dangerous openings, with integrated swivel, the bearing consists of one brass bush



### adjustable

no projecting threads after re-tightening due to two-piece bolt connection



### Play value

Climbing together, moving hand over hand and balancing requires skill and caution. Meeting someone on the swaying ropes makes it necessary for you to coordinate with them.

How are we now going to get past or go around each other on this rope? Do you want to, shall I, or shall we try it together?

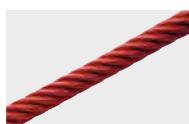
Moving around or going straight ahead without touching the ground offers the possibility of endless role plays.

### Suitable

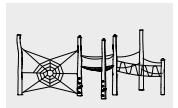
- for children from 6 years and teenagers
- for leisure areas  
institutions for young people  
schools  
sports grounds  
parks  
tourist centres



**Climbing Forest**



*Standard colour red*



**10.80002**

## Materials

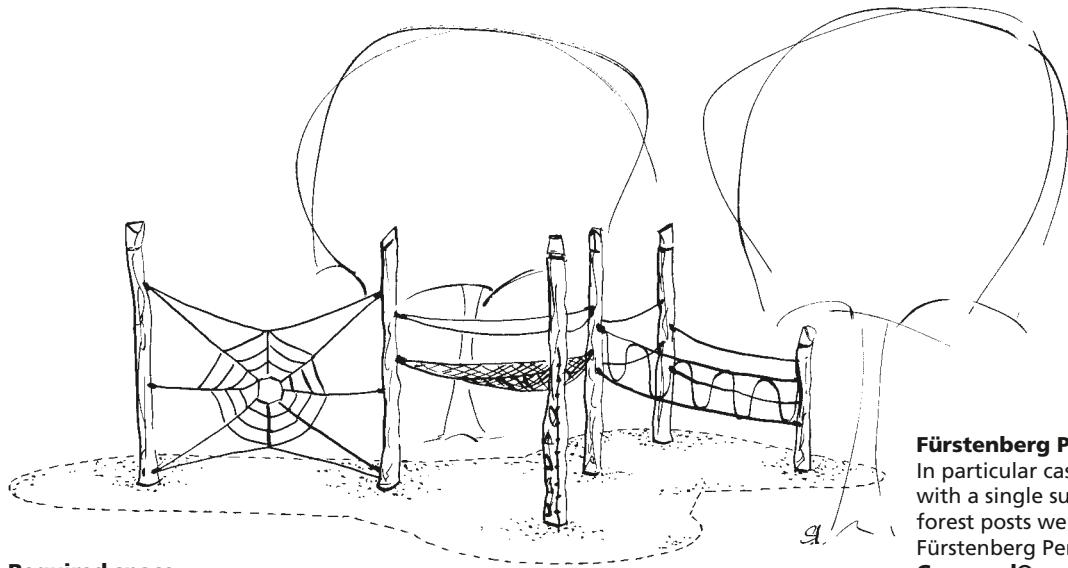
posts made of oak are splint milled whereby the bark, cambium and sap wood is removed

### angle cut

vertical support posts with angle cut in the end grain section as constructive wood preservation



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



### Required space

approx. ca. 15.90 x 10.20 m

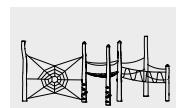
### Components

Individually tailored site plan, peg out plane and rope plan foundation recommendations installation instructions oak logs, pre-machined, ready for final assembly pre-assembled wood elements assembled rope and rope elements

### Installation information

Surfacing requirements corresponding to a fall height of 3 m (please refer to price list for more detailed information)

Foundations according to height and span, depending on the soil class approx. 100 x 100 x 130 - 100 x 100 x 230 cm



10.80002

### Fürstenberg Permadur System

In particular cases such as equipment with a single support and with climbing forest posts we additionally use the Fürstenberg Permadur System.



### Corocord® rope

**special ropes of 'Hercules' type**  
six-strand Corocord® rope of the special 'Hercules' type, abrasion protected



### Hercules rope

In the manufacture a combination of steel and polyamide yarn for the sleeve. Four or six strands depending on usage.



### aluminium swages

double-conical aluminium swages with rounded-off ends



### S clamps

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



### universal joint

drop-forged joint yoke; the universal joint insert consists of two swing bearings



### rope connection rotating

close fitting connection without dangerous openings, with integrated swivel, the bearing consists of one brass bush



### adjustable

no projecting threads after re-tightening due to two-piece bolt connection



### brass bush

for all to and fro movements we use bush bearings which allow for self-lubrication while in use



### chains

suspended on short-link chains, welded before hot-dip galvanisation (stainless steel chains available on request)





### Play value

Climbing together, moving hand over hand and balancing requires skill and caution. Meeting someone on the swaying ropes makes it necessary for you to coordinate with them.

How are we now going to get past or go around each other on this rope? Do you want to, shall I, or shall we try it together?

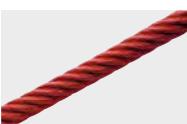
Moving around or going straight ahead without touching the ground offers the possibility of endless role plays.

### Suitable

- for children from 6 years and teenagers
- for leisure areas  
institutions for young people  
schools  
sports grounds  
parks  
tourist centres



**Climbing Forest**



Standard colour red



**10.80003**

## Materials

posts made of oak are splint milled whereby the bark, cambium and sap wood is removed



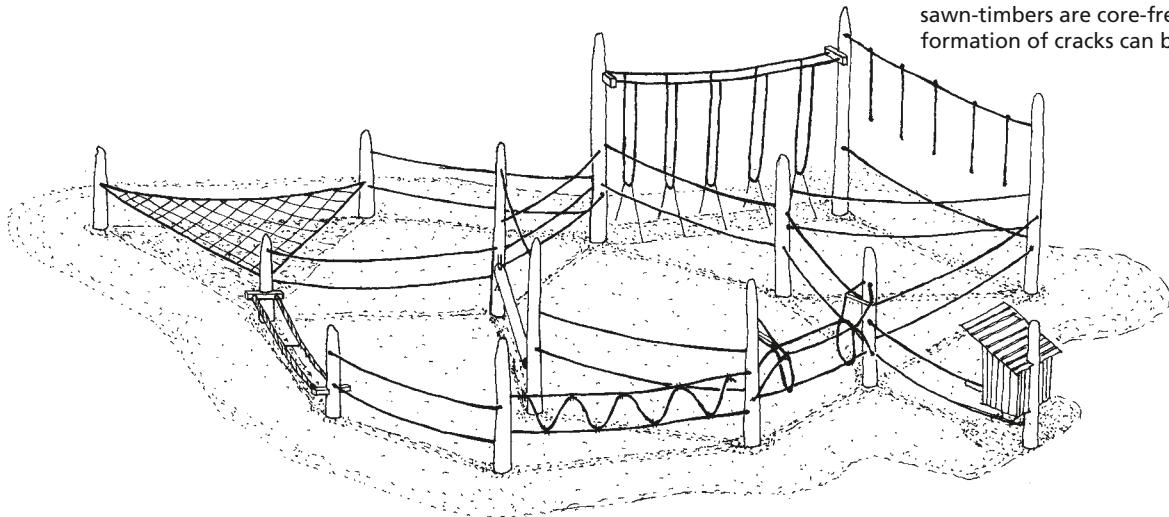
### angle cut

vertical support posts with angle cut in the end grain section as constructive wood preservation



### core-free timber

sawn-timbers are core-free, by that formation of cracks can be reduced



## Required space

approx. 23.00 x 13.00 m

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

## Components

Individually tailored site plan, peg out plane and rope plan foundation recommendations installation instructions oak logs, pre-machined, ready for final assembly pre-assembled wood elements assembled rope and rope elements

## Installation information

Surfacing requirements corresponding to a fall height of 3 m (please refer to price list for more detailed information)

Foundations according to height and span, depending on the soil class approx. 100 x 100 x 130 - 100 x 100 x 230 cm



10.80003

## Fürstenberg Permadur System

In particular cases such as equipment with a single support and with climbing forest posts we additionally use the Fürstenberg Permadur System.



### Corocord® rope

**special ropes of 'Hercules' type**  
six-strand Corocord® rope of the special 'Hercules' type, abrasion protected



### 'Hercules' rope

In the manufacture a combination of steel and polyamide yarn for the sleeve. Four or six strands depending on usage.



### aluminium swages

double-conical aluminium swages with rounded-off ends



### S clamps

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



### universal joint

drop-forged joint yoke; the universal joint insert consists of two swing bearings



### rope connection rotating

close fitting connection without dangerous openings, with integrated swivel, the bearing consists of one brass bush



### adjustable

no projecting threads after re-tightening due to two-piece bolt connection



### brass bush

for all to and fro movements we use bush bearings which allow for self-lubrication while in use



### chains

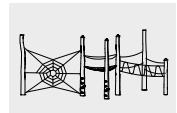
suspended on short-link chains, welded before hot-dip galvanisation (stainless steel chains available on request)





Standard colour red

[Play images](#)



### Climbing Forest Elements



Trunk with Steps



Climbing Trunk



Indian Ladder



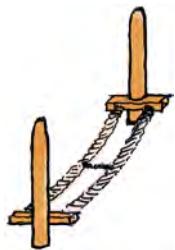
Knot Rope



Rope Ladder  
for Lookout



Walk Rope  
with Hand Rope



Double Coconut Rope



Coconut Walk Rope  
with Hand Rope



Parallel Rope



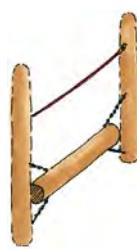
Grip Ropes  
with Walk Rope



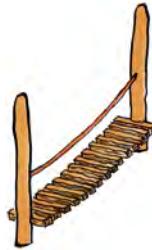
Dangling Walk



Balance Beam  
with Grip Ropes



Balance Beam  
with lateral  
Hand Rope



Suspension Bridge  
with Hand Rope



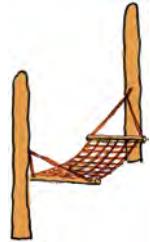
Nepalese Rope  
Bridge



Three Rope Bridge



Grip Rings



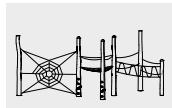
Hammock

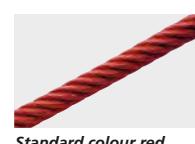


Net Tunnel  
Element



Swing



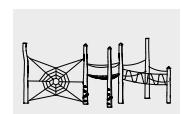


**Play images**

Design W. Graubner



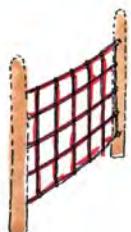
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### Climbing Forest Elements



Spiderweb



Vertical  
Climbing Net



Horizontal  
Climbing Net



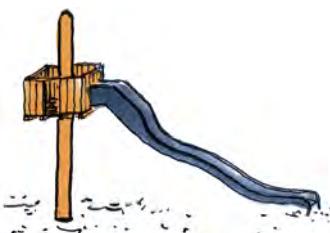
Lookout over  
Horizontal  
Climbing Net



Lookout



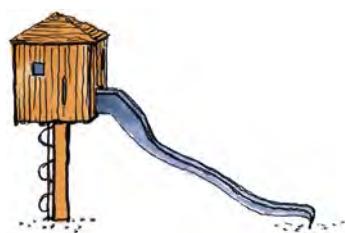
Small Crow's Nest



Large Crow's Nest  
with Slide, 3.00 m



Tree House  
with Indian Ladder



Tree House  
with Slide, 3.00 m  
and Indian Ladder



Nest Box



Two-Storey Tree House  
with Indian Ladder



Long Tree House with  
Net Tunnel as way up



Net Tunnel  
as way up



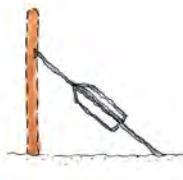
Double Hammock Seat



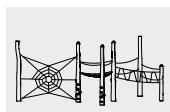
Horizontal Bar



Rope Bar



Whisk



## **Individual climbing equipment**

If you talk about climbing then I immediately think about my daughter who, at five years old, loved playing leopard and was always climbing in her 'leopard tree'.

**Julian Richter Jr.**

Climbing  
takes strength and effort  
always has a clear goal  
is also a duel  
requires hands and feet  
doesn't let you do anything else  
animals can do it better than people.

**Reinhard Matthay**

How wonderful it is as a child to secretly steal away to climb up somewhere, up some rocks or up a tree. How brave you feel when you sit in the fork of the branch which you previously looked up at from below. How great this new perspective of the world below is, as well as the anxious looking adults.

**Steffi Idler**

There's always that fundamental urge to climb (for a better view?) It begins already with the small(est) child and the table.

**Martina Mentzel**

The best thing about climbing is the movement, that certain risk you take. You have to have control over your body and have to be highly concentrated to avoid falls then climbing is really fun!

**Josef Weber Jr.**

Climbing is not just moving upwards!

**Hermann Städtler**

## Quality Criteria

### core-free timber

cut timber of mountain larch, selected according to eight quality criteria, core-free thus decreasing the occurrence of cracking



### claddings

thickness 3 - 4.5 cm, de-barked by hand, of mountain larch, selected according to eight quality criteria



### tongue and groove

floor made of 40 mm tongue and groove boarding



### larch plywood

three-layer waterproof plywood made of larch, 30 mm



### ground anchor

steel tubes hot-dip galvanised



## Individual equipment

The contents above show equipment for climbing in **large structures**.

Below you will find information on **individual equipment** which promotes climbing in a special way.



#### Play value

Up and down – the Dwarf Hill provides a good practice area for basic exercises, such as climbing, standing on top and sliding. This promotes coordination as well as body awareness.

#### Fundamental characteristics

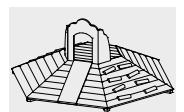
- child-oriented dimensions
- appealing design and construction
- natural wooden surface which appeals to the senses
- movement: climbing with different degrees of difficulty, standing high on top
- can also be used instead of a mound

#### Suitable

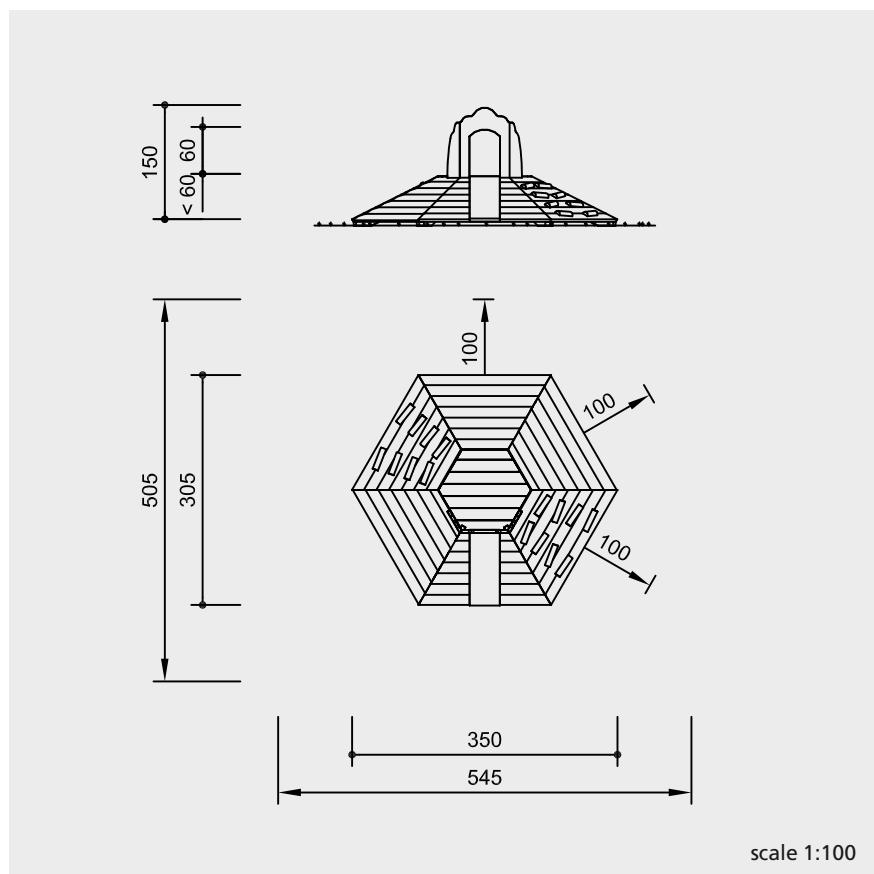
- for small children's areas of:  
public playgrounds  
playgrounds situated near houses  
kindergartens  
children's homes  
- nurseries



Dwarf Hill



4.06000



Safety check according to EN 1176

## Components

2 parts of the hill  
with stainless steel incline  
and climbing aids  
1 floor  
1 gate

## Installation information

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

Foundations  
not necessary

**Attention!**  
**Exact measurements may vary, for  
all installation dimensions refer to  
current installation instructions.**  
Subject to technical changes!

## Materials

equipment made of mountain larch,  
selected according to eight quality  
criteria

### core-free timber

sawn-timbers core-free, thus  
decreasing the occurrences of cracking



### claddings

thickness 3 - 4.5 cm, de-barked by hand



### tongue and groove

floor made of 40 mm tongue and  
groove boarding



### plywood

gate made of larch plywood board  
30 mm, waterproof



### stainless steel incline

made of stainless steel

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



4.06000



### Play value

Standing on top of the Little Mountain after climbing it in many different ways, gives rise to an unexpected feeling of freedom. The special construction makes a safety-related fall height unnecessary, which is why no barriers are required. The wooden slopes, each constructed in a different way, entice children to climb them. The fun slide ensures they get down quickly. The design of the Little Mountain lends a delightful character to any play area for the smallest child.

### Fundamental characteristics

- child-oriented dimensions
- appealing design and construction
- natural wooden surface which appeals to the senses
- movement: climbing with different degrees of difficulty, standing high on top, sliding
- can also be used instead of a mound

### Suitable

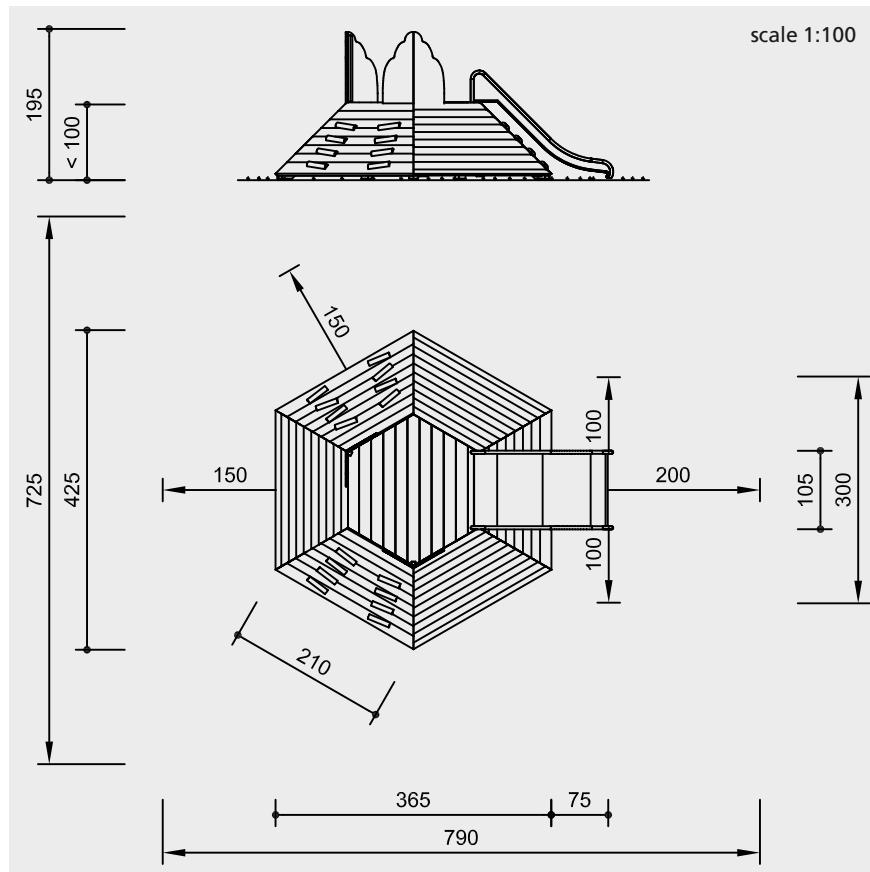
- for small children's areas of:  
public playgrounds  
playgrounds situated near houses  
kindergartens  
children's homes  
- nurseries



**Little Mountain**



**4.06010**



Safety check according to EN 1176

### Components

2 parts of the mountain partly with climbing aids  
1 floor with 1 frame  
2 walls  
1 wide slide with ground anchor fixings  
height 1.00 m, width 1.00 m

### Installation information

Surfacing requirements corresponding to a fall height of < 1.00 m  
(please refer to price list for more detailed information)

Foundations not necessary  
**Slide**  
excavation depth for ground anchor 55 cm

**Attention!**  
**Exact measurements may vary, for all installation dimensions refer to current installation instructions.**  
Subject to technical changes!

### Materials

equipment made of mountain larch, selected according to eight quality criteria

#### core-free timber

sawn-timbers core-free, thus decreasing the occurrences of cracking



#### claddings

thickness 3 -4.5 cm, de-barked by hand



#### tongue and groove

floor made of 40 mm tongue and groove boarding



#### plywood

leaves made of larch plywood board 30 mm, waterproof



#### Slide

total construction made of stainless steel, thickness of the sides 2 mm, thickness of sliding surface 2.5 mm

### Dimensions (small deviations possible)

total height	1.95 m
height of mountain	< 1.00 m
length	4.40 m
width	4.25 m
slide	width 1.00 m
weight	approx. 570 kg



4.06010

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



### **Play value**

The Climbing Wall represents an attractive challenge which can be climbed from both sides and offers various degrees of difficulty. The differently designed surface structure and the various elements to step and hold onto offer a patch conforming to everybody's courage. The Climbing Wall can be extended and in the angle modified between 60 ° and 90 ° conforming to design requirements. It separates play areas and is suited as space-forming element.

### **Fundamental characteristics**

- sturdy construction allows for free-standing installation
- can be climbed from both sides
- space-forming element
- incentive for playing: climbing grips, height, connecting element
- movement: climbing

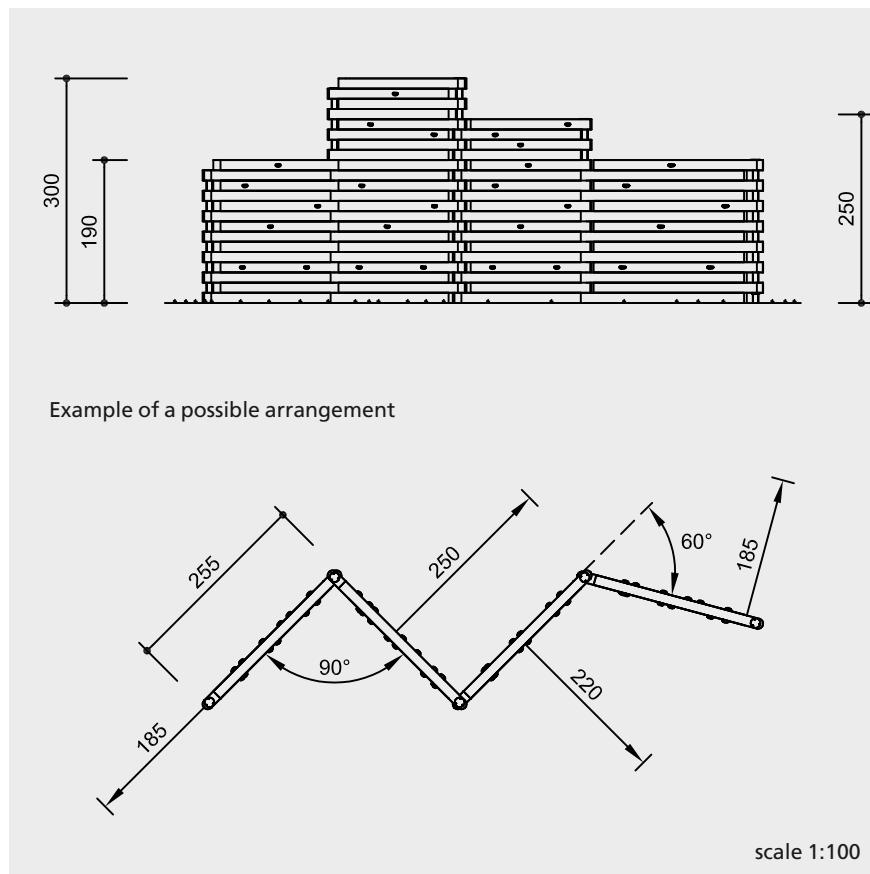
### **Suitable**

- for children from 8 years
- for public playgrounds
- schools
- nurseries
- leisure areas
- open-air swimming pools



**Climbing Wall**  
with 2 or 4 elements





Example of a possible arrangement

Safety check according to EN 1176

## Components

### Order No. 7.77010

#### Climbing Wall with 2 elements

2 wall elements, height 1.90 m  
of 2 x 7 double-layer modules  
with grips

3 steel tubes as ground anchors

### Order No. 7.77060

#### Climbing Wall with 4 elements

4 wall elements in the heights of  
1.90 m/3.00 m/2.50 m/1.90 m  
of 2 x 7, 1 x 11 and 1 x 9 double-layer  
modules, with grips

5 steel tubes as ground anchors

## Installation information

Surfacing requirements  
corresponding to a fall height of  
1.90 to max. 3 m  
(please refer to price list for more  
detailed information)

### Foundations

#### Order No. 7.77010 with 2 elements

3 items 100 x 100 x 30 cm  
excavation 70 cm

#### Order No. 7.77060 with 4 elements

5 items 100 x 100 x 30 cm  
excavation 70 cm

The wall elements have to be installed  
angular to guarantee stability; the  
standard anchors are sufficient for angles  
of 60 ° - 90 °.

### Attention!

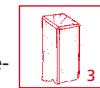
**Exact measurements may vary, for  
all installation dimensions refer to  
current installation instructions.**

Subject to technical changes.

## Materials

### core-free timber

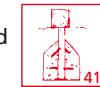
cut timber of mountain larch, selected  
according to eight quality criteria, core-  
free thus decreasing the occurrence of  
cracking



walls in block construction of square  
timbers 14/14 cm

### ground anchor

steel tubes Ø 78 mm hot-dip galvanised



### climbing aids:

- professional climbing grips made  
of a mixture of sand/synthetic resin  
with anti-rotation system against  
unintended twisting of the grips

## Dimensions

(small deviations possible)

### Order No. 7.77010

#### Climbing Wall with 2 elements

height	1.90 m
element width	2.55 m
weight	approx. 1,000 kg

### Order No. 7.77060

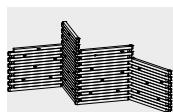
#### Climbing Wall with 4 elements

height	2 x 1.90 m 1 x 2.50 m 1 x 3.00 m
element width	2.55 m
weight	approx. 2500 kg

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



7.77010



7.77060

### Play value

Climbing poles of equal length are centrally arranged, offering children and adolescents competitive play opportunities. The reward for climbing is the ringing of a bell at the top when it is tapped. Boys in particular, like measuring their strengths and skills and for this reason the Bell Climbing Poles are suited to the teenager's area.

### Fundamental characteristics

- unique and original
- part of the components is a damped anchorage which enables swinging of the free standing poles
- incentive for playing: tapping the bell
- movement: Climbing

### Suitable

- for children from 6 years and teenagers
- for public playgrounds  
school playgrounds  
open-air swimming pools  
parks  
institutions for young people



**Bell Climbing Poles**



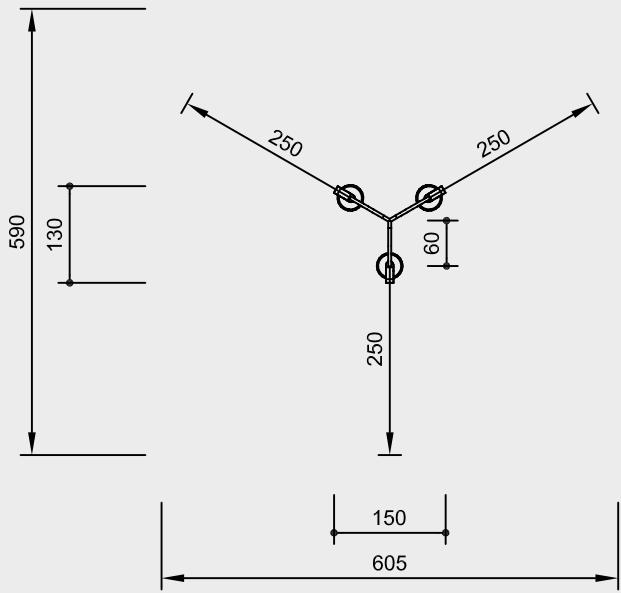
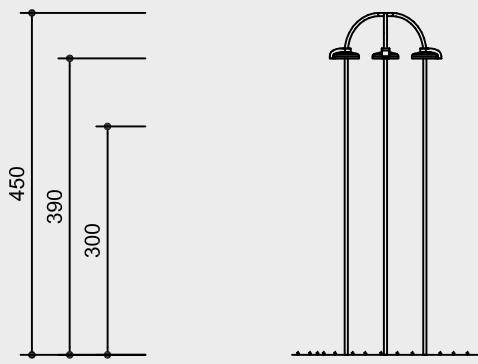
### Materials

climbing poles Ø 42 mm made of stainless steel

sound elements painted in colours, relatively soft percussion with plastic element, bell-like sound

### Dimensions (small deviations possible)

equipment height	4.50 m
height of bells	3.90 m
weight	approx. 240 kg



scale 1:100

Safety check according to EN 1176

### Components

3 climbing poles with bells and rubber-damped anchorage construction

### Installation information

Surfacing requirements corresponding to a fall height of 3.00 m (please refer to price list for more detailed information)

Foundations  
1 item Ø 2.20 m x 1.00 m  
excavation 1.40 m

**Attention!**  
**Exact measurements may vary, for all installation dimensions refer to current installation instructions.**  
Subject to technical changes.



7.90000



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