Movement by Climbing

Richter Spielgeräte GmbH

Movement by Climbing

Children have a natural urge to scale an obstacle or to climb up something. More than any other kind of exercise, climbing stimulates self-perception, promotes the ability to make decisions and to concentrate, trains spatial perception and supports self-confidence.
This makes climbing a special and challenging activity, characterised by its high degree of self-determining behaviour. The interplay of desire and goal, decision-making and determination through to the conscious execution of the activity is considered to especially promote positive development – not least because it helps children to overcome their reluctance to exercise as it's simply a lot of fun. Particular when children and youths are climbing in a play scenario alongside others, situations arise where they measure and compare their abilities. This process contributes, amongst other things, to feelings of self-value and self-identity. Seeking and accepting challenge is a characteristic aspect of a child's development. Children put to the test all their abilities when climbing. Success and failure are just as significant experiences as the act of weighing up risk and learning the corresponding self-protective behaviour.

We would like to consciously point out to you that this natural childlike need to experience, test out and measure oneself in tricky situations should be neither underestimated nor overestimated. Too much caution, which is often practised by us adults, inhibits the possibility of children acquiring the self-protective capabilities necessary for their future life in a playful way. The balance between helping and protecting as well as the courage to allow risk is a great challenge for all those responsible, and one we should not shirk away from. We would like to deliberately address this issue with our climbing equipment.

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Contents

Explanation of following icons

Videos
You can find videos on our website for the equipment marked with this icon.

Young People
The equipment marked with this icon is also especially suited for young people.

The FSC® certified paper Gardapat 13 Kiara was used for this catalogue.

FSC www.fsc.org MIX Paper from responsible sources FSC® C019725

Licensor and designer: G. Beltzig, W. Graubner, J. O. Gaier, K. Van Gestel, F. Dorband / K.H. Thiele

Quality Criteria

For additional explanations of the quality criteria please refer to our price list.

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Perforated
The earth / air zone of the wood is perforated by numerous small bore holes to ensure that the impregnating agent penetrates this particularly endangered zone

Fürstenberg Permadur System
In special cases we use the patented Fürstenberg Permadur System as an additional protection against rot

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

Claddings
Claddings made of mountain larch (4 – 5 cm) or spruce / fir (3 – 5 cm). Peeled white by hand, natural tree surface remains tangible and perceptible

Tongue and groove
Tongue and groove planks made of 4 cm solid wood, highly resilient, no trickling of dust / sand, protection against direct rain

Laminated wood beams
Laminated wood beams made of non-impregnated larch, glued according to EN 14080:2013; for very large timber cross-sections; comparatively low shrinkage, almost completely free of cracks

Hardwood rungs
Climbing rungs made of hardwood (ash) Ø 4.2 cm, milled and mortised, secured against twisting, easy to grip and not cold for children to touch

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

One-piece construction
Total construction of the slide made of 2 mm stainless steel, drawn in box form, surface glass bead blasted, without welding seam between sliding surface and side cheek

Swing seat
Ergonomically shaped swing seat made of rubber with soft shock absorbing edge. Durable due to strong profiled steel insert

Pendulum seat
Pendulum seat with a large rubber surface. Soft, protective edge and steel insert

Impact absorbing
The anti-slip swing platform is covered by a special tyre-like element for impact absorption

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Hercules type rope
Hercules type rope for spliced net connections, a combination of steel and polyester or polyamide yarn for the sleeve, abrasion-protected, 4 or 6 strands

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm, made of high-quality stainless steel, rounded

Swing joint
Drop-forged, hot-dip galvanised swing joint with sintered bush and integrated swivel

Universal joint
Drop-forged, hot-dip galvanised universal joint, consists of two sintered bushes, for free swinging in any direction

Rotating rope connection
Rotatable fitting without dangerous openings, with sintered bush with integrated swivel to ensure the rope untwists

Rope connection fixed
Fixed rope connection without dangerous openings. Screw connection adjustable and countersunk in the wood

Rope connection with joint
Close-fitting connection with joint, without dangerous openings, with sintered bush and adjustable screw connection

Ball joint rope connection
Close-fitting rope connection with ball joint, without dangerous openings for free swinging in any direction, rotatable suspension with combination of plain bearings and roller bearings, adjustable screw connection

Double rope connection
Connection for complicated swing and swivel motion

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain, no projecting threads

Interlocking
Interlocking connection, with milled metal rings or serrated disc dowels, to reinforce the bolt connection under high loads transverse to the grain direction of the wood

End grain connector
End grain connector as special fitting for the adjustable connection of horizontal and vertical timber

Sintered bush
For all reciprocating movements we use sintered plain bearings which are self-lubricating in use and can easily be exchanged if necessary

Steel reinforced rubber belt
Two-way steel reinforced rubber belt, total thickness approx. 11 mm, nearly indestructible

Large gated cableway
The large gated cableway covers the required safety distances. The cableway carriage comes to a smooth stop due to the difference in height of the gates and the cable slack

Tensioning device
Tensioning device enables one person to release and re-tension. Large winch radius and anti-kink function protect the rope

Cableway carriage
Our cableway carriage is designed as a sandwich construction. The „encapsulated" running mechanism ensures quiet operation. The installation of the carriage is possible without dismantling the rope

Special steel cable
High density steel cable made of high-strength and hot-dip galvanized wire. Stable in length, durable and allows a smooth ride of the cableway carriage

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

HPL ground anchor
Foundation anchor made of phenol resin paper-based laminates

Cross beam made of steel
Swing cross beam made of hot-dip galvanized steel. Optimized swing geometry with rigid corner connections, thus allowing for smaller foundations and easier foundation covering

Chains
Chains made of hot-dip galvanized steel (1.4301 / 1.4571 at extra charge) welded before galvanising, short-linked, without eyelets on the connecting parts, easy to exchange and shorten

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

Roller bearings
Roller bearings made of stainless steel for rotating elements, easy to maintain and exchange, sealed

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

PEFC™
PEFC/04-31-2482

Promoting
Sustainable Forest
Management

www.pefc.org

Richter Wood Quality Criteria for Larch Wood

Origin
Exclusive use of mountain larch (bot. larix decidua) from the Alps. It grows 800 - 1800 m above sea level and comes from sustainable forestries.
Our wood is PEFC certified according to CFCS 2002:2013/PEFC D 1003:2013. This certificate confirms that the sawn and round timber that is produced and sawn comes from sustainable forestry. Further information can be viewed on our website.

According to an offical ranking, larch is a moderately rot-resistant type of wood - considerably less durable than robinia.

However, there are different kinds of larch. The larch which we use for our production grows in the mountains at a height of more than 800 m above sea level. Therefore, it has considerably better wood physical properties (and thus should actually be calles larix decidua montania).

This advantages of this mountain grown larch are considerable:
- Less resin galls
- Less splinters
- Closer year rings
- Higher stability and predominantly enhanced durability.

Felling time
Our larch trees are felled in winter so that the cut wood can dry before fertile fungus spores, which can lead to early decomposition, appear.

Corning
During the natural ageing process of the tree, core materials are deposited in the wood. This corning is responsible for the rot-resistance of the mountain larch. Good corning and therefore suitability for ground insertion is recognisable to our colleagues by the red colour of the wood.

Sapwood
According to our wood quality criteria, timbers of mountain larch are delivered almost sapwood free.

Year rings
Wood with close year rings is more resistant to rot. Wood intended for ground insertion and for horizontal beams has particularly close rings. Our poles have at least 8 year rings in the outer 2 centimetres.

Evenness
We ensure that poles inserted into the ground and horizontal beams have centred rings so that close ring wood lies near the outer edge. We do not permit an eccentricity of the piths of greater than 3 cm.

Fungal attack
Occasionally even a standing tree is attacked by fungus. Such wood only gives limited durability, which is why we carefully sort it out.

Wood moisture
Wood-destroying fungi require high levels of moisture in the wood.
We increase the lifespan of our wood through natural open-air drying. Advanced drying in the poles is demonstrated by the appearance of splits. Our sawn timber is already dried to around 15 - 20% of original wood moisture before it is used for construction.

Since 1989 we have manufactured much of our wooden play equipment of unimpregnated mountain larch. Our play equipment made of unimpregnated poles of mountain larch stands as a rule on steel feet. For short vertical pole length we do without steel feet construction more and more. For square timbers inserted into the ground we use oak core timber. The end-grained timber surfaces are cut on the cross and covered with paraffin wax.

All equipment printed in red in our price list is made from unimpregnated mountain larch which has been selected according to the eight Richter quality criteria.

Climbing Structures

Concept

The climbing structures are characterised by the movement in different heights. They differ distinctly in
their dimensions and slightly in the height. As a group
offer this means they have different effects.

Material

For the climbing structures we primarily use robinia timber, but a larch version with steel feet is also available.
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.

Safety

The climbing structures have been type tested, i.e. a safety certification according to the up-to-date Play Equipment standard EN 1176 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 individual growth forms of the trunks we recommend a technical inspection authority test on-site following installation. Climbing structures can be climbed up to a maximum height of 3 m.

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.

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.

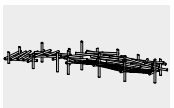
Play value
Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporate 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.

Special version with rings and caps

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

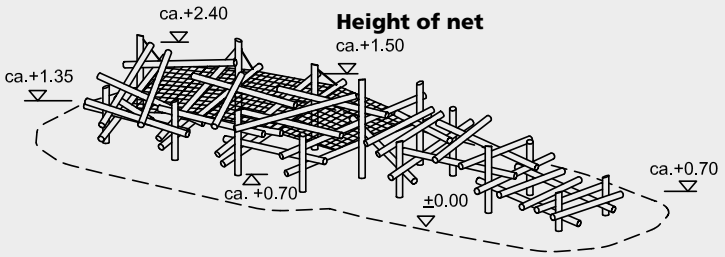
Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

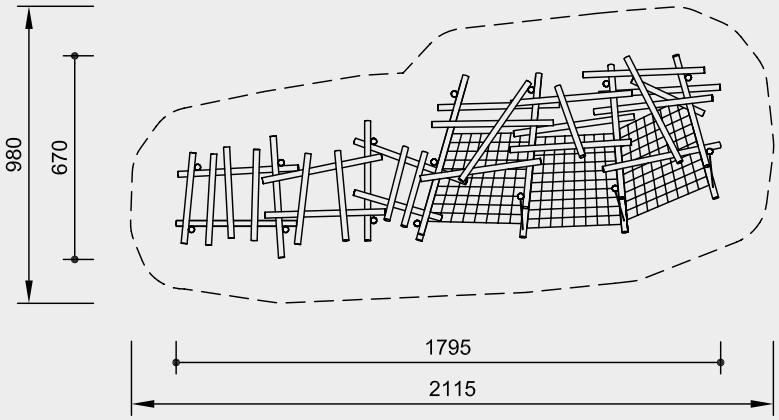


6.51002 / L6.51002

Order No. 6.51002
Climbing Structure 02

Height details in meters





Scale 1:250

Safety check according to EN 1176 and „safety in another way"

Components

15 Stand posts
38 Connecting tie beams
3 Net areas
Ropes for tensioning
Fittings

Dimensions
(small deviations possible)

Length	17.95 m
Width	6.70 m

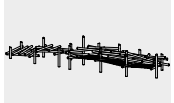
Required space
21.15 x 9.80 m

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 depth 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.
Technical changes reserved.



6.51002 / L6.51002

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm, made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain, no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51002
as above, but de-barked posts made of non-impregnated mountain larch, Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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 incorporate 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.

Special version with rings and caps, Photo © Tristan Filippone

Climbing Structure 04

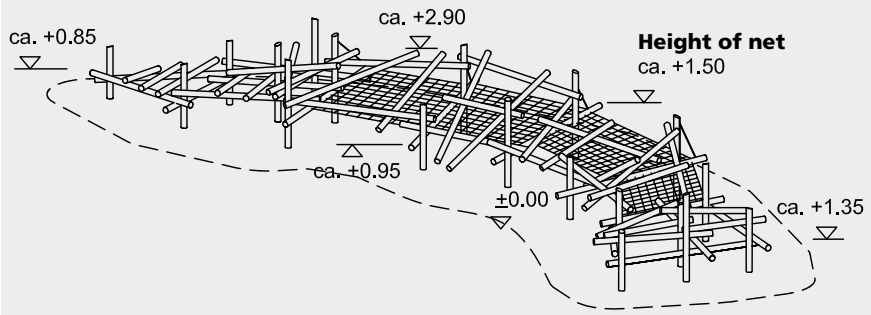
Fundamental characteristics
- Natural, strong posts
- No pre-determined play procedures, also able to be used in stages, individual mastering
- Incentive for playing: strong, challenging construction
- Movement: climbing, balancing, doing exercise

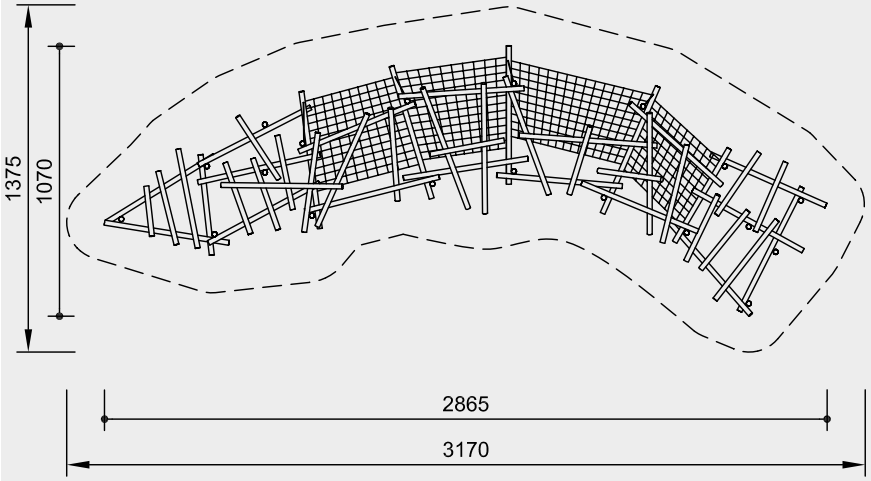
Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

6.51004 / L6.51004

Order No. 6.51004
Climbing Structure 04

Height details in meters





Scale 1:300

Safety check according to EN 1176 and „safety in another way"

Components

19 Stand posts
46 Connecting tie beams
4 Net areas
Ropes for tensioning
Fittings

Dimensions
(small deviations possible)

Length	28.85 m
Width	10.70 m

Required space
31.70 x 13.75 m

Installation information

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

Foundations
19 items 80 x 80 x 60 cm
Excavation depth 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.
Technical changes reserved.

6.51004 / L6.51004

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51004
as above, but de-barked posts made of non-impregnated mountain larch, Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

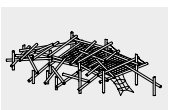
Special version with rings and caps

Climbing Structure 05

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 incorporate 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

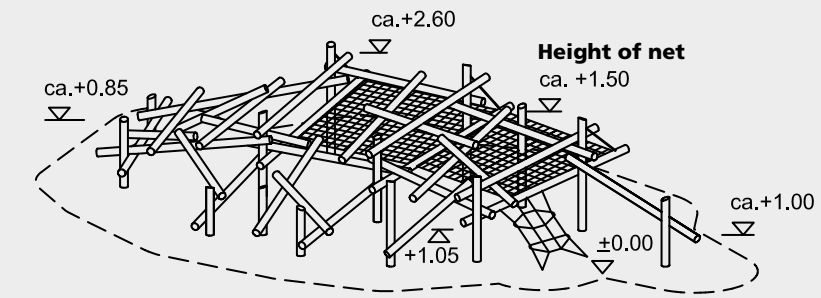
Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

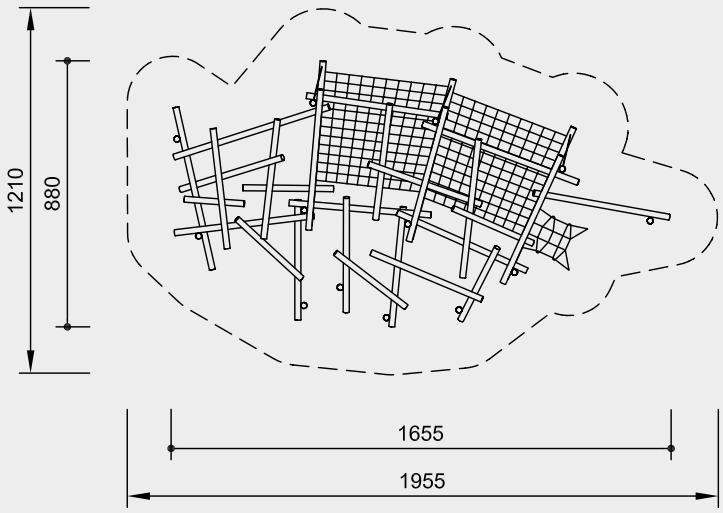


6.51005 / L6.51005

Order No. 6.51005
Climbing Structure 05

Height details in meters





Scale 1:250

Safety check according to EN 1176 and „safety in another way"

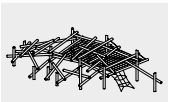
Components

13 Stand posts
30 Connecting tie beams
2 Net areas
1 Inclined climbing net
Ropes for tensioning
Fittings

Dimensions
(small deviations possible)

Length	16.55 m
Width	8.80 m

Required space
19.55 x 12.10 m



6.51005 / L6.51005

Installation information

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

Foundations
13 items 80 x 80 x 60 cm
Excavation depth 80 cm
Inclined Climbing Net
2 items 50 x 50 x 40 cm
Excavation depth 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.
Technical changes reserved.

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51005
as above, but de-barked posts made of non-impregnated mountain larch, Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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 incorporate 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.

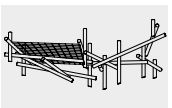
Photo © Daniel Perales

Special version with rings and caps, Photo © Tristan Filippone

Climbing Structure 06

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

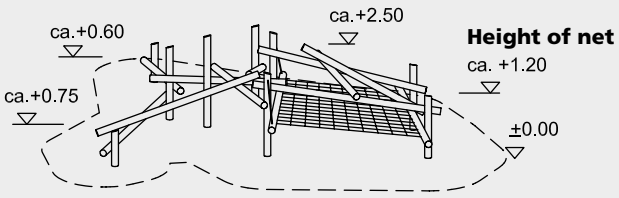
Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

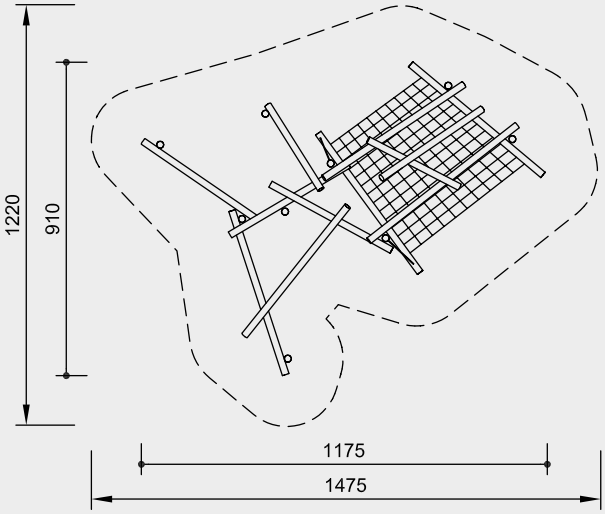


6.51006 / L6.51006

Order No. 6.51006
Climbing Structure 06

Height details in meters





Scale 1:200

Safety check according to EN 1176 and „safety in another way"

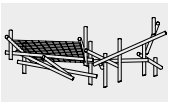
Components

9 Stand posts
12 Connecting tie beams
1 Net area
Ropes for tensioning
Fittings

Dimensions
(small deviations possible)

Length	11.75 m
Width	9.10 m

Required space
14.75 x 12.20 m



6.51006 / L6.51006

Installation information

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

Foundations
9 items 80 x 80 x 60 cm
Excavation depth 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.
Technical changes reserved.

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51006
as above, but de-barked posts made of non-impregnated mountain larch,
Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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 incorporate 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

Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

Photo © Paul Upward

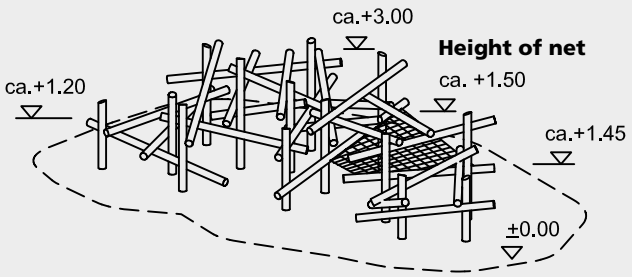
Climbing Structure 07

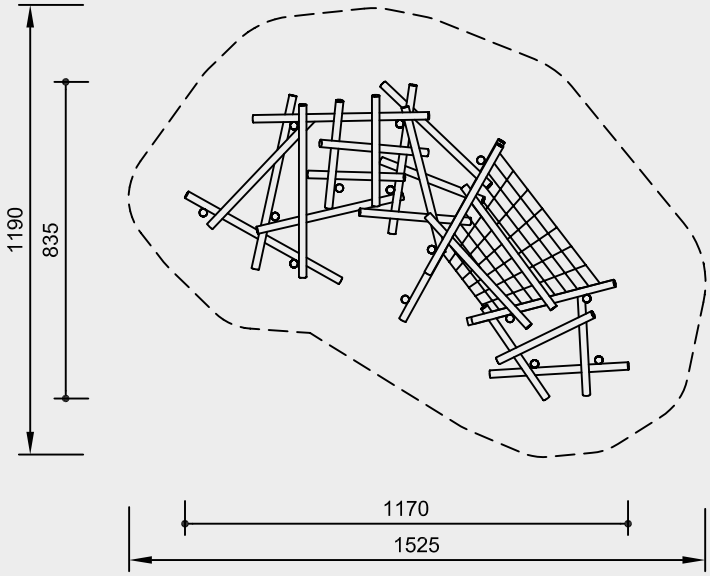
Photo © Daniel Perales

6.51007 / L6.51007

Order No. 6.51007
Climbing Structure 07

Height details in meters





Scale 1:200

Safety check according to EN 1176 and „safety in another way"

Components

14 Stand posts
25 Connecting tie beams
1 Net area
Fittings

Dimensions
(small deviations possible)

Length	11.70 m
Width	8.35 m

Required space
15.25 x 11.90 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 depth 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.
Technical changes reserved.

6.51007 / L6.51007

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51007
as above, but de-barked posts made of non-impregnated mountain larch, Ø 15 - 21 cm, splinter free and sanded smooth

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

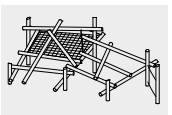
Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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 incorporate 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.

Climbing Structure 08

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

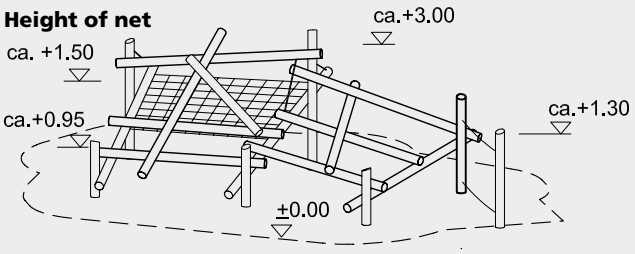
Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

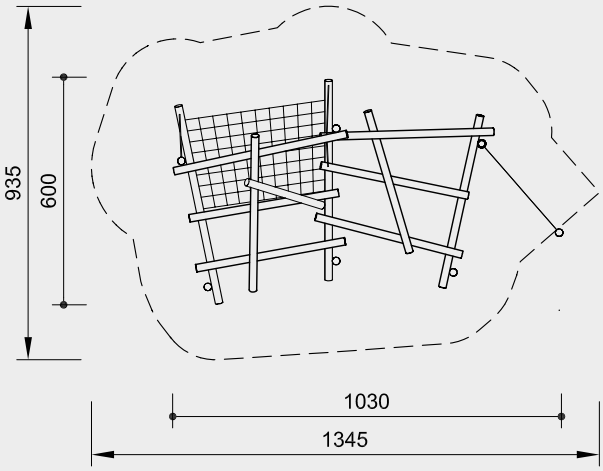


6.51008 / L6.51008

Order No. 6.51008
Climbing Structure 08

Height details in meters





Scale 1:200

Safety check according to EN 1176 and „safety in another way"

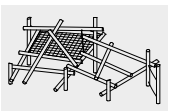
Components

7 Stand posts
12 Connecting tie beams
1 Net area
1 Balancing rope / holding rope
Ropes for tensioning
Fittings

Dimensions
(small deviations possible)

Length	10.30 m
Width	6.00 m

Required space
13.45 x 9.35 m



6.51008 / L6.51008

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 depth 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.
Technical changes reserved.

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51008
as above, but de-barked posts made of non-impregnated mountain larch, Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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 incorporate 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.

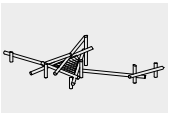
Photo © Jenny Halse

Special version with rings and caps

Climbing Structure 09

Fundamental characteristics
- Natural, strong posts
- No pre-determined play procedures, individual mastering
- Incentive for playing: strong, challenging construction
- Movement: climbing, balancing, doing exercise

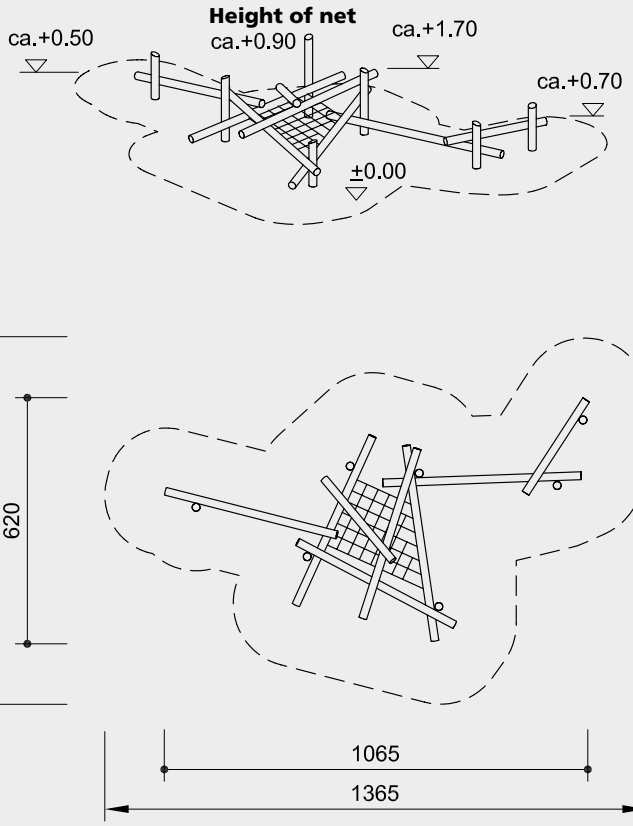
Recommended for
- School children
- Young people
- Public areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar



6.51009 / L6.51009

Order No. 6.51009
Climbing Structure 09

Height details in meters



Scale 1:200

Safety check according to EN 1176 and „safety in another way"

Components

7 Stand posts
8 Connecting tie beams
1 Net area
Fittings

Dimensions
(small deviations possible)

Length	10.65 m
Width	6.20 m

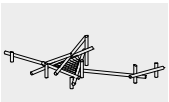
Required space
13.65 x 9.25 m

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 depth 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.
Technical changes reserved.



6.51009 / L6.51009

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51009
as above, but de-barked posts made of non-impregnated mountain larch, Ø 15 - 21 cm, splinter free and sanded smooth

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

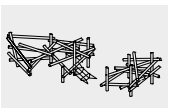
Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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 incorporate 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.

Climbing Structure 11

Fundamental characteristics
- Natural, strong posts
- No pre-determined play procedures, individual mastering
- Incentive for playing: strong, challenging construction
- Movement: climbing, balancing, doing exercise

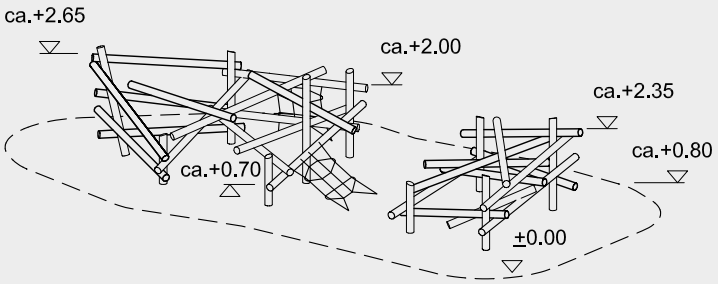
Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

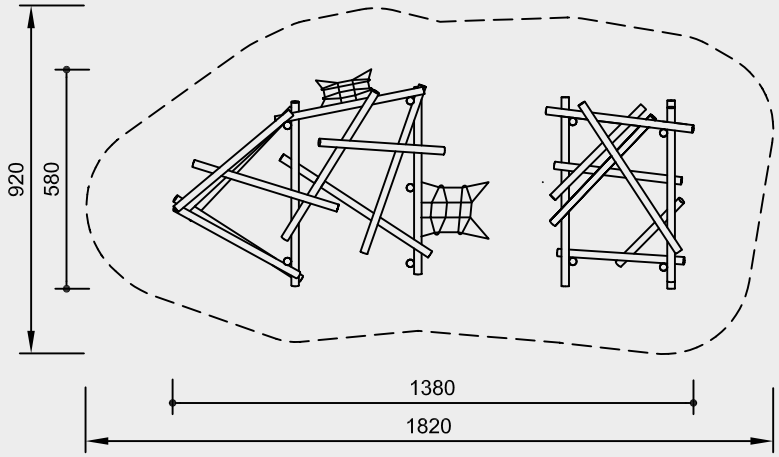


6.51011 / L6.51011

Order No. 6.51011
Climbing Structure 11

Height details in meters





Scale 1:200

Safety check according to EN 1176 and „safety in another way"

Components

10 Stand posts
25 Connecting tie beams
2 Inclined climbing nets
Fittings

Dimensions
(small deviations possible)

Length	13.80 m
Width	5.80 m

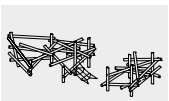
Required space
18.20 x 9.20 m

Installation information

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

Foundations
10 items 80 x 80 x 60 cm
Excavation depth 80 cm
Inclined Climbing Nets
2 items 50 x 50 x 40 cm
Excavation depth 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.
Technical changes reserved.



6.51011 / L6.51011

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51011
as above, but de-barked posts made of non-impregnated mountain larch, Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

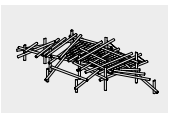
Play value
Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporate 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.

Photo © Daniel Perales

Climbing Structure 12

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

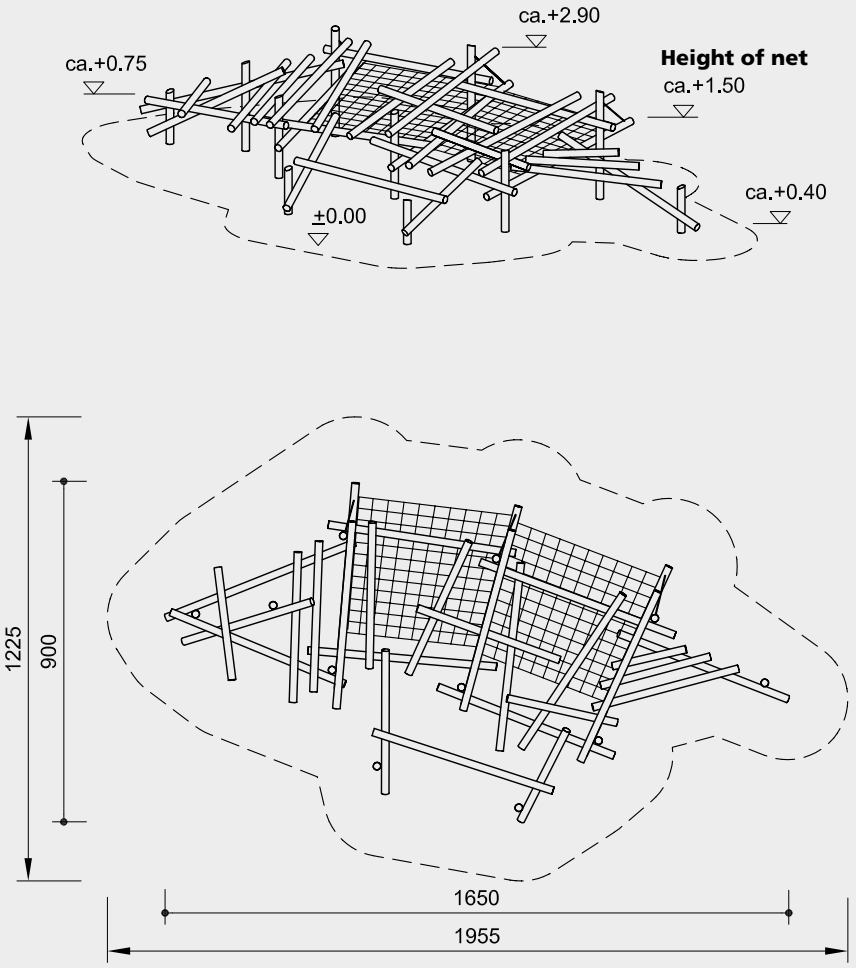
Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar



6.51012 / L6.51012

Order No. 6.51012
Climbing Structure 12

Height details in meters



Scale 1:200

Safety check according to EN 1176 and „safety in another way"

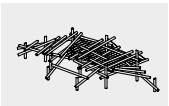
Components

11 Stand posts
29 Connecting tie beams
2 Net areas
Ropes for tensioning
Fittings

Dimensions
(small deviations possible)

Length	16.50 m
Width	9.00 m

Required space
19.55 x 12.25 m



6.51012 / L6.51012

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 depth 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.
Technical changes reserved.

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51012
as above, but de-barked posts made of non-impregnated mountain larch, Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

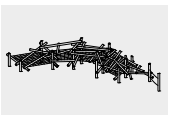
Play value
Climbing Structures made from hand-processed irregular round logs, can be integrated into a strongly nature-oriented environment due to their formal expressive character. Many children can play within a small space; Climbing Structures can even absorb the arrival of a large number of children who wish to play on it and incorporate 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.

Photo © Paul Upward

Climbing Structure 16

Fundamental characteristics
- Natural, strong posts
- No pre-determined play procedures, also able to be used in stages, individual mastering
- Incentive for playing: strong, challenging structure
- Movement: climbing, balancing, doing exercise

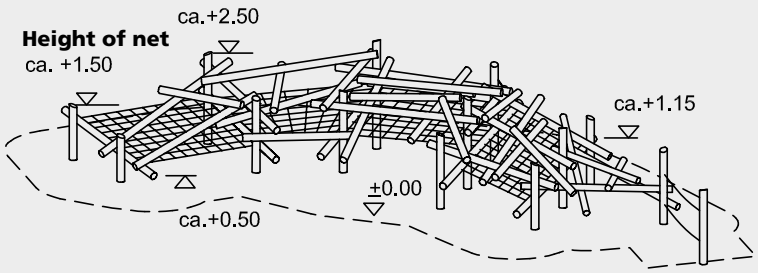
Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

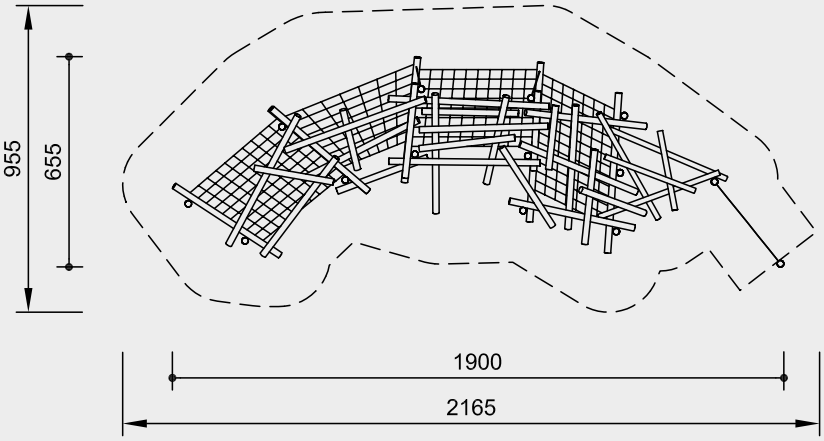


6.51016 / L6.51016

Order No. 6.51016
Climbing Structure 16

Height details in meters





Scale 1:250

Safety check according to EN 1176 and „safety in another way"

Components

14 Stand posts
35 Connecting tie beams
4 Net areas
1 Balancing rope / holding rope
Ropes for suspensions
Fittings

Dimensions
(small deviations possible)

Length	19.00 m
Width	6.55 m

Required space
21.65 x 9.55 m

6.51016 / L6.51016

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 depth 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.
Technical changes reserved.

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51016
as above, but de-barked posts made of non-impregnated mountain larch,
Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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 incorporate 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.

Climbing Structure 17

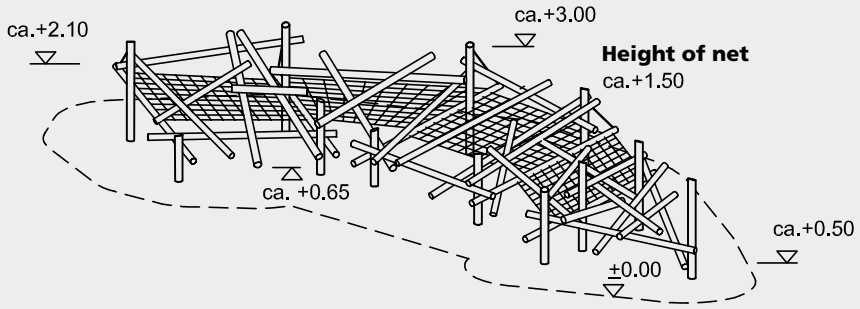
Fundamental characteristics
- Natural, strong posts
- No pre-determined play procedures, also able to be used in stages, individual mastering
- Incentive for playing: strong, challenging construction
- Movement: climbing, balancing, doing exercise

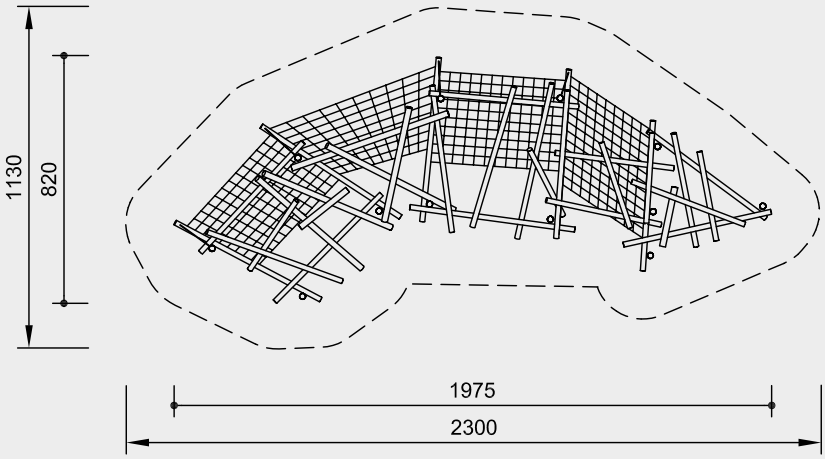
Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

6.51017 / L6.51017

Order No. 6.51017
Climbing Structure 17

Height details in meters





Scale 1:250

Safety check according to EN 1176 and „safety in another way"

Components

12 Stand posts
32 Connecting tie beams
4 Net areas
Ropes for tensioning
Fittings

Dimensions
(small deviations possible)

Length	19.75 m
Width	8.20 m

Required space
23.00 x 11.30 m

6.51017 / L6.51017

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 depth 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.
Technical changes reserved.

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51017
as above, but de-barked posts made of non-impregnated mountain larch, Ø 15 - 21 cm, splinter free and sanded smooth

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

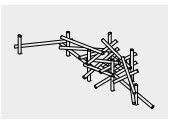
Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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 incorporate 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.

Climbing Structure 18

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

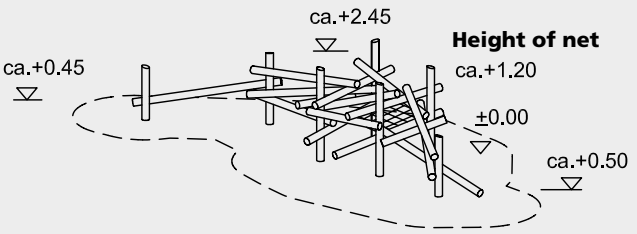
Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

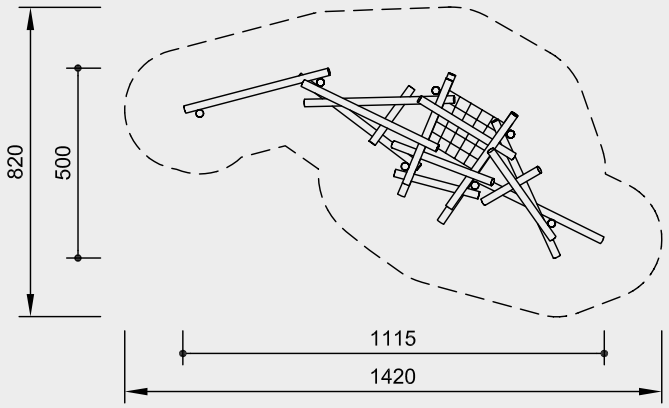


6.51018 / L6.51018

Order No. 6.51018
Climbing Structure 18

Height details in meters





Scale 1:250

Safety check according to EN 1176 and „safety in another way"

Components

7 Stand posts
16 Connecting tie beams
1 Net area
Fittings

Dimensions
(small deviations possible)

Length	11.15 m
Width	5.00 m

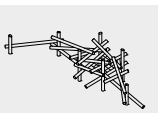
Required space
14.20 x 8.20 m

Installation information

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

Foundations
7 items 80 x 80 x 60 cm
Excavation depth 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.
Technical changes reserved.



6.51018 / L6.51018

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51018
as above, but de-barked posts made of non-impregnated mountain larch, Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

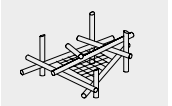
Special version with caps, Photo © Daniel Perales

Climbing Structure 19

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 incorporate 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 structure
- Movement: climbing, balancing, doing exercise

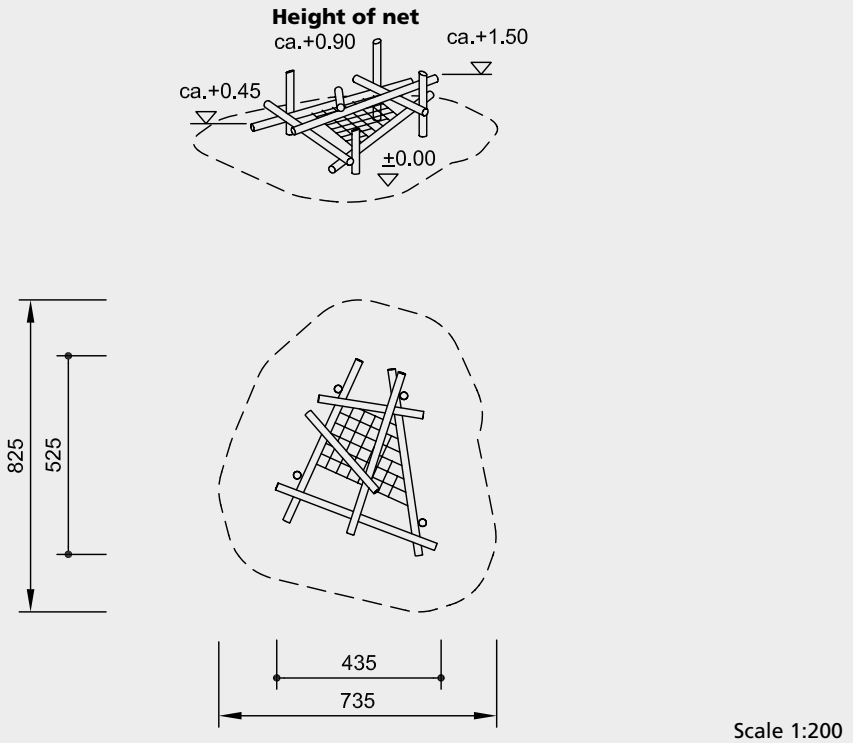
Recommended for
- Kindergarten children
- School children
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar



6.51019 / L6.51019

Order No. 6.51019
Climbing Structure 19

Height details in meters



Scale 1:200

Safety check according to EN 1176 and „safety in another way"

Components

4 Stand posts
6 Connecting tie beams
1 Net area
Fittings

Dimensions
(small deviations possible)

Length	4.35 m
Width	5.25 m

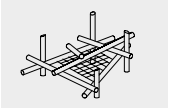
Required space
7.35 x 8.25 m

Installation information

Surfacing requirements
corresponding to a fall height of ≤ 1.50 m
(please refer to price list for more detailed information)

Foundations
4 items 80 x 80 x 60 cm
Excavation depth 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.
Technical changes reserved.



6.51019 / L6.51019

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Net suspension with short-linked stainless steel chains

Order No. L6.51019
as above, but de-barked posts made of non-impregnated mountain larch,
Ø 15 - 21 cm, splinter free and sanded smooth

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

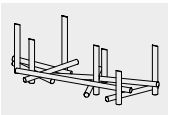
Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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 incorporate 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.

Climbing Structure 20

Fundamental characteristics
- Natural, strong posts
- No pre-determined play procedures, individual mastering
- Incentive for playing: strong, challenging structure
- Movement: climbing, balancing, doing exercise

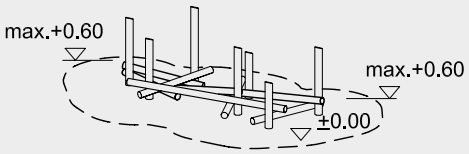
Recommended for
- Kindergarten children
- School children
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

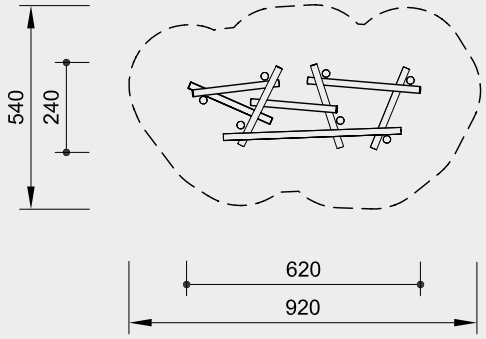


6.51020 / L6.51020

Order No. 6.51020
Climbing Structure 20

Height details in meters





Scale 1:200

Safety check according to EN 1176 and „safety in another way"

Components

7 Stand posts
8 Connecting tie beams
Fittings

Dimensions
(small deviations possible)

Length	6.20 m
Width	2.40 m

Required space
9.20 x 5.40 m

Installation information

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

Foundations
7 items 80 x 80 x 60 cm
Excavation depth 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.
Technical changes reserved.

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

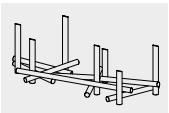
Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Order No. L6.51020
as above, but de-barked posts made of non-impregnated mountain larch,
Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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



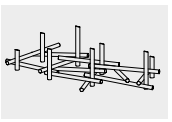
6.51020 / L6.51020

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 incorporate 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.

Climbing Structure 21

Fundamental characteristics
- Natural, strong posts
- No pre-determined play procedures, individual mastering
- Incentive for playing: strong, challenging structure
- Movement: climbing, balancing, doing exercise

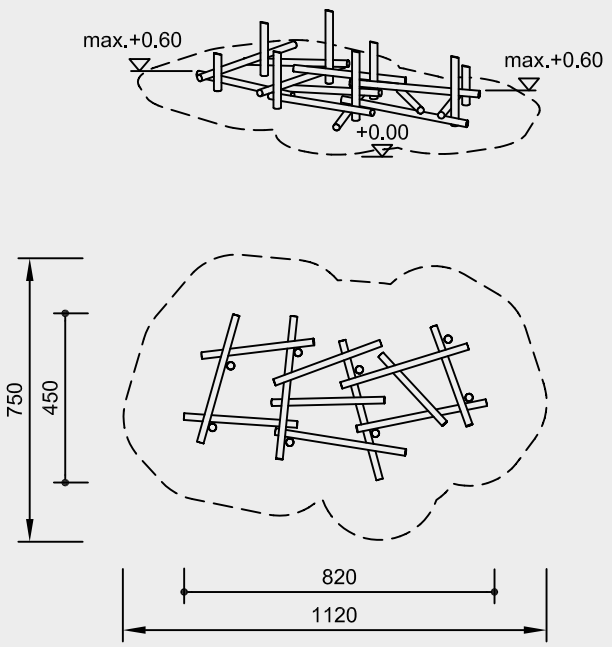
Recommended for
- Kindergarten children
- School children
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar



6.51021 / L6.51021

Order No. 6.51021
Climbing Structure 21

Height details in meters



Scale 1:200

Safety check according to EN 1176 and „safety in another way"

Components
8 Stand posts
12 Connecting tie beams
Fittings

Dimensions
(small deviations possible)

Length	8.20 m
Width	4.50 m

Required space
11.20 x 7.50 m

Installation information

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

Foundations
8 items 80 x 80 x 60 cm
Excavation depth 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.
Technical changes reserved.

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

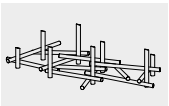
Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Order No. L6.51021
as above, but de-barked posts made of non-impregnated mountain larch, Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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



6.51021 / L6.51021

Photo © Daniel Perales

Special version with rings and caps, Photo © Daniel Perales

Climbing Structure 22

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 incorporate 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.

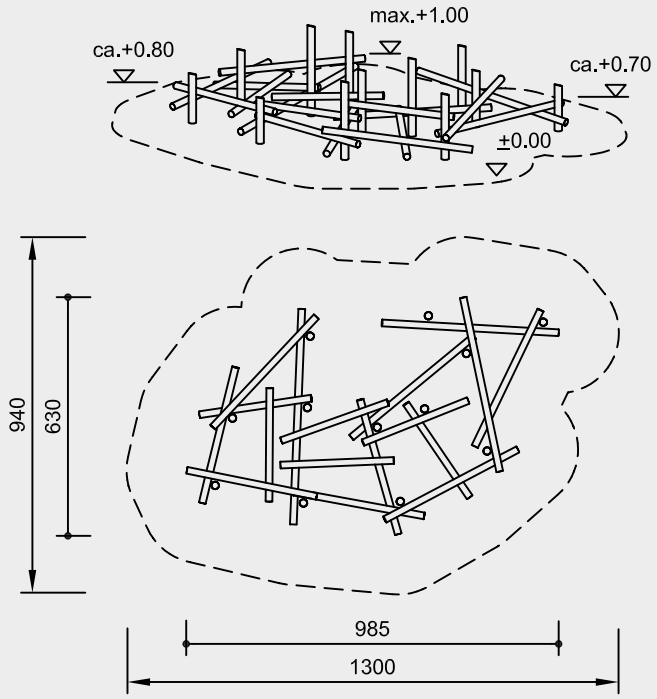
Fundamental characteristics
- Natural, strong posts
- No pre-determined play procedures, individual mastering
- Incentive for playing: strong, challenging structure
- Movement: climbing, balancing, doing exercise

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

6.51022 / L6.51022

Order No. 6.51022
Climbing Structure 22

Height details in meters



Scale 1:200

Safety check according to EN 1176 and „safety in another way"

Components

12 Stand posts
17 Connecting tie beams
Fittings

Dimensions
(small deviations possible)

Length	9.85 m
Width	6.30 m

Required space
13.00 x 9.40 m

Installation information

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

Foundations
12 items 80 x 80 x 60 cm
Excavation depth 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.
Technical changes reserved.

Technical information

Posts made of robinia, Ø 15 - 21 cm

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Distance fitting
Screw connection with distance fitting to avoid entrapment areas

Order No. L6.51022
as above, but de-barked posts made of non-impregnated mountain larch,
Ø 15 - 21 cm, splinter free and sanded smooth

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

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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

6.51022 / L6.51022

Photo © Tristan Filippone

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.
- Recommended for public accessible and unsupervised areas. The climbing forest is not a high ropes course. Therefore no helmet or safety belt is necessary.
- 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“.

Material

For the Climbing Forest we primarily use oak timber.
The oak timber comes mostly from the common oak (Quercus robur) also called the pedunculate oak.
The common oak is a up to 40 meter high tree which can have a trunk diameter of up to three meters. It can reach an age of 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, e.g. as construction timber, in hydraulic engineering, for railway sleepers and for stakes.
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.

Safety

The Climbing Forest is delivered according to the up-to-date Play Equipment standard EN 1176.
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 two steps:
First the logs and some of the rope elements are delivered and installed. Then the distances of the missing rope elements are exactly determined. Accordingly, the rope connections are manufactured and delivered.

Play value
Thanks to its various degrees of difficulty at different heights, the Climbing Forest is a thrilling challenge for children and adults who love to exercise and enjoy testing their strength and capabilities. As the trunks and ropes provide enough space to accommodate large numbers of adventurers at the same time, the Climbing Forest is well suited for heavily frequented playgrounds.

The standard colour of ropes: red.

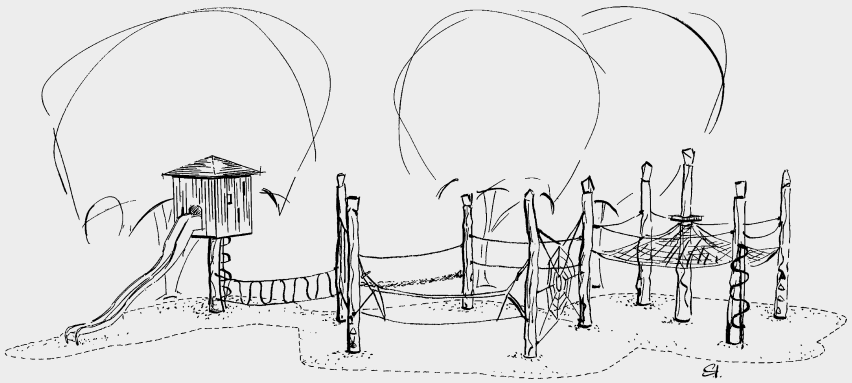
Climbing Forest

Climbing together, moving hand over hand and balancing require skill and prudence. Children improve their motor skills and their ability to assess risks in a playful manner. Encounters on a rocking rope mean that you have to coordinate what you do with the other person. Having overcome a seemingly impossible obstacle strengthens the children's self-esteem – the proud expression on their faces when they reach the top of the Climbing Forest speaks for itself. The younger and older climbers joyfully experience how concentration and stamina help accomplish great goals.

Recommended for
- School children
- Young people
- Leisure parks
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas, such as kindergartens, schools, after-school programmes or similar

10.80001

Order No. 10.80001
Climbing Forest
Design example 01



Safety check according to EN 1176

Components

10 Trunks
1 Tree house
1 Stainless steel slide with wave and higher sides Order No. 3.63225
1 Parallel rope, length 5.00 m
1 Walk rope with 3 grip ropes
1 Nepalese rope bridge, length 5.00 m
1 Spider's web, width 5.00 m
1 PP rope with hand rope
1 Walk rope with hand rope
1 Horizontal square net on lookout with 4 rope handrails
2 Indian ladders

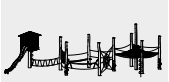
Peg out plans and rope plans

Required space
approx. 25.90 x 14.30 m

Installation information

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

Foundations
Ø 150 - 200 cm,
Excavation depth 50 - 75 cm



10.80001

Technical information

Equipment made of oak, mountain larch

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

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

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Hercules type rope
Hercules type rope for spliced net connections, a combination of steel and polyester or polyamide yarn for the sleeve, abrasion-protected,
4 or 6 strands

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Universal joint
Drop-forged, hot-dip galvanised universal joint, consists of two sintered bushes, for free swinging in
any direction

Rotating rope connection
Rotatable fitting without dangerous openings, with sintered bush with integrated swivel to ensure the rope untwists

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Sintered bush
For all reciprocating movements we use sintered plain bearings which are self-lubricating in use and can easily be exchanged if necessary

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

Chains
Chains made of hot-dip galvanized steel (1.4301 / 1.4571 at extra charge) welded before galvanising, short-linked, without eyelets on the connecting parts, easy to exchange and shorten

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

Photo © Tristan Filippone

Concept

- Climbing in lofty heights or just above the ground
  Climbing trunks and ropes are the basic elements, ideally 'planted' between large living trees.
- For publicly accessible and unsupervised areas; The climbing forest is not a high ropes course. Therefore, no helmets, safety belts, or supervisory personnel are necessary

The standard colour of ropes: red, Photo © Tristan Filippone

Climbing Forest

Design characteristics

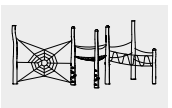
- Individually planned installation with graded difficulty levels for big and small
- Logs from 100 to 200 year old oak trees in natural growth form, therefore larger variety of height and span width is possible
- Handcrafted with a clear message: "function defines form"

The Climbing Forest is a modular system made of strong oak trunks and rope climbing connections. The elements may be arranged in a vast number of ways, for example to form a circuit or a swerving path around existing trees. We will design an individual arrangement according to your terrain and the available space. You will find an overview of our individual elements on the following pages.

Planning information

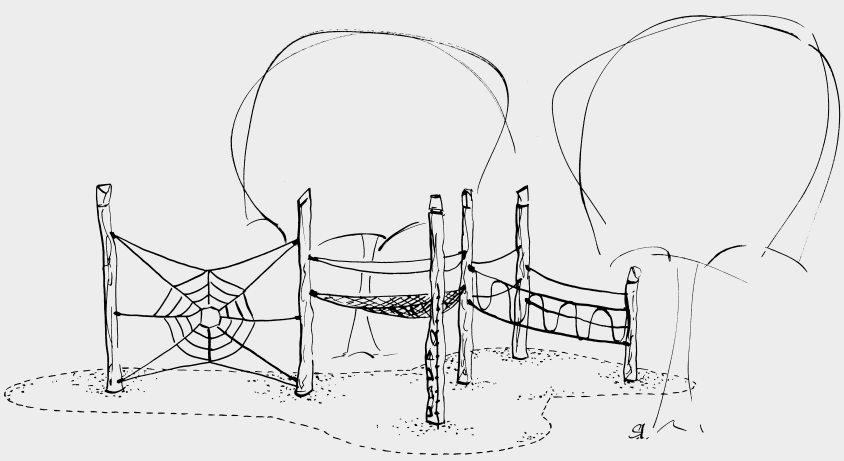
So that we can plan a climbing forest we require the following information:

- Plan of site with scale, reference measurements, north point, height details
- Where necessary, tree register, photos
- Details of the position of supply lines in the earth or above it
- Budget



10.80002

Order No. 10.80002
Climbing Forest
Design example 02



Safety check according to EN 1176

Components

6 Trunks
1 Spider's web, width 5.00 m
1 Horizontal triangular net
with 3 rope handrails
1 Parallel rope, length 4.00 m
2 Walk ropes with hand ropes
1 Knot rope

Peg out plans and rope plans

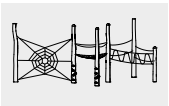
Required space

approx. 15.90 x 10.20 m

Installation information

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

Foundations
Ø 150 - 400 cm,
Excavation depth 50 - 75 cm



10.80002

Technical information

Equipment made of oak, mountain larch

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Bevel cut
Vertical stand posts with bevelled end grain section as constructive wood preservation measure

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Hercules type rope
Hercules type rope for spliced net connections, a combination of steel and polyester or polyamide yarn for the sleeve, abrasion-protected,
4 or 6 strands

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Universal joint
Drop-forged, hot-dip galvanised universal joint, consists of two sintered bushes, for free swinging in
any direction

Rotating rope connection
Rotatable fitting without dangerous openings, with sintered bush with integrated swivel to ensure the rope untwists

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Sintered bush
For all reciprocating movements we use sintered plain bearings which are self-lubricating in use and can easily be exchanged if necessary

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

Chains
Chains made of hot-dip galvanized steel (1.4301 / 1.4571 at extra charge) welded before galvanising, short-linked, without eyelets on the connecting parts, easy to exchange and shorten

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

Photo © Daniel Perales

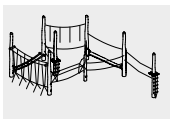
Photo © Tristan Filippone

Standard colour of ropes: red.

Safety
The Climbing Forest complies with the currently applicable playground equipment standard, EN 1176 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. Above this height, net tunnels can be used or nets can be installed at intermediate levels.

Delivery and assembly (on-site)
take place in 3 steps:
1. Earth and foundation work
2. **First part of delivery**
   Assembly of trunks and rope elements with fixed lengths; determination of the lengths of the customised rope elements
3. **Second part of delivery**
   Assembly of customised rope elements

Climbing Forest
Combination Elements



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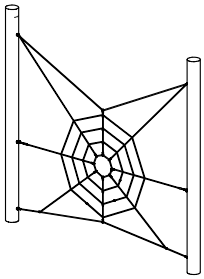
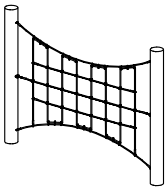
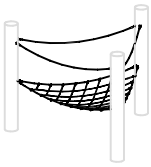


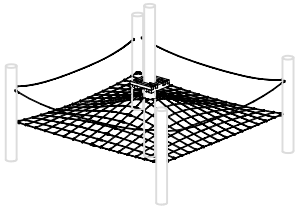
Spiderweb



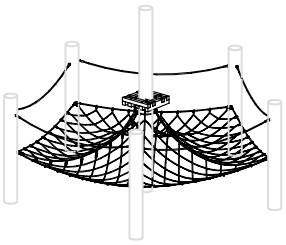
Vertical
Climbing Net



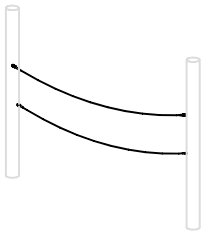
Horizontal
Triangular Net



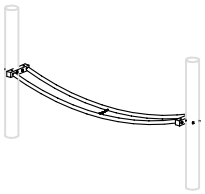
Horizontal
Square Net



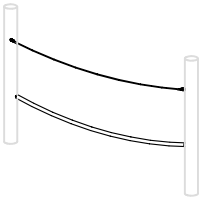
Horizontal
Pentagonal Net



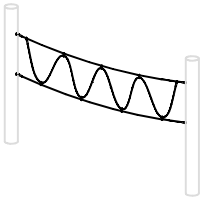
Walk Rope
with Hand Rope



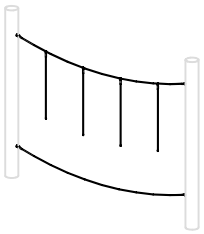
Double PP Rope



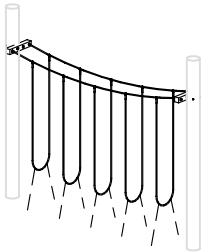
PP Rope
with Hand Rope



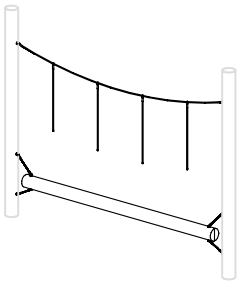
Parallel Rope



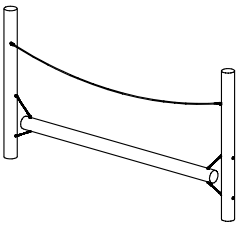
Grip Ropes
with Walk Rope



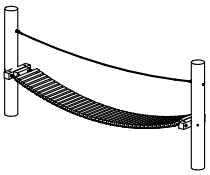
Dangling Walk



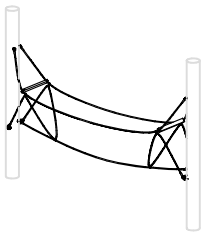
Balancing Beam
with Grip Ropes



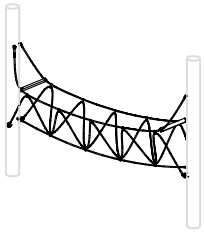
Balancing Beam
with Hand Rope



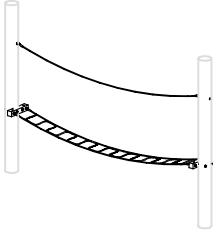
Suspension Bridge
with Hand Rope



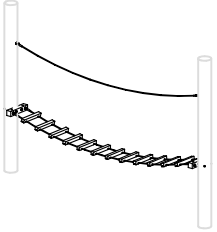
Nepalese Rope Bridge



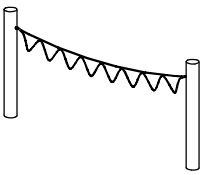
Three-Rope Bridge



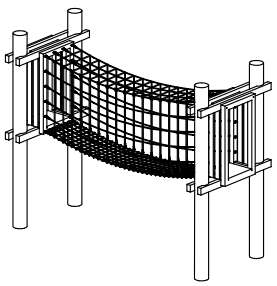
Wobbly Bridge
with Hand Rope



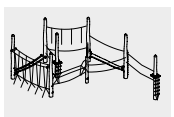
Ladder Bridge
with Hand Rope



Monkey Loops



Net Tunnel Bridge



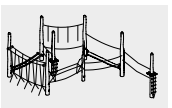
10.80000

Photo © Tristan Filippone

Photo © Daniel Perales

Standard colour of ropes: red

Climbing Forest
Combination Elements



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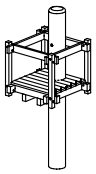
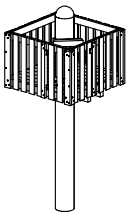
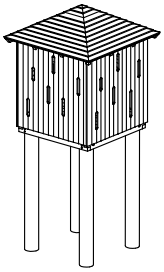


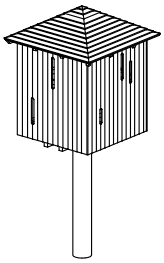
Small Crow's Nest



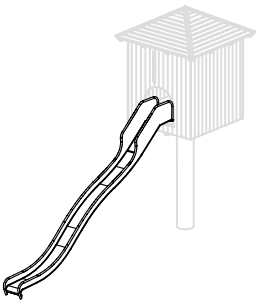
Large Crow's Nest



Tree House
incl. 4 trunks

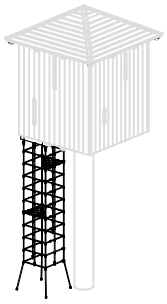


Tree House
incl. 1 trunk

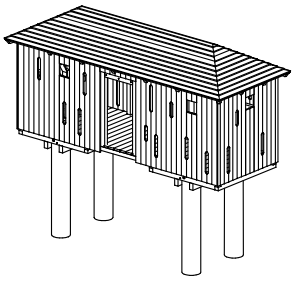


Slides

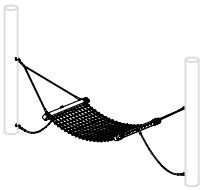
Nest Box



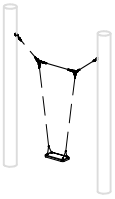
Net Tunnel
as way up



Long Tree House

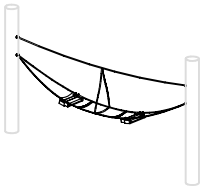


Hammock



Swing

Whisk



Double Hammock Seat

Rope Bar

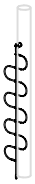
Horizontal Bar

Lookout with
Rope Ladder

Trunk

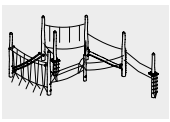
Trunk with Steps

Climbing Trunk



Indian Ladder

Knot Rope



10.80000

Rope Course

Concept

- Unique invitation for playing thanks to cylindrical concrete columns.
- Practising self-protective reflexes.
- Different movement possibilities: climbing, balancing, role-playing games.
- The Rope Course is available in various versions. The offering may be complemented by a number of ropes, nets and other pieces of equipment. We will create an individual plan for the number of pillars and play elements needed and their arrangement according to local conditions.

Material

For our rope course we use concrete columns and rope nets.

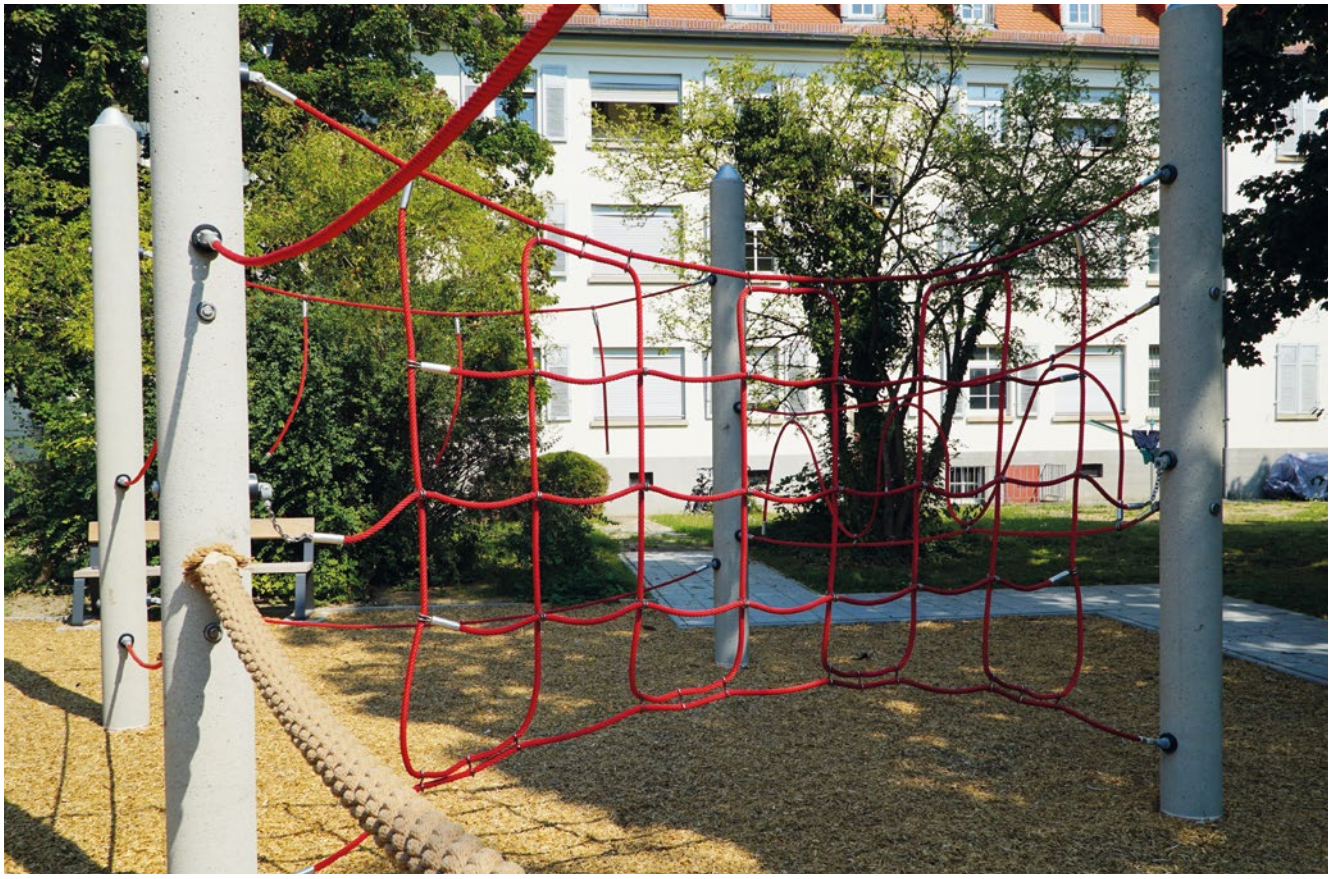
Concrete is a special material that is not only practical but also has aesthetic qualities. The durable and robust properties of the material mean concrete play equipment is ideally suited for the design of outdoor areas such as amusement parks, schoolyards and other public areas. Assembly, inspection and maintenance of the concrete equipment is also very easy to carry out compared to other systems. The irregular surface structure, similar to what wood also displays, offers playing children a special tactile experience, which is an important experience while playing.

Our ropes are manufactured and processed in our own rope-works. These special ropes consist of six galvanised, steel wire strands. Each individual strand is tightly wrapped with a polyester yarn, edge ropes are additionally reinforced with a steel wire core. Ropes of the special “Hercules” type are tempered, which means the polyamide yarn is inductively fused around each steel-wire cable, so that when friction removes the surface fibres of the yarn, a hard polyamide coating remains to protect each strand. This significantly increases the abrasion resistance.

Safety

The Rope Course is delivered according to the up-to-date Play Equipment standard EN 1176.
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.

Play value
Thanks to its various vertical and horizontal net structures, the Rope Course is an exiting challenge for active children and young people who love to try out their acrobatic skills. As the posts and ropes provide enough space to accommodate large numbers of children at the same time, the course is well suited for heavily frequented playgrounds. Horizontal nets invite the rope climbing enthusiasts to take a little break before taking on other challenges.

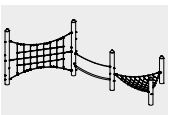


Rope Course
Type 01

Encouraged by their play instinct, everyone will have the chance to conquer their favourite spot – near the ground or above the adults' heads.

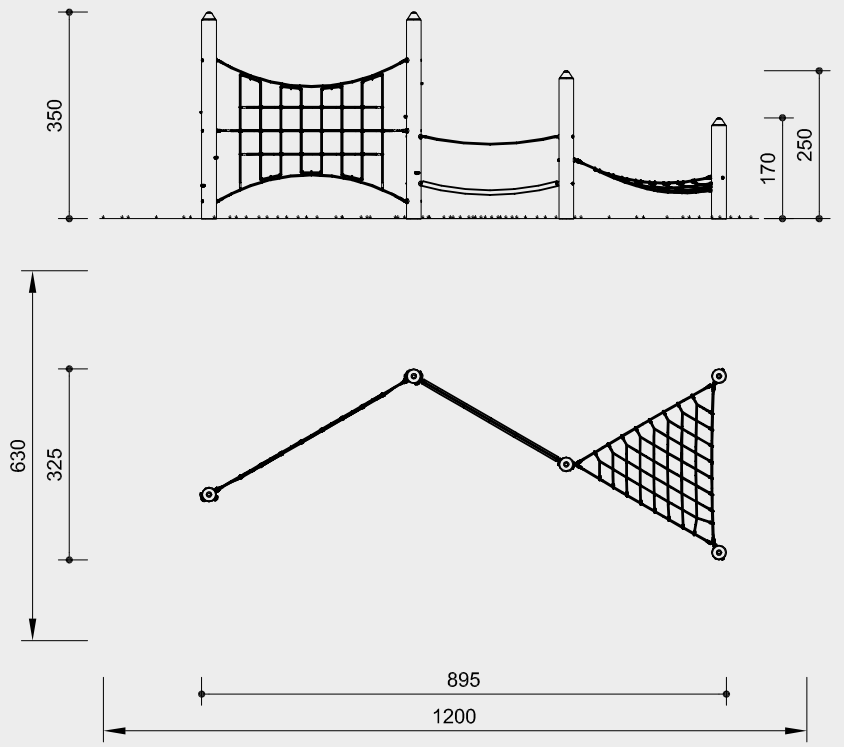
Fundamental characteristics
- Unique invitation for playing thanks to cylindrical concrete columns
- Practising self-protective reflexes
- Incentive for playing: various opportunities for climbing
- Movement: climbing, balancing, role-playing games

Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar



6.49010

Order No. 6.49010
Rope Course Type 01



Sicherheitsprüfung nach DIN EN 1176

Components

5 Concrete columns
1 Triangular net
1 Vertical climbing net
1 PP rope with hand rope
6 Climbing grips

German registered design
No. 20 2016 106 097.4

Dimensions
(small deviations possible)

Height	3.50 / 2.50 / 1.70 m
Length	8.95 m
Width	3.25 m
Weight	2100 kg
Columns diameter	25 cm

Installation information

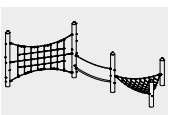
Surfacing requirements corresponding to a fall height of ≤ 3.00 m (please refer to price list for more detailed information)

Foundations
3 items Ø 80 x height 70 cm
Excavation depth 90 cm
2 items Ø 100 x height 70 cm
Excavation depth 90 cm

System details

- Height of columns 1.60 m, 2.40 m and 3.40 m
- Distance between columns up to 4 m
- Can be arranged in a straight line or in a zig-zag pattern
- Zig-zag line requires 30° layout
- The installation heights for the additional elements can be chosen freely
- Horizontal nets from 1 m height with hand ropes all round
- Ropes installed one above each other (e. g. balancing rope and hand rope) will always be mounted on the same axis (no side offset)
- Horizontal nets can also be installed with an inclination

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



6.49010

Technical information

Columns made of self-compacting concrete C 35/45, steel reinforced, Ø 25 cm, grain size 0 to16 mm, sand-blasted surface

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Hercules type rope
Hercules type rope for spliced net connections, a combination of steel and polyester or polyamide yarn for the sleeve, abrasion-protected, 4 or 6 strands

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm, made of high-quality stainless steel, rounded

Rotating rope connection
Rotatable fitting without dangerous openings, with sintered bush with integrated swivel to ensure the rope untwists

Rope connection with joint
Close-fitting connection with joint, without dangerous openings, with sintered bush and adjustable screw connection

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain, no projecting threads

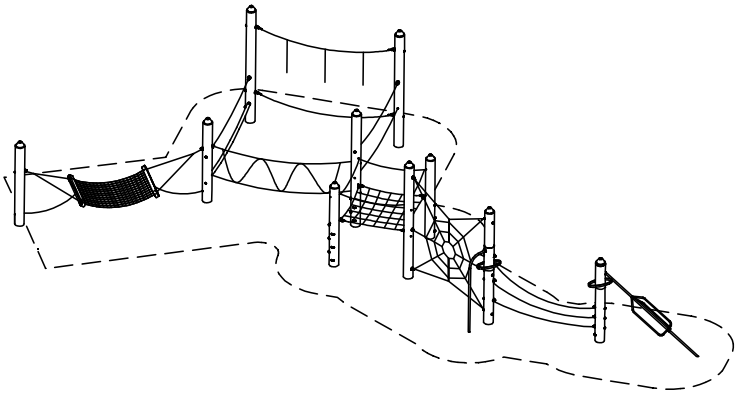
Sintered bush
For all reciprocating movements we use sintered plain bearings which are self-lubricating in use and can easily be exchanged if necessary

Chains
Chains made of hot-dip galvanized steel (1.4301 / 1.4571 at extra charge) welded before galvanising, short-linked, without eyelets on the connecting parts, easy to exchange and shorten

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

Cone tip made of stainless steel

Professional climbing grips made of a mixture of sand/synthetic resin with 100% safe anti-rotation system against unintended twisting of the grips

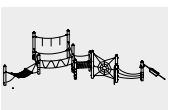


Standard colour of ropes is red.

Rope Course
Type 02

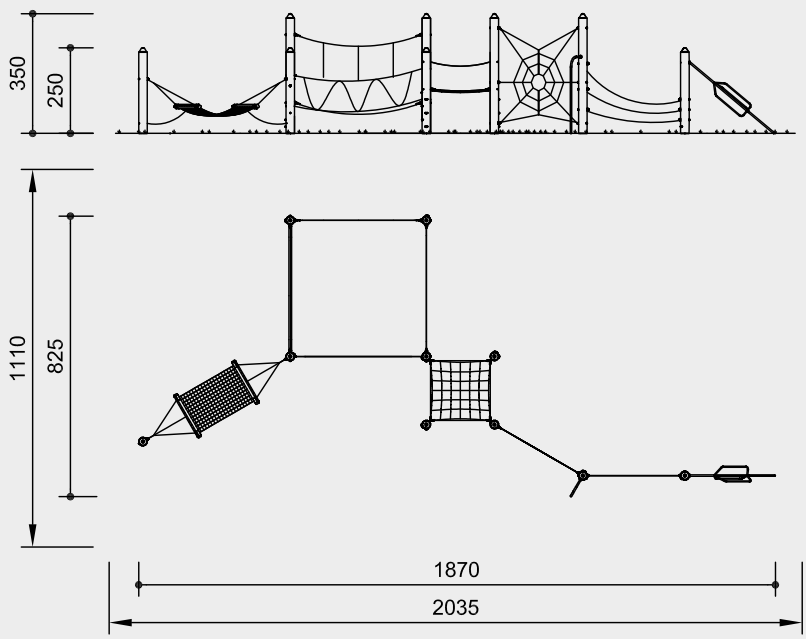
Fundamental characteristics
- Modular system based on cylindrical concrete columns
- Strengthen self-protective reflexes
- Play offer: different climbing opportunities
- Exercise activity: climbing, balancing, role-playing games

Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar



6.49020

Order No. 6.49020
Rope Course Type 02



Not to scale

Safety check according to EN 1176

Components

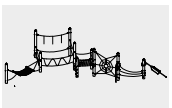
10 Concrete columns
1 Square net
1 Vertical spider web
1 PP rope with hand rope
26 Climbing grips
1 Hammock
1 Parallel rope
1 Grip rope with walk rope
1 Walk rope with hand rope
1 Triple rope, installed at a steep angle
1 Firemen's pole
1 Whisk

German registered design
No. 20 2016 106 097.4

Installation information

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

Foundations
Concrete columns
10 items Ø 80 x height 70 cm
excavation depth 90 cm
Whisk
1 items 30 x 80 x 40 cm
excavation depth 60 cm
Firemen's pole
1 items 30 x 30 x 30 cm
excavation depth 50 cm



6.49020

System details

- Height of columns
  incl. cone tip 2.50 m and 3.50 m
- Distance between columns up to 4 m
- Arranged in a straight line or in a zig-zag pattern
- Zig-zag line requires 30° layout
- The installation heights for the additional elements can be chosen freely
- Horizontal nets from 1 m height with hand ropes all round
- Ropes installed one above each other (e.g. balancing rope and hand rope) will always be mounted on the same axis (no side offset)
- Horizontal nets can also be installed with an inclination

Attention:
Exact measurements may vary; for all installation dimensions refer to current assembly instructions.
We reserve the right to make technical alterations!

Dimensions
(small deviations possible)

Height	3.50 / 2.50 m
Length	18.70 m
Width	8.25 m
Weight	5300 kg
Columns diameter	25 cm

Technical information

Columns made of self-compacting concrete C 35/45, steel reinforced, Ø 25 cm, grain size 0 to16 mm, sand-blasted surface

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Hercules type rope
Hercules type rope for spliced net connections, a combination of steel and polyester or polyamide yarn for the sleeve, abrasion-protected, 4 or 6 strands

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

S-connectors
S-connectors Ø 8.1 mm,
made of high-quality stainless steel, rounded

Rotating rope connection
Rotatable fitting without dangerous openings, with sintered bush with integrated swivel to ensure the rope untwists

Rope connection with joint
Close-fitting connection with joint, without dangerous openings, with sintered bush and adjustable screw connection

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

Sintered bush
For all reciprocating movements we use sintered plain bearings which are self-lubricating in use and can easily be exchanged if necessary

Chains
Chains made of hot-dip galvanized steel (1.4301 / 1.4571 at extra charge) welded before galvanising, short-linked, without eyelets on the connecting parts, easy to exchange and shorten

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

Cone tip made of stainless steel

Professional climbing grips made of a mixture of sand/synthetic resin with 100% safe anti-rotation system against unintended twisting of the grips

Play value
The round concrete columns build unwavering confidence, and playing in the ropes and nets between them is fun. **Climbing requires,** above all, gripping skills and it allows children to strengthen their innate self-protective reflex.

Assembly is simple (concrete in in-situ concrete). In addition, **inspecting the system and checking its structural stability** is very easy compared to other systems.

The large diameter of the **concrete columns** ensures durability. So the main purpose of concrete column checks is to determine whether the stability of the columns has been affected by vandalism.

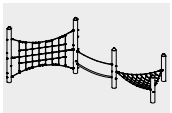
All ropes and fittings are of proven Richter quality and can be inspected easily.

Safety
The Rope Course is delivered according to the current European Standard for Play Equipment, EN 1176.
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 of more than 3 m.

Delivery and assembly
take place in 2 steps:
1. Ground works
2. Assembly of concrete columns and playground equipment

German registered design
No. 20 2016 106 097.4

Rope Course
Combination Elements



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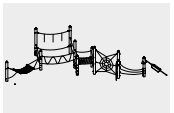

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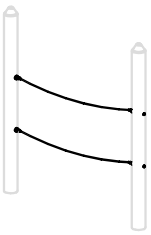
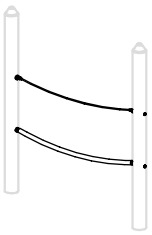
The following section shows you the individual elements from which our rope course can be combined.
We would be pleased to create plans for your individual rope course.

Concrete column diameter 25 cm
Order No. 6.49100, Length 350 cm
Order No. 6.49101, Length 250 cm
Order No. 6.49102, Length 170 cm

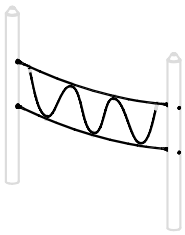
Climbing Grip per item
Order No. 6.49103



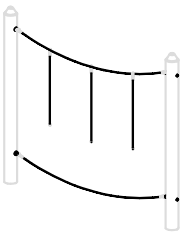
Walk Rope with Hand Rope 3 m
Order No. 6.49108
Walk Rope with Hand Rope 4 m
Order No. 6.49109



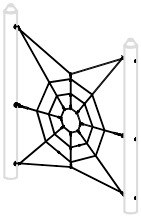
PP Walk Rope with Hand Rope 3 m
Order No. 6.49112
PP Walk Rope with Hand Rope 4 m
Order No. 6.49113



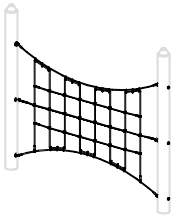
Parallel Rope, various types
Order No. 6.49114 ff.



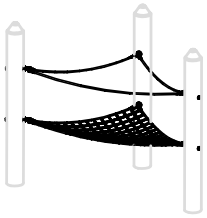
Grip Ropes with Walk Rope 3 m
Order No. 6.49120
Grip Ropes with Walk Rope 4 m
Order No. 6.49121



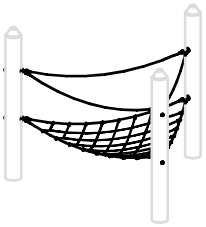
Spider's Web 3 m
Order No. 6.49122



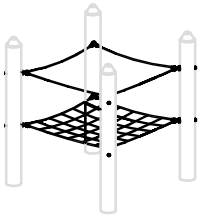
Vertical Climbing Net 4 m
Order No. 6.49123



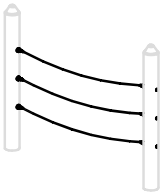
Triangular Net, fine-meshed
Order No. 6.49124 without Hand Ropes
Order No. 6.49125 with Hand Ropes



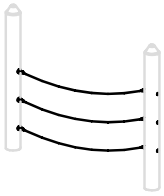
Triangular Net, wide-meshed
Order No. 6.49132 without Hand Ropes
Order No. 6.49133 with Hand Ropes



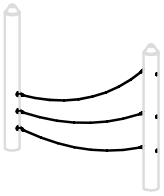
Square Net
Order No. 6.49126 without Hand Ropes up to 99 cm height
Order No. 6.49127 with Hand Ropes



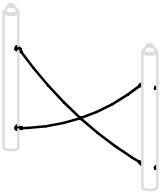
Triple Rope 3 m horizontal
Order No. 6.49128



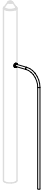
Triple Rope 3 m slightly ascending
Order No. 6.49129



Triple Rope 3 m strongly ascending
Order No. 6.49130

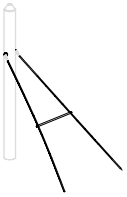


Crossed Rope 3 m
Order No. 6.49131

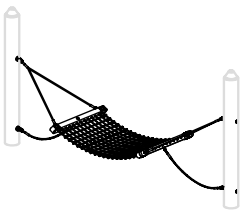


Firemen's Pole
Order No. 6.49138

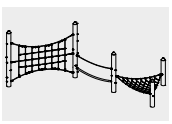
Whisk
Order No. 6.49139



Rope Bar
Order No. 6.49140



Hammock
Order No. 6.49141



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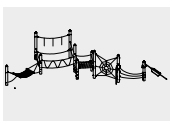


6.49020

Photo © Daniel Perales

Individual climbing equipment

Concept

Climbing, climbing through, balancing, sitting - our individual climbing equipment offers a wide range of play and movement possibilities.
The design features are based on the individually designed play equipment with different heights and degrees of difficulty for small and large children. The attractive wooden surface of some products also offers a positive sensory appeal.

Material

We exclusively use for the following devices next to stainless steel 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. The special 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.
The advantages of larch grown in the mountains are clear:
- Tighter growth ring,
- Fewer resin pockets,
- Less cracking.

Therefore a greater solidity and above all a higher durability.

Safety

The climbing structures have been type tested, i.e. a safety certification according to the up-to-date Play Equipment standard EN 1176 has been obtained.

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

Recommended for
- Public play areas such as playgrounds, leisure areas or similar
- Supervised play areas such as kindergartens, children's homes, nurseries or similar

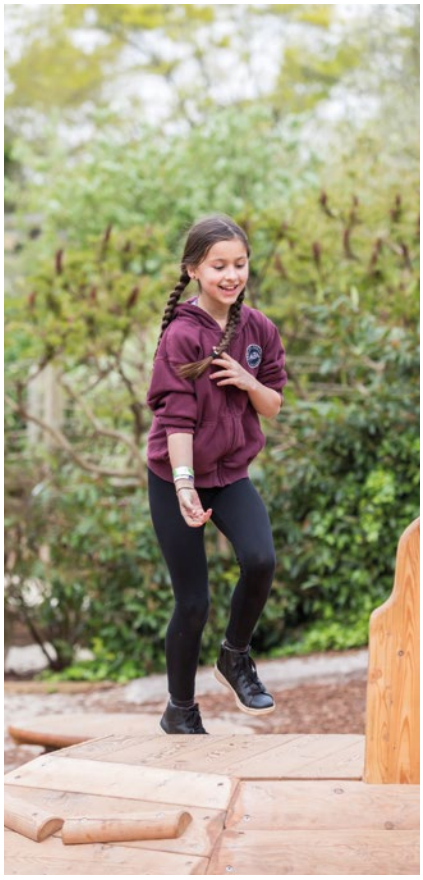


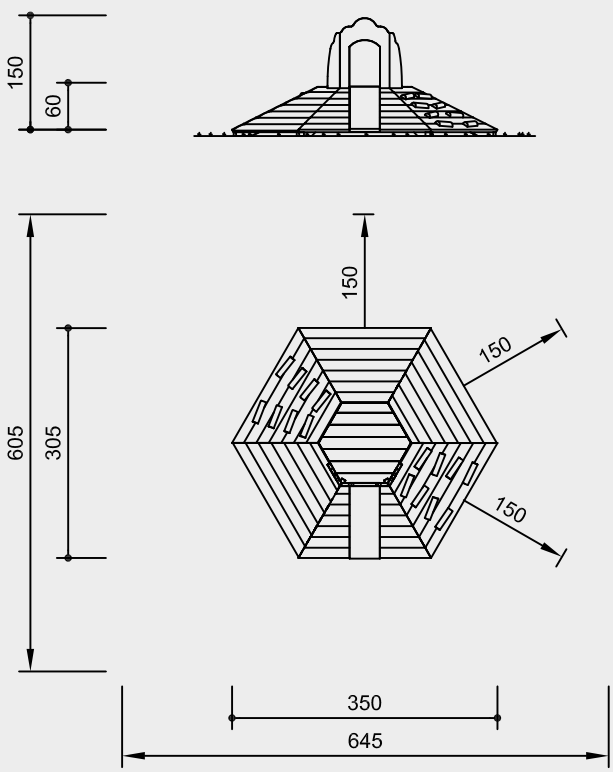
Photo © Barbara Evripidou

Photo © Barbara Evripidou

Dwarf Hill

4.06000

Order No. 4.06000
Dwarf Hill



Safety check according to EN 1176

Components

2 Parts of the hill
artly with climbing aids
1 Inclined stainless steel surface
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.
Technical changes reserved.

Technical information

Equipment made of non-impregnated mountain larch

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

Claddings
Claddings made of mountain larch (4 – 5 cm) or spruce / fir (3 – 5 cm). Peeled white by hand, natural tree surface remains tangible and perceptible

Tongue and groove
Tongue and groove planks made of 4 cm solid wood, highly resilient, no trickling of dust / sand, protection against direct rain

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

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

Stainless steel sliding surface

Dimensions
(small deviations possible)

Height	1.50 m
Height of the hill	0.60 m
Length	3.50 m
Width	3.05 m
Weight	360 kg

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 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.

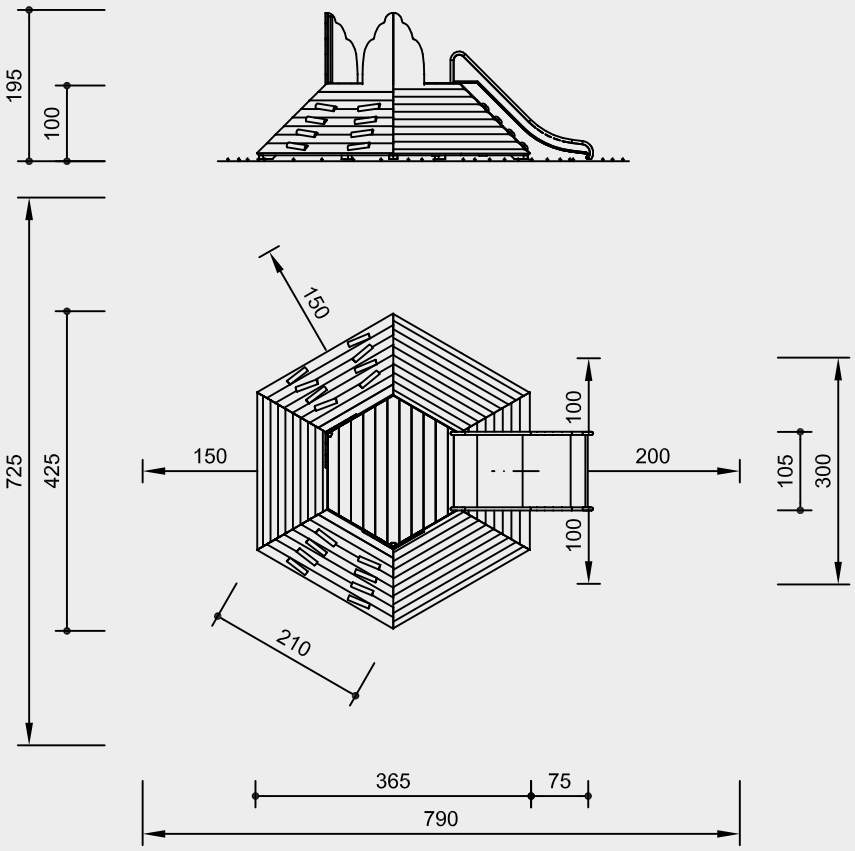
Little Mountain

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

Recommended for
- Public play areas such as playgrounds, leisure areas or similar
- Supervised play areas such as kindergartens, children's homes, or similar

4.06010

Order No. 4.06010
Little Mountain



Scale 1:100

Safety check according to EN 1176

Components

2 Parts of the mountain
artly with climbing aids
1 Floor with 1 frame
2 Walls
1 Stainless Steel Slide
Order No. 3.63300

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.
Technical changes reserved.

4.06010

Technical information

Equipment made of non-impregnated mountain larch

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

Claddings
Claddings made of mountain larch (4 – 5 cm) or spruce / fir (3 – 5 cm). Peeled white by hand, natural tree surface remains tangible and perceptible

Tongue and groove
Tongue and groove planks made of 4 cm solid wood, highly resilient, no trickling of dust / sand, protection against direct rain

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

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

Slide
total construction made of stainless steel, thickness of the sides 2 mm, thickness of sliding surface 2.5 mm, slide walls glass bead blasted

Dimensions
(small deviations possible)

Height	1.95 m
Height. of mountain	1.00 m
Length	4.40 m
Width	4.25 m
Width slide	1.00 m
Weight	570 kg

Play value
The wooden posts of the Rope Pyramid carry and virtually protect a net structure in which children love to sit or lie together. They also enjoy climbing to the top of this attractive piece of equipment via the nets. And the balancing rope below the open front of the net structure invites them to carry out little acrobatic exercises and promotes their sense of balance.

Model as a combination example

Rope Pyramid

Fundamental characteristics
- Child-oriented dimensions according to ergonomic criteria
- Very appealing design
- Movement: climbing, sitting, balancing

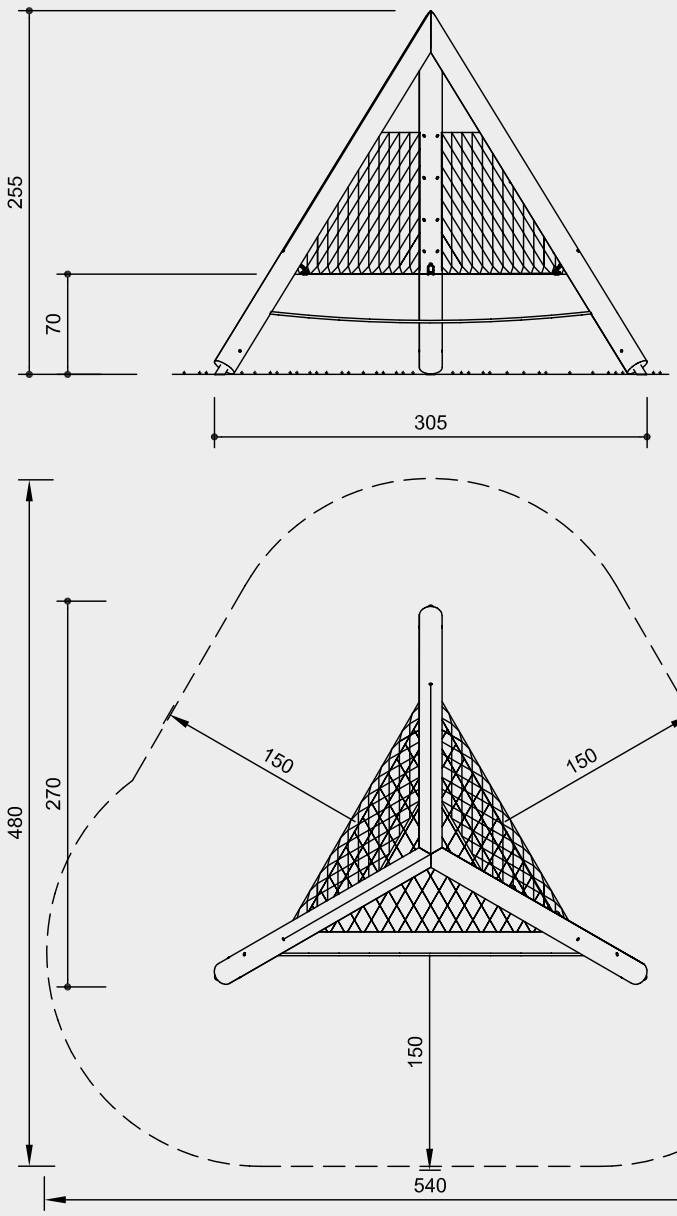
Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas, such as kindergartens, schools, after-school programmes or similar

Notice
The image above is an example of the installation in a **non**-public area.
In public areas, the Surfacing must correspond to a fall height of ≤ 2.00 m.
In addition, the height of the net upper edge is different (see technical information on the reverse side).

Design G. Beltzig

4.19200

Order No. 4.19200 Rope Pyramid



Scale 1:50

Safety check according to EN 1176

Components

3 Stand posts with steel feet
3 Small meshed nets
1 Climbing rope

Installation information

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

Foundation
3 items 60 x 60 x 50 cm
Excavation depth 70 cm

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

Technical information

Equipment made of non-impregnated mountain larch

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

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

Climbing rope:

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Aluminium rope pressing
Aluminium rope pressing, cylindrically pressed, with rounded ends

Net structure:

Hercules type rope
Hercules type rope for spliced net connections, a combination of steel and polyester or polyamide yarn for the sleeve, abrasion-protected, 4 or 6 strands

S-connectors
S-connectors Ø 8.1 mm, made of high-quality stainless steel, rounded

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

Dimensions
(small deviations possible)

Height	2.60 m
Height of net	0.85 m
Length	3.05 m
Width	2.70 m
Weight	180 kg

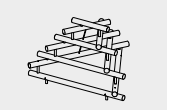
4.19200

Play value
Our Climbing Stack, made of debarked round timber, attracts attention and interest even from a distance. Thanks to different levels, large numbers of children can play together in a small space: the Climbing Stack allows for a flowing play rhythm even if lots of children spontaneously want to play. The Climbing Stack isn't just for climbing, experiencing heights and exploring the senses using hands and feet, it's also an attractive seating area, where the children can rest, chat and observe.

Climbing Stack 1

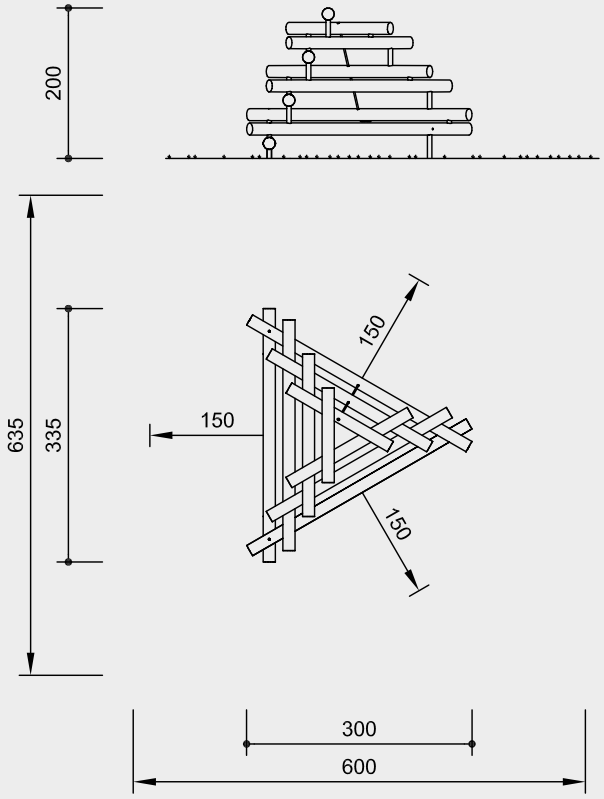
Fundamental characteristics
- Impressive design statement
- Very special appeal
- Attractive meeting point
- No pre-determined play procedures, also able to be used as stands for spectators, individual mastering
- Incentive for playing: experiencing height
- Movement: climbing up and around, balancing

Recommended for
- School children
- Young people
- Public play areas without supervision such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar



4.21000

Order No. 4.21000 Climbing Stack 1



Scale 1:100

Safety check according to EN 1176

Components

9 Round logs
incl. 3 steel feet
1 Holding rope

Installation information

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

Foundations
2 items 50 x 50 x 50 cm
Excavation depth 70 cm
1 item 60 x 60 x 30 cm
Excavation depth 50 cm

Attention:
Exact measurements may vary; for all installation dimensions refer to current assembly instructions.
We reserve the right to make technical alterations!

Technical information

Equipment made of non-impregnated mountain larch

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Richter Hercules type rope
Richter Hercules type rope, a combination of galvanised six-strand steel cables and polyester yarn, diameter > 20 mm, laid and glued with very good abrasion resistance, strong sheathing even in the case of damage by puncturing

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

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

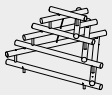
Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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

Dimensions

(small deviations possible)

Height	2.00 m
Length	3.00 m
Width	3.35 m
Weight	460 kg



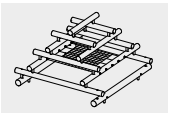
4.21000

Play value
The climbing pyramid, constructed from debarked round logs, attracts attention and interest even from a long distance away. Its popularity arises from the different levels, which encourage a whole range of different exercise and role-playing games. The individual bars can be climbed and explored, serving not only for experiencing height and for tactile experiences on hands and feet, but also as attractive seating for resting, observing and chatting. It's even more relaxed in the integrated hammock, which offers enough space for several children at the same time.

Fundamental characteristics
- Impressive design statement
- Very special appeal
- Eye-catcher of a play area
- Attractive meeting point
- Incentive for playing: curiosity, role-playing games, experiencing height
- Movement: climbing up

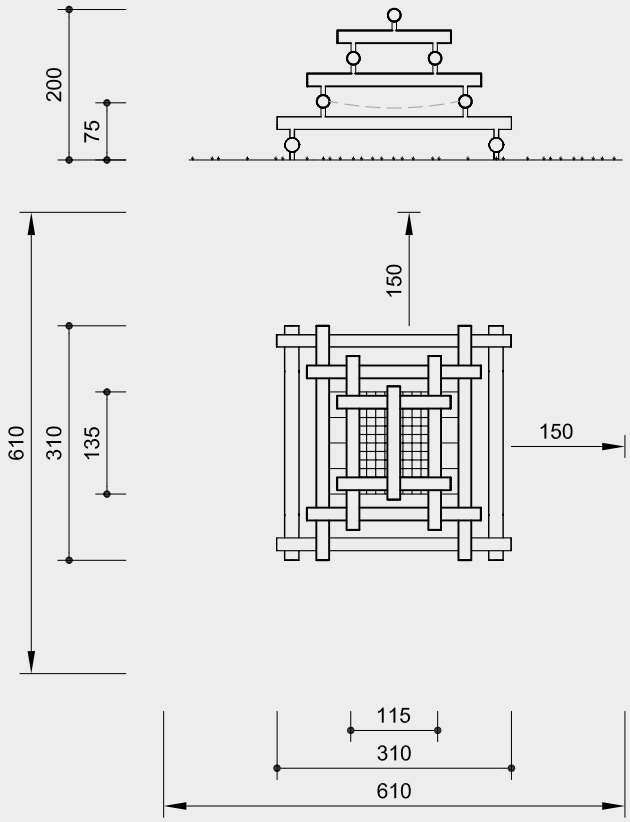
Recommended for
- School children
- Young people
- Public play areas without supervision such as playgrounds, parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

Large Climbing Pyramid



4.21100

Order No. 4.21100
Large Climbing Pyramid



Scale 1:100

Safety check according to EN 1176

Components

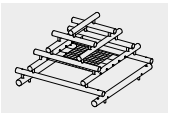
13 Round logs
incl. 4 steel feet
1 Horizontal net

Installation information

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

Foundations each
4 items 50 x 50 x 50 cm
Excavation depth 70 cm

Attention:
Exact measurements may vary; for all installation dimensions refer to current assembly instructions.
We reserve the right to make technical alterations!



4.21100

Technical information

Equipment made of non-impregnated mountain larch

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Hercules type rope
Hercules type rope for spliced net connections,
a combination of steel and polyester or polyamide yarn for the sleeve, abrasion-protected, 4 or 6 strands

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

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

Chains
Chains made of hot-dip galvanized steel (1.4301 / 1.4571 at extra charge) welded before galvanising, short-linked, without eyelets on the connecting parts, easy to exchange and shorten

Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

Fastening of nets
Fastening of net by means of adjustable stainless steel chain fixation, easy assembly and maintenance

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

Dimensions

(small deviations possible)

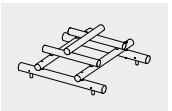
Height	2.00 m
Height of net	0.75 m
Length	3.10 m
Width	3.10 m
Net	1.35 x 1.15 m
Weight	660 kg

Play value
The climbing pyramid, constructed from debarked round logs, attracts attention and interest even from a long distance away. Its popularity arises from the different levels, which encourage a whole range of different exercise and role-playing games. The individual bars can be climbed and explored, serving not only for experiencing height and for tactile experiences on hands and feet, but also as attractive seating for resting, observing and chatting.
The smaller version of our pyramid is particularly suitable for younger children, who can follow their natural drive for discovery and gain their first climbing experience here.

Fundamental characteristics
- Impressive design statement
- Very special appeal
- Eye-catcher of a play area
- Attractive meeting point
- Incentive for playing: curiosity, role-playing games, experiencing height
- Movement: climbing up

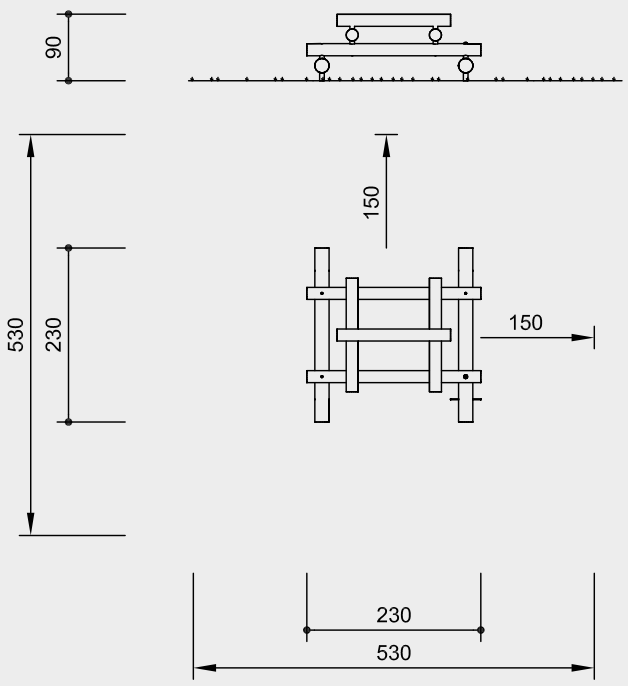
Recommended for
- Kindergarten children
- School children
- Public play areas without supervision such as playgrounds, parks, leisure parks or similar
- Supervised play areas such as kindergartens, schools, after-school programmes or similar

Small Climbing Pyramid



4.21110

Order No. 4.21110
Small Climbing Pyramid



Scale 1:100

Safety check according to EN 1176

Components

7 Round logs
incl. 4 steel feet

Installation information

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

Foundations each
4 items 50 x 50 x 50 cm
Excavation depth 70 cm

Attention:
Exact measurements may vary; for all installation dimensions refer to current assembly instructions.
We reserve the right to make technical alterations!

Technical information

Equipment made of non-impregnated mountain larch

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

Profiled washer
Profiled washer for covering protruding screw heads according to standard, improved pressure distribution and protection against water. Impedes loosening the bolt

Adjustable
Adjustable two-piece bolt connection, easy to maintain,
no projecting threads

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

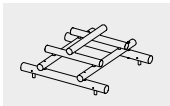
Relief cut
Targeted relief cut as an effective measure against cracks caused by drying. The cut defines the position of the stress equalization in the trunk and minimises natural cracking

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

Dimensions

(small deviations possible)

Height	0.90 m
Length	2.30 m
Width	2.30 m
Weight	350 kg



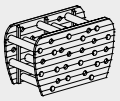
4.21110

Play value
Climbing, crawling inside or crawling through: the Climbing Loom offers children from three years of age various opportunities to test out their agility but also to hide in one of the spaces between the logs. Skill is required to manoeuvre through the Loom of logs like a snake.

Fundamental characteristics
- Logs arranged like a loom
- Peepholes at the side
- Movement: climbing up and around, crawling

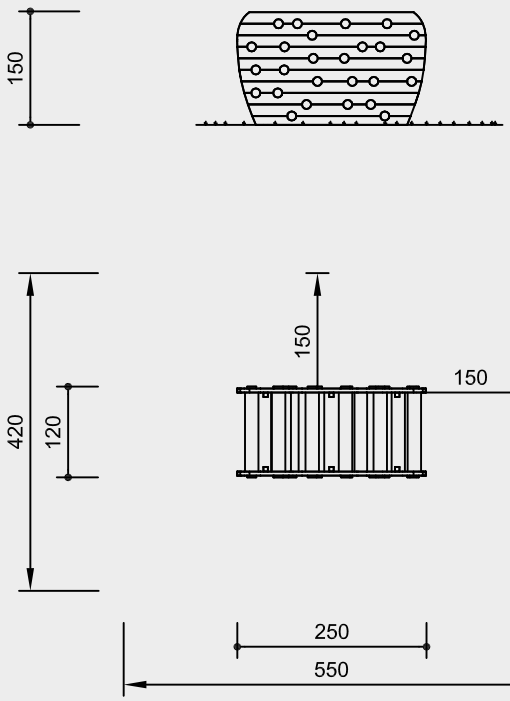
Recommended for
- Kindergarten children
- School children
- Public play areas such as kindergartens, schools, after-school programmes or similar

Climbing Loom



4.20000

Order No. 4.20000
Climbing Loom



Scale 1:100

Safety check according to EN 1176

Components

1 Climbing loom complete
with 4 steel feet

Installation information

Surfacing requirements
corresponding to a fall height of ≤ 1.50 m
(please refer to price list for more
detailed information)

Foundations
4 items 50 x 50 x 40 cm
Excavation depth 80 cm

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

Technical information

Equipment made of non-impregnated
mountain larch

Peeled white
Palisades peeled white means that bark, cambium and sapwood are removed, the natural shape of the trunk is preserved and can be experienced

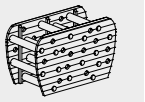
Core-free
Sawn-timbers core-free, thus decreasing occurrences of cracking and undesired changes in shape

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

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

Dimensions
(small deviations possible)

Height	1.50 m
Length	2.50 m
Width	1.20 m
Weight	550 kg



4.20000

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 place matching 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

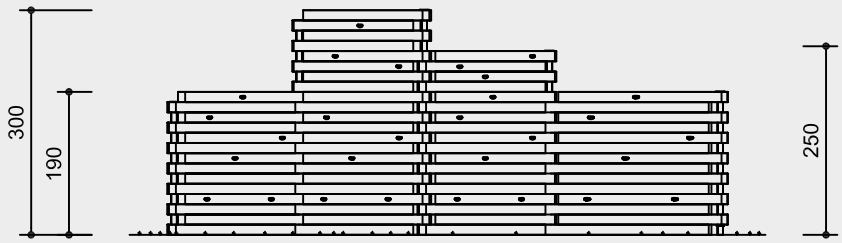
Recommended for
- School children
- Young people
- Leisure parks
- Swimming pools without supervision, such as outdoor pools, adventure pools or similar
- Public play areas without supervision, such as playgrounds, parks or similar

Climbing Wall with 2 elements
Climbing Wall with 4 elements

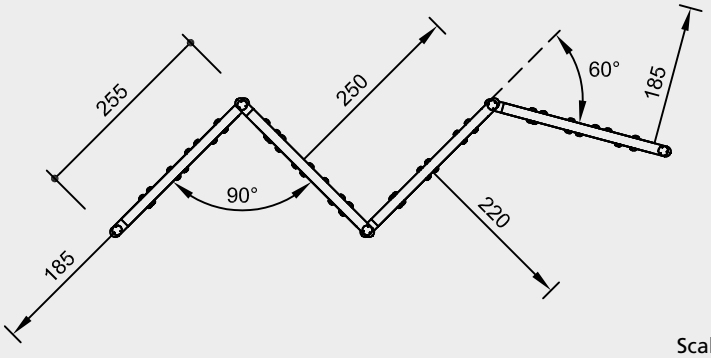
7.77010

7.77060

Order No. 7.77060
Climbing Wall with 4 elements



Example of a possible arrangement



Scale 1:100

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
≤ 2.00 to max. ≤ 3.00 m
(please refer to price list for more detailed information)

Foundations
Order No. 7.77010 with 2 elements
3 items 100 x 100 x 50 cm
Excavation depth 70 cm
Order No. 7.77060 with 4 elements
5 items 100 x 100 x 50 cm
Excavation depth 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.
Technical changes reserved.

Technical information

Equipment made of non-impregnated mountain larch

Walls in block construction of square timbers 14 / 14 cm

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

Ground anchor
Steel tubes Ø 78 mm,
All parts used for anchoring to the ground are made of hot-dip galvanised steel or stainless steel

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

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)

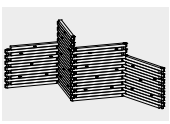
Order No. 7.77010
Climbing Wall with 2 elements

Height	1.90 m
Element width	2.55 m
Weight	1000 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	2500 kg

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 particularly suited to the teenager's area.

Fundamental characteristics
- Unique and original
- Damped anchorage, which enables the free-standing poles to swing, is included in delivery
- Incentive for playing: tapping the bell
- Exercise activity: climbing

Recommended for
- School children
- Young people
- Public play areas without supervision, such as playgrounds, parks or similar
- Supervised play areas, such as kindergartens, schools, after-school programmes or similar
- Swimming pools without supervision, such as outdoor pools, adventure pools or similar

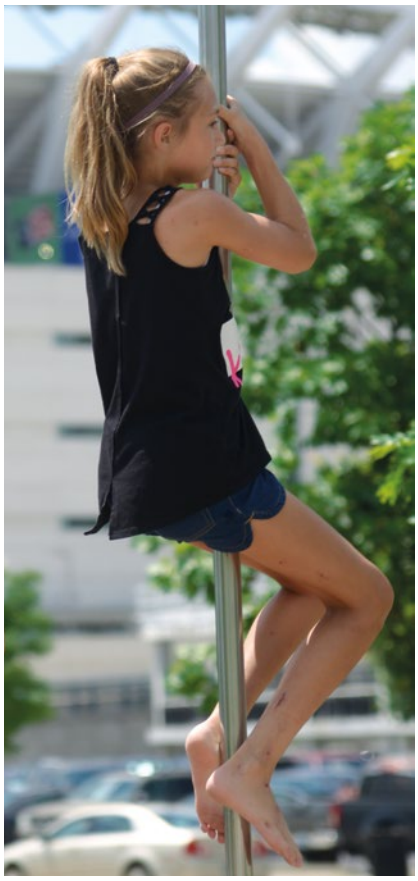


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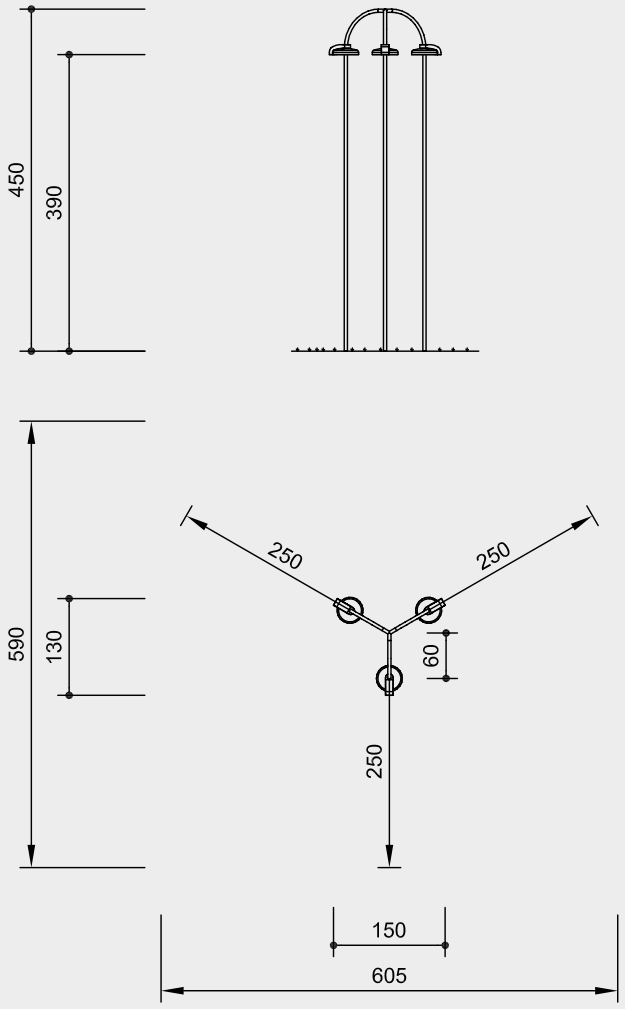
Photo © Daniel Perales

Photo © Daniel Perales

Bell Climbing Poles

7.90000

Order No. 7.90000
Bell Climbing Poles



Scale 1:100

Safety check according to EN 1176

Components

3 Climbing poles, welded together, 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 0.80 m
Excavation depth 1.20 m

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

Technical information

Equipment made of stainless steel

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

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

Climbing poles of stainless steel, reinforced against kinking in the lower half

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

Dimensions
(small deviations possible)

Height	4.50 m
Height of bells	3.90 m
Length	1.50 m
Width	1.30 m
Wall thickness of tubes	42 x 3.2 mm
Weight	160 kg

7.90000

Do you want to know more about us?

(1) The main catalogue comprises our complete range of standard equipment.

A selection of our products is described in the following theme catalogues:

(2) Acoustic and Play

(3) For the Very Young

(4) Child at Play

(5) Water and Play

(6) Growing Older

(7) Graubner Play Stations for Developing the Senses

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