



Berliner

Play Equipment for Life

The first steps towards Berliner Seilfabrik were made in 1865, when a company producing ropes for the Berliner elevator industries was founded. The quality of the Berliner ropes has gained a world wide reputation. The first net structures developed for climbing equipment were created in the early 70's. Now, with over 40 years of experience in the playground equipment industry, combined with our extensive rope manufacturing knowledge we have designed a variety of products for unique playground landscapes which comply with international safety standards. Our playground landscapes are instantly recognizable, due to the combination of extensive rope design development and creative ideas.

National and international patents of the majority of our products are proof of our individuality and technical edge.

The integrity of our structures has been recognized by the German, European and American standard committee for sport and leisure equipment, of which we are permanent members.

Our claim **Play equipment for life** means a lot to us. It defines the way we build playgrounds and the way we think. Our playgrounds are built for generations. They are sustainable because due to using high quality materials and first-class workmanship they last extra long. This protects the children, saves the environment, the resources and the lifecycle cost. 70% of our steel and 85% of our aluminium is made of recycled material. Our bamboo panels are more wear-resistant and durable than tree wood. It's carbon footprint is many times better. All of our production has been PVC-free for many years. All remaining materials are put back into the recycling process. Our state-of-the-art powder coating process works solvent-free. All of our products meet and exceed the regulations for lead in paint, lead in substrate and phthalates. At Berliner Seilfabrik, we don't just think green, we work green.





**Terranos
Net Landscapes**



**Greenville
Playhouses**



**Designing Inclusive
Playgrounds**



**Univers
Spatial Nets**



**Urban Design Berlin
Playpoints**



**Berlin.08
CombiNation**



**Polycode
Central Mast
Play Structures**



**Designing Inclusive
Playgrounds**



**Discover Play Equipment
for Small Children**



**Elements for Low
Rope Courses
Terranos & Terranova**



Face-to-Face Swing





Custom-made

Thanks to its modular design, our equipment can be combined in infinite ways. Such individualisation finds its highest expression in our custom-made projects. Berliner's Creative Centre, made up of more than ten architects, designers, landscape planners and engineers, will assist you in turning your ideas into reality. To help you visualise your ideas, we can produce high quality visual renderings prior to the construction phase. "Custom-made projects are always very special," explains Marius Kotte, head of the construction and development department. "We create something completely unique. It's often the case that the landscape for which the structure is designed ensures the design cannot be replicated elsewhere. In other cases, it's the history of the structure's location that ensures special results. For example, natural catastrophes spurred the creation of both the "Aventura" and "Margaret Mahy Family Playground" projects, both of which bring a breath of fresh air as well as children's laughter to the affected sites."



Christchurch Margaret Mahy Family Playground

The Margaret Mahy Family Playground in Christchurch was built after the major earthquake that struck New Zealand in February 2011, which affected Christchurch in particular. The project was meaningful for all those involved, but in particular for the area's inhabitants and visitors to the playground.

The earthquake struck the city centre with great force, requiring the entire city to be planned afresh. The playground forms part of a park, located centrally so as to ensure the return of laughter to the very heart of the city, not to mention bringing the city's inhabitants together once more. After the earthquake, the park's construction was given priority by the authorities, it being one of their first large-scale projects.

The detailed planning phase from early 2013 to mid-2015 included a playground design competition held among schools in the Canterbury region. Entries to this competition helped inspire the final design as drawn up by Berliner Seilfabrik.



One of the greatest challenges facing the team at Berliner's Creative Centre was to procure reliable topographical data from the park designers on the ground, since the creation of artificial hills was envisaged as part of the park's landscape. To this end, playground concepts were created, based on which preliminary drafts were then drawn up and offered. With the completion of landscape modelling, the entire site was surveyed. The resulting three-dimensional data set was used by Berliner Seilfabrik to create a virtual site. Based on this, the play structure was conceived, manufactured and installed on site with the utmost precision. By allowing for this extraordinary set of circumstances, the various play elements could be erected on a site that was not flat, but hilly.



The first section of the playground was inaugurated in December 2015 and met with great success. The large custom-made net, stretched across two enormous masts, is currently the main attraction. With the opening of the second section in spring 2016, this playground will become one of the largest and most modern in the southern hemisphere, while nevertheless retaining its sense of place. The playground's layout is based on Canterbury's four main natural habitats: "The Forest", "The Wetlands", "The Plains" and "Coastal". The playground's second section will be characterised by a gigantic tower combination designed and built by Berliner Seilfabrik. The structure consists of three large towers enabling children to climb up to eight metres above ground level. A spectacular spiral slide transports children from the top back down to ground level. Each tower is enhanced by bamboo panels, which has led to their being included in Berliner's Greenville Towers & Triis product range.



Foto: © CERAK Christchurch MMFP

Bangkok Famplayland at Central Festival East Ville

Central Festival East Ville is the name of a huge shopping mall in the east of Bangkok. The intention of the operators was to build a shopping centre with an offer that ranges beyond the typical consumption options. Under the heading "Bangkok Escape", the stressed and traffic-plagued residents of the city were meant to find peace and relaxation here. In addition to a jogging track on the roof, there is also a children's area on several floors since the summer of 2016. In the so-called FAMPLAYLAND children can develop their physical, mental and social skills in a protected environment at 10 different "Activity stations".

The absolute highlight is a nearly 9-metre tall climbing tower with a 118-m³ large three-dimensional climbing net inside. The tower extends across three levels of the FAMPLAYLAND and comprises six stacked room-cell layers. To ensure the necessary safety, the exterior is enveloped with a synthetic net. On the top-most floor, an approx. 8-metre long tunnel slide is attached and ensures a speedy descent.

The customer was searching for play equipment that optimally matches the conditions of the play area. Based on the relatively small base area and a ceiling height of 10.5 meters, a spatial net lent itself to perfectly utilise the space. "The decisive source of inspiration for that came from the Berliner space net at the Swarovski headquarters which also spans several levels" remembers Eukrit Kraikosol, Head of Operations at Park & Garden and co-operator of the FAMPLAYLAND.



"The highest free-standing indoor installation of a space net."



"In contrast to Swarovski, the indoor area of the shopping mall did not have any connection options for tensioning points," says Marius Kotte, architect at Berliner Seilfabrik and Head of Construction and Development. "The solution was the anchoring of the 8.5-metre tall steel posts into the floor that form the outer shell of the tower. The clamping elements could be attached to the posts within the structure. The upper clamping balls were brought into the correct position with anchoring cables," explains Marius Kotte. That way, the climbing tower in the FAMPLAYLAND is the highest free-standing indoor installation of a space net.

In addition to the optimal utilisation of the available space, the climbing tower also conceptionally fits very well into the kid's area of the Central Festival Eastville. Climbing in the three-dimensional space challenges and supports the children. It helps them to develop their psychomotoric skills and their three-dimensional powers of imagination. "The tower is a suitable challenge for the children and gives them the feeling of having achieved something, when they reach the top of the tower. Then the slide is the perfect reward to descend the net," summarises Eukrit Kraikosol.





Be'er Scheva A New Family Attraction



Be'er-Sheva in southern Israel is one of the country's largest cities. It is considered by many to be the "Capital of the Negev", which it borders on. As a so-called "developing city", Be'er-Sheva has been turning into a religious centre and has also become an important Israeli metropolis over the recent decades.

In order to maintain the city's attractiveness for its 200,000 inhabitants, it is crucial to create attractive facilities for young families. In addition to emerging residential neighbourhoods, the growing industrial sector and increasing tourism, new local parks have been established in the last few years. One of these is Be'er-Sheva River Park. Covering an expanse of several square kilometres, the large River Park follows the course of Nahal Be'er-Sheva, a large riverbed that does not carry any water during the dry season.

As of June 2017, the park boasts a new centrepiece: a massive playground, consisting of a vast climbing landscape made up of equipment provided by Berliner Seilfabrik. Seven differently equipped climbing towers are evenly distributed over an area of approx. 1,000 m². They serve as the foundation pillars of this climbing paradise. The towers are connected with net bridges that are up to 6 metres in length. Some of the bamboo-clad towers are more than 8 metres high, giving them the appearance of a tree house village thanks to their natural design. Besides its remarkable size and complexity, another special feature of the play-



ground is its density of climbing structures and the way these are connected. Any "gaps" have been filled using additional exciting equipment. Climbing mats, ladders, nets and climbing ropes add many more options for climbing and playing, making the playground even more versatile. A neighbouring lower rope course for children who are not quite ready to make their way up to the "treetops" offers additional variety and an exciting challenge for smaller children.

In addition, six long, slightly twisted or even spiralling slides have been attached to the climbing towers. Whizzing down one of these slides is the perfect reward to every bold climber! The slides for this project were supplied by Israeli partner Games & Sports and could be easily attached to the towers thanks to Berliner Seilfabrik's modular system. In the vicinity of the climbing structures, numerous additional attractions such as seesaws and carousels complete the playground's range of activities in an impressive fashion.

The new climbing landscape has been designed in a cooperation of Games & Sports Head of Design, Galina Man, and the company's Vice President of Marketing, Meirav Moshka, with the planners at Berlin's Creative Centers. Roei Shabtay, Executive Assistant to the CEO at Games & Sports, is more than happy with the result. In particular, he loves how "every area offers a different activity".

Another speciality of the playground is its distinctive canopy. The entire climbing structure is protected by multiple shade sails arranged in a star-shaped pattern. As severe dust storms can be quite a frequent occurrence in the Be'er-Sheva region, these sails give not only shade, but also protect the playground structures and their users from the bothersome fine grains of sand. Several poles were installed to attach the canopy. Roei Shabtay explains, "We had to pour a joint foundation to be able to anchor this great number of poles in the ground. The poles for the playground equipment and the poles for the shade sails share one foundation." Despite the large amount of poles in one place, the designers managed to observe the necessary clearance distance, thus ensuring maximum safety for the children.





Greensboro Children's Museum

The vision for the new Outdoor Play Plaza at the Children's Museum in North Carolina, USA, was to have an area with a theme-park feel, something that was more of a destination rather than a collection of swings, slides and spinners on the playground. It needed to be something that would bring visitors in, something that no one else had.

The Berliner team designed a revolutionary solution, a playground with an amusement park feel, by putting not just one 9-meter high Neptun XXL on the playground, but two and then connecting the structures with a 9 meter long tunnel!

Drive down the street and you can't miss these dueling climbing pyramids, enticing visitors to stop and explore. It is a highlight for the museum and a one-of-kind attraction.

These sculptural additions to the landscape provide children with plenty of ways to challenge themselves, make independent decisions and build their self-confidence.



The structures, taller than most two-story houses, are metal with rope netting inside and each has a play volume for more than 200 children and adults.

Yet, it's more than simply climbing to thrilling heights; the pyramids offer horizontal and close-to-the-ground play, and the open design (i.e., the lack of platforms inside the structure) encourages plenty of interaction among the children, which helps to develop socialization skills. And the true 3-dimensional climbers stimulate creativity and cognitive skills getting children to think about where they want to go, creating their own path to get there.

Another unique feature to the design is the 9-meter long net tunnel. Created using a small mesh, the tunnel offers an exciting challenge as children cross from one pyramid to the other. To make this even more unique, the pyramids have been customized with numerous climbing elements, such as: 3D net, inverted ladders, twisted nets, climbing rope, chin-up bars, sway bridge and wespennest lookout.



"A one-of-a kind attraction."

If children don't want to climb down, they can always speed down the attached 12-meter long, stainless steel slide. Half-open, the ride down is fast!

The Flubber Cube offers a different climbing and sensory experience. Whereas, the 3D net climbers provide great transparency, the Flubber Cube provides a little more privacy where children can sit or lay comfortably. Like a big, multi-level trampoline, when a child jumps in one corner, it affects children throughout the cube with a swaying up-and-down movement, creating more interaction among the children.



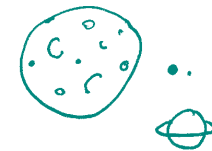
Medebach Aventura



It has a shaky start at the foot of the Bromberg (old stone quarry). A large entrance net leads into a treehouse-like tower – and that's just the beginning, the beginning of what is probably Europe's longest public space climbing facility. At 168m long, a succession of wildly different tunnels and bridges, balance play elements and rubber mats snake their way through various towers towards the top of the mountain.

In Medebach, a holiday location in Sauerland which attracts walkers during the summer and skiers in winter, "Aventura – der SpielBerg" was officially unveiled at the end of September 2015. The planning for the construction of a large leisure facility began several years ago. The Kyrill storm caused substantial damage in the area when it hit in 2007. The original concept for the climbing facility was based around the elements water and air. The playground, like the wind that blows up the mountain or the water that flows down it, was designed to be on a slope. The project was realised by the Gasse [Schumacher] Schramm architect's firm in Paderborn in collaboration with Berliner Seilfabrik.

What is also notable is that certain elements were developed during the course of the project. New products conceived during the



"Where the wind is sleeping."

project are, among others, the towers. The highest is 7.8m high. The free fall height never exceeds the maximum of 3 metres. Inside there are nets that lead visitors to a long spiral tunnel slide. Another tower is eye-catching due to its special shape. Here you can admire the beautiful view from above on a lookout point net. These towers are encased in bamboo panels. Berliner Seilfabrik uses bamboo because it lasts longer than wood and, in addition, has a better environmental footprint. It is a grass which grows again after it has been harvested, as opposed to tree wood. Large spheres hang in two towers like cocoons between the posts. Plate-shaped nets provide an access point. These elements should remain as transparent as possible, yet still safe and secure. That's why they were surrounded by close-mesh security nets. These were also used in one spot where a small gorge needed to be negotiated and where the classic suspension bridge leads over a rock face. Another particular challenge is the so-called chess board bridge. Square shaped rubber membranes are stretched between holding ropes. Children hop, rock around and relax here.

Almost 36 tonnes of steel was delivered to the construction site. Of the almost 100 posts that were used, the heaviest weighed 450kg on its own. During the test drilling carried out in the preliminary stages, solid rock was encountered near the surface. When digging the foundations for the facility, it turned out to be softer shale. The foundation work for the posts needed to be re-evaluated in the manufacturing process.

New levels were created on the surfaces where the towers and platforms stand. Wood chips were given the thumbs-up as the fall protection of choice, as they blend into the natural surroundings in terms of colour and ensure a safe fall. A genuine fall protection alternative for the slopes is turf. It integrates into the landscape seamlessly as it is a natural element, and will transform into a flower meadow in the course of time, without losing any of its fall protection qualities. The gradient of the slope is approximately 21 percent with significant variations at different parts of the ascent.



Elstal Karl's Climbing Silos

Just in time for spring 2015 and therefore the start of the amusement park season, Karl's Erlebnis-Dorf (Adventure Village) opens new playgrounds at various locations. One of them in Elstal close to Berlin and in Zirkow on Rügen. The two new play structures in Elstal und Zirkow are especially spectacular and possibly record-breaking. Karl's Climbing Silos are 13.2 metre high twin climbing towers with a 130 m³ size net inside and a slide of almost 17m length, which takes the summiteers back to the ground.

The landscape architect in charge, Ute Hoffmann, Bürogemeinschaft Stadt- und Dorfplanung, describes: "The idea for Karl's climbing silo developed in our Karl planning group from various requirements. On the one hand, we wanted to establish something unique for the older children as well, as we all have children of our own, who have partially "outgrown" the normal playgrounds for children. My own sons for example are 12 and 14 years old." A net is the perfect base for this. Climbing in a three-dimensional room challenges and encourages the children, their psychomotor abilities and their three-dimensional imaginative power. The rope is the suitable playmate. It reacts to the movement of the children. Every step and each grip offers movement.

She then explained: "The further challenge was to create a great attraction on a little space. The existing 12m high firefighting water tank was to be included thematically. As we like to integrate common village structures in Karl's Adventure Villages, we invented the design of the twin silo towers. The Climbing Silo was to look as if it were still under construction and therefore very airy. This increases the height adventure for the children and the guests on the Hof terraces are fully entertained while watching the children. The transparent design has been implemented very well with the choice of the material and the color of the ropes. Except for the outer skeleton, made of steel posts and steel rings, only different rope attachments were to be used. This also turned out very well and makes the climbing experience unique. Especially in Elstal we were also able to include a further, higher located gastronomic terrace through a tunnel".



Marius Kotte, architect at the Berlin Seilfabrik (Rope Factory) and head of the construction and development department, explicitly names the height of the device as a special challenge: "We had to make sure that it was possible to connect the parts without big measuring tolerances, as the net does not allow much measure deviation. Here, however, it was already the tolerances of the pipe supplier that gave us a headache, as this was already at +- 50mm with the 13m long poles. Due to the length of the posts, a mounting by simply positioning and screwing together was not possible. In addition, this kind of net has never been built before. For the net, connecting details between the tightening ball and the poles had to be developed. The net is hung in a "swimming" position; this means that the upper balls are brought into position by guy ropes. Here, too, a deviation from the system measures was not allowed," said Marius Kotte.

"Concerning the slide, the difficulty was to manage the run in such a way, that the net tunnel was bypassed and the required space for the landing did not exceed the existing area and the maximum permitted incline was adhered to. For this reason, the slide has a sharp bend in it after passing the tunnel. The last piece has an incline of almost 40° (usual are 30-35°). The real goal of the climbing adventure is the tube slide, which fits perfectly into the complete picture with its rusty look!" says Ute Hoffmann.

Marius Kotte explained: "This rusty look of the poles developed without additional work all by itself and naturally and is only on the surface. On simple steel, so-called flash rust builds up rather quickly. This really only makes clothes dirty, nothing more. In order to avoid corrosion in the foundation, an epoxy coating was applied, as the vulnerability for rust is extremely high in this place. We also increased the maintenance intervals. The poles have a thicker walling than they statically need in order to be definitely on the safe side regarding this aspect. The rusty look of the slide, which is really made from stainless steel, is achieved through a foil that is wetted with metal particles. These particles also build flash rust and make the slide look old". At the opening, which took place on the scheduled date, in the middle of March, the children took over command and took the climbing tower by storm. And Mrs. Hoffmann is enthusiastic, too: "We think that Karl's Climbing Silo is very well-done and was implemented by the Berlin Seilfabrik in a unique way with no look-alike. It fits really well into our playing concept".



"We wanted to establish something unique for the older children as well."

Wattens Swarovski Kristallwelten

The Swarovski Crystal Worlds are one of Austria's most visited tourist attractions. Nestled amid a gorgeous scenery, the 7.5 hectares landscape park is situated close to Swarovski's headquarters in Wattens. With a total investment of 34 million euros, the amusement park was considerably expanded in 2015. Besides the crystalline park landscape, the expansion of the family and children areas takes centre stage. This also applies to the play tower – a four-storey playhouse made of glass.

The largest play structure inside the glass tower is a 97m³ spatial net. It covers four floors and is integrated directly into the building. It is the largest spatial net ever installed inside a building and it accommodates up to 120 children. Berliner Seilfabrik was commissioned with the implementation.

With a class rope-based play structure the net is tensioned equally via symmetrically arranged tensioning points. During the building's planning phase in steel construction, openings for a future spatial net had been considered. Those posed a particular challenge to Berliner Seilfabrik's experts as the openings were not symmetric in keeping with the play tower's design. For more than 40 years the company has been manufacturing playground equipment including three-dimensional nets, experience that has now paid off.



*"Second best on the list '16 of the Coolest
Playgrounds in the World' "*

The huge spatial net's main tensioning points are attached to the openings provided in the steel framework via Berliner's Astem TT tensioning system. Special ropes, tailored to the building, are attached to the spatial net's sides and between the wood pit lining in the ceiling, as well as the windows' side between the steel construction. This required a great deal of customization and presented a particularly interesting challenge. In spite of a detailed preparation including a 3D-planing the project could not have been realized without an on-site operation of specialists of Berliner Seilfabrik. To make sure that maximum safety standards and persistence is provided, ropes had to be mounted individually.

Mental Floss, a magazine (and website) that presents facts, lists, stats and information, recently named Swarovski Crystal Worlds on its list of "16 of the Coolest Playgrounds in the World." To be specific, it was listed as #2 with Berliner's very own Neptune Park as #1.



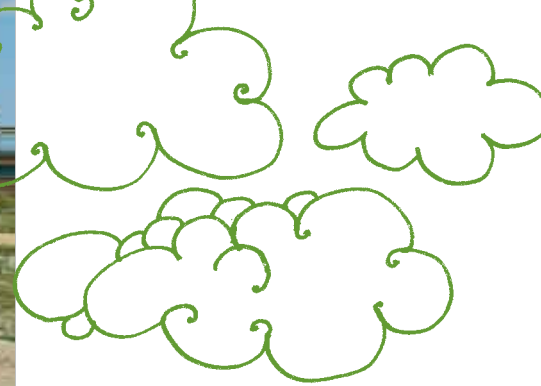


The Büsum Crab



The coast of Büsum has been the site of an extensive revamp and upgrade since 2012. When planning the revamp, particular attention was paid to families and children. The old individual pieces of play equipment scattered about the large area were to be replaced with a playground that would encourage the children to get active, stimulate their imaginations and appeal to the different senses. "The local authority of Büsum has invested in the play area (Perlebucht family lagoon) because children are the future of Büsum. The new play area offers children the chance to let off steam, dig in the sand and try out the different equipment such as the trampoline, climbing apparatus or slide," says Mayor Maik Schwartau.

The Büsum crab is situated in a slightly more sheltered place behind the green dunes. The Büsum crab – an omnipresent Büsum speciality, which is well-known amongst visitors – was the inspiration for the basic structure of our play area, which is supported by the red steel arches. The individual parts of the crab were then designated specific play areas: the jaws serve as a sand workshop, the house in the crab's body provides shelter from wind and weather and hides small surprises and games, the climbing tunnel in its stomach twist towards the core in a similar direction to the large slides and the tail of the crab also acts as a wide slide. The local authority also pursued the need for inclusion when



revamping Perlebucht. One important aspect during the planning phase therefore was creating play areas that could be used by all children. This is why wheelchair and pram-friendly access was developed, making it much easier for people to get to the play areas situated in sand and making individual play activities accessible to users with limited mobility.

Attention was also given to the concept of versatile usability when selecting the play elements. For example, special bucket seats were used in the swings instead of standard seats, a nest swing was erected, together with a wide, lower slide that could be used by more than one person at once, and a wheelchair accessible table was constructed in the sand pit. The circular path, which is secured with rubber matting, leads to each of the play spots and gives everyone the chance to share in the whole play experience.



"The new play area offers children the chance to let off steam, dig in the sand and try out the different equipment such as the trampoline, climbing apparatus or slide."

Situated right by the North Sea, the play area is regularly flooded. This is why only very resilient and durable materials could be used. All steel elements, if not made from V4A stainless steel, were powder coated after hot-dip galvanisation in order to provide strong corrosion protection. Wood in the base area was given stainless steel cleats and hardwearing plastic panels were used. The planners also attempted to minimise the number of sealed surfaces in the flooding one. A number of ropes were also used, which were fully manufactured with stainless steel cores to provide better corrosion protection. (Hendrix, M., Seebauer, Wefers and Partner GbR, Playground@Landscape)

Idea and concept: Seebauer, Wefers and Partner GbR





Berlin Freiheitsweg

In the north of Berlin in Freiheitsweg in the district of Reinickendorf there is a new climbing structure, which leaves no room for boredom. An area of more than 1500m² has been turned into a theme park for all generations.

Alena Kniesche, who implemented this project in collaboration with the Reinickendorf District Authority and the Berliner Seilfabrik, has been completely successful in implementing this diverse construction project and in doing so, has taken account of the most varied of issues, such as creating new challenges, inclusive play, the under-3's and the neighbouring sports centre.



The District Authority supplied the basic idea for the large open area: they wanted a sort of course, something challenging, which would both be fun for adolescents and older children and would also attract smaller children. Ms Kniesche divided the play area in its outlines into two parts. This created an area for toddlers and another area, presenting challenges to the older children and adolescents over a vast climbing structure.

The town and country planner devised the climbing structure so that it is possible to go from one end of the playground to the other without touching the ground, by going up a nine metre high central tower overlooking the area, passing through a huge variety of climbing units, such as flat nets, climbing ropes, monkey bars, a loop rope or slack lines leading to another space net device, known as a space ball.

This space net device had been in place on the area for some years previously and led the cat burglars over a rope bridge to a field with rubber mats. "This part of the playground was still in such good condition that it could be kept exactly as it is," said Alena Kniesche. The modular system from the Berliner Seilfabrik allowed me to link the new units of the course on the one side and playhouses on the other side with the old equipment." The big 'face-to-face swing' with the arched posts offers seats for six "children" and possibly also gives the chance for a little rest before it leads back again across the course towards the central tower.

The area for the smaller children allows those who are not so experienced in swinging hand over hand and balancing, to find the self-confidence to practise for the first time. Here, there is a little low ropes landscape combined with tree houses, which have been especially sited in the more shaded area of the park.



"A new climbing structure in an area of more than 1500m², which leaves no room for boredom."



Technology & Design

All play equipment in the Berliner Seilfabrik range has one thing in common: High loading capacity is reached via the combination of careful material selection and the right dimensions of all components. All load bearing elements of our Frameworkx-system are corrosion resistant. The tubes are treated with a zinc-epoxy procedure and the knots and and straps for ropes and panels are comprised of aluminium (which is inherently corrosion resistant). The ropes have been manufactured using materials with proven durability under extreme weather conditions and high play frequency.

Our equipment has been awarded several prizes due to design and functionality. In 2016 Berliner Seilfabrik won again (after 2013) the 'red dot design award' for superior design quality.

All equipment manufactured by Berliner Seilfabrik has a certificate and is branded with the TÜV Mark label. The relevant standards, EN 1176, ASTM F1487 and CSA Z614 have been adhered to and guarantee maximum safety.

Even the toughest equipment shows wear and tear after years of use. This however is no limitation of Berliner Seilfabrik equipment. We are able to replace the oldest of net structures (even the first from 1971)! Our spare part guarantee ensures the durability of all play equipment, even after 50 years.

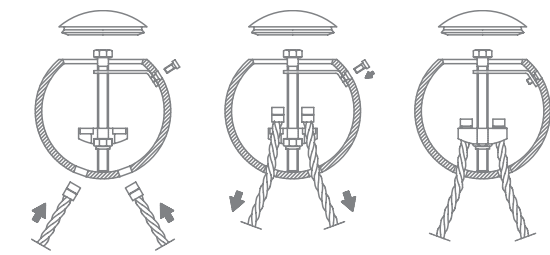
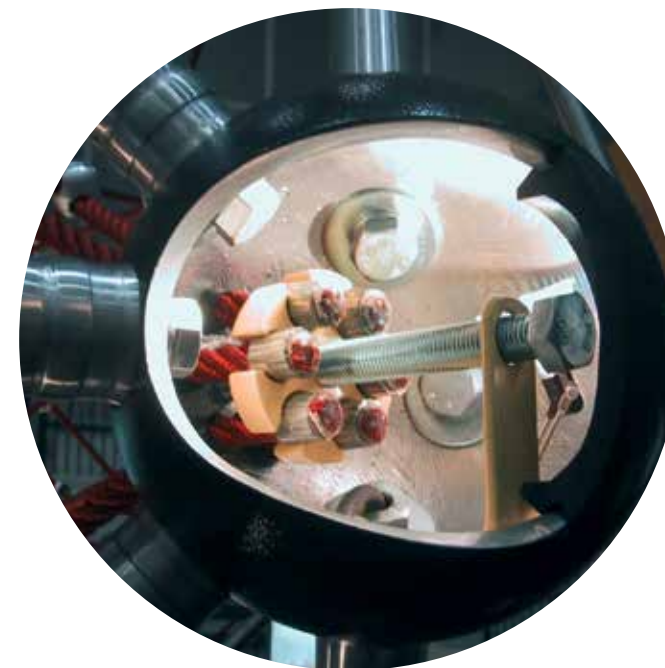


"Our spare part guarantee ensures the durability of all play equipment, even after 50 years."



Aluminium spheres

On the outside 85% recycled aluminium, on the inside our spatial net tensioning system, AstemTT, sealed with a durable hard rubber cap. The aluminium spheres are sandblasted and solvent-free powder coated, protecting against corrosion. Here pictured in a matte grey aluminium (RAL 9007). But you may choose any colour.



It has always been our aim to create our sophisticated products under the main constraints of design and safety, without compromising function and stability. Hence, in early 2002 we introduced a new tensioning mechanism, AstemTT. After a successful trial period we have adopted this rope tensioning technology as the standard across the entire Univers Net structures range.

Aside from the intelligent mechanism and harmonious integration into the Frameworkx structure, AstemTT simplifies installation. The spatial net can be tensioned evenly across the entire structure. Furthermore, all tensioning mechanisms are contained within closed spheres, making them inaccessible for users.

In order to ensure the children's safety during free play on our structures, all technical connection elements have been banned from the play zone. Our patented tensioning system contains eyelets, loops, thimbles and hooks inside of the aluminium spheres.

It goes without saying, that thanks to our tensioning system the net can be tensioned particularly easily and evenly.

"In order to ensure the children's safety during free play on our structures."



Maintenance & Service



“Our comprehensive service accompanies you across all of the stages of the development of your individual playground.”



All Berliner Seilfabrik equipment requires little maintenance and involves virtually no follow-up costs. Thanks to its robust construction, the equipment is extremely durable. Therefore we guarantee our products for a period of up to 10 years. Refer to our general terms of business for further information.

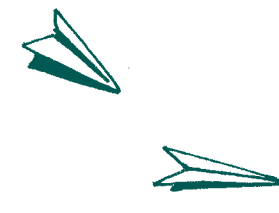
High-quality cars have to be inspected regularly, the same applies to high-quality play equipment in order to guarantee ongoing safety. For this purpose, our staff and authorised retailers are trained in the specific maintenance requirements of our equipment. We shall be glad to provide you with any information regarding our maintenance service. Our economical maintenance contract guarantees the durability of our equipment and the safety of children.

We always have time for our customers. Our comprehensive service accompanies you across all of the stages of the development of your individual playground, from the first plan to the maintenance of the completed structure. Our extensive experience assists you in planning and creating your ideal play landscape. We design your playground to encompass your ideas and plans with optimal safety and maximum play value.

Expert mounting and maintenance is carried out by our trained staff or authorised retailer. Our comprehensive, illustrated mounting instructions allow simple self assembly. If required, we are more than glad to assist you with selfmounting. If any problems arise, we will find the solution.

**Installation hotline: on workdays from 7 a.m. – 4 p.m.
+49.(0)172.8 41 76 89**

The Inclusive Playground



Inclusive play spaces, accessibility, inclusive play; these words typically bring to mind an image of a child in a wheelchair. Playgrounds surrounded by sand, with many high edges and without ramps, are simply inaccessible to such a child. And even if suitable play equipment is available, this child must rely on constant support. However, accessibility is only a small part of what really makes a playground inclusive. Inclusive play spaces are actually quite varied and their design considers human diversity. They do more than merely compensate for “deficits.”

Creating the ideal inclusive play space requires a wide range of play and usage options. When planning, you need to take into account all types of abilities, physical and mental, as well as developmental. The space should enable different sensory experiences and provide motor challenges in different gradations. This way, your design will address as many different capabilities as possible. Offer large and small, younger and older users alike the opportunity to pursue and build on their personal interests, skills, and strengths. Enable children to embrace and experience their commonalities and differences as autonomously as possible and in close proximity.

In this way, a playground can be a meeting place, space where people – children and their parents or caregivers – can learn from and with each other. Side by side, they compensate for or overcome social and structural barriers.



Maria Feske, Bachelor of Arts in psychology and nationally certified occupational therapist with many years of experience works as a consultant for Berliner Seilfabrik concerning the design and construction of inclusive playgrounds.



The Inclusive Playground

— A Rewarding Challenge
By Maria Feske

“A Handbook to Inclusive Play Spaces”, appearing in collaboration with Mrs Feske in 2015, provides resources and guidelines on how to create inclusive playgrounds.

The handbook can be ordered by sending an email to info@berliner-seilfabrik.com or via our website. The book considers the various limitations and requirements when it comes to designing and constructing play equipment for inclusive play spaces.





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