




Berliner
Play equipment for life

Basic Colours of ropes



Red

Blue

Black

Yellow

Green

Orange

Silver

Beige

Dark Green

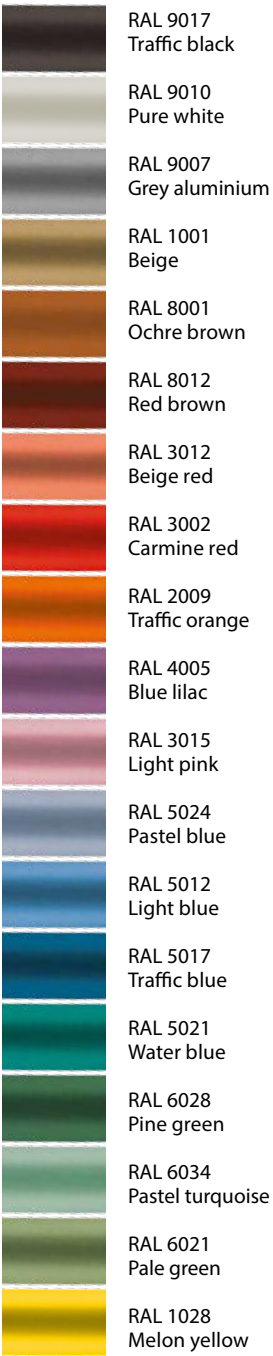
Salamander

Moose

Los Netzos

Tempelhof

Design Colours of tubes and posts (matte finish)



RAL 9017
Traffic black

RAL 9010
Pure white

RAL 9007
Grey aluminium

RAL 1001
Beige

RAL 8001
Ochre brown

RAL 8012
Red brown

RAL 3012
Beige red

RAL 3002
Carmine red

RAL 2009
Traffic orange

RAL 4005
Blue lilac

RAL 3015
Light pink

RAL 5024
Pastel blue

RAL 5012
Light blue

RAL 5017
Traffic blue

RAL 5021
Water blue

RAL 6028
Pine green

RAL 6034
Pastel turquoise

RAL 6021
Pale green

RAL 1028
Melon yellow

Classic Colours of tubes and posts (glossy finish)



RAL 9006
White aluminium

RAL 2009
Traffic orange

RAL DS 010 40 50
"Cosmo pink"

RAL 3020
Traffic red

RAL 3004
Purple red

RAL 5022
Night blue

RAL 5010
Gentian blue

RAL 5021
Water blue

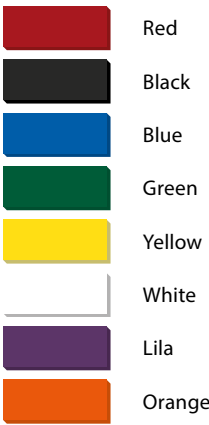
RAL 6009
Fir green

RAL 6018
Yellow green

RAL DS 100 80 80
"Cosmo yellow"

RAL 1018
Zinc yellow

Colours of HDPE-panels



Red

Black

Blue

Green

Yellow

White

Lila

Orange

All datasheets, mounting-instructions, TÜV-certificates and AutoCAD-Drawings are available as downloads on our webpage. Should you require any further information, please contact us.

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Technical specifications

	(m) ('")	Dimensions (l x w x h)
	EN 1176 (m) ASTM/CSA(m) ASTM/CSA ('")	Minimum space required
	(m) ('")	Maximum fall height
		Recommended age group

This page acts as a quick reference guide to the various rope and steel colours. All plan views within the catalogue are shown with a scale of 1:200. The minimal area zones comply with the ASTM 1487 and EN1176 standard. Please note: to ensure compliance with a specific country, the corresponding standards must be referred to. Details of the product photos may vary from the descriptions provided. All data is subject to technical changes and misprints.



Berliner

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.







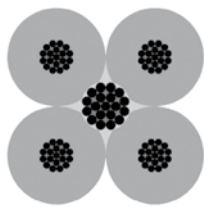
Ropes

The steel cable was invented in 1834. Berliner Seilfabrik commenced processing of steel cable in 1865, gaining a world renowned reputation for the manufacture of quality cable. We continue to use these traditional methods of cable manufacture to produce the U-Rope used in our play structures. Thus it can be ensured that the quality and safety specifications of our ropes are in accordance with our high requirements.

Furthermore, because we manufacture our own rope we are able to tailor the equipment to individual customer specifications with ease. Consequently we offer a broad range of rope diameters, wire cross sections and rope colours. We have a cable suitable for every application – regardless of the purpose or loading condition.

The external rope strands are covered with Polyester yarn (carpet yarn standard), ensuring maximum abrasion resistance and colour fastness. Our steel wires, compliant with EN 10264, are galvanized and have a strength of 1770 N/mm². For most ropes in reach of hands we use four-stranded cables, which have the same design as fibre ropes. This results in a course surface texture which provides an optimal grip.

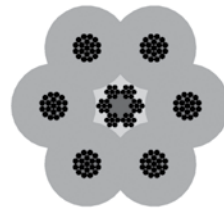




90.990.160

16 STAN 4 PES SE
Ø 16 mm

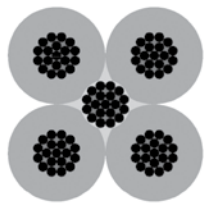
Standard rope for nets



90.994.181

18 SPRN 6 PES SE
Ø 18 mm

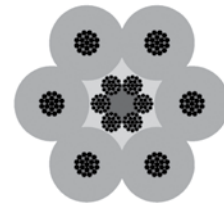
Standard rope for nets



90.991.160

16 RAND 4 PES SE
Ø 16 mm

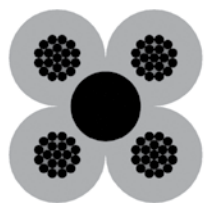
Edging rope for nets and bridges



90.994.201

20 SPRN 6 PES SE
Ø 20 mm

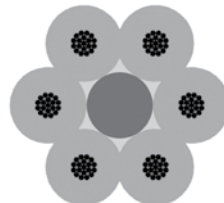
Rope for tensioning and add-on components



90.998.160

16 FEDER 4 PES
Ø 16 mm

Rigid rope with steel core for tunnels and wasp's nest



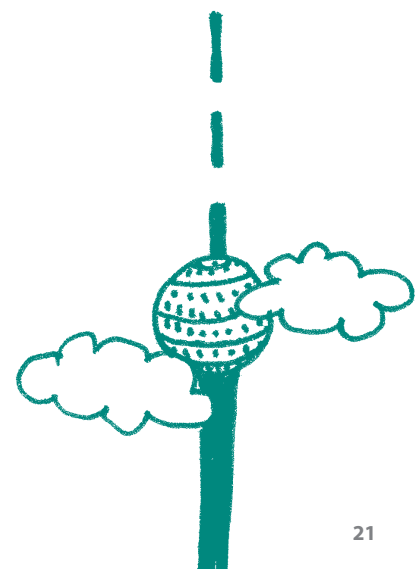
90.992.200

20 FLEX 6 PES FE
Ø 20 mm

Flexible rope with fibre core



Berliner Seil is only genuine with the coloured tracer thread "stranded with max. 63 rpm".



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.



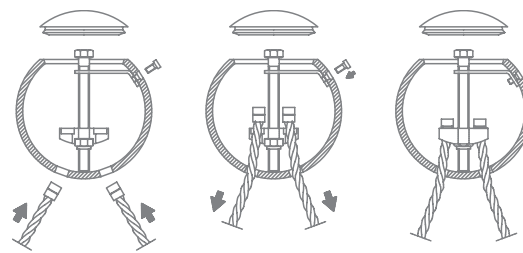
"Our spare part guarantee ensures the durability of all play equipment, even after 50 years."





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.

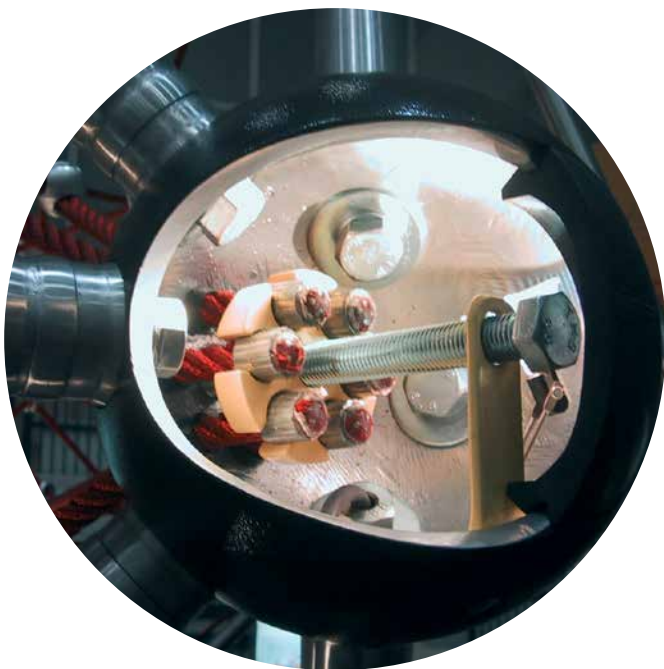


It has always been our aim to create our sophisticated products under the main constraints of design and safety, without compromising function and stability. Hence, in early 2002 we introduced a new tensioning mechanism, AstemTT. After a successful trial period we have adopted this rope tensioning technology 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 7a.m. – 3 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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