

Cosmo.59 – Product Specification



Cosmo – The first totally round rope play structure

The innovative space structure offers exciting play options never before experienced. Cosmo is a whole new round of fun in play equipment: The first totally round rope play structure has arrived.

Apart from the basic system, Cosmo stands out due to its many freely selectable add-ons and diverse play activities. This gives the Cosmo an advantage over several rounds compared to conventional climbing frames.

In 2008 Cosmo received the prestigious "Red Dot" design award for excellent design quality.

Cosmo.59 – At a glance.

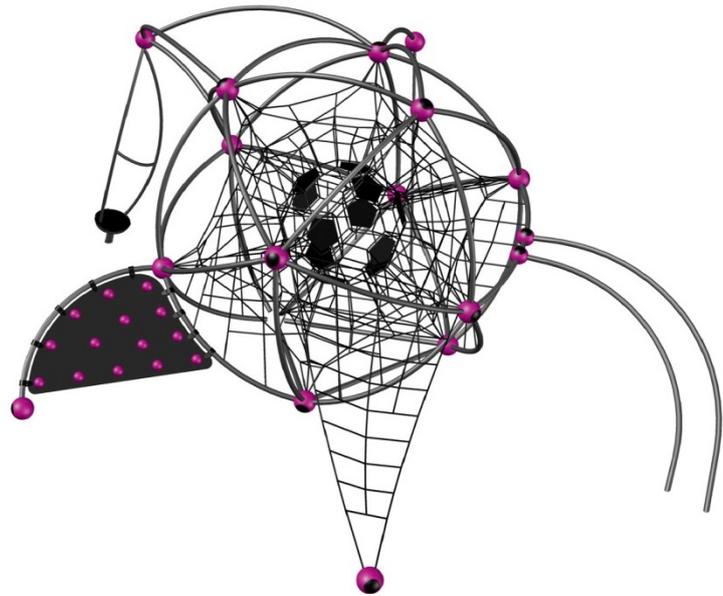
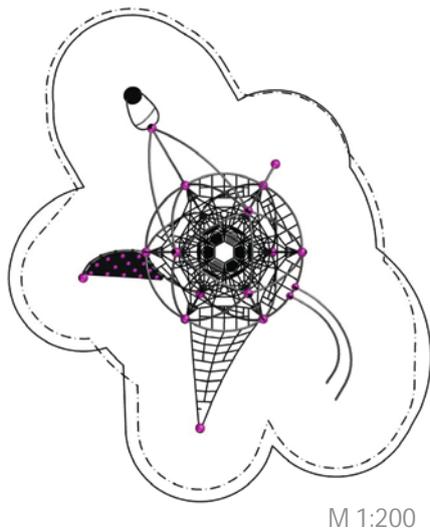
Product Family:	Cosmo	Number of Foundations:	8 pc.
Item Number:	90.112.590	Concrete Volume C20/C25:	2.4 m³ (84.8 ft³)
Children's Age:	5+	Number of skilled installers required:	3
Fall Height (DIN EN 1176):	2.30 m (7'-7")	Installation Time without foundation:	8 hours
Length x Width x Height:	9.2 m x 7.2 m x 3.8 m (30'-3" x 23'-8" x 12'-4")	Dimensions of largest part:	0.1 m x 1.3 m x 4.6 m (0'-4" x 4'-3" x 15'-1")
Protective Surfacing Area (DIN EN 1176):	12.7 m x 10.4 m	Weight of heaviest part:	105 kg (231.5 lbs)
Protective Surfacing Area (ASTM 1487):	12.9 m x 11.1 m (42'-4" x 36'-5")	Shipping Volume:	Upon request
Minimum space required DIN EN 1176:	89.1 m²	Spare part guarantee:	Lifelong
Minimum space required ASTM 1487:	93.5 m² (1,006.4 sf)		


Berliner
 Berliner Seilfabrik GmbH & Co.
 Lengeder Straße 2/4
 D-13407 Berlin

Tel. +49.(0)30.41 47 24-0
 Fax +49.(0)30.41 47 24-33

info@berliner-seilfabrik.com
 www.berliner-seilfabrik.com

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Technical Data.

The following text can also be used for tenders.

- Cosmo
- Sliding pole
- Duck Jibe
- Access net
- Curved banister
- Rubber pods
- Climbing ramp

Tube framework:

Curved stainless steel tubes: \varnothing 60.3 mm (2 3/8")

Nodes:

Framework-aluminum ball connectors; \varnothing 250 mm (9-13/16"); anti-corrosion treatment and color finish: sandblasting and solvent-free zinc-/ epoxy-/ polyester-process; incorporating an ASTEM TT net tensioning system; securely closed with durable EPDM- caps

Ropes:

U-Rope®-round strand ropes with galvanized and covered wires; external strands with non-abrasive UV-resistant Polyester-yarn (no Polypropylene): \varnothing 16 mm (5/8")

Spacial netting:

Rope crossing points are localized with durable, forged aluminum-alloy cloverleaf rings and forged aluminum-alloy ballknots (no plastic connections); in situ-replaceable rope strands (no special tools required)

Sliding pole:

Curved stainless steel pipe: \varnothing 60.3 mm (2-3/8"), wall thickness 2.9 mm; Framework-aluminum ball connectors, \varnothing 250 mm (9-13/16"); stainless steel sliding pole \varnothing 40 mm (1-3/5") wall thickness 5 mm (3/16")

Duck Jibe:

Curved Framework stainless steel pipes \varnothing 60.3 mm (2 3/8"), wall thickness 2.9 mm; lubricated, antifriction reciprocal bearings; connected to the main Cosmo framework with a thick-walled Framework-aluminum ball connector, \varnothing 250mm (9-13/16"), standing platform is comprised of grained HDPE, 19 mm thick; the turning bearing construction located in the ground consists of Framework stainless steel pipe retainers, \varnothing 40 mm (1-3/5"), wall thickness 5 mm (3/16")



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Access net:

ropes \varnothing 16mm (5/8"); mesh size minimum 250 x 250 mm (9-4/5" x 9-4/5"); rope crossing points localized with durable, drop forged aluminum ball knots; in situ-replaceable rope lines (no plastic); mesh size minimum 250 x 250 mm (9-4/5"), connected to the main structure with aluminum clamps, grounded with Frameworkx-aluminum ball connector, \varnothing 250 mm (9-13/16") with 2 Frox elements

Curved banister:

Curved stainless steel pipes; \varnothing 60.3 mm (2 3/8") wall thickness 2.9 mm; connected to the main structure with 2 aluminum ball connectors \varnothing 200mm (7-9/10")

Rubber pods:

12 pentagon replaceable rubber pods comprised of durable, vandal-resistant conveyor belt material in the center of spacial netting; approx. 10 mm thick; attached to the ropes with 5 aluminum clamps

Climbing ramp:

Mold-shaped HDPE-panel, 19 mm (3/4") thickness, rounded edged; equipped with 14 powdercoated steel-hemispheres, and angle mounted with 9 aluminum plate clamps on stainless steel tubes, \varnothing 60.3 mm (2 3/8"), wall thickness 2.9 mm; grounded with Frameworkx-aluminum ball connector, \varnothing 250 mm (9-13/16") and foundation-tube \varnothing 60,3 mm (2 3/8")


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