

Berlin.11

CombiNation


















Published: August 2023

Berlin.11

Product Specification

A vast climbing landscape presenting challenges to older children and adolescents, leaving no room for boredom. The route goes through a 9 meter (29'-5") high central mast structure with a lookout, over various climbing elements into another spacial net device, known as a Spaceball. The Spaceball leads the cat burglars over a rope bridge to a field with rubber mats. The modular system allows expansions at a later point in time.

90.180.761

	Product Family	CombiNation
	Length x Width x Height (m) Length x Width x Height ("")	53,1 x 16,6 x 9,6 174-2 x 54-4 x 31-4
	Protective Surfacing Area acc. to DIN EN 1176 (m) Protective Surfacing Area acc. to ASTM/CSA (m) Protective Surfacing Area acc. to ASTM/CSA ("")	55,7 x 20,0 56,7 x 20,5 185-9 x 67-1
	Fall Height acc. to EN 1176 (m) Fall Height acc. to ASTM/CSA ("")	2,90 9-7
	Age	5
	Minimum Space required acc. to DIN EN 1176 (m²) Minimum Space required acc. to ASTM 1487 (ft²)	522,7 6194,4
	Number of Foundations	62
	Concrete Volume C20/C25 (m³) Concrete Volume C20/C25 (ft³)	35,1 1250
	Number of skilled Installers required	3
	Installation Time without Foundation	50 hours
	Dimensions of largest Part (m) Dimensions of largest Part ("")	5,8 x 1,3 x 1,3 19-4 x 4-4 x 4-4
	Weight of heaviest Part (kg) Weight of heaviest Part (lbs)	500 1100
	Shipping Volume (m³) Shipping Volume (ft³)	53 1800
	Total Weight (kg) Total Weight (lbs)	8000 18000
	Spare Part Guarantee	Lifelong

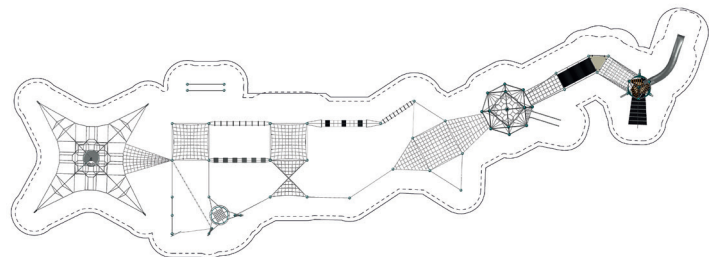
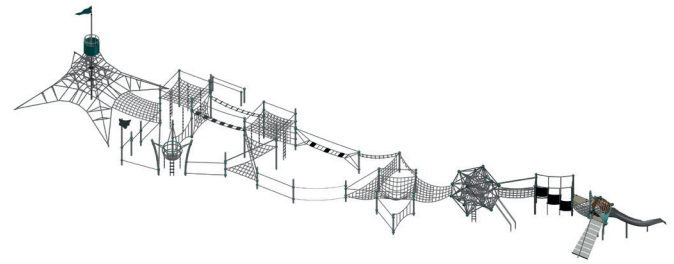
The dimensions of the equipment and protective surfacing area have been rounded up to one decimal digit.

Technical Data

Technical changes are reserved.
The following text can also be used for tenders.

Included Products:

- Tetragode 6100
- Spaceball M
- Tri02
- Curved Slide
- Wasp's Nest
- Climbing Ropes
- Slackline
- Pullup Bars
- Flächennetze
- Balancing Rope with Handrail
- Hand-over-Hand Ladder
- Panel Bridge
- Harp Net
- Spinder Net
- Air Walk
- Net Sack
- Vertical Net
- Loop Rope
- Suspension Bridges
- Chessboard BridgePlatform
- Parallel Bars



Tetragode 6100

Central Mast Climbing Structure: A fourfold suspended climbing net with suspension cables - rope Ø 20mm (13/16"). Including a spatial net - rope Ø 18mm (11/16") and a central steel mast. The four tensioning devices with encapsulated clamping system are mounted on the surface of the outer foundations.

Spatial Net: Rope crossing points are localized with durable, drop forged aluminum cloverleaf rings and drop forged aluminum ballknots (no plastic connections). In situ-replaceable rope strands (no special tools required).

Spaceball M:

Frameworkx®- frame with spatial net that provides a maximum of room for playing on a small area. Rope crossing points are localized with durable, drop forged aluminum cloverleaf rings and aluminum ferrules (no plastic connections). In situ-replaceable rope strands (no special tools required).

Straight Banister: Collateral straight stainless steel pipes Ø 60,3 mm (2 3/8"). Connected to the main structure with two Frameworkx®- aluminum ball connectors, Ø 200 mm (7 10").

Tri02

Curved Slide: Slide made of stainless steel, smoothed and polished. Connected to the tube at the framework with cast aluminum clamps.

Panels: Cladding from HDPE panels, thickness 19 mm (3/4"), rounded edges. Mounted with aluminum clamps to the tubes of the framework.

Bamboo Panels: Bamboo strips 90 mm, (3 1/2") mounted at a particle board made from HDPE, 19 mm (3/4") thickness, rounded edges. Mounted with aluminum clamps to the tubes of the framework.

Wasps' Nest:

Ball-shaped net connected to steel ring Ø 1530 mm (5'-1/4") and pipe diameter 48,3 mm (1'-7/8") with cast aluminum rope clamps. Steel ring suspended from Ropes to three steel posts. Rope diameter Ø 16 mm (5/8").



Climbing Rope:

Rope Ø 18 mm (11/16") with durable ebonite cylinders. Distance between cylinders approx. 300 mm (11 13/16"). The ebonite cylinders are fixed to the rope with aluminum ferrules.

Rope Ladder:

Rope Ø 16 mm (5/8"), black polyamide rungs: Ø 40 mm (1 3/5"), 350mm length (1'-2").

Chessboard Bridge:

Rubber Membrane: Rubber membrane comprised of durable, vandal-resistant conveyor belt material. Thickness approx. 9mm (23/64").

Tubes: Framework®- steel tubes, Ø 60,3 mm (2 3/8"). Anti-corrosion treatment and color finish: sandblasting, sensimir galvanised and solvent-free epoxy-/ polyester-process.

Slackline:

2 parallel ropes, Ø 18 mm (11/16"). Aluminum rope clamps at regular intervals. Connected to steel post with Terranos®- clamps and Chrox connectors.

Horizontal Bars:

Comprised of stainless steel pipe Ø 40 mm (1 9/16").

Harp Net:

Two bended edge ropes with vertical connection ropes, all ropes Ø 16 mm (5/8"). Connected at four points to steel posts with Terranos®- clamps.

Spider Net:

Rope Ø 16 mm (5/8"), spiderweb like designed vertical planar net. Rope crossing points localized by durable, drop forged aluminum ballknots (no plastic).

Air Walk:

Narrow, flexible footbridge with rubber membrane tiles and a handrail. Rope Ø 16 mm (5/8"). Rubber membrane comprised of durable, vandal-resistant conveyor belt material. Thickness approx. 9mm (23/64").

Panel Bridge:

Narrow, flexible footbridge with HDPE stepping panels and a handrail. Rope Ø 16 mm (5/8"). Durabel solid-colored HDPE panles, thickness 19 mm (3/4"), which ensure durability and deter vandalism. The edges are rounded.

Net Sack:

Lying surface 195 x 60 cm (6'-5" x 2'-0"). Rope Ø 16 mm (5/8"). Rope crossing points localized by durable, drop forged aluminum ballknots (no plastic).

Vertical Net:

Rope Ø 16 mm (5/8"), spiderweb like designed vertical planar net. Rope crossing points localized by durable, drop forged aluminum ballknots (no plastic).

Loop-Rope:

Ropes Ø 16 mm (11/16"), size per loop approx. 110 mm (4 21/64") clear diameter. Loops durable fixed to a horizontal rope with aluminum ferrules.

Hand-over-Hand Ladder:

Rope Ø 16 mm (5/8"), durable round black polyamide rungs, Ø 40 mm (1 3/5").

Suspension Bridge:

Rope Ø 16 mm (5/8"), mesh size minimum 250 x 250 mm (9 4/5" x 9 4/5"). Rope crossing points localized by durable, drop forged aluminum ballknots (no plastic). With in situ-replaceable square rungs comprised of stainless steel profile with aluminum end caps.

Platform:

Non-skid HPL-panel, thickness 19 mm (3/4"). Connected to steel pipes with cast aluminum panel clamps.

Planar Nets:

Rope Ø 16 mm (5/8"): mesh size minimum 250 x 250 mm (9 4/5" x 9 4/5"). Rope crossing points localized by durable, drop forged aluminum ballknots (no plastic). Net attachment to the tubes with aluminium pipe clamps, and to the posts with Terranos®- clamps with Frox-connectors.

Ropes:

U-Rope®- round strand ropes with galvanized and covered wires; external strands with non-abrasive UV-resistant Polyester-yarn (no Polypropylene), Ø 16 mm (5/8"), Ø 18 mm (11/16") and Ø 20mm (13/16").

Posts:

Terranos®- steel pipes Ø 133 mm (5 1/4"), wall thickness 5 - 10 mm (3/16" - 3/8") with a round cast aluminum post top. Anti-corrosion treatment and color finish: sandblasting and solvent-free epoxy-/ polyester-process.

Terranos®-Clamps:

Two-part cast aluminum connecting clamps for the height-adjustable connection of rope elements or steel pipes to Terranos®- steel posts. Anti-corrosion treatment and color finish: sandblasting and solvent-free epoxy-/ polyester-process. Frox-connectors for ropes and Chrox-connectors for chains which are completely enclosed and free from any entrapment risks.

Spheres:

Framework®- aluminum ball connectors, Ø 250 mm (9 13/16"). Anti-corrosion treatment and color finish: sandblasting and solvent-free epoxy-/ polyester-process. The tensioning ball incorporates an AstemTT® net tensioning system. Securely closed with durable EPDM-caps.