

# Pentagode S.01 – Product Specification



## Pentagode – Plenty of room to play right to the top

The Pentagode offers children the excitement of climbing high with plenty of space for lots of children to play.

The Pentagode is designed for playing and climbing right to the top. Its pagoda-like proportions set an original accent in the playscape that is eye-catching and play motivating in a magical way.

**Please note:** Product specification refers to structure with stainless steel slide.

### Pentagode S.01 –At a glance.

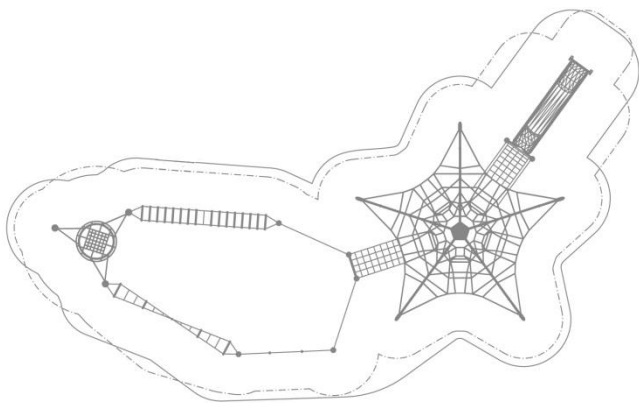
Product Family:	<b>Pergode</b>	Number of Foundations:	<b>18 pc.</b>
Item Number:	<b>90.180.278</b>	Concrete Volume C20/C25:	<b>11.0 m<sup>3</sup> (388.5 ft<sup>3</sup>)</b>
Children's Age:	<b>5+</b>	Number of skilled installers required:	<b>3</b>
Fall Height (DIN EN 1176):	<b>2.50 m (8'-3")</b>	Installation Time without foundation:	<b>10 hours</b>
Length x Width x Height:	<b>19.1 m x 15.6 m x 4.0 m</b> <b>(51'-4" x 62'-5" x 13'-2")</b>	Dimensions of largest part:	<b>4,9 m x 0,9 m x 0,6 m</b>
Protective Surfacing Area (DIN EN 1176):	<b>22.4 m x 19.0 m</b>	Weight of heaviest part:	<b>80 kg</b>
Protective Surfacing Area (ASTM 1487):	<b>22.7 m x 19.3 m</b> <b>(74'-5" x 63'-4")</b>	Shipping Volume:	<b>Upon request</b>
Minimum space required DIN EN 1176:	<b>196.6 m<sup>2</sup></b>	Spare part guarantee:	<b>Lifelong</b>
Minimum space required ASTM 1487:	<b>219.2 m<sup>2</sup> (2,359.4 sf)</b>	Certificate according to DIN EN 1176	<b>No.: Z2 16 01 10256 258</b> <b>TÜV Product Service</b>

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

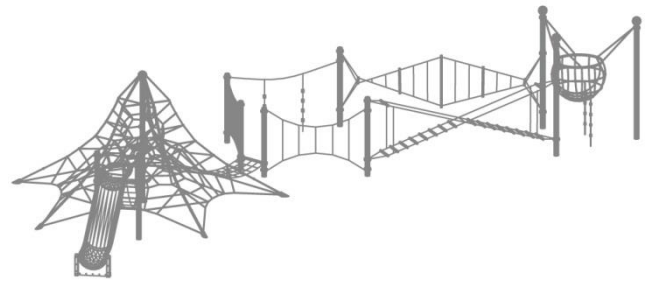
Tel. +49.(0)30.41 47 24-0  
 Fax +49.(0)30.41 47 24-33

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

# Pentagode S.01 – Product Specification



M 1:300



## Technical Data.

The following text can also be used for tenders.

- Pentagode S
- Transition net
- Straight box slide
- Transition net to Terranos structure
- Vertical planar net
- Climbing rope
- Inverted ladder
- Wespennest
- Crossed stairway
- Harp net

### Ropes:

U-Rope®-round strand ropes with galvanized and covered wires: external strands with non-abrasive UV-resistant Polyester-yarn (no Polypropylene); rope-diameter  $\varnothing$  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)

### Central mast:

Steel post 133 mm (5 1/4"), wall thickness 5 mm (3/16"), anti-corrosion treatment and color finish: sandblasting and solvent-free zinc-/ epoxy-/ polyester-process

### Mast node:

Framework-aluminum ball connector;  $\varnothing$  250 mm (9-13/16"); anti-corrosion treatment and color finish: sandblasting and solvent-free zinc-/ epoxy-/ polyester-process; with inlying net tensioning system, secured with a durable EPDM-cap

### External bracing cables:

Two parallel U-Rope-round strand ropes with steel cores; galvanized wires surround the core, external strands covered with non-abrasive UV-resistant Polyester-yarn;  $\varnothing$  16 mm (5/8"); load to failure is 65 kN per cable

### Transition net:

Rope  $\varnothing$  16 mm (5/8"); mesh size minimum 250 x 250 mm (9-4/5"); rope crossing points localized by durable, drop forged aluminum ballknots (no plastic)



# Pentagode S.01 – Product Specification



## Technical Data.

### Posts:

Steel pipes  $\varnothing$  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 zinc-/ epoxy-/ polyester-process

### Straight box slide:

Straight box slide made of stainless steel; the cheeks are welded with stainless steel handrails; afterwards smoothed and polished

### Planar Net:

Rope  $\varnothing$  16mm (5/8"), mesh size minimum 250 x 250 mm (9-4/5"); rope crossing points localized by durable, drop forged aluminum ballknots (no plastic)

### Climbing rope:

All ropes  $\varnothing$  20 mm; vertical ropes with durable ebonite cylinders; distance between cylinders approx. 300 mm (11-13/16"); ebonite cylinders are fixed to the rope with aluminum ferrules; suspended from horizontal rope connected to steel posts

### Inverted ladder:

Folded suspension bridge; rope  $\varnothing$  16 mm (5/8"), 5 rungs with durable stainless steel tubes  $\varnothing$  60.3 (2"), both ends closed with durable aluminum caps (no wood or plastics), in situ-replaceable; connected to steel post with shackle (600 kg) and bracket

### Wespenest:

Circumferential cables are round strand ropes with spring steel core,  $\varnothing$  16 mm (5/8"); ball-shaped net connected to steel ring  $\varnothing$  1530 mm (5'-1/4") and pipe diameter 48.3 mm (1' 7/8") with cast aluminum rope clamps; steel ring suspended from cables to three steel posts

### Crossed Stairway:

X-shaped suspension bridge; rope  $\varnothing$  16 mm (5/8"); 18 rungs with durable stainless steel profile, both ends closed with durable and replaceable aluminum caps (no wood or plastics); in situ-replaceable; connected to steel post with shackle (600 kg) and bracket

### Harp net:

Two bended edge ropes with five vertical connection cables; all ropes  $\varnothing$  16 mm (5/8"); connected at four points to steel posts with cast aluminum Terranos clamps

  
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

