

# Pentagode XL.02 – 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.

### Pentagode XL.02 –At a glance.

Product Family:	<b>Pergode</b>	Number of Foundations:	<b>19 pc.</b>
Item Number:	<b>90.180.125</b>	Concrete Volume C20/C25:	<b>17.8 m<sup>3</sup> (628.6 ft<sup>3</sup>)</b>
Children's Age:	<b>5+</b>	Number of skilled installers required:	<b>4</b>
Fall Height (DIN EN 1176):	<b>1.50 m (4'-11")</b>	Installation Time without foundation:	<b>16 hours</b>
Length x Width x Height:	<b>34.8 m x 20.6 m x 8.8 m (114'-3" x 67'-8" x 28'-11")</b>	Dimensions of largest part:	<b>Ø 0.1 m x 5.8 m (Ø 0'-4" x 19'-0")</b>
Protective Surfacing Area (DIN EN 1176):	<b>37.8 m x 23.6 m</b>	Weight of heaviest part:	<b>152 kg</b>
Protective Surfacing Area (ASTM 1487):	<b>38.5 m x 24.3 m (126'-3" x 79'-8")</b>	Shipping Volume:	<b>Upon request</b>
Minimum space required DIN EN 1176:	<b>386.2 m<sup>2</sup></b>	Spare part guarantee:	<b>Lifelong</b>
Minimum space required ASTM 1487:	<b>430.6 m<sup>2</sup> (4,634.9 sf)</b>	Certificate according to DIN EN 1176	<b>No.: Z2 16 01 10256 258 TÜV Product Service</b>

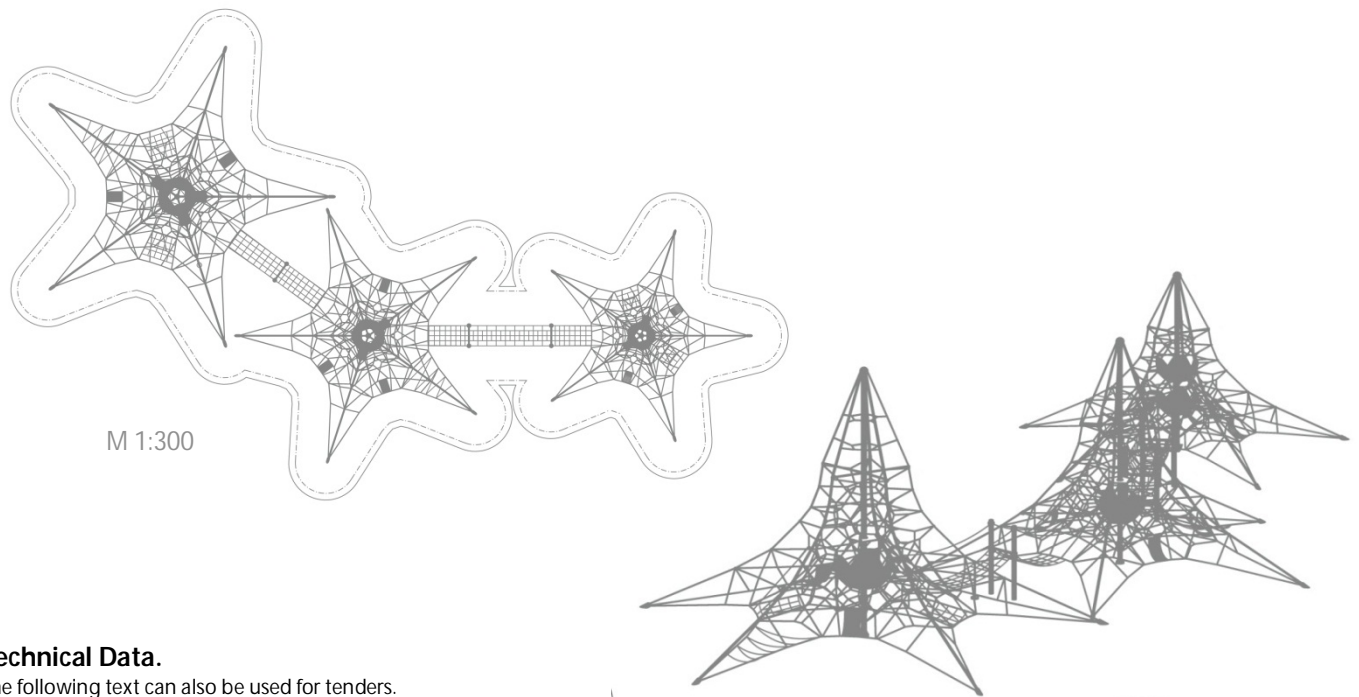


Berliner Seilfabrik  
Play Equipment Corporation  
96 Brookfield Oaks Drive, Suite 140  
Greenville, SC 29607

T + 1 864 627 1092  
F + 1 864 627 1178

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

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## Technical Data.

The following text can also be used for tenders.

- Centerpost structure with fivefold suspension Pentagode XL with rubber membranes
- Transition nets
- Centerpost structure with fivefold suspension Pentagode L with rubber membranes
- Transition nets and suspension bridge
- Centerpost structure with fivefold suspension Pentagode M with rubber membranes

### Ropes:

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

### Central mast:

Steel post 133 mm (5 ¼"), 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; Ø 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; Ø 16 mm (5/8"); load to failure is 65 kN per cable

### 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)

### Rubber membrane:

comprised of durable, vandal-resistant conveyor belt material

### Posts:

Steel pipes Ø 133 mm (5 ¼"); 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

### Transition nets:

Rope Ø 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)

### Suspension bridge:

Rope Ø 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); with in situ-replaceable square rungs comprised of stainless steel profile with aluminum end caps



  
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