

# Pentagode L.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.

### Pentagode L.01 –At a glance.

Product Family:	<b>Pentagode</b>	Number of Foundations:	<b>11 pc.</b>
Item Number:	<b>90.180.358</b>	Concrete Volume C20/C25:	<b>8.2 m<sup>3</sup> (290 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>1.12 m (3'-9")</b>	Installation Time without foundation:	<b>12 hours</b>
Length x Width x Height:	<b>18.6 m x 15.7 m x 6.1 m (61'-1" x 51'-7" x 20'-1")</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>21.6 m x 18.6 m</b>	Spare part guarantee:	<b>Lifelong</b>
Protective Surfacing Area (ASTM 1487):	<b>22.3 m x 19.3 m (73'-2" x 63'-4")</b>		
Minimum space required DIN EN 1176:	<b>185.7 m<sup>2</sup></b>		
Minimum space required ASTM 1487:	<b>211.8 m<sup>2</sup> (2,280 sf)</b>		



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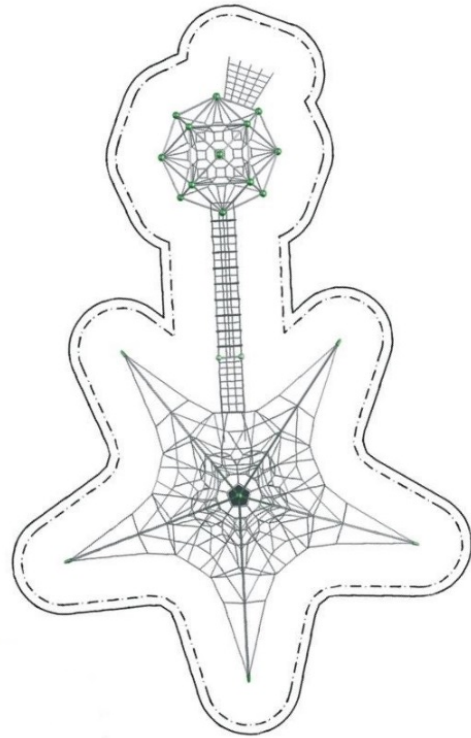
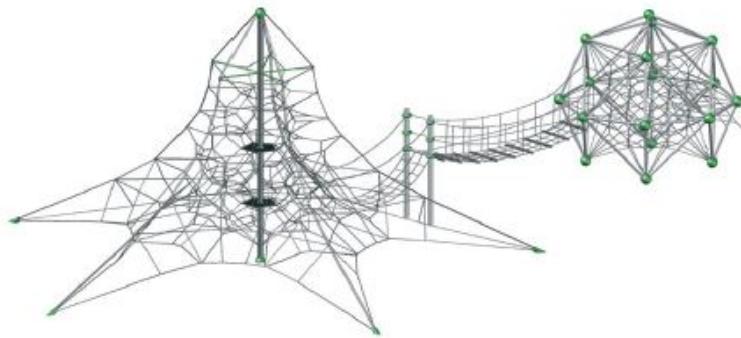
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## Technical Data.

The following text can also be used for tenders.

- Centerpost structure with fivefold suspension Pentagode L
- Transition net
- Suspension bridge
- Spaceball M with access net

### Pentagode L

#### **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

#### **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")

#### **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)

#### **other elements:**

##### **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

### Spaceball M

#### **Tube framework:**

Framework-steel tubes, Ø 60.3 mm (2 3/8"); anti-corrosion treatment and color finish: sandblasting and solvent-free zinc-/ epoxy-/ polyester-process

#### **Nodes:**

Framework-aluminum ball connectors; Ø 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); rope-diameter Ø 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)

#### **other elements:**

##### **Transition net:**

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)

#### **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



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