

## Neptun.17 – Product Specification



### Univers – Classics among rope playground equipment

Net structures offer hours of fun and adventure on several levels – climbing and swinging, up and down, horizontally and vertically – space on earth.

The original spatial nets: Born over 40 years ago as a play concept, continuously further developed in form and detail, still popular even after several generations.

#### Neptun.17 – at a glance.

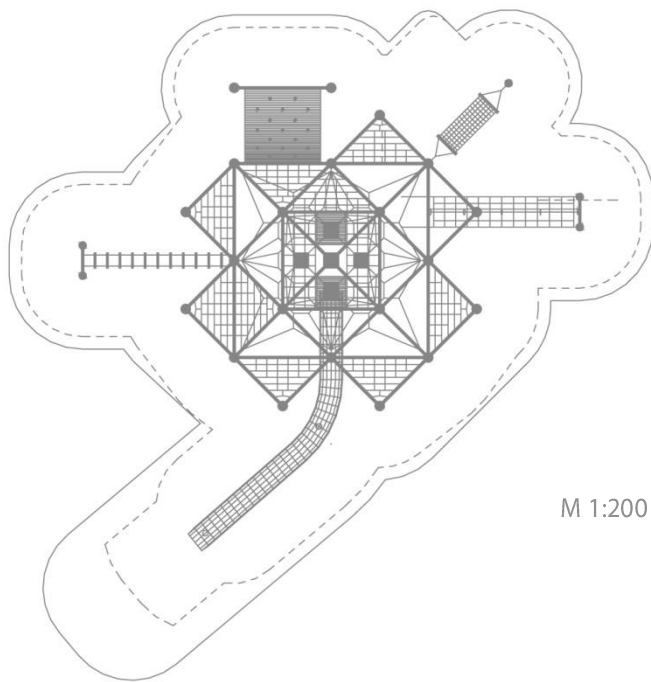
|                                          |                                                                |                                        |                                                           |
|------------------------------------------|----------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------|
| Product Family:                          | <b>Univers</b>                                                 | Number of Foundations:                 | <b>18 pc.</b>                                             |
| Item Number:                             | <b>90.141.020</b>                                              | Concrete Volume C20/C25:               | <b>5.6 m³ (197.8 ft³)</b>                                 |
| Children's Age:                          | <b>5+</b>                                                      | Number of skilled installers required: | <b>4</b>                                                  |
| Fall Height (DIN EN 1176):               | <b>2.50 m (8'-3")</b>                                          | Installation Time without foundation:  | <b>8 hours</b>                                            |
| Length x Width x Height:                 | <b>13.2 m x 12.5 m x 6.4 m<br/>(43'-5" x 40'-10" x 21'-1")</b> | Dimensions of largest part:            | <b>0.8 m x 0.8 m x 8.7 m<br/>(2'-7" x 2'-7" x 28'-7")</b> |
| Protective Surfacing Area (DIN EN 1176): | <b>17.0 m x 17.7 m</b>                                         | Weight of heaviest part:               | <b>300 kg (661.5 lbs)</b>                                 |
| Protective Surfacing Area (ASTM 1487):   | <b>17.0 m x 17.7 m<br/>(55'-10" x 58'-1")</b>                  | Shipping Volume:                       | <b>17.0 m³ (600.5 ft³)</b>                                |
| Minimum space required DIN EN 1176:      | <b>166.0 m²</b>                                                | Spare part guarantee:                  | <b>Lifelong</b>                                           |
| Minimum space required ASTM 1487:        | <b>176.4 m² (1,899.0 sf)</b>                                   |                                        |                                                           |

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

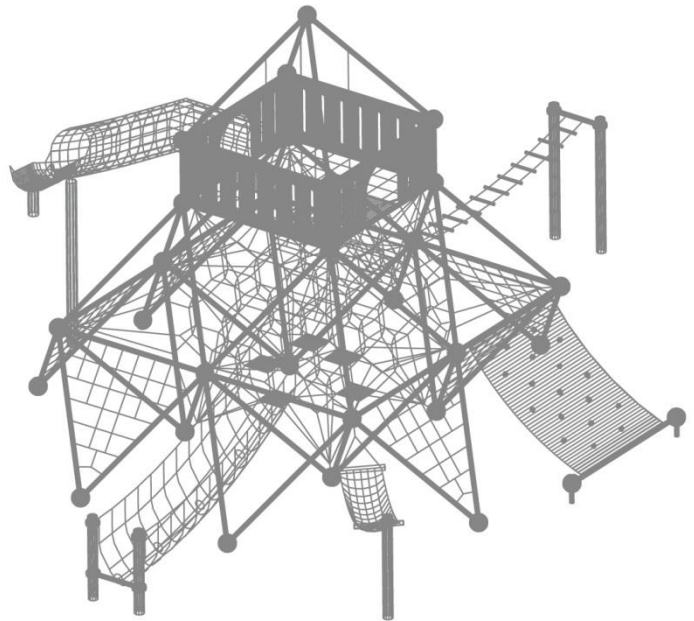
Tel. +49.(0)30.41 47 24-0  
 Fax +49.(0)30.41 47 24-33

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

# Neptun.17 – Product Specification



M 1:200



## Technical Data.

The following text can also be used for tenders.

### Members:

Framework-steel tubes,  $\varnothing$  2 3/8" (60.3 mm); anticorrosion treatment and color finish: sandblasting and epoxy-/polyester-powdercoating.

### Nodes:

Framework-aluminum ball connectors,  $\varnothing$  9-13/16" (250 mm); anticorrosion treatment and color finish: sandblasting and epoxy-/polyester-powdercoating; incorporating the unique Astem TT net tensioning system, securely closed with durable ebonite caps.

### Ropes:

U-Rope-round strand ropes with galvanized steel cores,  $\varnothing$  5/8" (16 mm); external strands are covered with high abrasion resistant and UV-resistant polyester-yarn.

### Flubber membrane:

Square rubber element for the insertion into net squares, comprised of durable, vandal-resistant conveyor belt material.

### Spatial netting:

Rope crossing points localized by durable, drop forged aluminum-cloverleaf rings; in situ-replaceable rope lines (no special tools required).

### Planar netting:

Rope crossing points localized by durable, drop forged aluminum-ballknots (no plastic)

### Triangular netting:

Net fills one triangle in the framework of the net structure, system dimension 2060 mm (6-9 1/8"), mesh width 250 x 250 mm (9-13/16" to 9-13/16"), connected to frame with cast aluminum rope clamps.

### Steel supports:

Uprights comprised of steel tubes  $\varnothing$  5 1/4" (133 mm) with rounded cast aluminum post tops, minimum wall thickness 1/4" (7.1mm); horizontal members comprised of Framework-steel tubes,  $\varnothing$  2 3/8" (60.3 mm); All connections to upright posts are with cast aluminum Terranos clamps; anticorrosion treatment and color finish: sandblasting and epoxy /polyester-powdercoating.



  
**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



# Neptun.17 – Product Specification



## Technical Data.

### Hammock:

Hammock net with mesh width 100 x 130mm (3-15/16" x 5 1/8"), with two in situ-replaceable square rungs; rungs out of stainless steel profile AISI304 (1.4301) with aluminum end caps; The short sides are suspended from cables and hinged between the node of the net structure and a steel support. The swivel joints are attached to the suspension cables at two flexible points, thus preventing the netting from rolling over.

### Flubber access:

Rubber access comprised of durable, vandal-resistant conveyor belt material, equipped with hand grips, connected to half side of the net structure, system height 1810 mm (5-11 1/4"), fixed to the ground with steel uprights comprised of steel tubes Ø 133 mm (5 1/4"), minimum wall thickness 7.1 mm (1/4"); horizontal members comprised of Framework-steel tubes, Ø 2 3/8" (60.3 mm); anticorrosion treatment and color finish: sandblasting and epoxy-/polyester-powdercoating.

### Fort:

Four HDPE-panels at the top of the Neptun net climber, panel thickness 19 mm (3/4"), connected to steel tubes with cast aluminum panel clamps.

### Curved slide:

Attached to one of the entrance panels, comprised of plastic or stainless steel AISI304 (DIN 1.4301) with 51,5°-curve; Start height 3550mm (11- 7 3/4"); equipped with BSF-start bracket and one support.

### Jungle Bridge:

Bridge with thick walk rope comprised of PP-cordage, Ø 5 7/8" (150 mm); with steel core Ø 1/2" (12 mm), external PP-winding durable stabilized with shrink-rubber sleeves at regular intervals; supporting points at railing net for walk rope protected with shrink-rubber sleeves; ends are fixed with shackles.

### Hand-over-hand-ladder:

Width 290 mm (11-7/16"), distance between rungs 250-300 mm (9-13/16" to 11-13/16"), rungs comprised of Nylon 6.6.

### Rope ladder:

Width 290 mm (11-7/16"), distance between rungs 250-300 mm (9-13/16" to 11-13/16"), rungs comprised of Nylon 6.6, connected to horizontal member of net structure with cast aluminum rope clamps, fixed to the ground with a galvanized anchor plate.

### Climbing rope :

All ropes Ø 13/16" (21mm), vertical ropes with worked-in ebonite cylinders, distance between cylinders 9-13/16" to 11-13/16" (250-300mm)

