

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.

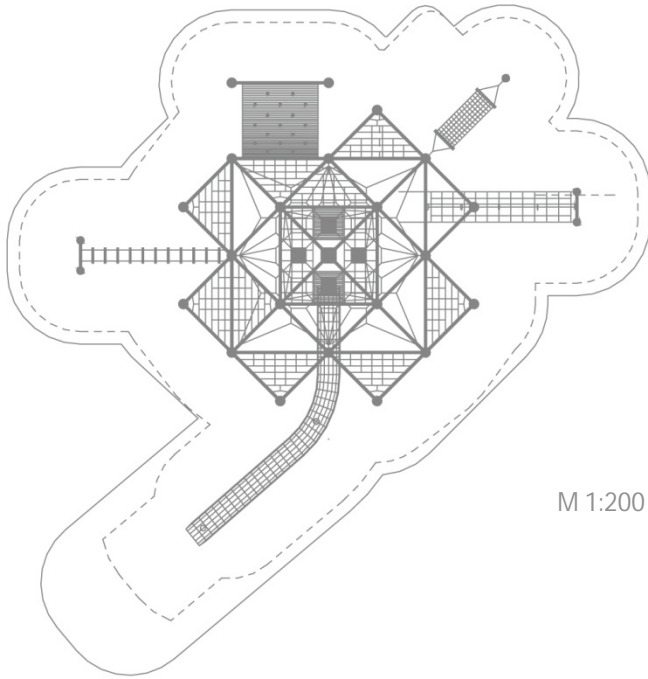
Product Family:	Univers	Number of Foundations:	18 pc.
Item Number:	90.141.020	Concrete Volume C20/C25:	5.6 m³ (197.8 ft³)
Children's Age:	5+	Number of skilled installers required:	4
Fall Height (DIN EN 1176):	2.50 m (8'-3")	Installation Time without foundation:	8 hours
Length x Width x Height:	13.2 m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


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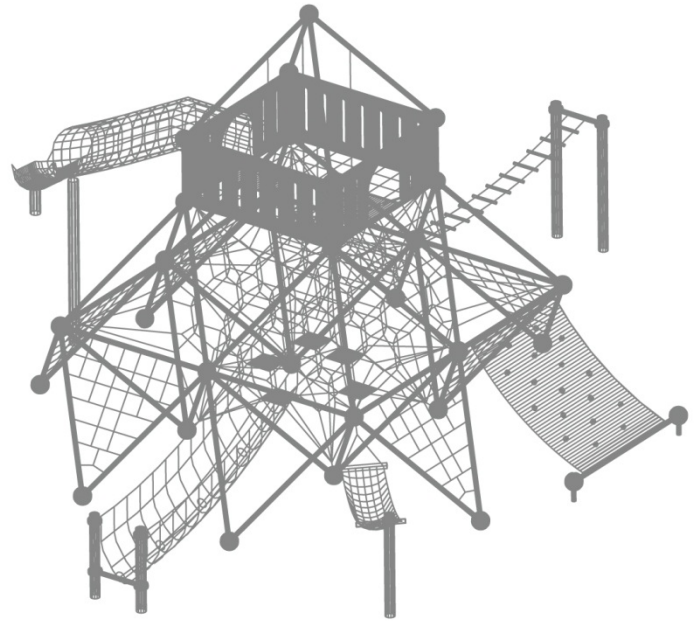
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M 1:200



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.


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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 \varnothing 133 mm (5 1/4"), minimum wall thickness 7.1 mm (1/4"); horizontal members comprised of Framework-steel tubes, \varnothing 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, \varnothing 5 7/8" (150 mm); with steel core \varnothing 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 \varnothing 13/16" (21mm), vertical ropes with worked-in ebonite cylinders, distance between cylinders 9-13/16" to 11-13/16" (250-300mm)

