

# Irrland – 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.

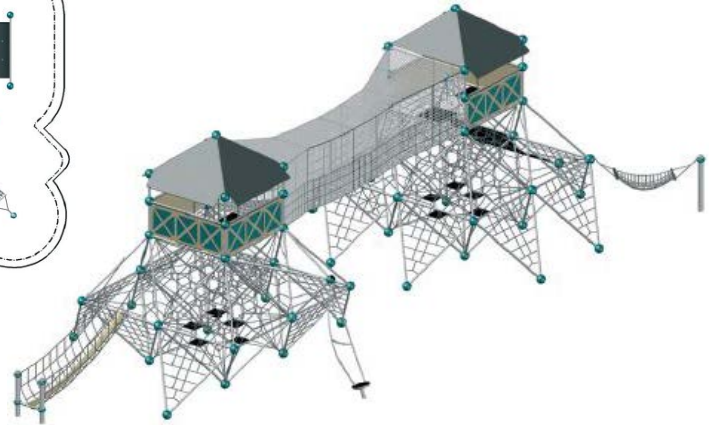
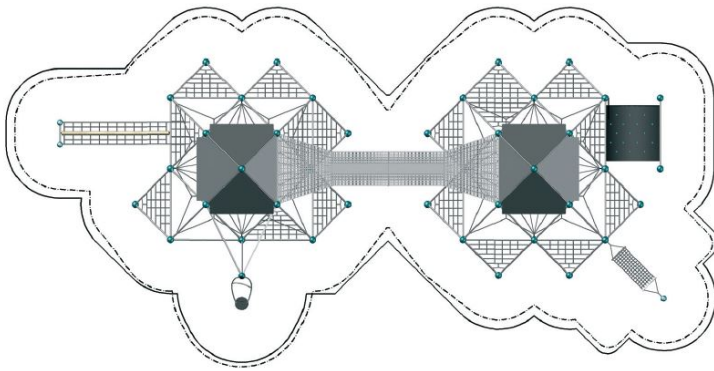
The original spatial nets: Born over 40 years ago as a play concept, continuously further developed in form and detail, still popular even after several generations.

### Neptun.20 – At a glance.

|  |   |  |   |
|--|---|--|---|
| Product Family:                          | <b>Univers</b>  | Number of Foundations:                 | <b>25 pc.</b>   |
| Item Number:                             | <b>90.141.227</b>   | Concrete Volume C20/C25:               | <b>10.0 m<sup>3</sup> (353.2 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>1.72 m (5'-8")</b>   | Installation Time without foundation:  | <b>20 hours</b>   |
| Length x Width x Height:                 | <b>22.1 m x 9.1 m x 6.5 m<br/>(72'-7" x 29'-11" x 21'-4")</b> | Dimensions of largest part:            | <b>9.0 m x 0.8 m x 0.8 m<br/>(29'-7" x 2'-8" x 2'-8")</b> |
| Protective Surfacing Area (DIN EN 1176): | <b>12.7 m x 25.2 m</b>  | Weight of heaviest part:               | <b>160 kg (353 lbs)</b>                                   |
| Protective Surfacing Area (ASTM 1487):   | <b>Upon request</b>   | Shipping Volume:                       | <b>Upon request</b>                                       |
| Minimum space required DIN EN 1176:      | <b>222.3 m<sup>2</sup></b>                                    | Spare part guarantee:                  | <b>Lifelong</b>   |
| Minimum space required ASTM 1487:        | <b>Upon request</b>   |  |   |



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## Technical Data.

The following text can also be used for tenders.

- 2 Neptun with rubber membrane, balustrade, row and access net
- Closed suspension bridge covered with safety net
- Rubber ramp
- Duck Jibe
- Hammock
- Jungle bridge

### 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.

### 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).

### 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

### Access 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)

### HDPE Panels:

HDPE plates as wall panels made of abrasion-proofed plastic (t=19mm; t=3/4").

### Hammock:

Rope  $\varnothing$  16 mm (5/8"); hammock net with mesh width approx. 100 x 100 mm (3-15/16" x 3-15/16"); with two in situ-replaceable square rungs; rungs comprised of stainless steel profile with aluminum end caps; two swivel joints connect to aluminum clamps

### Rubber ramp:

Rubber comprised of durable, vandal-resistant conveyor belt material; rope  $\varnothing$  16 mm (5/8"); climbing handles: HDPE

### Jungle bridge:

Bridge with thick walk rope comprised of Polypropylene-cordage,  $\varnothing$  150 mm (5 7/8"); with steelcore  $\varnothing$  12 mm (1/2"), external PP-winding and ends durable stabilized with shrink-rubber sleeves at regular intervals; net comprised of rope  $\varnothing$  16 mm (5/8"); rope crossing points localized by durable, drop forged aluminum ballknots (no plastic)

### Duck Jibe:

Curved Framework stainless steel pipes  $\varnothing$  60.3 mm (2 3/8"), wall thickness 2.9 mm; lubricated, antifriction reciprocal bearings; connected to the main Cosmo framework with a thick-walled Framework-aluminum ball connector,  $\varnothing$  250mm (9-13/16"), standing platform is comprised of grained HDPE, 19 mm thick; the turning bearing construction located in the ground consists of Framework stainless steel pipe retainers,  $\varnothing$  40 mm (1-3/5"), wall thickness 5 mm (3/16")

