

# Univers

## Quadrifol.01 Product Specifications


















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### Quadrifol.01

Univers showcases all see-through outer frame structures with three-dimensional nets inside. All tensioning points are provided with the patented AstemTT® tensioning system. This ensures that no technical connecting elements or rope loops are located in the play area.

Whether it's climbing, swinging, sliding, wobbling, or spinning, the Quadrifol.01 has something for everyone. This exciting play structure will attract children of all ages and abilities – with plenty of room to explore and test their skills.

## 71.133.001

 Product Family	<b>Univers</b>
 Length x Width x Height (m) Length x Width x Height ("'-")	<b>9,8 x 15,2 x 3,8</b> <b>32-2 x 49-10 x 12-6</b>
 Protective Surfacing Area acc. to DIN EN 1176 (m) Protective Surfacing Area acc. to ASTM/CSA (m) Protective Surfacing Area acc. to ASTM/CSA ("'-")	<b>12,7 x 18,3</b> <b>13,4 x 18,7</b> <b>43-11 x 61-5</b>
 Fall Height acc. to EN 1176 (m) Fall Height acc. to ASTM/CSA ("'-")	<b>2,9</b> <b>9-7</b>
 Age	<b>5</b>
 Minimum Space required acc. to DIN EN 1176 (m²) Minimum Space required acc. to ASTM 1487 (ft²)	<b>136,72</b> <b>1575,73</b>
 Number of Foundations	<b>16</b>
 Concrete Volume C20/C25 (m³)	<b>11</b>
 Number of skilled Installers required	<b>3</b>
 Installation Time without Foundation	<b>20 hours</b>
 Dimensions of largest Part (m)	<b>On request</b>
 Weight of heaviest Part (kg)	<b>On request</b>
 Shipping Volume (m³)	<b>On request</b>
 Total Weight (kg)	<b>On request</b>
 Spare Part Guarantee	<b>Lifelong</b>

### Technical Data

The following text can also be used for tenders.

#### Posts:

The bent steel posts with a diameter of  $\varnothing$  133 mm (5 1/4") and a wall thickness of 7,1 mm (1/4") are thermally galvanized to protect against corrosion or, if desired, can be powder-coated in colour using a solvent-free epoxy/ polyester/ process. The slightly bent Terranova posts are also watertight sealed with rounded aluminium tops.

#### Balls:

The Frameworx® aluminium balls with a diameter of 250 mm (9 13/16") are sandblasted and powder-coated solvent-free to protect against corrosion. In addition, they are equipped with the internal, patented AstemTT® tensioning system and securely closed with durable EPDM caps.

#### Tubes:

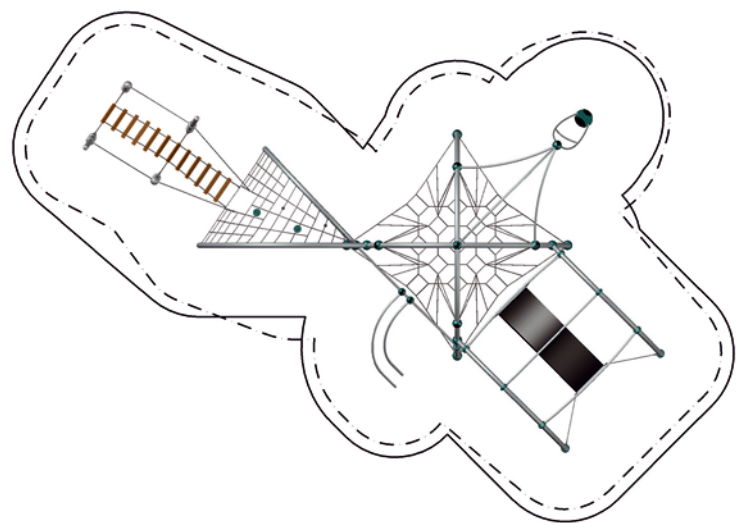
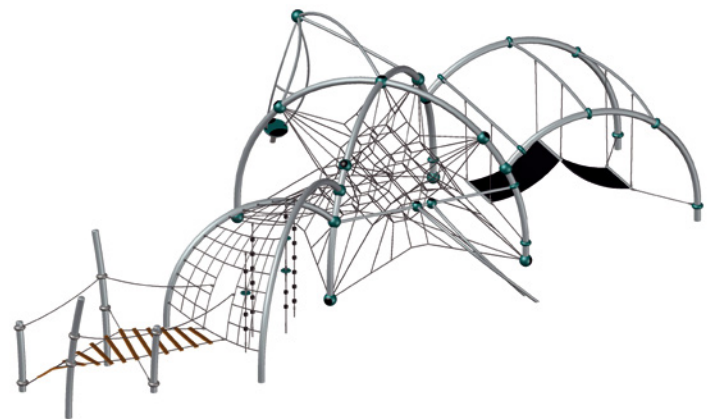
The Steel tubes with a diameter of  $\varnothing$  60,3 mm (2 3/8") and a wall thickness of 2,9 mm (1/8") and 5 mm (3/16") are thermally galvanized to protect against corrosion and powder-coated in colour using a solvent-free epoxy/polyester/process.

#### Terranos Clamps:

The two-part Terranos® aluminium clamps are used to connect the ropes and tubes to the steel posts by using the Frox-Connection. When connecting stainless steel chains and steel posts, the clamps with Chrox-Connection are used.

#### Curved Banister:

The curved Frameworx® stainless steel tubes with a diameter of  $\varnothing$  60,3 mm (2 3/8") and a wall thickness of 3 mm (1/8") are connected to the main frame by aluminium balls with a diameter of 200 mm (7 7/8").



#### Duck Jibe:

The Frameworx® stainless steel tubes are connected at the top to the main framework by lubricated, antifriction reciprocal bearings and an aluminium Ball connector. The standing platform is comprised of grained HDPE and the bearing construction to the ground consists of a steel pipe retainer.

#### Ropes:

The U-Rope® with strand cores and rope core made of galvanised wires has outer strands which are covered with highly abrasion-resistant and highly UV-resistant polyester yarn (not polypropylene). The rope diameters are  $\varnothing$  16 mm (5/8") and  $\varnothing$  18 mm (7/8").

#### Spatial Net & Planar Nets:

The net structures are fixed at the rope crossing points by durable aluminium parts such as cloverleaf ring, forged ball knot, T-connectors and barrel-ferrule (no plastic). Spatial nets are low in follow-up costs due to individually replaceable rope strands.

#### Climbing Ropes and Rocking Plates:

Vertically mounted ropes to which HDPE Rocking Plates and climbing knots made of durable hard rubber cylinders are attached at different heights. They are fixed by means of cast aluminium and stainless steel connections.

#### Bridge Rungs:

The rungs are made of solid-coloured and both sides grained HDPE.

#### Rubber Mat:

The rubber mat of the Wobble Way consists of durable and vandalism-proof conveyor belt.