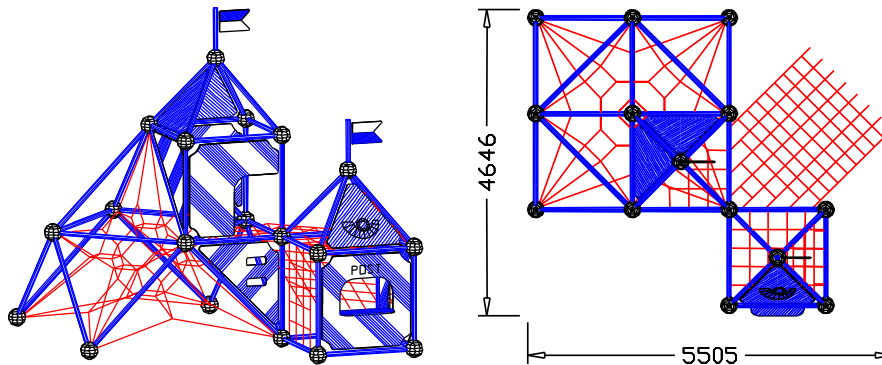


# Product Specification

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<b>Product Family</b>	: CombiNation
<b>Product name</b>	: Kaiserslautern
<b>Item number</b>	: 90.150.111.001
<b>Children's age</b>	: 5+
<b>Fall Height (EN1176)</b>	: 1.49 m (4'-11")
<b>Dimensions: Length, width, height</b>	: 5.6 x 4.7 x 4.7 m (18'-1" x 15'-4" x 15'-4")
<b>Protective Surfacing Area required (EN1176)</b>	: 8.6 x 7.7 m
<b>Protective Surfacing Area required (ASTM 1487)</b>	: 9.2 x 8.4 m (30'-1" x 27'-3")
<b>Minimum space required</b>	: <b>EN1176:</b> 51.3 m <sup>2</sup> / <b>ASTM 1487:</b> 60.6 m <sup>2</sup>
<b>Number of foundations</b>	: 9
<b>Concrete Volume C20/25 (3.000 psi)</b>	: 1.2 m <sup>3</sup>
<b>Number of skilled installers required</b>	: 2
<b>Installation time without foundation</b>	: 7 hours
<b>Dimensions of largest part</b>	: Ø 0.06 x 1.83 m (Ø 2 1/5" x 6')
<b>Weight of heaviest part</b>	: 80 kg
<b>Freight volume</b>	: 4 m <sup>3</sup>
<b>Gross weight</b>	: 630 Kg
<b>Spare part guarantee</b>	: Lifelong
<b>Certificate according to EN 1176</b>	: No.: Z2 05 10 10256 038 – TÜV Product Service



**CombiNation** including the following elements from the **Univers** Net Structures and the **Quadropolis** Play Construction programmes:

- 1 x Mars
- 1 x Quadropolis-extension to Mars (skyscraper)
- 1 x Quadropolis-module house
- framework partitions partially filled with panel- or net elements
- 1 x 45°-access net

Members:	<b>Framework</b> -steel pipes, Ø 60.3 mm (2 3/8"); anticorrosion treatment and color finish: sandblasting and zinc-/ epoxy-/ polyester-process.
Nodes:	<b>Framework</b> -aluminum ball connectors, Ø 250mm (9-13/16"); anticorrosion treatment and color finish: sandblasting and zinc-/ epoxy-/ polyester-process; incorporating an ASTM TT net tensioning system, securely closed with durable ebonite caps.

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## Product Specification

Ropes:	<b>U-Rope</b> -round strand ropes with galvanized steel cores, $\varnothing$ 16mm (5/8'') – unless otherwise noted; external strands are covered with non-abrasive 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)
Panels:	HDPE-panel, thickness 19mm (3/4''), panel connected to steel pipes (for more details, see members) with cast aluminum panel clamps.
45° access net :	Access net, width 1750mm (5- 8 7/8'), mesh width 250x250mm (9-13/16''x9-13/16''), connected to horizontal members of modules with cast aluminum rope clamps. Fixed to the ground with two foundation brackets attached to a horizontal pipe.