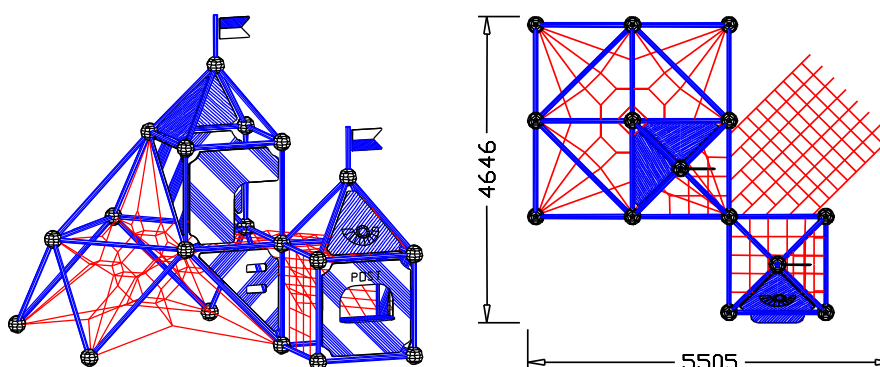




# Product Specification

**Product Family** : CombiNation  
**Product name** : Kaiserslautern  
**Item number** : 90.150.111.001  
**Children's age** : 5+  
**Fall Height (EN1176)** : 1.49 m (4'-11")  
**Dimensions: Length, width, height** : 5.6 x 4.7 x 4.7 m (18'-1" x 15'-4" x 15'-4")  
**Protective Surfacing Area required (EN1176)** : 8.6 x 7.7 m  
**Protective Surfacing Area required (ASTM 1487)** : 9.2 x 8.4 m (30'-1" x 27'-3")  
**Minimum space required** : **EN1176:** 51.3 m<sup>2</sup> / **ASTM 1487:** 60.6 m<sup>2</sup>  
**Number of foundations** : 9  
**Concrete Volume C20/25 (3.000 psi)** : 1.2 m<sup>3</sup>  
**Number of skilled installers required** : 2  
**Installation time without foundation** : 7 hours  
**Dimensions of largest part** : Ø 0.06 x 1.83 m (Ø 2 1/5" x 6')  
**Weight of heaviest part** : 80 kg  
**Freight volume** : 4 m<sup>3</sup>  
**Gross weight** : 630 Kg  
**Spare part guarantee** : Lifelong  
**Certificate according to EN 1176** : 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:** **Frameworkx**-steel pipes, Ø 60.3 mm (2 3/8"); anticorrosion treatment and color finish: sandblasting and zinc-/ epoxy-/ polyester-process.  
**Nodes:** **Frameworkx**-aluminum ball connectors, Ø 250mm (9-13/16"); anticorrosion treatment and color finish: sandblasting and zinc-/ epoxy-/ polyester-process; incorporating an ASTEM TT net tensioning system, securely closed with durable ebonite caps.



## 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.