

# Vario

## Vario M.09 Product Specifications


















Published: March 2022

### Vario M.09

Let Vario be the highlight of your playground. This investment involves no major planning, delivery is fast and installation straightforward. All tensioning points are based on the AstemTT® system to ensure that no technical connecting elements or thimbles are located in the play space.

The framework of the Vario makes this three-dimensional rope play structure expandable! Depending on your needs and budget, a slide, a access net and banister can be connected. Vario is fully ASTM F1487 compliant and is listed on the IPEMA Webpage.

## 70.300.135.009

	Product Family	<b>CombiNation</b>
	Length x Width x Height (m) Length x Width x Height ("")	<b>9,4 x 5,1 x 3,2</b> <b>30-8 x 28-8 x 10-6</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>12,9 x 8,4</b> <b>13,3 x 8,8</b> <b>43-7 x 28-8</b>
	Fall Height acc. to EN 1176 (m) Fall Height acc. to ASTM/CSA ("")	<b>1,98</b> <b>6-6</b>
	Age	<b>5-12</b>
	Minimum Space required acc. to DIN EN 1176 (m <sup>2</sup> ) Minimum Space required acc. to ASTM 1487 (ft <sup>2</sup> )	<b>On request</b> <b>779</b>
	Ground Anchor Plates (28" below level) Concrete Foundations	<b>9</b> <b>1</b>
	Concrete Volume C20/C25 (ft <sup>3</sup> )	<b>2</b>
	Number of skilled Installers required	<b>2</b>
	Installation Time without Foundation	<b>6 hours</b>
	Dimensions of largest Part ("")	<b>15-5 x 3-11 x 2-0</b>
	Weight of heaviest Part (lbs)	<b>662</b>
	Shipping Volume (ft <sup>3</sup> )	<b>On request</b>
	Total Weight (lbs)	<b>On request</b>
	Spare Part Guarantee	<b>Lifelong</b>

The dimensions of the equipment and protective surfacing area have been rounded up to one decimal digit.

## Technical Data

Technical changes are reserved. The following text can also be used for tenders.

### Tubes:

The steel tubes of the framework have a diameter of  $\varnothing 1 \frac{7}{8}$ " with a wall thickness of  $\frac{1}{8}$ " and  $\varnothing 2 \frac{3}{8}$ " with  $\frac{1}{16}$ ".

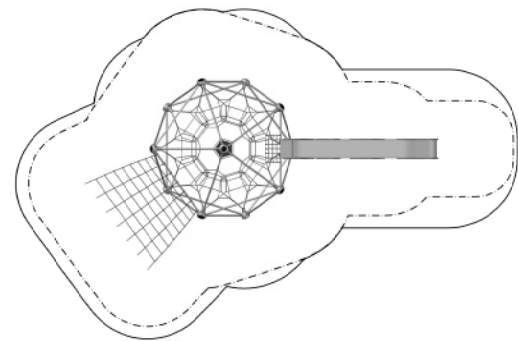
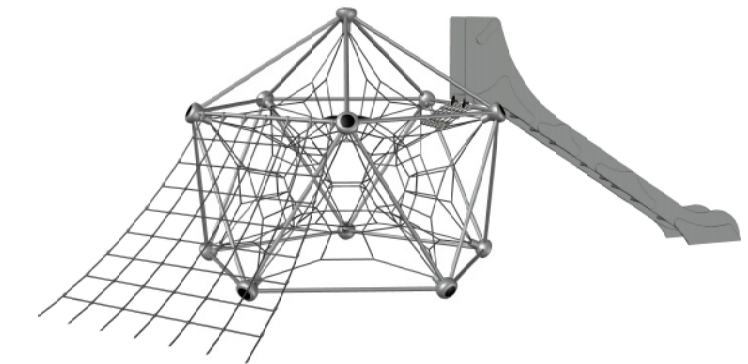
### Nodes:

The aluminum cast nodes are all equipped with an centred internal single point tensioning system. Also they are securely closed with durable EPDM caps.

**Tubes, and Nodes are sandblasted and powder coated in color using an epoxy-polyester stoving process.**

### Ropes:

U-Rope®-round strand ropes with galvanized steel cores and a diameter of  $\varnothing \frac{5}{8}$ ". The external strands are covered with high abrasion-resistant and UV-resistant polyester-yarn (no Polypropylene).



### Spatial Net:

The net structures are fixed at the rope crossing points by durable aluminum 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.

### Acces Net:

A planar net with a rope diameter of  $\varnothing \frac{5}{8}$ " and a mesh size of at least  $9 \frac{13}{16}$ " x  $9 \frac{13}{16}$ ". The rope crossing points are fixed by durable aluminum ball knots (no plastic). They are attached to the pipe by aluminum clamps and to the ground by stainless steel chains in combination with foundation plates.

### Rubber Mat:

The rubber mat of the Vario consist of durable and vandalism-proof conveyor belt.

### Fast Lane Slide:

Straight box slide made of colored and unilaterally grained HDPE panels with a thickness of  $\frac{3}{4}$ ", variably milled and built up in layers. All visible fittings are hidden by HDPE or bamboo elements. The substructure consists of stainless steel tubes with a diameter of  $\varnothing 2 \frac{3}{8}$ " and pressed-in threaded discs.