

# Quadrifol.031

Univers



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## Quadrifol.031 Product Specification

Quadrifol and Satellights - Spatial net and interactive play with light elements united.

The Quadrifol is a climbing web stretched across metal arcs. It offers endless climbing fun in 3-D for children of all ages! Here we join it with our Satellights. The organic design of the Satellights combined with interactive light elements are a great addition for every playground: Interactive, modern, sustainable, and unique on the market!

Red, green, or blue – which game shall we play today? Whether your testing reactions agility, or endurance – with Satellights, you can have a playful challenge and lots of fun alone or with friends! Due to the patented Charlotte-Connector, the end of the rope disappears into the bottom (buried) tube, through which the cables connect the play elements to the generator. The Satellights do not need an external power supply.

## 71.133.031

	Product Family	<b>Univers</b>
	Length × Width × Height (m) Length × Width × Height ("-")	<b>9,1 × 6,1 × 3,6</b> <b>29-9 × 20-0 × 11-8</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>12,1 × 9,1</b> <b>12,8 × 9,8</b> <b>41-9 × 32-0</b>
	Fall Height acc. to EN 1176 (m) Fall Height acc. to ASTM/CSA ("-")	<b>2,13</b> <b>7-0</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>59,0</b> <b>741,8</b>
	Number of Foundations	<b>6</b>
	Concrete Volume C20/C25 (m <sup>3</sup> ) Concrete Volume C20/C25 (ft <sup>3</sup> )	<b>6,3</b> <b>220</b>
	Number of skilled Installers required	<b>3</b>
	Installation Time without Foundation	<b>8 hours</b>
	Dimensions of largest Part (m) Dimensions of largest Part ("-")	<b>3,6 × 1,0 × 0,2</b> <b>11-10 × 3-4 × 0-8</b>
	Weight of heaviest Part (kg) Weight of heaviest Part (lbs)	<b>70</b> <b>155</b>
	Shipping Volume (m <sup>3</sup> ) Shipping Volume (ft <sup>3</sup> )	<b>6,2</b> <b>220</b>
	Total Weight (kg) Total Weight (lbs)	<b>900</b> <b>2000</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.

### Posts:

Bent steel pipes Ø 133 mm (5 1/4"), wall thickness 5 mm (3/16") with a round cast aluminum post top. Anti-corrosion treatment and color finish: sandblasting and solvent-free epoxy-/ polyester-process.

### Terranos®- Clamps:

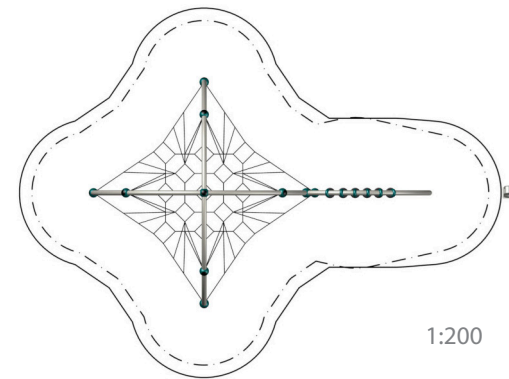
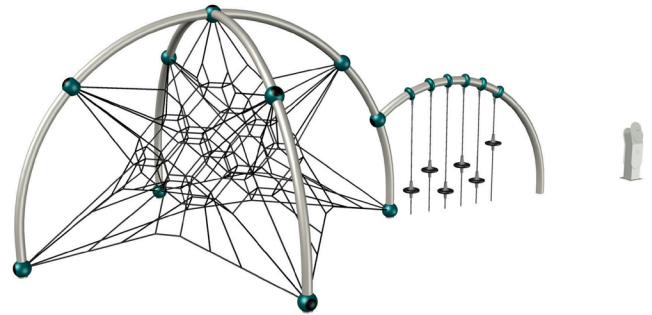
Two-part cast aluminum connecting clamps for the height-adjustable connection of rope elements or steel pipes to Terranos®- steel posts. Anti-corrosion treatment and color finish: sandblasting and solvent-free epoxy-/ polyester-process.

### Spheres:

Framework®-Aluminiumkugeln, Ø 250 mm. Sandgestrahlt und korrosionsschützend lösemittelfrei im Epoxy-Polyester-Einbrennverfahren farbig pulverbeschichtet, ausgerüstet mit innenliegendem Befestigungssystem. Sicher verschlossen mit langlebigen EPDM-Linsen.

### Ropes:

U-Rope®-round strand ropes with galvanized and covered wires. External strands with non-abrasive UV-resistant polyester-yarn (no polypropylene), Ø 18 mm (11/16").



### Spatial Net:

Rope crossing points are localized with durable, drop forged aluminum cloverleaf rings and drop forged aluminum ballknots / aluminum-ferrules (no plastic connections). In situ-replaceable rope strands (no special tools required).

### Satellites-Ropes:

U-Rope®-round strand rope with strand cores and rope core made of galvanized wires. Outer strands covered with highly abrasion-resistant and high-UV-resistant polyester yarn (no polypropylene), Ø 18 mm. Low voltage for operating the Satellites runs through internal insulated steel strands and powers the LED lighting integrated into the discs.

### Discs' Materials:

Satellites made of natural rubber and stainless steel turned parts.

### Buried Tube:

The generated energy runs from the generator through several power cables inside a buried steel pipe to the corresponding ropes. Using the patented Charlotte Connector, the rope end is tensioned and anchored inside the buried steel tube.

### Generator Console:

**Base of the console:** Steel

**Front side of the bracket:** Steel, powder-coated and designed with sublimation printing on polyurethane base.

**Rotating wheel:** Steel with polyurethane powder coating.

### Computer Specifications:

The mini-computer contains a microchip board, 12V, compliant with RoHS and European standards. The computer has a USB port for programming new content, time lock, software, or collecting user data. The computer has a volume switch.

### Technical Details of Electronic Components:

1. 12V low-speed generator.
2. Mini-computer with integrated software and pre-programmed games.
3. Satellite lighting: High-performance RGB LEDs encapsulated in polyurethane resin.
4. Satellite activation: Pressure-sensitive piezo switches.
5. Time lock to prevent noise disturbance (programmable).
6. Speaker (Mylar diaphragm / moisture-protected, IP65).
7. Temperature range of electronic components: -25 to 70 degrees Celsius.
8. Maximum noise level < 80 dB to prevent hearing damage