

**Varioklipp® S**



## ***Fall Protection Rail with Varioklipp® Aluminum Module System***



***Safe, impact-absorbing enclosures for  
playfields, running tracks, sandboxes,  
raised beds and more***

The combination of rust free and easy to handle aluminum sections and a silicone fall protection rail makes this edging system truly unique. Besides extra safety, the robust, 25 mm thick enclosure and (raised) planting bed system known as Varioklipp® offers a high degree of design flexibility. The section elements, finished in fine silver or black, are outstandingly suited for creating any enclosure where hazard reduction has top priority. Impacts are absorbed by the 25 mm wide and 25 mm high silicone fall protection rails, which have a Shore hardness of about 50A. The rails provide a transition space so there is no abrupt border between a fall impact surface and the hard ground.

Applications for this safety system range from enclosures at sporting and recreational facilities or around sandboxes and play boxes to soft edged surrounds for raised planting beds at care facilities for the elderly, the physically impaired or for children.

The base elements are made of an aluminum alloy and can be clipped together by means of a click-lock system with 12 cm spacing. These are topped off by a 7.5 cm high aluminum section cap element. This is designed to receive the silicone fall protection rail. This produces a total height of 10 cm. The two upper edges of the fall protection rail reveal different radii: the "soft" 5 mm radius and the 2 mm radius. The larger radius is normally placed towards the protected area and the smaller radius towards the adjacent ground surface. The fall protection rail may be installed either in the factory or on site. This is done by simply pressing it into the receiving element. A suitable industrial-strength glue can be used to provide an additional bond and prevent any forced separation of the aluminum section and the fall protection rail.

To anchor the assembly, customers can choose between 90° section anchors provided with a round hole to accept steel spikes or screws or special concrete and ground anchors, which are anodized for high corrosion protection. The different anchoring options allow the system to be secured on firm subgrades such as on flat roofs or concrete and aggregate bases, or to be installed in the ground or in concrete foundations.

The prefabricated 90° and 270° corner brackets and wall end sections allow for highly diverse and variable enclosure shapes.



### Your Advantages at a Glance:

- Fall protection rails with two different radii, approx. 50A Shore hardness
- Low weight
- Modular system for custom heights
- Aluminum sections in aluminum silver or black anodized finish
- Broad range of design possibilities
- U-section end pieces for firm attachment to buildings
- Adjustable sliding 90° section anchors and concrete/earth anchors for secure installation
- Factory preassembly optional
- Easy transportation and installation
- Corrosion resistant and recyclable aluminum alloy

#### Technical Data:

Material/surface: Aluminum alloy (AlMgSi 0.5)  
natural or black anodized finish

#### Base and cap elements:

Dimensions: Section height: Base elements: 120 mm  
Cap elements: 75 mm  
Fall protection rail: 25 mm  
(with R1 = 5 mm, R2 = 2 mm)

Section thickness: 25 mm

Available lengths: 500, 1,000, 2,000 and 2,500 mm

#### Anchoring:

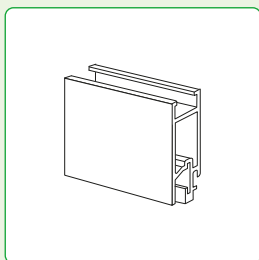
90° section anchor: H/L/W = 35/55/40 mm or 35/55/60 with  
7.5 mm dia. round hole for steel nails or screws

Concrete and earth anchor: H/W = 115/40 mm or 115/60 mm, with 80 mm below surface

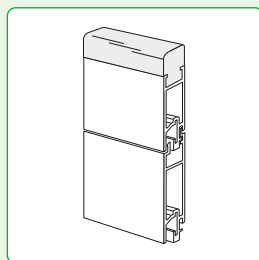
#### Accessories:

Corner bracket: 90° (outside corner, small radius outward) or  
270° (inside corner, small radius inward)

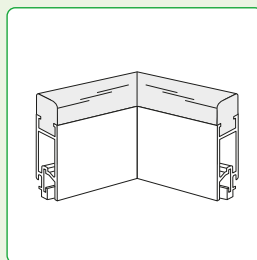
Side U-section end piece: 30.5 mm section insert L = 500, 1,000 or 2,000 mm



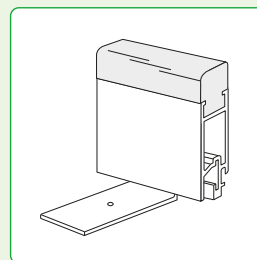
Cap element



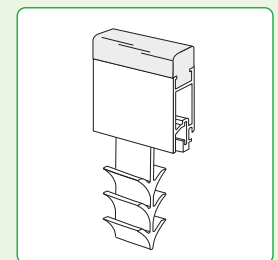
Base and cap element  
with fall protection rail



Corner connector



90° section anchor



Concrete and earth anchor

Please visit our website for more information. It contains supplemental information to this product sheet, including application examples, bidding specifications, product codes and reference projects. Data may change without notice as technology advances.

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