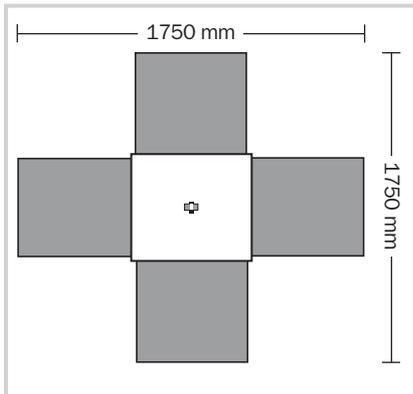


Stainless Steel Weighted Roof Anchor without Roof Penetration



The ABS-Lock® Vario system was developed to provide a secure single anchorage point for individuals on flat rooves without roof penetration.

The system is licensed and tested as a class E weighted roof anchor in accordance with DIN EN 795. Being manufactured completely from stainless steel protects it from corrosion. Concrete slabs, which can be purchased in any DIY store, provide the Vario with the required stability.



Implementation

The Lock Vario system is licensed for use on smooth rooves with a maximum 3° slope. It can also be implemented on wet or icy surfaces as long as the Lock Vario is surrounded by a layer of gravel or earth at least 5 cm thick.

system can either be used as a single anchorage point, a corner or end support or as an intermediate support integrated into a cabling system. For use as an intermediate support ABS supplies a model with 2 x 3 concrete slabs.



ABS-Lock® Vario in usage as a cabling system element

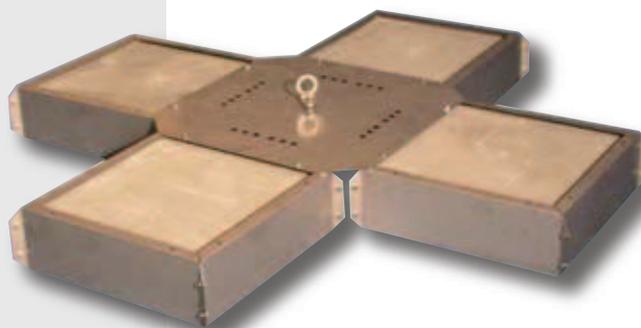
As it is held in place by the weight of 12 concrete slabs, each weighing 25 kg, it is not necessary to penetrate the roof surface or risk damaging the waterproofing. In order to protect the roof surface the Vario is setup on a drainage mat. The

Vario:

Weight: 330 kg (with concrete slabs)
Dimensions (LxB): 1.75 m x 1.75 m

Vario Intermediate Support:

Weight: 170 kg (with concrete slabs)
Dimensions (LxB): 1.75 m x 0.55 m



Stainless Steel Anchorage Point without Roof Penetration



The ABS-Lock® EG250 system was developed to provide a secure single anchorage point for individuals on flat rooves without having to penetrate the roof surface.

The system is licensed and CE-tested as a Class E anchorage point to take up one person and his/her personal protective equipment including fall arrester in accordance with DIN EN 795. Being completely manufactured from stainless steel protects the Lock EG250 from corrosion.



Implementation

Easy to use. The weighting materials (250 kg concrete slabs, roof plants, substrate, earth, gravel etc.) are simply distributed over the net.



The EG250 is easy and quick to install which keeps the costs down.

The Lock EG250 for use on flat rooves was designed for implementation with a wide variety of different materials to ensure safety is maintained. It does not matter whether you use concrete slabs, gravel or loose chippings. All you need is 250 kg of whichever material you have to hand spread out over the EG250 netting.

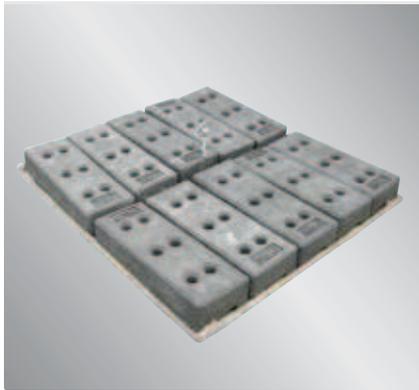
Also ideal for use on rooves with roof plants as the EG250 can be integrated into the greenery. The plant substrate is placed on the net and acts as the base weight, whereby the load must not exceed 110 kg/m² (corresponds to approx. 6 cm gravel)!

As it is totally integrated the EG250 does not spoil the general picture.

Dimensions (LxB): 1.55 m x 1.55 m



Mobile Anchorage Point Secured by its Own Weight



The ABS-Lock® EG260 system was developed to provide a secure single anchorage point for one individual on flat rooves without penetrating the roof surface or restricting movement.

The system is licensed and CE-tested as a class E weighted anchorage point in accordance with DIN EN 795. Being manufactured from stainless steel protects the Lock EG260 from corrosion. The weighted anchorage point was designed as a mobile anchor system for use on the whole roof surface.



Implementation

The Lock EG260 is licensed for use on nearly all roof surfaces with a maximum tilt of up to 30°.

The weight of the 10 recyclable plastic weights, each weighing 25 kg, means that it is not necessary to penetrate the roof surface or risk damaging the waterproofing.

The plastic weights are equipped with carrying recesses for easy transport. That makes it possible

to relocate the anchorage point in 5-10 minutes. The mobile anchorage point is placed on weather-proof fleecing which protects the roof membrane and ensures that the Lock EG260 does not slip.

Weight: A total of 260 kg incl. 10 weights, each weighing 25 kg
Anchor measurements (LxB): 1.4 m x 1.3 m
Fleece measurements (LxB): 2.0 m x 2.0 m



Fixed Stainless Steel Anchorage Point



The ABS-Lock® III system was developed to provide a secure single anchorage point for up to three individuals simultaneously.

The system has been licensed and CE-tested as an anchorage point in accordance with DIN EN 795, classes A, B and C. Being manufactured completely from stainless steel it is protected from corrosion. The Lock III can be mounted in a variety of ways on a variety of surfaces.



Implementation

The Lock III system is licensed for steel mounting (e.g. steel girders), concrete (also cracked) and in or on wooden surfaces (through a lateral mounting bracket) as well as reinforced concrete suspended ceilings.

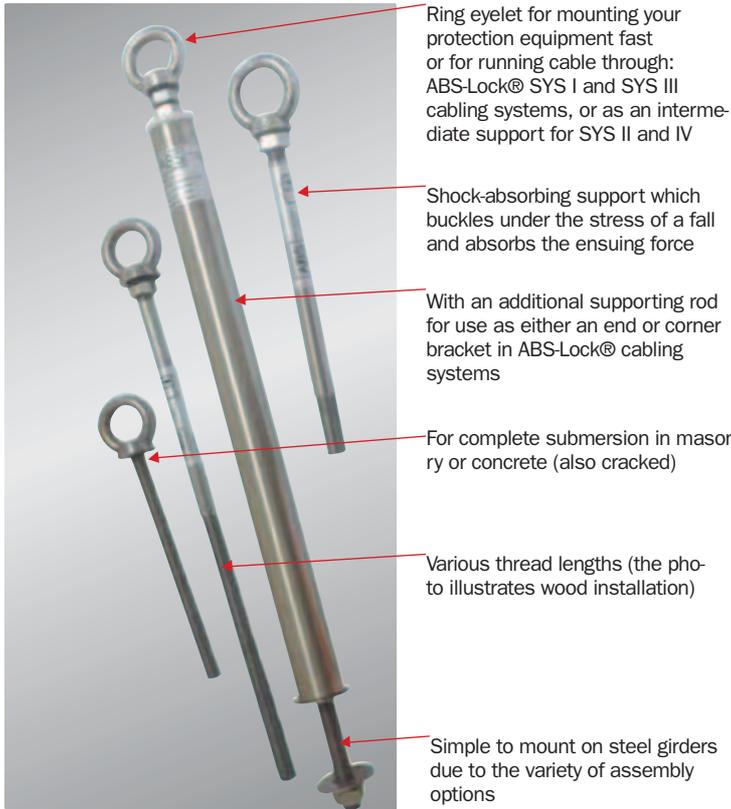
The system is available in lengths up to 1.0 m.

An additional supporting rod is used if the Lock III is mounted as either an end or corner support for a cabling system. Mounting in concrete

can either be done using a two-component adhesive or, in the case of the Lock III-BE model, using the integrated special nail plug.

The system can easily be implemented with a protruding end varying up to 0.85 m. It comes fitted with either a threaded or welded ring eyelet. If used as an intermediate support for the ABS-Lock SYS II or IV cabling systems it is supplied with a glide-over intermediate cable bracket.



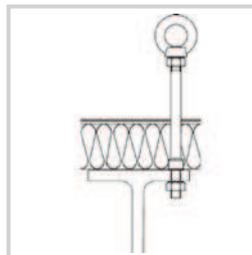


NEW: ABS-Lock® III BE, installed by hammering it in Installation, incl. drilling, in less than 2 minutes!

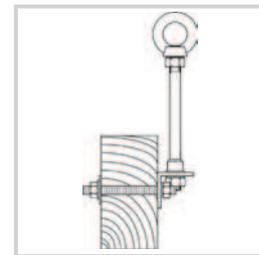
Implementation



In concrete cemented or hammered in

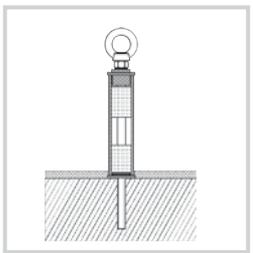


Bolted onto steel

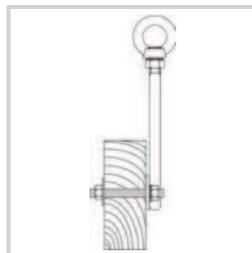


Laterally mounted on

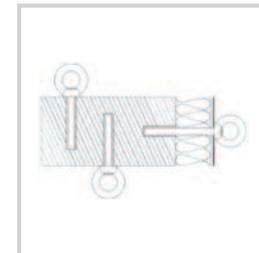
- concrete
- a building frontage
- a wooden rafter



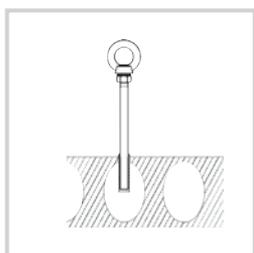
With a supporting rod (shown here installed in concrete)



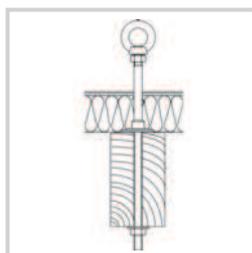
Laterally mounted on a wooden beam



Overhead or in a wall with no protrusion



Doweled into a reinforced concrete suspended ceiling



Screwed through a wooden beam

Permanent Stainless Steel Anchorage Point with Base Plate & Stainless Steel Anchorage Point for Trapezoidal Sheeting



The ABS-Lock® X system was developed to provide a secure single anchorage point for individuals.

The system is licensed and CE-tested as an anchorage point in accordance with DIN EN 795, classes A, B and C as an end post for cabling systems.

Being manufactured completely from stainless steel protects it from corrosion.



Implementation

The Lock X is available with various base plates suitable for a variety of surfaces so it can be used almost anywhere.

The Lock X system was specially developed for trapezoidal sheeting and sandwich elements to cut out the long-winded process of mounting on the substructure of the trapezoidal roof sheeting. Compared to other Lock X systems it has a special foot plate so it can be mounted on nearly all common trapezoidal sheeting. In cases where the insulation material is on top of the trapezoidal sheeting this system can be implemented using special spacer screws. Mounting to the trapezoidal sheeting or sandwich element is actually done using a special mounting kit consisting of four toggle bolts and sealant material. Each Lock X only takes between 5 to 10 minutes to

mount as a result. Mounting is simply done by drilling a hole through the trapezoidal roof sheeting. The toggle bolt is then inserted into the hole and screwed tight. An integrated rubber seal ensures that the hole is watertight and that the Lock X is thermally isolated.

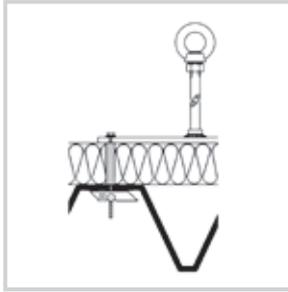
The system is available in lengths up to 1.0 m. An additional supporting rod is used if the Lock X is mounted as either an end or corner support for a cabling system.

In cabling systems where the supports need to have a height of 300 mm or more the Lock X/SR, consisting of a 42 mm stainless steel rod, is used.

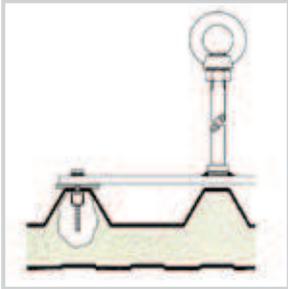
The Lock X is designed to buckle under the stress of a fall to absorb the ensuing bulk of the force. The Lock X is licensed for materials with as little as 0.5 mm thickness.



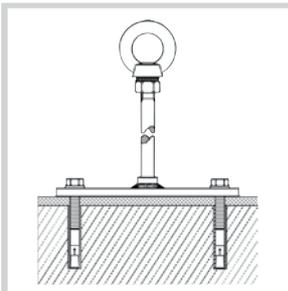
Applications



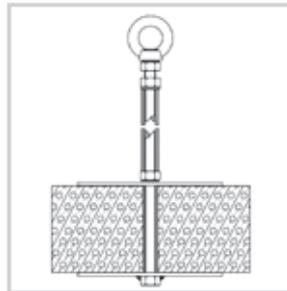
Trapezoidal sheeting



Sandwich panels



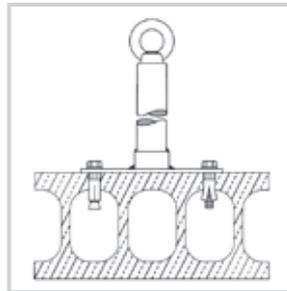
Bolted into concrete (B25)



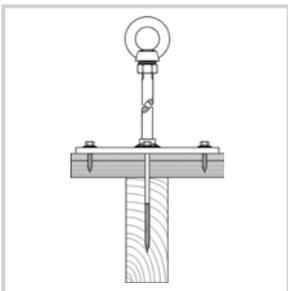
Clamped onto lightweight concrete, mounted from above



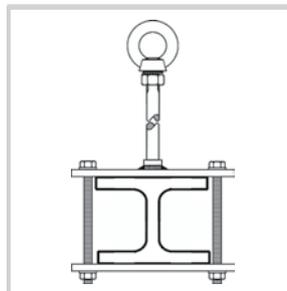
Screwed into wooden rafters (no base plate, with four screws)



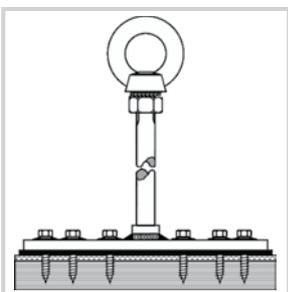
Doweled into reinforced concrete suspended ceilings



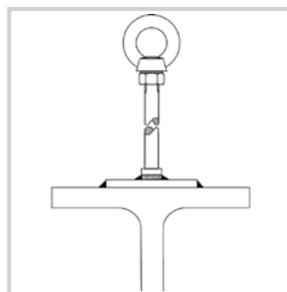
Screwed into wooden rafters with topside paneling (with eight short and two long screws)



Clamped around beams, steel girders, lightweight concrete



Screwed onto wooden paneling (base plate with 28 bores, not attached to the sub-structure)



Welded or bolted onto steel girders



Stainless Steel Anchorage Point for Aluminum Seam Rooves



The ABS-Lock® Falz I system was developed to provide a secure anchorage point for up to three individuals simultaneously. The anchorage point is designed for horizontal loads in all directions.

The system is licensed and CE-tested as a class A anchorage point in accordance with DIN EN 795. Being manufactured completely from rust-resistant steel it is protected from corrosion.

It can be mounted on nearly all common seam roof profile sheeting, regardless of the distance between the seams.



Implementation

The Lock Falz I has a wide, elongated eyelet. This allows three individuals to connect up simultaneously despite the fact that the anchorage point is so small.



The elongated eyelet is designed for all common carabiner hooks. The system is designed to protect up to three individuals simultaneously

against falls and is used on the rounded edge or clipped seam of seam profile sheeting made by Zambelli (RIB-ROOF 465), Corus Bausysteme (Kalzip), Domico (GBS), Rheinzink (Standard) and Aluform (Alufalz/Aludeck) and corresponding profile systems.

This is achieved by clamping the Lock Falz I to the roof profile seam using two cantilevered stainless steel plates. These plates are adjusted to fit the contours of the roof seam. Along the whole length of the top edge of the anchorage device there is an elongated slit to accommodate the connecting element.

The two plates are screwed together using two screws with self-locking nuts once they have been attached to the standing seam of the roofing.



Stainless Steel Anchorage Point for Metal Seam Rooves



The ABS-Lock® Falz II system was developed to provide a secure single anchorage point for up to three individuals simultaneously. The anchorage point is designed for horizontal loads in all directions. Furthermore, it was also designed as a support for class C cabling systems.

The system is licensed and CE-tested as a class A and C anchorage point in accordance with DIN EN 795. Being manufactured completely from rust-resistant steel it is protected from corrosion.

Freely adjustable seam clamps allow the system to be mounted on seam rooves with a seam distance of up to 620 mm.



Implementation

The Lock Falz II can also be used as an end or intermediate anchor for class C cabling systems, such as the Lock SYS system. When fitted with only two clamps Falz II can be used as an intermediate bracket, simplifying the installation of larger-scale cabling systems. The Falz II intermediate bracket is fitted with a glide-over cable supporting element in the Lock Sys II and IV systems.



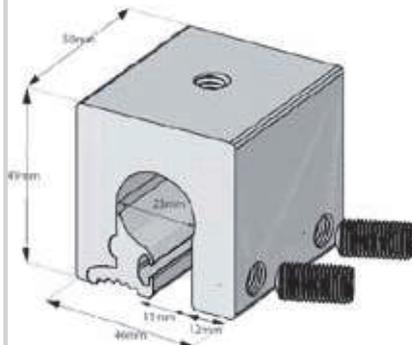
The system is designed to protect up to three individuals simultaneously against falls and is used on

the rounded edge or clipped seam of seam profile sheeting made by Zambelli (RIB-ROOF 465), Corus Bausysteme (KALZIP), Domico (GBS, can also be used for Domitec if special clamps are used), Interfalz (standard) and Aluform (Alufalz/Aludeck). Mounting is also possible on seam rooves made of aluminum, titanium zinc, copper, galvanized and corrosion-resistant steel.

This is achieved by clamping the Lock Falz II to the roof profile seam using four canted corrosion-resistant steel plate fittings. The plates are adjusted to fit the contours of the roof seam. The two plates are screwed together using two screws with self-locking nuts once they have been attached to the standing seam of the roofing. The clamps can be freely adjusted to fit the distance between the seams using the elongated slits.

Stainless Steel Anchorage Point for Rounded-Edge Seam Rooves

Mounting Principle



The ABS-Lock® Falz III was developed in accordance with DIN EN 795 to provide a secure and low-cost anchorage point for one individual on rounded-edge seam rooves without having to penetrate the roof and causing leaks.

The Lock Falz III is based on the Falz I which has been further developed to incorporate some excellent features. It is nearly invisible on the roof surface, making it “the architect’s best friend”. Being made of corrosion-proof material the anchorage point is guaranteed a long lease of life.



Implementation

The Lock Falz III is mounted using specially-designed clamps which match the contours of the rounded edges of the panels. As a result, this anchorage point can be mounted on Kalzip rounded-edge seam rooves or on other similar systems.

Assembling the Lock Falz III is extremely easy, saving you both time and money. The freely-rotating assembly bracket guarantees in the case of a fall that the ensuing force is optimally discharged through the roof construction.



The Lock Falz III has been tested and licensed as a class A and B anchorage point for implementation as an anchorage point for one individual.