

PFEIFER ISOFER



The ISOFIX system covers literally all kinds of processes from cliff-faces to hillsides. Due to its individual components being optimally adapted to each other the overall system offers effective protection against:

- Rock falls
- Landslides
- Embankment slippage
- Erosion
- Ice impact

The ISOFIX concept has established itself over many decades with many thousands of square metres of structures and is in use all-over the world.



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The proven ISOFIX concept

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The ISOFIX components



Ground anchor

The ISOFIX netting can be anchored into the ground using any commercially available rod anchors in any current sizes.



Spike plate

The net can be optimally stretched out on the ground using the ISOFIX spike plate, because the curved plate will prevent the mesh or the cable from going off-centre.



Wire mesh

An optional square-shaped or hexagonal wire mesh is used as a covering for lower loads or as an underlay for the ISOFIX netting.



ISOFIX netting

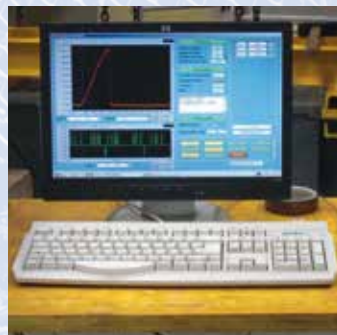
The ISOFIX netting is processed from strand of rope into a compact netting. All of the crossing points are mechanically fixed with a specially-developed clamp. The netting can be pre-tensioned for stability on the sliding surface thanks to the countersunk anchoring plates.

A strong net for greater safety



The ISOFIX covering has to give requisite support subject to differing angles of load. Tensile tests were carried out jointly with a National Research Institute to determine the load-bearing capacity in the vertical and horizontal direction.

The test clamping during the test was selected as per the actual anchoring conditions. The ISOFIX diagonal wire-rope mesh with a mesh of 200 mm and a 6 mm mesh rope achieved a load-bearing of 145 kN/m in both the lengthways and transverse directions.



Summary of the technical specifications

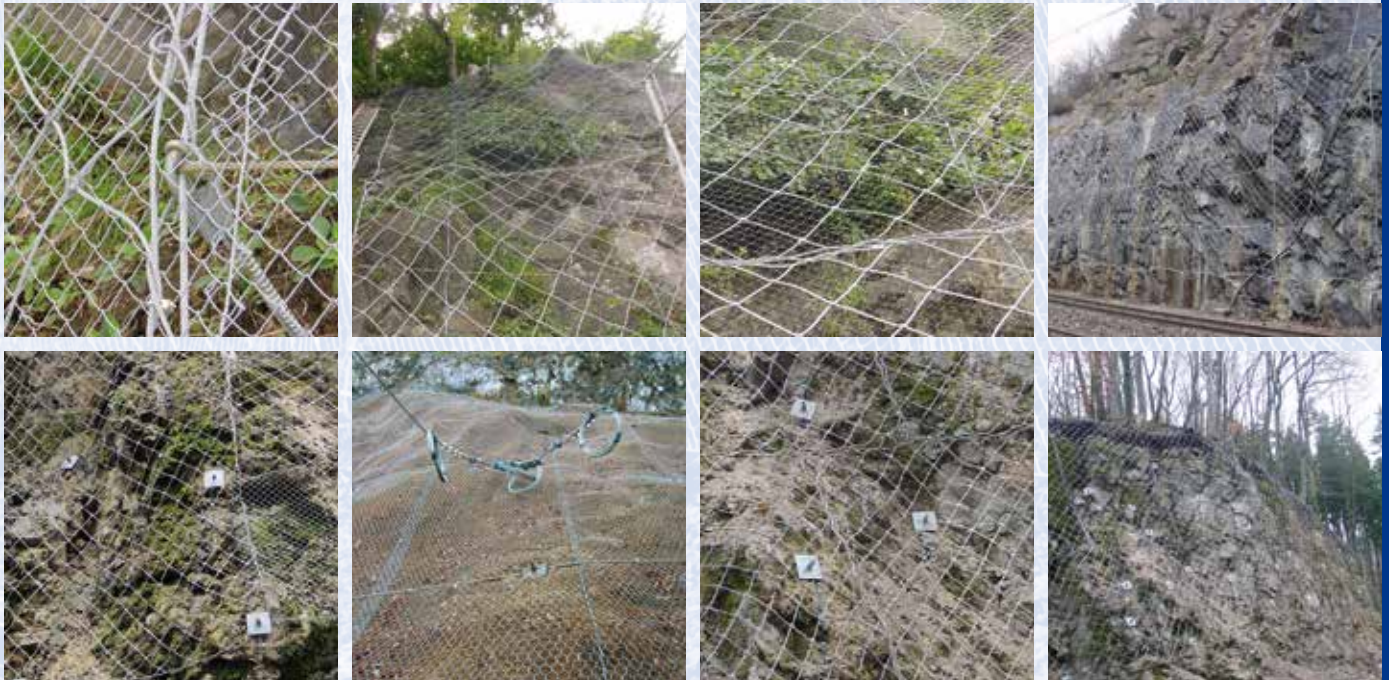
Mesh	
Mesh shape	rhomboid
Mesh size	200 x 200 mm
Mesh rope	
Rope diameter	6 mm
Rope strength	1 770 N/mm ²
Minimum breaking force	22,9 kN
Corrosion protection	Zinc coated (Cl. B) as per EN 10244-2 or (95 % Zn / 5 % Alu)
Netting resistance	
Resistance (lengthways)	145 kN/m
Resistance (transverse)	145 kN/m

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Get what you want with ISOFIX's many options

In line with varying circumstances the ISOFIX system offers a large number of options. Mesh size, roll size and corrosion protection can be varied. Large surface areas can be covered with a roll size of 5 x 20 m.

Examples of prevention methods



Netting roll options in summary

Netting roll	
Roll width	3–5 m
Roll length	10 m/12 m/15 m/20 m
Max. surface per roll	100 m ²
Weight per m ²	2,8 kg

**Please contact us for further information
and any questions!**