

Text for Invitation of Tender Avalanche Protection System TS-LV

General Information

Slope Inclination ψ [°]:	e.g. 35
Sliding coefficient N []:	e.g. 1.8
Coefficient of sea level f_c []:	e.g. 1.1
Nominal height D_k [m]:	e.g. 3.5
Total length [m]:	e.g. 250
Number of rows:	e.g. 5

The offered avalanche protection system must be designed according to the Swiss guideline “Richtlinie für den Lawinenverbau im Anbruchgebiet” (“Guideline for Avalanche Protection Systems in Crack Areas”).

Technical System Parameters

The design of main structures and of single components must be such as described below (or equal / better). Individual components not cited herein must correspond to the appropriate technical standards (e.g. DIN).

Interception structure

Type: **Omega-Net**
Corrosion protection: **Zinc coated class A acc. EN 10244-2**
Maximum mesh size: **135 mm**
Connection to bearing ropes: **threaded**

Support structure

- **Post:** Corrosion protection: **hot dip galvanized according to EN ISO 1461**
Design: **Pendulum support (hinge base plate)**
- **Base plate:** Corrosion protection: **hot dip galvanized according to EN ISO 1461**
Connection to underground: **anchored installation**

Connection components

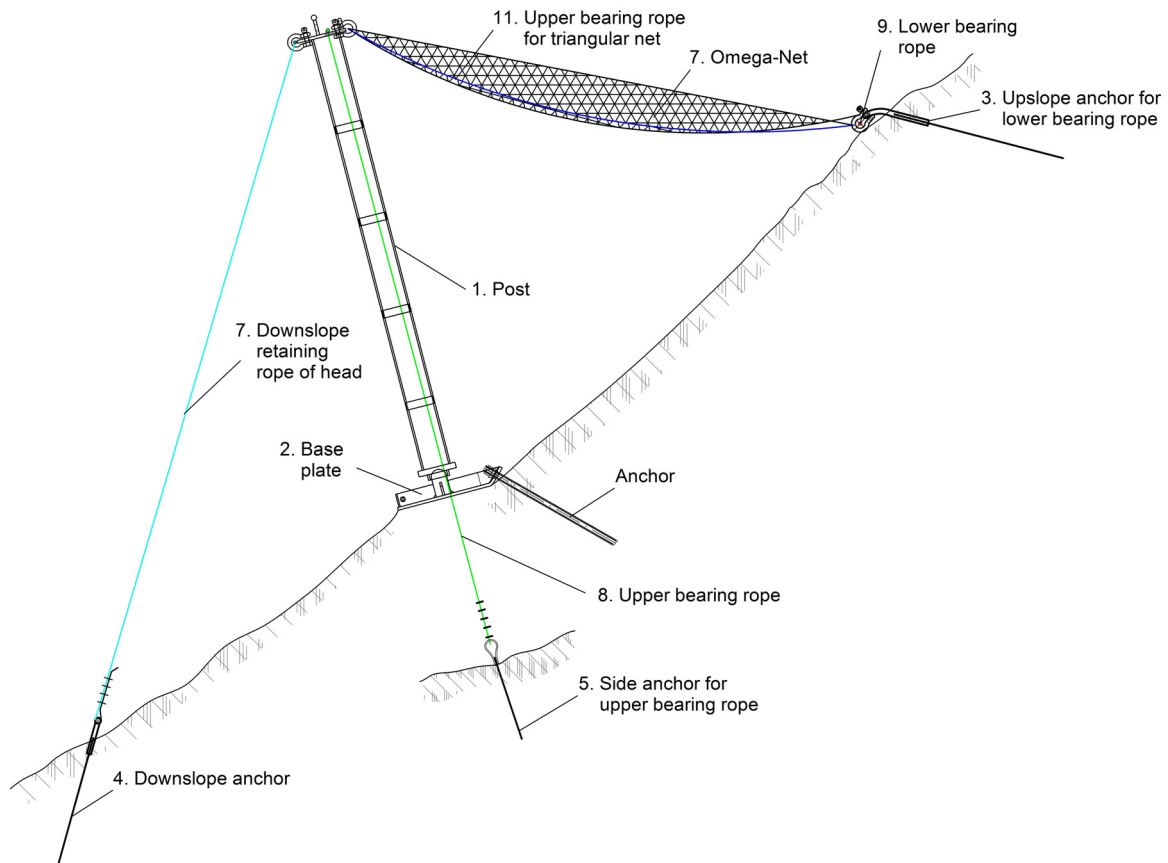
- **Bearing ropes:** Type: **according to EN 12385-4**
Corrosion protection: **hot dip galvanized**
- **Retaining ropes:** Type: **according to EN 12385-4**
Corrosion protection: **hot dip galvanized**

Anchoring

- of ropes:
- of posts:

using anchor bars and eyelet frames
using anchor bars (1 piece per base plate);

Lateral view TS-LV



Plan view TS-LV

