

Text for Invitation of Tender Snow Net Rake TS-SNR

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. 2.5 (max. 3.0 m)
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: **100 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

All rope-end-connections have to be installed by the use of thimbles, shackles and wire rope clips according to EN 13411-5.

The number of middle ropes (1 or 2) depends on static load.

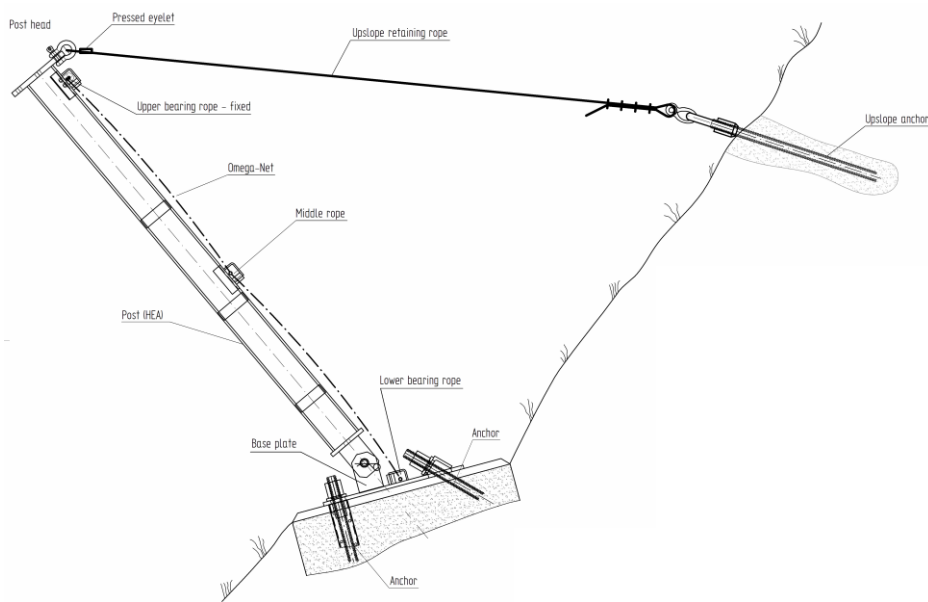
- **Bearing ropes:** Type: **according to EN 12385-4**
Corrosion protection: **hot dip galvanized**
- **Middle ropes:** Type: **according to EN 12385-4**

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

Anchoring

- of ropes: using anchor bars and eyelet frames
- of posts: using anchor bars (2 pieces per base plate)

Lateral view TS-SNR



Frontal view TS-SNR

