

**GODERDZI RESORTS**

# **SKI SLOPE SAFETY SYSTEMS**

Recommendations

In order to prevent hazardous accidents and ensure safety for skiers, 'GeoGraphic' has elaborated some recommendations on protection systems for ski slopes along the ski lift G01 at the resort Goderdzi.

These recommendations touch on main issues of protection barriers on ski pistes, in particular protection nets and mattresses. Protection nets are necessary to avoid skiers falling from height barriers on piste to off-piste edges and into ravines. Mattresses protect from dangerous collision with obstacles like ski lift support pylons, trees, walls and etc.

We recommend F.I.S. acknowledged products by the worlds leader company for ski slope equipment "*LISKI*". For details and descriptions please visit [www.liski.it](http://www.liski.it)

## Protection Nets

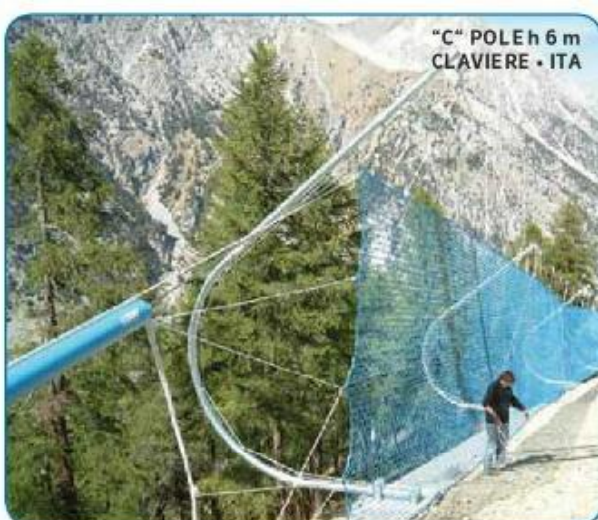
Protection nets are basically of two types: A and B. We predefined the locations for both types of nets on the pistes according to the topography, obstacles and possible dangers during skiing. Net locations are shown on the map attached at the end of this document.

### Type A

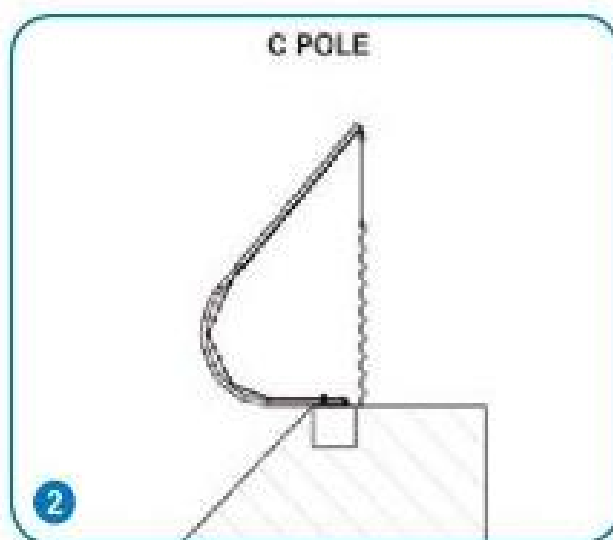
Type A nets are marked with blue color and they are designed to protect from falling down into ravines and from drastic height drops while skiing on higher speeds.

There are three sections for the type A net along the pistes. The upper part is 625 m; the middle part is 100 m. and the lower part is 225 m. long. In total 950 m. of type A net is needed for slopes on G01. The product code on the manufacturers website is 12061. Net size: 25 m x h 4 m - plait  $\varnothing$  5 mm - mesh 7x7 cm. The recommended net color is red, which is more visible by foggy weather conditions.

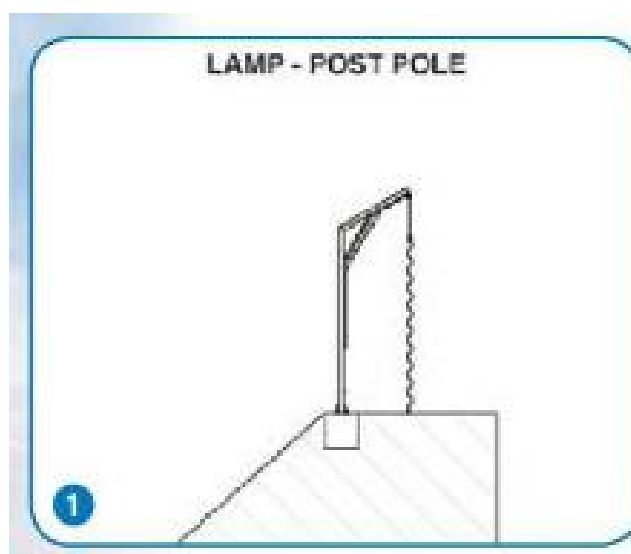
For pistes at Goderdzi, two kinds of support poles for the type A net are recommended: "C" and "Lamp-Post", which can be manufactured locally. There must be maximum 20 meters distance between poles. G01 pistes need in total 50 poles for type A nets.



Type A nets with support poles "C"



Type A nets with support poles "C"



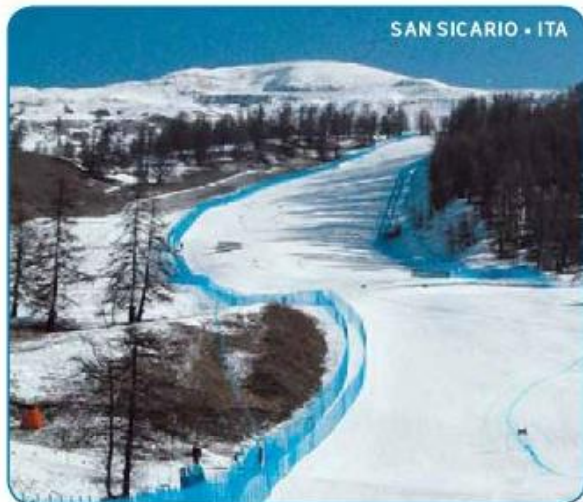
Type A nets with support poles "Lamp-Post"

## Type B

Type B nets are shown in red and protect from lower height drops on the edge of piste to off-piste, from tree lines, from structures close to pistes as ski lift stations or cafes and are aimed for skiing zones on lower speeds.

There are three sections for the type B net shown on the map. The upper part is 135 m. long, the middle and the lower part are both 90 m. each. In total 315 m. of type B net has to be installed on the G01 pistes. Product code: 12054G. Net size: 15 m x h 2 m - plait  $\varnothing$  3.5 mm - mesh 7x7 cm. The recommended net color is red, while it is more visible by foggy weather conditions.

For type B nets, we recommend the support poles with 3 hooks per pole and cross ferrule, which can easily penetrate hard snow by hand without tools and are easy to remove. The recommended color for poles is fluorescent yellow because of the better visibility by foggy weather conditions. Product code: 11746. Pole size:  $\varnothing$  48 mm x h 250 cm. Poles must be installed every 2 m. G01 pistes require 161 poles for type B nets.



Type B nets

Pole for net type B with hook and cross ferrule

## Protection Mattresses

In order to safeguard skiers against hazardous collisions with ski lift support towers, it is highly recommended to cover them with protection mattresses.

Pylons T2 and T3 can expose danger for off-piste skiers, while pylons T8, T9, T10 and T11 are located very close to the edges of pistes and are risky for safe skiing. All of these six pylons have to be covered with protection mattresses. 'GeoGraphic' recommends circular mattresses in orange color for their better visibility by foggy weather conditions. Product code: 12576. Size: height 200 cm x thickness 20 cm.

Circumferences and diameters of pylons including ladders are as follows: T2 - 3835; T3 - 4900 cm; T8 - 5100 cm; T9 - 5740 cm; T10 and T11 - 5320 cm. Diameters of circular mattresses for each pylon are shown in the table for ski slope safety items.

Note: Please direct the junction line of mattress edges downhill.



Circular mattresses

## Station Fence

It is recommended to fence both bottom and top ski lift stations in order to protect these areas from unauthorized entry all year round and from cattle in the summer period.

The fence line should follow the topography, its height can be up to 1.8 m. and the recommended material is wood and the structure as shown on the pictures. Drawings show the fence outlines and lengths in brown and black colors respectively.

