

“LISKI” BC-130 NET Protection System

1) INTRODUCTION

Liski, thanks to its fifty years experience in the agonistic and touristic ski field, is an Italian company active on the national and international market, with a full range of products for preparation of race slopes for alpine skiing, cross-country and snowboard, and also with signs systems and security equipment for every type of ski slope and ski resort.

Liski main priority is the research for high-performance and safe materials, thanks to lead technologies and collaboration with World Cup circuit teams and ski resort experts.

Starting from the beginning of its activity, the strict synergy between Universities and specialized Experimental Search Laboratories ensured the preparation of safety materials, that are subjected to the laboratory crash tests, along with the extensive testing on the field.

LISKI BC-130 NET is a safety net system conforms to FIS recommendation to use only in some areas where 2 meter high B-nets interfere with the visibility of TV and spectators. Liski is an official supplier of most important national ski team and also for very important ski events in the World like Olympic games and World championships.

Every years this system is installed in many ski resorts in the World, with continuous positive feedbacks from installation crews, race organizer committees, technical delegates, coaches, and everyone involved in making ski racing.

Design, manufacturing and assembly of LISKI B-NET system are made in Italy, synonymous of quality and professionalism; these systems are very easy and fast to use and to assemble; technical specifications, and fully documented testing reports can be requested to info@liski.it.

2) MATERIALS

NET

- Material: Polyethylene (PE).
- Dimensions: Length 15 m, height 1,30 m, plait Ø 3,5mm and mesh 50x50 mm.
- Properties: : high resistance to abrasion and atmospheric agents (including UV rays).

SUPPORT POLES

- Material: Polycarbonate (PC).
- Dimensions: Height 1,65 m and Ø 35 mm suggested by F.I.S.
- Quantity: variable from 16 to 9 poles per net, depending by the situations
- Properties: Atmospheric agents resistance (including UV rays)
Ease and speed in replacement.

HOOKS

- Material: Nylon (PA)
- Dimensions: Ø 35 mm
- Quantity: 2 hooks per support pole.
- Properties: Atmospheric agents resistance (including UV rays)
Ease and speed in replacement.



Warning: for safety reason, standing inside the track, support poles must be always behind the net

3) BEFORE USE

These installation guidelines apply exclusively to factory assembled integrated LISKI BC-130 NET systems. Use of individual components outside of factory assembled integrated LISKI BC-130 NET systems, and/or any substitution or modification of any components may cause serious injury or death.

Ski racing are potentially dangerous sports and the LISKI BC-130NET system must be installed in conformity with these installation guidelines. If installation is effected (in whole or in part) outside of installation guidelines, the efficacy of the LISKI BC-130 NET system may be seriously compromised. Any installation effected outside of recommended parameters should be recorded, detailed and be conducted under the supervision of a qualified authority.

The installation of LISKI BC-130 NET systems must only be carried out by personnel who have received and reviewed all of the information contained in the present document.

4) INSTALLATION

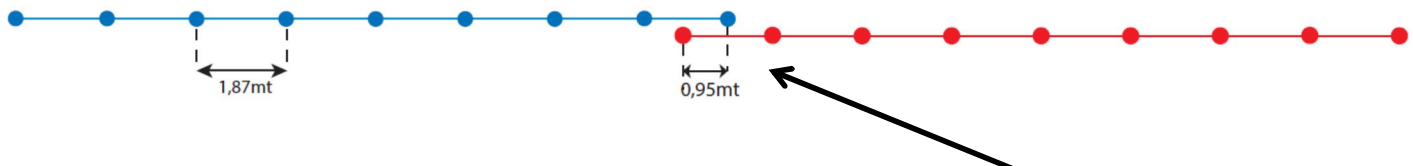
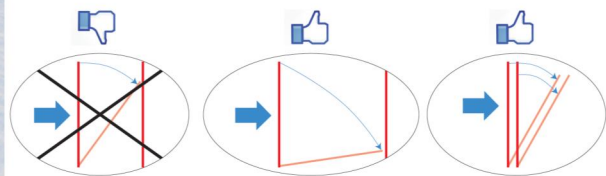
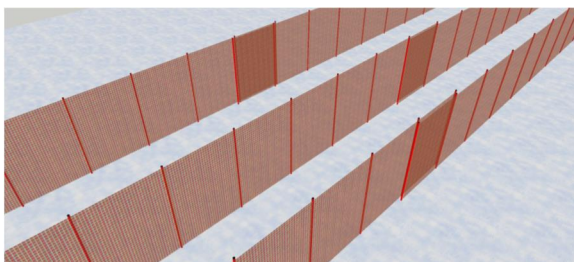
To put the poles into the snow, ice or ground, LISKI suggest to use a \varnothing 32 or 35 mm drill bit, depending on the snow conditions.

Assemble the protection system putting the net into the 2 pole hooks; the hooks should be all at the same height (1 at top, 1 at low of the pole), the lower hook should be forward down, the other one forward up.

The groups of net, all of the same kind, should be attached and the “uphill” group should surmount the “downhill” group, to avoid that the fallen skier can impact and pass through the only opening of the net, at the joint by two net groups; do not align joints of net sections in the same direction of impact of the skier.

The number of rows that must be placed depending by situation and by danger level, LISKI BC-130 NET can be placed in 1,2,3 or more rows; install the second row of net parallel to the first net, the distance between the two nets should be as described in the set-up model.

EXAMPLE OF “LISKI” BC-130 NET PROTECTION SYSTEM SET-UP MODEL



IMPACT DIRECTION

The “Uphill” group (red) should surmount at the “Downhill” one (blue) to avoid that the fallen skier can impact and pass through the only opening of the net, at the joint by two net groups.

EXAMPLE DESCRIPTION PROTECTION SYSTEM TYPE "BC-130"

Rows made with :

- nr. 2 or more groups of 15m x height 1,30 m of braided net, plait \varnothing 3,5mm and mesh 50x50mm
- nr. 18 polycarbonate poles \varnothing 35 x h 165cm, with 2 net hooks each at the top and low position;
(nr. 9 poles for each group)

Note: the quantity of poles per group may change to fit protection requirements. For example can be assembled rows with 16 poles into a 15mt net (distance between poles 1 m)

5) AFTER USE

The inspection of LISKI BC-130 NET systems must be carried out before and after each use by personnel who have received and reviewed all of the information contained in the present document.

Maintain an updated logbook of the frequency of use of this product.

After use remove snow/ice from nets and support poles, align net to be re-wound in a straight line, rotate the first support pole along the net to create a bundle and place the nets in the appropriate transport/storage cradles.

Nets should be stored clean, dry and out of direct sunlight, and away from extreme heat and in a well-ventilated warehouse. Nets should be kept off the floor and stored upright, on racks, to provide ventilation underneath. It is better to store the nets vertically to allow drainage and prevent contact of the fiber with the ground. Never store directly on a concrete, metal or dirt floor, and under no circumstances should nets and/or acid and/or alkalis be kept in the same building. Product life will be shortened by chemical and corrosive products or excessive temperatures.