

Monte Marengo, 22th March 2022To
Whom It May Concern**Subject: 802.100 "BACK-UP" and rescue**

Dear Customer,

Our BACK-UP was originally marked with the "no-2-persons" pictogram to indicate that one only BACK-UP shall NOT be used to protect two users at the same time, as required by PPE Regulation (EU) 2016/425 and technical standard EN353-2:2002. We confirm that statement to be true (see figure 1).

We have been asked by experts if the BACK-UP can be used in exceptional rescue situations (outside the scope of the references quoted above) by two persons simultaneously connected. For example a rescuer carrying an injured person, meaning that both are connected to a single BACK-UP (see figure 2).

We have performed several dynamic tests according to EN12841:2006, with a mass of 200kg, using as safety lines of nominal diameter 10mm and 11mm EN1891/A kernmantle ropes, and on the following systems:

- A. the BACK-UP and its connector (figure 3);
- B. the BACK-UP and its connector connected to a 40cm lanyard (figure 4);

The drop test was in fall factor 2; in case A the height is two times the length of the connector (ca 20cm of free fall); in case B the height is two times the length of the connector plus a 40cm lanyard (ca 100cm of free fall).

The above tests met the requirements.

Based on the positive results, we confirm that:

In the event of an emergency situation or improvised rescue, the BACK-UP is able to perform adequately with a connected mass weighting up to 200kg (ca two persons) in the systems described above.

The BACK-UP may only be used in this manner when the operation is performed by trained and experienced professionals, skilful in rescue techniques, and shall only be used to move to a safe location or while setting a suitable system.

As a reminder, any emergencies that could arise while using the device during normal work operations should be covered by an appropriate rescue plan

