



SELVADEK
emergency survival technologies

model
FREEDOM
inflatable snowshoes

SELVADEK is a project born of necessity and subsequently developed with great care and enthusiasm by our Research and Development team in collaboration with professionals in the field of mountain rescue and winter sports activities who dedicated their expertise and life experience to tests and improvements.

FREEDOM are extremely light and functional inflatable snowshoes designed to be always with you, when needed. This innovative product empowers you to bring mobility and safety "in your pocket" in various emergency situations.

FREEDOM inflatable snowshoes have significant advantages over conventional ones. They are much lighter and compact, ensure full contact with the terrain and, due to the ergonomic inflatable frame, they are much more flexible and floatable.

MAIN AREAS OF APPLICATION:

- *Military
- *Emergency & Rescue Services
- *Professional non-military market: Red Cross, Mountain Police, Border Patrols, etc.
- *Outdoor Technical Assistance & Maintenance
- *Consumer outdoor market, Sport & Leisure activities

SAFETY AND FUNCTIONALITY

FREEDOM's main concept is based on the idea of inflatable elliptical frame, functional design and high-tech materials. It's a versatile product with innovative design and practical functionality that delivers premium performance in the mixed terrains of the backcountry and is appropriate for moderate to strong steep slopes.

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SELVADEK inflatable snowshoes are an alternative to conventional snowshoes. The most optimal product is achieved with the following key characteristics:

LIGHTNESS: weight of 1 pair of snowshoes - 1150 gr.

DURABILITY: double-layer snowshoes

- TPU blade as inner part & Cordura and abrasive textile with TPU as outer part;

COMPACTNESS: size of 1 pair of snowshoes when deflated - 20 cm/10 cm/4 cm

FREEDOM guarantees a comfortable and safe experience even in the most demanding environment.

The elliptical inflatable shell allows direct contact of the shoes with the terrain provides maximum stability and reduces the risk of injuries.

FREEDOM provides great floatability and even weight distribution. The specific tubular section of the frame reduces the pressure and the incision in the snow. The traverse system consists of an open ellipse at the back which allows the inflatable frame to adapt to the slope for easier shoe traction uphill, excellent grip downhill and lateral control by punching the shoe in the field. The flexible frame follows the shape of the terrain, providing superb stability and complete safety in order to avoid sudden sliding.

FEATURES AND BENEFITS



ULTRALIGHT
Inflatable means light



COMPACT
Deflated occupy very little space and are easy to carry in mini bags



FLEXIBLE
Adapt to the terrain and minimize the risk of injuries



FLOATABLE
Specific inflatable frame enhances floatability



FIXED HEEL
Enables free and safe movement in all directions



DOWN HILL
Heel grinds into the terrain for additional safety of your downhill journey



DIRECT GRIP
Open elliptical shape provides full contact with the terrain and maximum stability



UNIVERSAL
Compatible with all types and sizes of shoes

MINI BAGS FOR SNOWSHOES

(1x32/12/10cm)

(1x12.60/ 4.72 /3.94 in)

Single bag or a pair, depending on the application



SUSPENSION SYSTEM



model **FREEDOM** inflatable snowshoes

WEIGHT AND DIMENSIONS

LARGE

L / M / H

57 / 30 / 10 cm

2 X 550 gr

MINI PUMP



REPAIR KIT



EMERGENCY
WHISTLE

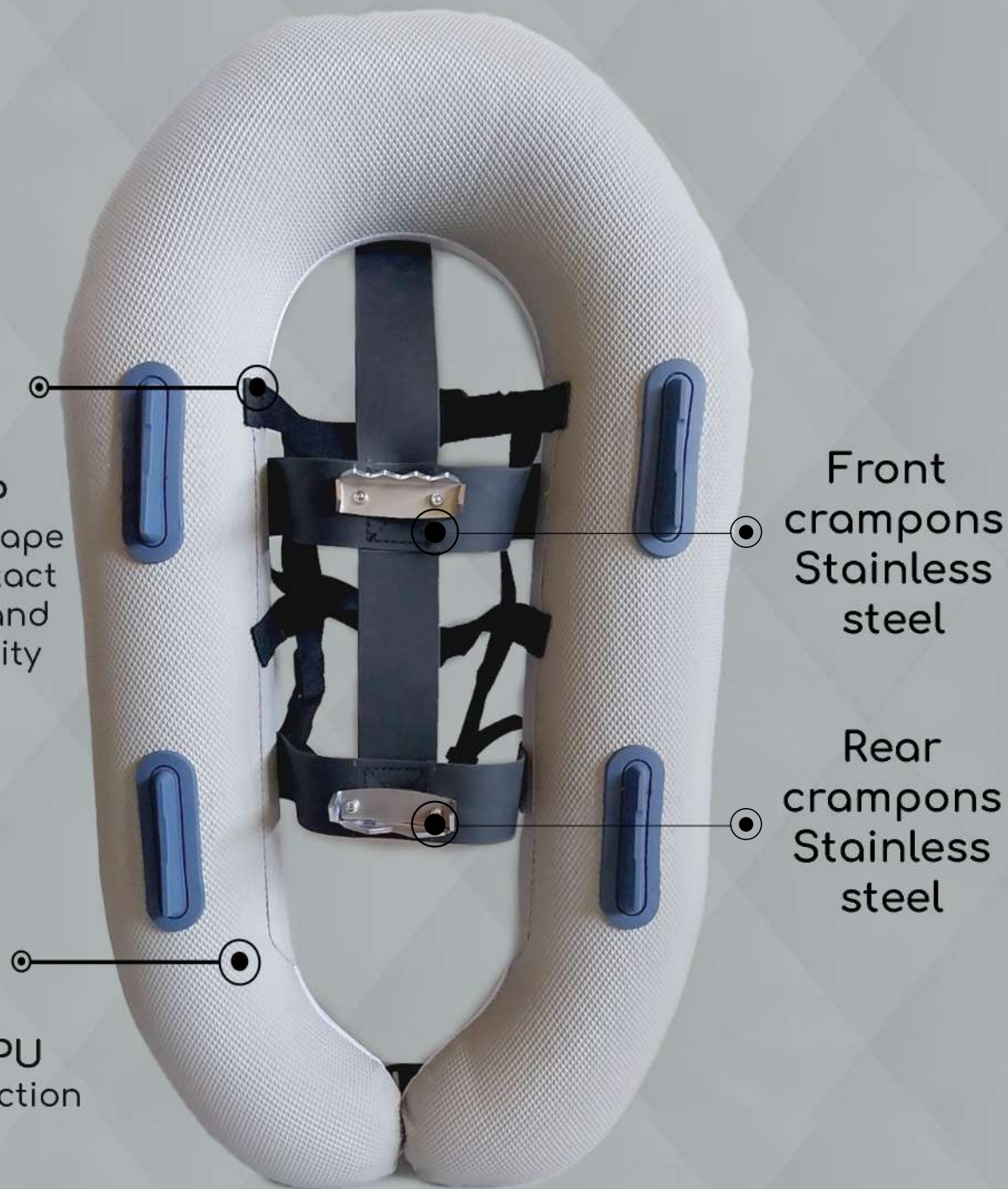


DIRECT GRIP

Open elliptical shape
provides full contact
with the terrain and
maximum stability



CORDURA & TPU
Double layer protection



Front
crampons
Stainless
steel

Rear
crampons
Stainless
steel

TECHNICAL DATA

Snowshoes size	Large
Shoes size (Men's)	EU 40 - 46 UK 6 - 12 US 7 - 13
Dimensions of inflated snowshoes, L/W/H	59/32/9 cm
Ellipse diameters (major axis / minor axis)	39 / 12 cm
Dimensions of deflated snowshoes packed in bags, L/W/H	1 x 32/12/10 cm or 2 x 24/12/10 cm
Weight	2 x 530 gr
Load capacity (gear incl.)	60-130 kg
Materials applied in production	Cordura, Duraflex, YKK, Vibram, and other durable certified fabrics, innovative materials and accessories
Grip system	Fixed or detachable front and rear stainless steel crampons of stainless steel with powder coating
Suspension system	Fixed Heel Down Hill
Operating temperature	+25 °C / -35 °C
Recommended storage temperature	+20 °C / 0 °C
Working pressure	4 atm

FREEDOM standard kit includes:

- Pair of snowshoes
- Pair of basic mini bags or a single mini bag
- Single inflation/deflation screw valve
- Repair kit (TPU sticker, TPU and Cordura patches, valve core and unwinding valve cap)

OPTIONS AND CUSTOMIZATION:

- Front and rear crampons
- Quick and easy CO2 inflation
- Vacuum packing
- Equipment at customer's request: fabrics, color, dimensions, shape, suspension system, mini bags, etc.

Materials

INSTRUCTIONS FOR USE

1. Take out the snowshoes from the bags. Unfold them. Take out the mini pump. Remove the valve cap, put the pump nozzle into the valve and then lift the pump's thumb.
2. Pump the snowshoes until they take shape and become hard enough. There should be no wrinkles in the Cordura fabric. This process takes from 1,5 to 2,5 minutes per snowshoe, depending on the ace of the inflation. The maximum pressure you can use is 0,4 atmospheres.
3. When you finish inflating, unscrew and remove the pump. Screw back the valve caps well to avoid the risk of deflating when walking with the snowshoes.
4. Put on the snowshoes and tighten them up by pulling the front webbing. The valves have to be on the outside.
5. After use, deflate the snowshoes with the special Deflation cap from your set. You will recognize it by the holes on it. First, unscrew the cap from the valve and then screw the Deflation cap all the way down. The air will start coming out automatically through the holes in the cap. Now you have your hands free to squeeze all the air from your snowshoes. Then unscrew the Deflation cap and screw back the metal valve cap. Fold the snowshoes in their compact mini bags.
6. Don't forget that before storing the snowshoes in the bags, you have to dry them well. Caution: do not dry directly on or near a radiator or other heater as it may damage the snowshoes and lead to rupture.
7. You can use impregnating spray on the snowshoes. We advice you not to use the snowshoes with gaiters with metal lacing D-rings as they may damage them.

THE PEOPLE WHO SUPPORT US



"I see a lot of potential in these survival specific emergency grabbag applications. I think they're perfect for anyone entering the wilderness in winter. They're tough, easy to use, float really well and pack away very small. I think these would be great in any survival situation."

John Hudson, Survival chief Instructor SERE,
Broadcaster, Writer, Public Speaker and Training Consultant



The guides from the Free Mountains Association liked the idea of pocket inflatable snowshoes from the very beginning. They are perfect for us as they can "sleep" on the bottom of the backpack until we need them."

Georgi Georgiev -Mountain guide, "FREE MOUNTAINS Association



"Once in soft snow the inflatable snowshoes feel remarkably good, and I soon forgot I was not wearing the conventional snowshoes I usually do. There is a slightly bouncy feeling about them which I liked, also the front does not get stuck in the snow, so that you have to pull your foot back, which is an occasional annoyance with rigid snowshoes."

Simon Beck, the most famous Snow Artist in the world



"The inflatable snowshoes are comfortable and stable when walking on snow, light, ergonomic and take little space. We highly recommend these snowshoes for rescue services and extreme situations in the winter."

Bulgarian Antarctic Institute

"SELVADEK innovative snowshoes are multifunctional, light and comfortable to carry - all of which is very important in extreme situations. They are very convenient for rescue operations especially for searching people in avalanches. As mentioned the key advantages of these inflatable snowshoes over the conventional models are: do not take much space, light for carrying, stable in deep snow."



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