



Nevo owner's manual

Icaro 2000 congratulates you on your purchase of **NEVO** (IC2023), a new helmet for high-performance sports. It was created to offer **enhanced standards of lightness, comfort and protection**. With a thicker inner liner of reduced weight, it provides a more progressive impact absorption, reducing shocks to the user's head. By means of the helmet's innovative design, the outer shell's larger size is attenuated by its racy lines that also ensure a modern and dynamic appearance. User comfort is ensured even in the hottest weather by means of **efficient ventilation**, in addition to the **inner cap in Shalimar, a high-tech material offering excellent performance**. The version with **carbon outer shell** further improves Nevo's low-weight characteristics, making the product ideal for even the most ambitious pilots and hikers. Characteristics that remain unchanged are the Italian design, the appealing style and colours, and the quality of a helmet made exclusively in Italy. We are sure that you will love your Nevo!

The principal objective of our helmets, **safety**, has been achieved without sacrificing comfort or aerodynamic performance, by virtue of the innovative technology that we have applied.

All new Icaro 2000 helmets are certified by CSI, obtaining **certification as free flight helmets for hang gliding and paragliding**, in accordance with the EU standard **EN 966:2012+A1:2012**, or as **water sports helmets** in accordance with the **EN 1385/2012** standard, or as **skiing and snowboarding helmets** in accordance with the **EN 1077:2007** standard.

Nevo IC2023 is an open face helmet, for protection from the intrinsic risks in HPG (hang gliding and paragliding), alpine ski & snowboard sports.

Icaro 2000 recommends the use of certified helmets only.

Our network of distributors worldwide ensures the availability of parts and service wherever you practice your sport.

This manual can be consulted online.

The user manual for the helmet you have purchased can also be viewed at this web address:

<https://www.icaro2000.com/Products/Helmets/Nevo/Nevo.htm>

Or you can scan the QR code on the sheet in the helmet box to access the helmet manual and other important information.

For further information or service, please consult your nearest Icaro 2000 retailer, or contact the company direct at:

Icaro 2000 srl

Via Vicolo Molino, 6
21014 Laveno Mombello - VA
ITALY

Phone: +39-0332-648-335

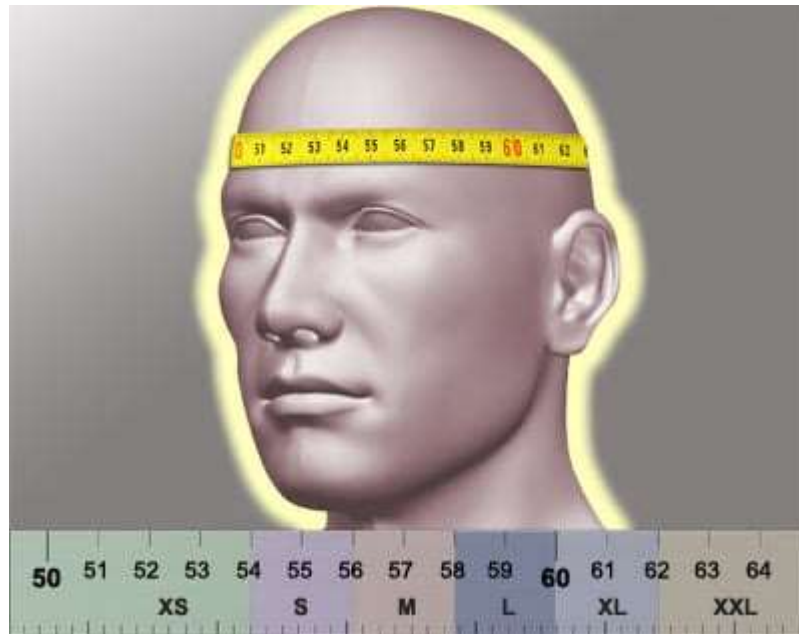
e-mail: staff@icaro2000.com

website: www.icaro2000.com

General information

Choosing and purchasing a helmet

When you purchase a helmet, the most important moment is choosing the **right size**. If you have never purchased a helmet, you probably don't know your own size. The size of a helmet is specified by the **inner circumference** of the internal padding. The size number therefore corresponds to the head circumference in centimetres.



Take your time when choosing a helmet. Try several, and follow these criteria:

Put the helmet on and fasten the strap:

- The helmet should not be so loose that it moves around, but neither so tight that you can feel a continuous pressure on your head
- A helmet that is too large may slide down and obstruct your eyes
- Try to pull it off, moving it back and forth: if it tends to slip off or move around, it is too large
- Lean your head forwards, grip the helmet's rear edge, and try to pull the helmet off. If the helmet slides off, it is not suitable for the shape of your head.
- For **Nevo**, there are **two versions** of the **inner impact liner**, a smaller version for sizes 54 - 59, and a larger version for sizes 60 - 62. It is important to choose the correct version. If you are in doubt whether to opt for the larger helmet with sizes 60-62, or the smaller helmet with sizes 54-59, we recommend choosing the larger version. The larger helmet can be adjusted using the rotary size regulator, or by adding thicker inner pads as described below, even if it initially feels too large. On the other hand, there is no way of adjusting the smaller size 59 helmet if it feels too tight.

If, while trying on the helmet, it does not perform satisfactorily for just one of these criteria, you should try another size or another model.

When compared with the jet, or open-face, helmet, a full-face helmet also guarantees protection for the chin area. Consider this carefully when you are choosing your helmet.

Never purchase a second-hand helmet, even if the price is attractive. There is no way of discerning its real conditions (whether it has been involved in an accident, etc.).

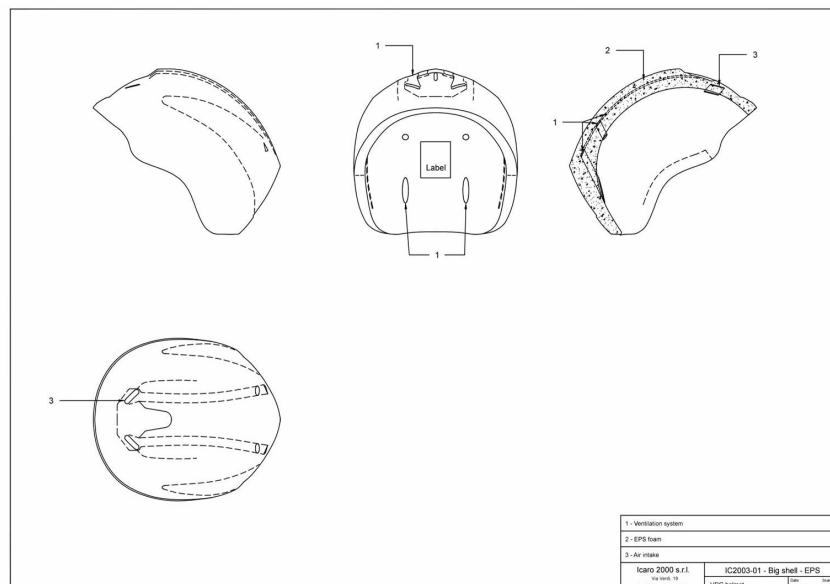
Structure of the Nevo helmet

Outer shell:

- Nevo is made with an outer shell in two versions. The ABS version is 2 mm thick and it provides **high perforation resistance, strength and elasticity**. The **carbon version** has the same characteristics, plus **remarkable lightness**.

Crushable foam inner shell:

- Nevo has an **inner polystyrene shell (EPS)** of increased thickness compared to all our previous helmets, in order to further enhance the **safety and protection** that it provides. **The smaller size**, having an even greater thickness, guarantees **optimal impact protection**. The EPS can be damaged even by a minimal impact, and in this case the helmet should be replaced. This is part of the helmet's intrinsic protective role. In fact, polystyrene is easily deformable, and in this context its function is to **absorb shock** by means of deformation and/or partial destruction. A more rigid material would not have the effect of dissipating impact energy, and so it would transmit all the shock energy to the head.



Comfort lining:

- **Nevo** has a comfort lining comprising a **cap** in the ultra-high-quality fabric **Shalimar**, which increases comfort by wicking perspiration away from the head and enabling it to evaporate rapidly, ensuring that the user stays cool and dry. Every Nevo helmet has a label that guarantees the use of this famous new textile, which is also soft to touch and so makes the product even more comfortable.



- **4 caps are available**, with size identified with a label:
 - for the smaller inner polystyrene (EPS) shell:
 - S = sizes 53 - 56
 - M = sizes 57 - 59
 - for the larger inner polystyrene (EPS) shell:
 - L = 60 - 61
 - XL = 62 - 63
- The cap is quick and easy to change to optimise fit. For each size, considerable adjustment is made possible by the **rotary size regulator** at the back of the helmet.



- The **new rotary size regulator** can be used to modify not only the helmet's internal circumference, but also its vertical position with respect to the nape of the neck. It is simple to adjust and the operation can be performed directly by the pilot, even while wearing the helmet. Comfort is ensured by padding on the size regulator's inner surface.



Vents:

Vents on the helmet's exterior guarantee **interior air flow**, with two channels between the outer shell and the polystyrene inner shell optimising comfort and temperature in flight.



Micrometric chin strap:

- The chin strap has a **rapid fastening system**, with a slider that is inserted into the buckle by pressing the red button, choosing the preferred position before releasing the button. The canvas part of the strap can also be **adjusted in length**, by sliding up the padding cover to expose the canvas strap and adjusting its length using the buckle. Then refold the strap loop, thread it into the rubber loop, and slide the padding back over the strap. This type of adjustment can also be used to adjust the angle of the chin strap by regulating the front and back straps on each side. The strap system is designed for controlled breakage in the case of impact.
- The chin strap is padded with a soft, comfortable lining.



Visor:

- For the Nevo helmet, the visor is an **optional accessory**. It is made in polycarbonate, with anti-scratch treatment.
- It is fitted with a rubber edge strip that seals the space between visor and outer shell, along most of the upper side.
- The visor should be replaced when vision is impeded by small scratches on the surface. **For helmets used for high-speed sports, wind tunnel tests have shown that a visor is essential for attaining the greatest possible aerodynamic efficiency.**

The visor increases active safety, providing better wind protection and increasing field of vision when compared to the use of sunglasses of any type.

- **Visor fixing system:**

The **visor fastening system** projects from the outer shell by less than 5 mm, and it has smooth edges, ensuring that paraglider lines cannot get caught on the helmet.

This feature is mandatory for EN 966 certification.

The system consists (on each side) of an aluminium disc, a screw, a Mylar washer and an O-ring inside the aluminium disc, which provides the friction necessary to adjust visor position continuously and smoothly.

When the visor is lifted completely, it is entirely outside the field of vision.



Ear covers:

- Nevo has removable ear covers. They are made with two layers: the semi-rigid outer layer guarantees improved protection, while the soft inner layer clads the ears and cheeks, providing comfort and adding stability to the whole helmet. The ear covers are easy to remove and replace (see below).

For optimum protection, we recommend always using the helmet with the **ear covers fitted**.



Elastic catch for ski goggles:

- At the back of Nevo in its ski version, there is an elastic strap fastener that prevents accidental loss of the ski goggles.

Technical specifications

- **Weight:**
 - Nevo helmet with ABS outer shell: 700 grams (for both EPS sizes)
 - Nevo helmet with Carbon outer shell: 600 grams (for both EPS sizes)
 - Visor: 93 grams.
- **Sizes:**
 - The Nevo helmet is available in **two inner EPS sizes**, with **four Shalimar caps**, ensuring a perfect fit for the head. The cap is quick and easy to change. If the helmet is not a perfect fit, we can send you a new cap free of charge, independently from where you bought the helmet. Another important benefit of this internal padding system is that you can easily remove the cap and replace it with a new one, or simply wash it.
 - Small inner EPS
 - Cap size Small, **S = 53 - 56**
 - Cap size Medium, **M = 57 - 59**
 - Large inner EPS
 - Cap size Large, **L = 60 - 61**
 - Cap Extra Large, **XL = 62 - 63**

Certification:

- Nevo was certified by the Italian organisation CSI.
 - The Nevo helmet was designed specifically for **hang glider, paraglider** and **microlight** pilots. It is made to be as light as possible, while optimising safety. For **free flight**, Nevo has **EN 966 certification**.
 - Nevo is suitable for **skiing and snowboarding**, as it also has **1077 certification**.

Using the helmet

Once you have **chosen** the most suitable helmet, make sure that you **wear it correctly**. For safety, it should always fit snugly, and the strap should be tightly fastened.

A helmet will never be able to guarantee total protection for the head when subjected to the forces produced by whatever type of impact. However this is no excuse to forego wearing a helmet. You should **always wear your helmet**, in order to exploit the protection that it provides, whatever impact may occur.

Four things that you should never forget

1. **Before using the helmet**, read all the instructions, and follow the suggestions carefully to ensure a correct fit.
2. **Do not use the helmet without fastening the strap**. An unfastened helmet will fall off during the first impact, leaving the head unprotected for successive impacts. There is also the risk of it falling off during use.
3. **Do not** fasten the helmet **using just the Velcro**. The Velcro that may be present on the strap serves purely to stop it flapping in the wind.
4. **To ensure maximum performance, never modify your helmet, whatever the circumstances.**

In case of accident

- If the accident happens to you:
 - The inner shell will be deformed – though the deformation may not be visible to the naked eye – because it has absorbed the impact.
 - **After an accident, even if the impact was minor, the helmet should be replaced, regardless of whether there is visible damage or not.**
- If you witness an accident:
 - Keep calm.
 - Report the accident immediately, if possible by phoning for an ambulance (dial 118 in Italy). Only medically-qualified personnel know exactly how to deal with injuries.

- Never move an injured person, unless this is absolutely essential because of a situation of greater danger.
If the spinal column is damaged, moving the injured person could harm the spinal cord, causing permanent paralysis.
- If the victim is wearing a helmet, do not remove it, but open the visor to facilitate breathing.
- Keep the victim calm, and, if possible, cover him or her. Shock provokes shivering and a sensation of cold.
- Do not give the victim alcoholic drinks.
- Stem the flow of blood from wounds, protecting your hands with gloves or similar, throwing them away later if they have been soiled with blood. Do not apply tourniquets: if you place a tourniquet in the wrong position, you could worsen the situation.
- Never put the victim into a private car. Wait for the ambulance. If the victim is conscious, talk to him or her and try to calm him or her down.

Helmet maintenance

The helmet protects your head, and so it should be **treated with care**.

The **visor** should be **changed** when it has **scratches** preventing satisfactory vision.

To prevent damage and incorrect assembly, request your dealer, or Icaro 2000 directly, to change your visor, or contact us for further information. (See contact details at the beginning of this manual).

The helmet can be **seriously damaged by**:

- Paints and varnish
- Petrol
- All types of chemical solvent
- Excessive heat (do not leave your helmet exposed to the sun)
- Inappropriate modifications

Scrupulously follow the instructions provided by the manufacturer.

If you think that the helmet that you have chosen is not right for the shape of your head, replace it... and this time choose more carefully!

A helmet does not have a fixed lifespan. However, it is a good rule to replace it after five years of normal use.

Important!

- **THE HELMET'S EXTERNAL SHELL SHOULD NEVER BE ALTERED IN ANY WAY.**
- **INTERNAL POLYSTYRENE PARTS SHOULD NEVER BE MODIFIED OR REMOVED.**
- **NEVER APPLY PETROL, DILUENTS, TOLUENE OR OTHER SOLVENTS OR CHEMICAL SUBSTANCES TO ANY PART OF THE HELMET.**

Personalisation

Removal and reassembly of internal padding

Important: do not use sharp or pointed tools such as screwdrivers, etc., in order to not to scratch or damage the helmet and its structural components

Nevo has a **comfort lining** that can be removed and re-installed in order to personalise the helmet's fit, or to wash the lining.



Nevo's comfort lining, comprising a cap in **Shalimar**, is fixed to the polystyrene inner shell by means of a series of Velcro strips. It is easy to remove. Just ensure that you **detach the Velcro strips by holding and pulling the strips themselves. Don't just pull the inner cap out from the helmet.**

Reassembly

To reassemble the lining, reverse the removal sequence, ensuring that the Shalimar cap is positioned centrally and symmetrically.

When you are sure that the cap is in the correct position inside the helmet, press firmly over the Velcro fastening strips in order to fasten the lining.

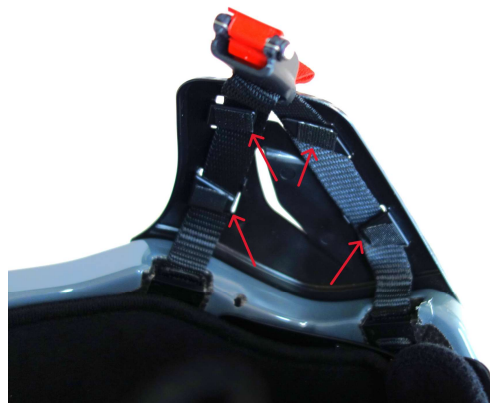
Ear covers

Nevo's ear covers have a **soft** inner part and a more rigid exterior section. They are easily removable and they are important for **enhancing the protection** offered by the helmet. **We recommend using them at all times.**

How to remove the ear covers

Removing the ear covers is a **quick and simple operation.**

- Place the helmet onto a table offering firm support
- Remove the soft inner section of the ear covers
- Remove the chinstrap webbing from the loops on the outer semi-rigid part





- Remove the 3 screws that hold the ear covers onto the outer shell.



To reassemble, follow the inverse procedure.

Visor installation and removal

The visor can be removed if it has to be cleaned thoroughly or replaced, or if you have purchased a new visor for your Nevo helmet.

Important: when fitting and removing the visor, be careful not to scratch the surface of the helmet or visor with a screwdriver or other sharp or abrasive objects.

Don't touch a mirror-finish visor with your hands, because it may be opacified by the acid contained in perspiration. Don't touch the inner surface of a visor with anti-fog coating (see below for more details).

Adding a visor to a Nevo helmet:

The visor is supplied with the two screws and separators needed for assembly.

Removal of the visor

- Place the helmet onto a table, ensuring that it is entirely stable, and lower the visor into its position of normal use.
- Unscrew the two lateral fixing screws. When the first screw has almost been completely unscrewed, be careful not to lose the rubber O-ring, positioned inside the aluminium, and the Mylar washers between the visor and the outer shell.
- If you decide to fly without a visor, remove all the elements that are not part of the outer shell, and cover the threaded bushes in the shell using the stickers provided.
- It may be necessary to periodically replace the rubber O-rings in order to guarantee the correct damping of visor closure

Fixing the visor to the helmet

On each side of the outer shell, there is a single hole with a threaded bush.

- Place the rubber O-ring into the circular housing on the aluminium washer.
- Then place the aluminium washer with the O-ring into one of the holes on the side of the visor.
- Insert the screw into the aluminium washer and then position the Mylar washer on the inside of the visor.
- Holding the washers and the screw in their correct position in the hole in the visor, position the screw into the threaded bush on the helmet, and screw it in using the appropriate hex key.
- Follow the same procedure for the other side of the helmet.

Cleaning

External shell

- Remove the visor, ear covers and other accessories. Use **only a damp microfibre cloth** for cleaning. If the external shell is soiled with mud, insects etc., soak a microfibre cloth with warm water, wring out excess water, place on the helmet and leave for a few minutes. This will loosen the grime. Use damp microfibre cloths to gently clean the helmet's outer surface. Dry with a dry microfibre cloth. **Do not use solvents, chemicals or petroleum-based products** which may cause damage to the helmet's structure.

Internal parts

Interior polystyrene

- Use **only a damp cloth**.
- Leave to **dry** at room temperature, protected from direct sunlight.

Comfort lining

- Hand-wash carefully, using just water at maximum 30° C and **neutral soap**.
- Rinse in cold water.
- Leave to **dry** at room temperature, protected from direct sunlight.

Care for visors with anti-fog coating

The **inner surface** of a **visor with anti-fog coating** is slightly sticky to touch, and this is normal, a characteristic of the anti-fog coating. The **coating should not be rubbed off** or treated with any solvent or other substances. Handle the helmet with care, and try not to touch the visor's inner surface. When you are not using your helmet, don't place sundry items such as gloves, radio etc. inside the helmet. Don't place the helmet on the ground in such a way that the visor could come into contact with dusty surfaces, grass or other plants. When you are not using the helmet, store it in the helmet bag provided.

How to clean a visor with anti-fog coating

Do not attempt to clean the inner surface of the visor by rubbing with any type of cloth.

Remove the visor from the helmet as described above. Prepare a **basin of warm water** with **one drop of**

washing up liquid mixed into it. Holding the visor by its edges, place it into the water and move it about gently for less than one minute. Remove from the water, place on a surface and leave it to air-dry. **Do not use a cloth or towel to wipe the inside of the visor.** Once the visor is dry, its **outer surface** can be wiped with a dry microfibre cloth. Never wipe the inner surface. No sprays, chemicals or liquids should be used.

Important information

If you are used to using just sunglasses for your sporting activities, or even no eye protection at all, **it may take a few sessions to get accustomed to the visor.** If you don't feel comfortable with the visor to start with, just lower and raise the visor during your first excursions with the helmet until you get used to it.

In conditions of high humidity and/or large temperature variations, the visor may fog. On such occasions you will immediately appreciate the difference between using sunglasses and a visor: in the latter case, you just have to open the visor slightly to obtain the complete clearance of any fogging.

A helmet with a visor produces a different air sound, and, in the case of flying, it makes it easier to hear your flight instrument.

If you rotate your head, the detachment of the airflow from the visor could give rise to anomalous sounds (the so-called jet effect), which disappear immediately after you have returned to the normal head position.

- **Never practise your sports activities without a helmet**
 - Your life is too precious to risk losing it just because you have forgotten something.
- **Use only certified helmets**
 - The IC2003-01 helmet is made in accordance with the regulations contained in the (UE) 2016/425 and it is certified in accordance with EU standards EN 966:2012+A1:2012 and/or EN 1077:2007.
 - Never trust a helmet that has no label guaranteeing these standards.
- **Helmet classes**
 - Class A and class B helmets are for alpine skiers, snowboarders and similar groups. Class A helmets offer comparatively more protection. Class B helmets may offer greater ventilation and better hearing, but protect a smaller area of the head and give a lesser degree of protection from penetration.
- **We recommend the use of a full-face helmet**
 - A full-face helmet offers improved protection in every situation.
- **Never modify your helmet for whatever reason**
 - Modifications could reduce the level of protection, and could annul the helmet's certification.
- **Never use headphones under the helmet**
 - Any rigid components placed inside the helmet, between polystyrene lining and the head, could become percussive and damaging elements.
- **Always ensure that the chin strap is tightly fastened.**
 - An unfastened helmet will fall off during the first impact, leaving the head without any protection against successive impacts. There is also the risk of it falling off while using it.
- **Transportation**
 - During transportation, keep your helmet in the protective bag supplied
 - If you put your helmet into your backpack, don't sit on it.
 - Ensure that the helmet never falls onto the ground or floor.
 - Handle the helmet and visor (if present) with great care at all times.
- **In case of accident**
 - After an accident, even when the impact is minimal, the helmet should be replaced, regardless of whether there is any visible damage or not.

- **Helmets and action cameras**

Many sports enthusiasts fit an action camera onto their helmets in order to record their adventures. It is important to remember that **any object projecting for more than 5 mm above the level of the outer shell annuls the helmet's certification**, just as for any other modification that is not specified in the user manual. The reason for this is that an object mounted onto the external shell could become a percussive element that concentrates a percussive force onto a small area. Therefore, it is potentially dangerous and reduces the level of protection that the helmet can provide. Considering that even the most compact action camera projects at least 30/40 mm from the helmet's outer shell, there is no doubt that a helmet equipped with this sort of device can no longer be considered as compliant with its respective certification. For this reason, because we at **Icaro2000** wish to offer the highest possible level of protection for our customers, we recommend **not fitting action cameras** or other devices onto the outer shell of a helmet.

Icaro 2000 wishes you happy and safe sport.