

PROTOS INTEGRAL ARBORIST



PROTOS (translated from ancient Greek)

THE FIRST

8x MORE SAFETY

More safety, than required by EN 397!

- ★ **Greater field of view** compared to all tested helmets on the market. Offers maximum sight.
- ★ The **neck protector** guards the back of the head from impacts when falling and minimizes the danger of basal skull fractures.
- ★ The sporty 2 colour combination has 35 % more visible surface. The highly **increased visibility** gives the wearer a great advantage in situations where they might be hard to spot (foliage, coniferous woodland, blinding sunlight etc. - no matter what season).
- ★ Due to the **special cashioning construction** (3-point mounting and anti-shock pads) of the interior shell impacts are effectively absorbed and not transferred to the head, respectively the spine.
- ★ With the first-time certification with EN 397 and EN 12492 standards the protective helmet Protos not only protects from **vertical** but also from **horizontal impacts**. This results in an innovative „all round protection“.
- ★ Due to the elaborate **interior shell** the helmet fits perfectly. In case of an impact the energy is diffused on a large area and absorbed evenly.
- ★ As the ear protection is always put on, it serves as **additional shock protection**.
- ★ The **safety ventilation slit** offers high safety exactly where it is needed. Horizontal and vertical impacts are absorbed by the additional shell before the energy affects the main helmet.



One helmet for any challenge

Due to the EN397 and EN 12492 certification the „Protos Integral System“ may be used for forestry, arboriculture or climbing activities within minutes. Chin strap, visor, neck protector, ear protection – everything is integrated and modular at the same time. The word „integral“ is what makes the Protos Integral so unique. We succeeded in integrating all crucial parts in the helmet shell. This way you cannot get caught on twigs, brushwood or other obstacles. Also for the industrial area we realized an integrated solution, more information about this can be found on pages 12-15. At the moment, we're working hard to enhance the Protos Integral with radio equipment. The Protos ear protection fork offers a flexible interface for developing a receptacle for various radio communication sets.

8x MORE COMFORT



- ★ Due to the **integrated ear protection** there are no prominent parts with which you could get caught on branches and such. The adjustable contact pressure of the ear protectors allows optimal customization.
- ★ 2 great advantages of the **integrated facial protection**: You can work without getting caught on twigs or thorns while having an incredible field of view.
- ★ Correct fit on the head due to the prolonged, adjustable **neck bowl**. This way the helmet offers perfect fit even without chin guard.
- ★ The special construction guarantees **active ventilation** (air may flow in from all sides and exhaust through the ventilation channels on top). The ventilation channels may be closed or opened with a push lever. This way you can adjust the helmet to warm, cold or wet conditions.
- ★ So that the chin guard does not slip under the ear protector we attached a **special rail** to it. Wearing comfort and noise damping are ensured.
- ★ Extraordinary sweat transport due to large contact pads with **Klima-AIR technology**.
- ★ Our **patented size adjustment** makes the helmet easy to put on or off by activating or deactivating the neck part. Once you adjusted its size, you will not have to adjust it again.
- ★ All functions are operable with only **2 fingers**. Also the ear protection which can be deactivated by pushing it in its integrated garage under the outer helmet shell.

Sustainability

When it comes to ecological footprints people tend to start debating excessively. But not with Pfanner and Protos! We have one clear definition: every single component, no matter how small, must originate from local sources and must keep the transportation routes as short as possible. In the case of Protos this means: all parts are developed and produced in either Switzerland, Germany or Austria. The final assembly takes place at the head office of the Protos GmbH, right next to the warehouses of Protos and Pfanner. Our assembly professionals are locals, too. This way we can assure absolutely first-class finishing quality. But not only our materials and experts are from around here – but also the Know-How. Due to the central position of Vorarlberg in the border triangle of Germany, Austria and Switzerland, we can easily include many different professionals and experts in bringing every single component to perfection.

Protos Integral Forest (EN 397/EN 352-3/EN 1731)



**Protos Integral Forest
red/yellow**

Order number: 204000-10-12



**Protos Integral Forest
red/grey**

Order number: 204000-10-13



**Protos Integral Forest
orange/grey**

Order number: 204000-10-63



**Protos Integral Forest
orange/yellow**

Order number: 204000-10-62

Accessories



Klima-AIR headband

Headband made of Cocona functional fibres for high wearing comfort and quick drying. With rail to clip-on. Machine washable at 30°C.

Order number: 204061



Klima-AIR Set

A set for changing the pads of the protective helmet Protos Integral. Made of high-quality Cocona functional fibres. Machine washable at 30°C.

Order number: 204060



Hygiene set for ear protectors

Spare pads for the Protos ear protection, easily equipped by clipping-on (e.g. in case of heavy stains)

Order number: 204062



Protos chin guard EN 397

To clip onto the Protos Integral. Contact pressure and ear position are adjustable. SNR = 26 dB

Order number: 204067

Protos Integral Arborist (EN 12492/EN 352-3/EN 1731)



Protos Integral Arborist red/yellow

Order number: 205000-10-12



Protos Integral Arborist red/grey

Order number: 205000-10-13



Protos Integral Arborist orange/grey

Order number: 205000-10-63



Protos Integral Arborist orange/yellow

Order number: 205000-10-62

Accessories



Protos Visor F39

Facial protective visor with 39 notches / cm² for better view and protection from sawdust (e.g. beech, oak). With a special coating against light reflections and freezing over at temperatures below 0°C.

Order number: 204063



Protos Visor G16

Facial protective visor with 16 notches / cm². Due to its special coating reflections of sunlight and freezing over at temperatures below 0°C are averted.

Order number: 204064



Protos chin guard
EN 12492 (Arborist) and EN 471 (Forest)

Chin guard for the forest and climbing helmet.

Order number: 204042
Arborist Order number: 204068
Forest

Available from Autumn 2012!



Protos neck protector

Clip-on neck protector against dirt and rain. Made of 3 layers of high-quality SympaTex functional fabric

Order number: 204065