



**MANUAL 2023 - 2024**





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version of this handbook*

***At SIP Protection, our passion has led us to develop protective clothing for forestry and arboriculture. As arborists and foresters are close to nature, our products and developments are too. It's in our company DNA to innovate and we're doing so to protect our clients and to preserve the environment.***

### ***Your protection is our passion***

Our sustainability efforts are in both small and larger measures, from removing promotional hangtags to developing and producing fully recyclable chainsaw trousers. We will never stop innovating, and we will keep on developing responsibly, both socially and environmentally.

***This new catalogue introduces some new products and we're really proud to announce our Green Rhino label and the sustainable developments we are working on.***

We're looking forward to sharing our latest developments with you and to receiving your feedback. We hope that this manual will help you answer all questions regarding chainsaw protective clothing, not just which SIP Protection trousers you can suggest to your clients, but also which chain speed class is advisable, which product range would suit your customer, which type of chainsaw trousers could be fitting, etc.

Kind regards,

***The SIP Protection Team***



**4**  
*New products  
in the spotlight*



**6**  
*Find the right range*



**8**  
*Find the right style*



**10**  
*Find the right chain  
speed class*



**13**  
*Green Rhino*



**21**  
*Innovation range*



**35**  
*Progress range*



**51**  
*EVO range*



**58**  
*Flex range*



**70**  
*Basepro range*



**94**  
*Outdoor range*



**124**  
*Head to toe*



**149**  
*Special  
applications*



**163**  
*Accessories*



**177**  
*Technical*



**199**  
*About us*

A photograph of a forest scene. A large, dark tree trunk stands prominently on the right side. In the lower right, a person wearing a bright orange safety suit and a yellow helmet is standing near the base of the tree. The background is filled with lush green trees and foliage. The text "New products in the spotlight" is overlaid in white, bold font across the center of the image.

# New products in the spotlight



### Canopy AIR-GO

The Canopy AIR-GO strives to be the most comfortable, lightweight and ventilated chainsaw trousers that were ever developed.

see page 25



### Canopy AIR-GO Donna

These trousers resemble our Canopy AIR-GO but are especially designed for female tree climbers and are fitted to the female shape.

see page 27



### Forest Pro

This working jacket is fully stretchable with reinforced shoulders. It meets the demands of both forestry workers and arborists.

see page 47



### Forest Pro-protect

The Forest Pro-protect jacket is the ideal 2-in-1 protective solution for arborists working on a servicing platform.

see page 49



### Ninja

The Ninja trousers offer excellent comfort and moving ability, combined with a refreshing and new design.

see page 54



### T-Flex

If you need chainsaw trousers with calf protection, here's the T-Flex, the full calf wrap version of our Reflex trousers.

see page 67



### Tracker Defense

The boar protection is developed to first absorb the impact of a raging wild boar and to minimise risks of tusk penetration.

see page 105



### UP

This sustainable, fashionable and colourful belt is made from upcycled climbing ropes.

see page 172

# Find the right range

*SIP Protection offers five ranges of chainsaw protective clothing, each with its specific features, fabrics and usage.*



## **INNOVATION RANGE**

*The perfect balance between weight, strength, and resistance resulting in the ultimate comfort for the professional user.*

The name 'Innovation range' says it all. The latest innovations are added to this range. With this range, we introduced the lightweight Dyneema-based blocking material, mesh fabric ventilation, super lightweight Pezatec, and many more innovations are yet to come.

In fact, this range provides an answer to all three common issues when operating a chainsaw: heat, ventilation and weight.

[see page 21](#)



## **PROGRESS RANGE**

*A high-quality range of stretchable and highly durable chainsaw protective clothing.*

The Progress range is perfect if you are looking for rugged long-lasting trousers with state-of-the-art features and if you are willing to pay for the range's durable properties.

[see page 35](#)







## **EVO RANGE**

***A mid-range collection in a modern design that provides high-quality comfort and flexibility at a competitive price.***

The EVO range fills the gap between the BasePro and Flex ranges on the one hand and the Innovation and Progress ranges on the other. It combines high-quality protection and excellent comfort with flexibility, lightness, and a modern design. In addition, the products are moderately priced.

The EVO range's flexibility can be attributed to its 4-way stretch outer fabrics, while its chainsaw protection is made possible by a 6-layer blocking material.

[see page 51](#)



## **FLEX RANGE**

***Stretch chainsaw protective clothing for the price-conscious user.***

Go for the Flex range if you are looking for trousers that are still affordable and for the extra comfort the stretchable fabric provides.

The range's ReFlex chainsaw trousers even have more technical features, such as ventilation zippers at the back of the leg, and zipped pockets. Your washing machine will thank you for preventing the sawdust from entering.

[see page 58](#)



## **BASEPRO RANGE**

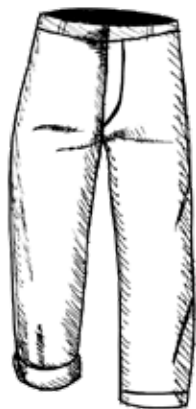
***Basic range of modern regular and hi-vis chainsaw protective clothing.***

If you're looking for entry-price, basic trousers that have all the necessary features, that are comfortable, and of good quality, the BasePro range is what you are looking for.

[see page 70](#)

# Find the right style

*Now that you have figured out which SIP Protection range perfectly fits your client's requirements, let's have a look at the possibilities in styles.*



## Trousers

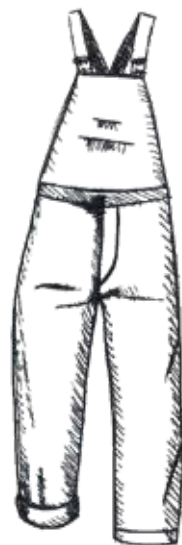
We can confidently say that **trousers are by far the best-sold style** when it comes to chainsaw leg protection. As SIP Protection originally started as a trousers manufacturer, we have always had a good feeling with this style.

Combined with trousers, it's best to add **braces** (suspenders) or a belt. Why? Well, even the lightest chainsaw trousers can't fight gravity. It's not only about the look of it. It's also about safety.

### *It's always about safety!*

If trousers are worn lower than recommended, even a couple of centimetres, the trousers' crotch is no longer in the right place, meaning that when you take a bigger step, there is more stress on the stitches. This can cause the crotch and/or zipper to break.

Therefore, we strongly recommend wearing braces or at least a belt. A belt will also have the tendency to slide to a lower point, not doing the task it was meant for. So, it's best to combine trousers with braces.



## Bib and braces

Chainsaw bib and braces had an important role on the market for a long time, as customers in some countries such as the Netherlands, Germany and Italy have a special relationship with bib and braces, but this is changing.

### *In the past, not all trousers were as comfortable as they are now.*

Bib and braces were a good comfortable alternative, as they offer a **baggy fit**. Bib and braces also prevent sawdust from entering from the hips, which is why people like(d) to use it.



## Chaps and leggings

Chainsaw leggings have a **fully closed back that can be opened with a top-to-bottom zipper** at the back of the leg.

Chaps, on the other hand, have an **open back with buckles that can be adjusted**. Chaps are the new Design B in the **EN ISO 11393** standard. Even though chaps are commonly used in some parts of the world, f.ex. the USA, according to the EN standards, both chaps and leggings are meant for occasional users, according to the standard.





# Find the right chain speed class

*When it comes to choosing adequate chainsaw protection, it's important to know which protection class you need. It's not always clear, as it depends on rules and agreements that might differ in different countries. Let's have a look.*

## *Chain speeds in EN ISO 11393 and EN 381*

Both the most recent European standard for protection against hand-held chainsaws **EN 11393** and the older **EN 381** describe four classes that correspond to the chain speed with which the tests have been done.

*The four chain speed classes are:*

**CLASS 0 \***  
16 m/s

\* not allowed for chainsaw trousers

**CLASS 1**  
20 m/s

**CLASS 2**  
24 m/s

**CLASS 3**  
28 m/s

*Your client's chainsaw protection should be adapted to the maximum chain speed of the chainsaw you're using.*

Sounds easy, but often determining the chain speed class isn't that straightforward.

## *A risk analysis is key to determine your actual chain speed*

An employer is not required to provide the highest level of protection solely based on the chainsaw speed. He is, however, obliged to do a **risk analysis** and to use that analysis to select adapted and adequate protection.

The chainsaw's speed is just **one of the test method's elements**. We should also keep in mind the angle, the type of chain, sharpening of the chain, whether the sprocket has been adjusted, the weather circumstances, etc.

For example, when it's more than 40°C outside, it might be safer to wear chainsaw trousers in a lower class to **prevent accidents** caused by loss of concentration due to heat stress.

In addition, it's also very important to know which chain speed you should look at in your chainsaw manual.

## Roadmap:

### → How to calculate the PPE class

- To find out the chainsaw's **actual chain speed**, have a look at **the machine's manual**.
- In the manual you will see 2 chain speeds.
- One that corresponds to the **EN ISO 11681** standard, which describes the requirements for portable chainsaws and which is the nominal speed plus 33%.
- The other one is the actual rated speed.  
**It's this one you need!**
- If you are unsure, please contact the chainsaw manufacturer or dealer.



### An example to clarify the roadmap:

| Type of material | Brand | Model   | Chain speed (as indicated by manufacturer)                                |          | PPE class                |
|------------------|-------|---------|---|----------|--------------------------|
| Chainsaw         | Stihl | MS 211C | Max. chain speed<br>(Increased with with 33% according to ISO 11681)      | 24.8 m/s | Not applicable           |
|                  |       |         | Real chain speed<br>(Rated speed according to ISO 11681 and EN ISO 11393) | 18.6 m/s | <b>CLASS 1</b><br>20 m/s |



Now that you have figured out which class you need, use our product filters on [sip-protection.com](https://sip-protection.com) to find your chainsaw protection.

**Active filter** x

Class 1 - 20m/s

---

Productclass "group" v

---

Range v

---

Norm context v


---

Chainsaw speed v

Class 1 - 20m/s (3)

Class 2 - 24m/s (4)


Class 3 - 28m/s (2)



1SBD - INNOVATION

**Canopy AIR-GO**


Chainsaw trousers, class 1 type A



1SRL - PROGRESS

**Samourai**

Chainsaw trousers, class 1 type A



1XRP - FLEX

**ReFlex**

Chainsaw trousers, class 1 type A



*We have adapted a proactive environmental policy, both in production and our products.*

## **What's Green Rhino?**

We are going beyond our sustainable initiatives that already make a difference. We are now also focusing on developing sustainable alternatives for our SIP Protection protective clothing. Green Rhino is our SIP Protection sustainable label. We're looking forward to telling you all about it.

***We'll keep you updated through our website, newsletters and social media.***

***Throughout the past years, we have made many adaptations towards a more sustainable environment. Not only as a brand, but also as part of the Sioen group.***



*You can read more about these initiatives on [csr.sioen.com](https://csr.sioen.com)*





# Sustainability of chainsaw protective clothing

**A** while ago, we found some comments on a forum for arborists and foresters on how producers of chainsaw protective clothing don't seem to pay attention or only pay little attention to sustainable production. It's obvious that we aim to offer our customers and SIP Protection wearers the products they desire. We definitely take those comments into consideration, but safety will always remain our first priority.

When it comes to the sustainability of chainsaw protective clothing, there are a number of factors we have to keep in mind, such as fabric selection, the lifespan of a garment and comfort.



## The misconception of man-made versus natural fabrics

The **textiles** define both **comfort** (ergonomics) and **safety** (protection), it is a key driver in forestry and arboriculture applications. You might wonder why fancy "green" sportswear fabrics that are in high demand are not in scope. The answer is easy: their low protection level is unfit for the requirements of forestry and arboriculture.

Second, **natural raw materials**, such as cotton have the natural property people seem to be looking for when they think of sustainable garments, but natural doesn't necessarily mean less polluting. In fact, synthetic fibres are often portrayed way too negatively. For natural raw materials, the water consumption is often extremely high, sometimes biocides are used for growing them and chemicals and additives are used even in these natural materials.

For example, on average 2,700 litres of water is needed to produce just one cotton T-shirt (*The Conscious challenge*).

That equals more than 5 bottles of water per day for an entire year. Contrarily to what one might think about materials such as Polyester (PES) and their sometimes poor reputation, a 100% PES quality can be entirely recycled and reused as fabric. Cotton can also be recycled, including into yarn, provided that the fibre length is not too damaged or shortened by its use and washing of the cotton. In addition, cotton - even the short fibres - can be chemically recycled into viscose.

Third, you will probably agree that you prefer to wear **comfortable fabrics**. A popular example is that stretch fabrics are often preferred over the old-fashioned polycotton. Unfortunately, this preference makes your garments less sustainable, as stretch is not a mono-blend, making it very difficult to recycle. As soon as cotton fibres are blended with other fibres, it's no longer a mono-blend and it becomes harder to recycle. It's the same case with Polyester or Polyamide fibres that are combined with Lycra, Elasthane, ... to create a more comfortable stretch fabric.

Fourth, **synthetic fibres are naturally more resistant and repellent to pollution than natural fibres**. A possible solution to use natural fibres and to make them more durable, is by using a durable water repellent (DWR), such as PFAS. Its production, however, is polluting.

And finally, we aim to keep the **weight of your chainsaw trousers as low as possible**. Natural fibres are mechanically weaker than most synthetic fibres, meaning that you need more fibres ergo, weight to achieve the same level of protection. This directly increases the weight (*decreases the comfort*) of the trousers. In addition, natural fibres absorb more water, which again increases the weight. Maintaining a low weight is one of the reasons we choose not to use natural fibres.



## ***Sustainability is choosing durable, high-quality garments***

***Obviously, not wearing chainsaw trousers would be the most ecological solution. But safety first, remember? The second-best solution is using the least possible raw materials by buying a long-lasting quality garment, and to maintain and wash it according to the maintenance instructions.***



***The longer you can responsibly use your chainsaw protective garments, the fewer resources are required.***

This directly influences the product's full production cycle, meaning that it impacts all stages from yarn or fibre production and spinning over weaving and knitting to adding a finish, confectioning and logistics.

Choosing durable high-quality garments has an enormous impact on the full production cycle, while the choice between natural or synthetic fibres and possible recycling options only impact the fibre production phase.

***Simply said, if our chainsaw trousers have a longer life cycle, we'll by natural consequence need to manufacture less trousers, so we need less resources and fabrics.***

## Lifespan depends on quality, contamination and wash cycles

To extend your product's lifespan:

1. it's best to use **stronger fabric qualities** that have a longer lifespan;
2. the **confectioning should be highly qualitative**, allowing the clothing to be washed more often. We recommend using your chainsaw trousers between 35 and 50 washes, but we do strongly recommend air dry (no tumble drying). It's not the washing itself that is the problem. It's the contamination (fuel, chain oil, sawdust, sweat, etc.) that reduces the protection level. It can damage the fibres or make them stick together. In short, the less you wash them, the less protection they will provide;
3. a **water and oil repellent finish** should be used (to increase the safety as well);
4. your chainsaw protective clothing should, by preference, be **'developed to repair'**, which means that it should be made in such a way that the outer fabric can be repaired. Of course, as mentioned in the washing instructions, always keep in mind that you should never stitch through the protective inlay. The blocking material should never be altered. Only the outer fabric can be repaired.

**Finally, it's important to keep in mind that those ways to extend your product's lifespan will also influence its price.**

In conclusion, there isn't an obvious or unambiguous solution. Many topics are to be taken into account. As a producer, we would like to add that we have already taken a number of sustainability measures:

- Solar panels on our production sites
- Hangtags are no longer used (reduction of 150 kg or 46 km of plastic threads)
- A large part of our packaging is already made of recycled cardboard
- We have developed a sustainable hoodie in recycled Polyester and organic cotton

**There is more to come!**







# INNOVATION



# INNOVATION RANGE

*The perfect balance between weight, strength and resistance resulting in the ultimate comfort for the professional user.*

Our starting point for this range was to create a pair of trousers so light and breathable, you would forget you're wearing a protection layer.

We achieved this objective by combining our **Pezatec** and **Pezaflex** outer fabrics and **Dyneema**<sup>®</sup>-based chainsaw blocking fibres with an innovative design.

We went yet another step further with the introduction of the Innovation AIR-GO line.

# INNOVATION PRODUCT OVERVIEW TROUSERS



**Canopy AIR-GO**

**1SBD**

see page 25



**Canopy AIR-GO Donna**

**1SBF**

see page 27



**Innovator**

**1SPV**

see page 30

## Standards

EN ISO 11393

Class 1 - 20 m/s

Class 1 - 20 m/s

Class 1 - 20 m/s

EN 381

-

-

-

Type

Type A

Type A

Type A

EN ISO 13688

✓

✓

✓

## Application

Forestry

-

-

✓

Arboriculture

✓

✓

✓

Maintenance green spaces

-

-

-

Hunting

-

-

-

## Technical properties

Water and dirt repellent finish

✓

✓

✓

Waterproof outer fabric

-

-

-

## Main fabric type

Solid fabric

✓

✓

✓

2-way stretch

-

-

-

4-way stretch

✓

✓

-

## Knee and knee reinforcement

Waterproof

✓

✓

-

Ripstop

✓

✓

-

Hydura

-

-

-

Stretch

✓

✓

✓

## Ventilation

With a mesh

✓

✓

✓

With a zipper

-

-

-

## Gaiters

Yes

✓

✓

-

No

-

-

-

Ventilated

✓

✓

-

## Comfort

Stretch (5 = most stretch)

●●●●●

●●●●●

●●●●●

Weight (1 = heavy, 5 = lightweight)

●●●●●

●●●●●

●●●●●

## Available colours

Colour codes

290 Red/Black

284 Burgundy Red

894 Red/Grey

289 Komodo Khaki

939 Grey/Red

283 Bumblebee Yellow

-

310 Black/Lime green

-

183 Hi-Vis Orange/Black

-

294 Lime green/Black

-

## Available sizes

### Leg lengths

Short, inseam leg length 75 cm

XS-M

XS-2XL

-

Regular, inseam leg length 82 cm

XS-3XL

XS-2XL

XS-3XL

Tall, inseam leg length 88 cm

S-XL

-

-



# INNOVATION PRODUCT OVERVIEW JACKETS



## W-AIR

1SMW

see page 29

## W-AIR

1SLW

see page 29

1SIV

see page 31

1SKV

see page 31

### Standards

|              |        |        |                  |   |
|--------------|--------|--------|------------------|---|
| EN ISO 11393 | -      | -      | Class 1 - 20 m/s | - |
| Type         | -      | -      | Type A           | - |
| EN ISO 13688 | ✓      | ✓      | ✓                | - |
| EN ISO 17353 | Type A | Type A | -                | - |

### Application

|                          |   |   |   |   |
|--------------------------|---|---|---|---|
| Forestry                 | ✓ | ✓ | ✓ | ✓ |
| Arboriculture            | - | - | - | - |
| Maintenance green spaces | ✓ | ✓ | - | - |
| Hunting                  | - | - | - | - |

### Technical properties

|                                 |   |   |   |   |
|---------------------------------|---|---|---|---|
| Water and dirt repellent finish | ✓ | ✓ | ✓ | ✓ |
| Waterproof outer fabric         | - | - | - | - |

### Main fabric type

|               |   |   |   |   |
|---------------|---|---|---|---|
| Solid fabric  | ✓ | ✓ | ✓ | ✓ |
| 2-way stretch | - | - | - | - |
| 4-way stretch | - | - | - | - |

### Reinforcements

|            |   |   |   |   |
|------------|---|---|---|---|
| Waterproof | ✓ | ✓ | ✓ | ✓ |
| Ripstop    | ✓ | ✓ | ✓ | ✓ |

### Hydura

|  |   |   |   |   |
|--|---|---|---|---|
|  | - | - | - | - |
|--|---|---|---|---|

### Ventilation

|                     |   |   |   |   |
|---------------------|---|---|---|---|
| Underarm by opening | - | ✓ | ✓ | ✓ |
| Underarm by zipper  | ✓ | - | - | - |
| Back ventilation    | ✓ | ✓ | ✓ | ✓ |

### Comfort

|                                     |      |      |      |      |
|-------------------------------------|------|------|------|------|
| Stretch (5 = most stretch)          | ●●●● | ●●●● | ●●●● | ●●●● |
| Weight (1 = heavy, 5 = lightweight) | ●●●● | ●●●● | ●●●● | ●●●● |

### Available colours

013 Anthracite/Hi-Vis orange

830 Red/Hi-Vis Yellow/Black

939 Grey/Red

939 Grey/Red

### Available sizes

S - 3XL

S - 3XL

XS - 3XL

XS - 3XL



1SBD - INNOVATION

# Canopy AIR-GO

## Chainsaw trousers, class 1 type A



We merged our popular Forest W-AIR and Canopy W-AIR into the new Canopy AIR-GO trousers. These chainsaw trousers are especially designed for tree climbers. The Canopy AIR-GO's name refers to its 5 large ventilation areas: on the back of the leg, the crotch, and on the integrated gaiters. Let the AIR go! The trousers' new blocking material has a surprising 4 layers, is stretchable on itself, and is combined not only with a stretch outer fabric but also a stretch lining. All features combined make this Canopy AIR-GO the perfect match for everyone who is looking for extremely ventilated, comfortable, stretchy and lightweight trousers.

### SIZES

Short, inside leg 75cm: XS - M  
Regular, inside leg 82cm: XS - 3XL  
Tall, inside leg 88cm: S - XL

### COLOUR

- 183 Hi-Vis Orange/Black
- 294 Lime green/Black
- 290 Red/Black
- 289 Komodo Khaki
- 283 Bumblebee Yellow
- 310 Black/Lime green

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- 1 inset pocket on the back with zip closure
- 1 patched thigh pocket with zip closure
- Reinforcement at knee and inside of ankle
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Triple-needle stitching on the back seam to the inside leg

### INTERIOR

- Waterproof anti-wicking fabric below on top of the protective inlay
- Elasticated gaiter with metal lace hook to fix on shoe laces
- 4-layer protective inlay



From more product informaton, visit:  
<http://sio.to/sipen1sbd>

[sip-protection.com](http://sip-protection.com)

**TEKTOR**

**TEXION**





1SBF - INNOVATION

# Canopy AIR-GO Donna

## Women's chainsaw trousers, class 1 type A



The Canopy AIR-GO Donna resembles our Canopy AIR-GO but these chainsaw trousers are especially designed for female tree climbers. They are nicely fitted to the female shape without compromising on comfort or the trousers' airy properties. The Canopy AIR-GO Donna has 5 large ventilation areas: on the back of the legs, the crotch and on the integrated gaiters. Let the AIR GO! We don't only use a stretch outer fabric, but also the new blocking material is stretchable, as well as the lining. Definitely your perfect fit if you are looking for comfortable, lightweight and ventilated chainsaw trousers adapted to the female shape.

### SIZES

Short, inside leg 72cm: XS - 2XL  
Regular, inside leg 79cm: XS - 2XL

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- 1 inset pocket on the back with zip closure
- 1 patched thigh pocket with zip closure
- Reinforcement at knee and inside of ankle
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Triple-needle stitching on the back seam to the inside leg

### COLOUR

- 284 Burgundy Red

### INTERIOR

- Waterproof anti-wicking fabric below on top of the protective inlay
- Elasticated gaiter with metal lace hook to fix on shoe laces
- 4-layer protective inlay



From more product information, visit:  
<http://sio.to/sipen1sbf>

[sip-protection.com](http://sip-protection.com)

**TEKTOR**





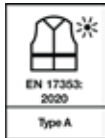
BY PROTECTION



## 1SMW - 1SLW - INNOVATION

## W-AIR

## Working jacket



Being lightweight, highly ventilated and very robust, this working jacket has been developed with the same mindset as the W-AIR trousers in the Innovation range. With its hi-vis orange **Pezatec** fabric and retro-reflective striping you are sure to be seen, which highly increases safety. The waterproof **Tektor** shoulders with a return on the collar assures this jacket a long life while giving you the highest comfort!

## SIZES

S - XXXL

## 1SMW - COLOUR

- 013 Anthracite/Hi-Vis orange

## 1SLW - COLOUR

- 830 Red/Hi-Vis Yellow/Black

## EXTERIOR

- Ergonomic collar
- Front zip closure under flap
- 1 vertical inset pocket with zip closure on the chest
- 2 inset pockets
- 1 patched smartphone pocket with zip closure on the left arm
- Sleeve narrowing system by touch and close fastening
- Elasticated waist
- Back- and underarm ventilation
- Elongated back tail

## INTERIOR

- Nylnet lining for an optimal wearing comfort (100% polyester)
- Sio-Cool® Light comfort cuffs in the sleeves (100% bird-eye polyester ± 120 g/m<sup>2</sup>)
- 1 patched First Aid pocket with zip closure on the left side



From more product informaton, visit:  
<http://sio.to/sipen1smw>



From more product informaton, visit:  
<http://sio.to/sipen1slw>

TEKTOR

pezaflex

pezatec



1SPV - INNOVATION

# Innovator

## Chainsaw trousers, class 1 type A



The already well known Innovation trousers are still standing strong as your first step towards a high comfort thanks to its very low weight and ventilation. They are composed of very hard wearing **Pezatec (Cordura®)** and **Pezaflex (Cordura®)** fabrics with **Teflon™** finish and chainsaw protection based on **Dyneema®** yarns and have served as the starting point of our new W-AIR collection within the Innovation range.

### SIZES

XS - XXXL

### COLOUR

- 894 Red/Grey
- 939 Grey/Red

### EXTERIOR

- Front fly with zip closure - closing by 2 metal buttons
- 2 inset pockets with splash-proof zippers
- 1 ruler pocket
- 1 inset back pocket with splash-proof zipper
- 1 patched left thigh pocket with splashproof zipper
- Elasticated waist+1 buttons for braces
- Bib in back
- Triple-needle stitching on the back seam to the inside leg

### INTERIOR

- Nylnet lining for an optimal wearing comfort (100% polyester)
- Pezatec fabric below on top of the protective inlay (100% high-tenacity polyamide Cordura®)
- 6 layer front protective inlay based on Dyneema® yarns



From more product information, visit:  
<http://sio.to/sipen1spv>

pezaflex

pezatec



Dyneema®  
With you when it matters

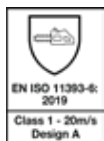




## INNOVATION

## 1SIV

## Chainsaw jacket, class 1



In terms of ergonomics, weight and durability this chainsaw jacket is unsurpassed. High performance **Pezatec (Cordura®)** and **Pezaflex (Cordura®)** outer fabric with water & soil repellent **Teflon™** finish. The waterproof **Tektor** shoulder reinforcements allow you to carry a chainsaw or logs on your shoulders without tearing the fabric.

## SIZES

XS - XXXL

## COLOUR

• 939 Grey/Red

## EXTERIOR

- Ergonomic collar
- Front zip closure under flap
- 2 inset pockets with splash-proof zippers
- 1 patched smartphone pocket on the left sleeve with splash-proof zip closure
- Sleeve narrowing system by touch and close fastening
- Elasticated waist
- Back- and underarm ventilation
- Elongated back tail

## INTERIOR

- Nylnet lining for an optimal wearing comfort (100% polyester)
- 1 patched First Aid pocket with zip closure on the left side
- 8 layer arm-, shoulder- and chest protection to EN 381-11

TEKTOR

pezafleX

pezatec



## INNOVATION

## 1SKV

## Working jacket



Very light yet resistant working jacket in a high performance **Pezatec (Cordura®)** and **Pezaflex (Cordura®)** outer fabric. Particularly suitable for heavy forestry work. The comfort cuffs prevent the infiltration of sawdust in the sleeves. The waterproof **Tektor** shoulder reinforcements allow you to carry a chainsaw or logs on your shoulders without tearing the fabric.

## SIZES

XS - XXXL

## COLOUR

• 939 Grey/Red

## EXTERIOR

- Ergonomic collar
- Front zip closure under flap
- 2 inset pockets with splash-proof zippers
- 1 patched smartphone pocket on the left sleeve with splash-proof zip closure
- Sleeve narrowing system by touch and close fastening
- Elasticated waist
- Back- and underarm ventilation
- Elongated back tail

## INTERIOR

- Sio-Cool® Light comfort cuffs in the sleeves (100% bird-eye polyester ± 120 g/m<sup>2</sup>)
- 1 patched First Aid pocket with zip closure on the left side

TEKTOR

pezafleX

pezatec







# PROGRESSES



# PROGRESS RANGE

***A high-quality range of stretchable and highly durable chainsaw protective clothing.***

Our Progress range equals durability. Add to this the TeXXion stretch fabric and a quality-driven finish, and you get a high-end product range for demanding professional users.

Dyneema®-based chainsaw blocking fibres help reduce the total weight, and the high performing Teflon finish render the TeXXion outer shell water and dirt-repellent.

# PROGRESS PRODUCT OVERVIEW TROUSERS

|   |  |   |   |  |  |
|---|--|---|---|--|--|
|  |  |  |  |  |  |
| <b>Samourai</b><br><i>1SRL</i>  | <b>Samourai HV</b><br><i>1SAL</i>  | <b>Arborist</b><br><i>1SNA</i>  | <b>Tall fit arborist</b><br><i>1SNB</i>   | <b>Arborist HV</b><br><i>1SNS</i>  | <i>1SQC</i>  |
| see page 39   | see page 41  | see page 42   | see page 42   | see page 43  | see page 45  |

## Standards

|              |                  |                  |                  |                  |                  |                  |
|--------------|------------------|------------------|------------------|------------------|------------------|------------------|
| EN ISO 11393 | Class 1 - 20 m/s | Class 1 - 20 m/s | -                | -                | -                | Class 2 - 24 m/s |
| EN 381       |                  |                  | Class 1 - 20 m/s | Class 1 - 20 m/s | Class 1 - 20 m/s |                  |
| Type         | Type A           | Type A           | Type A           | Type A           | Type A           | Type A           |
| EN ISO 20471 | -                | ✓                | -                | -                | ✓                | -                |
| EN ISO 13688 | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                |

## Application

|                          |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|
| Forestry                 | ✓ | ✓ | - | - | - | ✓ |
| Arboriculture            | - | - | ✓ | ✓ | ✓ | ✓ |
| Maintenance green spaces | - | ✓ | - | - | - | - |
| Hunting                  | - | - | - | - | - | - |

## Technical properties

|                                 |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|
| Water and dirt repellent finish | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Waterproof outer fabric         | - | - | - | - | - | - |

## Main fabric type

|               |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|
| Solid fabric  | ✓ | ✓ | - | - | - | - |
| 2-way stretch | - | - | - | - | - | - |
| 4-way stretch | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

## Knee and knee reinforcement

|            |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|
| Waterproof | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Ripstop    | ✓ | ✓ | - | - | - | - |
| Hydura     | - | - | - | - | - | - |
| Stretch    | - | - | ✓ | ✓ | ✓ | ✓ |

## Ventilation

|               |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|
| With a mesh   | - | - | - | - | - | - |
| With a zipper | ✓ | ✓ | ✓ | ✓ | ✓ | - |

## Gaiters

|            |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|
| Yes        | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| No         | - | - | - | - | - | ✓ |
| Ventilated | ✓ | - | - | - | - | - |

## Comfort

|                                     |       |       |       |       |       |       |
|-------------------------------------|-------|-------|-------|-------|-------|-------|
| Stretch (5 = most stretch)          | ●●●●  | ●●●●  | ●●●●● | ●●●●● | ●●●●● | ●●●●● |
| Weight (1 = heavy, 5 = lightweight) | ●●●●● | ●●●●● | ●●●●● | ●●●●● | ●●●●● | ●●●●● |

## Available colours

|              |                                     |                         |                       |                      |                         |               |
|--------------|-------------------------------------|-------------------------|-----------------------|----------------------|-------------------------|---------------|
| Colour codes | 830 Red/Hi-Vis Yellow/Black         | 183 Hi-Vis Orange/Black | 835 Anthracite/Black  | 835 Anthracite/Black | 183 Hi-Vis Orange/Black | 833 Red/Black |
|              | 831 Khaki Green/Hi-Vis Orange/Black | -                       | 833 Red/Black         | -                    | -                       | -             |
|              | 832 Grey/Hi-Vis Orange/Black        | -                       | 834 Khaki Green/Black | -                    | -                       | -             |

## Available sizes

### Leg lengths

|                                  |          |          |          |        |         |          |
|----------------------------------|----------|----------|----------|--------|---------|----------|
| Short, inseam leg length 75 cm   | S - 2XL  | S - 3XL  | -        | -      | S - 2XL | -        |
| Regular, inseam leg length 82 cm | XS - 3XL | XS - 3XL | XS - XXL | -      | S - 3XL | XS - 3XL |
| Tall, inseam leg length 88 cm    | S - 2XL  | S - 2XL  | -        | S - XL | S - 2XL | -        |

# PROGRESS PRODUCT OVERVIEW JACKETS



## Forest Pro

1SKJ

see page 47

## Forest Pro Flash

1SKK

see page 48

## Forest Pro-TECT

1SIB

see page 49

### Standards

|                   |        |         |                  |
|-------------------|--------|---------|------------------|
| EN ISO 11393      | -      | -       | Class 1 - 20 m/s |
| Type              | -      | -       | Type B           |
| EN ISO 20471      | -      | Class 2 | Class 2          |
| EN ISO 13688      | ✓      | ✓       | ✓                |
| EN ISO 17353      | Type A | -       | -                |
| EN 13758/ UPF 50+ | ✓      | ✓       | ✓                |

### Application

|                          |   |   |   |
|--------------------------|---|---|---|
| Forestry                 | ✓ | ✓ | ✓ |
| Arboriculture            | ✓ | ✓ | ✓ |
| Maintenance green spaces | - | ✓ | - |
| Hunting                  | - | - | - |

### Technical properties

|                                 |   |   |   |
|---------------------------------|---|---|---|
| Water and dirt repellent finish | ✓ | ✓ | ✓ |
| Waterproof outer fabric         | - | - | - |

### Main fabric type

|               |   |   |   |
|---------------|---|---|---|
| Solid fabric  | - | - | - |
| 2-way stretch | - | - | - |
| 4-way stretch | ✓ | ✓ | ✓ |

### Reinforcements

|            |   |   |   |
|------------|---|---|---|
| Waterproof | ✓ | ✓ | ✓ |
| Ripstop    | ✓ | ✓ | ✓ |

### Hydura

|  |   |   |   |
|--|---|---|---|
|  | - | - | - |
|--|---|---|---|

### Ventilation

|                     |   |   |   |
|---------------------|---|---|---|
| Underarm by opening | ✓ | ✓ | ✓ |
| Underarm by zipper  | - | - | - |
| Back ventilation    | ✓ | ✓ | ✓ |

### Comfort

|                                     |      |      |      |
|-------------------------------------|------|------|------|
| Stretch (5 = most stretch)          | ●●●● | ●●●● | ●●●● |
| Weight (1 = heavy, 5 = lightweight) | ●●●● | ●●●● | ●●●● |

### Available colours

|  |   |   |   |
|--|---|---|---|
|  | 907 Red/Hi-Vis Yellow<br>908 Grey/Hi-Vis Orange | 907 Red/Hi-Vis Yellow<br>908 Grey/Hi-Vis Orange | 907 Red/Hi-Vis Yellow<br>908 Grey/Hi-Vis Orange |
|--|---|---|---|

### Available sizes

|  |         |         |         |
|--|---------|---------|---------|
|  | S - 3XL | S - 3XL | S - 3XL |
|--|---------|---------|---------|



Samourai

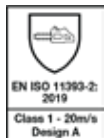




1SRL - PROGRESS

# Samourai

## Chainsaw trousers, class 1 type A



*Strong. Stronger... **Samourai!** The **Samourai** trousers are all about toughness. Heavy vegetation of any kind, even high bramble bush, are no match for the **Tektor** reinforcements. Like a second highly protective skin, it has been especially conceived for the most demanding working conditions, in which an extremely strong pair of trousers are necessary in order to work comfortably. What's more, the trousers have been completely developed to be as ergonomic as possible and are available in 3 different leg lengths Short, Regular and Tall. All this to assure you focussing on your work instead of on the environment in which you're working.*

### SIZES

Short, inside leg 75cm: S - 2XL  
 Regular, inside leg 82cm: XS - 3XL  
 Tall, inside leg 88cm: S - 2XL

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- 1 inset back pocket with flap and closed by zipper
- 1 patched thigh pocket with flap with retro-reflective piping
- 1 double pocket with flap and retro-reflective piping for measuring equipment and spark plug combination spanner, reinforced on the inside
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Back bib with loops for braces ref. 5SD4
- Triple-needle stitching on the back seam to the inside leg

### COLOUR

- 830 Red/Hi-Vis Yellow/Black
- 831 Khaki Green/Hi-Vis Orange/Black
- 832 Grey/Hi-Vis Orange/Black

### INTERIOR

- Nylnet lining for an optimal wearing comfort (100% polyester)
- Waterproof anti-wicking fabric below on top of the protective inlay
- Metal lace hook with elastic to fix on shoe laces
- 6 layer front protective inlay based on Dyneema® yarns



From more product informaton, visit:  
<http://sio.to/sipen1srl>

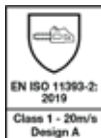

**TEKTOR**
**Dyneema®**  
 With you when it matters



1SAL - PROGRESS

# Samourai HV

Chainsaw trousers, EN ISO 11393 class 1 type A, EN ISO 20471 class 2



*Strong. Stronger... **Samourai!** The **Samourai HV** trousers combine high visibility in accordance with EN ISO 20471 class 2 with the specific characteristics of the standard **Samourai** trousers - hardwearing. Heavy vegetation of any kind, even high bramble bush, are no match for the **Tektor** reinforcements. Working along or in the vicinity of a road is no longer an issue with these HV trousers. What's more, the trousers have been completely redeveloped to be as comfortable to wear as possible and are available in 3 different leg lengths Short, Regular and Tall. All this to assure you focussing on your work instead of on the environment in which you're working.*

## SIZES

Short, inside leg 75cm: S - 3XL  
 Regular, inside leg 82cm: XS - 3XL  
 Tall, inside leg 88cm: S - 2XL

## EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- 1 inset back pocket with flap and closed by zipper
- 1 patched thigh pocket with flap with retro-reflective piping
- 1 double pocket for measuring equipment and spark plug combination spanner
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Back bib with loops for braces ref. 5SD4
- Triple-needle stitching on the back seam to the inside leg

## COLOUR

- 183 Hi-Vis Orange/Black

## INTERIOR

- Nylinet lining for an optimal wearing comfort (100% polyester)
- Waterproof anti-wicking fabric below on top of the protective inlay
- Metal lace hook with elastic to fix on shoe laces
- 5 layer front protective inlay



From more product informaton, visit:  
<http://sio.to/sipen1sal>

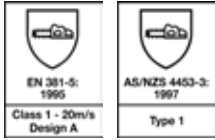


**TEKTOR**



# Arborist (Tall Fit)

## Chainsaw trousers, class 1 type A



The Arborist chainsaw trousers combine the key features of the Progress range with several particularities adapted to the needs of arborists: integrated gaiters with a lace hook to fix them and ventilation zippers that don't get in your way when wearing a safety harness. What's more, we were able to reduce the weight by using **Dyneema®** fibres for the protective lining. The very hard wearing **Armortex® Light** (containing **Kevlar®**) knee reinforcements assure an extremely high abrasion and tear resistance.

### 1SNA - SIZES

XS - XXL

### 1SNB - SIZES

S-XL

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- 1 patched thigh pocket with flap with retro-reflective piping
- 1 patched smartphone pocket with waterproof lining on the right leg with splash proof zip closure
- Ventilation zipper on the back of the legs
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Triple-needle stitching on the back seam to the inside leg

### 1SNA - COLOUR

- 835 Anthracite/Black
- 833 Red/Black
- 834 Khaki Green/Black

### 1SNB - COLOUR

- 835 Anthracite/Black

### INTERIOR

- Nylinet lining for an optimal wearing comfort (100% polyester)
- Waterproof anti-wicking fabric below on top of the protective inlay
- Elasticated gaiter with metal lace hook to fix on shoe laces
- 6 layer front protective inlay based on Dyneema® yarns



TALL FIT  
+ 6cm



From more product information, visit:  
<http://sio.to/sipenarborist>

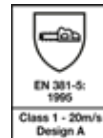




1SNS - PROGRESS

# Arborist HV

Chainsaw trousers, EN 381 class 1 type A, EN ISO 20471 class 2



### SIZES

Short, inside leg 77cm: S - 2XL  
 Regular, inside leg 82cm: S - 3XL  
 Tall, inside leg 88cm: S - 2XL

### COLOUR

• 183 Hi-Vis Orange/Black

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- 1 inset back pocket with flap and closed by zipper
- 1 patched thigh pocket with flap with retro-reflective piping
- 1 double pocket with flap and retro-reflective piping for measuring equipment and spark plug combination spanner, reinforced on the inside
- Ventilation zipper on the back of the legs
- Elasticated waist with loops for belt - buttons for braces
- Bib in back with buttons for braces
- Triple-needle stitching on the back seam to the inside leg

### INTERIOR

- Nylnet lining for an optimal wearing comfort (100% polyester)
- Waterproof anti-wicking fabric below on top of the protective inlay
- Metal lace hook with elastic to fix on shoe laces
- 6 layer front protective inlay based on Dyneema® yarns
- Foam in the back bib for an enhanced comfort





1SQC - PROGRESS

# PRO-Gression

## Chainsaw trousers, class 2 type A



The PRO-Gression are just like the 1SQT class 2 Progress chainsaw trousers. They now come in a fashionable new design and have a new, even more comfortable, and stylish fit and have a more flexible reinforcement at the knees. On top of that, a new six-layered blocking material is used for its class 2 protection. As it's one of the Progress range's key features, the extremely robust 4-way stretch **TeXXion** outer fabric is used.

### SIZES

Regular, inside leg 82cm: S - 3XL

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- 1 inset pocket on the back with zip closure
- 1 patched thigh pocket with zip closure
- 1 double patched pock for meas equip + 3 compart pen pocket
- Reinforcement at knee and inside of ankle
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Back bib with loops for braces ref. 5SD4
- Triple-needle stitching on the back seam to the inside leg

### COLOUR

- 833 Red/Black

### INTERIOR

- Foam in the back bib for an enhanced comfort
- 6 layer front protective inlay



From more product informaton, visit:  
<http://sio.to/sipen1sqc>





Sawdust



1SKJ - PROGRESS

# Forest Pro

## Working jacket



Forest Pro, the ultimate working jacket matching the Progress styles **Samourai** and **Arborist**. In addition to the **TeXion** 4-way outer fabric, this jacket has all the right pockets and features to meet FPA Profi requirements. A must-have if you want the profi-look.

### SIZES

S - XXXL

### EXTERIOR

- Ergonomic collar
- Closure by zip closure and press studs
- 2 inset chest pockets with zip closure
- 2 inset pockets with zip closure
- Sleeve narrowing system by touch and close fastening
- Elasticated waist
- Underarm ventilation
- Elongated back tail

### COLOUR

- 907 Red/Hi-Vis Yellow
- 908 Grey/Hi-Vis Orange

### INTERIOR

- Nylinet lining for an optimal wearing comfort (100% polyester)
- 1 patched First Aid pocket with zip closure on the left side



From more product informaton, visit:  
<http://sio.to/sipen1skj>

[sip-protection.com](http://sip-protection.com)

**TEKTOR**

**TEXION**



# Forest Pro Flash

HV working jacket, EN ISO 20471 class 2



The 1SKK jacket combines all the benefits of the Forest Pro jacket with the benefits of EN ISO 20471 requirements. When you really need to be seen, the Forest Pro Flash is your jacket.

## SIZES

S - XXXL

## EXTERIOR

- Ergonomic collar
- Closure by zip closure and press studs
- 2 inset chest pockets with zip closure
- 2 inset pockets with zip closure
- Sleeve narrowing system by touch and close fastening
- Elasticated waist
- Underarm ventilation
- Elongated back tail

## COLOUR

- 907 Red/Hi-Vis Yellow
- 908 Grey/Hi-Vis Orange

## INTERIOR

- Nylinet lining for an optimal wearing comfort (100% polyester)
- 1 patched First Aid pocket with zip closure on the left side



From more product information, visit:  
<http://sio.to/sipen1skk>

## 1SIB - PROGRESS

# Forest Pro-protect

HV chainsaw jacket,  
EN 11393 class 1 type B +  
belly protection, EN ISO 20471 class 2



The Forest Pro-protect jacket is the ideal 2-in-1 protective solution for arborists working on a servicing platform. It complies to EN ISO 11393 class 1 design B, offering also chainsaw protection on the abdomen, as well as to Hi-Vis EN ISO 20471 class 2. Thanks to the smart loop openings in the back or in the front at chest height, it can be fitted with the fall arrest harness underneath, thus offering much more freedom of movement.

## SIZES

S - XXXL

## COLOUR

- 907 Red/Hi-Vis Yellow
- 908 Grey/Hi-Vis Orange

## EXTERIOR

- Ergonomic collar
- Closure by zip closure and press studs
- 2 inset chest pockets with zip closure
- 2 inset pockets with zip closure
- Sleeve narrowing system by touch and close fastening
- Elasticated waist
- Underarm ventilation
- Elongated back tail
- "fall arrest" harness can be fitted in

## INTERIOR

- Nylinet lining for an optimal wearing comfort (100% polyester)
- 1 patched First Aid pocket with zip closure on the left side
- 8 layer arm, shoulder- and chest protection to EN 381-11 with additional belly protection



From more product information, visit:  
<http://sio.to/sipen1sib>



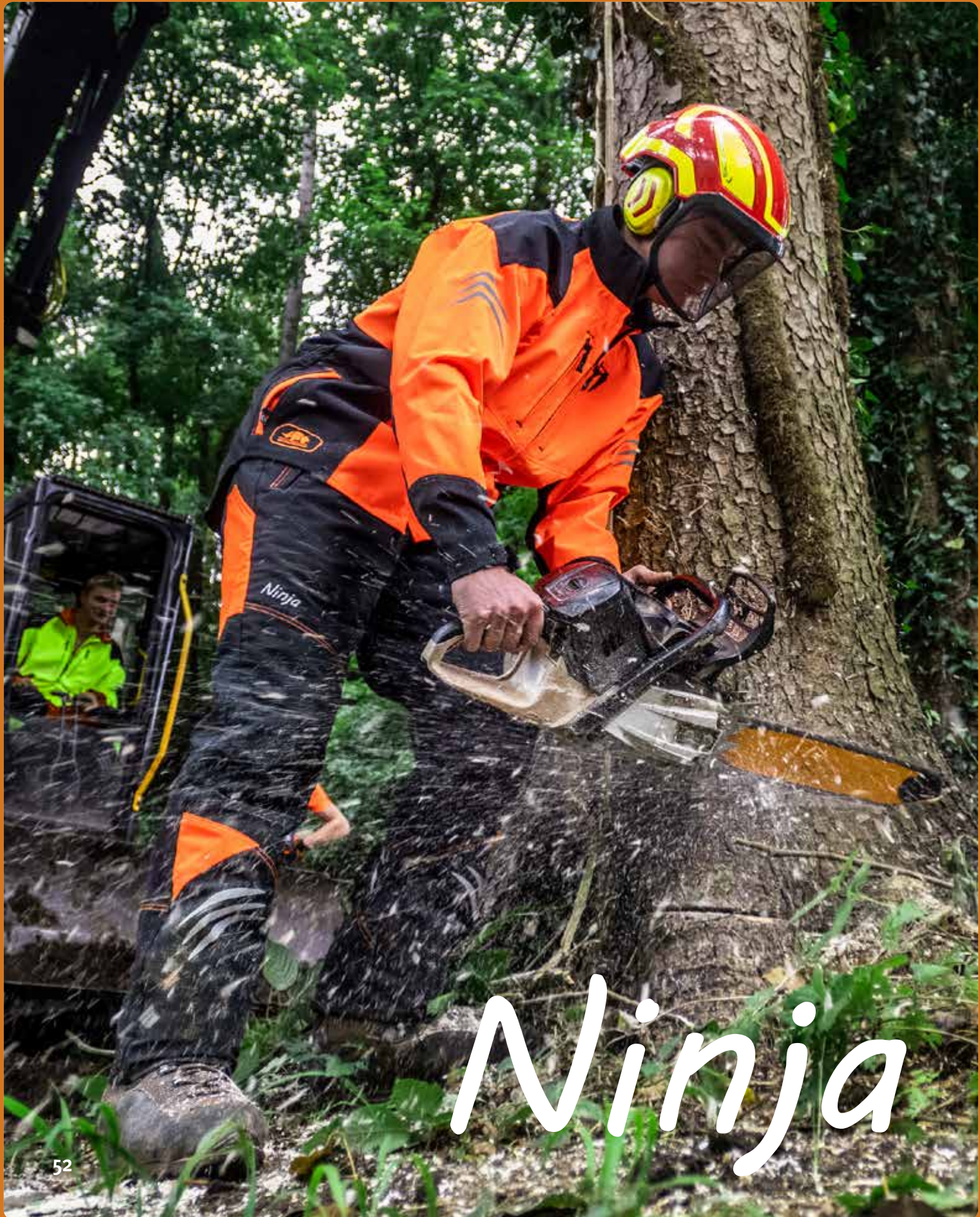
EVO

# EVO RANGE

***A mid-range collection in a modern design that provides high-quality comfort and flexibility at a competitive price.***

The EVO range completes our SIP Protection collection, as it fills the gap between the BasePro and Flex ranges on the one hand and the Innovation and Progress ranges on the other. It combines **high-quality protection and excellent comfort with flexibility, lightness, and a modern design**. In addition, the products are **moderately priced**.

The EVO range's flexibility can be attributed to its **4-way stretch outer fabrics**, while its chainsaw protection is made possible by a 6-layer blocking material.



*Ninja*

# EVO RANGE PRODUCT OVERVIEW TROUSER & JACKET



**Ninja**

1SPO

see page 54



**Shinobi**

1SKO

see page 55

## Standards

|                    |                  |        |
|--------------------|------------------|--------|
| EN ISO 11393       | Class 1 - 20 m/s | -      |
| Type               | Type A           | -      |
| EN ISO 13688       | ✓                | ✓      |
| EN ISO 17353       | -                | Type A |
| EN 13758 / UPF 50+ | -                | ✓      |

## Application

|                          |   |   |
|--------------------------|---|---|
| Forestry                 | ✓ | ✓ |
| Arboriculture            | - | - |
| Maintenance green spaces | - | - |
| Hunting                  | - | - |

## Technical properties

|                                 |   |   |
|---------------------------------|---|---|
| Water and dirt repellent finish | ✓ | ✓ |
| Waterproof outer fabric         | - | - |

## Main fabric type

|               |   |   |
|---------------|---|---|
| Solid fabric  | - | - |
| 2-way stretch | - | - |
| 4-way stretch | ✓ | ✓ |

## Knee and knee reinforcement / reinforcements

|            |   |   |
|------------|---|---|
| Waterproof | ✓ | - |
| Ripstop    | ✓ | - |
| Hydura     | - | - |
| Stretch    | ✓ | - |

## Ventilation

|                     |   |   |
|---------------------|---|---|
| With a mesh         | - | - |
| With a zipper       | ✓ | - |
| Underarm by opening | - | ✓ |
| Underarm by zipper  | - | - |
| Back ventilation    | - | ✓ |

## Gaiters

|            |   |   |
|------------|---|---|
| Yes        | - | - |
| No         | ✓ | ✓ |
| Ventilated | - | - |

## Comfort

|                                     |      |       |
|-------------------------------------|------|-------|
| Stretch (5 = most stretch)          | ●●●● | ●●●●● |
| Weight (1 = heavy, 5 = lightweight) | ●●●● | ●●●●● |

## Available colours

|              |  |  |
|--------------|--|--|
| Colour codes | 718 Black/HV Orange<br>907 Red/Hi-Vis Yellow | 183 Hi-Vis Orange/Black<br>844 Hi-Vis Yellow/Red |
|--------------|--|--|

## Available sizes

|                                  |         |          |
|----------------------------------|---------|----------|
| <b>Leg lengths</b>               |         |          |
| Short, inseam leg length 75 cm   | S - 2XL | -        |
| Regular, inseam leg length 82 cm | S - 3XL | -        |
| Tall, inseam leg length 88 cm    | S - 2XL | -        |
| Jacket size                      | -       | XS - 3XL |

# Ninja

## Chainsaw trousers, class 1 type A



Where the **Samurai** chainsaw trousers stand for robust and everlasting chainsaw protective trousers, the **Ninja** trousers are meant to offer excellent comfort and moving ability, combined with a refreshing and new design.

### SIZES

Short, inside leg 75cm: S - 2XL  
 Regular, inside leg 82cm: S - 3XL  
 Tall, inside leg 88cm: S - 2XL

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- 1 inset thigh pocket with zip closure
- 1 inset back pocket with flap and closed by zipper
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- 1 ruler pocket
- Ventilation zipper on the back of the legs
- Coated and waterproof Pezatec Aqua reinforcement on the front and below on the back of the trousers (100% Cordura® with 100% polyurethane coating ± 200 g/m<sup>2</sup>)
- Adjustable waist with fast and close system with loops for braces

### COLOUR

- 718 Black/HV Orange
- 907 Red/Hi-Vis Yellow

### INTERIOR

- Metal lace hook with elastic to fix on shoe laces
- Waterproof anti-wicking fabric below on top of the protective inlay
- 6 layer front protective inlay



From more product information, visit:  
<http://sio.to/sipen1spo>





1SKO - EVO

# Shinobi

## Working jacket



*The Shinobi jacket completes your outfit, matching the 3, in colours and fabrics. And offering all a good forest jacket requires.*

### SIZES

XS - XXXL

### COLOUR

- 844 Hi-Vis Yellow/Red
- 183 Hi-Vis Orange/Black

### EXTERIOR

- Ergonomic collar
- Full front zip closure
- 2 inset chest pockets with zip closure
- 2 inset pockets with zip closure
- Sleeve narrowing system by touch and close fastening
- Elasticated waist
- Back- and underarm ventilation
- Elongated back tail

### INTERIOR

- Nylinet lining for an optimal wearing comfort (100% polyester)
- 1 patched First Aid pocket with zip closure on the left side

TEKTOR

TEXION









**REFLEX**

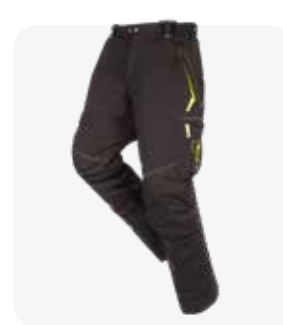
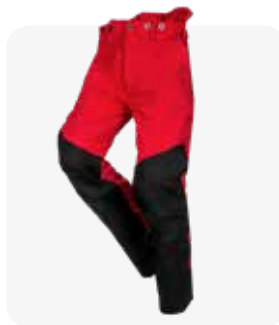
**REFLEX**

# FLEX RANGE

*Stretch chainsaw protective clothing for the price-conscious user.*

This range is offering different styles that have two things in common: flexible materials, providing a good comfort at very economic prices without jeopardising the durability.

# FLEX PRODUCT OVERVIEW TROUSERS



## Flex

1XSP

see page 63

## Reflex

1XRP

see page 65

## T-Flex

1XRU

see page 67

### Standards

EN ISO 11393

EN 381

Type

EN ISO 13688

### Application

Forestry

Arboriculture

Maintenance green spaces

Hunting

### Technical properties

Water and dirt repellent finish

Waterproof outer fabric

### Main fabric type

Solid fabric

2-way stretch

4-way stretch

### Knee and knee reinforcement

Waterproof

Ripstop

Hydura

Stretch

### Ventilation

with a mesh

with a zipper

### Gaiters

Yes

No

Ventilated

### Comfort

Stretch (5 = most stretch)

Weight (1 = heavy, 5 = lightweight)

### Available colours

Colour codes

### Available sizes

#### Leg lengths

Short, inseam leg length 75 cm

Regular, inseam leg length 82 cm

Tall, inseam leg length 88 cm

|                                     | Flex<br>1XSP<br>see page 63 | Reflex<br>1XRP<br>see page 65                    | T-Flex<br>1XRU<br>see page 67 |
|-------------------------------------|-----------------------------|--|-------------------------------|
| EN ISO 11393                        |                             | Class 1 - 20 m/s                                 | Class 1 - 20 m/s              |
| EN 381                              | Class 1 - 20 m/s            | -  | -                             |
| Type                                | Type A                      | Type A   | Type A                        |
| EN ISO 13688                        | ✓                           | ✓  | ✓                             |
| Forestry                            | ✓                           | ✓  | ✓                             |
| Arboriculture                       | -                           | ✓  | ✓                             |
| Maintenance green spaces            | -                           | -  | -                             |
| Hunting                             | -                           | -  | -                             |
| Water and dirt repellent finish     | -                           | -  | -                             |
| Waterproof outer fabric             | -                           | -  | -                             |
| Solid fabric                        | -                           | -  | -                             |
| 2-way stretch                       | ✓                           | ✓  | ✓                             |
| 4-way stretch                       | -                           | -  | -                             |
| Waterproof                          | -                           | -  | -                             |
| Ripstop                             | -                           | -  | -                             |
| Hydura                              | ✓                           | ✓  | ✓                             |
| Stretch                             | -                           | -  | -                             |
| with a mesh                         | -                           | -  | -                             |
| with a zipper                       | -                           | ✓  | ✓                             |
| Yes                                 | -                           | -  | -                             |
| No                                  | ✓                           | ✓  | ✓                             |
| Ventilated                          | -                           | -  | -                             |
| Stretch (5 = most stretch)          | ●●●●                        | ●●●●   | ●●●●                          |
| Weight (1 = heavy, 5 = lightweight) | ●●●●                        | ●●●●   | ●●●●                          |
| Colour codes                        | 907 Red/Hi-Vis Yellow<br>-  | 907 Red/Hi-Vis Yellow<br>684 Black/Hi-Vis Yellow | 684 Black/Hi-Vis Yellow<br>-  |
| Short, inseam leg length 75 cm      | -                           | -  | -                             |
| Regular, inseam leg length 82 cm    | XS - 3XL                    | XS - 3XL   | XS - 2XL                      |
| Tall, inseam leg length 88 cm       | -                           | -  | -                             |



## FLEX PRODUCT OVERVIEW JACKET



1XSK

see page see page 69

### Standards

EN ISO 13688

✓

EN ISO 17353

Type A

### Application

Forestry

✓

Arboriculture

-

Maintenance green spaces

-

Hunting

-

### Technical properties

Water and dirt repellent finish

-

Waterproof outer fabric

-

### Main fabric type

Solid fabric

-

2-way stretch

✓

4-way stretch

-

### Reinforcements

Waterproof

-

Ripstop

-

Hydura

-

### Ventilation

Underarm by opening

-

Underarm by zipper

-

Back ventilation

✓

### Comfort

Stretch (5 = most stretch)

●●●●●

Weight (1 = heavy, 5 = lightweight)

●●●●●

### Available colours

907 Red/Hi-Vis Yellow

### Available sizes

XS - 3XL

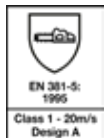




1XSP - FLEX

# Flex

## Chainsaw trousers, class 1 type A



These excellently priced chainsaw trousers, now even more comfortable thanks to the use of 6 layer protective inlay, are made of a very robust 2-way stretch and durable **Freedom 2** fabric. For those who are looking for a SIP Protection quality product for a very sharp price. The heavy duty **Hydura** reinforcement on the front assures a high abrasion resistance.

### SIZES

XS - XXXL

### EXTERIOR

- Front fly with zip closure - closing by 1 button
- 2 inset pockets
- 1 patched back pocket with flap
- 1 ruler pocket
- Elasticated waist with loops for belt - buttons for braces
- Bib in back with buttons for braces
- Double-needle stitching on the back seam to the inside leg

### COLOUR

- 907 Red/Hi-Vis Yellow

### INTERIOR

- Polyester - cotton lining (65% Polyester - 35% Cotton 85 g/m<sup>2</sup>)
- 6 layer front protective inlay



From more product informaton, visit:  
<http://sio.to/sipen1xsp>

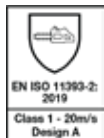
**HYDURA**◀ **FREEDM2** ▶



1XRP - FLEX

# ReFlex

## Chainsaw trousers, class 1 type A



Naming these brand new chainsaw trousers the Flex 2.0 chainsaw trousers as in, "a new version of the 1XSP Flex trousers", would have been a serious understatement. So we called them the ReFlex trousers. Because that's exactly what they are, your first stop if you are on the lookout for the robustness and comfort of the 1XSP Flex trousers but with all the extras you would only expect from high-end chainsaw trousers. Ventilation zippers at the back of the legs, zipped pockets, metal lace hooks,...you name it, the ReFlex offers it all at an unbeatable price!

### SIZES

Regular, inside leg 82cm: XS - 3XL

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- 1 double pocket for measuring equipment and spark plug combination spanner
- 1 patched left thigh pocket with zip closure
- Ventilation zipper on the back of the legs
- Coated and waterproof Pezatec Aqua reinforcement on the front and below on the back of the trousers (100% Cordura® with 100% polyurethane coating ± 200 g/m²)
- Elastic waist with loops for velcro braces (ref. 5SD4)

### COLOUR

- 907 Red/Hi-Vis Yellow
- 684 Black/Hi-Vis Yellow

### INTERIOR

- Metal lace hook with elastic to fix on shoe laces
- Waterproof anti-wicking fabric below on top of the protective inlay
- 6 layer front protective inlay



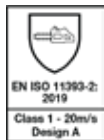
From more product information, visit:  
<http://sio.to/sipen1xrp>



1XRU - FLEX

# T-Flex

## Chainsaw trousers, class 1 type A + additional calf protection



If you need chainsaw trousers with calf protection, here's the T-Flex, the full calf wrap version of our much appreciated ReFlex trousers, which, by the way, are FPA Profi approved. The ventilation zipper on the back of the legs will give you an airy feeling and the zipped pockets provide plenty of space for your tools. It's the perfect addition to our Flex range.

### SIZES

Regular, inside leg 82cm: XS - 2XL

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- 1 double pocket for measuring equipment and spark plug combination spanner
- 1 patched left thigh pocket with zip closure
- Ventilation zipper on the back of the legs
- Coated and waterproof Pezatec Aqua reinforcement on the front and below on the back of the trousers (100% Cordura® with 100% polyurethane coating ± 200 g/m<sup>2</sup>)
- Elastic waist with loops for velcro braces (ref. 5SD4)

### COLOUR

- 684 Black/Hi-Vis Yellow

### INTERIOR

- Metal lace hook with elastic to fix on shoe laces
- Waterproof anti-wicking fabric below on top of the protective inlay
- 6 layer front protective inlay and additional calf protection



From more product information, visit:  
<http://sio.to/sipen1xru>





FLEX

## 1XSK

### Working jacket



Matching working jacket with the Flex 1XSP chainsaw trousers. They provide a good visibility thanks to the red and Hi-Vis Yellow surface.

#### SIZES

XS - XXXL

#### COLOUR

• 907 Red/Hi-Vis Yellow

#### EXTERIOR

- Straight collar
- Zip closure
- 2 inset pockets with zip closure
- Sleeve narrowing by press studs
- Back ventilation
- Elongated back tail

# BASFERPRO





# BASEPRO RANGE

*Basic range of modern regular and hi vis chainsaw protective clothing.*

The BasePro range is a **modern collection with a refreshing design.**

This range consists of regular chainsaw protective clothing and a selection of hi-vis chainsaw protective clothing. All models have a polyester / cotton outer fabric.

# BASEPRO PRODUCT OVERVIEW TROUSERS



| Perthus<br>1RP1 | Ventoux 2<br>1RX2 | Ventoux 3<br>1RX3 | Road-<br>runner<br>1RC1 | 1XT2        | Aspin<br>1RG1 | Perthus C<br>1RP6 | Aspin C<br>1RG6 |
|-----------------|-------------------|-------------------|-------------------------|-------------|---------------|-------------------|-----------------|
| see page 75     | see page 76       | see page 77       | see page 78             | see page 79 | see page 80   | see page 84       | see page 85     |

## Standards

|              |                 |                 |                 |                 |                 |                 |                 |                 |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| EN ISO 11393 | Class 1 - 20m/s | Class 2 - 24m/s | Class 3 - 28m/s | Class 1 - 20m/s | -               | Class 1 - 20m/s | Class 1 - 20m/s | Class 1 - 20m/s |
| EN 381       | -               | -               | -               | -               | Class 1 - 20m/s | -               | -               | -               |
| Type         | Type A          | Type A          | Type A          | Type B          | Type A          | Type A          | Type C          | Type C          |
| EN ISO 20471 | -               | -               | -               | -               | -               | -               | -               | -               |
| EN ISO 13688 | ✓               | ✓               | ✓               | ✓               | ✓               | ✓               | ✓               | ✓               |

## Application

|                          |   |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|---|
| Forestry                 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Arboriculture            | - | - | - | - | - | - | - | - |
| Maintenance green spaces | - | - | - | ✓ | ✓ | - | - | - |
| Hunting                  | - | - | - | - | - | - | - | - |

## Technical properties

|                                 |   |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|---|
| Water and dirt repellent finish | - | - | - | - | - | - | - | - |
| Waterproof outer fabric         | - | - | - | - | - | - | - | - |

## Main fabric type

|               |   |   |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|---|---|
| Solid fabric  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2-way stretch | - | - | - | - | - | - | - | - |
| 4-way stretch | - | - | - | - | - | - | - | - |

## Knee reinforcement

|            |   |   |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|---|---|
| Waterproof | - | - | - | - | - | - | - | - |
| Ripstop    | - | - | - | - | - | - | - | - |
| Hydura     | - | - | - | - | - | - | - | - |
| Stretch    | - | - | - | - | - | - | - | - |

## Ventilation

|               |   |   |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|---|---|
| With a mesh   | - | ✓ | ✓ | - | - | - | - | - |
| With a zipper | - | - | - | - | - | - | - | - |

## Comfort

|                                     |       |       |       |       |       |       |       |       |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Stretch (5 = most stretch)          | ●●●●● | ●●●●● | ●●●●● | ●●●●● | ●●●●● | ●●●●● | ●●●●● | ●●●●● |
| Weight (1 = heavy, 5 = lightweight) | ●●●●● | ●●●●● | ●●●●● | ●●●●● | ●●●●● | ●●●●● | ●●●●● | ●●●●● |

## Available colours

|              |                                  |                             |                             |                             |           |  |                             |  |
|--------------|----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------|--|-----------------------------|--|
| Colour codes | 835 Grey<br>Anthracite/<br>Black | 835<br>Anthracite/<br>Black | 835<br>Anthracite/<br>Black | 835<br>Anthracite/<br>Black | G75 Green | 178<br>Anthracite/<br>Black/Hi-Vis<br>Orange | 835<br>Anthracite/<br>Black | 178<br>Anthracite/<br>Black/Hi-Vis<br>Orange |
|              | -                                | -                           | -                           | -                           | -         | -  | -                           | -  |

## Available sizes

### Leg lengths

|                                  |          |          |          |        |     |          |         |         |
|----------------------------------|----------|----------|----------|--------|-----|----------|---------|---------|
| Short, inseam leg length 75 cm   | -        | -        | -        | -      | -   | -        | -       | -       |
| Regular, inseam leg length 82 cm | XS - 4XL | XS - 3XL | XS - 2XL | M - XL | UNI | XS - 4XL | S - 3XL | S - 3XL |
| Tall, inseam leg length 88 cm    | -        | -        | -        | -      | -   | -        | -       | -       |



|                                     |                                       |  |             |                                   |
|-------------------------------------|---------------------------------------|--|-------------|-----------------------------------|
| <b>Perthus Flash</b><br><b>1RQ1</b> | <b>Perthus Flash 3</b><br><b>1RQ3</b> | <b>Roadrunner Flash</b><br><b>1RT1</b> | <b>1ST9</b> | <b>Aspin Flash</b><br><b>1RH1</b> |
| see page 87                         | see page 88                           | see page 89                            | see page 91 | see page 92                       |

|                         |                         |                         |                   |                         |
|-------------------------|-------------------------|-------------------------|-------------------|-------------------------|
| Class 1 - 20m/s         | Class 3 - 28m/s         | Class 1 - 20m/s         | Class 1 - 20m/s   | Class 1 - 20m/s         |
| -                       | -                       | -                       | -                 | -                       |
| Type A                  | Type A                  | Type B                  | Type A            | Type A                  |
| Class 2                 | -                       | Class 2                 | Class 2           | Class 2                 |
| ✓                       | ✓                       | ✓                       | ✓                 | ✓                       |
| ✓                       | ✓                       | ✓                       | ✓                 | ✓                       |
| -                       | -                       | -                       | -                 | -                       |
| -                       | -                       | ✓                       | ✓                 | -                       |
| -                       | -                       | -                       | -                 | -                       |
| -                       | -                       | -                       | -                 | -                       |
| ✓                       | ✓                       | ✓                       | ✓                 | ✓                       |
| -                       | -                       | -                       | -                 | -                       |
| -                       | -                       | -                       | -                 | -                       |
| -                       | -                       | -                       | -                 | -                       |
| -                       | -                       | -                       | -                 | -                       |
| ●●●●                    | ●●●●                    | ●●●●                    | ●●●●              | ●●●●                    |
| ●●●●                    | ●●●●                    | ●●●●                    | ●●●●              | ●●●●                    |
| 386 Hi-Vis Yellow/Black | 386 Hi-Vis Yellow/Black | 386 Hi-Vis Yellow/Black | FC1 Hi-Vis Orange | 386 Hi-Vis Yellow/Black |
| 183 Hi-Vis Orange/Black | 183 Hi-Vis Orange/Black | 183 Hi-Vis Orange/Black | FY1 Hi-Vis Yellow | 183 Hi-Vis Orange/Black |
| -                       | -                       | -                       | -                 | -                       |
| XS - 4XL                | S - 3XL                 | M - XL                  | UNI               | S - 4XL                 |
| -                       | -                       | -                       | -                 | -                       |

## BASEPRO PRODUCT OVERVIEW JACKETS



|                              |                              |                                    |
|------------------------------|------------------------------|------------------------------------|
| <b>Sarnac</b><br><b>1RK1</b> | <b>Portet</b><br><b>1RJ1</b> | <b>Portet Flash</b><br><b>1RI1</b> |
| see page 81                  | see page 81                  | see page 93                        |

### Standards

|              |        |                 |                 |
|--------------|--------|-----------------|-----------------|
| EN ISO 11393 | -      | Class 1 - 20m/s | Class 1 - 20m/s |
| Type         | -      | Type A          | Type A          |
| EN ISO 13688 | ✓      | ✓               | ✓               |
| EN ISO 17353 | Type A | Type A          | -               |
| EN ISO 20471 | -      | -               | ✓               |

### Application

|                          |   |   |   |
|--------------------------|---|---|---|
| Forestry                 | ✓ | ✓ | ✓ |
| Arboriculture            | - | - | - |
| Maintenance green spaces | - | - | - |
| Hunting                  | - | - | - |

### Technical properties

|                                 |   |   |   |
|---------------------------------|---|---|---|
| Water and dirt repellent finish | - | - | - |
| Waterproof outer fabric         | - | - | - |

### Main fabric type

|               |   |   |   |
|---------------|---|---|---|
| Solid fabric  | ✓ | ✓ | ✓ |
| 2-way stretch | - | - | - |
| 4-way stretch | - | - | - |

### Reinforcements

|            |   |   |   |
|------------|---|---|---|
| Waterproof | - | - | - |
| Ripstop    | - | - | - |

### Hydura

|  |   |   |   |
|--|---|---|---|
|  | - | - | - |
|--|---|---|---|

### Ventilation

|                     |   |   |   |
|---------------------|---|---|---|
| Underarm by opening | - | - | - |
| Underarm by zipper  | - | - | - |
| Back ventilation    | ✓ | ✓ | ✓ |

### Comfort

|                                     |      |      |      |
|-------------------------------------|------|------|------|
| Stretch (5 = most stretch)          | ●●●● | ●●●● | ●●●● |
| Weight (1 = heavy, 5 = lightweight) | ●●●● | ●●●● | ●●●● |

### Available colours

|                              |                              |                         |
|------------------------------|------------------------------|-------------------------|
| 130 Hi-Vis Orange/Anthracite | 130 Hi-Vis Orange/Anthracite | 386 Hi-Vis Yellow/Black |
|                              |                              | 183 Hi-Vis Orange/Black |

### Available sizes

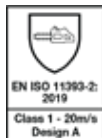
|         |         |         |
|---------|---------|---------|
| S - 3XL | S - 3XL | S - 3XL |
|---------|---------|---------|



1RP1 - BASEPRO

# Perthus

## Chainsaw trousers, class 1 type A



Looking for basic chainsaw protective trousers without the bells, whistles and higher comfort stretch chainsaw trousers can provide? Look no further than our SIP Protection BasePro chainsaw trousers. The outer fabric is composed of a regular polyester cotton fabric, perfectly suitable for temporary or seasonal forestry work. Don't be mistaken however. The BasePro trousers, which are the most economic pair of SIP Protection trousers of our range, still provide the comfort you want, the protection you need and the quality you expect from SIP Protection!

### SIZES

Regular, inside leg 82cm: XS - 4XL

### EXTERIOR

- Front fly with zip closure - closing by 1 button
- 2 inset pockets
- 1 patched pocket with zipper on the back
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Back bib with loops for braces ref. 5SD4
- Triple-needle stitching on the back seam to the inside leg

### COLOUR

- 835 Anthracite/Black

### INTERIOR

- Polyester - cotton lining (65% Polyester - 35% Cotton 85 g/m<sup>2</sup>)
- 6 layer front protective inlay



From more product informaton, visit:  
<http://sio.to/sipen1rp1>

# Ventoux 2

## Ventilated chainsaw trousers, class 2 type A



The Ventoux 2 chainsaw trousers are an excellent compromise between safety and comfort. Safety because they offer a higher level of chainsaw protection compared to the widely spread class 1 protective trousers. Comfort because of the ventilation mesh on the back of the legs - you'll thank us for this in warm weather – and because of the lighter weight. The trousers are lighter and less bulky compared to a pair of class 3 chainsaw trousers, which are very often overqualified for the occasion. In addition the Ventoux 2 offers all the features that characterize the BasePro range: excellent fit, lightweight PES/COT outer fabric and all the necessary pockets for your comfort.



### SIZES

Regular, inside leg 82cm: XS - 3XL

### EXTERIOR

- Front fly with zip closure - closing by 1 button
- 2 inset pockets
- 1 patched back pocket
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Back bib with loops for braces ref. 5SD4

### COLOUR

- 835 Anthracite/Black

### INTERIOR

- Polyester - cotton lining (65% Polyester - 35% Cotton 85 g/m<sup>2</sup>)
- 7 layer protective inlay

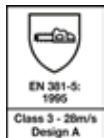


From more product informaton, visit:  
<http://sio.to/sipen1rx2>

1RX3 - BASEPRO

# Ventoux 3

## Ventilated chainsaw trousers, class 3 type A



Thanks to its class 3 certification, these Ventoux 3 chainsaw trousers offer a very high protection level. To offset the higher weight and especially higher heat accumulation that come naturally with higher chainsaw protective trousers, these class 3 BasePro chainsaw trousers are equipped with a large ventilation mesh fabric at the back. Just as the Ventoux 2 does, this pair offers all features that characterise the BasePro range: an excellent fit, lightweight PES/COT outer fabric and plenty of pocket space.

### SIZES

Regular, inside leg 82cm: XS - 2XL

### EXTERIOR

- Front fly with zip closure - closing by 1 button
- 2 inset pockets
- 1 patched back pocket
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Back bib with loops for braces ref. 5SD4
- Triple-needle stitching on the back seam to the inside leg

### COLOUR

- 835 Anthracite/Black

### INTERIOR

- Polyester - cotton lining (65% Polyester - 35% Cotton 85 g/m<sup>2</sup>)
- 9 layer protective inlay



From more product informaton, visit:  
<http://sio.to/sipen1rx3>

# Roadrunner

## Chainsaw chaps, class 1 type B



Because a bit of culture hardly ever did any harm, here's how we got to the name "Roadrunner". Chainsaw protective chaps come in handy where chainsaw trousers fall short for a quick chainsaw job. Their biggest advantage is that you can quickly click and unclick them over regular working trousers or denim if you prefer. Or even on top of your shorts during hot weather. Thanks to the adjustable straps at the back of the legs, 2 sizes (M for all sizes up to XL and L for all sizes from XL upwards) suffice to fit nearly all. The Roadrunner bird, also named "CHAParral bird" is known to be one of the fastest running birds on earth. The Native American tribe "Hopi" believed the "CHAParral bird" protected them against evil spirits. All we know is that they will protect you against nasty cuts. Protection, CHAParral bird, quick...the name Roadrunner was born. BEEP BEEP!

### SIZES

M - XL

### EXTERIOR

- Loops for belt
- Closing by elasticated belt and buckle

### COLOUR

- 835 Anthracite/Black

### INTERIOR

- 6 layer front protective inlay



### COMING SOON

**1RC2 - BASEPRO**  
**Roadrunner class 2**



From more product information, visit:  
<http://sio.to/sipen1rc1>

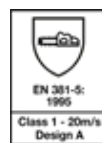




BASEPRO

## 1XT2

### Chainsaw leggings, class 1 type A



*This pair are the best priced chainsaw leggings in our SIP Protection range. These unisex trousers have a zip closure at the back of the legs that closes from top to bottom.*

#### SIZES

UNI

#### COLOUR

• G75 Green

#### EXTERIOR

- Zip closure (top to bottom to close) at the back of the legs
- Closing by elasticated belt and buckle
- possibility to widen with widener 1RLX

#### INTERIOR

- Polyester - cotton lining (65% Polyester - 35% Cotton 85 g/m<sup>2</sup>)
- 6 layer front protective inlay

1RG1 - BASEPRO

# Aspin

## Chainsaw bib&braces, class 1 type A



*Looking for basic chainsaw protective bib&braces? Look no further than our SIP Protection BasePro product range. The outer fabric is composed of a regular polyester cotton fabric, perfectly suitable for temporary or seasonal forestry work. Don't be mistaken however. The BasePro bib&braces, which are the most economic pair of SIP Protection bib&braces of our range, still provide the comfort you want, the protection you need and the quality you expect from SIP Protection!*

### SIZES

Regular, inside leg 82cm: XS - 4XL

### COLOUR

- 178 Anthracite/Black/Hi-Vis Orange

### EXTERIOR

- Front fly with zipper
- 2 inset pockets
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- Closing right side with zipper and button
- Elasticated backside of the waist
- 2 elasticated adjustable braces with closure by buckles
- Front bib with pocket and vertical zipper on the right hand side
- Triple-needle stitching on the back seam to the inside leg
- Large back bib

### INTERIOR

- 6 layer front protective inlay



From more product informaton, visit:  
<http://sio.to/sipen1rg1>



1RK1 - BASEPRO

## Sarnac

### Working jacket



The BasePro working jacket combines functionality with comfort thanks to ergonomic fit. The Hi-Vis orange fabric assures high visibility in every working environment.

**SIZES**

S - XXXL

**COLOUR**

• 130 Hi-Vis Orange/Anthracite

**EXTERIOR**

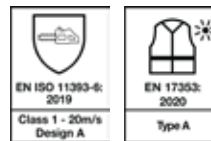
- Short and straight collar
- Zip closure
- 2 inset pockets with zip closure
- Sleeve narrowing by press studs
- Back ventilation
- Elongated back tail



1RJ1 - BASEPRO

## Portet

### Chainsaw jacket, class 1



Looking for a basic chainsaw jacket without the bells, whistles and high comfort a stretch chainsaw jacket can provide? Look no further than our SIP Protection BasePro chainsaw jackets. The outer fabric is composed of a regular polyester cotton fabric, perfectly suitable for temporary or seasonal forestry work. Don't be mistaken however. The BasePro chainsaw jackets, which are the most economic pair of SIP Protection jackets of our range, still provide the comfort you want, the protection you need and the quality you expect from SIP Protection.

**SIZES**

S - XXXL

**COLOUR**

• 130 Hi-Vis Orange/Anthracite

**EXTERIOR**

- Short and straight collar
- Zip closure
- 2 inset pockets with zip closure
- Sleeve narrowing by press studs
- Back ventilation
- Elongated back tail

**INTERIOR**

- 8 layer arm-, shoulder- and chest protection to EN ISO 11393





# Perthus C

## Chainsaw trousers, class 1 type C



The Perthus C chainsaw trousers offering an all-round 360° protection. Extremely resistant thanks to the robust PES/COT outer fabric and the classic SIP Protection triple needle stitching in the back seam.

### SIZES

Regular, inside leg 82cm: S - 3XL

### EXTERIOR

- Front fly with zip closure - closing by 1 button
- 2 inset pockets
- 1 patched pocket with zipper on the back
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Back bib with loops for braces ref. 5SD4
- Triple-needle stitching on the back seam to the inside leg

### COLOUR

- 835 Anthracite/Black

### INTERIOR

- Polyester - cotton lining (65% Polyester - 35% Cotton 85 g/m<sup>2</sup>)
- 6 layer allround protective inlay



From more product informaton, visit:  
<http://sio.to/sipen1rp6>

1RG6 - BASEPRO

# Aspin C

## Chainsaw bib&braces, class 1 type C



Our Aspin C chainsaw bib & brace offering an all-round 360° protection. Resistant thanks to the robust PES/COT outer fabric and the classic SIP Protection triple needle stitching in the back seam. Back bib and front bib which is equipped with a large and functional zip-closure pocket.

### SIZES

Regular: S - 3XL

### EXTERIOR

- Front fly with zipper
- 2 inset pockets
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- Closing right side with zipper and button
- Elasticated backside of the waist
- 2 elasticated adjustable braces with closure by buckles
- Front bib with pocket and vertical zipper on the right hand side
- Triple-needle stitching on the back seam to the inside leg
- Large back bib

### COLOUR

- 178 Anthracite/Black/Hi-Vis Orange

### INTERIOR

- Polyester - cotton lining (65% Polyester - 35% Cotton 85 g/m<sup>2</sup>)
- 6 layer allround protective inlay



From more product informaton, visit:  
<http://sio.to/sipen1rg6>





1RQ1 - BASEPRO

# Perthus Flash

HV chainsaw trousers, EN ISO 11393 class 1 type A, EN ISO 20471 class 2



The outer fabric of the HV BasePro chainsaw trousers is composed of a regular polyester cotton fabric, perfectly suitable for temporary or seasonal forestry work. Don't be mistaken however. The BasePro trousers, the most economic pair of SIP Protection trousers of our range, still provide the comfort you want, the protection you need and the quality you expect from SIP Protection.

## SIZES

Regular, inside leg 82cm: XS - 4XL

## EXTERIOR

- Front fly with zip closure - closing by 1 button
- 2 inset pockets
- 1 patched pocket with zipper on the back
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Back bib with loops for braces ref. 5SD4
- Triple-needle stitching on the back seam to the inside leg

## COLOUR

- 386 Hi-Vis Yellow/Black
- 183 Hi-Vis Orange/Black

## INTERIOR

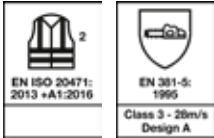
- Polyester - cotton lining (65% Polyester - 35% Cotton 85 g/m<sup>2</sup>)
- 6 layer front protective inlay



From more product information, visit:  
<http://sio.to/sipen1rq1>

# Perthus Flash 3

HV chainsaw trousers, EN 381 class 3 type A,  
EN ISO 20471 class 2



The Hi-Vis class 3 BasePro chainsaw trousers have been developed to provide the highest possible frontal chainsaw protection. The outer fabric is composed of a regular polyester cotton fabric, perfectly suitable for temporary or seasonal forestry work. The BasePro trousers, which are the most economic pair of SIP Protection trousers of our range provide you the protection you need and the quality you expect from SIP Protection.

## SIZES

Regular, inside leg 82cm: S - 3XL

## EXTERIOR

- Front fly with zip closure - closing by 1 button
- 2 inset pockets
- 1 patched pocket with zipper on the back
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Back bib with loops for braces ref. 5SD4
- Triple-needle stitching on the back seam to the inside leg

## COLOUR

- 386 Hi-Vis Yellow/Black
- 183 Hi-Vis Orange/Black

## INTERIOR

- Polyester - cotton lining (65% Polyester - 35% Cotton 85 g/m<sup>2</sup>)
- 9 layer protective inlay



From more product informaton, visit:  
<http://sio.to/sipen1rq3>

1RT1 - BASEPRO

# Roadrunner Flash

HV chainsaw chaps, EN ISO 11393 class 1 type B, EN ISO 20471 class 2



Because a bit of culture hardly ever did any harm, here's how we got to the name "Roadrunner Flash". Chainsaw protective chaps come in handy where chainsaw trousers fall short for a quick chainsaw job. Their biggest advantage is that you can quickly click and unclick them over regular working trousers or denim if you prefer. Or even on top of your shorts during hot weather. Thanks to the adjustable straps at the back of the legs, 2 sizes (M for all sizes up to XL and L for all sizes from XL upwards) suffice to fit nearly all. The Roadrunner bird, also named "CHAParral bird" is known to be one of the fastest running birds on earth. The Native American tribe "Hopi" believed the "CHAParral bird" protected them against evil spirits. All we know is that they will protect you against nasty cuts. Protection, CHAParral bird, quick...the name Roadrunner Flash was born. BEEP BEEP!!

## SIZES

M - XL

## COLOUR

- 386 Hi-Vis Yellow/Black
- 183 Hi-Vis Orange/Black

## EXTERIOR

- Loops for belt
- Knee reinforcements
- Zip closure at leg end
- Closing by elasticated belt and buckle

## INTERIOR

- 6 layer front protective inlay



From more product information, visit:  
<http://sio.to/sipen1rt1>



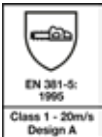




## BASEPRO

## 1ST9

HV chainsaw leggings, EN 381 class 1 type A, EN ISO 20471 class 2



Traditional Hi-Vis one size fits all chainsaw leggings in accordance with EN ISO 20471 class 2. Closing by means of separate reference leather belt. Very user-friendly thanks to the smoothly running zipper.

## SIZES

UNI

## COLOUR

- FC1 Hi-Vis Orange
- FY1 Hi-Vis Yellow

## EXTERIOR

- Zip closure (top to bottom to close) at the back of the legs
- Loops for belt

## INTERIOR

- Polyester - cotton lining (65% Polyester - 35% Cotton 85 g/m<sup>2</sup>)
- 6 layer front protective inlay



## BASEPRO

## 1SX9

Broadeners for chainsaw leggings 1ST9

This zip-up leg widener can be zipped in our leggings. It adds an extra 9 cm to the leggings, so they can fit every size. Sheer practicality!

## SIZES

UNI

## COLOUR

- FC1 Hi-Vis Orange

## EXTERIOR

- Can be zipped in legging 1ST9

## INTERIOR

- Polyester - cotton lining (65% Polyester - 35% Cotton 85 g/m<sup>2</sup>)

# Aspin Flash

HV chainsaw bib&braces, EN ISO 11393 class 1 type A, EN ISO 20471 class 2



Looking for basic chainsaw protective Hi-Vis bib&braces? Look no further than our SIP Protection BasePro product range. The outer fabric is composed of a regular polyester cotton fabric, perfectly suitable for temporary or seasonal work with a chainsaw. Don't be mistaken however. The BasePro bib&braces, which are the most economic pair of SIP Protection bib&braces of our range, still provide the comfort you want, the protection you need and the quality you expect from SIP Protection.

## SIZES

Regular: S - 4XL

## EXTERIOR

- Front fly with zipper
- 2 inset pockets
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- Closing right side with zipper and button
- Elasticated backside of the waist
- 2 elasticated adjustable braces with closure by buckles
- Front bib with pocket and vertical zipper on the right hand side
- Triple-needle stitching on the back seam to the inside leg
- Large back bib

## COLOUR

- 386 Hi-Vis Yellow/Black
- 183 Hi-Vis Orange/Black

## INTERIOR

- 6 layer front protective inlay



From more product information, visit:  
<http://sio.to/sipen1rh1>

1R11 - BASEPRO

# Portet Flash

HV chainsaw jacket, EN ISO 11393 class 1, EN ISO 20471 class 3



The outer fabric of the BasePro Hi-Vis chainsaw jacket is composed of a regular polyester cotton fabric, perfectly suitable for temporary or seasonal forestry work along the public road. Don't be mistaken. The BasePro chainsaw jackets, the most economic pair of SIP Protection jackets of our range, still provide the comfort you want, the protection you need and the quality you expect from SIP Protection.

## SIZES

S - XXXL

## EXTERIOR

- Short and straight collar
- Zip closure
- 2 inset pockets with zip closure
- Sleeve narrowing by press studs
- Back ventilation
- Elongated back tail

## COLOUR

- 386 Hi-Vis Yellow/Black
- 183 Hi-Vis Orange/Black

## INTERIOR

- 8 layer arm-, shoulder- and chest protection



From more product informaton, visit:  
<http://sio.to/sipenr11>

# OUTDOOR





# OUTDOOR RANGE

*Be prepared to face the elements when you are handling the chainsaw. Or after hours.*

Our Outdoor range protects you from the wet weather conditions you might face while working with a chainsaw.

The Outdoor range contains softshell jackets, waterproof rain jackets, rain trousers, tree climbing trousers and trousers with protection against wild boar tusks, among others.

# OUTDOOR PRODUCT OVERVIEW TROUSERS



| Gecko       |              |              |              | Tracker      | Tracker Defense | Keiu         |              |
|-------------|--------------|--------------|--------------|--------------|-----------------|--------------|--------------|
| 1SS5        | 1SSP         | 1SSH         | 1SSV         | 1SSR         | 1SRV            | 1SRR         | 1SP4         |
| see page 99 | see page 100 | see page 101 | see page 101 | see page 103 | see page 105    | see page 109 | see page 113 |

## Standards

|              |   |   |   |   |   |   |   |
|--------------|---|---|---|---|---|---|---|
| EN ISO 20471 | - | - | ✓ | - | - | - | - |
| EN ISO 13688 | - | - | ✓ | - | ✓ | ✓ | ✓ |

## Application

|                          |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|
| Forestry                 | - | - | - | - | - | ✓ | ✓ |
| Arboriculture            | ✓ | ✓ | ✓ | ✓ | - | ✓ | ✓ |
| Maintenance green spaces | - | - | - | - | ✓ | ✓ | ✓ |
| Hunting                  | - | - | - | - | ✓ | - | ✓ |

## Technical properties

|                                 |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|
| Water and dirt repellent finish | ✓ | ✓ | ✓ | ✓ | ✓ | - | - |
| Waterproof outer fabric         | - | - | - | - | - | ✓ | ✓ |

## Main fabric type

|               |   |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|---|
| Solid fabric  | - | - | - | ✓ | - | ✓ | - |
| 2-way stretch | - | - | - | - | - | - | ✓ |
| 4-way stretch | ✓ | ✓ | ✓ | - | ✓ | - | - |

## Knee and knee reinforcement

|            |   |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|---|
| Waterproof | - | ✓ | ✓ | - | ✓ | ✓ | - |
| Ripstop    | - | - | - | - | ✓ | ✓ | - |
| Stretch    | ✓ | ✓ | ✓ | ✓ | - | - | ✓ |

## Ventilation

|               |   |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|---|
| With a mesh   | - | - | - | - | - | - | - |
| With a zipper | ✓ | - | - | - | ✓ | ✓ | - |

## Gaiters

|     |   |   |   |   |   |   |   |
|-----|---|---|---|---|---|---|---|
| Yes | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| No  | - | - | - | - | - | - | ✓ |

## Comfort

|                                     |      |      |      |      |      |      |      |
|-------------------------------------|------|------|------|------|------|------|------|
| Stretch (5 = most stretch)          | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● |
| Weight (1 = heavy, 5 = lightweight) | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● |

## Available colours

|              |                      |                       |                         |                      |                       |                       |                         |                 |
|--------------|----------------------|-----------------------|-------------------------|----------------------|-----------------------|-----------------------|-------------------------|-----------------|
| Colour codes | 282 Dragonfly Blue   | 835 Anthracite/Black  | 183 Hi-Vis Orange/Black | 835 Anthracite/Black | 834 Khaki Green/Black | 834 Khaki Green/Black | NS0 Black               | A41 Green Khaki |
|              | 283 Bumblebee Yellow | 833 Red/Black         | -                       | -                    | 835 Anthracite/Black  | 833 Red/Black         | 146 Black/Hi-Vis Orange | -               |
|              | 284 Burgundy Red     | 834 Khaki Green/Black | -                       | -                    | -                     | -                     | -                       | -               |
|              | 289 Komodo Khaki     | -                     | -                       | -                    | -                     | -                     | -                       | -               |

## Available sizes

### Leg lengths

|                                  |         |          |         |          |             |         |          |         |
|----------------------------------|---------|----------|---------|----------|-------------|---------|----------|---------|
| Short, inseam leg length 75 cm   | -       | -        | -       | -        | 78: S - XL  | -       | -        | -       |
| Regular, inseam leg length 82 cm | XS - XL | XS - 2XL | S - 3XL | XS - 2XL | 85: S - 2XL | S - 2XL | XS - 3XL | S - 2XL |
| Tall, inseam leg length 88 cm    | -       | -        | -       | -        | 92: S - XL  | -       | -        | -       |

# OUTDOOR PRODUCT OVERVIEW OTHER



| Keiu         | Keiu HV      |              | Fuyu         | Tibet        | Tundra       |              |              |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1SLR         | 1SMR         | 1SJ3         | 1SWS         | 561A         | 653A         | 397A         | 697A         |
| see page 108 | see page 111 | see page 113 | see page 115 | see page 117 | see page 121 | see page 123 | see page 123 |

### Standards

|              |        |         |        |        |   |   |   |
|--------------|--------|---------|--------|--------|---|---|---|
| EN ISO 20471 | -      | Class 3 | -      | -      | - | - | - |
| EN ISO 13688 | ✓      | ✓       | ✓      | ✓      | - | ✓ | - |
| EN ISO 17353 | Type A | -       | Type A | Type A | - | - | - |

### Application

|                          |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|
| Forestry                 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Arboriculture            | ✓ | - | - | - | - | ✓ | - |
| Maintenance green spaces | ✓ | - | ✓ | - | - | ✓ | - |
| Hunting                  | ✓ | - | ✓ | - | - | ✓ | - |

### Technical properties

|                                 |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|
| Water and dirt repellent finish | - | - | - | - | - | - | - |
| Waterproof outer fabric         | ✓ | ✓ | ✓ | ✓ | - | - | - |

### Main fabric type

|               |   |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|---|
| Solid fabric  | ✓ | ✓ | - | ✓ | - | ✓ | ✓ |
| 2-way stretch | - | - | ✓ | - | ✓ | - | - |
| 4-way stretch | - | - | - | - | - | - | - |

### Reinforcements

|            |   |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|---|
| Waterproof | - | - | - | ✓ | - | - | - |
| Ripstop    | - | - | - | ✓ | - | - | - |

### Ventilation

|                     |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|
| Underarm by opening | - | - | - | ✓ | ✓ | - | - |
| Underarm by zipper  | ✓ | ✓ | - | - | - | - | - |
| Back ventilation    | ✓ | ✓ | - | - | - | - | - |

### Comfort

|         |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|
| Stretch | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● |
| Weight  | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● |

### Available colours

|                         |                         |                               |                         |                         |                     |                         |                         |
|-------------------------|-------------------------|-------------------------------|-------------------------|-------------------------|---------------------|-------------------------|-------------------------|
| 570 Hi-Vis Orange/Black | 570 Hi-Vis Orange/Black | 041 Green Khaki/Hi-Vis Orange | 570 Hi-Vis Orange/Black | 768 Hi-Vis Yellow/Red   | CB1 Hi-Vis Orange   | 844 Hi-Vis Yellow/ Red  | 844 Hi-Vis Yellow/ Red  |
| 768 Hi-Vis Yellow/Red   | -                       | -                             | 768 Hi-Vis Yellow/Red   | 570 Hi-Vis Orange/Black | DB1 Burgundy Red    | 914 Hi-Vis Orange/ Grey | 914 Hi-Vis Orange/ Grey |
| -                       | -                       | -                             | NS0 Black               | -                       | MB2 Silver Fox Grey | -                       | -                       |
| -                       | -                       | -                             | -                       | -                       | TB2 Dragonfly Blue  | -                       | -                       |

### Available sizes

|          |          |         |         |          |       |       |       |
|----------|----------|---------|---------|----------|-------|-------|-------|
| XS - 3XL | XS - 3XL | S - 3XL | S - 3XL | XS - 2XL | S-2XL | S-3XL | S-3XL |
|----------|----------|---------|---------|----------|-------|-------|-------|



1SS5 - OUTDOOR

# Gecko

## Climbing trousers



Climb your way up with the new Gecko trousers! The flexible, light and robust fabric has you covered in 3 splendid color combinations. With ventilation mesh around the ankles, the side pockets and on the lower legs, you'll get yourself a refreshing pair of climbing trousers.

### SIZES

Regular, inside leg 82cm: XS - XL

### COLOUR

- 282 Dragonfly Blue
- 283 Bumblebee Yellow
- 284 Burgundy Red
- 289 Komodo Khaki

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- Loops for belt
- 1 inset thigh pocket with zip closure
- 1 inset back pocket with flap and closed by zipper
- Elasticated waist
- Triple-needle stitching on the back seam to the inside leg



From more product information, visit:  
<http://sipen1ss5>



OUTDOOR

# 1SSP

## Climbing trousers

These climbing trousers without chainsaw protection unite the key features of the Progress range. They have proven their value thanks to the 4 way rip stop **TeXXion** outer fabric with **Teflon**® finish, zipped pockets and **Armortex**® **Light** stretch reinforcements on the knees.

### SIZES

XS - XXL

### COLOUR

- 835 Anthracite/Black
- 833 Red/Black
- 834 Khaki Green/Black

### EXTERIOR

- Front fly with zip closure - closing by 2 metal buttons
- 2 inset pockets with zip closure
- 1 inset thigh pocket with zip closure
- 1 inset back pocket with flap and closed by zipper
- 1 patched smartphone pocket with waterproof lining on the right leg with splash proof zip closure
- Leg narrowing below by touch and close fastening
- Elasticated waist
- Bib in back
- Triple-needle stitching on the back seam to the inside leg

### INTERIOR

- Elasticated gaiter with metal lace hook to fix on shoe laces
- Foam in the back bib for an enhanced comfort



From more product informaton, visit:  
<http://sio.to/sipen1ssp>

ARMORTEX®

TEXXION





OUTDOOR

# 1SSH

## HV climbing trousers, EN ISO 20471 class 2



These EN ISO 20471 class 2 climbing trousers without chainsaw protection unite the key features of the Progress range. Thanks to the 4 way rip stop **TeXXion** outer fabric free movement is guaranteed and the durable **Teflon™** finish is water- dirt and oil repellent. Zipped pockets and **Armortex® Light** stretch reinforcements on the knees.

### SIZES

S - XXXL

### EXTERIOR

- Front fly with zip closure - closing by 2 metal buttons
- 2 inset pockets with zip closure
- 1 inset thigh pocket with zip closure
- 1 inset back pocket with flap and closed by zipper
- 1 patched smartphone pocket with waterproof lining on the right leg with splash proof zip closure
- 1 ruler pocket with flap closed by concealed press studs

### COLOUR

- 183 Hi-Vis Orange/Black

- Leg narrowing below by touch and close fastening
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Bib in back with buttons for braces
- Triple-needle stitching on the back seam to the inside leg

### INTERIOR

- Elasticated gaiter with metal lace hook to fix on shoe laces
- Foam in the back bib for an enhanced comfort

ARMORTEX

TEXXION



OUTDOOR

# 1SSV

## Climbing trousers

*Fabulously light climbing trousers. The perfect balance between very light yet robust fabrics that offer an unrivalled flexibility. They are made of a high performance **Pezatec/Pezaflex** outer fabric for an excellent durability. The fabric has a water- & soil repellent **Teflon®** finish. Zippers minimize the infiltration of sawdust on all pockets.*

### SIZES

XS - XXL

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- Loops for belt
- 1 inset thigh pocket with zip closure
- 1 inset back pocket with flap and closed by zipper
- Elasticated waist
- Triple-needle stitching on the back seam to the inside leg

### COLOUR

- 835 Anthracite/Black

### INTERIOR

- 1 inset smartphone pocket with zip closure on the right thigh
- Elasticated gaiter with metal lace hook to fix on shoe laces

pezaflex

pezatec







1SSR - OUTDOOR

# Tracker

## Outdoor ripstop trousers

Better experience the action wearing the Tracker trousers! They are perfect for all sorts of activities when not handling the chainsaw such as making your way through thorns in the forest or as very heavy duty working trousers. Just not your regular ones...Although the Tracker is not a pair of rain trousers like the Keiu, the full ripstop and waterproof **Tektor** reinforcements on the lower legs will keep you dry and comfortable when walking through wet grass. The trousers also have an extremely high wear and tear resistance. The ventilation zippers at the back of the legs allow an air flow when needed and a perfect fitting is assured thanks to a wide variety of available sizes and leg lengths.

### SIZES

Short, inside leg 78cm: S - XL  
 Regular, inside leg 85cm: S - 2XL  
 Tall, inside leg 92cm: S - XL

### EXTERIOR

- Front fly with zip closure - closing by hook and eye and press stud
- 2 inset pockets with zip closure
- 1 inset back pocket with flap and closed by zipper
- 1 inset thigh pocket with zip closure
- 1 patched smartphone pocket with waterproof lining on the right leg with splash proof zip closure
- Leg narrowing below by touch and close fastening
- Elasticated waist with loops for belt and loops for velcro braces (ref. 5SD4)
- Back bib with loops for braces ref. 5SD4
- Triple-needle stitching on the back seam to the inside leg

### COLOUR

- 834 Khaki Green/Black
- 835 Anthracite/Black

### INTERIOR

- Elasticated gaiter with metal lace hook to fix on shoe laces



From more product information, visit:  
<http://sio.to/sipen1ssr>


**TEKTOR**



1SRV - OUTDOOR

# Tracker Defense

## Trousers with protection against wild boar tusks

Every hunter has either experienced it him-or herself or knows somebody who's had the experience : being attacked by a wild boar. The result of those kind of attacks prove how unpredictable these animals can be and shows the necessity of proper protection. Especially to protect you against these attacks we have developed the Tracker Defense hunting trousers. They are the result of intense and thorough testing both in a laboratory to develop the right anti-penetration inlay as well as field tests to provide these trousers with an excellent fit. The boar protection inside on the whole front of the trousers and on the back up to the back of the knee, The protection is developed to first absorb the impact of a raging wild boar and minimize the consequent risk of the penetration of the tusks. Of course, they are excellent tracking trousers in the first place which will offer great comfort and satisfaction at all times!

### SIZES

Regular, inside leg 82cm: S - 2XL

### EXTERIOR

- Front fly with zip closure - closing by 2 metal buttons
- 2 inset pockets with zip closure
- 1 inset pocket on the back with zip closure
- 1 patched thigh pocket with flap closed by hidden press studs
- 1 patched knife pocket
- Reinforcement at knee and inside of ankle
- Adjustable waist with loops for belt and loops for braces
- Back bib with loops for braces ref. 5SD4
- Triple-needle stitching on the back seam to the inside leg

### COLOUR

- 834 Khaki Green/Black
- 833 Red/Black

### INTERIOR

- Nylnet lining for an optimal wearing comfort (100% polyester)
- Elasticated gaiter with metal lace hook to fix on shoe laces
- Hi-Tech anti-perforation reinforcement on the entire frontside of the trousers and at the back up until the hollow of the knees. With overlap of seams.



From more product information, visit:  
<http://sio.to/sipen1srv>



**TEKTOR**

**TEXION**



1SXT - OUTDOOR

# X-Tick

## Gaiters



STOP

The robust X-Tick gaiters are composed of a robust tear resistant fabric containing **Cellsolution**® Protection fibers. The unique properties of these gaiters provide an effective and a durable protection against insects such as ticks that may carry the bacteria known to provoke Lyme disease. Through its unique procedure of manufacturing and thus unique properties of the **Cellsolution**® Protection fibres, the tick killing properties of the permethrin inherent fibre lasts much longer but with low permethine levels than traditional and superficially threated fabrics with permethrin. Additionally, being a textile with a OEKO-TEX® Standard 100 class 1 certificate which approves the handling by toddlers, skin irritation is minimized to a bare minimum or even totally excluded when handling the gaiters.

### SIZES

UNI

### COLOUR

- R26 Red

### EXTERIOR

- Zip closure under flap with touch & close fastening
- Metal cable and single prong closure for firm fixing under safety boots
- Anti-skid elastic and tensioning elastic with stop-cord

### INTERIOR

- Metal hook to fix on shoe laces

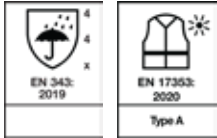


From more product informaton, visit:  
<http://sipen1sxt>

1SLR - OUTDOOR

# Keiu

## Rain jacket, EN 343



The Japanese have no less than 50 words to describe rain. Our Keiu rain jacket was named after the first “welcome rain” after a long period of drought. While wearing our new Keiu jacket you will welcome the rain. The jacket is fully waterproof and breathable; this will make the jacket more comfortable to wear without getting too hot while working. Its ergonomic fit is modern and stylish. The fluorescent orange makes sure that you can be seen in daylight as well as night time. In addition the jacket has good styling details, ventilation zippers, a hood that is stored in the collar, deep pockets and an extended back to avoid rain running into the back of your trousers. So welcome rain!



### SIZES

XS - XXXL

### COLOUR

- 570 Hi-Vis Orange/Black
- 768 Hi-Vis Yellow/Red

### EXTERIOR

- Straight collar with drawstring
- Foldaway hood in collar
- Zip closure under double flap with press studs
- 1 vertical inset pocket with zip closure on the chest
- 2 inset pockets with zip closure
- Sleeve narrowing system by touch and close fastening
- Elastic drawstring in hem
- Elongated back tail

### INTERIOR

- Nylinet lining for an optimal wearing comfort (100% polyester)
- 1 large inside pocket with zipper
- Zipper in back lining for applying logo or personalisation



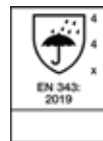
From more product informaton, visit:  
<http://sio.to/sipen1slr>



1SRR - OUTDOOR

## Keiu

Rain trousers, EN 343 class 4 4



### SIZES

XS - XXXL

### COLOUR

• NS0 Black

### EXTERIOR

• Closing by elastic and integrated drawstring around the waist

### INTERIOR

• Nylon lining 70 g/m<sup>2</sup>

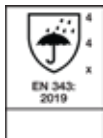




1SMR - OUTDOOR

# Keiu HV

HV rain jacket, EN 343 class 4, EN ISO 20471 class 3



The Japanese have no less than 50 words to describe rain. Our Keiu HV rain jacket was named after the first welcome rain after a long period of drought. While wearing our new Keiu jacket you will welcome the rain. The jacket is fully waterproof and breathable; this will make the jacket more comfortable to wear without getting too hot while working. Its ergonomic fit is modern and stylish. This jacket is EN ISO 20471 class 3 certified which assures you high visibility in daylight as well as at night. In addition the jacket has good styling details, ventilation zippers, a hood that is stored in the collar, deep pockets and an extended back to avoid rain running into the back of your trousers. So welcome rain!

## SIZES

XS - XXXL

## COLOUR

- 570 Hi-Vis Orange/Black

## EXTERIOR

- Straight collar with drawstring
- Foldaway hood in collar
- Zip closure under double flap with press studs
- 1 vertical inset pocket with zip closure on the chest
- 2 inset pockets with zip closure
- Sleeve narrowing system by touch and close fastening
- Elastic drawstring in hem
- Elongated back tail

## INTERIOR

- 1 large inside pocket with zipper
- Zipper in back lining for applying logo or personalisation



From more product information, visit:  
<http://sio.to/sipen1smr>

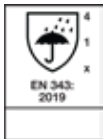




OUTDOOR

1SJ3

EN343: 2019 class 4 - 1 rain jacket



This **Flexothane**® rain jacket offers an excellent protection against rain and wind. Flexible, noiseless and very durable.

**SIZES**

S - XXXL

**COLOUR**

• 041 Green Khaki/Hi-Vis Orange

**EXTERIOR**

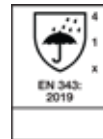
- Foldaway hood in collar
- Zip closure under flap with press studs
- 1 patched pocket with flap on the front, closing by press studs
- Elongated back tail with rain gutter
- High frequency welded seams



OUTDOOR

1SP4

EN343: 2019 class 4 - 1 rain trousers



These **Flexothane**® rain trousers offer an excellent protection against rain and wind. They are very flexible, noiseless and very durable.

**SIZES**

S - XXL

**COLOUR**

• A41 Green Khaki

**EXTERIOR**

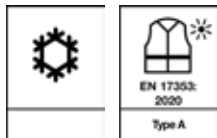
- Closing by elastic and integrated drawstring around the waist
- Zip closure on the outside of the lower leg from knee to bottom of the trousers for easy dress-and undressing



## 1SWS - OUTDOOR

# Fuyu

## Softshell jacket



Welcome mid-season or cold weather with Fuyu, the Japanese word for "winter"! This collection of highly technical EN ISO 14058 certified softshells with detachable sleeves provide the highest possible comfort, technicity and durability for both foresters and arborists during chilly or cold weather that may come with the additional drizzle or sleet. The waterproof and breathable 3-ply fabric offers the wearer the highest possible comfort. As far as additional features are concerned, the reinforced **Tektor** shoulders provide an extra resistance, the sheer number of pockets assure you will always find the right place to store your precious items. The sleeves can be removed when needed and the back is long enough to allow comfort while working in a harness or during forestry work. OK, that's a lot of features in just one softshell so you might start wondering: where is the catch? All we can add is that all our testers have been unanimous regarding this jacket: Second to none!



### SIZES

S - XXXL

### COLOUR

- 570 Hi-Vis Orange/Black
- 768 Hi-Vis Yellow/Red
- NS0 Black

### EXTERIOR

- Ergonomic collar
- Front zip closure under flap
- 2 inset chest pockets
- 2 inset pockets with zip closure
- Sleeve narrowing system by touch and close fastening
- Elongated back tail

### INTERIOR

- 1 patched First Aid pocket with zip closure on the left side



From more product information, visit:  
<http://sio.to/sipen1sws>



561A - OUTDOOR

# Tibet

## Softshell jacket

Conquer the cold with the Tibet softshell. The stretch and comfortable fleece inner layer will keep you nice and warm. Water absorption is no longer a problem thanks to the water repellent outer softshell fabric. On top of this we've added a nice feature; just whistle when you're in need. These softshells have matching colours with our 4 chainsaw protection ranges: BasePro, Flex, Innovation or Progress.

### SIZES

XS - XXL

### COLOUR

- 768 Hi-Vis Yellow/Red
- 570 Hi-Vis Orange/Black



From more product informaton, visit:  
<http://sio.to/sipen561a>









653A - OUTDOOR

# Tundra

## Sweater



The Tundra is a snug sweater with polyester fleece on the inside in true SIP Protection style: reinforcements on shoulders and elbows, practical pockets, comfortable fit and available in 4 refreshing colours that match with the SIP Protection chainsaw and outdoor trousers. This fashionable sweater is the perfect item to wear early in the morning when you drive to work or when you go for a well-deserved drink after work or even in the weekends.

### SIZES

S - XXL

### COLOUR

- CB1 Hi-Vis Orange
- DB1 Burgundy Red
- MB2 Silver Fox Grey
- TB2 Dragonfly Blue

### EXTERIOR

- Ergonomic collar
- Full front zip closure
- 1 vertical inset pocket with zip closure on the chest
- 2 inset pockets with zip closure
- Reinforcement at shoulders and elbows
- Back length 75 cm (L)



From more product information, visit:  
<http://sio.to/sipen653a>





OUTDOOR

## 397A

### Technical T-shirt short sleeves

This technical T-shirt offers an unsurpassed comfort thanks to its **Sio-Cool® Light** fabric and especially developed fitting. It evacuates transpiration quickly keeping you fresh and dry which is particularly appreciated during work in hot weather conditions. However, also during the wintertime this T-shirt has a very meaningful purpose as a first layer under for example a Keiu rain jacket.

#### SIZES

S - XXXL

#### COLOUR

- 844 Hi-Vis Yellow/Red
- 914 Hi-Vis Orange/Grey

#### EXTERIOR

- Zip closure from the chest up to the neck with anti-irritation flap
- 1 patched chest pocket with zip closure
- No horizontal stitches around the chest



OUTDOOR

## 697A

### Technical T-shirt long sleeves, UPF +50



This technical T-shirt offers an unsurpassed comfort thanks to its **Sio-Cool® Classic** UPF 50+ certified fabric and especially developed fitting. It evacuates transpiration quickly keeping you fresh and dry which is particularly appreciated during work in hot weather conditions. However, also during the wintertime this T-shirt has a very meaningful purpose as a first layer under for example a Keiu rain jacket.

#### SIZES

S - XXXL

#### COLOUR

- 914 Hi-Vis Orange/Grey
- 844 Hi-Vis Yellow/Red

#### EXTERIOR

- Zip closure from the chest up to the neck with anti-irritation flap
- 1 patched chest pocket with zip closure
- No horizontal stitches around the chest

# HEAD TO TOE



# HEAD TO TOE RANGE

***At SIP Protection, we are committed to dress chainsaw operators from head to toe.***

## ***Footwear***

Footwear is a complicated and delicate matter. Everybody has different feet and meeting the requirements for everybody is a challenge.

## ***Gloves and sleeves***

Appropriate gloves are an indispensable piece of equipment when working outdoors.

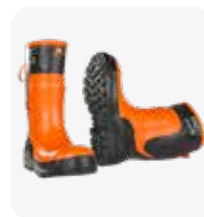
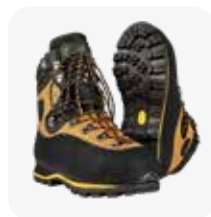
The bright colour adds to the safety and visibility, and will also help you find them faster when dropped on the ground.

## ***Head protection***

The brain is one of the most important organs in our body and yet it is very vulnerable, with the skull being the only part of the body protecting it. Even a minor impact can have serious consequences.

The ears are among the few parts that don't heal. Once it's lost, it's gone forever. The best way to protect this part of your body, is by wearing proper head protection.

# HEAD TO TOE PRODUCT OVERVIEW FOOTWEAR



|   | <b>Grizzly 2.0</b><br><i>3SIC</i> | <b>Superforet</b><br><i>3SA3</i> | <b>Timber 2.0</b><br><i>3XA2</i> | <b>1SXG</b>  | <b>Forestproof</b><br><i>3SC1</i> |
|---|-----------------------------------|----------------------------------|----------------------------------|--------------|-----------------------------------|
|   | see page 129                      | see page 129                     | see page 131                     | see page 133 | see page 133                      |
| <b>Standards</b>  |                                   |                                  |                                  |              |                                   |
| Chainsaw protection to EN ISO 17249   | Class 2 - 24m/s                   | Class 2 - 24m/s                  | Class 2 - 24m/s                  | -            | Class 3 - 28 m/s                  |
| Chainsaw protection to EN 381-9   | -                                 | -                                | -                                | ✓            | -                                 |
| EN ISO 20345  | P, HI, CI, WR, WRU, AN, SB, E     | S3, SRC, HI, CI, HRO             | S3, HRO, CI, WR, CR, SRA         | -            | SRA, SB, E, P                     |
| <b>Features</b>   |                                   |                                  |                                  |              |                                   |
| Average shaft height measured at highest point                                | 23 cm                             | 20 cm                            | 23 cm                            | -            | 35 cm                             |
| Average weight per boot   | 1300 g                            | 980 g                            | 1220 g                           | -            | 1540 g                            |
| 3D memory foam insole   | ✓                                 | -                                | -                                | -            | -                                 |
| Membrane  | ✓                                 | -                                | -                                | -            | -                                 |
| Vibram sole   | ✓                                 | -                                | -                                | -            | -                                 |
| Sewn sole   | -                                 | ✓                                | -                                | -            | -                                 |
| <b>Material</b>   |                                   |                                  |                                  |              |                                   |
| Hypertex (55% Polyamid - 40% Polyurethane - 5% Polyester ± 390g/m²)           | ✓                                 | -                                | -                                | -            | -                                 |
| 2,00 - 2,2mm thick cowhide leather  | -                                 | -                                | ✓                                | -            | -                                 |
| 2,00 - 2,2mm thick nubuck leather   | -                                 | ✓                                | -                                | -            | -                                 |
| Volcanized rubber   | -                                 | -                                | -                                | -            | ✓                                 |
| <b>Siopor® Ultra</b> (100% polyester fabric with 100% PU coating; ± 195 g/m²) | -                                 | -                                | -                                | ✓            | -                                 |
| <b>Sizes</b>  | 38 - 48                           | 36 - 47                          | 36 - 48                          | M / XL       | 37 - 47                           |



# HEAD TO TOE PRODUCT OVERVIEW GLOVES



| 2XA2         | 2XD1         | 2XD2         | 2XD3         | 2XD4         | 2SA3         | 2SA4         | 2SA5         |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| see page 137 | see page 138 | see page 138 | see page 139 | see page 139 | see page 140 | see page 141 | see page 141 |

### Standards

|   |           |           |                |                |                |           |                |                |
|---|-----------|-----------|----------------|----------------|----------------|-----------|----------------|----------------|
| EN ISO 11393 Chainsaw speed Type 1 left hand, type 2 both hands | -         | -         | class 1 type 2 | class 1 type 1 | class 2 type 1 | -         | class 1 type 1 | class 1 type 1 |
| EN 388  | 3-2-4-3-X | 3-2-4-2-X | 3-1-3-1-X      | 3-1-3-1-X      | 3-1-3-1-X      | 3-1-3-2-X | 3-1-3-2-X      | 3-1-3-2-X      |
| EN 420  | ✓         | ✓         | ✓              | ✓              | ✓              | ✓         | ✓              | ✓              |

### Features

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| Para-aramid stitching                         | - | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Artery reinforcement wrists                   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Palm reinforcement                            | - | ✓ | ✓ | ✓ | ✓ | - | - | ✓ |
| Anti-vibration futter in the palm of the hand | ✓ | - | - | - | - | ✓ | - | - |
| Touch and close fastening                     | ✓ | ✓ | ✓ | ✓ | - | - | - | - |
| Reinforcement on top of the hand              | - | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

### Material

|  |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|
| Synthetic leather (60% polyamide - 40% polyurethane ± 310g/m²) | - | ✓ | ✓ | - | ✓ | - | - | - |
| Reinforcements 18% Kevlar® - 56% Polyamide - 2% PU             | - | ✓ | - | - | - | - | - | - |
| Goat leather with 96% nylon - 4% spandex upper                 | ✓ | - | - | - | - | - | - | - |
| Rubber PVC/PU on polyester knitting                            | - | - | ✓ | ✓ | ✓ | - | - | ✓ |
| 100% full grain 1.2mm - 1.3mm hydrophobic cowhide leather      | - | - | - | - | - | ✓ | ✓ | ✓ |

### Sizes

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 8-12 | 8-12 | 8-12 | 8-12 | 8-12 | 8-12 | 8-12 | 8-12 |
|------|------|------|------|------|------|------|------|

# HEAD PROTECTION

## Rockman

| 4SD1         | 4SC6         | 4SC8         |
|--------------|--------------|--------------|
| see page 145 | see page 147 | see page 147 |

### Standards

|            |      |        |      |
|------------|------|--------|------|
| EN 352-1   | -    | 25,5db | -    |
| EN 352-3   | 26db | -      | 25db |
| EN 1731    | ✓    | ✓      | ✓    |
| DIN EN 397 | ✓    | -      | -    |
| NF EN 398  | -    | -      | ✓    |

### Features

|   |   |   |   |
|---|---|---|---|
| Hearing protectors adjustable in height | ✓ | ✓ | ✓ |
| Rack and pinion closing                 | - | ✓ | ✓ |
| 4 anchor points                         | ✓ | - | ✓ |

### Material

|                                  |   |   |   |
|----------------------------------|---|---|---|
| Polyethylene helmet              | ✓ | - | - |
| Molded polypropylene helmet      | - | - | ✓ |
| Metal visor 30cm wide, 16cm high | ✓ | ✓ | - |
| Metal visor 30cm wide, 20cm high | - | - | ✓ |

### Sizes

|     |     |     |
|-----|-----|-----|
| uni | uni | uni |
|-----|-----|-----|





**3SIC - HEAD-TO-TOE**

## Grizzly 2.0

Chainsaw boots, EN ISO 20345,  
EN ISO 17249 class 2



The Grizzly 2.0 boots are based upon our experience in manufacturing chainsaw protective clothing and the knowhow of the Italians in boot manufacturing. Developed for groundwork, they are mainly composed of orange Hypertex and rubber reinforcement to reduce maintenance to a strict minimum and take robustness to the highest achievable level. As far as the sole is concerned, we couldn't have chosen a better brand than **Vibram®**. The long lasting **Vibram® Teton** sole assures you grip on unstable and heavy grounds, wet or dry. A wide panel of testers were unanimous on every level: "these boots are top-notch"! What else can we say?

**SIZES**

38 - 48

**COLOUR**

- 713 Orange/Black

**EXTERIOR**

- Basic requirements+steel toecap with impact resistance of 200J and compression of 1500 daN (SB)
- Cold insulation sole (CI)
- Heat Insulation (HI)
- Anti-perforation sole (P)
- Waterproof (WR)

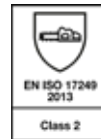
**INTERIOR**

- Steel toe cap
- Tepor breathable and waterproof membrane with 10.000mm water column waterproofness to ISO 811
- Memory foam insole
- Kevlar® anti-perforation sole

**3SA3 - HEAD-TO-TOE**

## Superforet

Chainsaw boots, EN ISO 20345,  
EN ISO 17249 class 2



The 3SA3 boots were originally designed for arborists that needed very flexible chainsaw boots. It has now become an allround boot that is equipped with a supple sole and shaft and offers a class 2 chainsaw protection.

**SIZES**

36 - 47

**COLOUR**

- ASO Olive Green

**EXTERIOR**

- Slip resistance of the sole (SRA)
- Indented sewn nitril sole
- S3 = SB: Safety footwear with toecap resistant to an energy shock of 200 J and a pressure of 1500 daN
- Sole resistant to hydrocarbons (FO) + antistatic features (A) + energy absorption of the heel (E)
- Closed heel side + water resistant upper (WRU) + Kevlar® anti-perforation sole (P) + indented sole
- Cold insulation sole (CI)
- Sole resistant to heat contact (HRO)

**INTERIOR**

- Steel toe cap
- 1mm / 1,2mm thick leather lining, 1 mm thick velvet and high-tenacity textile
- Metal anti-perforation sole



## 3XA2 - HEAD-TO-TOE

# Timber 2.0

## Chainsaw boots, EN ISO 20345 S3, EN ISO 17249 class 2



*No special 3D memory foam cushioning insole, no fancy colors, no fancy leather choice... Yes indeed, sometimes the word "basic" just means "appropriate enough for the job ahead". The new Timber boots are just those kind of boots, fine if you do seasonal forestry work. However, this doesn't mean we gave up on durability. An injected sole, S3 mechanical resistance, class 2 chainsaw protection, its all there within reach for a tiny budget.*

**SIZES**

39 - 47

**EXTERIOR**

- Energy absorption of the heel (E)
- Slip resistance of the sole (SRA)
- Sole resistant to hydrocarbons (FO)
- Injected nitrile rubber indented sole
- S3 = SB: Safety footwear with toecap resistant to an energy shock of 200 J and a pressure of 1500 daN
- Sole resistant to hydrocarbons (FO) + antistatic features (A) + energy absorption of the heel (E)
- Closed heel side + water resistant upper (WRU) + Kevlar® anti-perforation sole (P) + indented sole
- Cold insulation sole (CI)
- Sole resistant to heat contact (HRO)
- Heat Insulation (HI)
- Waterproof (WR)

**COLOUR**

- 720 Black/Orange

**INTERIOR**

- Steel toe cap
- Kevlar® anti-perforation sole



From more product informaton, visit:  
<http://sio.to/sipen3xa2>



**3SC1 - HEAD-TO-TOE**

## Forestproof

### Chainsaw boots, EN ISO 17249 class 3



The 100% guaranteed waterproof Forestproof rubber boots provide a class 3 chainsaw protection. The excellent sole offers a good grip on muddy terrains and the laces at calf height assure easy donning.

**SIZES**

37 - 47

**COLOUR**

- 720 Black/Orange

**EXTERIOR**

- Energy absorption of the heel (E)
- Slip resistance of the sole (SRA)
- Injected nitrile rubber indented sole
- Basic requirements+steel toecap with impact resistance of 200J and compression of 1500 daN (SB)
- Anti-perforation sole (P)

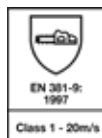
**INTERIOR**

- Steel toe cap
- Cotton lining

**1SXG - HEAD-TO-TOE**

## 1SXG

### Chainsaw gaiters, class 1



For occasional use of a chainsaw, these gaiters provide chainsaw protection when securely fixed on top of EN ISO 20345 safety boots. Exists in 2 sizes. M which covers 39 to 42 and XL which covers sizes 43 - 46.

**SIZES**

M - XL

**COLOUR**

- N15 Black

**EXTERIOR**

- 3 adjustable polyprop buckles. 2 at the back of the legs, 1 to fix underneath the safety boots to EN ISO 20345.







EN 388:2016 EN 1082:2014  
EN ISO 20345:2011  
EN ISO 20344:2011  
CE 0598  
SIP PROTECTION

Size 10



EN 388:2016 EN 1082:2014  
EN ISO 20345:2011  
EN ISO 20344:2011  
CE 0598  
SIP PROTECTION

Size 10



## HEAD-TO-TOE

## 2XA2

Loggers working gloves,  
EN 388:2016 3 2 4 3

*These working gloves provide great dexterity and grip whilst handling machines such as chainsaws and brushcutters thanks to their perfect fit and the use of flexible materials. Impact and vibration foams in the palm of the hand enhance comfort even further.*

**SIZES**

8 - 12

**COLOUR**

- 412 Red/Black
- 570 Hi-Vis Orange/Black

**EXTERIOR**

- Close fitting for a good dexterity
- Rubber impact and vibration absorbing padding in the palm of the hand



From more product informaton, visit:  
<http://sio.to/sipen2xa2>



#### HEAD-TO-TOE

## 2XD1

Heavy duty working gloves,  
EN 388:2016 3 2 4 2



Feeding the chipper with thorny branches, hauling wet or dry wood or other heavy forestry tasks, the Heavy Duty working gloves are adapted for any job where robustness is of paramount importance. Note: these gloves are not to be used whilst handling a chainsaw as they are uniquely designed to resist heavy abrasion thanks to the **Kevlar®** reinforcement in the palm of the hand and fingers. The reinforcement is double stitched as well as glued for the highest possible durability.

#### SIZES

8 - 12

#### COLOUR

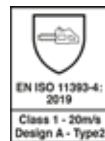
- 412 Red/Black
- 570 Hi-Vis Orange/Black



#### HEAD-TO-TOE

## 2XD2

Chainsaw gloves, EN ISO 11393 class 1,  
design A left hand, EN 388:2016 3 1 3 1



These newly developed left hand protective chainsaw gloves offer great dexterity combined with excellent grip to allow great handling of the chainsaw. The anti-skid waterproof rubber reinforcement assures a high durability and grip of the chainsaw even during the wettest weather circumstances.

#### SIZES

8 - 12

#### COLOUR

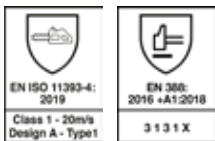
- 412 Red/Black
- 570 Hi-Vis Orange/Black



HEAD-TO-TOE

## 2XD3

Chainsaw gloves, EN ISO 11393 class 1, design A both hands, EN 388:2016 3 1 3 1



These newly developed gloves, with chainsaw protection on **both hands**, offer great dexterity combined with excellent grip to allow great handling of the chainsaw. The anti-skid waterproof rubber reinforcement assures a high durability and grip of the chainsaw even during the wettest weather circumstances.

**SIZES**

8 - 12

**COLOUR**

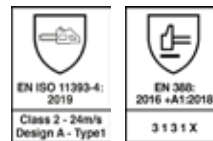
• 713 Orange/Black



HEAD-TO-TOE

## 2XD4

Chainsaw gloves, EN ISO 11393 class 2 design A both hands, EN 388:2016 3 1 3 1



These newly developed gloves, with chainsaw protection on **both hands**, offer great dexterity combined with excellent grip to allow great handling of the chainsaw. The anti-skid waterproof rubber reinforcement assures a high durability and grip of the chainsaw even during the wettest weather circumstances.

**SIZES**

8 - 12

**COLOUR**

• 570 Hi-Vis Orange/Black



HEAD-TO-TOE

# 2SA3

Anti-vibration forestry gloves,  
EN 388 3 1 3 2



*Anti-vibration working gloves assembled with para-aramid stitchings that are made of a high-quality leather. They offer a good dexterity when holding the chainsaw. Leather reinforcement on top of the hands for a higher durability.*

**SIZES**

8 - 12

**COLOUR**

• GS0 Green

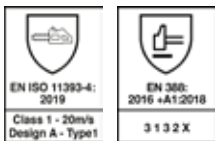




HEAD-TO-TOE

## 2SA4

Chainsaw gloves, EN ISO 11393 class 1, design A both hands, EN 388:2016 3 1 3 2



Hydrophobic gloves assembled with para-aramid stitching that provide chainsaw protection on top of **both hands** and wrists in accordance with EN 381-7 design A. Leather reinforcement on top of the hands for a higher durability.

**SIZES**

8 - 12

**COLOUR**

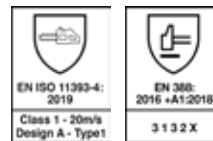
• GS0 Green



HEAD-TO-TOE

## 2SA5

Chainsaw gloves, EN ISO 11393 class 1, design A both hands, EN 388:2016 3 1 3 2



Hydrophobic gloves assembled with para-aramid stitching that provide chainsaw protection on top of **both hands** and wrists in accordance with EN 11393 design A. Leather reinforcement on top of the hands for a higher durability and rubber antiskid reinforcement in the palm of the hands.

**SIZES**

8 - 12

**COLOUR**

• GS0 Green



#### HEAD-TO-TOE

## 1SX1

### Arborist sleeves, 360° chainsaw protective material, CE

*These chainsaw sleeves are provided with an all-round chainsaw protective inlay 360° around the arm. Elastic wrist and elbow wraps.*

#### SIZES

UNI

#### COLOUR

- C82 Orange
- FR1 Hi-Vis Red

#### EXTERIOR

- Tensioning elastic above the elbow

#### INTERIOR

- 360° 6-layer protective inlay around the forearm







## HEAD-TO-TOE

**1SY1**

Arborist sleeves with cord lock with 360° chainsaw protective material, CE

*These chainsaw sleeves are provided with an all-round chainsaw protective inlay 360° around the arm. They can be fitted around the arm with a tensioning elastic and stop cord above the elbow.*

**SIZES**

L - XL

**COLOUR**

• FR1 Hi-Vis Red

**EXTERIOR**

- Can be fitted around the arm thanks to a tensioning elastic and stop cord behind the elbow

**INTERIOR**

- 360° 6-layer protective inlay around the forearm



## HEAD-TO-TOE

**1SXA**

Arborist sleeves, 360° chainsaw protective material + upper hand, CE

*These chainsaw sleeves are provided with an all-round chainsaw protective inlay 360° around the arm and on top of **both hands**. The antiskid elastic around the upper arm and the fingerless glove assure a comfortable fit.*

**SIZES**

UNI

**COLOUR**

• 833 Red/Black

**EXTERIOR**

- Fingerless hand glove fitting

**INTERIOR**

- 360° 6-layer protective inlay around the arm and on top of the hand to right over the elbow





4SD1 - HEAD-TO-TOE

## Rockman

Forestry helmet system,  
EN 352-3 26db, EN 1731, EN 397

*Complete forestry kit containing a polyethylene helmet, ear protection 26dB and wire mesh metal visor with great transparency. Lightweight: ±670g.*

### SIZES

UNI

### COLOUR

• CS0 Orange

### EXTERIOR

- Metal visor 30 cm wide, 16 cm high





## HEAD-TO-TOE

## 4SC6

Brushcutter set, NF EN 352-1 25.5db, EN 1731

*This basic complete brush cutter set provides hearing protection up to 25,5 dB SNR (H: 30,8dB, M: 22,5dB and L: 14,8dB). Its lightweightness and the metal visor assure comfort and safety. The hearing protection can be adjusted in height.*

## SIZES

UNI

## COLOUR

• YS0 Yellow

## EXTERIOR

- Metal visor 30 cm wide, 20 cm high
- Closure by rack and pinion mechanism



## HEAD-TO-TOE

## 4SC8

Complete forestry set, NF EN 397, EN 352-1 25db, EN 1731

*This basic and lightweight forestry- and brushcutting kit offers a total hearing, facial and head protection all-in-one.*

## SIZES

UNI

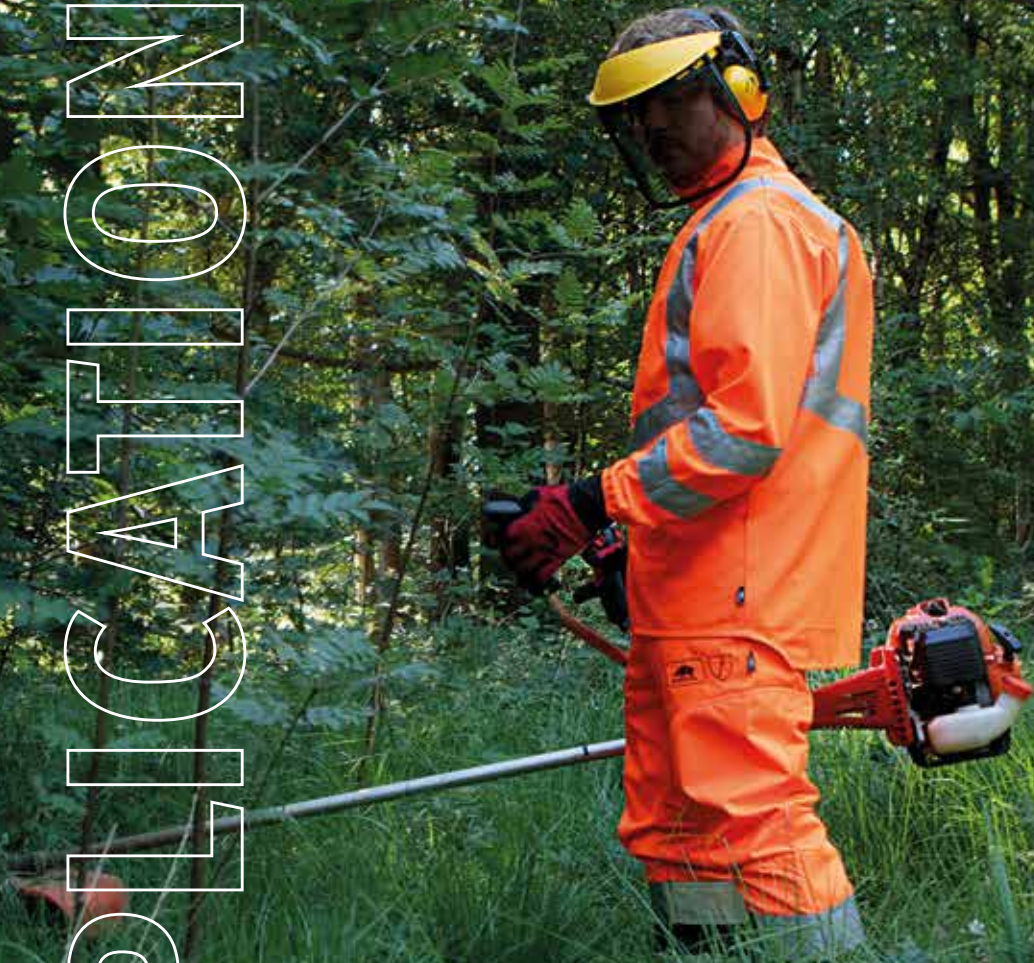
## COLOUR

• 700 Yellow/Red

## EXTERIOR

- Metal visor 30 cm wide, 16 cm high
- Closure by rack and pinion mechanism

# SPECIAL APPLICATIONS



# SPECIAL APPLICATIONS

*Special products that are especially developed for brush cutting protection and for hedge trimming.*

## ***Brush cutting***

Brush cutting garments offer protection against many risks. They offer impact protection against objects that are thrown by the cutting attachment, and that can hit the operator.

In addition, they can contain a waterproof fabric at the front to work more comfortably with dry legs and in order to significantly improve cleaning efficiency.

We have redesigned all brush cutter styles, using new fabrics and giving them a modern look.

## ***Hedge trimming***

Hedge trimmers may cause very bad cuts to their operators. Specialised chaps are your first step towards safer working as the fibres inside the chaps resist the first quick impact where regular trousers fail and are immediately punctured or pinched.

# SPECIAL APPLICATIONS PRODUCT OVERVIEW



|                                  | Greenkeeper                  | Greenclipper                 | Greenkeeper Vent             | Greenkeeper Vent Flash  | 1ST8         | 5SA3         |
|----------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|--------------|--------------|
|                                  | 1RB8                         | 1RBC                         | 1RB4                         | 1RB5                    | 1ST8         | 5SA3         |
|                                  | see page 152                 | see page 153                 | see page 153                 | see page 155            | see page 158 | see page 158 |
| <b>Standards</b>                 |                              |                              |                              |                         |              |              |
| Based on EN 388                  | ✓                            | ✓                            | ✓                            | ✓                       | ✓            | -            |
| Based on 20471                   | -                            | -                            | -                            | Class 2                 | -            | -            |
| EN ISO 13688                     | ✓                            | ✓                            | ✓                            | ✓                       | ✓            | -            |
| <b>Application</b>               |                              |                              |                              |                         |              |              |
| Forestry                         | -                            | -                            | -                            | -                       | -            | -            |
| Arboriculture                    | -                            | -                            | -                            | -                       | -            | -            |
| Maintenance green spaces         | Brushcutter                  | Brushcutter                  | Brushcutter                  | Brushcutter             | Brushcutter  | Brushcutter  |
| Hunting                          | -                            | -                            | -                            | -                       | -            | -            |
| <b>Technical properties</b>      |                              |                              |                              |                         |              |              |
| Water and dirt repellent finish  | -                            | -                            | -                            | -                       | -            | -            |
| Waterproof outer fabric          | ✓                            | ✓                            | ✓                            | ✓                       | ✓            | -            |
| <b>Main fabric type</b>          |                              |                              |                              |                         |              |              |
| Solid fabric                     | ✓                            | ✓                            | ✓                            | ✓                       | ✓            | ✓            |
| 2-way stretch                    | -                            | -                            | -                            | -                       | -            | -            |
| 4-way stretch                    | -                            | -                            | -                            | -                       | -            | -            |
| <b>Knee reinforcement</b>        |                              |                              |                              |                         |              |              |
| Waterproof                       | ✓                            | ✓                            | ✓                            | ✓                       | ✓            | ✓            |
| Ripstop                          | -                            | -                            | -                            | -                       | -            | -            |
| Hydura                           | -                            | -                            | -                            | -                       | -            | -            |
| Stretch                          | -                            | -                            | -                            | -                       | -            | -            |
| <b>Ventilation</b>               |                              |                              |                              |                         |              |              |
| With a mesh                      | -                            | -                            | ✓                            | ✓                       | -            | -            |
| With a zipper                    | -                            | -                            | -                            | -                       | -            | -            |
| <b>Gaiters</b>                   |                              |                              |                              |                         |              |              |
| Yes                              | -                            | -                            | -                            | -                       | -            | -            |
| No                               | ✓                            | ✓                            | ✓                            | ✓                       | ✓            | ✓            |
| <b>Available colours</b>         |                              |                              |                              |                         |              |              |
| Colour codes                     | 013 Anthracite/Hi-Vis orange | 013 Anthracite/Hi-Vis orange | 013 Anthracite/Hi-Vis orange | 183 Hi-Vis Orange/Black | G60 Green    | WJ0 Beige    |
|                                  | -                            | -                            | -                            | 386 Hi-Vis Yellow/Black | -            | -            |
| <b>Available sizes</b>           |                              |                              |                              |                         |              |              |
| <b>Leg lengths</b>               |                              |                              |                              |                         |              |              |
| Short, inseam leg length 75 cm   | -                            | -                            | -                            | -                       | -            | -            |
| Regular, inseam leg length 82 cm | 80: S - 3XL                  | UNI                          | 80: S - 3XL                  | 80: S - 3XL             | UNI          | UNI          |
| Tall, inseam leg length 88 cm    | -                            | -                            | -                            | -                       | -            | -            |





|              |              |              |
|--------------|--------------|--------------|
| <b>1SX4</b>  | <b>5SAL</b>  | <b>1STE</b>  |
| see page 159 | see page 159 | see page 161 |

|   |   |   |
|---|---|---|
| - | - | ✓ |
| - | - | - |
| ✓ | - | ✓ |

|             |             |                |
|-------------|-------------|----------------|
| -           | -           | -              |
| -           | -           | -              |
| Brushcutter | Brushcutter | Hedge trimming |
| -           | -           | -              |

|   |   |   |
|---|---|---|
| - | - | - |
| ✓ | - | - |

|   |   |   |
|---|---|---|
| ✓ | ✓ | ✓ |
| - | - | - |
| - | - | - |

|   |   |   |
|---|---|---|
| - | - | ✓ |
| - | - | - |
| - | - | - |
| - | - | - |

|   |   |   |
|---|---|---|
| - | - | - |
| - | - | - |

|   |   |   |
|---|---|---|
| ✓ | - | - |
| - | ✓ | ✓ |

|           |            |                  |
|-----------|------------|------------------|
| N15 Black | YSO Yellow | 503 Green/Orange |
| -         | -          | -                |

|     |     |     |
|-----|-----|-----|
| -   | -   | -   |
| UNI | UNI | UNI |
| -   | -   | -   |

|                    |
|--------------------|
| <b>Handy flash</b> |
| <b>1RBK</b>        |
| see page 155       |

|         |
|---------|
| Class 3 |
| ✓       |

|                          |             |
|--------------------------|-------------|
| Forestry                 | -           |
| Arboriculture            | -           |
| Maintenance green spaces | Brushcutter |
| Hunting                  | -           |

**Standards**

- EN ISO 20471
- EN ISO 13688

**Application**

- Forestry
- Arboriculture
- Maintenance green spaces
- Hunting

**Technical properties**

- Water and dirt repellent finish
- Waterproof outer fabric

**Main fabric type**

- Solid fabric
- 2-way stretch
- 4-way stretch

**Reinforcements**

- Waterproof
- Ripstop

**Hydura**

**Ventilation**

- Underarm by opening
- Underarm by zipper
- Back ventilation

**Available colours**

- FCS Hi-Vis Orange
- FY1 Hi-Vis Yellow

**Available sizes**

S - 3XL



1RB8 - SPECIAL APPLICATIONS

## Greenkeeper

### Brushcutter trousers



Lightweight brushcutting trousers with protection against flying debris thanks to the fixed impact resistant padding. Easy to clean thanks to the waterproof and breathable **Siopor**® front reinforcement.

#### SIZES

Regular, inside leg 80cm: S - 3XL

#### COLOUR

• 013 Anthracite/Hi-Vis orange

#### EXTERIOR

- Front fly with zip closure - closing by 1 button
- 2 inset pockets
- Loops for belt
- 1 patched pocket with zipper on the back
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- Elasticated waist with loops for belt and loops for velcro braces ref. 5SD4
- Back bib with loops for braces ref. 5SD4

#### INTERIOR

- 3 mm impact absorbing foam from projected debris





1RBC - SPECIAL APPLICATIONS

## Greenclipper

### Brushcutter chaps



*Dilemma: You work with a brushcutter between other jobs during a regular working day. You have to choose between not wearing any proper protection during brushcutting work, wearing just regular working trousers, or wear proper brushcutting trousers but live with the hassle to having to change regularly during the day. By far most choose the first option thus, not being properly protected. Good news, yet another dilemma off the table thanks these new brushcutting chaps. Need to wear them? Just simply click them on. No longer need to wear them, simply click them off. Yes, it's really that easy.*

**SIZES**

UNI

**COLOUR**

- 013 Anthracite/Hi-Vis orange

**EXTERIOR**

- Closing by elasticated belt and buckle

**INTERIOR**

- 3 mm impact absorbing foam from projected debris



1RB4 - SPECIAL APPLICATIONS

## Greenkeeper Vent

### Brushcutter trousers ventilation



*Brushcutting trousers with removable impact resistant foam. The waterproof yet breathable front reinforcement fabric avoids water penetration and the backside of the legs is partly made of a mesh fabric which allows ventilation for an increased working comfort.*

**SIZES**

Regular, inside leg 80cm: S - 3XL

**COLOUR**

- 013 Anthracite/Hi-Vis orange

**EXTERIOR**

- Front fly with zip closure - closing by 1 button
- 2 inset pockets
- Loops for belt
- 1 patched pocket with zipper on the back
- 1 patched pocket for measuring equipment and fixation of spark plug spanner
- Elasticated waist with loops for belt and loops for velcro braces ref. 5SD4
- Back bib with loops for braces ref. 5SD4
- Triple-needle stitching on the back seam to the inside leg

**INTERIOR**

- Removable high-density impact absorbing foam 6mm





### 1RB5 - SPECIAL APPLICATIONS

## Greenkeeper Vent Flash

HV brushcutter trousers,  
EN ISO 20471 Class 2 except § 5.6



*Hi-vis EN ISO 20471 class 2 brushcutting trousers with removable impact resistant foam. The waterproof yet breathable front fabric avoids water penetration and the back of the legs are partly composed of a mesh fabric for increased ventilation and comfort.*

#### SIZES

Regular, inside leg 80cm: S - 3XL

#### COLOUR

- 183 Hi-Vis Orange/Black
- 386 Hi-Vis Yellow/Black

#### EXTERIOR

- Front fly with zipper
- 2 inset pockets
- 1 patched pocket with zipper on the back
- Elasticated waist with loops for belt and loops for velcro braces ref. 5SD4
- Back bib with loops for braces ref. 5SD4



### 1RBK - SPECIAL APPLICATIONS

## Handy Flash

HV brushcutter jacket,  
EN ISO 20471 class 3



*The new SIP Protection brushcutting jacket had been in our secret development cupboard for some time. Whenever we were asked for a brushcutting jacket we mostly referred to our wide range of working jackets. However, because most professionals carry a harness to fix the brushcutter on, a regular working jacket quickly falls short in providing optimal working comfort. This jacket offers the solution. Just open the zipper on the right hand side of the jacket and the protector plate will not bother any longer. Of course, because brushcutting work is often executed along the road, this jacket is EN ISO 20471 class 3 certified!*

#### SIZES

S - XXXL

#### COLOUR

- FCS Hi-Vis Orange
- FY1 Hi-Vis Yellow

#### EXTERIOR

- Straight collar
- Full front zip closure
- 1 inset chest pocket with zip closure
- Cuffs at end of sleeves







#### SPECIAL APPLICATIONS



## 1ST8

### Brushcutting leggings

User-friendly one size fits all brushcutting leggings with protection against flying debris thanks to the fixed impact resistant foam. Easy to clean thanks to the waterproof and breathable **Siopor**® front reinforcement.

#### SIZES

UNI

#### COLOUR

- G60 Green

#### EXTERIOR

- Zip closure (top to bottom to close) at the back of the legs
- Closing by elasticated belt and buckle

#### INTERIOR

- 3 mm impact absorbing foam from projected debris



#### SPECIAL APPLICATIONS



## 5SA3

### Brushcutting apron

This leather brush cutting apron is perfectly suitable for warm and dry weather conditions.

#### SIZES

UNI

#### COLOUR

- WJ0 Beige

#### EXTERIOR

- Closure by leather straps and metal single prong





SPECIAL APPLICATIONS

## 1SX4 Brushcutting gaiters



Gaiters provide adequate protection against flying debris and protect the bottom of the trousers from vegetation close to the ground.

**SIZES**

UNI

**COLOUR**

- N15 Black

**EXTERIOR**

- Zip closure on the inside of the gaiters
- Metal cable and single prong closure for firm fixing under safety boots

**INTERIOR**

- Impact and/or vibration absorbing foam



SPECIAL APPLICATIONS

## 5SAL Tibia protectors



Tibia protectors offer a good protection against severe impacts on the tibia and provide additional protection when worn over brushcutting trousers. Spare elastic straps are available ref YD0000010.

**SIZES**

UNI

**COLOUR**

- Y50 Yellow

**EXTERIOR**

- Closure by rubber straps

**INTERIOR**

- Impact and/or vibration absorbing foam



## SPECIAL APPLICATIONS

## 1STE

## Hedge trimmer chaps



Hedge trimming leggings with several protection layers that minimize the risk of being injured by a hedge trimmer.

**SIZES**

UNI

**EXTERIOR**

- Loops for belt
- Closing by elasticated belt and buckle

**COLOUR**

- 503 Green/Orange

**INTERIOR**

- Cut resistant inlay and removable high-density impact absorbing foam 6mm



From more product informaton, visit:  
<http://sjo.to/sipen1ste>

# ACCESSORIES



# ACCESSORIES

*For our SIP Protection fans, we have a range of accessories that complement your garments.*

In this range, you find that little accessory you were looking for to make your life easier.



#### ACCESSORIES



## 5SD4

### Braces for trousers with loops, 4cm wide

4cm wide braces with velcro closing for trousers with loops for braces like the **Samurai** 1SRL, Arborist 1SNA, the styles in the BasePro range... To find styles with loops for braces, check out the style descriptions.

#### SIZES

100 - 120

#### COLOUR

• 502 Black/White



#### ACCESSORIES



## 5SD5

### Braces with clips , 4cm wide

These clip braces are adjustable in height and can be fixed on any pair of trousers.

#### SIZES

UNI

#### COLOUR

• 570 Hi-Vis Orange/Black



## ACCESSORIES

## 5SD6

## Braces with loops 4cm wide



*These braces with loops are adjustable in height and can be fixed on any trousers of our product range with buttons for braces.*

## SIZES

UNI

## COLOUR

- 502 Black/White
- 387 Hi-Vis Yellow/Black







## 596A - ACCESSORIES

## Atlas 90

### SIP Protection outdoor bag

*Carry your world on your shoulders. With the Atlas 90 outdoor bag, SIP Protection comes to the rescue. Climbing equipment, tools, chainsaw protective clothing ... it all fits into the Atlas 90 outdoor bag.*

**SIZES**

UNI

**COLOUR**

• N15 Black

**EXTERIOR**

- Interior
- 1 ventilated mesh fabric pocket with horizontal zipper in the flap



ACCESSORIES

## 5SA7 Leather belt



*Very durable high quality belt able to resist high tension.  
Double prong closing. 2 sizes: 110cm and 125cm*

**SIZES**

110 - 125

**COLOUR**

• E55 Brown





## 1SEK - ACCESSORIES



# Sekkos

## Moisture absorbers

*Few things are less annoying than having to put your dry feet in wet boots in the morning when leaving to work. With Sekkos, the simple and effective solution, you no longer have to face that ordeal. How? Simply slide the Sekkos dry bags in your wet boots in the evening and they will be perfectly dry on the inside in the morning. They can absorb up to 40% of humidity in their own weight. Dry the Sekkos during the day and they're good to be re-used in the evening. Try it out!*

### SIZES

UNI

### COLOUR

• NSO Black



647A - ACCESSORIES



## Hoodie 2020

### SIP Protection Promo Hoodie

Discover our organic Rhino Hoodie. A nice and cosy hoodie used during work or after hours.

**SIZES**

S - XL

**COLOUR**

- P27 Pink
- R48 Burgundy



648A - ACCESSORIES



## Bandino

### SIP Protection Promo Bandino / per 10 pcs

*Discover our Rhino Bandino.  
A stretchable and breathable  
multifunctional item. Wear it as a neck  
warmer, head warmer, balaclava,  
sweatband ... Unfolded size: 48 x 25 cm.*

#### SIZES

UNI

#### COLOUR

• G93 Green

#### EXTERIOR

- Packed and sold per 10 pieces.





#### 5SAE - ACCESSORIES



## UP

### Belt made from end-of-life climbing ropes

*Looking for a fashionable, colourful belt that is also sustainable? This belt, developed and produced by Le Sac de Nœuds is made from upcycled climbing ropes. You get a belt with a history and the rope used for the belt gets a second life. It definitely is a great addition to your wardrobe and it could be the unique eco-friendly gift you have been looking for. We hope you're in for a surprise, as you won't know which colour you're getting when you order. It fully depends on the colour of the upcycled climbing rope.*

#### SIZES

UNI

#### COLOUR

• MIX





## Le Sac de Noeuds & SIP Protection

***Two years ago, SIP Protection met Le Sac de Noeuds and we were immediately impressed by the unique and eco-friendly accessories they create from upcycled climbing ropes. This commitment to sustainability is aligned with our own values, making them the perfect fit for our collection.***

At Le Sac de Noeuds, they believe in reducing waste and making the most of what already exists. That's why they use upcycled climbing gear to create stylish and functional accessories. From a bunch of ropes to bracelets and belts, each piece is carefully crafted to last a lifetime. And now they want to expand worldwide.

We are proud to offer some of their products in our catalogue, and to support this company. Whether you're looking for a practical accessory for everyday use or a unique and eco-friendly gift, Le Sac de Noeuds has something for you, and you can be sure that you're making a smart choice. Each belt tells the story about the rope that was collected to save it from destruction.

So, if you want to reduce your impact on the environment and make a positive difference, don't look any further.



*Scan for more info  
about Le Sac de Noeuds*









# TECHNICAL



# TECHNICAL

***Innovating high-quality protection is in our company DNA.***

From SIP Protection's early days onwards, we have put a lot of effort into R&D and product innovation, including developing products that comply with the highest and most recent standards and certifications.



## How does the chainsaw material work?

**Y**ou might work with a chainsaw on a daily basis, but still accidents can happen. Just a short moment of distraction might hurt you very badly. Luckily, you are wearing chainsaw protective garments. They provide good protection, are comfortable and breathable, but don't you wonder how the material works?

### *What are the functional principles in chainsaw protection?*

According to the European standard **EN 11393** (supersedes **EN 381**), different functional principles can be applied in order to provide you the protection needed to work safely.

#### **Chain slipping**

*When you touch the protective material with a chainsaw, the chain doesn't cut the material, but it slips off the material.*

#### **Clogging**

*The fibres of your chainsaw protective garments' material are drawn into the drive sprocket by the chain, blocking chain movement and keeping you unharmed.*

#### **Chain braking**

*Your chainsaw garment's fibres have a high resistance to cutting and absorb rotational energy, which is how they reduce the chainsaw speed.*

↑ The above functional principles can be combined in your chainsaw protective materials.



### *Clogging in your chainsaw protective trousers*

While operating a chainsaw, leg injuries occur the most. Chainsaw protective trousers or chaps will protect your clients. For chainsaw trousers, clogging is the principle that is used the most to protect people from getting injured by a chainsaw.

The material used is especially designed to clog the sprocket when you touch your trousers with your chainsaw. By clogging the sprocket, the chain is stopped. Wearing this type of material, reduces the chances of getting injured and reduces the severity of possible injuries should the chainsaw blade breach the trousers' outer layer. Please keep in mind that the **wash and care routine** is of major importance to your client's safety. When the material of your chainsaw protective garments is too dirty, the fibres stick together, meaning that they can't be pulled out and the clogging principle no longer is applicable.

In addition, the **DWR finish** or durable water repellent finish, is also very important when it comes to your protection while operating a chainsaw. The impact of oil and fuel on the fibres could on the long term affect the resistance of the fibres. This can be prevented by a good DWR finish, slowing down the contact of oil and fuel with the fibres.



*Watch our cutting test video filmed with a high-speed camera at our R&D lab.*



### *Chainsaw slipping upon contact with safety boots*

The principle of chain slipping can be found on safety boots with steel toe caps. The saw chain will cut through a composite toe cap, but not through a steel toe cap. When touching the steel toe cap, the saw chain will slip off the material. All of our SIP Protection chainsaw protective boots have steel toe caps that provide optimal protection.

### *Chain braking in rubber boots*

In some rubber boots, the principle of chain braking is applied. The used fibres reduce the chain speed. Then there is no more energy to make the saw chain turn, eventually slowing down and stopping it when there is enough rubber. This is the case when there are no clogging fibres behind the rubber.

However, in reality, the chainsaw speed is not always slowed down. That is why leather boots with a steel toe cap and clogging fibres should be preferred to rubber boots.



## Colours and visibility for forestry and tree care

**P**rotection in forestry and tree care isn't only about chainsaw protection or fall arrest. It also refers to being seen. Wear protective clothing in the right colours to be visible at all times. But which colours are advisable? Let's look into the EN ISO 20471 and EN 17353 standards and further recommendations especially for forestry and arboriculture.

### Visibility in forests

High visibility clothing in forestry is becoming increasingly important, due to storm damage or working in younger nature, meaning that the greenery is closer to the ground. According to Germany's KWF, and for FPA certification, the high visibility surface of jackets must contain at least a third of the front and backside's total surface. The more surface is covered in high visibility colours, the better. It should also not show a camouflage-ish pattern, etc.

### High visibility colours and surfaces

It's important to know that not all flashy colours count as high visibility according to EN ISO 20471. Only three fluorescent colours are allowed: HV yellow, HV orange and HV red. For forestry, high visibility yellow should be used in combination with another bright colour, as even clothing with high visibility accents can have a camouflage effect. The combination of HV yellow and green can, f.ex., resemble the colours of the leaves around you and you might not be noticed at all. Therefore, using high visibility orange in combination with any colour or hi vis yellow with red is preferred, as it's always visible.

The best option is to have at least half of the upper arms in high visibility colours. It's even better to have the full arms in hi vis colours. A visible jacket is really important, but we shouldn't forget that your helmet should also offer good visibility, similar to the forestry jackets.

### Tree care

There are fewer risks in the forest, but especially in tree care, work is often done at the roadside. When an arborist is working on the road and is not participating in the traffic, he or she is a passive user. Combined with traffic speed of more than 15 km per hour, the risk level is high and use of EN ISO 20471 protective garments is advised.

## EN ISO 20471 high visibility clothing for high risk situations

As we're talking about visibility, it's really important to mention EN ISO 20471, the European standard for high visibility clothing in high risk situations. This standard is meant to increase visibility during daytime, twilight and at night. Its main objective is to reduce risks and to prevent accidents.

### Fluorescent vs retroreflective surfaces

EN ISO 20471 clothes include two important elements: **fluorescent materials** and **retroreflective striping**. The fluorescent materials react with the UV of light and guarantee better visibility during the day. They don't improve visibility at night. The retroreflective striping, on the other hand, sends the light back to its source. They only improve visibility at night by reflecting the lights of cars or other vehicles.

Two optical technologies are used for reflectivity. The glass beads technology is the most common, in which glass beads are coated with aluminum, bouncing back light. The micro-prism technology, on the other hand, creates a reflective effect by breaking off the light.

### EN ISO 20471 classes and surfaces



If you would like to learn more about EN ISO 20471's classes and the m<sup>2</sup> of fluorescent and retroreflective material, please have a look at the standard's page.

### EN 17353 enhanced visibility in medium risk situations

While EN ISO 20471 is used in high risk situations, EN 17353 is intended to provide visibility in medium risk situations. Protective clothing that complies with EN 17353 is suitable for people who don't need to wear EN ISO 20471 clothing according to their risk analysis.

### EN 17353 design colours

While for PPE in accordance with EN ISO 20471 only three colours (fluorescent yellow, fluorescent orange-red and fluorescent red) are allowed, EN 17353 allows a larger colour range:

- fluorescent yellow-green
- fluorescent yellow
- fluorescent yellow-orange
- fluorescent orange
- fluorescent orange-red
- fluorescent red
- fluorescent pink

### EN 17353 types and surfaces



If you would like to learn more about EN 17353's types and the m<sup>2</sup> of fluorescent and retroreflective material, please have a look at the standard's page.

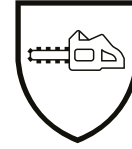
Even though these are European standards, each country still has its own interpretations. In Sweden, for example, it's mandatory to wear EN ISO 20471 class 3 protective garments even in the forest.



# CE Standards

***The SIP Protection products are developed for your client's protection. Compliance with legislation and standards plays an important role in the protection of people and their equipment. All of our SIP Protection products meet the CE stipulations and are CE marked.***

*The following European standards reflect the different levels of protective requirements. The higher the value for a parameter, the higher the level of protection.*



## **EN ISO 11393**

The European standard **EN ISO 11393** (supersedes **EN 381**) complies with protective clothing for chainsaw users. This norm is divided into different parts (or designs).

*Each part treats a specific part of the body.*

**The norm prescribes 4 classes** that correspond to the chain speed with which the tests have been done:

**CLASS 0**  
16 m/s

**CLASS 1**  
20 m/s

**CLASS 2**  
24 m/s

**CLASS 3**  
28 m/s



## EN ISO 11393-2: *Leg protectors*

Garments that comply with the EN ISO 11393-2 standard provide protection against hand-held chainsaws. The area that is protected are the legs. Chainsaw trousers are essential protective garments for anyone who is operating a chainsaw.

This part of European standard EN ISO 11393 specifies the demands for leg protection wear and defines three types (or designs) of leg protection wear, according to the kind of protection:



EN ISO 11393-2

### Type A

The chainsaw protective clothing of type A and type B are mainly intended to be used for forestry work by professional lumber jacks who have been trained and informed. (\*)

Type A (or front protection) covers each leg partly (180°) and 5 cm to the interior part of the right leg and 5 cm to the exterior part of the left leg.

Protection starts at max. 5 cm from the bottom of the leg and ends at min. 20 cm above the crotch.



### Type B

Type B is the description of an entirely new style: the Chainsaw Protective Chaps. (\*)



### Type C

The chainsaw protective clothing of type C are intended to be used by people who normally don't work with chainsaws or in exceptional situations.

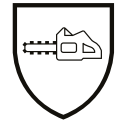
Type C covers each leg all around (360°) protection. The protection starts at max. 5 cm from the bottom of the leg and ends at min. 20 cm above the front of the side of the crotch and at min. 50 cm under the back side of the crotch.



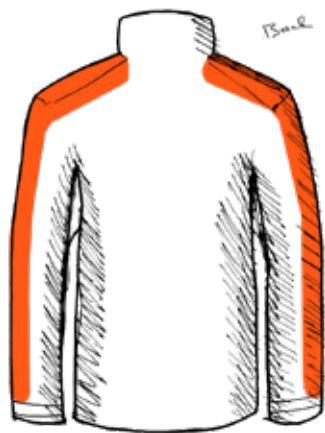
(\*) For types A, B and C the protection must be fixed permanently on the sides of the protective padding. The fixing of the protection must resist a force of min. 200 N. Class 0 (16 m/s) is not applicable to the EN ISO 11393-2 standard.

## EN ISO 11393-6: *Upper body protection*

Garments that comply with the European **EN ISO 11393-6** standard provide protection against hand-held chainsaws. The protected area is the upper part of the body. Two types can be distinguished.



EN ISO 11393-6

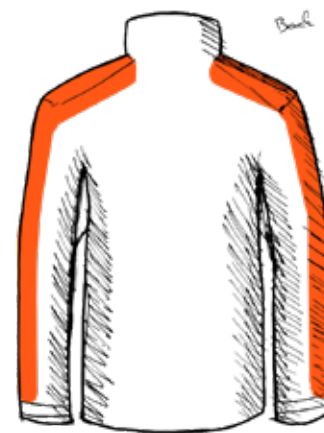


### *Type A*

The two type A images show the design of a chainsaw protective jacket according to standard EN ISO 11393-6:2019.

On both the front and back side of the jacket, the standard defines a minimum surface of protective inlay on the shoulders, arms and chest.

On the front side of the sleeves, the protective inlay must cover a minimum of 80% of the total surface and the non-protected surface from the end of the sleeves must not exceed 70 mm.



### *Type B*

The two images above show the design of a chainsaw protective jacket according to standard EN ISO 11393-6:2019 with additional full front protection.

Chainsaw jackets are more and more used for working on servicing platforms, for occasional use of the chainsaw or in exceptional and dangerous working circumstances. Our jacket, **1SIB**, meets the requirements of Type B in the EN ISO 11393 standard.

Basically, conception is the same as a normal standard jacket but protection of the abdomen (see picture) was added.



EN ISO 11393-4

## EN ISO 11393-4: *Protective gloves*

Garments that comply with the **EN ISO 11393-4** standard provide protection against hand-held chainsaws. Those garments protect your hands while working.

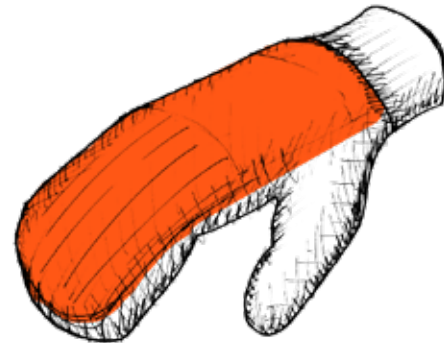
This part of European standard EN ISO 11393 specifies the demands for chainsaw protective gloves. Two different types can be distinguished

- **Type 1:** protection on left and right hand
- **Type 2:** protection on left hand only



### Design A

The **EN ISO 11393-4** standard **design A** for gloves describes a protection surface on the **back of the hand**. The protective surface must be minimum 110 mm wide and minimum 120 mm high at the highest point (without the fingers).



### Design B

The **EN ISO 11393-4** standard **design B** for gloves describes a protection on the **back of the hand and 4 fingers**. The protective surface must be minimum 110 mm wide and minimum 190 mm high from the base to the highest point.



# EN 381

The EN 381 standard was published in 1995 and *was replaced by EN ISO 11393 in 2020*. New certificates can still be delivered under EN 381 until 19 November 2021 and since those certificates are valid for 5 years, products can be sold until the end of their validity.

This standard is disappearing. A growing number of models are being transferred to EN ISO 11393.

## EN 381-5 Leg protectors

Garments that comply with the EN 381-5 standard provide protection against hand-held chainsaws. The area that is protected are the legs. Chainsaw trousers are essential protective garments for anyone who is operating a chainsaw.

This part specifies the demands for leg protection wear and defines three types (or designs) of leg protection wear, according to the kind of protection:

### Type A

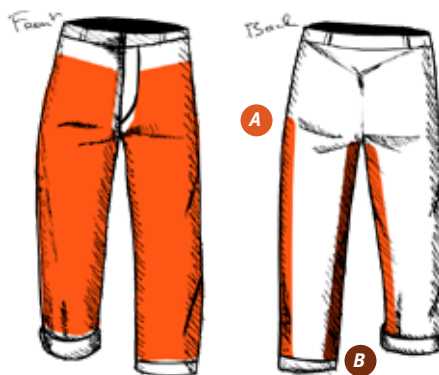
The chainsaw protective clothing of type A and type B are mainly intended to be used for forestry work by professional lumber jacks who have been trained and informed. (\*)

Type A (or front protection) covers each leg partly (180°) and 5 cm to the interior part of the right leg and 5 cm the exterior part of the left leg.

Protection starts at max. 5 cm from the bottom of the leg and ends at min. 20 cm above the crotch.

### Type B

Type B is identical to type A, but has an extra 5 cm of protection to the interior part of the left leg.



### Type C

The chainsaw protective clothing of type C are intended to be used by people who normally don't work with chainsaws or in exceptional situations.

Type C covers each leg all around (360°) protection. The protection starts at max. 5 cm from the bottom of the leg and ends at min. 20 cm above the front of side of the crotch and at min. 50 cm under the back side of the crotch.



(\*) For types A, B and C the protection must be fixed permanently on the sides of the protective padding. The fixing of the protection must resist a force of min. 200 N. Class 0 (16 m/s) is not applicable to the EN 381-5 standard.



EN 381-5

## EN 343

The **EN 343** standard for protective clothing provides protection against the effects of precipitation, such as rain and snowflakes, fog and ground humidity.



EN 343

## EN ISO 17249

Boots that comply with the **EN ISO 17249** standard provide protection against hand-held chainsaws.

### Chainsaw protective boots

A chainsaw boot is always a safety boot in the first place.

A boot complying to EN ISO 17249 automatically complies to EN ISO 20345 (safety boots). Therefore, a chainsaw boot does not have to be labelled EN ISO 20345.



EN ISO 17249

## EN 388

This standard applies to all types of gloves that provide protection against physical and mechanical hazards due to abrasion, cuts, puncture and tearing. The gloves' resistance is tested for each of those four mechanical risks.



EN 388

## EN ISO 20471

The European standard **EN ISO 20471** (supersedes EN 471) specifies the demands for high visibility clothing.



EN ISO 20471



## EN 17353

PPE conform to **EN 17353**, is intended to provide conspicuity of the wearer in medium risk situations under any daylight conditions and/or under illumination by vehicles headlights or searchlights in the dark.

### Enhanced visibility

The standard includes performance requirements for colour and retro-reflection as well as for the minimum surfaces and for the placement of the materials in protective equipment.

The standard refers to three types based on the foreseeable conditions of use



EN 17353

#### Type A

Equipment to use where the risk of not being seen exists only at daylight conditions. This PPE uses only fluorescent materials.



EN 17353

#### Type B

Equipment to use where the risk of not being seen exists only at dark conditions. Type B is subdivided in 3 levels and uses only retroreflective materials.

- B1 includes free hanging retroreflective devices – designed for movement recognition.
- B2 includes retroreflective devices or materials, either temporarily or permanently placed on the limbs only. They are designed for movement recognition.
- B3 includes retroreflective material placed on torso, designed for form recognition, or retroreflective material placed on torso and limbs designed for form and movement recognition.



EN 17353

#### Type AB

Equipment to use where risk of not being seen exists during daylight, twilight and dark conditions. This type AB uses the fluorescent as well as the retro-reflective and/or combined enhanced visibility components.



EN 17353

### Minimum surfaces

Minimum areas of materials (in m<sup>2</sup>) for types B1 and B2

|                          | B1    | B2    |
|--------------------------|-------|-------|
| Retroreflective material | 0.003 | 0.018 |

Minimum area (in m<sup>2</sup>) of materials incorporated for users with a height range > 140 cm<sup>2</sup>

|                               | A    | B3   | AB   |
|-------------------------------|------|------|------|
| Fluorescent material          | 0.24 | -    | 0.24 |
| Retroreflective material      | -    | 0.08 | 0.08 |
| Combined performance material | -    | -    | 0.24 |

### Minimum surfaces

Equipment to use where the risk of not being seen exists only at dark conditions. Type B is subdivided in 3 levels and uses only retroreflective materials.

- Not less than 40% of the minimum surface of the fluorescent and/or retroreflective material is present on both the front and the back when laid flat.
- Not less than 10% of the minimum surface of the fluorescent and/or retroreflective material is present on both the right and left sides when laid flat.

### Performance of the materials

Whereas EN ISO 20471 only refers to fluorescent yellow, fluorescent orange-red and fluorescent red, **EN 17353 allows more colours:** fluorescent yellow-green ; fluorescent yellow ; fluorescent yellow-orange; fluorescent orange; fluorescent orange-red ; fluorescent red, and fluorescent pink.

The specifications on retroreflective materials for B2, B3, AB2, AB3 are identical to EN ISO 20471. The performance of retroreflective materials for B1 devices are identical as in EN 13356.

# Test methods

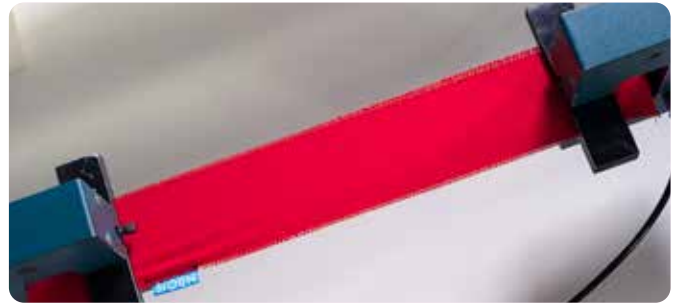
**O**ur R&D department combined with having our own in-house testing laboratory is what drives our innovative spirit. It enables us to create state-of-the-art protective garments, to efficiently test them and to adapt them to your needs. We can swiftly respond to new requirements and standards.



## Chainsaw rig

**EN ISO 11393**

Even before the first Chainsaw Standard EN 381 was published in 1995, we had our own test rig. It took us more than 250 tests with different materials and fabric combinations to launch the **world's first 6 layer blocking material compliant to EN 381.**



## Tensile strength of outer fabric

**EN ISO 13934-1**

During the test the material has to present a minimum tensile strength of 450 N.



## Tear strength single tear method

**EN ISO 13937-2**

The outer material has to present a minimum tear strength of 25 N when the fabric already presents a tear.



## Tensile strength of the seams

**EN ISO 13935 2**

The principal seams of the outer material have to present a minimum tensile strength of  $\geq 225$  N.





## Water penetration resistance

### EN 20811

This test submits the assembly to hydrostatic pressure. The water penetration resistance has to reach one of the following levels:

**Class 3  $\geq 13\ 000\ Pa$ :** for the parts of the garment without waterproof barrier

**Class 4  $\geq 20\ 000\ Pa$ :** for the parts of the garment with waterproof barrier



## Water vapour resistance

### EN 31092

The entire assembly is tested to verify the breathability of the assembly. This standard determines 2 levels of resistance limiting breathability:

**Class 1 =  $R^{et} > 40$**

**Class 2 =  $25 < R^{et} \leq 40$**

**Class 3 =  $15 < R^{et} \leq 25$**

**Class 4 =  $R^{et} \leq 15$**



## Crumple flex

### EN ISO 7854/B

This is a bi-directional flex fatigue test performed on waterproof outer fabrics as a pretreatment to determine the durability, the resistance to damage by flexing.

After 9000 flexing cycles the hydrostatic head pressure test is performed.



## KWF certification

***T***he KWF is the competence centre for forestry work, forestry technology and wood logistics in Germany and Europe and provides advice to all key players in the forestry, wood and bio-energy sectors.

### ***KWF Services GmbH***

“The German Center for Forest Work and Technology (KWF) is a registered non-profit association and is supported by more than 2000 members. The KWF is the competence centre for forestry work, forestry technology and wood logistics in Germany and Europe and provides advice to all key players in the forestry, wood and bio-energy sectors. It is available as an interlocutor to everybody. As a transnational non-profit organisation, the KWF focuses on all major tasks for securing the future, avoiding accidents and protecting the environment in a precautionary way. This makes the KWF exemplary for a joint, efficient and future-oriented execution of tasks by the German Federal Government and the Federal States.

The KWF is the only organisation that examines and certifies forestry technology, tools, supplies and protection equipment at the national and transnational level. In doing so, the KWF grants the coveted trade-in value mark, the KWF test mark, but also the DPLF (German Test Center for Agricultural and Forestry Machinery) mark and the GS (Tested Safety) mark. Furthermore, the KWF fulfills a cross-sectional function bridging the worlds of research, practice and industry for the areas of forestry, wood and bio-energy. In these areas, the association is also available as a project partner.

### ***SIP Protection’s collaboration with KWF***

In accordance with the activities of SIP Protection (being the Forestry and Arboricultural Outfitters), we have a good collaboration with KWF on different levels.

1. **KWF’s daughter DPLF is an accredited Notified Body to certify Chainsaw Protective PPE:**  
KWF performs cut-tests, and other required tests according to both **EN 381** and **EN ISO 11393**, and KWF issues the EU type examination certificates for this PPE.
2. **KWF helps us with our quality assurance assessment:**  
Following the regulation 2016/425, chainsaw protective PPE is an item of risk category III. Sioen/SIP Protection has chosen for a quality assurance based on the production process – module D. We arrange on our testrig quality checks, but we send regularity stock items (jacket/trousers) to KWF to have a comparable check.
3. **KWF awards the KWF quality mark:**  
In simple words, **EN 381** gives you an answer regarding the safety of your chainsaw garment, an FPA approval gives you a good indication about comfort and the lifetime quality of your garment, based upon a full year wearing test in 12 different locations, by professional users.

***There exist 3 different types of KWF quality mark related to chainsaw protective garments →***



## KWF - Profi

Technical tools for forestry, which have been thoroughly tested by the KWF, are distinguished with the “KWF-PROFI” signature. They comply to all requirements of current technical standards, particularly economic, security, ergonomic and ecological standards. The tests include technical measurements, practical tests in forestry and enquiries about the application of the tools. In case of positive results, the competent test committee decides on the “FPA approved” and, if necessary, on the obligation of further improvements.

The new test approval sign will replace the previous sign “KWF-Gebrauchswert” and the older FPA sign (technical forestry test committee of the KWF), which has been the emblem for approved forestry techniques for over 50 years. The new sign is identical in content, but at the same time it refers to the competent test authority by means of the KWF logo. Look for this logo for products already certified.

Our *Samurai chainsaw trousers 1SRL* and matching jacket are an example of KWF-Profi labelled products.



## KWF - Standard

The newly introduced KWF sign carries the name “standard”. All the test objects, PROFI as well as STANDARD, go through a series of use value tests (practice tests). All safety aspects must under any given circumstance be fulfilled in order to achieve one of the two KWF approvals. The KWF approval “standard” is especially applicable to products of the highest expectations being used in professional logging applications. It can be obtained, according to the product group, based on used materials, wearing comfort, weight and similar criteria.

For most product groups, these criteria are fixed. They are constantly adapted according to the latest technologies. Thanks to the new label “KWF-standard”, the occasional user – for instance a person who cuts firewood – can with proven certainty rely on a satisfying product, within the limits of his budget.

Our *Flex trousers 1XSP* are an example of KWF-Standard labelled products.



## KWF - Test

With the label “KWF-test” products are selected that have been successfully tested for specific properties for instance measuring equipment for crane harvesters, function for tire pressure controllers etc... For forestry clothing this would be a specific characteristic such as “high wearing comfort”. The KWF-test label is a sign of approval of the tested characteristics. The *1SSP outdoor trousers* are an example of a KWF-test labelled product.

# Qualities & Fabrics

**A**t SIP Protection, we only use the best fabrics for our garments. The fabric choice is extremely important, as it is decisive for both protection and ergonomics. Every product range has its own specific requirements.

Below you'll find a quick overview of the fabrics used

pezatec

## Pezatec

Very light fabric that nonetheless presents excellent performances in terms of abrasion resistance and tensile strength.

100% high tenacity polyamide Cordura® — ± 150g/m<sup>2</sup>

pezatec aqua

## Pezatec aqua

Very light waterproof fabric that nonetheless presents excellent performances in terms of abrasion resistance and tensile strength.

100% high tenacity polyamide Cordura® with polyurethane coating — ± 200g/m<sup>2</sup>

pezaflex

## Pezaflex

Light and yet very robust 2-way stretch insert fabric.

94% high tenacity polyamide Cordura® - 6% elasthane — ± 200g/m<sup>2</sup>

FREEDOM 2

## Freedom 2

Highly durable 2-way stretch fabric.

93% polyamide - 7% Spandex — ± 240g/m<sup>2</sup>

TEXXION

## Texxion

Hard wearing and very durable 4-way Ripstop fabric with an exceptional abrasion resistance and tensile strength.

86% high tenacity polyamide Cordura® - 14% spandex — ± 240g/m<sup>2</sup>

TEXXION HV

## Texxion HV

The hi vis version of our renowned Texxion fabric, combining the comfort of 4-way stretch and the durability of ripstop.

89% polyester - 11% elasthane — ± 250g/m<sup>2</sup>

TEXXION PES

## Texxion PES

Very light waterproof fabric that nonetheless presents excellent performances in terms of abrasion resistance and tensile strength.

89% polyester / 11% elasthane

TEKTOR

## Tektor

A laminated reinforcement that is waterproof and woven with the Ripstop method resulting in an excellent resistance. For use in wet and extreme working conditions.

86% polyester - 32% polyamide - 100% polyurethane coating — ± 345g/m<sup>2</sup>

**BasePro-Tec**

**BasePro-Tec**

The classic but faithful polyester- cotton blend that no longer needs to promote itself. Robust yet lightweight version of a classic fabric.

65% Polyester - 35% cotton

**BasePro Tec HV**

**BasePro-Tec HV**

Hi vis version of our (APAP) fabric

80% Polyester - 20% cotton



**Hydura**

Reinforcement fabric that keeps water out and at the same time has a good abrasion resistance.

100% polyamide - PVC coating  
— ± 255g/m<sup>2</sup>



**Flexothane®**

Flexothane®, a technical fabric that offers you an excellent protection. The polyurethane coating on a stretchable knitted base makes Flexothane® water and windproof, comfortable, noiseless, 150% stretchable, supple, highly tear resistant and machine washable.



**Siocool Light**

Highly breathable fabric with inherent anti-bacterial properties that eliminate odour-causing germs.

100% Sio-cool® Light (polyester) birdeye — ± 130g/m<sup>2</sup>



**Siopor® Ultra**

Siopor® Ultra is totally water and windproof, breathable, extremely comfortable, supple and machine washable. The high degree of breathability offers you an excellent comfort, which makes it pleasant to work in all weather conditions.

100% polyester fabric with  
100% PU coating — ± 195g/m<sup>2</sup>



**Brands that we use →**



**Teflon®**

Durable finish that is water- and dirt repellent. Very quick-drying.



**Cordura®**

Fabric that offers an exceptional abrasion and tensile strength performance.



**Dyneema®**

Chainsaw protective yarns that are up to 25% lighter than traditional chainsaw protection.

# Wash & care

## How to take care of chainsaw protective clothing?

**The protective system used in SIP Protection clothing is a combination of a number of immobilisation and speed reduction principles of the chainsaw.**

Because of the unique features of the SIP Protection anti-cut material, we can manufacture products that comply with the European Standard **EN 11393**, and that are light, comfortable and easy to maintain.






**Maintenance is of utmost importance** to make sure that the independent layers within the protective inlay do not stick together, or are damaged in any way, thus decreasing the level of protection.









Compare it, if you will, to a car. Without occasionally servicing your brakes, you won't be driving safely. Each garment you will get comes with a separate manual about how to properly wash and dry. Please wash your protective garment before use.

Whenever you have a question on the maintenance of your garment, please carefully read the user instructions that are added to every single packaging.

**Find the correct washing instructions on the label in your garment.**

**Below you'll find a summary of the meaning of the wash & care symbols.**

|   |   |
|---|---|
|    | Normal washing at advised temperature   |
|   | Max. at the advised temperature / reduced mechanical action / rinsing at decreasing temperature (cooling down) / reduced spinning |
|  | Hand wash only / no machine wash / max. 40° / handle with care  |
|  | Do not wash   |
|  | Do not use chlorine-based bleach  |
|  | Tumble drying / normal cycle  |
|  | Tumble drying / lower cycle   |
|  | Do not tumble dry   |
|  | All solvents normally used  |

|   |   |
|---|---|
|    | All solvents except trichlorethylene      |
|   | Only petroleum solvents and R113          |
|  | Limited movements                         |
|  | Do not dry clean                          |
|  | High max. 200°C                           |
|  | Max. 150°C                                |
|  | Low max. 110°C steam-ironing may be risky |
|  | Do not iron / no steam treatments         |



## When to go for new chainsaw protective clothing?

*This depends entirely on the frequency of use. When maintained properly, the quality of our products assures adequate protection for a maximum amount of time.*

The lifetime of your trousers will depend on the intensity of use (are you a daily or occasional user), on the roughness of the environment (thorns, ...) and on the style of trousers you have selected. If your garment's protection is damaged, you can no longer use it.

## What are the main causes of a possible decrease in the level of protection?



### Dirt & grease

Substances such as resin, chainsaw oil, gasoline, ... might potentially soil the protective inlay and might cause the independent protective layers to stick together.



### Heat

Direct contact with a heat source e.g. a hot motor can induce a crusting or burning through process, damaging the protective inlay and shortening the independent fibres.

Be careful, even if your outer fabric is not visibly damaged by a heat source, the fibres that lie beneath it may have suffered from the heat, resulting in a reduced level of protection.



### Shrinkage / Tumble drying

Shrinkage decreases the level of protection because it might significantly reform the original shape of the protective layer. Tumble drying of chainsaw protective clothing might disturb the shape of the protective inlay, lowering efficiency.



### Wrong stitching

Never stitch through the protective inlay (only the outer fabric may be repaired) as this will decrease the immobilisation process in case of an accident. Of course, cutting off a piece of the trousers decreases the level of protection.

# ABOUT SIP PROTECTION





# ABOUT SIP PROTECTION

*Our story starts as early as the 1970s*

From being a French manufacturer of regular trousers over being the first to develop chainsaw trousers with only six layers of blocking material to becoming part of the Sioen Industries Group.

# SIP Protection history



## 1970

### **Foundation of SIP**

SIP Protection's story starts in 1970. S.I.P. stands for **Société Industrielle de Prêt-à-porter**, and was founded on the 1st Jan of that year in Foix, a town in the South West of France.

During many years, SIP was a manufacturer of regular trousers for many of the French retailers. Only in the early 1990s, SIP gets involved with chainsaw protection.

### **The road towards comfort**

At that time, only the bigger chainsaw brands were offering this type of protective clothing. Then, chainsaw trousers did offer protection against chainsaws, but they were heavy and uncomfortable. While they might have been suitable for the milder climate in Sweden and Northern Germany, those 14 layers of blocking material were definitely not suited for the warm summers in the South West of France.

That's why SIP set a step backwards, looked at the options, and developed a new type of blocking material together with a French supplier, containing Kevlar® fibres. That made it possible to drastically reduce the number of layers necessary to offer the same level of protection. In those days, the standards weren't even available yet.

## 1991

### **Start of chainsaw protective clothing**

The husband of one of the ladies in SIP's production worked as a teacher in a nearby forestry school. As he worked with chainsaws, he introduced SIP to chainsaw protective clothing. This type of garments originated from Scandinavia via Germany and was later introduced in France.



## 1994

### *SIP Protection is born*

In 1994, things get serious. An EN standard is about to come, and in order to make a distinction between the regular business (trousers for daily and leisure use) and the PPE side, a new company is created: **SIP Protection**. What's in a name? Making a clear statement, we are SIP, we know how to make trousers, but now we also offer Protection. Chainsaw protection. SIP Protection.

As a logo, the Rhino is chosen. In the same way as the Rhino's skin protects him against the teeth and the claws of the lion, SIP Protection wants to protect the wearer against the teeth and claws of the chainsaw.



## 1995

### *In-house testing*

From one of the European Notified Bodies, SIP Protection buys one of the older test rigs, and starts to develop protective equipment according to this new anticipated standard. More than 250 different combinations and tests are needed, but at the publication of the standard, in 1995, SIP Protection managed to offer the first ever trousers on the market with only 6 layers of blocking material.



## 2023

### *Our collection*

For many, many years, SIP Protection is the only brand capable of offering this level of comfort. Now it has become the standard. At the time, we only had one range on stock, the "Tradition Range", available in green, navy and hi vis colours. We hope that you will find your way to our current collection, where we try to offer a solution for all your needs and requirements. We are always sticking to our development and design. We are SIP Protection.



# Part of Sioen

Sioen Apparel includes multiple brands: Sioen Professional Protective Clothing, Sioen Fire Clothing, Sioen Ballistics, SIP Protection, Mullion, Ursuit, VanOchten and Baleno. Each brand has its own identity.



**SIP Protection**  
[sip-protection.com](http://sip-protection.com)



**Professional Protective Clothing**  
[sioen-ppc.com](http://sioen-ppc.com)



**Sioen Firefighter Clothing**  
[sioenfire.com](http://sioenfire.com)



**Sioen Ballistics**  
[sioenballistics.com](http://sioenballistics.com)



**Mullion**  
[mullion-pfd.com](http://mullion-pfd.com)



**Ursuit**  
[ursuit.com](http://ursuit.com)



**VanOchten**  
[vanochten.nl](http://vanochten.nl)



**Baleno**  
[balenoclothing.com](http://balenoclothing.com)



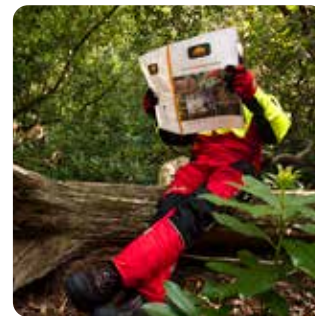
## Part of the Sioen Industries Group

Sioen Apparel is one of the three divisions of Sioen Industries (founded in 1960). In addition to Sioen Apparel, there are two other divisions, Sioen Coating, world leader in coated technical textiles and Sioen Chemicals, specialists in fine chemicals.

# Corporate Social Responsibility (CSR)

*Together we can change the world.*

By continuous improvement of all aspects of sustainability as an integral part of our strategy and of what every employee in our companies does every day — day in and day out.





## SIP Protection

SIP Protection is **part of the Sioen Group**. Being a large international company, we are aware of our social, environmental and economic responsibilities in society. Therefore, **Corporate Social Responsibility is an integral part of our company strategy**.

## Sioen's Corporate Social Responsibility

“The responsibility a company has when it comes to the effects they have on society, taking into account social, environmental and economic considerations into the overall management” - Belgian Federal Government

On our dedicated **Corporate Social Responsibility (CSR) website**, you can find the many actions Sioen is involved in. Those include sponsorships, sustainable products, the umbrella associations we are part of and the certificates we hold, among others.



**Rising You**  
We climb. We rise. We shine.

Sponsorship of climbing garments, helping refugees to find a job



Interested in finding out more about our actions? Go to our dedicated Sioen CSR website.

## Our CSR approach

Our CSR approach is based on four different views. The first one is the United Nations' 17 sustainable development goals (**SDGs**), which address the global challenges we face, including poverty, inequality, climate change, environmental degradation, peace and injustice. The second view is based on the Triple Bottom Line framework: **People, Prosperity and planet**. We have added two more “P’s”: **Partnership and Peace**. This 5 P’s approach helps us measure our business when it comes to sustainability.

For the third view, we have selected five topics that we call our Sioen Focal Points. The topics that we will give extra attention are: energy, waste, sustainable products, credentials and human resources. Our final view focuses on certificates, memberships and awards. They reflect our dedication to CSR-related themes, and they prove that what we’re claiming are not just hollow words.







# Style Index

|                                       |     |                                    |     |                                    |     |
|---------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|
| 1RB4 .... Greenkeeper Vent.....       | 153 | 1SNA.... Arborist .....            | 42  | 2SA5.... <b>2SA5</b> .....         | 141 |
| 1RB5 .... Greenkeeper Vent Flash..... | 155 | 1SNS.... Arborist HV .....         | 43  | 2XA2.... <b>2XA2</b> .....         | 137 |
| 1RB8 .... Greenkeeper .....           | 152 | 1SP4 .... <b>1SP4</b> .....        | 113 | 2XD1.... <b>2XD1</b> .....         | 138 |
| 1RBC.... Greencilipper .....          | 153 | 1SPO.... Ninja.....                | 54  | 2XD2.... <b>2XD2</b> .....         | 138 |
| 1RBK.... Handy Flash .....            | 155 | 1SPV .... Innovator .....          | 30  | 2XD3.... <b>2XD3</b> .....         | 139 |
| 1RC1.... Roadrunner.....              | 78  | 1SQC.... <b>PRO-Gression</b> ..... | 45  | 2XD4.... <b>2XD4</b> .....         | 139 |
| 1RG1 .... Aspin .....                 | 80  | 1SRL .... Samurai .....            | 39  | 397A.... <b>397A</b> .....         | 123 |
| 1RG6 .... Aspin C .....               | 85  | 1SRR .... Keiu .....               | 109 | 3SA3.... <b>Superforet</b> .....   | 129 |
| 1RK1.... Sarnac .....                 | 81  | 1SRV .... Tracker Defense .....    | 105 | 3SC1 .... <b>Forestproof</b> ..... | 133 |
| 1RJ1..... Portet .....                | 81  | 1SS5 .... Gecko .....              | 99  | 3SIC.... <b>Grizzly 2.0</b> .....  | 129 |
| 1RP1.... Perthus.....                 | 75  | 1SSH.... <b>1SSH</b> .....         | 101 | 3XA2.... <b>Timber 2.0</b> .....   | 131 |
| 1RP6 .... Perthus C .....             | 84  | 1SSP .... <b>1SSP</b> .....        | 100 | 4SC6.... <b>4SC6</b> .....         | 147 |
| 1RQ1 .... Perthus Flash.....          | 87  | 1SSR .... Tracker.....             | 103 | 4SC8.... <b>4SC8</b> .....         | 147 |
| 1RQ3.... Perthus Flash 3 .....        | 88  | 1SSV .... <b>1SSV</b> .....        | 101 | 4SD1.... <b>Rockman</b> .....      | 145 |
| 1RT1 .... Roadrunner Flash .....      | 89  | 1ST8 .... <b>1ST8</b> .....        | 158 | 561A .... <b>Tibet</b> .....       | 117 |
| 1RX2 .... Ventoux 2 .....             | 76  | 1ST9 .... <b>1ST9</b> .....        | 91  | 596A.... <b>Atlas 90</b> .....     | 167 |
| 1RX3 .... Ventoux 3.....              | 77  | 1STE.... <b>1STE</b> .....         | 161 | 5SA3 .... <b>5SA3</b> .....        | 158 |
| 1SAL .... Samurai HV .....            | 41  | 1SWS ... Fuyu.....                 | 115 | 5SA7 .... <b>5SA7</b> .....        | 168 |
| 1SBD.... Canopy AIR-GO .....          | 25  | 1SX1.... <b>1SX1</b> .....         | 142 | 5SAE .... <b>UP</b> .....          | 172 |
| 1SBF .... Canopy AIR-GO Donna.....    | 27  | 1SX4 .... <b>1SX4</b> .....        | 159 | 5SAL .... <b>5SAL</b> .....        | 159 |
| 1SEK .... Sekkos.....                 | 169 | 1SX9 .... <b>1SX9</b> .....        | 91  | 5SD4.... <b>5SD4</b> .....         | 164 |
| 1SIB .... Forest Pro-tect .....       | 49  | 1SXA .... <b>1SXA</b> .....        | 143 | 5SD5.... <b>5SD5</b> .....         | 164 |
| 1SIV .... <b>1SIV</b> .....           | 31  | 1SXG .... <b>1SXG</b> .....        | 133 | 5SD6 ... <b>5SD6</b> .....         | 165 |
| 1SJ3 .... <b>1SJ3</b> .....           | 113 | 1SXT .... <b>X-Tick</b> .....      | 107 | 647A.... <b>Hoodie 2020</b> .....  | 170 |
| 1SKJ .... Forest Pro .....            | 47  | 1SY1.... <b>1SY1</b> .....         | 143 | 648A.... <b>Bandino</b> .....      | 171 |
| 1SKK .... Forest Pro Flash.....       | 48  | 1XRP .... <b>ReFlex</b> .....      | 65  | 653A.... <b>Tundra</b> .....       | 121 |
| 1SKO.... Shinobi.....                 | 55  | 1XRU .... <b>T-Flex</b> .....      | 67  | 697A.... <b>697A</b> .....         | 123 |
| 1SKV .... <b>1SKV</b> .....           | 31  | 1XSK .... <b>1XSK</b> .....        | 69  |                                    |     |
| 1SLR .... Keiu .....                  | 108 | 1XSP .... <b>Flex</b> .....        | 63  |                                    |     |
| 1SLW.... W-AIR .....                  | 29  | 1XT2.... <b>1XT2</b> .....         | 79  |                                    |     |
| 1SMR ... Keiu HV .....                | 111 | 2SA3.... <b>2SA3</b> .....         | 140 |                                    |     |
| 1SMW .. W-AIR .....                   | 29  | 2SA4.... <b>2SA4</b> .....         | 141 |                                    |     |

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