EXIMIUS

1BVDC0ZC0

TACTICAL VEST

The EXIMIUS is a modular intervention vest specifically designed for police and high risk SWAT teams. Incorporating removable collar, groin, shoulders and upper arms protection, It allows the wearer to adjust the protection to suit any mission. Made of a high abrasion resistant and flame retardant Cordura. A heavy-duty load bearing webbing system provides a quick 360° attachment of MOLLE compatible pouches and accessories. This model incorporates removable side hard plate insert pockets and front and back plate pockets too. The patented biceps system maximises the protection for upper arms. A reinforced drag handle in the back completes this modular design.

Exterior

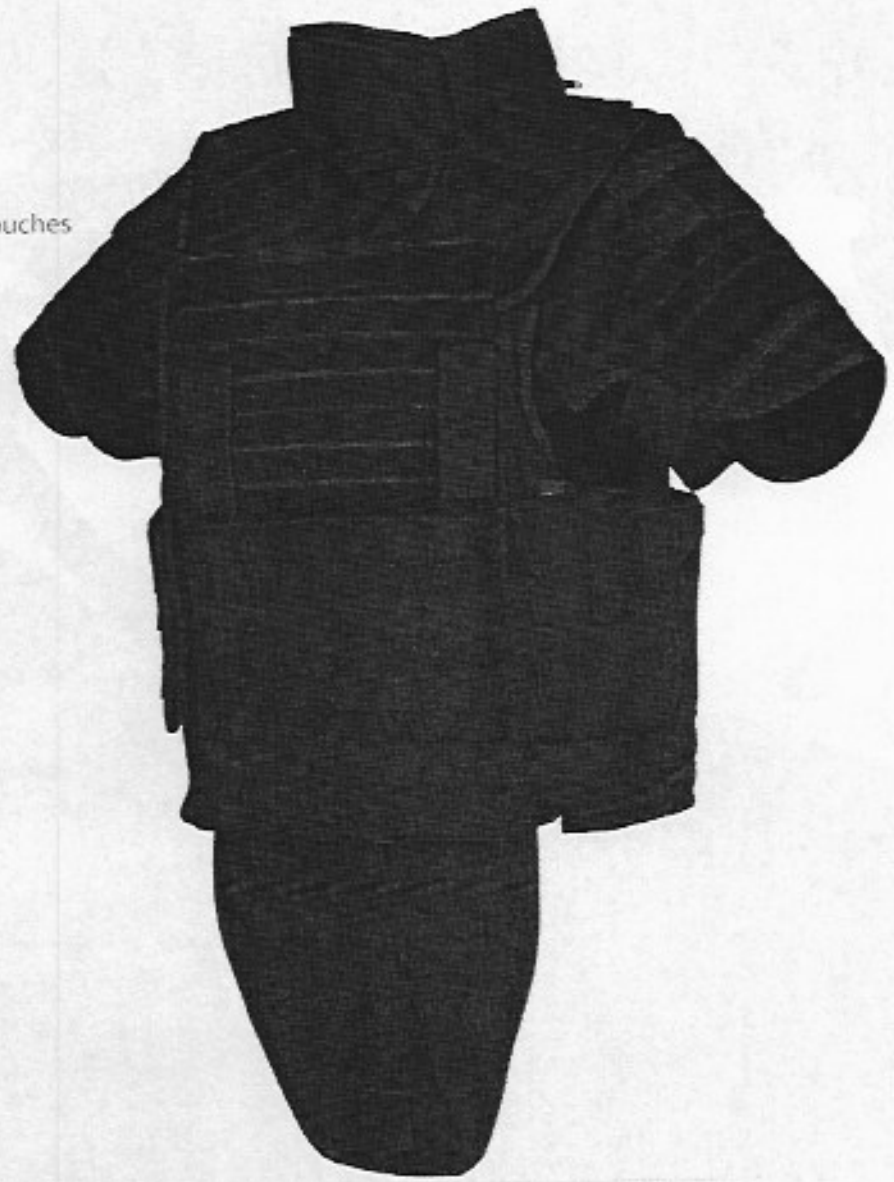
- Adjustable shoulder closures with touch and close fastening
- Adjustable side closures with touch and close fastening
- MOLLE ribbon to attach different pouches
- Cable guiding system in the front
- MOLLE ribbon to attach different pouches
- Front and back velcro for logo
- Durable touch and close fastener
- 360° Molle
- External evacuation handle
- Front, back and side plates

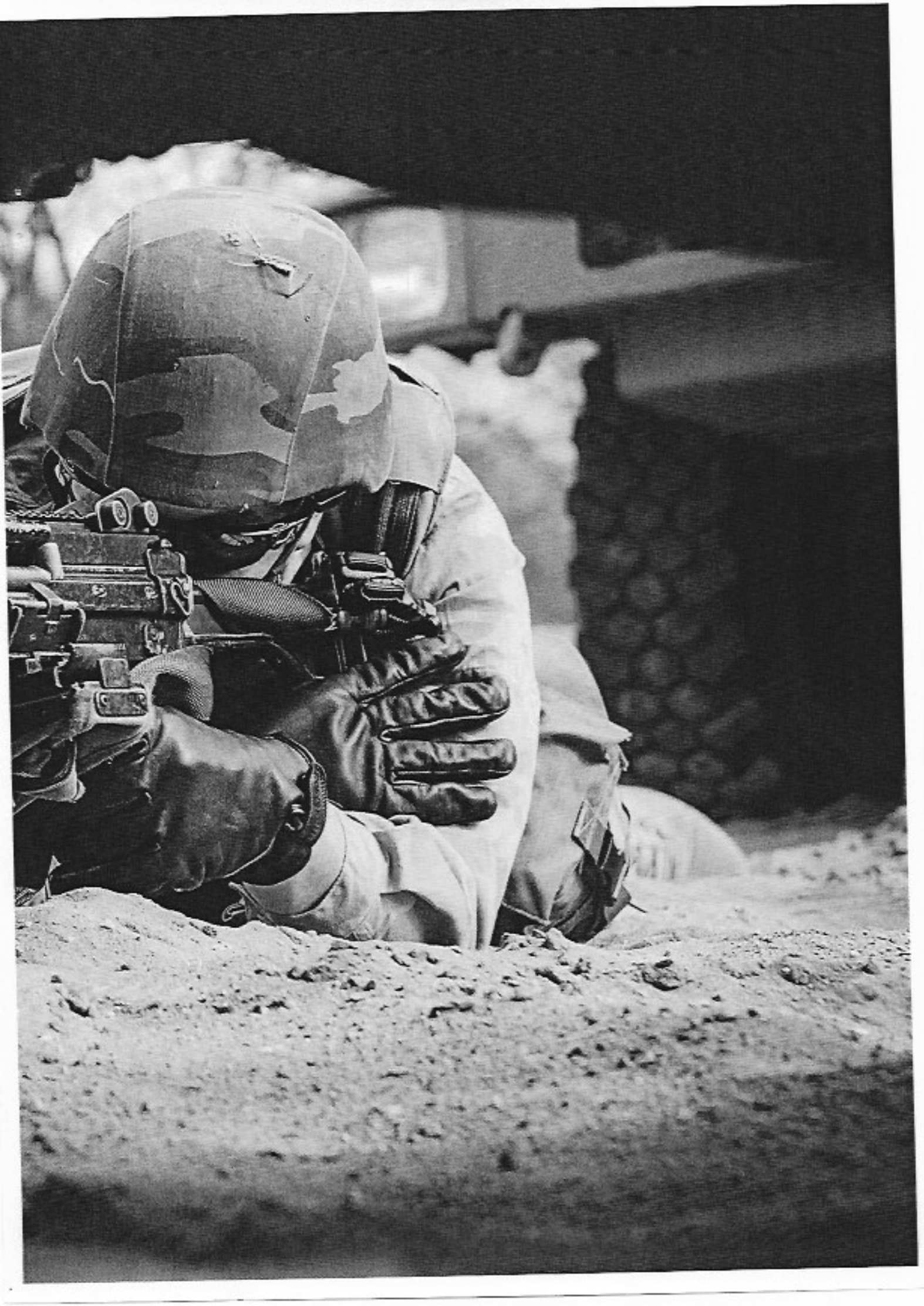
Interior

- Heat and sweat management by 3D Spacer technology
- Elastic belly belt
- Strong external fabric

Colour

- NS0 Black
- AS0 Olive Green



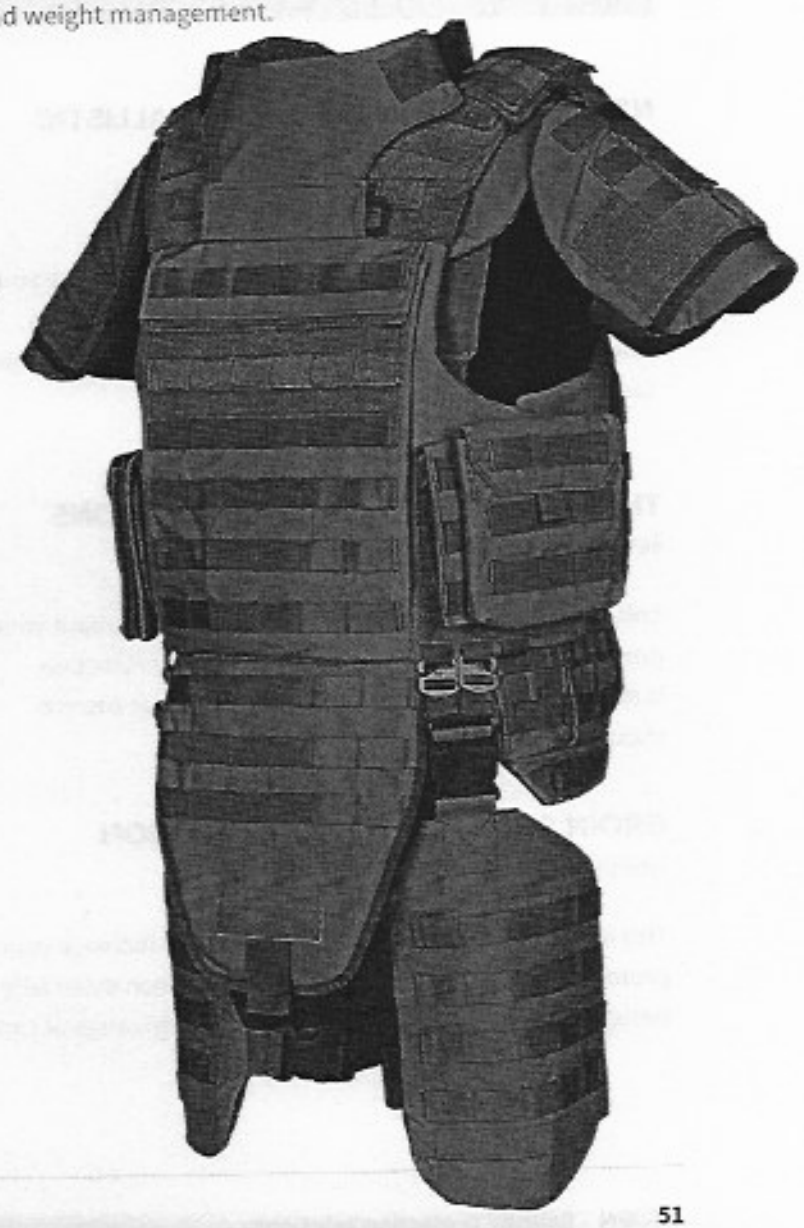


TACTICUM VEST

1BVEC0Z00

TACTICAL VEST

The TACTICUM VEST is an upper body protective vest which can be equipped with any additional protective modules, depending on the needs. The different modules of protection are throat, neck, shoulders, upper arms, battle belt, groin and upper legs. Particularly dedicated to full body protection for more static mission while assuring great ergonomics and comfort. Latest materials for better sweat management and air ventilation. GT Cobra buckles on shoulders for easy doffing. 360° PALS/MOLLE areas allowing an import load with an easy body mapping. Battle belt helps the user with a more important balanced load / weight distribution. Ballistic protection levels for all vital parts and scalable according to the mission. These protection levels can be increased by means of insert plates. The driving concept for the modular Tacticum vest has been the combination of optimal ballistic protection, wear comfort and weight management.



Exterior

- Adjustable shoulder closures with touch and close fastening
- Adjustable side closures with touch and close fastening
- MOLLE ribbon to attach different pouches
- Front and back velcro for logo
- Durable touch and close fastener
- 360° Molle
- External evacuation handle
- Removable anti-slip pads on shoulders
- Front, back and side plates

Interior

- Heat and sweat management by 3D Spacer technology
- Elastic belly belt
- Strong external fabric

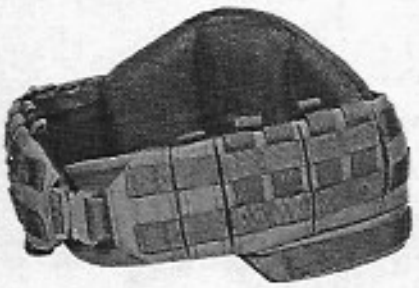
Colour

- NS0 Black
- AS0 Olive Green

BATTLE BELT SOFT BALLISTIC PROTECTION

1BVLC0Z00

This battle belt increases the ballistic protection surface at the belt area. Its specific design (shape and 3D spacer) allows a better distribution of the load and therefore relieves the soldier. It also has been especially designed to be compatible with the Tacticum range of carriers.



PROTECTION FOR LEGS

1BVGC0Z00

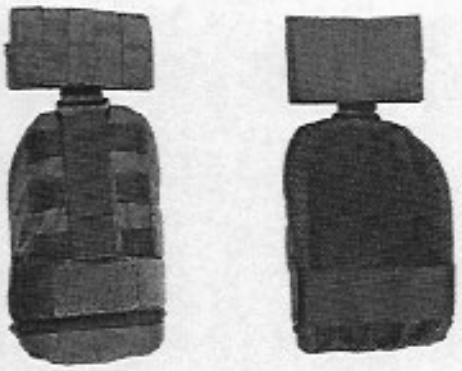
The CRURA protective accessories are dedicated to protect the lower part of the legs against different threats. This level of protection is scalable depending on the need of the end user. Its design, simple but effective, allows a quick donning and doffing when needed. The use of strong materials (fabrics, elastic band, 3D spacer, velcro's) provides it with the necessary resistance for that kind of product. An ideal product to enhance the protection surface for users and for securing ballistic lower area safety when using shields in operations.



UPPER ARMS SOFT BALLISTIC PROTECTIONS

4BVFC0Z00

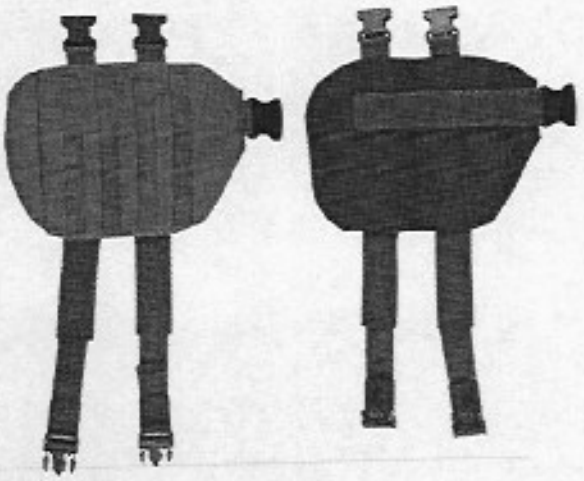
These removable ballistic panels allow you to increase your protective surface at the upper arms (biceps). They have been especially designed to be compatible with the Tacticum range of carriers.



UPPER LEG SOFT BALLISTIC PROTECTION

8BVFC0Z00

These removable ballistic panels allow you to increase your protective surface at the upper legs. They have been especially designed to be compatible with the Tacticum range of carriers.



TACTICUM PLATE CARRIER

1BVFC0Z00

TACTICAL PLATE CARRIER

The TACTICUM PLATE CARRIER is an upper body plate carrier which can be equipped with any additional protective modules, depending on the needs. Hard plate carrier as a base on which we can add the following modules of protection : throat, neck, shoulders, upper arms, battle belt, groin and upper legs. Specially designed for full body protection for dynamic missions while assuring great ergonomics and comfort. Latest materials for better sweat management and air ventilation. 360° PALS/MOLLE areas allowing an import load with an easy body mapping. A battle belt helps the user with a more important balanced load / weight distribution. Ballistic protection levels for all vital parts and scalable according to the mission. As for the vest version, the driving concept for the modular Tacticum plate carrier has been the combination of optimal ballistic protection, wear comfort and weight management.

Exterior

- Adjustable shoulder closures with touch and close fastening
- Adjustable side closures with touch and close fastening
- MOLLE ribbon to attach different pouches
- Cable guiding system in the front
- Front and back velcro for logo
- Durable touch and close fastener
- 360° Molle
- External evacuation handle
- External front and back plate pocket (dimension plates: width: 25 cm / height: 30 cm)



Interior

- Heat and sweat management by 3D Spacer technology
- Strong external fabric

Colour

- NS0 Black
- AS0 Olive Green
- E7I Coyotte IR

FLASH

1BVJC0Z00

QUICK RELEASE SYSTEM PLATE CARRIER

The FLASH plate carrier is specially designed to offer maximum comfort and flexibility. The plate carrier gives you the possibility of wearing when needed some hard ballistic protections on front, back and sides too. 360° PALS/MOLLE system over its entire surface. Very easy to put on, freedom of movement, very comfortable, easy to adjust thanks to Velcro's systems on the shoulders and an elastic ribbon-based system on the sides. The carrier is equipped with a true 4 points QRS (Quick Release System), a 3D spacer lining enhances the comfort, a dorsal extraction strap is also present. An internal fixing system of the hard plates will ensure a good positioning of the plates and this even during chase. Field tested by several European Polices.

Exterior

- Adjustable shoulder closures with touch and close fastening
- Adjustable side closures with touch and close fastening
- MOLLE ribbon to attach different pouches
- Cable guiding system in the front
- Front and back velcro for logo
- Durable touch and close fastener
- 360° Molle
- External evacuation handle
- External front and back plate pocket (dimension plates: width: 25 cm / height: 30 cm)

Interior

- Heat and sweat management by 3D Spacer technology
- Strong external fabric

Colour

- NS0 Black
- AS0 Olive Green
- E7I Coyotte IR



NEMESIS

1BVKC0Z00

QUICK DONNING AND DUFFING PLATE CARRIER

The NEMESIS plate carrier is specially designed to offer maximum comfort and flexibility. The plate carrier gives you the possibility of wearing when needed hard ballistic protections on the front and the back. 360° PALS/MOLLE system over its entire surface. Very easy to put on, freedom of movement, very comfortable, easy to adjust thanks to Velcro's systems on the shoulders and an elastic ribbon-based system on the sides. The carrier is equipped with a QDD (Quick Donning and Doffing) system based on specific developed buckles, a 3D spacer lining enhances the comfort, a dorsal extraction strap is also present. An internal fixing system of the hard plates will ensure a good positioning of the plates and this even during chase.

Exterior

- Shoulder closure with special buckles
- Side closure with special buckles
- MOLLE ribbon to attach different pouches
- Cable guiding system in the front
- Front and back velcro for logo
- Durable touch and close fastener
- 360° Molle
- External evacuation handle
- External front and back plate pocket (dimension plates: width: 25 cm / height: 30 cm)

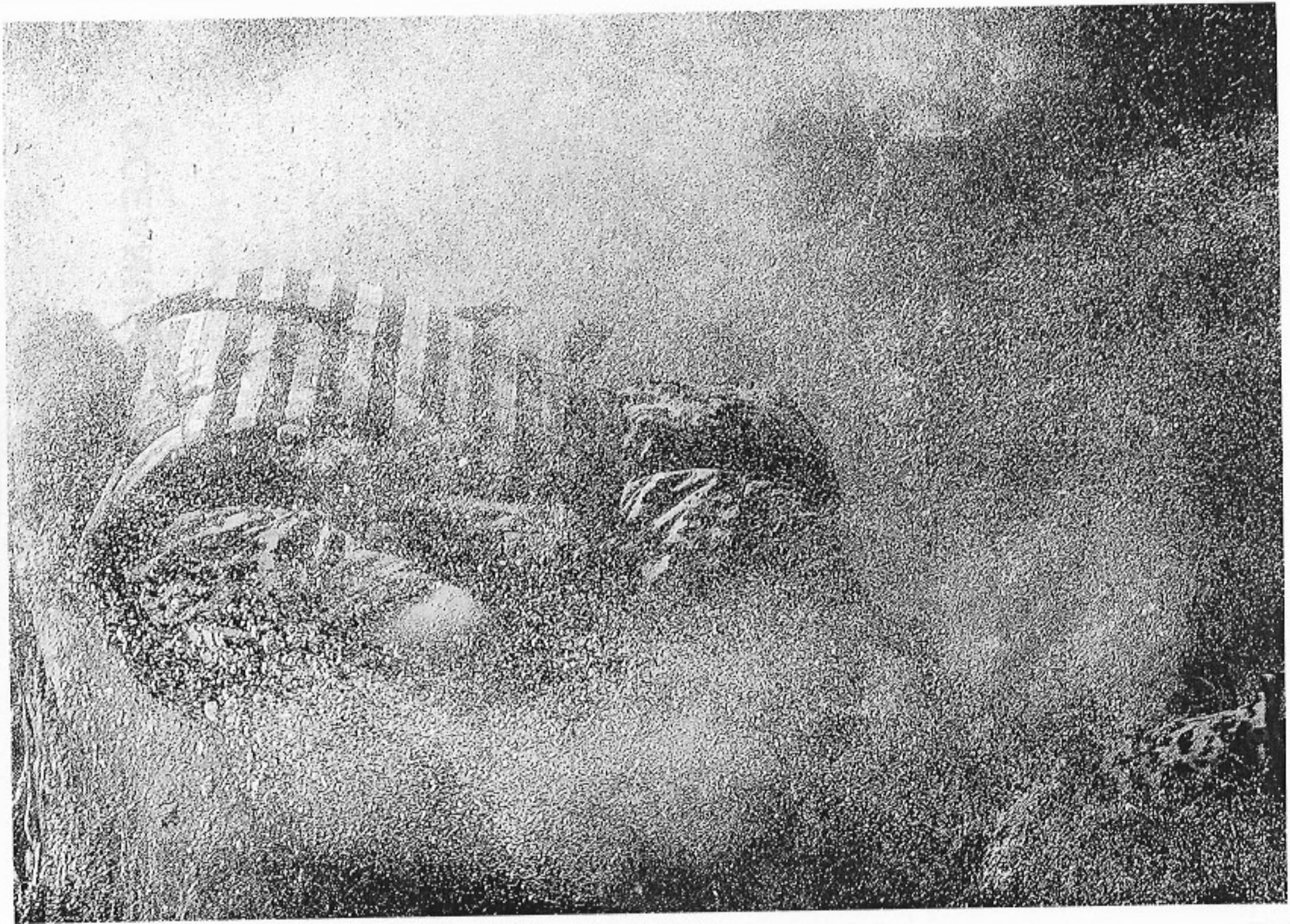


Interior

- Heat and sweat management by 3D Spacer technology
- Strong external fabric

Colour

- NS0 Black
- AS0 Olive Green
- E7I Coyotte IR



SEAGUARD

1BVHC0Z00

BUOYANCY TACTICAL VEST

The SEAGUARD vest provides a unique solution to officers assigned to routine waterborne operations. The front and back internal panels provide flotation. This special construction does not lose buoyancy if hit by bullets or fragments. The design incorporates a removable buoyant collar which increases buoyancy and ensures that the head always remains in the correct angle and face up. Reflective strips are attached on both shoulders and a fitted signal lamp turns on automatically in water. All ballistic panels are water tight and sealed by welding.

Exterior

- Adjustable shoulder closures with touch and close fastening
- Side closures with buckles
- MOLLE ribbon to attach different pouches
- Front velcro for logo
- External evacuation handle
- External front and back plate pocket (dimension plates: width: 25 cm / height: 30 cm)

Interior

- Heat and sweat management by nylnet fabric

Colour

- NS0 Black
- BS0 Blue
- K01 Camouflage



Research & development

Sioen Ballistics is constantly engaged in R&D and the development of unique and innovative solutions to meet the demands of our customers worldwide. We do this by utilizing and combining the expertise of our Engineering department (Sioen in Belgium and formal Verseidag Ballistic Protection in Finland) with its broad range of ballistic and stab possibilities, textile testing,... .

Strong and innovative R&D

Sioen Ballistics can rely on its highly capable and strong innovative R&D department from the Sioen Apparel division. 'Protection through innovation' is the motto of Sioen. The ongoing research on new materials and technics is resulting in new innovative ideas which will be implemented into the products from Sioen Ballistics:

- Different parameters such as weight, flexibility and thickness are always a focus to improve our armour solutions ;
- A higher comfort and improved heat and sweat management are the objectives on our textile carriers ;
- The compatibility of the armour solution within the textile carrier will be tested to define the level of comfort of the final product. Sioen Ballistics is equipped with a standardized test circuit to make an objective evaluation by the wearer or the end user.

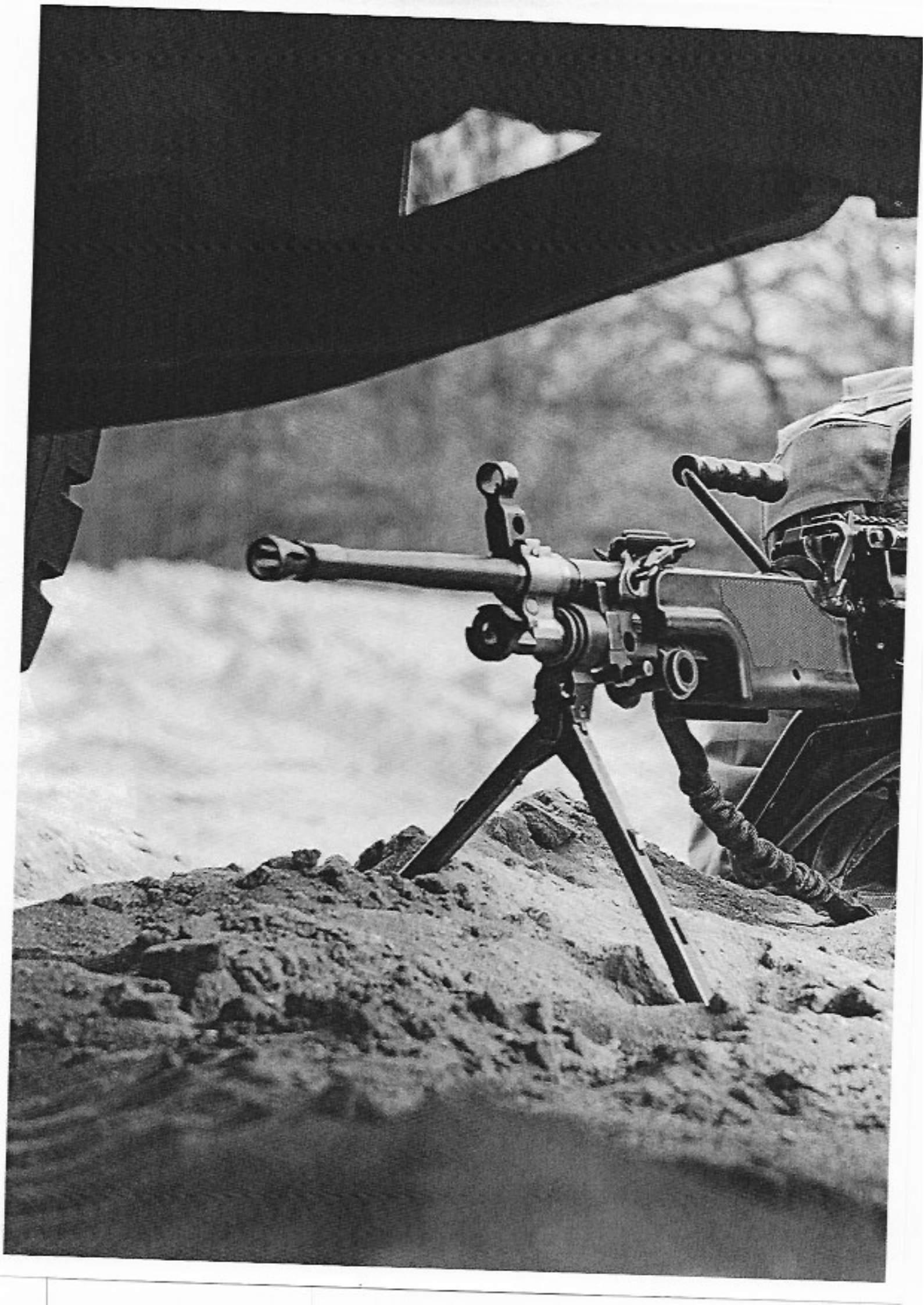
A big strength from SIOEN is the cross functional R&D: new innovation ideas from other market segments (maritime, military, first responders, protective work wear,...) are taken into account to use as new ideas within the Sioen Ballistics products.

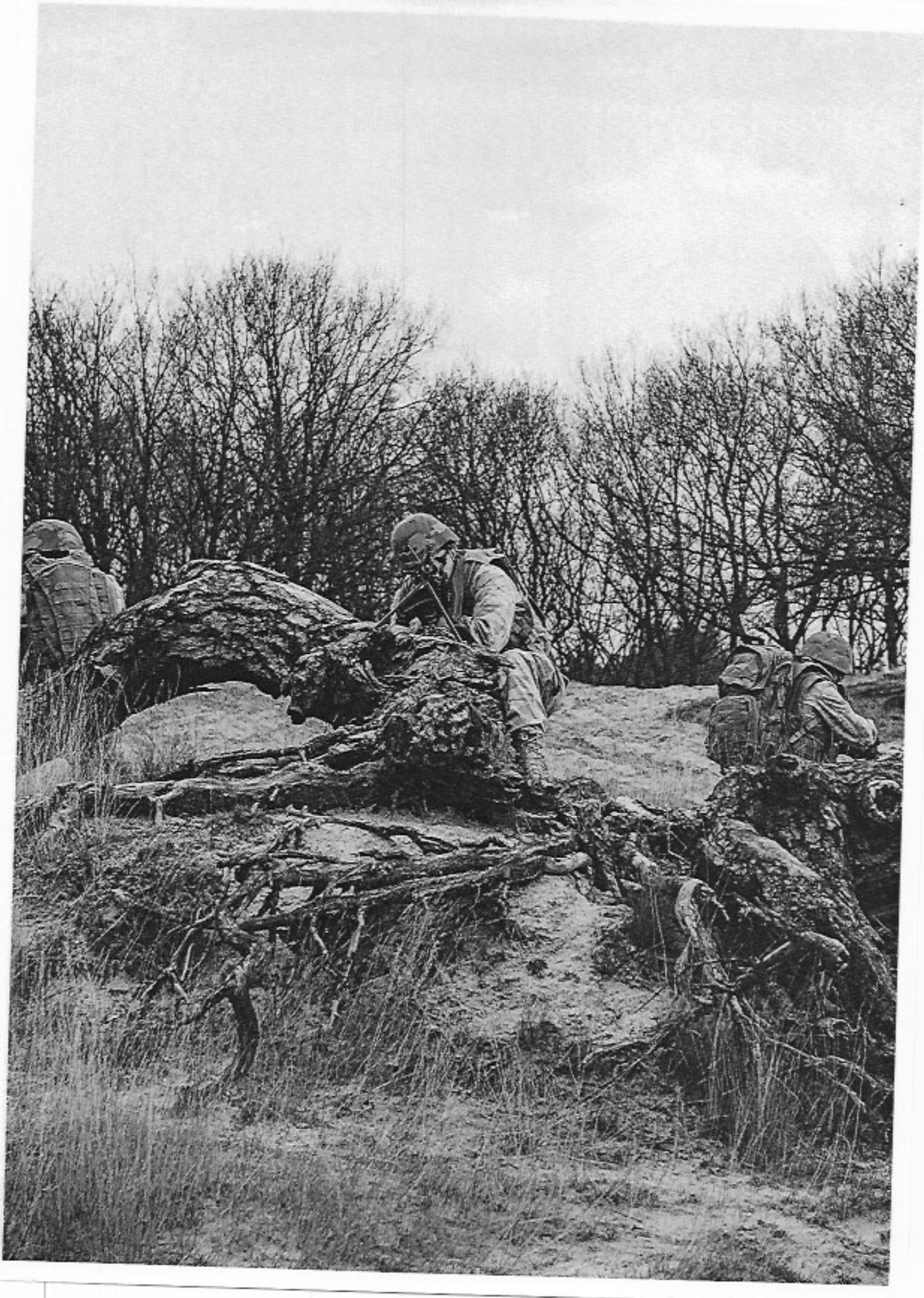
Armour solutions

Sioen Ballistics offers a wide standardized range of soft and hard armour inserts.

Bulletproof, stab proof and combined protective inserts are available which follow all known ballistic standards. Our hard armour plates are available in conjunction with a Sioen Ballistics soft armour solution or as a stand alone plate.







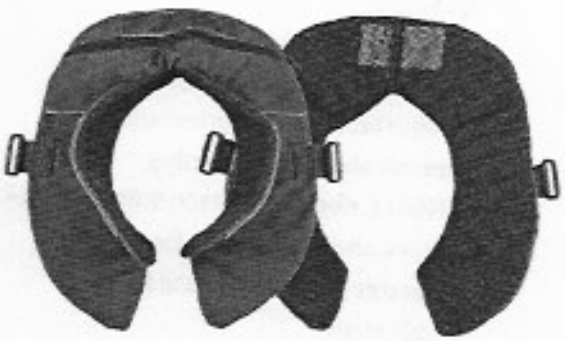
Tacticum protective modules



NECK AND SHOULDERS SOFT BALLISTIC PROTECTIONS

5BVFC0Z00

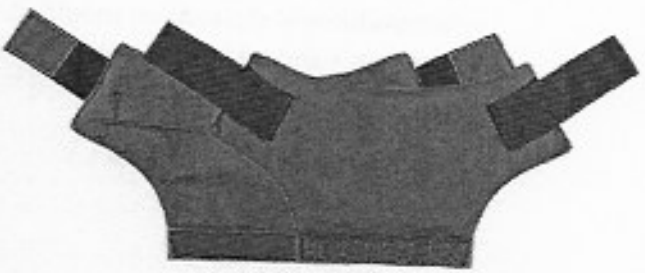
This removable ballistic panel allows you to increase your protective surface at the neck and the shoulders. They have been especially designed to be compatible with the Tacticum range of carriers.



THROAT SOFT BALLISTIC PROTECTIONS

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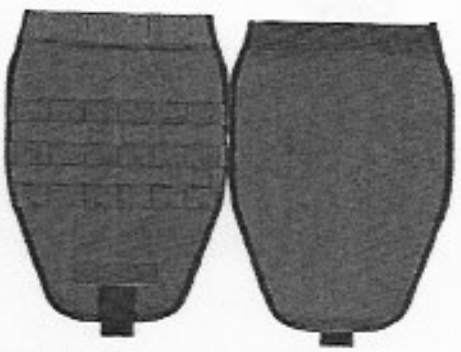
This removable ballistic panel allows you to increase your protective surface at the throat. The throat protection is designed to be used together with the collar (neck & shoulder) protection.

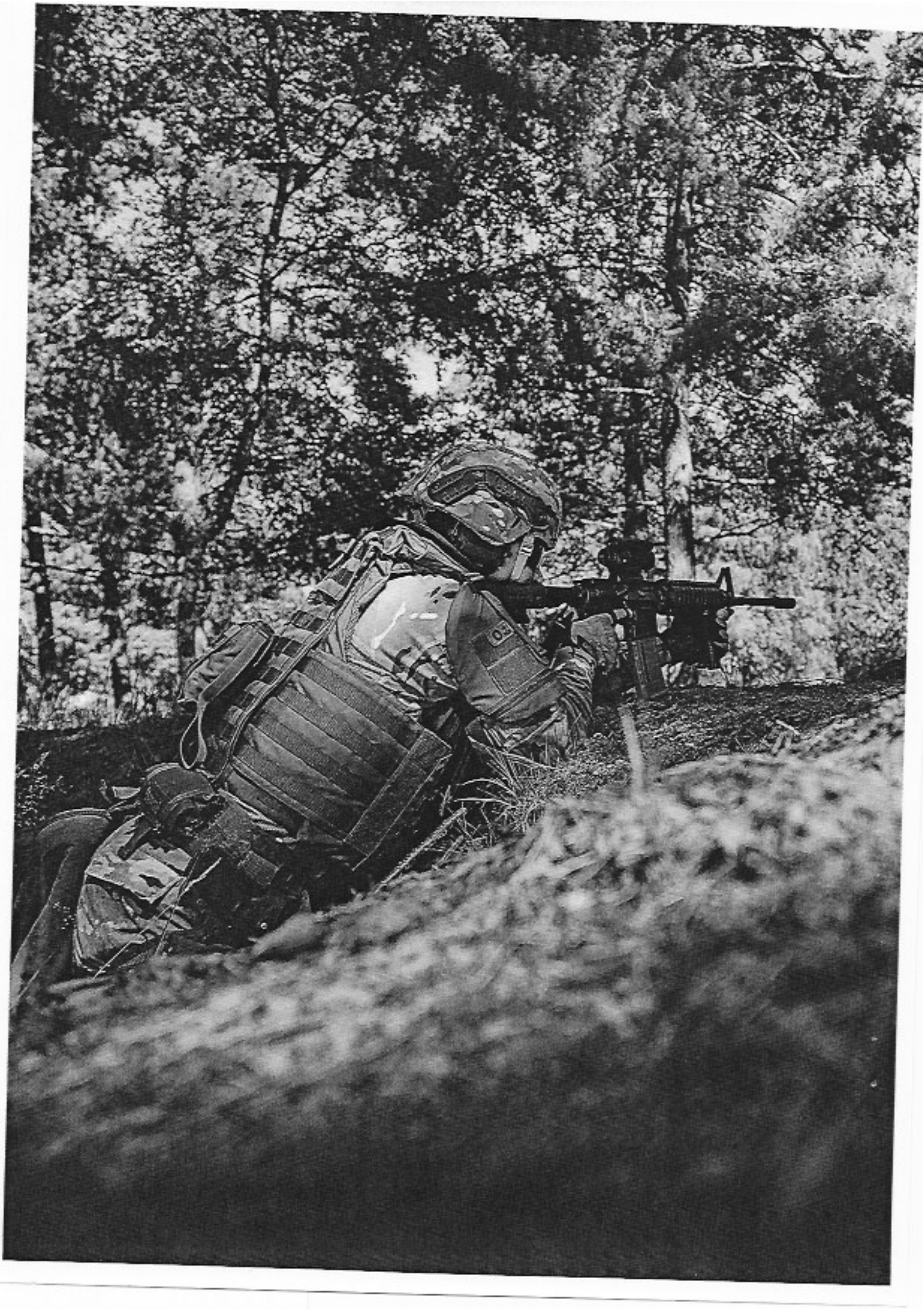


GROIN SOFT BALLISTIC PROTECTION

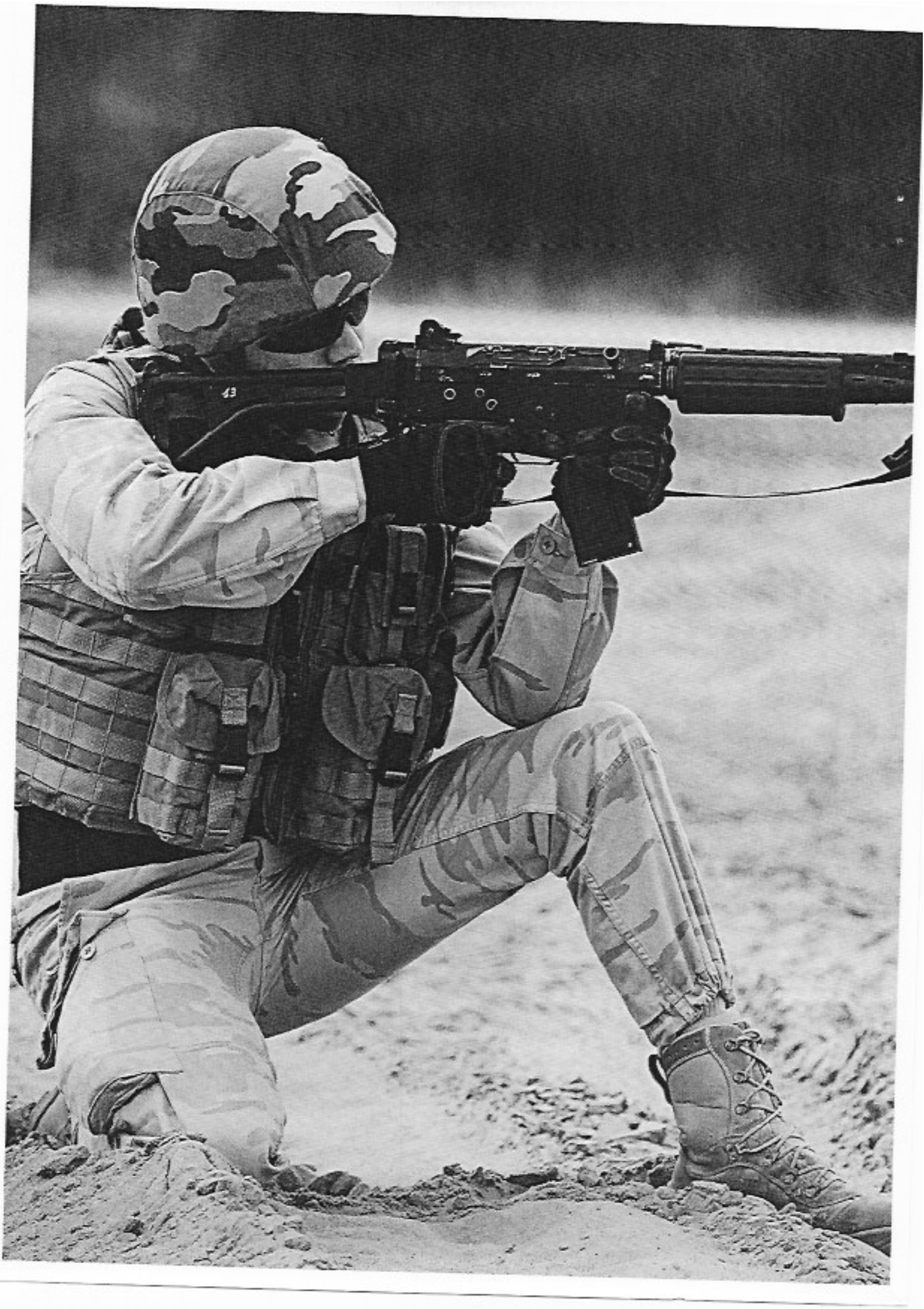
7BVFC0Z00

This removable ballistic panel allows you to increase your protective surface at the groin. They have been especially designed to be compatible with the Tacticum range of carriers.









PRODUCT CUSTOMISATION

A large share of our business is around tailor-made, customer specific and unique for one customer products. Our product customisation process follows our product development process where the customer requirements and wishes are thoroughly analysed; based on the inputs we develop the optimal ballistic solution and carrier design and fine-tune them together to form the overall solution. The solutions are tested internally and certified by an external partner. Whenever possible, our customers are also invited to take part in the development. The results are world class protective solutions, which are protecting lives and enabling the secure and efficient operations every day and all over the world; the "Life Saving Design".

BUOYANCY ARMOUR SOLUTIONS

Sioen has combined the expertise from Sioen Ballistics, Mullion and Ursuit to develop buoyancy armour solutions. Mullion and Ursuit are 2 brands which are specialised in maritime survival garments respectively with lifejackets, floatation suits and on the other hand dry suits for immersion and diving.
Based on the technical complexity of this type of products, Sioen Ballistics develops and offers the optimum protection for combining ballistics and buoyancy into 1 product.

MULLION

Maritime Safety Suits & Lifejackets
www.mullion-pfd.com

URSUIT

Professional drysuits
www.ursuit.com

OCEANUS

1BO1C0ZD0

TACTICAL VEST WITH REMOVABLE LIFEJACKET

The OCEANUS is a lightweight tactical vest specially designed to be used optimally in the river and even maritime environment. Specific points of fixation have been developed to give the possibility of optimally fixing a removable lifejacket on this plate carrier. A slim fit laser cut design associated with some key features such as a quick donning and doffing bucles system, detachable heat and sweat patches, specific adjustment for climbing or anti-slip evacuation handle make Oceanus an ideal product for all ship missions. High modularity body mapping and detachable front and back panels give you the possibility to be ready whatever the kind of mission.

Exterior

- Adjustable shoulder closures with touch and close fastening
- Side closures with buckles
- MOLLE ribbon to attach different pouches
- Front and back velcro for logo
- Durable touch and close fastener
- 360° Molle
- External evacuation handle
- External front and back plate pocket (dimension plates: width: 25 cm / height: 30 cm)

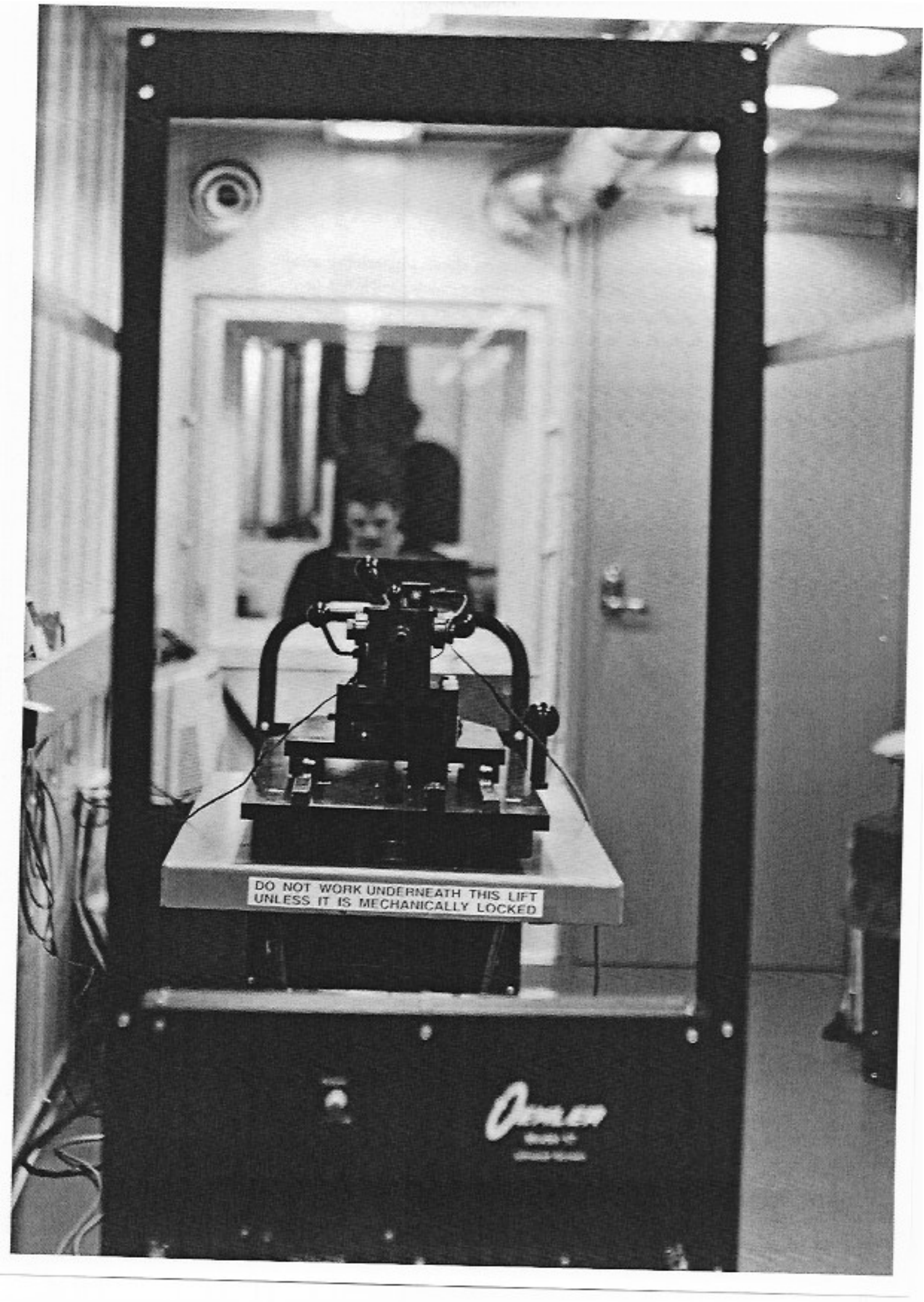


Interior

- Heat and sweat management by 3D Spacer technology
- Strong external fabric

Colour

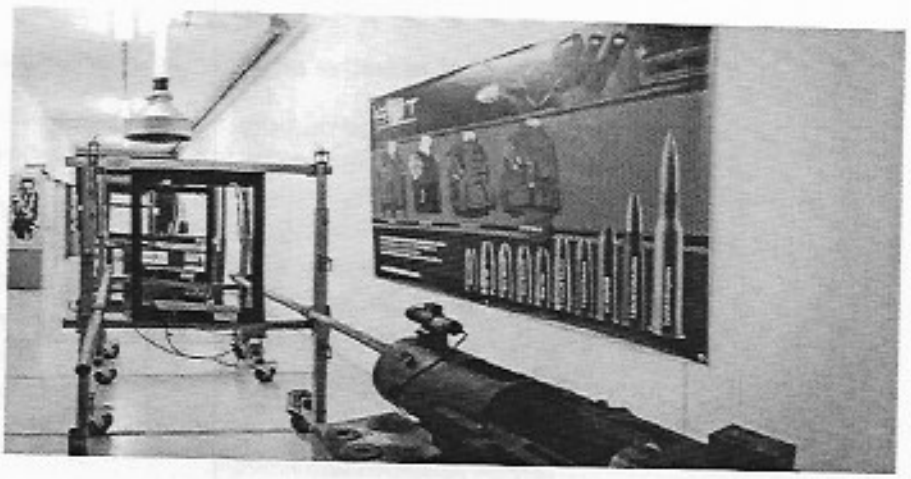
- NS0 Black

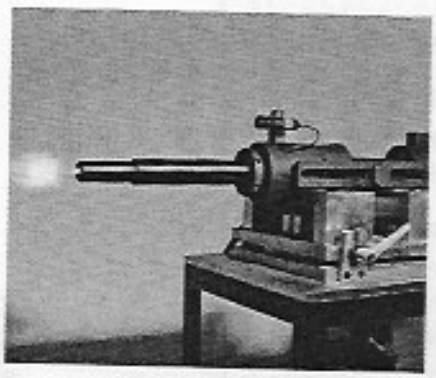

DO NOT WORK UNDERNEATH THIS LIFT
UNLESS IT IS MECHANICALLY LOCKED

In house ballistic development

Sioen Ballistics works with all major ballistic suppliers such as DSM, DuPont, Teijin Aramid, Ten Cate, Honeywell,... and with the most well-known insert plate manufacturers. In addition to procuring ballistic materials, Sioen Ballistics also develops in house a range of ballistic and anti-stab materials at its own weaving mills.

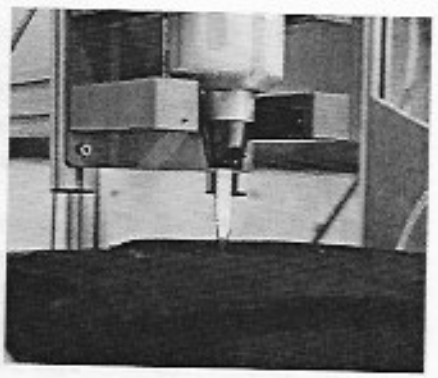
New armour solutions are developed in our own in-house shooting labs following all international standards. These test facilities are used for the development of customized ballistic solutions and for conducting regular quality control. The tested threats can range from smallest fragments up to highest rifle calibers. This possibility in conjunction with the broadest stab and slash testing facilities ensures that the result is a world class protective solution.





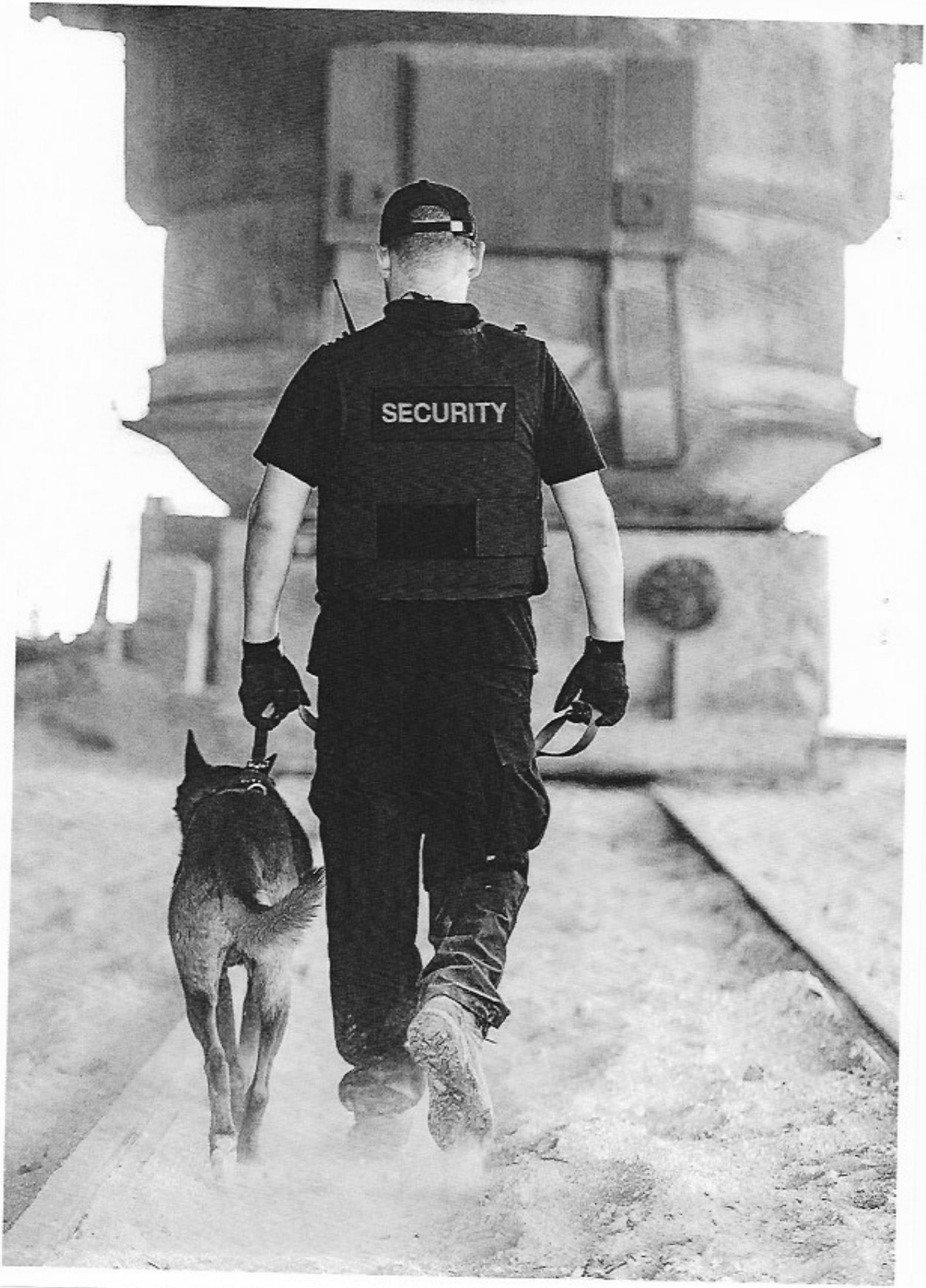
Ballistic test

Our ballistic laboratories gives us the opportunity to develop ballistic solutions in accordance with various international standards.



Stab test

For this kind of test, a pointed object (knife or spike in general) is falling down from a certain height to obtain the desired energy at the impact.


SECURITY


POLICE

Helmets, shields and accessories

We offer a range of helmets, which complete the protective solutions for the different end-users.

PASGT HELMET

The PASGT style Helmet is designed as a general duties helmet suitable for military and police use. This lightweight helmet is manufactured using a para-aramid material which provides excellent protection against ballistic and fragmentation threats.

The harness system provides a balanced and comfortable fit allowing adjustments to fit individual needs. A four point harness is attached to the shell of the helmet with ballistic resistant bolts and it can be easily removed for cleaning or replacement.



STANDARD MODELS

- Colours: Black, Olive, UN Blue, White
- Protection: NIJ 0106.01 II + .44Mag SWC-GC
- MIL-STD-662F 1,1g FSP V50>650m/sec

Size	Head Circle (cm)	Weight (~kg)
S	52-56	1,4
M	54-59	1,4
L	57-64	1,4
XL	61-66	1,5







LIGHT WEIGHT SOFT SHIELD

Our high end light weight soft shield is designed for confined space use in an airplane, train, metro or narrow corridors and is designed to give maximum protection up to sub machine gun threats and fragments.

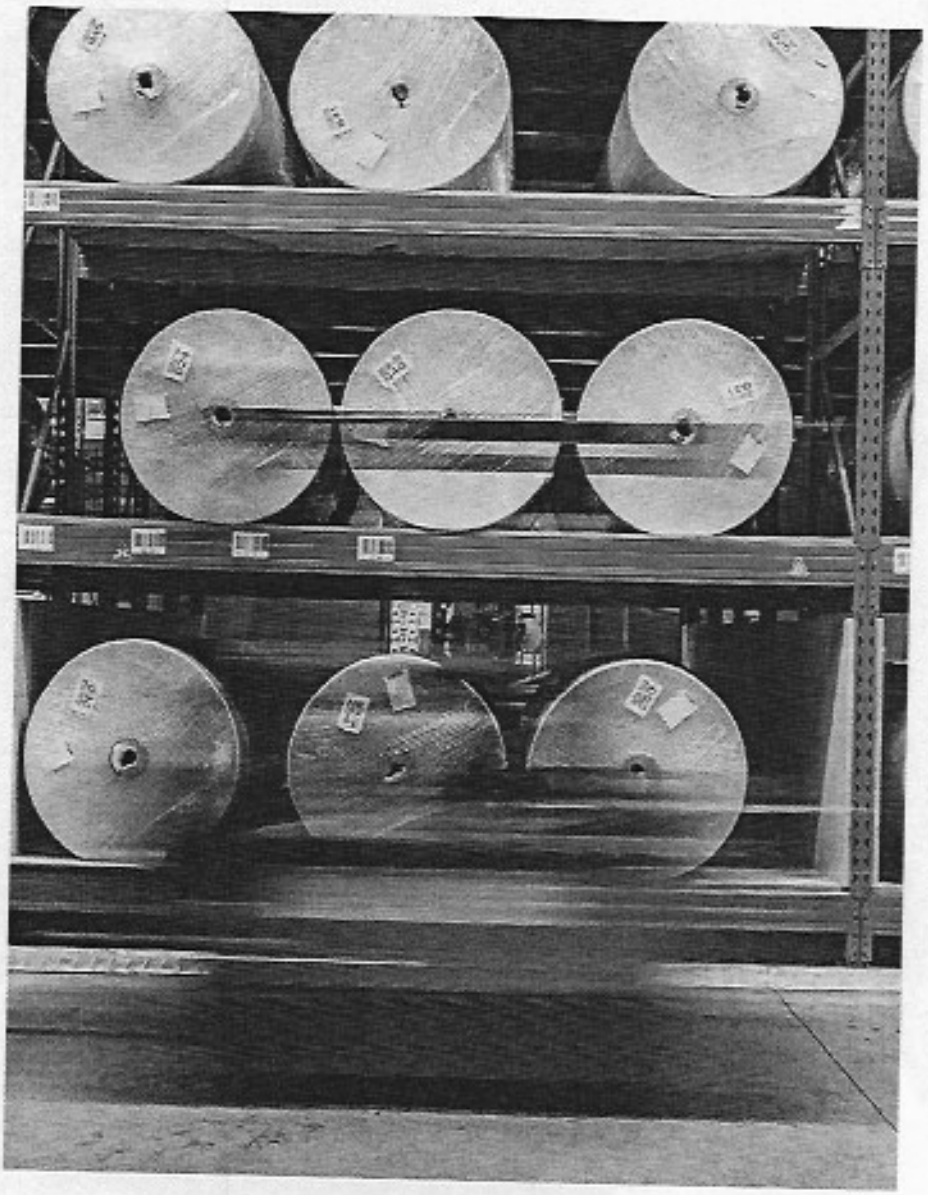
The material selection has allowed a higher performance with a lower weight. Weight, supporting legs and stand option and the additional new feature, fastening hook straps, makes the shield perfect for entrance and securing operations. The shield is available in versions for NIJ 0108.01 level IIIA or according to Portable Ballistic Protection for UK Police[2011]: PB1-40/SG100: 9 x19mm bullet stopped ≥ 40mm from edge, 12/70 slug stopped ≥ 100mm from edge. This shield also withstands .357 Magnum and .44 Magnum. The shield can be equipped with insert plates (one or two) for protection up to NIJ 0108.01 level IV. The shield is equipped with trauma protection at the handle locations.

The size of the shield is 130 cm x 60 cm, or the folding option 65 cm x 60 cm for an easy transport in the car. The weight of the soft shield is ~6,0 kg NIJ0108.01 IIIA version / ~5,3 kg PB1 version.


TORSKIN
PROTECTIVE SKIN
TORKSIN,
YOUR PROTECTIVE
SECOND SKIN
Torskin is a brand new collection of innovative slash, cut and stab resistant shirts and polos.
We develop products of the highest quality with a strong focus on comfort and weight reduction. Torskin feels like a second skin, offering optimal protection. With the development of our Torskin range, we can now offer our customers complete and full protection.
www.torskin.com

Vertical integration

Undertaking the complete production phases in-house, from yarn to finished product, offers a competitive advantage to our customers: from the control of the full production chain to the quick response to customer's needs with competitive prices.



Quality Management Certifications

SIOEN's quality Management System has been certified to ISO 9001 since 2000. The latest certification is provided by BQA (Belgian Quality Association) under certificate number DS/AJ/CER/14-04-2008/111. Using ISO 9001:2015 helps ensure that customers get consistent, good quality products and services, which in turn brings many business benefits. Sioen Ballistics also has the certified capability to operate according to AQAP-2110, ed. 3.

Environmental Management

Since 2011 SIOEN NV has also reached the ISO 14001 certificate for Environmental Management. Sioen Ballistics takes quality assurance of its products very seriously and each part of the design and manufacturing process is fully documented.

Liability and insurance

Sioen Ballistics provides substantial product liability for bodily injury, property damage and consequently financial loss combined. Sioen Ballistics can rely on good references from supplied products in the past and emphasises its engagement to its product quality from the time of sales up to the end of warranty of the product.



© 2017 SIOEN - Test facility to determine the wearer's comfort during exercises.

YKCSAE171

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info@ballisticprotection.fi
www.ballisticprotection.fi

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SIOEN