



**VERSEIDAG
BALLISTIC
PROTECTION**



LIFE SAVING DESIGN



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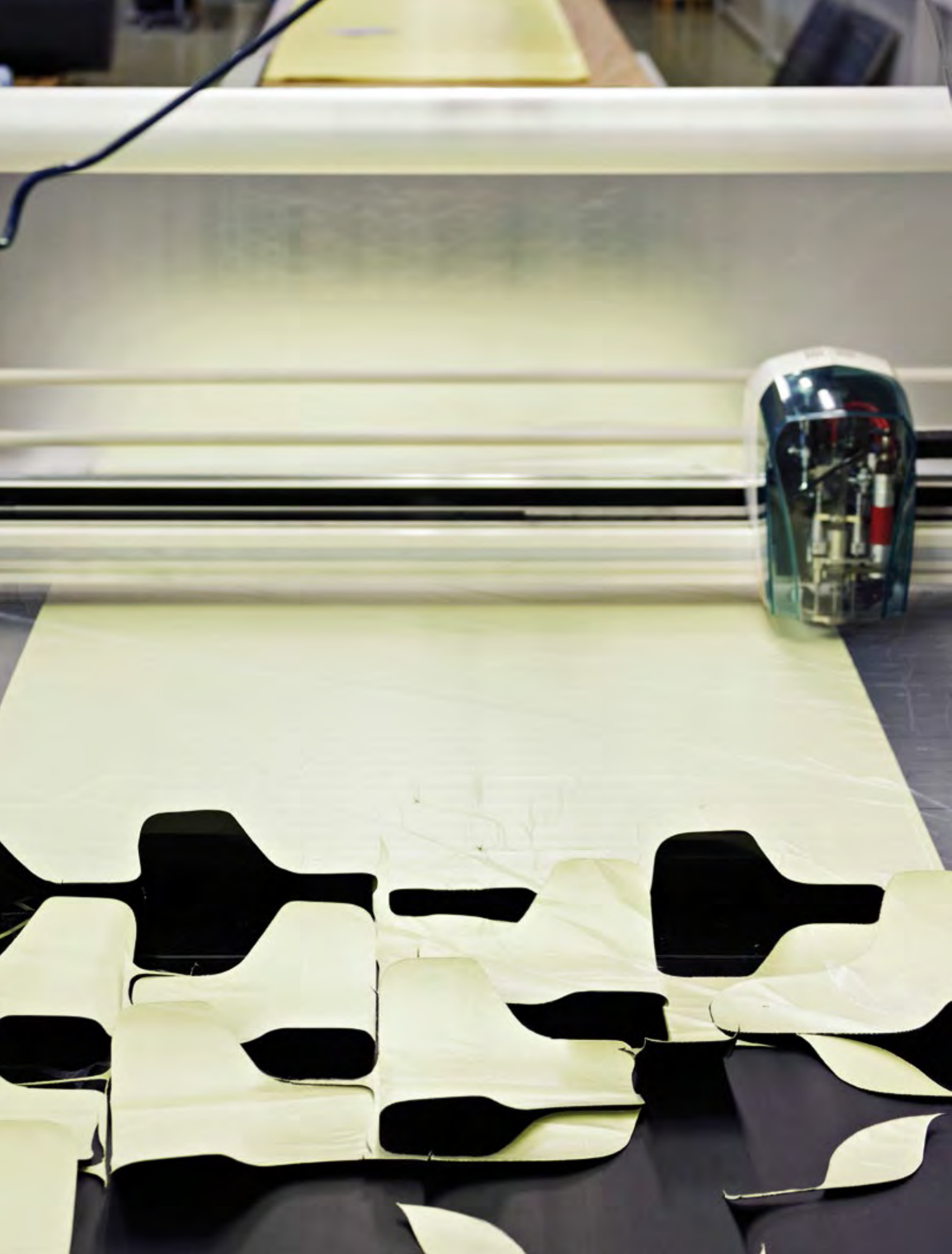
INDEX

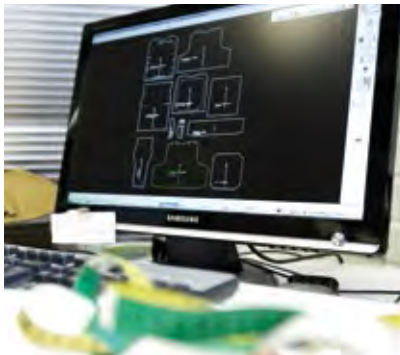
| | |
|--|----|
| COMPANY OVERVIEW | 5 |
| R&D POSSIBILITIES | 6 |
| COVERT VESTS | 10 |
| ULS Fit | 12 |
| ULS Protector | 13 |
| Ultra Light | 13 |
| CXP Nordic | 14 |
| Comfort XP | 15 |
| OVERT VESTS | 16 |
| CXP Nordic Jacket | 18 |
| Comfort XP Instructor | 19 |
| CXP Nordic Reflex | 19 |
| Patronus | 20 |
| SIZING CHART | 21 |
| TACTICAL VESTS | 22 |
| Tacticum Range | 24 |
| Tacticum Modules | 26 |
| Eximius | 28 |
| Excelsior | 29 |
| Seaguard | 30 |
| EOD GEAR | 32 |
| Mine Clearing Suit | 34 |
| Mine Clearing Apron | 35 |
| INSERT PLATES, SHIELDS, ACCESSORIES AND HELMETS | 36 |
| Insert Plates | 38 |
| Soft Shields | 40 |
| Rigid Shields | 42 |
| Accessories | 43 |
| Helmets | 44 |
| CUSTOMISED PRODUCTS | 46 |

The catalogue gives a picture of the standard models we provide. The presented models are a selection of typical products sold world-wide. If there is a need not fulfilled by the presented models, do not hesitate to contact us or our local representatives, which are mentioned on our web pages under section "CONTACT".

The development is a continuing process, which is why all models shown are subject to modification by manufacturer without notice.

All weights shown are estimated and may vary due to weight tolerances in raw material.





VERSEIDAG BALLISTIC PROTECTION OY

For the last four decades Verseidag Ballistic Protection Oy has been protecting lives around the world. The company has been operating since 1984 and is a member of the Jagenberg Group. Verseidag Ballistic protection Oy is a fully integrated global armour products manufacturer with weaving operations at Verseidag Indutex in Germany, manufacturing plants in Finland and subsidiary Survival Armor in the United States.

We offer a wide range of new and innovative protection solutions in various wearing and usage formats including Overt, Covert, Tactical, Marine and Aviation models for Police and Military units worldwide. Our ergonomically perfected male and female designs have been created along with the end-users and our choice of materials guarantees performance in all climates from desert to arctic conditions. We have achieved this by working closely with our key partners including Teijin Twaron, Du Pont, DSM and Honeywell. We also provide insert plates which we develop together with well-known global manufacturers.

Research and Development are essential to success in this industry and they form a major role in our company. Our in-house ballistic and stab R&D laboratories are constantly utilised in developing and perfecting solutions to meet end-user's individual needs.

All our armour solutions are certified according to international standards including HOSDB/CAST, NIJ, Technische Richtlinie, VPAM and Stanag 2920 etc. Through constant utilisation of our R&D facilities and our inherent strive to be the best in the field we can guarantee that the quality of our products will never be compromised.

Quality is closely monitored in our production process and we are certified by ISO9001:2008, ISO14000:2004 and AQAP2110. We operate in modern high tech production facilities and employ professional, dedicated and highly qualified staff throughout our production chain which utilises the most modern machinery and production techniques available in the industry.

Our slogan is "Life Saving Design". In our organisation personal protection starts with those people whose aim it is to protect others against danger. Our personal protection products are as specific and different as the people and the dangers they might encounter. All Verseidag Ballistic Protection products offer most optimal combination of protection, weight and wearing comfort.



R&D POSSIBILITIES

Nowadays in the Body Armour Industry it is critical that manufacturers are fully engaged in R&D and that they have in-house facilities and a qualified and experienced staff to conduct both new research and to control the quality of existing projects. This became even more important with law enforcement agencies, military and security customers demanding customised solutions to a wide variety of special threats in addition to existing international standards. In addition to stopping these threats, other demands such as weight reduction, bulk reduction, or special individually requested test methods have made the ownership of internal testing facilities a mandatory requirement for manufacturers who want to compete in this industry.

Verseidag Ballistic Protection Oy utilises its own state of the art in-house R&D laboratories for testing according to the existing protection equipment standards and special customer requirements as they arise. Our brand new ballistic laboratory is fully equipped for testing according to the NIJ-, VPAM-, Technische Richtlinie- and HOSDB/CAST- standards. We can also accommodate fragment testing according to STANAG 2920 and special ballistic testing as required. In our stab laboratory, stab, spike and impact testing can be performed according to the NIJ-, HOSDB/CAST- and VPAM- standards. In addition to these capabilities we have facilities for blast/fragmentation testing with explosives when required. With our in-house expertise, we can make tailored solutions, for example combinations of different standards and protection against additional threats or requirements.



DO NOT WORK UNDERNEATH THIS LIFT
UNLESS IT IS MECHANICALLY LOCKED

OEMER
MADE IN
GERMANY



We realise that the use of correct materials is a key element in design and protection development. When deciding what solutions to use we utilise all available materials from the main material manufacturers in our R&D process along with our own in-house woven and laminated products. We realise that only one material cannot be suitable for all threats so our R&D strives to find the best solutions to satisfy our customer demands.

| Typical protection levels | Type | Level | Main threat |
|------------------------------|-----------|---------|-----------------|
| NIJ 0101.04 (2001) | BALLISTIC | II | 9x19mm & 357Mag |
| NIJ 0101.04 (2001) | BALLISTIC | IIIA | 9x19mm & 44Mag |
| NIJ 0101.06 (2007) | BALLISTIC | II | 9x19mm & 357Mag |
| NIJ 0101.06 (2007) | BALLISTIC | IIIA | 357SIG & 44Mag |
| Technische Richtlinie (2008) | BALLISTIC | SK1 | 9x19mm |
| VPAM (2006) | BALLISTIC | Class 3 | 9x19mm |
| VPAM (2006) | BALLISTIC | Class 4 | 357Mag & 44Mag |
| HOSDB (2007) | BALLISTIC | HG1A | 9x19mm & 357Mag |
| HOSDB (2007) | BALLISTIC | HG1 | 9x19mm & 357Mag |
| HOSDB (2007) | BALLISTIC | HG2 | 9x19mm & 357Mag |
| HOSDB (2007) | STAB | KR1 | 24/36J |
| HOSDB (2007) | STAB | KR2 | 33/50J |
| Technische Richtlinie (2008) | STAB | ST | 25J |
| VPAM (2006) | STAB | K1 | 15/25J |
| HOSDB (2007) | SPIKE | SP1 | 24J |
| HOSDB (2007) | SPIKE | SP2 | 33J |

| Typical shield protection levels | Type | Level | Main threat |
|----------------------------------|-----------|-------|---------------------|
| NIJ 0108.01 | BALLISTIC | IIIA | 9x19mm & 44Mag |
| NIJ 0108.01 | BALLISTIC | III | 7,62x51 FMJ |
| NIJ 0101.04 (2001) | BALLISTIC | IIIA | 9x19mm & 44Mag |
| NIJ 0101.04 (2001) | BALLISTIC | III | 7,62x51 FMJ |
| CAST 47/11 | BALLISTIC | PB1 | 9x19mm & 12/70 Slug |





COVERT VESTS

All our covert vests are designed with the end-user's needs in mind; we utilise the latest advances in material technology coupled with the very best in the ballistic protection systems. Our ergonomic cut and design ensure optimal protection where covertness is of high importance and armour is available in both male and female shaping. Typical protection levels are against hand gun threats with options to increased protection against stab and spike.

| Typical protection levels | Type | Level | Main threat |
|------------------------------|-----------|---------|-----------------|
| TNIJ 0101.04 (2001) | BALLISTIC | II | 9x19mm & 357Mag |
| NIJ 0101.04 (2001) | BALLISTIC | IIIA | 9x19mm & 44Mag |
| NIJ 0101.06 (2007) | BALLISTIC | II | 9x19mm & 357Mag |
| NIJ 0101.06 (2007) | BALLISTIC | IIIA | 357SIG & 44Mag |
| Technische Richtlinie (2008) | BALLISTIC | SK1 | 9x19mm |
| VPAM (2006) | BALLISTIC | Class 3 | 9x19mm |
| VPAM (2006) | BALLISTIC | Class 4 | 357Mag & 44Mag |
| HOSDB (2007) | BALLISTIC | HG1A | 9x19mm & 357Mag |
| HOSDB (2007) | BALLISTIC | HG1 | 9x19mm & 357Mag |

| Added protection: | | | |
|------------------------------|-------|-----|--------|
| HOSDB (2007) | STAB | KR1 | 24J |
| HOSDB (2007) | SPIKE | SP1 | 24J |
| Technische Richtlinie (2008) | STAB | ST | 25J |
| VPAM (2006) | STAB | K1 | 15/25J |

| Protective areas | ULS PANEL SHAPE | | CXP PANEL SHAPE | |
|------------------|-----------------|--------|-----------------|--------|
| | Male | Female | Male | Female |
| m2 | | | | |
| XS | 0,23 | 0,20 | 0,24 | 0,19 |
| S | 0,25 | 0,22 | 0,27 | 0,22 |
| M | 0,27 | 0,25 | 0,30 | 0,25 |
| L | 0,30 | 0,27 | 0,34 | 0,29 |
| XL | 0,34 | 0,29 | 0,39 | 0,33 |
| 2XL | 0,38 | 0,31 | 0,45 | 0,39 |
| 3XL | 0,42 | 0,34 | 0,50 | 0,44 |



COVERT VESTS

ULS
PANEL
SHAPE



ULS FIT

Our ULS FIT model is designed to be worn covertly under a shirt or suit jacket assuring the wearer a minimal overall visible profile. This high-end concealable carrier has been developed to maximise comfort and cooling using knitted anti-bacterial Coolmax® fresh materials. The cut of this vest is highly adapted to suit VIPs, undercover officers and civilians who need to be as covert as possible while wearing armour.

STANDARD MODELS (others on request)

ULS PANEL SHAPE

Sizes: XS...XXXL

Colours: Black, White

Weight: NIJ 0101.04 Level II, Size L: <1,5 kg

ULS
 PANEL
 SHAPE

ULS PROTECTOR

Our ULS Protector model is designed to be a durable vest model, able to carry higher protection level panels, still with a light weight and comfortable wear, utilizing the robustness of high quality outer cover materials and comfortable 3D spacer lining for ventilation. The vest is optimized for use in situations where there is a need for a combination of ballistic and high level stab/spike protection.

STANDARD MODELS (others on request)

ULS PANEL SHAPE

Sizes: XS..XXXL

Colours: Black, Olive

Weight: NIJ 0101.04 Level IIIA/KR2/SP2, Size L: ~2,4 kg


ULS
 PANEL
 SHAPE

ULTRA LIGHT *CLASSIC

The Ultra Light model is designed closely with end-users to determine the most suitable ergonomic shaping and material types to ensure a very low profile and covert fit. This model is perfect for surveillance and VIP usage and it is available in a range of different technical fabrics and colours.

STANDARD MODELS (others on request)

ULS PANEL SHAPE

Sizes: XS..XXXL

Colours: Black, White

Weight: NIJ 0101.04 Level II, Size L: <1,5 kg



COVERT VESTS

CXP
PANEL
SHAPE



CXP NORDIC

CXP Nordic is designed for daily use either under or on top of the duty shirt. The model has shoulder adjustments at the back side, resulting in an as little as possible visibility of the vest in front (for example under a uniform). High emphasis has been taken for the adjustability and comfort level. The front is fitted with an additional pocket for a polyethylene insert plates for increased protection level. The armour cut is designed for shooters and has adjustable shoulder straps to

ensure a more comfortable and better fit. Stab protection can also be added if required. The outer cover materials are light and made from a high abrasion resistance polyamide with PU coating. The lining is constructed utilising a knitted antibacterial Coolmax® material with silver ions. This vest is used by the police and security forces that require a higher level of protection while maintaining maximum comfort and little visibility. This model is also available in female shaping.

STANDARD MODELS (others on request)

CXP PANEL SHAPE

Sizes: XS..XXXL

Colours: Black

Weights: NIJ 0101.04 Level II, Size L: ~1,8 kg
NIJ 0101.04 Level IIIA, Size L: ~2,1 kg

Additional stab protection
(with min. NIJ level II ballistic panels):
15J / max 20 mm (HOSDB test setup) +450 g
HOSDB level KR1 +1480 g

Insert plate options: 150 x 200 (Female) or
165 x 250 (Male) see page 39.



COMFORT XP *CLASSIC

Comfort XP is designed for daily use either under or on top of the duty shirt. The front is fitted with an additional pocket for a polyethylene insert plates for increased protection level. The armour cut is designed for shooters and has adjustable shoulder straps to ensure a more comfortable and better fit. Stab protection can also be added if required. The outer cover materials are light and made from a high abrasion resistance polyamide with PU coating. The lining is constructed utilising a knitted antibacterial Coolmax® material with silver ions. This vest is used by the police, military and security forces that require a higher level of protection while maintaining maximum comfort. This model is also available in female shaping.

STANDARD MODELS (others on request)

CXP PANEL SHAPE

Sizes: XS..XXXL

Colours: Black, Blue, Olive

Weights: NIJ 0101.04 Level II, Size L: ~1,8 kg
NIJ 0101.04 Level IIIA, Size L: ~2,1 kg

Additional stab protection

(with min. NIJ level II ballistic panels):
15J / max 20 mm (HOSDB test setup) +450 g
HOSDB level KR1 +1480 g

Insert plate options: 150 x 200 (Female) or
165 x 250 (Male) see page 39.



OVERT VESTS

As with our covert vests all our overt designs have been developed closely with the end-users and by utilising the latest technology in fabric and ballistic protection materials. Our large range of overt vests guarantees the most suitable protection for each environment. These various designs offer the wearer optimal protection but with maximum comfort and mobility. Typical protection levels are against hand gun threats with options to increase protection against stab and spike.

| Typical protection levels | Type | Level | Main threat |
|------------------------------|-----------|---------|-----------------|
| NIJ 0101.04 (2001) | BALLISTIC | IIIA | 9x19mm & 44Mag |
| NIJ 0101.06 (2007) | BALLISTIC | IIIA | 357SIG & 44Mag |
| Technische Richtlinie (2008) | BALLISTIC | SK1 | 9x19mm |
| VPAM (2006) | BALLISTIC | Class 3 | 9x19mm |
| VPAM (2006) | BALLISTIC | Class 4 | 357Mag & 44Mag |
| HOSDB (2007) | BALLISTIC | HG1 | 9x19mm & 357Mag |
| HOSDB (2007) | BALLISTIC | HG2 | 9x19mm & 357Mag |

| Added protection: | | | |
|------------------------------|-------|-----|--------|
| HOSDB (2007) | STAB | KR1 | 24/36J |
| HOSDB (2007) | STAB | KR2 | 33/50J |
| HOSDB (2007) | SPIKE | SP1 | 24J |
| HOSDB (2007) | SPIKE | SP2 | 33J |
| Technische Richtlinie (2008) | STAB | ST | 25J |
| VPAM (2006) | STAB | K1 | 15/25J |

| Protective areas | CXP PANEL SHAPE | |
|------------------|-----------------|--------|
| | Male | Female |
| m2 | | |
| XS | 0,24 | 0,19 |
| S | 0,27 | 0,22 |
| M | 0,30 | 0,25 |
| L | 0,34 | 0,29 |
| XL | 0,39 | 0,33 |
| 2XL | 0,45 | 0,39 |
| 3XL | 0,50 | 0,44 |



OVERT VESTS

CXP
PANEL
SHAPE



CXP NORDIC JACKET

The CXP Nordic Jacket is also a part of the CXP Family. This jacket is designed to be worn openly on top of the duty shirt. This design incorporates a front zip opening and a Velcro® side closing system which is fitted to allow the wearer to adjust the vest to a comfortable position while worn. This concept uses the same panel sizing system and materials as in the other CXP vests. A one-piece front panel ensures full ballistic protection. Additional stab protection is available if required.

STANDARD MODELS (others on request)

CXP PANEL SHAPE

Sizes: XS..XXXL

Colours: Black, Blue

Weights: NIJ 0101.04 Level II, Size L: ~1,8 kg
NIJ 0101.04 Level IIIA, Size L: ~2,1 kg

Additional stab protection

(with min. NIJ level II ballistic panels):
15J/ max 20mm (HOSDB test setup) +450 g
HOSDB level KR1 +1480 g

Insert plate options: 150 x 200 (Female) or
165 x 250 (Male) see page 39.

CXP
 PANEL
 SHAPE

COMFORT XP INSTRUCTOR

Comfort XP Instructor has been designed to clearly identify the user's role in any given scenario, for example the range instructor or paramedics. It has the same protective and ergonomic capabilities as our standard Comfort XP model. By adapting the front of the carrier by means of a Velcro® attached flap we can accommodate various features such as MOLLE, pockets or high visibility markings as required by the end-user. Additional stab protection is available if required.

STANDARD MODELS (others on request)

CXP PANEL SHAPE

Sizes: XS..XXXL

Colours: Red

Weights: NIJ 0101.04 Level II, Size L: ~1,9 kg
 NIJ 0101.04 Level IIIA, Size L: ~2,2 kg

Additional stab protection

(with min. NIJ level II ballistic panels):
 15J / max 20 mm (HOSDB test setup) + 450 g
 HOSDB level KR1 +1480 g


CXP
 PANEL
 SHAPE

CXP NORDIC REFLEX

CXP Nordic Reflex has been designed to clearly identify the user's role in any given scenario, for example for incident officers. It has the same protective and ergonomic capabilities as our standard Comfort XP model.

STANDARD MODELS (others on request)

CXP PANEL SIZE

Sizes: XS..XXXL

Colours: Red, Signal Yellow

Weights: NIJ 0101.04 Level II, Size L: ~1,9 kg
 NIJ 0101.04 Level IIIA, Size L: ~2,2 kg



OVERT VESTS



PATRONUS

The Patronus vest offers high protection to users operating in areas of increased threat. This model is used by such organisations as the UN, UNHCR, WFP, WHO, UNDP and UNICEF. The design incorporates additional front and back pockets for insert plates to upgrade the protection as required and side and shoulder adjustments for individual fitting and comfort. This modular system also has a detachable turn up groin protector and detachable upper arm protectors. The front opening collar can be folded down when in use if required.

STANDARD MODELS (others on request)

Sizes: S..XXXL

Colours: Black, Blue, UN Blue

Protective areas: Size L: ~0,47 m²
(with upper arm and groin protector ~0,67 m²)

Weights: NIJ 0101.04 Level IIIA, Size L: ~3,5 kg
(with upper arm and groin protector ~4,7 kg)

TABLE OF DIMENSIONS

| MALE | | | |
|------|-----------------|-----------------|--|
| | CHEST SIZE (CM) | WAIST SIZE (CM) | FROM WAIST TO WAIST (OVER THE SHOULDER, CM) |
| XS | 80 – 84 | 62 – 80 | 98 – 100 |
| S | 88 – 92 | 72 – 90 | 100 – 101 |
| M | 96 – 100 | 81 – 101 | 101 – 102 |
| L | 104 – 108 | 90 – 110 | 101 – 103 |
| XL | 112 – 120 | 108 – 128 | 105 – 109 |
| XXL | 124 – 132 | 123 – 143 | 107 – 112 |
| XXXL | 136 – 144 | 139 – 159 | 110 – 115 |

| FEMALE | | | |
|--------|-----------------|-----------------|--|
| | CHEST SIZE (cm) | WAIST SIZE (cm) | FROM WAIST TO WAIST (over the shoulder, cm) |
| XS | 72 – 76 | 63 – 76 | 90 – 92 |
| S | 80 – 84 | 70 – 83 | 92 – 94 |
| M | 88 – 92 | 75 – 89 | 95 – 98 |
| L | 96 – 100 | 85 – 99 | 95 – 99 |
| XL | 104 – 116 | 99 – 113 | 100 – 103 |
| XXL | 122 – 134 | 116 – 130 | 101 – 105 |
| XXXL | 140 – 152 | 137 – 151 | 104– 108 |

Sizing chart is indicative.

1. CHEST SIZE

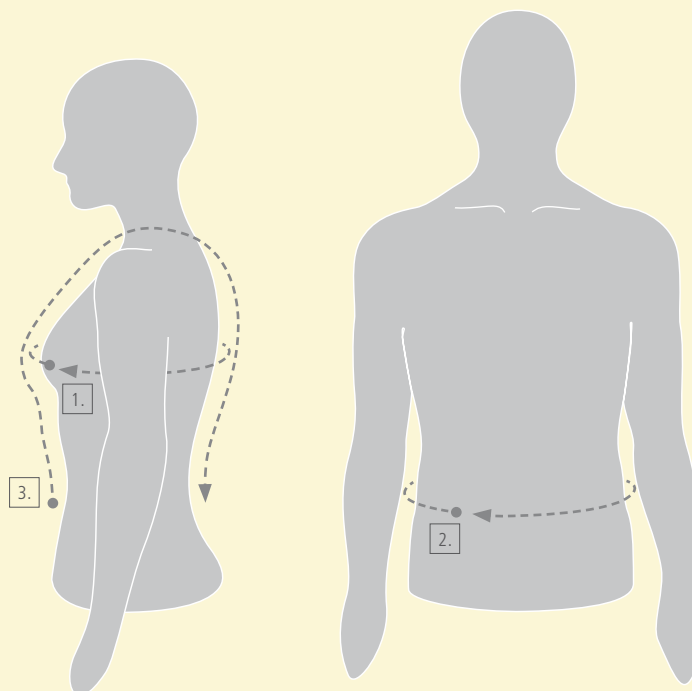
Measure around the chest at the highest point

2. WAIST SIZE

Measure around the waist on the navel height

3. FROM WAIST TO WAIST

Measure over the shoulder when standing normally





TACTICAL GEAR

Our range of tactical protective solutions is designed for users who operate in areas of increased threat and who require a much greater area of body protection. These designs are generally modular in nature to allow the user to upgrade the protection as and when required and to adapt the carrier to accept various pocket and carriage systems. Our ergonomic cut and design ensure optimal protection and interaction with the other pieces of protective equipment. Typical protection levels are against hand gun and fragment threats with an increased protection against rifle calibres, achieved with insert plates.

| Typical protection levels | Type | Level | Main threat |
|------------------------------|-----------|---------|-----------------|
| NIJ 0101.04 (2001) | BALLISTIC | IIIA | 9x19mm & 44Mag |
| NIJ 0101.06 (2007) | BALLISTIC | IIIA | 357SIG & 44Mag |
| Technische Richtlinie (2008) | BALLISTIC | SK1 | 9x19mm |
| VPAM (2006) | BALLISTIC | Class 4 | 357Mag & 44Mag |
| VPAM (2006) | IMPACT | W5 | 100J |
| HOSDB (2007) | BALLISTIC | HG1 | 9x19mm & 357Mag |
| HOSDB (2007) | BALLISTIC | HG2 | 9x19mm & 357Mag |

Added protection:

| | | |
|---------------|---------|------------------------------|
| INSERT PLATES | Various | See separate list on page 39 |
|---------------|---------|------------------------------|



TACTICUM RANGE

The base for the modular set is either the Tacticum Vest or the Tacticum Plate Carrier. The Battle Belt enhance the protection level and also helps the user by a more balanced load / weight distribution and support for the Tacticum Plate Carrier and Tacticum Vest. Around the base, any additional protective module can be attached, depending on the need. The protective modules are the same for both bases. The protection levels are set by selecting the

modules in use and the ballistic elements according to needed ballistic standard and threat level. All Verseydag Ballistic Protections ballistic solutions can be implemented (NIJ, VPAM, HOSDP/CAST, special solutions). The protection level can also be increased by means of insert plates. The driving concept for the modular design of the Tacticum Range has been the combination of optimal ballistic protection, wear comfort and weight management.

THE TACTICUM VEST MODEL

(With all modules in picture)

Full body protection for more static missions.

Latest materials for better sweat management and air ventilation.

GT Cobra® buckles on shoulders for easy doffing.

Ergonomics and wearing comfort.

Large areas of PALS/MOLLE fastening system.

Ballistic protection levels for all vital parts and scalable according to the mission.



The TACTICUM is a set of products designed to form a complete set of inter-connectable and scalable items according to the need for protection during different missions. The range consists of several modules which can be used alone or connected with each other, with fast and reliable inter-connections.

STANDARD MODELS (others on request)

Sizes:

Tacticum vest; S..XXL

Plate carrier, Battle belt and all modules: "one size"

Colours: Black, Olive

THE TACTICUM PLATE CARRIER

(With all modules in picture)

Full body protection for dynamic missions.

Support functions for optimal weight distribution.

All the same modules fits both the vest and plate carrier models.

Materials with controlled IRR values as option.



TACTICAL GEAR

TACTICUM PROTECTIVE MODULES

(Modules with ballistic protection)



TACTICAL VEST



PLATE CARRIER



NECK / SHOULDER and
THROAT PROTECTION



BATTLE BELT



UPPER ARM PROTECTION



THIGH PROTECTION (Upper leg)



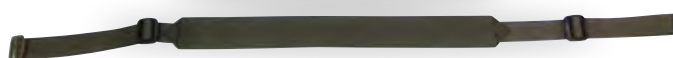
GROIN PROTECTION

TACTICUM ADDITIONAL MODULES

(Modules for enhanced usability)



SUSPENDERS
(for battle belt)



MOLLE-module



BACKPACK FOR CARRIER (module)



SWEAT PLATE MODULES
(spacers for heat management)

TACTICUM MODULARITY AND PROTECTION LEVELS

Different missions require different protection. With the Tacticum range you can add, remove and tailor-make your optimal protective system. The complete Tacticum range is NSPA / NATO coded.

| Model | Code | Module and interconnectability | Protection ~m2 size L / IIIA | Weight ~kg size L / IIIA |
|---|------|--|---------------------------------|-----------------------------|
| Tactical vest | V | Stand alone and with modules: M1..M5, V S | 0,38 | 3,4 |
| Sweat plate modules | V S | | | |
| Plate Carrier | C | Stand alone and with modules: M1..M5, C M, CB, B, V S | 0,15 | 2,3 |
| Sweat plate modules | V S | | | |
| MOLLE-module | C M | | | 0,2 |
| Backpack for carrier (module) | C B | | | 0,5 |
| Battle Belt | B | Stand alone and with modules: M4, B S | 0,15 | 1,8 |
| Suspenders | B S | | | 0,1 |
| Common protective modules | M | Can be added to V,C,B | | |
| Neck / shoulder protection | M1 | Fastened to V or C | 0,10 | 1,0 |
| Groin protection | M2 | Fastened to V or C | 0,06 | 0,5 |
| Upper arm protection (pair) | M3 | Fastened to V or C | 0,18 | 0,9 |
| Thigh protection (pair) | M4 | Fastened to V or B or a duty belt | 0,12 | 1,0 |
| Throat protection | M5 | In conjunction with M1 | 0,02 | 0,3 |
| Tactical vest with M1..M5 | SET | <i>Weights not including insert plates</i> | 0,86 | 7,0 |
| Plate carrier, Battle belt with M1..M5 | SET | <i>Weights not including insert plates</i> | 0,78 | 7,7 |



EXIMIUS

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

STANDARD MODELS (others on request)

Sizes: S..XXL

Colours: Black, Olive

Protective areas: Size L: Vest ~0,33 m², shoulder protection + ~0,12 m², upper arm + ~0,12 m² and groin protector + ~0,07 m²

Weights: NIJ 0101.04 Level IIIA, Size L: Vest ~3,3 kg, shoulder + ~0,9 kg, upper arm + ~0,9 kg and groin protector + ~0,5 kg



EXCELSIOR

The Excelsior quick-release vest is a unique assault vest system that has optional components allowing the user to add or remove armour protection capabilities as required. This design also employs an innovative single handed emergency egress quick-release system, extensive MOLLE load bearing webbing and contoured chest construction designed to enhance the shooter accuracy. A front closing cummerbund incorporates side plate pockets, and a comprehensive adjustments system is utilised in the front and shoulder area.

STANDARD MODELS (others on request)

Sizes: S..XXL

Colours: Black, Olive

Protective areas: Size L: Vest ~0,38 m², shoulder + ~0,1 m², throat + ~0,02 m², upper arm + ~0,09 m² and groin protector + ~0,06 m²

Weights: NIJ 0101.04 Level IIIA, Size L: Vest ~3,55kg, shoulder + ~0,85 kg, throat + ~0,2 kg, upper arm + ~0,8 kg and groin protector + ~0,45 kg

TACTICAL VESTS



SEAGUARD

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 stripes 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.

STANDARD MODELS (others on request)

Sizes: S..XXL

Colours: Black, Navy Blue, Urban Camo

Protective areas: Size L: ~0,5 m²

Weights: NIJ 0101.04 Level IIIA, Size L: ~4,4 kg

Certifications: Basic vest 50N certified according to EN393 and 393/A1:1998. With attached foam collar 100N certified according to 395:1993, EN 395/A1:1998 and EN 394:1993





EOD GEAR

We manufacture a range of EOD protective solutions in a variety of versatile and lightweight designs for EOD Operators and Bomb Disposal Technicians supporting bomb disposal squads. These designs are based on a modular concept which supports the addition or removal of protective elements to meet specific operational and protective requirements. These modular components protect the chest, shoulders, upper and lower arms, groin, upper and lower legs. These designs integrate with tactical and combat helmets and other essential bomb disposal protective equipment.



EOD GEAR



MINE CLEARING SUIT

The Mine Clearing Suit is designed to be worn by explosives experts when detecting, clearing, deactivating and disposing of mines, unexploded ammunition and other explosives. The suit protects the torso, the neck area, the arms, the abdomen and groin area, the legs and the feet against fragments, heat and pressure shock. This suit consists of a half-overall, a pair of sleeves, specially fortified one-piece vest and foot protection. The suit is antistatic when worn with ballistic foot protection.

STANDARD MODELS (others on request)

Sizes: M and XL

Colours: Black, Olive

Protection: STANAG2920 V50 400–1200 m/s (different for different parts of suit)

Protective areas: Size M: Vest ~0,9 m², half-overall + ~0,9 m², sleeves + ~0,55 m²

Weights: Size M: Vest (V50 500 m/s) ~3,6 kg, half overall (V50 500 m/s) + ~3,6 kg, sleeves (V50 450 m/s) + ~1,8 kg

Ballistic foot protection: One size fits all, protective area ~0,2 m²/pair, weight (V50 600 m/s) 2,5 kg / pair



MINE CLEARING APRON

Our Mine Clearing Apron is a unique design that has been created to protect against blast and fragmentation in 'non-permissive' hot and humid environments where it is not possible or practical to wear a full scale, heavy bomb suit or where back up to the bomb disposal team is required but from a less threatening distance.

STANDARD MODELS (others on request)

Sizes: M and XL

Colours: Black, Olive, Blue

Protection: STANAG2920 V50 400–1200 m/s
(different for different parts of suit)

Protective areas: Size M: ~0,46 m²

Weight: Size M: ~1,9 kg (V50 500 m/s)



| Typical insert plate protection levels | Main threat |
|--|-------------------------------------|
| NIJ 0101.04 level III ICW IIIA | 7,62x51 (7,62mm NATO) FMJ (M80) |
| NIJ 0101.04 level III STAND ALONE | 7,62x51 (7,62mm NATO) FMJ (M80) |
| NIJ 0101.04 level IV ICW IIIA | 30-06 Springfield (7,62x63) AP (M2) |
| NIJ 0101.04 level IV STAND ALONE | 30-06 Springfield (7,62x63) AP (M2) |
| NIJ 0101.06 level III ICW IIIA | 7,62x51 (7,62mm NATO) FMJ (M80) |
| NIJ 0101.06 level III STAND ALONE | 30-06 Springfield (7,62x63) AP (M2) |
| TR2008 level SK4 ICW SK1 | 7,62x51 (7,62mm NATO) AP (P-80) |
| VPAM level 6 ICW SK1 | 7,62x39 FMJ MSC (PS)(AK47)(M43) |
| VPAM level 6 STAND ALONE | 7,62x39 FMJ MSC (PS)(AK47)(M43) |

INSERT PLATES, SHIELDS, ACCESSORIES AND HELMETS

We offer and manufacture a wide range of additional protective products ranging from insert plates to ballistic shields, helmets, visors and safety devices. These products are available in a range of protective abilities as required by the end-user and are fully certified to meet the international standards.



INSERT PLATES

We offer a wide range of ballistic insert plates to cover the most common protective standards and requirements. These plates are available in a variety of ergonomic shapes and sizes and material finishes. Our offering consists of hundreds of options, with the most commonly used presented in the list on the next page.



THROAT PLATE
(On request, multiple protection levels are available.)

| THREATS | |
|---------|--|
| 1. | 5,45x18 PSM FMJ MSC (7N7) |
| 2. | 7,62x25 Tokarev FMJ MSC |
| 3. | 9x19mm FMJ (Vanäsverken m39/B) |
| 4. | 357 Magnum FMJ TC (Geco #3123146) |
| 5. | 7,62x51 (7,62mm NATO) FMJ (M80) |
| 6. | 30-06 Springfield (7,62x63) AP (M2) |
| 7. | 7,62x39 FMJ MSC (PS)(“AK47 MSC”) |
| 8. | 5,45x39 FMJ MSC (7N6) |
| 9. | 5,56x45 (5,56mm NATO) FMJ (SS109) |
| 10. | 7,62x39 API (BZ) |
| 11. | 7,62x51 (7,62mm NATO) AP (P-80) |
| 12. | 7,62x54 R B32 API |
| 13. | 5,56x45 (5,56mm NATO) SP (FED. TACT. BONDED) |
| 14. | 7,62x51 (7,62mm NATO) FMJ (L2A2) |

| | |
|-----|---------------------------|
| FMJ | Full Metal Jacket |
| MSC | Mild Steel Core |
| TC | Truncated Cone |
| AP | Armor Piercing |
| API | Armor Piercing Incendiary |
| SP | Soft Point |

MOST COMMON INSERT PLATES

| PROTECTION LEVEL | THREATS | SPECIAL THREATS | WEIGHT (g) | BALLISTIC MATERIAL | DIM. (mm) | CODE (Verseidag Ballistic Protection) |
|------------------|---------|-----------------|------------|--------------------|-----------|---------------------------------------|
|------------------|---------|-----------------|------------|--------------------|-----------|---------------------------------------|

INSERT PLATES FOR COVERT / OVERT VEST Shape: single curved, Cover: nylon

| | | | | | | |
|-------------------------------|--|---------|-----|----|---------|------------|
| Male shape (Special threat) | | 1,2,3,4 | 340 | PE | 165x250 | 5018-16X25 |
| Female shape (Special threat) | | 1,2,3,4 | 250 | PE | 150x200 | 5017-15X20 |

INSERT PLATES FOR TACTICAL VESTS Shape: double curved, Cover: nylon

| | | | | | | | |
|-------------|------------------------------------|---|----------------|------|--------------------------------|---------|------------|
| NIJ 0101.04 | NIJ 0101.04 level III ICW IIIA | 5 | | 1100 | PE | 250x300 | 5068-25X30 |
| | NIJ 0101.04 level III+ ICW IIIA | 5 | 7 | 950 | PE | 250x300 | 5262-25X30 |
| | NIJ 0101.04 level III+ ICW IIIA | 5 | 7 | 1200 | PE | 250x300 | 5260-25X30 |
| | NIJ 0101.04 level III+ ICW IIIA | 5 | 7,8,9 | 1850 | Al ₂ O ₃ | 250x300 | 6026-25X30 |
| | NIJ 0101.04 level IV ICW IIIA | 6 | 11 | 2400 | SiC/B4C | 250x300 | 5435-25X30 |
| | NIJ 0101.04 level IV ICW IIIA | 6 | 8,9,10,11 | 2800 | Al ₂ O ₃ | 250x300 | 6014-25X30 |
| | NIJ 0101.04 level III STAND ALONE | 5 | | 1550 | PE | 250x300 | 5290-25X30 |
| | NIJ 0101.04 level III+ STAND ALONE | 5 | 7 | 1300 | PE | 250x300 | 5292-25X30 |
| | NIJ 0101.04 level IV STAND ALONE | 6 | 5,8,9,10,11,12 | 2600 | B4C/PE | 250x300 | 5460-25X30 |
| | NIJ 0101.04 level IV STAND ALONE | 6 | 8,9,10,11,12 | 3400 | Al ₂ O ₃ | 250x300 | 5485-25X30 |
| | | | | | | | |

| | | | | | | | |
|-------------|-----------------------------------|---|--|------|----|---------|------------|
| NIJ 0101.06 | NIJ 0101.06 level III ICW IIIA | 5 | | 1250 | PE | 250x300 | 5280-25X30 |
| | NIJ 0101.06 level III STAND ALONE | 5 | | 1100 | PE | 250x300 | 5295-25X30 |

| | | | | | | | |
|---------|--------------------------|----|---|------|---------|---------|------------|
| TR/VPAM | TR2008 level SK4 ICW SK1 | 11 | 6 | 2400 | SiC/B4C | 250x300 | 5435-25X30 |
| | VPAM level 6 ICW SK1 | 7 | | 950 | PE | 250x300 | 5262-25X30 |
| | VPAM level 6 STAND ALONE | 7 | | 1150 | PE | 250x300 | 5450-25X30 |

SIDE PLATES FOR TACTICAL VESTS Shape: single curved, Cover: nylon

| | | | | | | | |
|-------------|------------------------------------|----|----------------|------|--------------------------------|---------|------------|
| NIJ 0101.04 | NIJ 0101.04 level III+ ICW IIIA | 5 | 7 | 370 | PE | 150x150 | 5260-15X15 |
| | NIJ 0101.04 level III+ STAND ALONE | 5 | 7 | 390 | PE | 150x150 | 5292-15X15 |
| | NIJ 0101.04 level IV ICW IIIA | 6 | 8,9,10,11 | 900 | Al ₂ O ₃ | 150x150 | 6014-15X15 |
| | NIJ 0101.04 level IV STAND ALONE | 6 | 5,8,9,10,11,12 | 780 | B4C HPPE | 150x150 | 5460-15X15 |
| | NIJ 0101.04 level IV STAND ALONE | 6 | 8,9,10,11,12 | 1020 | Al ₂ O ₃ | 150x150 | 5485-15X15 |
| | TR2008 level SK4 ICW SK1 | 11 | 6 | 825 | SiC/B4C | 150x200 | 5435-15X15 |

INSERT PLATE FOR SOFT SHIELD Shape: flat, cover: nylon

| | | | | | | | |
|----------------------|------------------------------------|--------|---|------|--------------------------------|---------|------------|
| NIJ 0108.01 and CAST | NIJ 0108.01 level III STAND ALONE | 5 | | 2800 | PE | 300x600 | 5063-30X60 |
| | NIJ 0108.01 level III STAND ALONE | 5 | | 2150 | PE | 300x600 | 5055-30X60 |
| | CAST 47/11 PB2 (mod.) | 13, 14 | | 2150 | PE | 300x600 | 5055-30X60 |
| | NIJ 0108.01 level III+ STAND ALONE | 5 | 9 | 4900 | Al ₂ O ₃ | 300x600 | 5058-30X60 |



| Typical shield protection levels | Type | Level | Main threat |
|----------------------------------|-----------|-------|---------------------|
| NIJ 0108.01 | BALLISTIC | IIIA | 9x19mm & 44Mag |
| NIJ 0108.01 | BALLISTIC | III | 7,62x51 FMJ |
| NIJ 0101.04 (2001) | BALLISTIC | IIIA | 9mm & .44 Mag |
| NIJ 0101.04 (2001) | BALLISTIC | III | 7,62x51 FMJ |
| CAST 47/11 | BALLISTIC | PB1 | 9x19mm & 12/70 Slug |

Added protection:

| | | |
|-------------------------------|---------|------------------------------|
| INSERT PLATES FOR SOFT SHIELD | Various | See separate list on page 39 |
|-------------------------------|---------|------------------------------|

SOFT SHIELD MODEL *CLASSIC

Our Classical Soft Shield is designed for confined space use in an airplane, train, metro and narrow corridors and is designed to give maximum protection up to NIJ 0108.01 level IIIA threats. This unique shield design also offers the capability to upgrade the protection by means of adding insert plates (one or two) placed centrally in secure pockets. See page 39 for insert plate details. This shield also incorporates additional supporting legs and can be folded in half in use or in storage if required. It can also be joined with another shield to form a supporting wall. The carrying system is of ambidextrous design and can be adjusted if required. A harness system also allows for an easy transport. The materials used are flame retardant and high abrasion resistant Cordura® fabrics.

The size of the shield is 130 cm x 65 cm, or the folding option 65 cm x 65 cm for an easy transport in the car.

The weight of the soft shield is ~7,5 kg.

LIGHT WEIGHT SOFT SHIELD

Our high end Light Weight Soft Shield is designed for same use as the Classic Soft Shield. 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 tested according to Portable Ballistic Protection for UK Police(2011): PB1-40/SG100: 9x19mm bullet stopped ≥ 40 mm from edge, 12/70 slug stopped ≥ 100 mm from edge. The shield also withstands 357 Magnum and 44 Magnum. The shield can also be equipped with trauma protection at the handle location.

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 ~5,3 kg.

Fastening hook straps



RIGID SHIELDS



RIGID SHIELD WITH WINDOW *CLASSIC

The Rigid Shield is designed to give maximum protection up to NIJ 0108.01 level III+AK47MSC threats while affording the user a better degree of visibility by utilizing a 10 cm x 20 cm ballistic glass viewing point. The handle system is designed for ambidextrous use and the shield is finished with a flame retardant petrol shedding and high abrasion resistant coating with moulded rubber edge protection. The size of the shield is 120 cm x 60 cm and the weight is ~22 kg.

Rubber frame



LIGHT WEIGHT RIGID SHIELD

The Light Weight Rigid Shield standard models are either of a size of 100 cm x 40 cm (small) or 115 cm x 55 cm (large). Both shields have a rotating quick adjust handles and removable edge protections. The standard model gives protection up to NIJ 0108.01 level III threats. The weights of the shields, including handles and edge protections are ~11,5 kg (small) and ~16 kg (large). Window models on request.

Rotating quick adjust handle



PISTOL BAG

The Pistol Bag is designed for use in weapon recovery and evidence retrieval. This system ensures internal weapon fixation with adjustable strapping for clear and safe weapon storage or unloading for a variety of pistols and revolvers. This Pistol Bag is made of robust, flame retardant and abrasion resistant black Cordura® with carrying handles and shoulder harness. Stopping ability has been tested against 9x19mm and 357 Magnum.

BALLISTIC BAG

The Ballistic Bag is designed for safe unloading after the weapon has been recovered or used. It consists of a main body and a bottom which stops and catches the bullets without ricochet. The bottom and the body units are connected by Velcro® straps. A self-illuminated aiming point is incorporated in the inside bottom of this bag. This Ballistic Bag is lightweight (~4,2 kg) and easy to transport utilising two handles. Stopping ability has been tested against 9x19mm, 357 Magnum and 12/70 Slug.

SAFETY STATION

The Safety Station is designed for safe unloading after the weapon has been recovered or used. It has been designed to be used in a stationary position or locked into the floor of a vehicle with a base plate. The tube itself can be transported easily when not required in its carrying box. Weight of the Safety station is ~13 kg. The design stands for calibres up to 30–06 Springfield (7,62x63) AP (M2). The protective elements can be replaced quickly and easily after the maximum use.

PROTECSAC

The ProtecSac is an unique product designed for multiple scenarios. It protects the user against bullets and fragments when in position. It can be used as a shield if needed, or as a protective support/stand in different shooting positions. The sack has a carrying strap allowing carrying it on the back. Protective surface area is ~0,7 m² and weight ~6,1 kg. The ProtecSac is provided with a general ballistic protection, allowing protection up to 357 Magnum and 44 Magnum bullets.



HELMETS

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

| Standard Helmets | | Weight (~kg) | | |
|------------------|------------------|--------------|--------|----------|
| Size | Head Circle (cm) | PASGT | SPRINT | SPEC OPS |
| S | 52–56 | 1,4 | 1,3 | 1,3 |
| M | 54–59 | 1,4 | 1,3 | 1,3 |
| L | 57–64 | 1,4 | 1,4 | 1,4 |
| XL | 61–66 | 1,5 | 1,5 | 1,5 |



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

Sizes: S, M, L and XL

Colours: Black, Olive, UN Blue, White

Protection: NIJ 0108.01 IIIA
MIL-STD-662F 1,1g FSP V50 650 m/s

SPRINT HELMET

The SPRINT ballistic helmet is a special operations variant combat helmet. SPRINT helmet is constructed from para aramid material and provides lightweight, robust protection from ballistic and fragmentation projectiles and other low energy threats. It includes factory fitted side rails, providing a solid platform for accessories. On the front side of the helmet there is an integrated universal night vision goggle mount. A four point multi adjustment harness with suede cross straps and a neck pad is anchored to the shell with ballistic resistant bolts, the harness can be easily removed for cleaning or replacement. The SPRINT helmet uses a pad liner system for enhanced stability and comfort.

STANDARD MODELS

Sizes: S, M, L and XL

Colours: Black, Olive Brab, Navy Blue,
(Multicam and IR painting on request)

Protection: NIJ 0108.01 IIIA
STANAG 2920 (17gr FSP) and
MIL-STD-662F V50 650 m/s



SPEC OPS HELMET

The Spec Ops Delta is a special operator helmet, manufactured using advanced Aramid composites. This lightweight robust helmet provides protection against ballistic and fragmentation projectiles. Helmet is equipped with a 4 point adjustable harness and Epic Air impact absorption system from Team Wendy. The harness has a split suede chin strap along with X Style suede neck pad. The helmet is fitted with a universal night vision goggle mount and Picatinny rails which provide a solid platform for flashlights, cameras and other gear.

STANDARD MODELS

Sizes: S, M, L and XL

Colours: Black, Olive Brab, Navy Blue,
(Multicam and IR painting on request)

Protection: NIJ 0108.01 IIIA
STANAG 2920 (17gr FSP) and
MIL-STD-662F V50 650 m/s





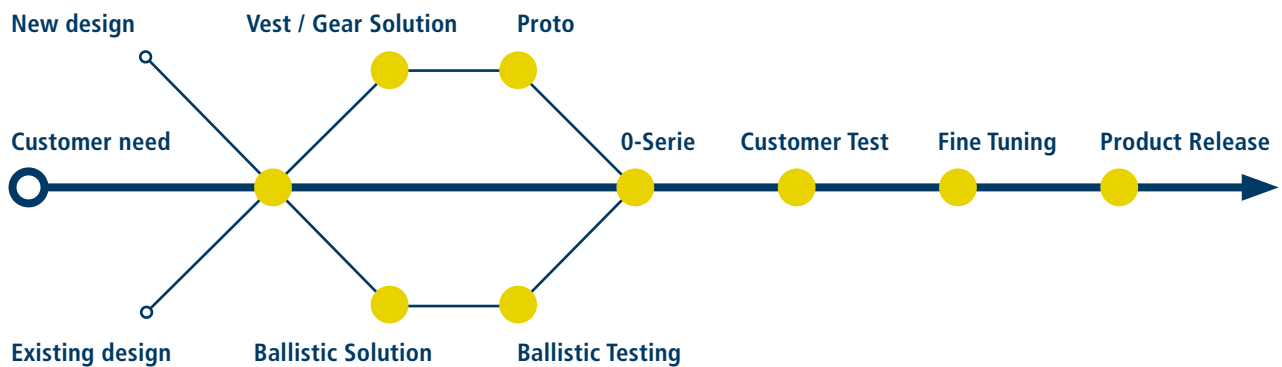
CUSTOMISED PRODUCTS

In addition to our standard range models and designs detailed before we also supply customised versions of these products. We have designed and manufactured these for several projects to Law Enforcement, Defence, Security, Peace keeping forces and Civilian customers across the globe.



CUSTOMISED 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". A few of the reference projects during the last years are shown on the following page.





NOTES

 **VERSEIDAG**
PROTECTION GROUP

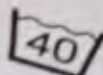
BALLISTIC VEST

THIS CARRIER OFFERS NO BALLISTIC PROTECTION
WITHOUT BALLISTIC PANELS. FOR PROTECTION LEVEL
SEE THE BALLISTIC PANELS INSIDE THE CARRIER.

IMPORTANT

DO NOT CHANGE ANY COMPONENTS OF THE VEST!
ALWAYS PLACE THE PANELS BACK IN THE SAME WAY.
REMOVE THE BALLISTIC PANELS BEFORE WASHING
THE CARRIER!

CLOSE THE VELCROS BEFORE WASHING
THIS CARRIER.



Manufacturer:
VERSEIDAG BALLISTIC PROTECTION OY
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M



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LIFE SAVING DESIGN