



**Fire and Rescue/EMS**

CATALOGUE 2014 | 2015

**We protect you.**

**The German Manufacturer by Tradition.**

# WE GIVE YOU PROTECTION

S-GARD® – your reliable partner for excellent protective clothing.

We develop and make clothing for extreme working conditions. For situations in which you have to rely unconditionally on your clothing and equipment – like in the fire brigades' risky operations, the hard everyday life of rescue services and in very special working and risk areas. Simply in all places where protection is a must and safety plus best wear comfort are of particularly great importance.

## Discover S-GARD®.

In the year 1887, Hubert Schmitz established a weaving mill for special textiles in Heinsberg. Four generations followed. Over the years, this is how German competence has developed in matters of protective clothing: S-GARD®.



## WE GIVE YOU PROTECTION.

„Highest protective effect with optimum wear comfort“ – this is the high demand according to which the innovative S-GARD® clothing is manufactured, because this is the only way to create durable quality products just as the customer requires them. A quality management system based on ISO 9001 and a certification according to Article 11B of the European Directive „Personal Protective Equipment“ ensure that the requirements of this high S-GARD® standard are met.

**We are aware of our responsibility!**



# QUALITY, RESEARCH AND DEVELOPMENT

Even today's best protection is only an interim target for us, for we think there is always something to improve. That is why S-GARD® is active in standards committees and takes part in many research projects. All for your safety.

Within the scope of product development, S-GARD® not only tests new products in accordance with the testing procedures required by law according to DIN standards but well beyond that, too.

During the S-GARD® Safetytours, the products are tested in extreme situations. The test and inspection results of experienced firefighter instructors and emergency relief forces flow directly into development, which is why S-GARD® always wins by a nose.

**„We give you protection.“ – in every situation.**

S-GARD® success with strong market partners:



**3M Scotchlite™**  
Reflective Material



FIRE

RESCUE

TECHNOLOGIES

- TITAN range ..... 4-5
- HUNTER range ..... 6-7
- SWISSGUARD range ..... 8-9
- HERO range..... 10-11
- ATTACK PLUS range ..... 12-13
- ADVANCE PROGRESS range ..... 14-17

- REDATTACK Coat/ATTACK Pants TYPE ..... 18
- SPEEDATTACK Pants ..... 19
- BASICPRO range ..... 20-21
- Flame-Resistant Hood/Protective Poncho ..... 22
- Performance Vest/Identification Cape Collar ..... 23

- SKYGARD range ..... 24-25
- WILDFIRE range ..... 26-27
- RANGER range ..... 28
- RESPONSER/RESCUE light ..... 29
- PATROL ..... 30
- WINDSTOPPER® OFFICER ..... 31

- RESCUE Line ..... 32-34
- Thermo-quilt and Thermo-Fleece Jacket Trousers with Functional Lining ..... 35

- DTS System ..... 36-37
- GORE-TEX® ..... 38-39
- TITAN a Hainsworth® Technology/S-GARD® EXTRAS ..... 40
- S-GARD® EXTRAS ..... 41
- S-GARD® Service ..... 42
- S-GARD® on the Web ..... 43



# TITAN Coat

**DIN EN 469:2007 Xf2, Xr2, Y2, Z2**

Ergonomic collar with width adjustment | Shoulder protectors made of PRX-9000 | S-GARD® MOVE+ construction | Radio pocket on the left with double height adjustment | Bellows pocket on the right, lamp holder with carabiner locking | IRS, integrated rescue system, completely built in the jacket for rescue loop | Waterproof front fastening with panic zip and Napoleon pocket | 2 side pockets with bellows and carabiner loops | 1 carabiner | Flaps with handle reinforcement made of DuPont™ Kevlar® with silicone-carbon coating and Velcro fastening | Tool loop on the left | Long back | Reinforced elbows made of Kevlar® with silicon-carbon coating | Sleeves with S-GARD® Tetra finish, width adjustment, hem made of Kevlar® with silicone-carbon-coating | Knitted cuff with ITC system | Reflective bands fourfold sewn | 2 inspection openings | 1 inside pocket with marking tab

### Layer construction:



Upper fabric type 820: TITAN1220, a Hainsworth® Technology, 220g/m², 89% DuPont™ Nomex®, 9% Kevlar®, 2% P140 antistatic

moisture barrier/insulation: GORE-TEX® membrane with AIRLOCK® Spacer Technology (see page 38)

Lining: 130g/m², 60% Nomex®, 40% viscose FR

Also available with DTS system (see pages 36–37)

**Available sizes:** XS–3XL  
Short sizes: KXS–KXXL  
Long sizes: LS–LXXL

**Order number:** 18877 820 8559 Gold/Black blue  
Also available with DTS system

Additional equipment for the IRS-system (Harness loop):



**IMMEDIATELY READY FOR USE**

### DTS System

Cover flap and depot pocket for the connecting piece.

TITAN1220 a Hainsworth® Technology with REPEL+ Finish Fluorocarbon finish.



TITAN RANGE



# TITAN Pants

**DIN EN 469:2007 Xf2, Xr2, Y2, Z2**

S-GARD® Comfort braces system | Elastic waistband width adjustment | Kidney protection with PRX-9000 protectors | Optimum front fastener with Velcro and press stud | 2 side openings and pocket bags | Step wedge | 2 bellows pockets, on the right with additional knife pocket | Flaps with handle reinforcement made of Kevlar® with silicone-carbon coating | Knee reinforcements made of Kevlar® with silicone-carbon coating with para-aramid padding | Step-in gussets with cover panel and Velcro fastening | S-GARD® TETRA finish in lower leg area | Cut out heel, hem edge and ankle area made of Kevlar® with silicone-carbon coating | Reflective bands fourfold sewn | 2 inspection openings

### Layer construction:



Upper fabric type 820: TITAN1220, a Hainsworth® Technology, 220g/m², 89% Nomex®, 9% Kevlar®, 2% P140 antistatic

moisture barrier/insulation: GORE-TEX® membrane with AIRLOCK® Spacer Technology (see page 38)

Lining: 130g/m², 60% Nomex®, 40% viscose FR

**Available sizes:** XS–3XL  
Short sizes: KXS–KXXL  
Long sizes: LS–LXXL

**Order number:** 28877 820 8559 Gold/Black blue

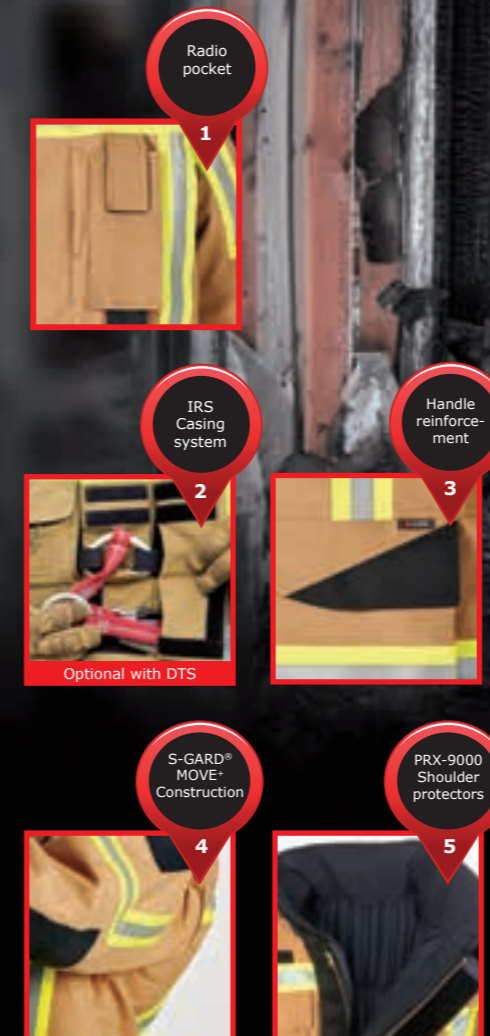


# The S-GARD® TITAN range with TITAN1220, a Hainsworth® Technology with DuPont™ Nomex®

The TITAN range provides optimum safety and wear comfort, and combines excellent material properties with an attractive appearance.

The TITAN range has all the special design characteristics of S-GARD® products with the GORE-TEX® AIRLOCK®-Spacer Technology.

Optional DTS for an IRS-System



TITAN RANGE





## The S-GARD® HUNTER range...

...combines optimum safety and wear comfort with a very light layer construction and an attractive appearance.  
Various color combinations are possible.

Optional  
DTS for an  
IRS-System



Shoulder reinforcement

Knife pocket

1

2

Side pockets, snap hook

Universal pocket

3

4

## HUNTER Coat

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

Ergonomic collar with width adjustment | Shoulder protectors made of DuPont™ Kevlar® with silicone-carbon coating, padding made of aramid fleece | S-GARD® MOVE+ construction | Microphone holders above the breast pocket and on the trimming | 2 radio pockets with double height adjustment | Flaps with handle reinforcement made of Kevlar® with silicone-carbon coating | Additional universal pocket on the right | 2 loops with D-ring | IRS, integrated rescue system, completely built in the jacket for rescue loop | Waterproof front fastening with panic zip and Napoleon pocket | 2 side pockets with carabiner loops | 2 carabiners | Flaps with handle reinforcement made of Kevlar® with silicone-carbon coating and PRX-9000 | Tool loop on the left | Long back | Ergonomically-shaped sleeves with width adjustment | Knife pocket with safety loop on left sleeve | Shaped hem edge on sleeve for optimum protection and freedom of movement | Hem made of Kevlar® with silicone-carbon coating | Knitted cuffs with ITC system | Reflective bands fourfold sewn | 2 inspection openings | 1 inside pocket with marking tab

### Layer construction:



Upper fabric type 812: DuPont™ Nomex® Comfort Ripstop with Kevlar® lattice, 195g/m², 88% Nomex®, 10% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® FIREBLOCKER (see page 38)

Insulation/Lining: three-dimensional special fabric 200g/m², 93% Nomex®, 5% Kevlar®, 2% P140 antistatic

Also available with DTS system (see pages 36–37).

**Available Sizes:** XS–3XL  
Short sizes: KXS–KXXL  
Long sizes: LS–LXXL

**Order number:** 18856 812 5936 Black blue/red  
Also available with DTS system



HUNTER RANGE

## HUNTER Pants

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

S-GARD® comfort braces system | Elastic waistband with width adjustment | Kidney protection | 1 hip pocket | Optimum front fastening with Velcro and press stud | 2 side openings and pocket bags | Crotch gusset | 2 bellows pockets on the right with an additional knife pocket | Flaps with handle reinforcement made of Kevlar® with silicone-carbon coating and PRX-9000 | Knee reinforcement made of Kevlar® with silicone-carbon coating | Cut out heel, hem and ankle area made of Kevlar® with silicone-carbon coating | Reflective bands fourfold sewn | 2 inspection openings

### Layer construction:



Obergewebe, Typ 812: Nomex® Comfort Ripstop with Kevlar® lattice, 195g/m², 88% Nomex®, 10% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® FIREBLOCKER

Insulation/lining: three-dimensional special fabric 200g/m², 93% Nomex®, 5% Kevlar®, 2% P140 antistatic

**Available sizes:** XS–3XL  
Short sizes: KXS–KXXL  
Long sizes: LS–LXXL

**Order number:** 28856 812 599 Black blue  
Knee pads have to be ordered separately.



Cut out heel

Adjustable waistband

1

2

HUNTER RANGE





# SWISSGUARD Coat

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

Ergonomic collar with width adjustment | Shoulder protectors made of PRX-9000 | S-GARD® MOVE+ Construction | 1 microphone holder on the trimming | 2 radio pockets with double height adjustment | Flaps with handle reinforcement made of DuPont™ Kevlar® with silicone-carbon coating | Additional universal pocket with safety carabiner on the right | 2 loops with D-ring | Waterproof front fastening with panic zip and Napoleon pocket | 2 side pockets with carabiner loops | 1 carabiner | Flaps with handle reinforcement made of Kevlar® with silicone-carbon coating and PRX-9000 | Tool loop on the left | Long back | Ergonomically-shaped sleeves with elbow reinforcement made of Kevlar® with silicone-carbon coating and width adjustment | Shaped hem edge on sleeve for optimum protection and freedom of movement | Hem made of Kevlar® with silicone-carbon-coating | Knitted cuffs with ITC system | Reflective bands fourfold sewn in body-language design | 2 inspection openings | 1 inside pocket with marking tab

### Layer construction:



Upper fabric type 812: DuPont™ Nomex® Comfort Ripstop with Kevlar® lattice, 195g/m², 88% Nomex®, 10% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® FIREBLOCKER

Insulation/lining: three-dimensional special fabric 200g/m², 93% Nomex®, 5% Kevlar®, 2% P140 antistatic

Also available with DTS system (see pages 36–67).

**Available sizes:** XS–3XL  
Short sizes: KXS–KXXL  
Long sizes: LS–LXXL

**Order number:** 18853 812 3559 Red/Black blue  
Also available with DTS system  
18853 812 599 Black blue  
Also available with DTS system



IRS-system, recue- and fixing loop have to be ordered separately.

# SWISSGUARD Pants

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

S-GARD® comfort braces system | Elastic waistband with width adjustment | Kidney protection with PRX-9000 protectors | Optimum front fastening with Velcro and press stud | 2 side openings and pocket bags | Flaps with handle reinforcement made of silicone-carbon coating and PRX-9000 | S-GARD® Tetra finish in lower leg area | 2 bellows pockets on the right with additional knife pocket | Wide knee reinforcements made of Kevlar® with silicone-carbon coating and padding made of para-aramid felt | Step in gussets with cover panel and Velcro fastening | Cut out heel, hem and ankle area made of Kevlar® with silicone-carbon coating and PRX-9000 | Reflective bands fourfold sewn | 2 inspection openings

### Layer construction:



Upper fabric type 812: Nomex® Comfort Ripstop with Kevlar® lattice 195g/m², 88% Nomex®, 10% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® FIREBLOCKER

Insulation/lining: three-dimensional special fabric 200g/m², 93% Nomex®, 5% Kevlar®, 2% P140 antistatic

**Available sizes:** XS–3XL  
Short sizes: KXS–KXXL  
Long sizes: LS–LXXL

**Order number:** 28853 812 3559 Red/Black blue  
28853 812 599 Black blue



# The S-GARD® SWISSGUARD range ...

...with the body-language stripes optimises "overall visibility". The very light and comfortable layer construction provides optimum safety and functionality.

Optional DTS for an IRS-System



SWISSGUARD RANGE

SWISSGUARD RANGE





## The S-GARD® HERO range ...

...from avant-garde to classic: it is a modern, jacket and pants in a premium finish as well as the GORE-TEX® membrane with AIRLOCK® Spacer Technology.



Lamp bracket

1

IRS casing system

2

Reinforced elbows

3

Width adjustment

4

PRX-9000 Shoulder protectors

5

Optional with DTS

## HERO Coat

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

Ergonomic collar with width adjustment | Shoulder protectors made of PRX-9000 | S-GARD® MOVE+ construction | 2 radio pockets with double height adjustment | Lamp bracket with carabiner locking on the right | Waterproof front fastening with panic zip and Napoleon pocket | 2 side pockets with carabiner loops | 1 carabiner | Flaps with DuPont™ Kevlar® handle reinforcement with silicone-carbon coating and PRX-9000 | Long back | Ergonomically-shaped sleeves with width adjustment | Kevlar®-reinforced elbows with silicone-carbon coating and PRX-9000 padding | Shaped sleeve hem for optimum protection and freedom of movement | Kevlar® hem with silicone-carbon coating | Knitted cuffs with ITC system | Fourfold sewn reflective bands | 2 inspection openings | 1 inside pocket with identification tab

Also available with DTS system.  
Special design. Please ask!

Layer construction:



Upper fabric type 813: DuPont™ Nomex® 195g/m², 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® Membrane with AIRLOCK® Spacer Technology (see page 38)

Lining: 130g/m², 60% Nomex®, 40% viscose FR

Available sizes: XS-3XL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

Order number: 18866 813 850 Gold  
18866 813 599 Black blue  
188661 813 5914 Black blue/Yellow



HERO RANGE,  
HERO ATTACK

## HERO ATTACK Pants

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

S-GARD® comfort braces system | Elastic waistband with width adjustment | Kidney protection with PRX-9000 protectors | Optimum front fastening with Velcro and press stud | 2 side openings and pocket bags | Crotch gusset | 2 bellows pockets on the right with an additional knife pocket | Flaps with DuPont™ Kevlar® handle reinforcement and silicone-carbon coating plus para-aramid felt padding | Step-in gussets with cover panel and Velcro fastening | Cut out heel, hem and ankle area made of Kevlar® with silicone-carbon coating | S-GARD® TETRA finish in lower leg area | Reflective bands with double seams | 2 inspection openings

Layer construction:



Upper fabric type 813: DuPont™ Nomex® Tough, 195g/m², 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® Membrane with AIRLOCK® Spacer Technology

Lining: 130g/m², 60% Nomex®, 40% viscose FR

Available sizes: XS-3XL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

Bestellnummer: 28867 813 850 Gold  
28867 813 599 Black blue



Width adjustment

1

Kidney protection

2

HERO RANGE



3M Scotchlite®  
Reflective Material

DuPont™  
Nomex®





## The S-GARD® ATTACK PLUS range...

...the universal fire brigade's protective clothing – a good choice for every operation.



ATTACK PLUS RANGE

Shoulder protectors

1



Reinforced elbows

2



## ATTACK PLUS Coat

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

Long Version, ergonomic collar with width adjustment | Shoulder protectors made of aramid fleece with outer fabric | 2 radio pockets with double height adjustment | Waterproof front fastening with panic zip | 2 side pockets with carabiner loops | 1 carabiner | Movement gussets under the arms | Reinforced elbows made of DuPont™ Kevlar® with silicone-carbon coating | Sleeves with S-GARD® Tetra finish, width adjustment and hem made of Kevlar® with silicone-carbon coating | Knitted cuffs with ITC system | Reflective bands fourfold sewn | 2 inspection openings | 1 inside pocket with marking tab

Layer construction:



Obergewebe, Typ 813: DuPont™ Nomex® Tough, 195g/m², 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® membrane with AIRLOCK® Spacer Technologie (see page 38)

Lining: 130g/m², 60% Nomex®, 40% viscose FR

**Available sizes:** 44 – 64  
Short sizes: K44 – K64  
Long sizes: L44 – L64

**Order number:** 18865 813 599 Black blue



ATTACK PLUS RANGE

## ATTACK PLUS Pants

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

S-GARD® comfort braces system | Elastic waistband | Kidney protection | Optimum front fastening with Velcro and press stud | 2 side openings and pocket bags | 2 bellows pockets on the right with an additional knife pocket | Wide knee reinforcements made of DuPont™ Kevlar® with silicone-carbon coating with para-aramid padding | Step-in gussets with cover panel and Velcro fastening | S-GARD® TETRA finish in lower leg area | Cut out heel, hem and ankle area made of Kevlar® with silicone-carbon coating | Reflective bands fourfold sewn | 2 inspection openings

Layer construction:



Upper fabric type 813: DuPont™ Nomex® Tough, 195g/m², 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® membrane with AIRLOCK® Spacer Technologie (see page 38)

Lining: 130g/m², 60% Nomex®, 40% viscose FR

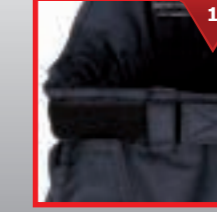
**Available sizes:** XS – 3XL  
Short sizes: KXS – KXXXL  
Long sizes: LS – LXXL

**Order number:** 28867 813 599 Black blue



Width adjustment

1



Kidney protection

2





# ADVANCE PROGRESS Coat

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

Ergonomic collar with width adjustment | Shoulder protectors made of DuPont™ Kevlar® felt with outer fabric | Radio pockets on the left with double height adjustment | Bellows pocket on the right, lamp bracket with carabiner locking | Waterproof front fastening with panic zip | Waterproof front fastening with panic zip | 2 side pockets carabiner loops | 1 carabiner | Long back | Movement gussets under the arms | Reinforced elbows made of Kevlar® with silicone-carbon coating | Sleeves with width adjustment and hem made of Kevlar® with silicone-carbon coating | Knitted cuffs with ITC system | Reflective bands with double seams | 2 inspection openings | 1 inside pocket with identification tab

**Layer construction:**



Upper fabric type 813: DuPont™ Nomex® Tough, 195g/m², 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier: GORE-TEX® FIREBLOCKER

Lining: three-dimensional special fabric, 200g/m², 93% Nomex®, 5% Kevlar®, 2% P140 antistatic

**Available sizes:** XS-3XL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

**Order number:** 18888 813 599 Black blue  
18888 813 850 Gold



# ADVANCE PROGRESS Pants

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

S-GARD® comfort braces system | Elastic waistband with width adjustment | Kidney protection | Optimum front fastening with Velcro and press stud | 2 side openings and pocket bags | Crotch gusset | 2 bellows pockets on the right with an additional knife pocket | Pre-shaped knee reinforcements made of Kevlar® with silicone-carbon coating and para-aramid felt padding | Tabs to adjust the leg width | Kevlar® hem with silicone-carbon coating | Fourfold sewn reflective bands | 2 inspection openings

**Layer construction:**



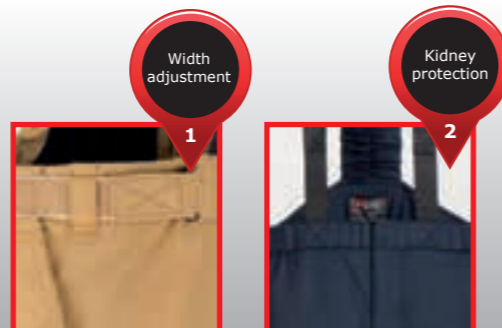
Upper fabric type 813: DuPont™ Nomex® Tough, 195g/m², 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® FIREBLOCKER (see pages 36-37)

Insulation/Lining: three-dimensional special fabric, 200g/m², 93% Nomex®, 5% Kevlar®, 2% P140 antistatic

**Available sizes:** XS-3XL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

**Order number:** 28888 813 599 Black blue  
28888 813 850 Gold



# The S-GARD® ADVANCE PROGRESS range...

...has all the advantages of high-quality, safe and economical fireman's protective clothing. The integrated GORE-TEX® Fireblocker membrane and a very light textile insulation layer give garments a modern, supple and comfortable structure with the highest protective effect.



ADVANCE PROGRESS RANGE

ADVANCE PROGRESS RANGE





## The S-GARD® ADVANCE range...

... all the advantages of high-quality, safe and economical fireman's protective clothing. The integrated GORE-TEX® Fireblocker membrane and a very light textile insulation layer give garments a modern, flexible and comfortable structure with the highest protective effect.



Ergonomic collar

Reinforced elbows

1

2

Shoulder padding

Reflective bands

3

4

## ADVANCE Coat

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

Long Version, Ergonomic collar with width adjustment | Shoulder protectors made of aramid fleece with outer fabric | 2 radio pockets with double height adjustment | Waterproof front fastening with panic zip | 2 side pockets with carabiner loops | 1 carabiner | Movement gussets under the arms | Sleeves with width adjustment | Reinforced elbows and hem made of DuPont™ Kevlar® with silicone-carbon coating | Knitted cuffs with ITC system | Reflective bands fourfold sewn | 2 inspection openings | 1 inside pocket with marking tab

Layer construction:



Upper fabric type 813: DuPont™ Nomex® Tough, 195g/m², 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier: GORE-TEX® FIREBLOCKER

Lining: three-dimensional special fabric, 200g/m², 93% Nomex®, 5% Kevlar®, 2% P140 antistatic

**Available sizes:** 44-64  
Short sizes: K44-K64  
Long sizes: L44-L64

**Order number:** 18880 813 599 Black blue



## ADVANCE PROGRESS Pants

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

S-GARD® comfort braces system | Elastic waistband with width adjustment | Kidney protection | Optimum front fastening with Velcro and press stud | 2 side openings and pocket bags | Crotch gusset | 2 bellows pockets on the right with an additional knife pocket | Pre-shaped knee reinforcements made of Kevlar® with silicone-carbon coating and para-aramid felt padding | Tabs to adjust the leg width | Kevlar® hem with silicone-carbon coating | Fourfold sewn reflective bands | 2 inspection openings

Layer construction:



Upper fabric type 813: DuPont™ Nomex® Tough, 195g/m², 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® FIREBLOCKER  
(see page 38)

Insulation/Lining: three-dimensional special fabric, 200g/m², 93% Nomex®, 5% Kevlar®, 2% P140 antistatic

**Available sizes:** XS-3XL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

**Order number:** 28888 813 599 Black blue



Width adjustment

Kidney protection

1

2



# REDATTACK Coat

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

Long Version, ergonomic collar with width adjustment | Shoulder protectors made of DuPont™ Kevlar® felt with outer fabric | 2 radio pockets with double height adjustment | Waterproof front fastening with panic zip | 2 side pockets with carabiner loops | 1 carabiner | Movement gussets under the arms | Sleeves with S-GARD® Tetra finish and width adjustment | Reinforced elbows and hem made of Kevlar® with silicone-carbon coating | Knitted cuffs with ITC system | Reflective bands fourfold sewn | 2 inspection openings | 1 inside pocket with marking tab

**Layer construction:**



Upper fabric type 816: 265g/m<sup>2</sup>, DuPont™ Nomex® III antistatic

Moisture barrier/insulation: GORE-TEX® membrane with AIRLOCK® Spacer Technologie (see page 38)

Lining: 130 g/m<sup>2</sup>, 60% Nomex®, 40% viscose FR

**Available sizes:** S-XXL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

**Order number:** 18870 816 240 Orange



# ATTACK TYP A Pants

DIN EN 469:2007 Xf1, Xr1, Y2, Z2

Light, flexible, robust pants.

S-GARD® comfort braces system | Elastic waistband | Kidney protection | Optimum front fastening with Velcro and press stud | 2 side openings | 2 bellows pockets on the right with an additional knife pocket | Wide knee reinforcements made of Kevlar® with silicone-carbon coating with para-aramid padding | Step-in gussets with cover panel and Velcro fastening | Cut out heel and hem made of Kevlar® with silicone-carbon-coating | Reflective bands fourfold sewn | 1 inspection opening

**Layer construction:**



Upper fabric type 813: Nomex® Tough, 195g/m<sup>2</sup>, 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation/lining: GORE-TEX® FLAMELINER

**Available sizes:** XS-3XL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

**Order number:** 288 813 599 Black blue



# SPEEDATTACK Pants

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

Light and robust pants, insulation class 2 with a two-layer construction only!

S-GARD® comfort braces system | Elastic waistband | Kidney protection | Optimum front fastening with Velcro and press stud | 2 side openings | 2 bellows | Knee reinforcement made of silicone-carbon coating with PRX-9000 padding | Trousler legs with long side zips on the outside | Hem made of DuPont™ Kevlar® with silicone-carbon coating | Reflective bands fourfold sewn | 1 inspection opening

**Layer construction:**



Upper fabric type 813: DuPont™ Nomex® Tough, 195g/m<sup>2</sup>, 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier/insulation/lining: GORE-TEX® membrane with AIRLOCK® Spacer Technologie (see page 38)

**Available sizes:** XS-3XL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

**Order number:** 28868 813 599 Black blue



REDATTACK/  
ATTACK TYP A

SPEEDATTACK





## The S-GARD® BASICPRO range...

...meets the requirements of DIN EN 469: best finish with many functional details in the well-tried S-GARD® quality.



Ergonomic collar tab

1



Knitted bands with ITC

2



BASICPRO RANGE

## BASICPRO Coat

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

Long Version, collar with ergonomically-shaped collar tab for width adjustment | Wide trimming, panic zip | 2 radio pockets with double height adjustment | 2 side pockets with carabiner tabs | 1 carabiner | Movement gussets under the arms | Sleeves with width adjustment and hem made of DuPont™ Kevlar® with silicone-carbon coating | Knitted cuffs with ITC-System | Reflective bands fourfold sewn | 1 inside pocket with marking tab

Layer construction:



Upper fabric type 813: DuPont™ Nomex® 195g/m², 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier: SIGMATEX HU PU membrane

Insulation: 150g/m² Aramid Regenerat Fleece

Lining: 130g/m², 50% Aramid, 50% viscose FR

Available sizes: 44-64  
Short sizes: K44-K64  
Long sizes: L44-L64

Order number: 18836 813 599 Black blue



BASICPRO RANGE

## BASICPRO Pants

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

S-GARD® comfort braces system | Elastic waistband | Kidney protection | Optimum front fastening with Velcro and press stud | 2 side openings and pocket bags | 2 bellows pockets on the right with an additional knife pocket | Knee reinforcements made of Kevlar® with silicone-carbon coating with para-aramid padding | Step-in gussets with short cover panel and Velcro fastening | Hem made of Kevlar® with silicone-carbon coating | Reflective bands fourfold sewn

Layer construction:



Upper fabric type 813: Nomex® Tough, 195g/m², 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

Moisture barrier: SIGMATEX HU PU membrane

Insulation: 150g/m² Aramid Regenerat Fleece

Lining: 130g/m², 50% Aramid, 50% viscose FR

Available sizes: XS-3XL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

Order number: 28835 813 599 Black blue



1

2

Knee reinforcement

1



Knife pocket

2





## Flame-Resistant Hood

### DIN EN 13911:2004

Double-layered finish (390g/m<sup>2</sup>) | Elasticated face opening | Extra flat seams

#### Layer construction:

Interlock 195g/m<sup>2</sup> (double finish), 48,5% KERMEL®, 48,5% viscose FR, 3% BELTRON

**Order number:** 8001 866 599 Blue



## Protective Poncho

To protect the compressed air breathing apparatus in heat conditioning facilities

#### Layer construction:

Upper fabric type 813: DuPont™ Nomex® Tough, 195g/m<sup>2</sup>, 75% Nomex®, 23% Kevlar®, 2% P140 antistatic

**Order number:** 1880 813 599 Black blue  
1880 813 140 Yellow

## Performance vest

2 microphone brackets | Front fastening possibility for name and identification labels | 2 radio pockets; on the right with additional safety snap | 2 side pockets | Double front fastening with safety lock buckles | Side adjustment with tilting buckles | Fastening possibility at the back for 2 back labels | Inside Velcro tapes to fasten on coat | High-quality finish with inside facing all around

#### Layer construction:

Upper fabric type 6678: 275g/m<sup>2</sup>, 55% modacrylic, 43% cotton, 2% P140 antistatic

**Order number:** 68810 6678 360 Red  
68810 6678 910 White  
68810 6678 550 Blue  
68810 6678 150 Yellow  
68810 6678 640 Green



## Identification cape collar

### Flame-retardant design.

Please order the identification cape collars to match the S-GARD® jacket model. It is possible to have an individual print or finish made of Velcro frieze for a back label. Please feel free to contact us.





# The SKYGARD® High Angle Rescue Overall by S-GARD® ...

...was developed by specialists from the firefighter/high angle rescue service. The extremely scuff-resistant GORE-TEX® upper fabric is permanently waterproof, windproof and breathable. Waterproof zips, ventilation openings under the arms as well as the cut specially adapted for wearing a harness and positioning the pocket openings are oriented towards the requirements of practice.

## SKYGARD HIGH ANGLE RESCUE OVERALL

**DIN EN 343:2010 Class 3/3**

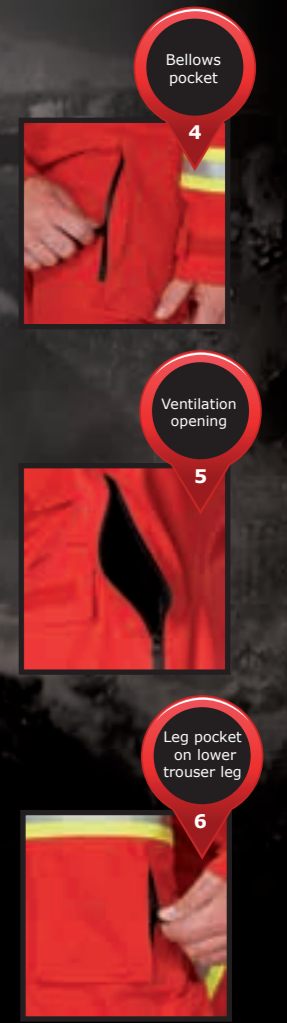
**Weatherproof combination with many extras for more comfort and safety when working at heights.**

High-fastening collar with integrated hood | Waterproof front fastening with press studs, 2-way zip and Napoleon pocket | 2 radio pockets | 2 openings with zip | 2 pockets on upper sleeve for radio/mobile phone, the left-hand pocket with frieze for a badge | 1 sleeve pocket inside lower left sleeve | 2 bellows pockets at thigh height | 2 bellows pockets in lower area | All pockets can be securely closed and are waterproof | Elasticated waistband | Ventilation opening under the arms | Sleeves and trouser hem with width adjustment | 3M TrimTape reflective bands | Fully Ranged | Knee and reinforced elbows made of Codura | Reinforced elbows with PRX-9000 padding | Velcro tape for badges and name tags

**Layer construction:** 

Upper fabric type 570: 230g/m<sup>2</sup>, GORE-TEX® ATLANTA II, double-layered, 100% polyamide-laminated with PTFE membrane  
 Lining of top: 85g/m<sup>2</sup>, polyester mesh lining  
 Lining of trousers: 55g/m<sup>2</sup> smooth taffeta lining for an easy step-in

**Available sizes:** S-XXL  
**Order number:** 743101 570 580 Dark blue  
 743101 570 360 Red



SKYGARD RANGE

SKYGARD RANGE





## S-GARD® WILDFIRE

Forest fire! Firemen are confronted more and more often with this special kind of operation. Our product ranges WILDFIRE and RANGER meets and exceeds these challenges.



WILDFIRE RANGE

## WILDFIRE Action Jacket

**DIN EN 15614:2007**

Extra highly padded stand-up collar | Breast pocket on the left for radio | 2 double side pockets with eyelets to drain the water | Underarm gussets for more freedom of movement | Multifunctional sleeve pocket on left | Front fastening with 2-way zip and trimming | Breast pocket on left for radio | 3M TrimTape reflective finish | 2 inside pockets | Microphone tab | Sleeve hem with additional gusset for width adjustment | Diverse frieze strips for name emblems and badges

**Inside:** 1 Waterproof breast pocket | 1 Side pocket

Upper fabric type 8443: 260g/m<sup>2</sup>, DuPont™ Nomex® Comfort

**Available sizes:** S-XXL

**Order number:** 18310 8443 140 Yellow



WILDFIRE RANGE

## WILDFIRE Action Pants

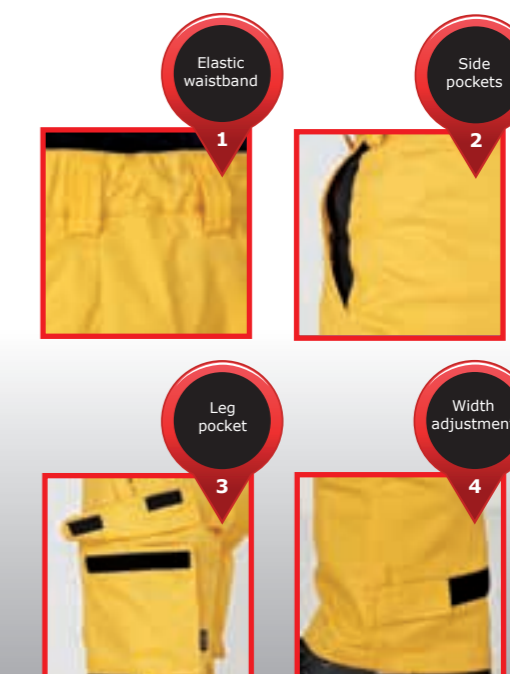
**DIN EN 15614:2007**

Elastic waistband with hook fastener | 8 belt loops | 2 pleats | Zip fly | 2 side pockets with zip | 2 bellows pockets with eyelets to drain the water | Reflective finish | Trousers hem with width adjustment | Knee reinforcement made of DuPont™ Kevlar® with silicone-carbon coating

Upper fabric type 8443: 260g/m<sup>2</sup>, Nomex® Comfort

**Available sizes:** S-XXL

**Order number:** 28310 8443 140 Yellow





# RANGER Coat

**DIN EN 15614:2007**

Ergonomic stand-up collar | Radio pocket on left | Bellows pocket on right | Microphone holder | Trimming with Velcro strip, metal zip | Golf pleats at the back | Long back | Zip to connect coat and pants in the waist | Movement gussets under the arms | Sleeve hem with width adjustment | Reflective bands fourfold sewn


Upper fabric type 823: 295g/m <sup>2</sup> , 65% viscose FR, 35% aramid	
<b>Available sizes:</b>	S-XXL
<b>Order number:</b>	18643 823 850 Gold



# RANGER Pants

**DIN EN 15614:2007**  
**DIN EN 469:2007 Xf1, Xr1, Y1, Z2**

Waistband with hook fastening | 8 belt loops | Pleats | Zip to connect coat and pants in the waist | 2 side pockets | 2 bellows pockets | Frieze strip for name tag on left-hand pocket flap | 1 hip pocket | Reflective bands fourfold sewn | Knee reinforcement, hem and ankle area made of DuPont™ Kevlar® with silicone-carbon coating | Tabs to adjust width of pants leg | Lining

**Layer construction:** 

Upper fabric type 823: 295g/m <sup>2</sup> , 65% viscose FR, 35% aramid	
Lining: 65% viscose FR, 35% aramid, 160g/m <sup>2</sup>	
<b>Available sizes:</b>	S-XXL
<b>Order number:</b>	28643 823 850 Gold




# RESPONER Coat

**DIN EN 469:2007 Xf1, Xr1, Y2, Z2**

**A two-layered construction only!**  
**Optimal protective coat for technical assistance.**

Ergonomic collar with width adjustment | 2 Breast pockets on left as radio pockets, double height adjustment | Waterproof front fastener, metal zip | 2 side pockets with carabiner tabs | 1 carabiner | Golf pleats at the back | Reinforced elbows made of outer fabric | Adjustable sleeve width | Knitted cuffs with ITC system | Reflective bands fourfold sewn | 1 inspection opening | 1 inside pocket with zip

**Layer construction:** 

Upper fabric type 813: DuPont™ Nomex® Tough, 195g/m <sup>2</sup> , 75% Nomex®, 23% Kevlar®, 2% P140 antistatic	
Moisture barrier/insulation/lining: GORE-TEX® FLAMELINER	
<b>Available sizes:</b>	XS-3XL Short sizes: KXS-KXXL Long sizes: LS-LXXL
<b>Order number:</b>	18820 813 599 Black blue



# RESCUE light Pants

**DIN EN 11612:2009**

**These pants were developed for technical rescues.**  
**They have one layer, are light, comfortable, robust and functional.**

S-GARD® comfort braces system | Elastic waistband | Kidney protection | Optimal front fastening with Velcro and press stud | 2 side pockets | 2 bellows pockets on the right with additional knife pocket | Knee reinforcements made of DuPont™ Kevlar® with silicone-carbon coating and para-aramid padding | Cut out heel and hem made of Kevlar® with silicone-carbon coating | HIGH-VIS reflective finish

Upper fabric type 843: Nomex® Comfort, 230g/m <sup>2</sup>	
<b>Available sizes:</b>	XS-3XL Short sizes: KXS-KXXL Long sizes: LS-LXXL
<b>Order number:</b>	28620 843 599 Black blue





# PATROL Coat

DIN EN 469:2007 Xf1, Xr1, Y2, Z2  
DIN EN 471:2008 Class 2/2

Ergonomic collar with width adjustment | Concealed zip in the collar for optional hood (must be ordered separately) | Waterproof front fastening, metal zip | 2 microphone holders | 2 breast pockets as radio pockets, double height adjustment | 2 side pockets with carabiner tabs | 1 carabiner | S-GARD® MOVE+ construction | DuPont™ Kevlar® reinforced elbows with silicone-carbon coating | Adjustable sleeve width | Knitted cuffs with ITC system | Fourfold sewn reflective bands | 1 inspection opening | 1 inside pocket with zip | 1 depot pocket with zip for the hood

### Layer construction:



Upper fabric type 6678: 275g/m<sup>2</sup>, 55% Modacryl, 43% cotton, 2% antistatic

Moisture barrier/insulation/lining: GORE-TEX® FLAMELINER

**Available Sizes:** S-XXL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

**Order number:** 18824 6678 1559 Luminous yellow/Black blue  
**Hood**  
18824K 6678 150 Luminous yellow



Allrounder with high-visibility warning and weather protection

Movement crease

Reinforced elbows

Radio pocket

Hood pocket

Hood

# OFFICER Jacket WINDSTOPPER®



Figure-hugging shape | Stand-up collar | Ergonomically-shaped sleeves | Long back | Front zip | Shoulder casing and Shoulder flaps | Sleeve pocket with flap and pen holder | 2 Breast pockets and 2 side pockets with zip | Concealed frieze strip to fasten a back label | Knitted insert in sleeve hem | 1 inside pocket with zip | Hem with width adjustment

Upper fabric type 22600: WINDSTOPPER® Softshell-Laminate

**Available sizes:** XS-3XL

**Order number:** 13300 22600 599 Black blue



### With stand-up collar



# COMMAND Fleece Jacket

Fleece jacket contrasted with outer fabric | With stand-up or knitted collar | Shoulder flaps | Front zip | Knitted cuffs and hem | 1 sleeve pocket with pencil holder | 1 breast pocket | 2 side pockets with zip

Fleece type 18210: Micro Special Fleece, antipilling 300g/m<sup>2</sup>, 100% Polyester

Fabric insert made of blended fabric: 260g/m<sup>2</sup>, 65% polyester, 35% cotton

**Available sizes:** XS-4XL

**Order number:** 13405 18210 590 Dark blue with stand-up collar  
**Order number:** 13401 18210 590 Dark blue with knitted collar

### With knitted collar





## The S-GARD® RESCUE Line ...

... the consequent use of highest-quality materials like

- GORE-TEX® RespondRanger membrane
- 3M Scotchlite™ reflective material
- Trevira® CS

distinguishes our products.  
Durable, comfortable, reliable!



## RESCUEGARD Parka

**DIN EN 343:2010 Class 3/3**  
**DIN EN 20471:2013 Class 3 GUV-R 2106**

High-fastening collar with integrated hood | 2 radio pockets, adjustable in height | Waterproof front fastener with press studs, 2-way zips and Napoleon pocket | 2 side pockets | Drawstring in the waist | Movement gussets under the arms | construction S-GARD® MOVE+ | 2 double multifunctional sleeve pockets with extra large flaps for badges and coat of arms | Lower sleeves with zip for width adjustment | 3M Scotchlite™ 9910 reflective bands | Inside fasteners and press studs to fasten the S-GARD® thermal jackets | 1 inspection opening

### Layer construction:

Upper fabric type 351: 220g/m², TREVIRA® CS

Lining/climatic membrane: GORE-TEX® RESPONDLINER

**Available sizes:** XS-3XL

**Order number:** 7130 351 3559 Luminous Red - Black blue  
7130 351 1559 Luminous Yellow - Black blue  
7130 351 1536 Luminous Yellow - Carmine red



Thermo-Quilt Jacket or  
Thermal Fleece Jacket  
see page 35.  
Please order separately.



Multi-  
functional  
pocket



Width  
adjustment





## RESCUE Model 230 Pants

Change-friendly waistband with button fastener | 8 belt loops | Pleats | Zip fly | Ranged up to the knee | Waterproof knee protection | 2 side pockets | 1 hip pocket | 1 mobile phone pocket at the back on the left | 2 leg pockets with -contrasting inverted pleat | Functional lining trousers can be inserted | 3M Scotchlite™ 9910 reflective bands

Upper fabric type 351: 220g/m<sup>2</sup>, TREVIRA® CS

Lining: blended fabric 65% polyester, 35% cotton

Knee protection type 22388: GORE-TEX® RESPONDLINER

**Available sizes:** K44-K64, K90-K110, K24-K32  
L44-L64, L90-L110, L24-L32

**Order number:** 230 351 3559 Luminous Red/Black blue  
230 351 1559 Luminous Yellow/Black blue

Upper fabric with dirt and water-repellent fluorocarbon finish!



## RESCUE Modell 236 Pants

Jeans cut | Partly elasticated waistband with button fastener | 8 belt loops | Zip fly | 2 side pockets | 1 hip pocket | 1 mobile phone pocket at the back on the left | 2 leg pockets with bellows pocket | Trouser hem with width adjustment | Functional lining trousers can be inserted | 3M Scotchlite™ 9910 reflective bands

Upper fabric type 630: 300g/m<sup>2</sup>, 65% cotton, 35% polyester

**Available sizes:** K44-K64, K90-K110, K24-K32  
L44-L64, L90-L110, L24-L32

**Order number:** 236 630 599 Black blue  
236 630 360 Carmine red  
236 630 905 White

Upper fabric with dirt and water-repellent fluorocarbon finish!



## Thermo-Quilt Jacket for rescue service jackets

Stand-up collar | Front zip | 1 breast pocket with zip | Sleeves with knitted cuffs | Long back

Upper fabric type 18006: 2x75 g/m<sup>2</sup> Polytaft with 80 g/m<sup>2</sup> cotton

**Available sizes:** XS-3XL

**Order number:** 8106 18006 795 Black



## Thermal Fleece Jacket for rescue service jacket

To be worn separately | Stand-up collar | Front zip | 2 Breast pockets with zip | 2 side pockets | Long back | Hem with width adjustment

Upper fabric type 18210: 280g/m<sup>2</sup>, micro special fleece, antipilling

**Available sizes:** XS-3XL

**Order number for RSJ:** 8101 18210 580 Dark blue



## Functional Ranger Pants

Button-in into S-GARD® RESCUE waistband pants model 230 and model 236.

Upper fabric type 22388: GORE-TEX® RESPONDLINER

**Available sizes:** K44-K64, K90-K110, K24-K32  
L44-L64, L90-L110, L24-L32

**Order number:** 72307 22388 730 Grey







- QUICKLY READY FOR USE
- MEMBRANE-FRIENDLY CONSTRUCTION

IRS, Integrated rescue system for the safety and rescue harness.

EN 358, EN 1498-B, width: 8 cm

Available sizes: XS-3XL

Order number: 8000 99 001



The size of the rescue loop has to be ordered to match jacket size.

Snap hook Heart light, TL-Plus fastening

Order number: 8301 99 001



Self-securing loop - FW(N)

Order number: 8302 99 001



## S-GARD® DTS SYSTEM

The DTS system brings from now on more safety into everyday operations.

Together with specialists for rope-up protection, S-GARD® has developed this revolutionary rescue system.

The harness and rescue belt with fasteners integrated (IRS) in the firecoat is ready for use within a few seconds thanks to the new depot pocket. This system first of all provides quick self-securing by holding the worker where there is the risk of falling in everyday operations in ad hoc situations like e.g. on slopes with the danger of slipping or on turntable ladders.

Secondly, during emergencies in an inside attack, it provides the possibility of abseiling from rooms one can retreat from or as a strap used by the security squad in a rescue action.

Upon request, the DTS system is available for the following jacket models: **TITAN, HUNTER, SWISS-GUARD, HERO, ATTACK PLUS.**

All jackets with the DTS system are also equipped with a holder for additional tools like e.g. a fireman's axe.

Ready for use in 3 seconds!



Step 1: Prepared system



Step 2: Open depot flap



Step 3: Pull fastener out of depot pocket

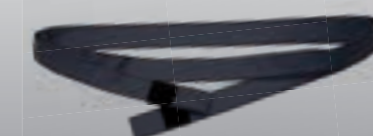


Step 4: Ready for use

Drawing-in device

Material: 190g/m<sup>2</sup>, 100% cotton FR

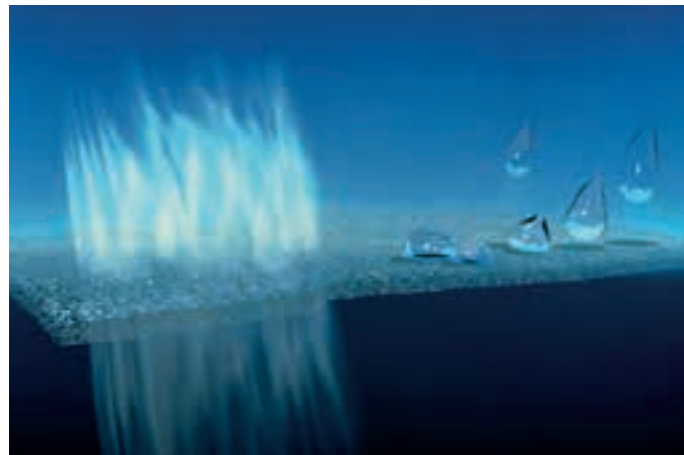
Order number: 8300 99 001







## GORE-TEX® Clothing against Heat & Flames

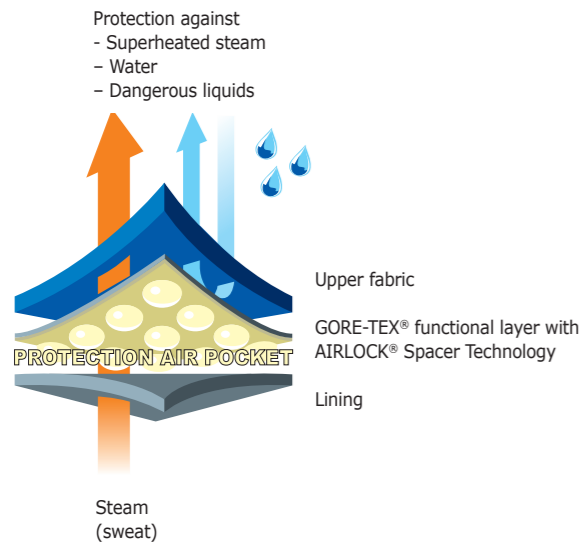


GORE-TEX® clothing against heat & flames provides the optimal synthesis of protection and comfort. The permanently waterproof and heat-proof clothing reduces the heat stress and provides high wear comfort, as it is particularly breathable. The wearer remains efficient when in action.

The unique GORE-TEX® membrane neither burns nor melts. As an intermediate layer between an insulating layer and an upper fabric, it gives its full performance even when shortly in contact with fire or a flashover.

- The GORE-TEX® membrane is heat and cold-resistant from +327°C to -250 °C
- Extremely durable even in direct contact with heat and after several washes
- Maximum breathability to reduce heat stress
- Still permanently waterproof even after 25 wash cycles
- Protection against contamination through chemicals with pH 0 to pH 14
- GORE-TEX® moisture barriers hold the insulation dry

## GORE-TEX® Clothing against Heat & Flames with AIRLOCK® Spacer Technology

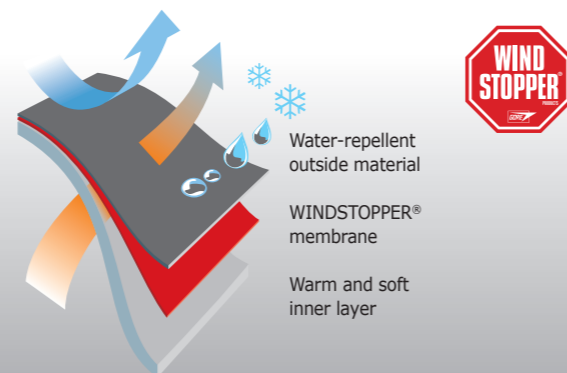


### The protective air pocket

Gore products with AIRLOCK® Spacer Technology give the firefighter best protection against heat – without the burden of heavy, bulky and not very breathable equipment.

- Space for an insulating air pocket is created through heat-stable and chemical-resistant spacers on the Gore moisture barrier.
- No additional textile insulation
- Weight of the insulation is reduced by more than 50%
- Heat stress is reduced through high breathability
- Quick redrying in action, as the insulation absorbs only little sweat
- Reduced risk of injuries through scalding, as hardly any liquid is store but evaporates as steam
- Protects against heat also after washing and cleaning
- The microporous ePTFE membrane remains supply and bend-stable even at very high or very low temperatures
- Good results in the THERMO-MAN® test
- More freedom of movement thanks to flexible and light materials

\*THERMO-MAN® is a registered trademark for E. I. du Pont de Nemours and Co., US



## WINDSTOPPER® Soft Shells

WINDSTOPPER® Soft Shells unite the climatic comfort of a soft middle layer with the water-repellent function of a shell.

They are absolutely stormproof and breathable. WINDSTOPPER® Soft Shell provides comfort, a long-lasting appearance and water resistance in a number of activities and weather conditions.



## GORE-TEX® Suction Barriers

After several washes or longer wearing, the original water and oil-repellent impregnation of the upper fabric decreases. Rain and extinguishing water, acids, lye and other liquids collect in the hems and can be sucked in over the seams, zips or insulating lining. Wet lining makes clothing heavy, the wear comfort diminishes and there could be the risk of a scalding injury through heat impact. That is why S-GARD® applies specially-developed suction barriers by Gore in the front, sleeve and breast areas to prevent liquids from penetrating.



## Gore Rain Tower Test

### Gore rain tower test to control the water impermeability of GORE-TEX® clothing

The test in the Gore rain tower is the most important testing procedure to establish whether GORE-TEX® clothing is waterproof even under extreme weather conditions. As the worldwide first manufacturer of functional textiles, Gore installed a rain tower more than twenty years ago. All prototypes of new clothing are tested in this rain tower.

A turning doll wears the clothing to be tested and is exposed to different weather conditions depending on the requirement, i.e. from a slight drizzle to horizontally windswept showers.

Sensors register every moisture passage. If there are leaks, the prototype is refused and improved until it passes the test.

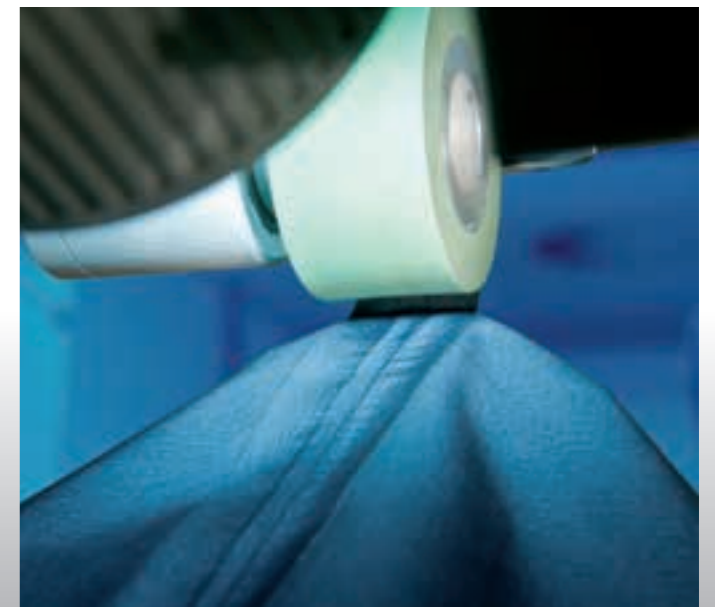


## Gore Seam Sealing

### GORE-TEX® clothing is permanently waterproof thanks to special seam sealing

Seams and quilting impair the waterproof property and water can enter. That is why they have to be completely sealed. With its GORE-TEX® clothing, S-GARD® relies on GORE-SEAM® TAPES and on one of Gore's patented seam sealing procedures.

These special seam sealing bands developed by Gore make sure that each seam and every so tiny seam hole is permanently closed and watertight. This sealing technology is being further developed to make clothing still lighter, more comfortable and more durable.





## TITAN a Hainsworth® Technology

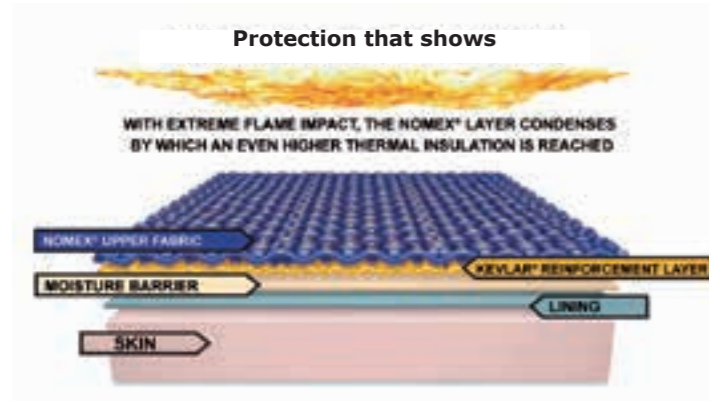
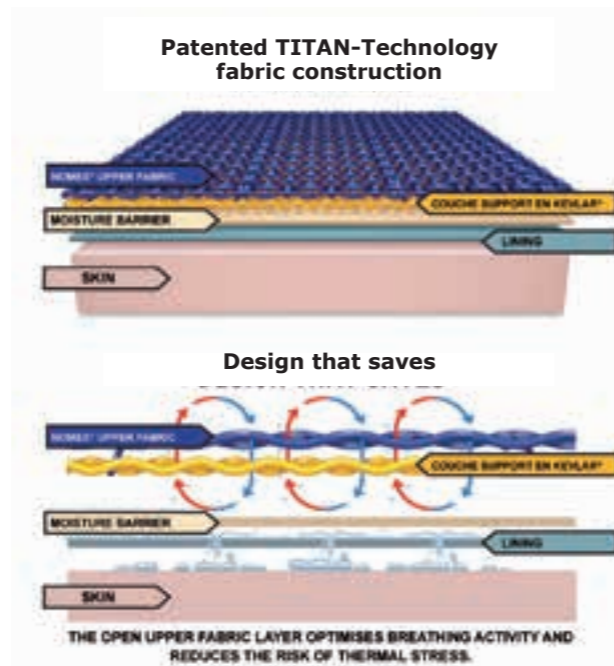
The S-GARD® patented TITAN a Hainsworth® Technology fabric construction was specially developed for firefighters and minimises the symptoms of heat stress, so that you can keep a cool head in every situation.

Heat stress is the greatest risk worldwide for firefighters. The upper fabric by Hainsworth® tested by the Hohensteiner Institut has many advantages for the wearer:

- The body temperature is stabilised
- Sweat is channelled off
- Up to 25% better heat insulation under the effect of heat
- Reduced symptoms of fatigue caused through heat and heat stroke
- Helps to prolong the span of alertness
- Longer durability, as the UV-sensitive DuPont™ Kevlar® fabric is protected by the DuPont™ Nomex® upper fabric.

### Optimal protection through patented fabric construction

Under the effect of heat, the specially-developed fabric reacts and forms air pockets in the clothing. This is a procedure called "Active Air Entrapment".



## S-GARD® PRX-9000 Padding Elements

Padding is sensible precisely there where e.g. the breathing apparatus rests or presses. The **PRX-9000** elements are made of foamed, durable elastic and flame-retardant special polymer, and they release the pressure in the strongly strained shoulder and back areas by fitting exactly into the S-GARD® clothing.

Owing to their vertical and strip-type positioning, the arrangement of the single elements benefits the air exchange between the back and breast area, considerably improving the wear comfort.



## S-GARD® TETRA-System

By incorporating and sealing all single clothing layers separately, the barrier is created that prevents moisture from creeping inside the pieces of clothing. This special type of finish applied in the lower sleeve and leg areas.

For firecoats and overtrousers equipped with the S-GARD® TETRA system, a stable fixing of all layers is achieved, i.e. there is no slipping and sliding when putting the garments on or taking them off.



## S-GARD® MOVE+ Construction

Through this special cut of the shoulder and armpit area, mobility of the upper body is significantly raised. Vertical and horizontal actions become considerably easier and more comfortable through MOVE+. S-GARD® not only makes these multi-widths in the upper fabric but in the entire layer build-up. That way, one can feel that the S-GARD® items are more comfortable than comparable pieces of clothing.



## S-GARD® Knitted Cuff with ITC-System

ITC stands for "Individual Thumb Control". ITC provides the wearer of the jacket both a safe cuff on the jacket sleeve through its Nomex® special knit and also the possibility of adjusting the thumb opening individually in this knitted cuff to the size of one's hand through the ITC system. One only needs to make small cuts through the necessary number of bar tacks in the thumb hole trimming and the knitted cuff already fits those with large hands.



## S-GARD® Concept Repair friendliness

S-GARD® clothing is planned and manufactured so that it can be repaired quickly and with little technical efforts. The S-GARD® firecoats, for instance, are equipped with a trimming construction that minimises the effort of changing a front zip considerably.

Of course, also the special S-GARD® repair and control openings help to reduce the time for repair. The incorporation of these openings makes work in front of and behind the membrane easier and very much cheaper. In total, the principle of "repair friendliness" makes the repair of a piece of clothing much more economical than buying a new one.



## S-GARD® testing

S-GARD® has all current model ranges available to enable the fire service to get to know the quality products and perform practice-oriented tests with them at first hand before buying. You are welcome to obtain our sets for testing, so that you can convince yourself of the excellent properties of our clothing systems.

Discover the protective effect yourself, the layer build-up, comfortable cut, functionality and many extraordinary equipment features of S-GARD® protective clothing.





## Repair Service

When in action, things usually have to be quick. This strongly wears out your operational clothing and sometimes even damages it.

The S-GARD® repair service is trained for these cases and checks your damaged protective clothing to see if it is still fit for use. From the reflective bands to the damaged membrane – we expertly bring your clothing back into shape, so that you have the best of protection also in further operations.



## Care

With proper care you can extend the life of your clothes a multiple. S-Gard® offers valuable maintenance tips for cleaning and disinfecting your protection gear. Only properly cared for, will last longer!



## Emergency Service

Especially for unforeseen incidents, S-GARD® has set up an emergency pool with action clothing for the fire service.

In such operations where the pool of own protective clothing is not sufficient, e.g. through contamination, S-GARD® offers a quick emergency service with protective clothing. It's burning – do you need help? Call us.

**We are there for you.**

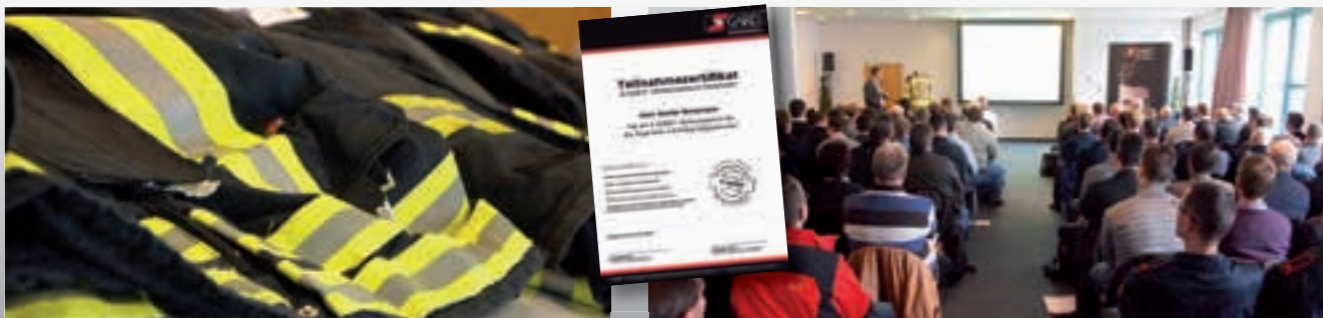


## Seminars/Maintenance

Use the know-how of the S-GARD® experts and find out how you can considerably prolong the operational use and wear comfort of your clothing through regular controls and expert maintenance and maintain its full protection. The S-GARD® professional team is gladly there to answer all your individual questions.

## Symposium

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