

# SINGER<sup>®</sup>

## safety

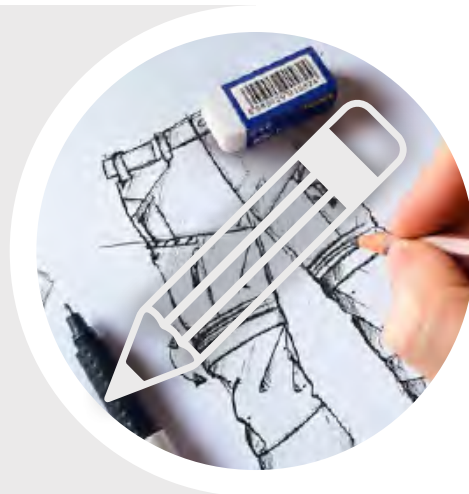
PERSONAL PROTECTIVE EQUIPMENTS

## CREATION & INNOVATION

Our teams are looking for the latest trends. They offer **original**, **aesthetic** and **comfortable** products that meet all the standards in force.

Continuous improvement and innovation are at the heart of our concerns.

We rely on our perfect knowledge of the market to offer products ever more **reliable**, **durable** and **safe** at **competitive** prices.



## PRODUCTION & CONTROL

To ensure the **conformity** of our **manufacturing**, we regularly carry out **audits** as well as **controls** at the start and reception of our products.

**+ 7 000**

ANNUAL PRODUCTION CHECKS



## CERTIFICATION & APPROVAL

Our products are subject to **strict certification procedures** in accordance with European standards.

We provide you with all the **useful documentation**: user manuals, technical data sheets, declarations of conformity attesting to the approval.







## SALES & COMMUNICATIONS

Eager to make **information accessible** and **understandable** by all, we have developed numerous tools for simplification and sales assistance (catalogue, website, segmentation of our ranges, technical sheets, etc.).

Our sales department provides you with **appropriate advice** and **guides you** in choosing the product that meets your needs.

**+ 20 000 000** ITEMS SOLD PER YEAR

**+ 2 500** REFERENCES OFFERED FOR SALE



## TESTING & IMPROVEMENT

As close as possible to the reality on the ground, we regularly collaborate with users who test our products in **real conditions**.

Their feedback allows us to **improve** and **perfect** our offer.



## LOGISTICS & STORAGE

At the heart of the port of Dunkirk, our logistics platforms offer you **permanent availability** of more than 8 million carefully selected and controlled items. The **total control of our operations** combined with the experience accumulated over the generations guarantee you a very strong reactivity and a high quality service.

**+ 15 000** M<sup>2</sup> OF STORAGE SPACE

**+ 8 000 000** ITEMS IN STOCK

CUSTOMIZED ANALYSIS, SUPPLY, INSTALLATION...

**BOOST SALES IN YOUR STORE**





TRAINING SESSIONS ON YOUR PREMISES (PRODUCTS, STANDARDS, RISKS)...

**ENHANCE THE EXPERTISE OF YOUR SALES STAFF**



BAGS, BRIEFCASES, CARRYING CASES, SAMPLES...

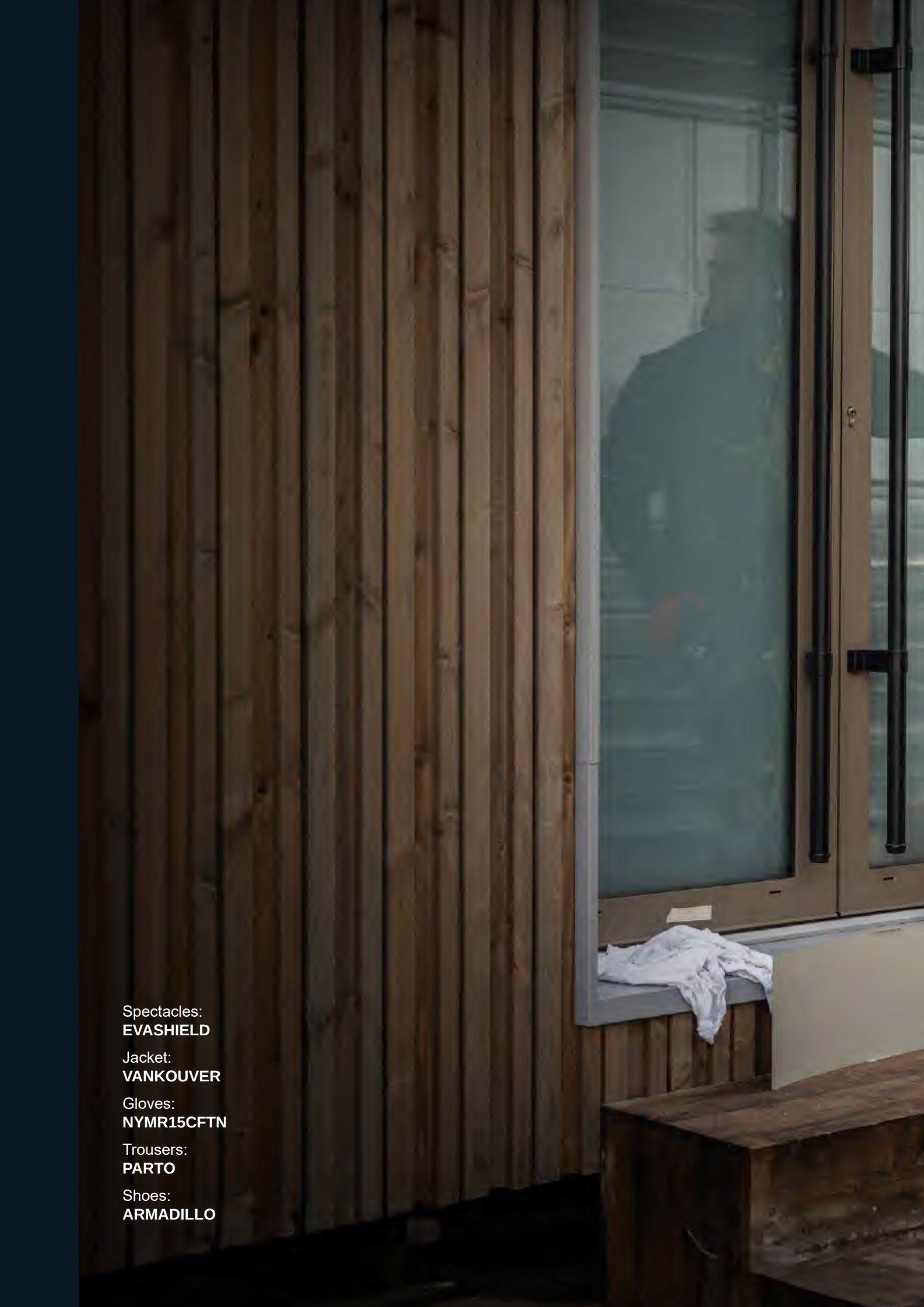
**ENHANCE THE EFFECTIVENESS OF YOUR OPERATIONS**



TECHNICAL DATA SHEETS, ON-LINE PRODUCT SEARCHES...

**EASILY ACCESS INFORMATION AT ANY TIME**



A person wearing a dark jacket is standing in a window, looking out at a wooden building. The window is framed in dark wood and has a black handle. A white cloth is draped over the windowsill. The building's exterior is made of vertical wooden planks. A wooden bench is visible in the foreground.

Spectacles:  
**EVASHIELD**

Jacket:  
**VANKOUVER**

Gloves:  
**NYMR15CFTN**

Trousers:  
**PARTO**

Shoes:  
**ARMADILLO**









Helmet:  
**HIMABLE**

Parka:  
**PREMIA**

Gloves:  
**PHD18NIB**

Trousers:  
**PETRAM**

Shoes:  
**BOLT**





Bodywarmer:  
**GASPARE**

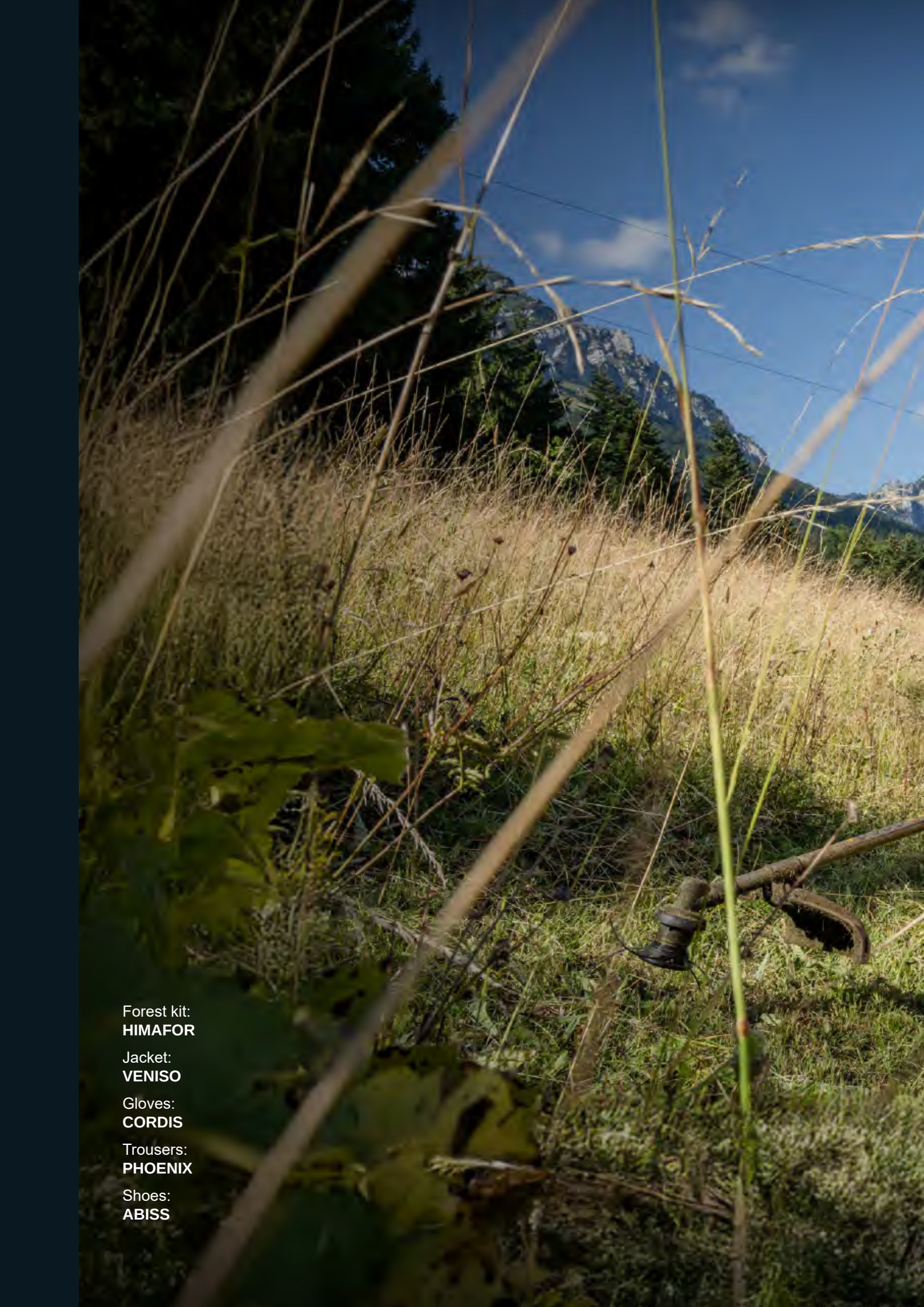
Tee shirt:  
**SHIRTGRIS**

Gloves:  
**CMC2D**

Trousers:  
**PETRO**

Shoes:  
**MONZA**





Forest kit:  
**HIMAFOR**

Jacket:  
**VENISO**

Gloves:  
**CORDIS**

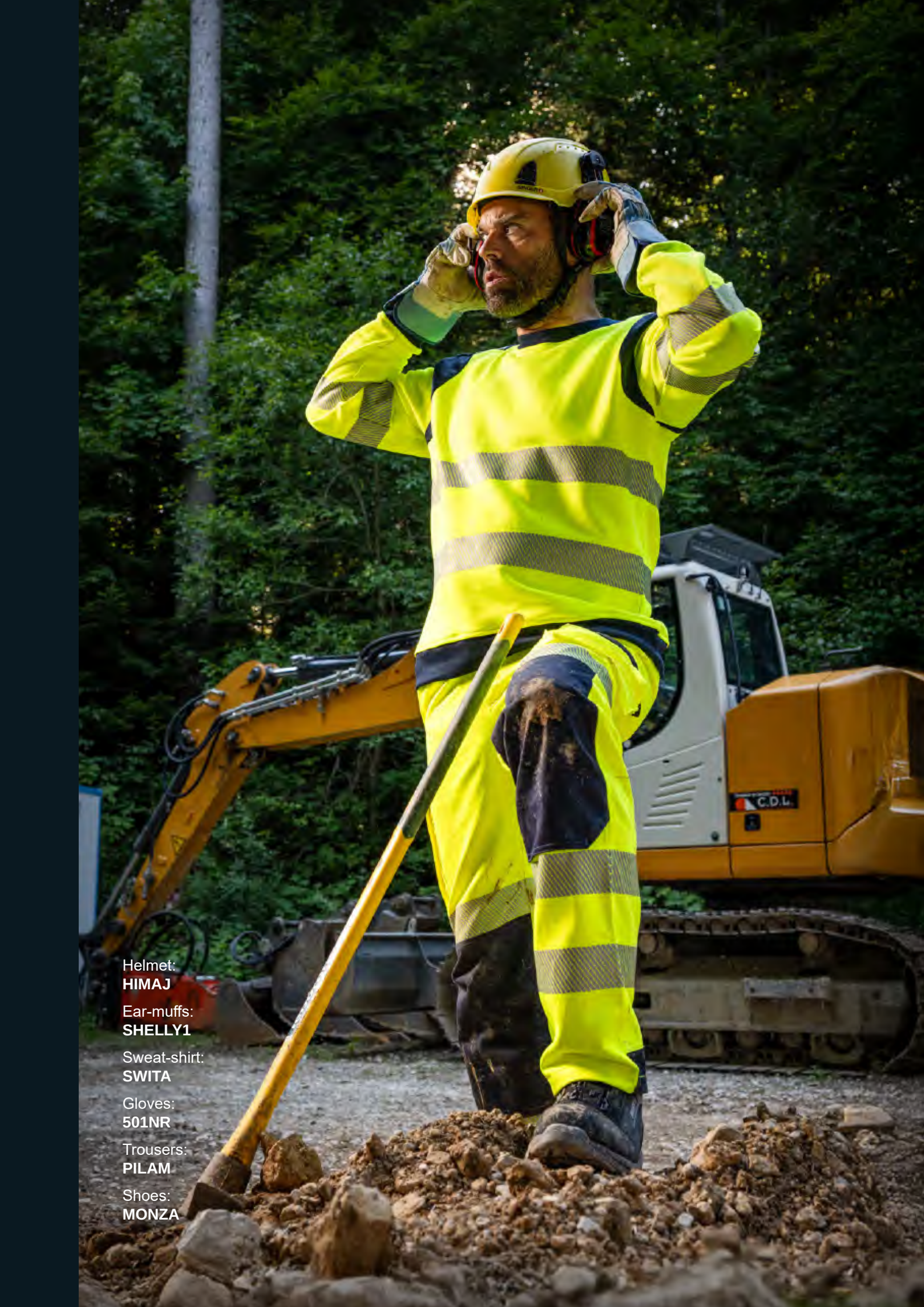
Trousers:  
**PHOENIX**

Shoes:  
**ABISS**









Helmet:  
**HIMAJ**

Ear-muffs:  
**SHELLY1**

Sweat-shirt:  
**SWITA**

Gloves:  
**501NR**

Trousers:  
**PILAM**

Shoes:  
**MONZA**





Helmet:  
**HIMA2W**

Visor:  
**VPHIMA**

Visor holder:  
**PVHIMA**

Jacket:  
**VADONG**

Gloves:  
**PHD335NIF**

Apron:  
**TABCUT**

Trousers:  
**PADONG**

Shoes:  
**MILAN**





Ear-muffs:  
**SHELLY100**

Bomber jacket:  
**BLUETON**

Tee shirt:  
**SHIRTBLEU**

Gloves:  
**PER200**

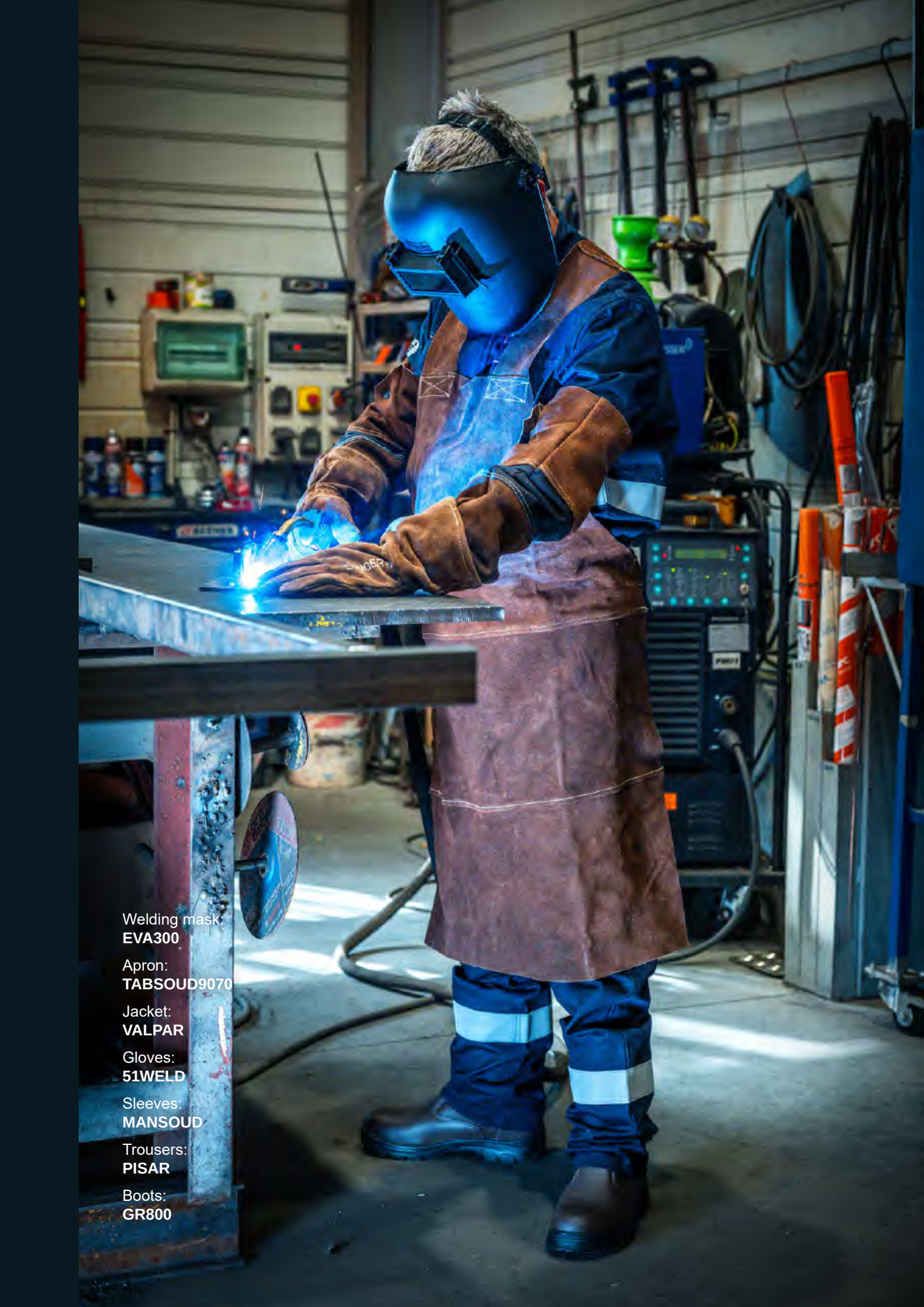
Trousers:  
**PHOENIX**

Shoes:  
**AVILA**









Welding mask:  
**EVA300**

Apron:  
**TABSOUND9070**

Jacket:  
**VALPAR**

Gloves:  
**51WELD**

Sleeves:  
**MANSOUD**

Trousers:  
**PISAR**

Boots:  
**GR800**





Cap:  
**ARNOLD**

Spectacles:  
**EVA08**

Ear-plugs:  
**HGB25C**

Jacket:  
**VALPAR**

Gloves:  
**PHD335PUR**

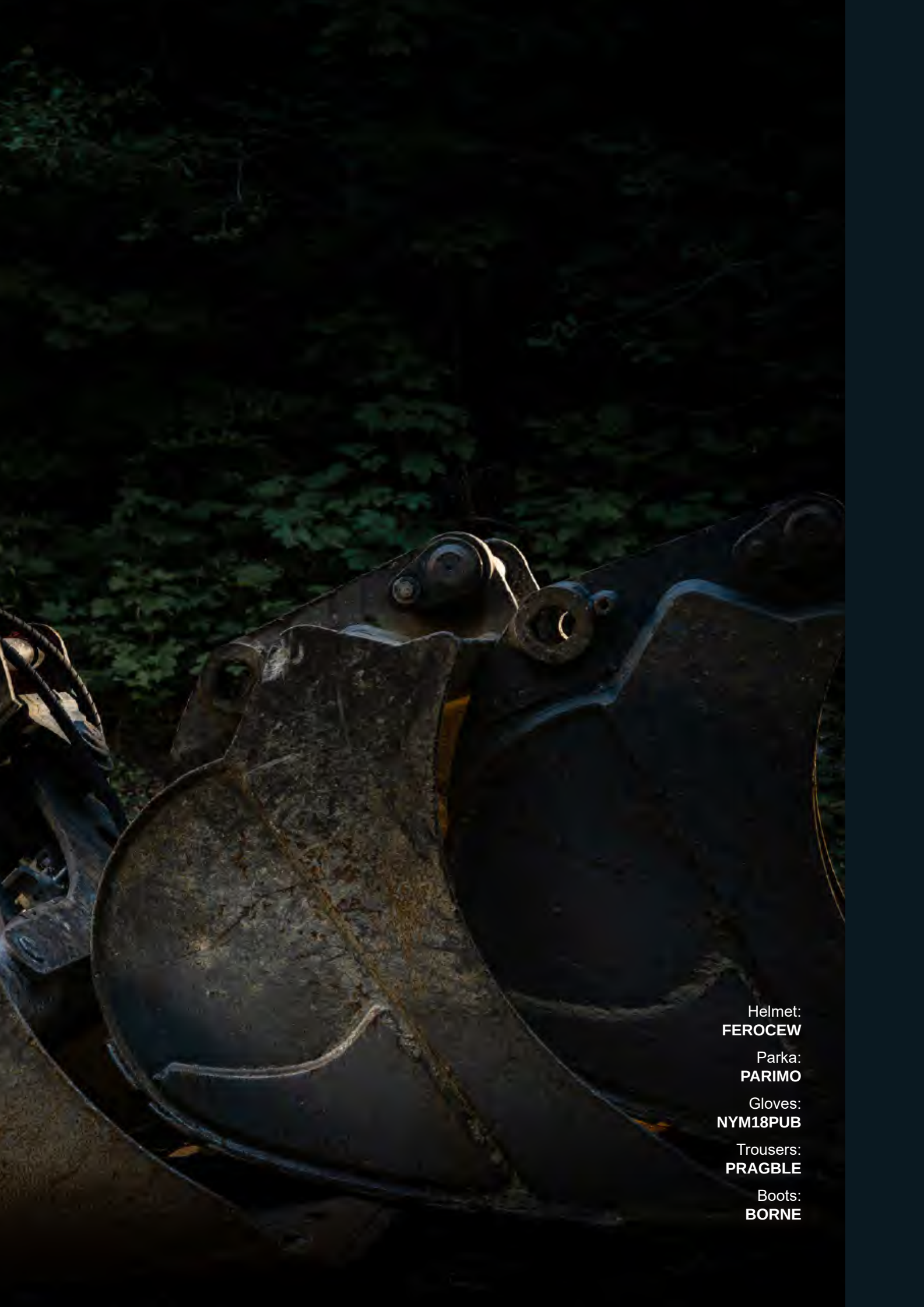
Trousers:  
**PISAR**

Shoes:  
**ETNA**









Helmet:  
**FEROCEW**

Parka:  
**PARIMO**

Gloves:  
**NYM18PUB**

Trousers:  
**PRAGBLE**

Boots:  
**BORNE**













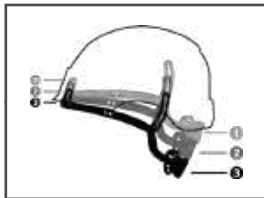
### SEVERAL MODELS AVAILABLE.

Ventilated or non-ventilated version.  
Different colors for each version.



### SOLIDITY AND RESISTANCE.

Polypropylen outer shell.  
Sport-inspired design.



### HELMET ADJUSTEMENT.

3 possible positions at the back.  
3 possible positions on the front.



### ADJUSTEMENT OF THE CHIN STRAP.

At the level of the buckle and separators.  
Confort foam on chin.

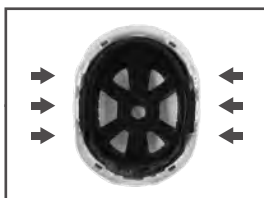


419G



### SHOCK ABSORPTION AND VENTILATION.

EPP inner shell.



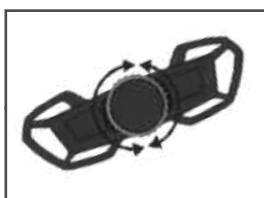
### RESISTANT TO LATERAL DEFORMATIONS.

Compliant to EN397 (LD).



### COMFORT AND ERGONOMICS.

Removable and washable foam  
(front, back and middle).



### HEAD CIRCUMFERENCE ADJUSTEMENT (53-63 CM).

Ratchet system ajustement.  
2 side positions.



VIDEO

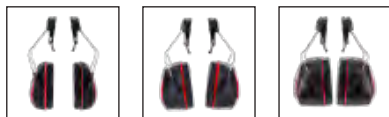






## SEVERAL ACCESSORIES

Side and front slits. + 4 hooks (ABS)



### EAR-MUFFS FOR HELMET

Version 25dB - [SHELLY1](#)

Version 28dB - [SHELLY2](#)

Version 32dB - [SHELLY3](#)

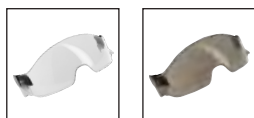


### PROTECTIVE VISORS

Visor holder - [PVHIMA](#)

Clear visor - [VPHIMA](#)

Mesh visor - [VGHIMA](#)



### PROTECTIVE GOGGLES

Clear version - [LUNHIMA](#)

Smoked version - [LUNHIMA525](#)



### REPLACEMENT CHIN STRAPS

Construction version - [JUGHIMA397](#)

Climbing version - [JUGHIMA124](#)



### IDENTIFICATION / VISIBILITY

Badge holder - [PBHIMA](#)

Stickers - [STICKHIMA](#)



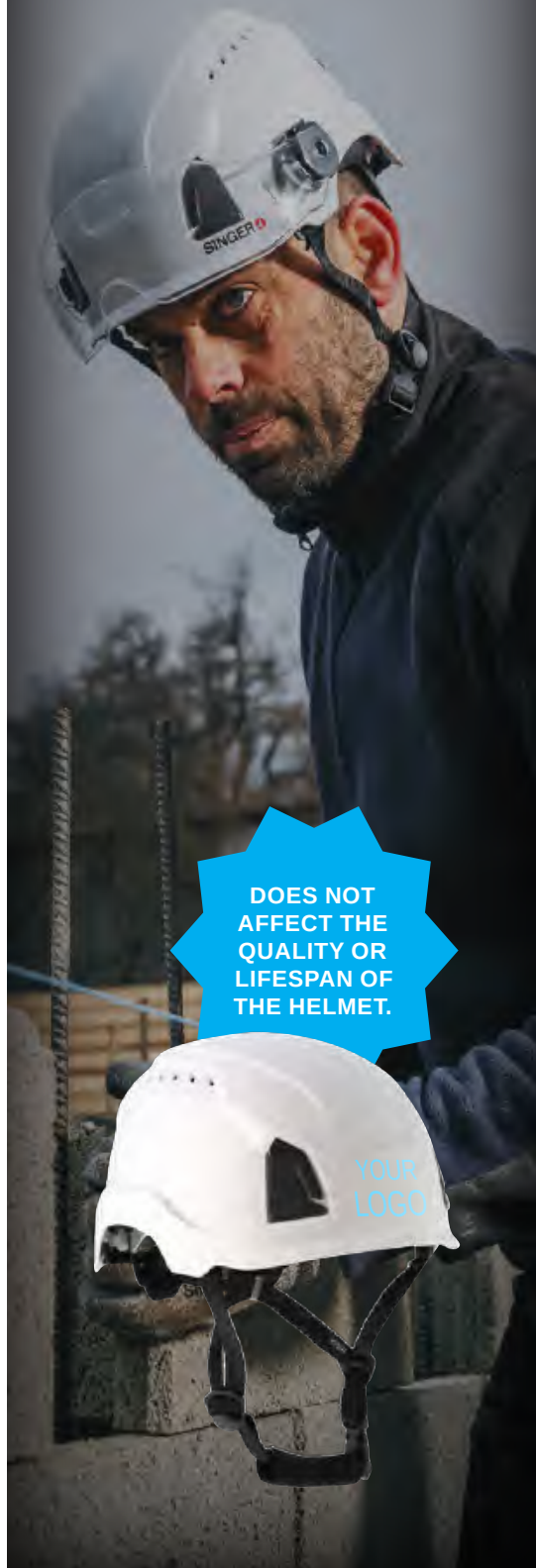
### ADDITIONAL ACCESSORIES

Replacement foam - [PADHIMA](#)

Carrying bag - [BAGHIMA](#)

## CUSTOMIZE YOUR HELMET WITH YOUR LOGO

CONTACT YOUR SALES REPRESENTATIVE  
FOR MORE INFORMATION !







[ MOUNTAINEERING/  
INDUSTRY HELMET ]

- HIMAW** Colour: white.  
**HIMAO** Colour: orange.  
**HIMAB** Colour: black.  
**HIMAJ** Colour: yellow.  
**HIMABLE** Colour: blue.



Ventilated protective helmet. Polypropylene shell. EPP inner shell. Harness with 4 fixing points. Head circumference adjustment (53 to 63 cm). Ratchet adjustment. Removable and washable foam. 4 fixing clip for accessories (ABS). Side and front slits for accessories. Delivered pre-assembled. Supplied with chinstraps: JUGHIMA397 (EN 397) and JUGHIMA124 (EN 12492) used for mountaineering.

EN 397 (LD), EN 12492



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[ TESTED AGAINST  
ELECTRIC ARC ]

- HIMA2W** Colour: white.  
**HIMA2O** Colour: orange.

Unventilated protective helmet.  
 Polypropylene shell. EPP inner shell. Harness with 4 fixing points.  
 Head circumference adjustment (53 to 63 cm). Ratchet adjustment.  
 Removable and washable foam. 4 fixing clip for accessories (ABS).  
 Side and front slits for accessories. Delivered pre-assembled.  
 Supplied with chinstrap: JUGHIMA397 (EN 397).

EN 397 (LD, tested at 440V), EN 50365 ⚡ (class 0)



**SINGER**





#### CONSTRUCTION CHIN STRAP

### JUGHIMA397

Chin strap for safety helmet. 4 fixing points. Polyester straps. Adjustable polyoxymethylene buckles. Adjustable separators. Comfortable textile chin guard. Compatible with HIMA / HIMA2.

EN 397 (JUGHIMA397 + HIMA/HIMA2)



**SINGER**



#### MOUNTAINEERING CHIN STRAP

### JUGHIMA124

Chin strap for safety helmet. 4 fixing points. Polyester straps. Adjustable polyoxymethylene buckles. Adjustable separators. Comfortable textile chin guard. Compatible with HIMA.

EN 12492 (JUGHIMA124 + HIMA)



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### STICKHIMA

Retro-reflective stickers for helmet. Sheet of 8 pre-cut stickers. Delivered without helmet.



 100x1

**SINGER** 



### PADHIMA

Spare comfort foam. Made with 3 parts: front, middle and back. Self-grip fixation. Compatible with HIMA and HIMA2.

 100x1

**SINGER** 



### PBHIMA

Semi-rigid plastic badge holder. Can be installed on the front or the back of the helmet. Compatible with HIMA / HIMA2.



 5x20

**SINGER** 



[ COMPATIBLE WITH  
MANY HELMETS ]

### BAGHIMA

Helmet carrying bag. Material: 100% polyester. Zip fastening. Buckle fastening. Screen-printed label (not removable).



 30x1

**SINGER** 





PVHIMA



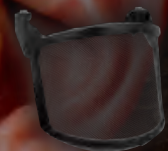
92

VPHIMA



92

VGHIMA



92

LUNHIMA



80

LUNHIMA525



80





ALPINW Colour: white.  
 ALPINJ Colour: yellow.  
 ALPINO Colour: orange.  
 ALPINBK Colour: black.  
 ALPINHV Colour: bright yellow.

Ventilated protective helmet.  
 Polycarbonate shell. Harness with 8 fixing points.  
 Head circumference adjustment (53 to 66 cm). Ratchet adjustment.  
 Front sweatband. 4 external accessories clips (ABS) on shell.  
 Delivered pre-assembled.  
 EN 397 (-30°C)

 4x5

 360 g

**SINGER** 



### ALPINW2

Unventilated protective helmet. Polycarbonate shell.  
 Harness with 8 fixing points. Head circumference adjustment (53 to 66 cm).  
 Ratchet adjustment. Front sweatband.  
 4 external accessories clips (ABS) on shell. Delivered pre-assembled.  
 EN 397 (-30°C)

 4x5

 360 g

**SINGER** 



### CAS7001

Ventilated protective helmet. ABS shell. Harness with 4 fixing points.  
 Head circumference adjustment (49 to 63 cm). Ratchet adjustment.  
 Front sweatband. Side slits for accessories. Delivered pre-assembled.  
 EN 397 (-30°C)

 x1

 340 g









[ SUPPLIED WITH  
BADGE HOLDER ]



**FEROCEW**  
**FEROCEB**  
**FEROCEJ**  
**FEROCEO**

Colour: white.

Colour: blue.

Colour: yellow.

Colour: orange.

Ventilated protective helmet. ABS shell. Harness with 8 fixing points.  
Head circumference adjustment (55 to 63 cm).  
Ratchet adjustment. Front sweatband. Side slits for accessories.  
Delivered pre-assembled.

EN 397 (T1 ; -30°C ; 150°C ; MM)



4x5



445 g

**SINGER**



[ TESTED AGAINST  
ELECTRIC ARC ]

[ SUPPLIED WITH  
BADGE HOLDER ]



**FEROCE2W**

Unventilated protective helmet. ABS shell. Harness with 8 fixing points.  
Head circumference adjustment (55 to 63 cm).  
Ratchet adjustment. Front sweatband. Side slits for accessories.  
Delivered pre-assembled. Colour: white.

EN 397 (T1 ; -30°C ; 150°C ; MM), EN 50365 ⚡ (class 0)



4x5



445 g



**SINGER**





## FEROJUG

Chin strap for construction helmet. 4 fixing points. Polyester straps.

Adjustables buckles. Adjustables separators.

Compatible with FEROCE / FEROCE2.

EN 397 (FEROJUG + FEROCE/FEROCE2)



SINGER





**FORCEW** Colour: white.

**FORCEB** Colour: blue.

**FORCEJ** Colour: yellow.

**FORCEO** Colour: orange.

Ventilated protective helmet. ABS shell. Harness with 8 fixing points. Head circumference adjustment (53 to 66 cm). Ratchet adjustment. Front sweatband. Side slits for accessories. Delivered pre-assembled.

EN 397 (-30°C)



**SINGER**



**[ TESTED AGAINST  
ELECTRIC ARC ]**

**FORCE2W** Colour: white.

**FORCE2B** Colour: blue.

**FORCE2O** Colour: orange.

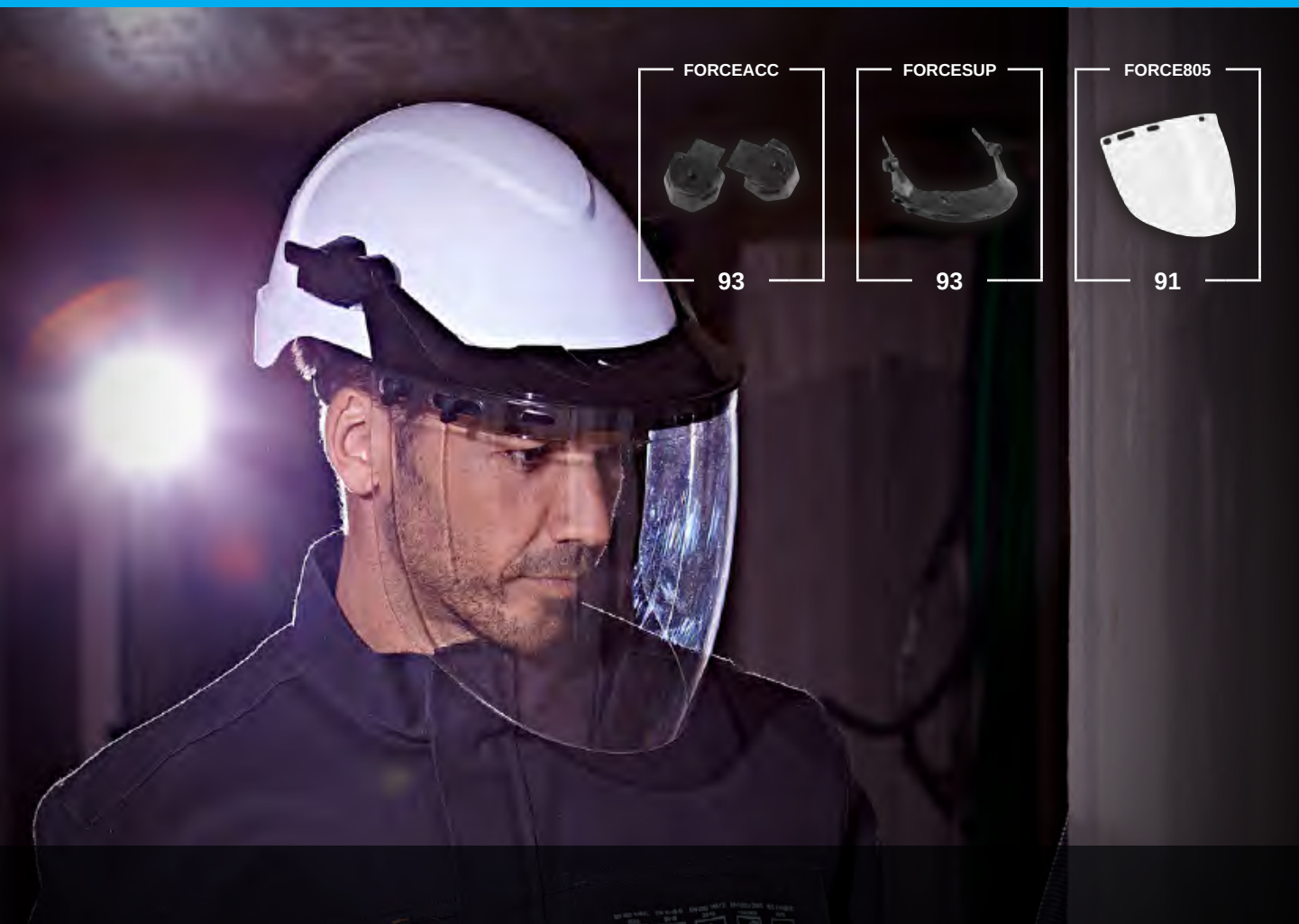
Unventilated protective helmet. ABS shell. Harness with 8 fixing points. Head circumference adjustment (53 to 66 cm). Ratchet adjustment. Front sweatband. Side slits for accessories. Delivered pre-assembled.

EN 397 (-30°C ; MM ; 440V), EN 50365 ⚡ (class 0)



**SINGER**





FORCEACC



93

FORCESUP



93

FORCE805



91

## ACCBFORCE

Front sweatband. Compatible with FORCE / FORCE2 / ALPIN / ALPIN2.

 10x10

SINGER 



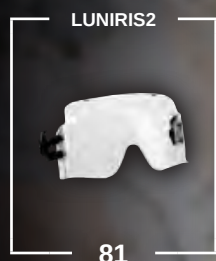
## FORCEJUG

Elasticated textile chin strap. Compatible with FORCE / FORCE2.

 10x10

SINGER 





- CASIRISBL2 Colour: white.  
 CASIRISROU2 Colour: red.  
 CASIRISOR2 Colour: orange.  
 CASIRISJAU2 Colour: yellow.  
 CASIRISVER2 Colour: green.  
 CASIRISBLE2 Colour: blue.

Ventilated protective helmet. ABS shell. Harness with 6 fixing points. Head circumference adjustment (49 to 63 cm). Ratchet adjustment. Side slits for accessories. Delivered pre-assembled. Supplied with LUNIRIS2.

EN 397 (LD, -30°C), EN 166, EN 170 [2-1,2 1 F C €]

20x1

420 g



TESTED AGAINST  
ELECTRIC ARC

- CAS5RSW Colour: white.  
 CAS5RSR Colour: red.  
 CAS5RSO Colour: orange.  
 CAS5RSY Colour: yellow.  
 CAS5RSV Colour: green.  
 CAS5RSB Colour: blue.

Unventilated protective helmet. Polyethylene shell. Harness with 6 fixing points. Head circumference adjustment (54 to 61 cm). Front sweatband. Side slits for accessories. Delivered dismantled.

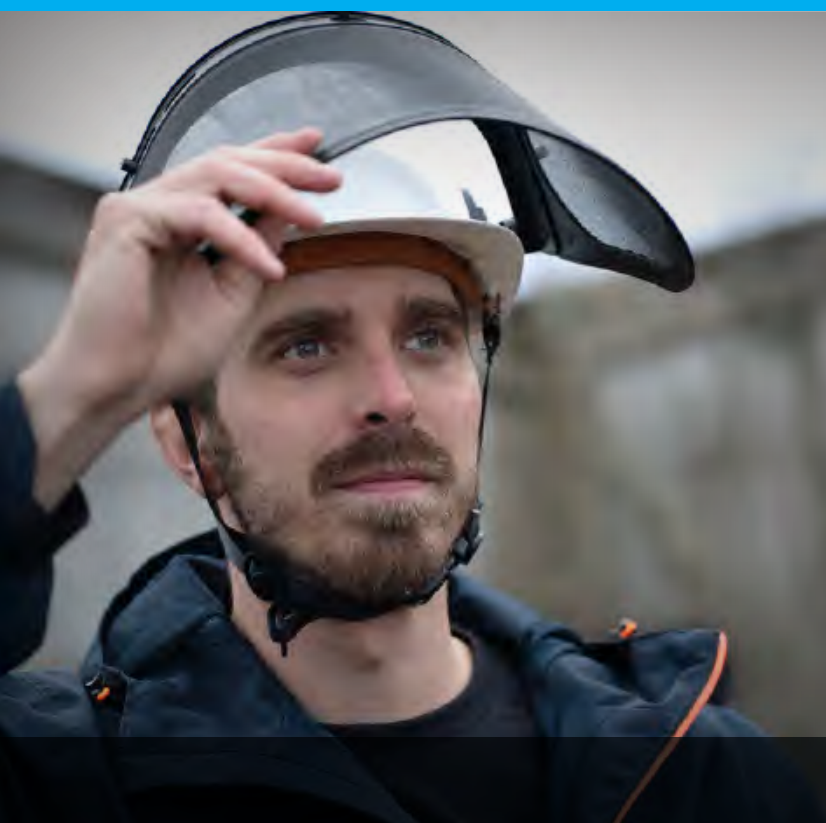
EN 397, EN 50365 ⚡ (class 0)

60x1

317 g







### ACC0360B

Chin strap for construction helmet. 4 fixing points. Polyester straps. Adjustable buckles. Adjustable separators. Compatible with CASIRIS2 / CAS7001.

EN 397 (ACC0360B + CASIRIS2/CAS7001)



25x10

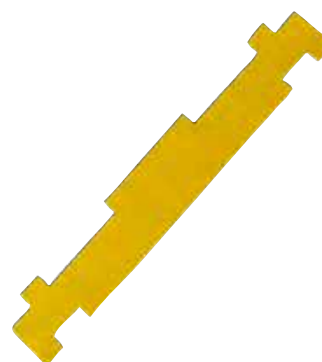


### ACCSANI32

Sweatband. Compatible with CASIRIS2 / CAS7001.



27x12



### CAS5JUG

Chin strap for construction helmet. 4 fixing points. Polyester straps. Adjustable buckles. Adjustable separators. Compatible with CAS5RS.

EN 397 (CAS5JUG + CAS5RS)



10x10





## HIMAFOR

Head protection kit. Includes:

HIMAO - polypropylene safety helmet + 2 chin straps.

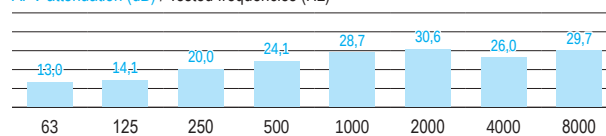
PVHIMA - helmet visor holder.

VGHIMA - mesh visor.

SHELLY2 - helmet hearing protection.

Delivered unassembled. Colour: orange and black.

APV attenuation (dB) / Tested frequencies (Hz)



EN 397 (LD), EN 12492, EN ISO 16321-3 (C 1-M),  
EN 352-3: SNR 28dB (H:28dB M:27dB L:21dB)



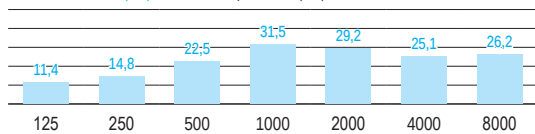




## FOREST1

Head protection kit. Includes: FORCEO helmet + FORCE107 ear-muffs + FORCESUP visor holder + stainless steel mesh visor.  
Delivered dismantled. Colour: orange and black.

APV attenuation (dB) / Tested frequencies (Hz)



EN 397, EN 1731, EN 352-3: SNR 26dB (H:28dB M:24dB L:17dB)

12x1

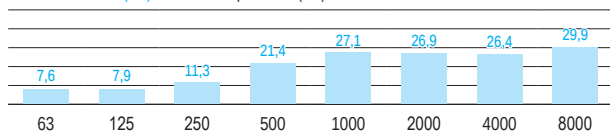
SINGER



## HGCF01

Head protection kit. Includes: HG9020 helmet + HG1670 ear-muffs + HG867 visor holder + HG825L stainless steel mesh visor.  
Delivered dismantled. Colour: orange and black.

APV attenuation (dB) / Tested frequencies (Hz)



EN 397, EN 1731, EN 352-3: SNR 24,5dB (H:27,4dB M:22,2dB L:14,0dB)

12x1

SINGER





### LP490

Headlamp with projection angle: LED: 1 x XP-L Cree LED .

Run time: 4h to 64h. Power: 30 to 490 lm.

Power source: 3 batteries «AA» (not included).

Dimensions: 73 x 54 x 40 mm (lamp).

4 working modes: HIGH / MEDIUM / LOW / 8 Hz FLASHING.

Red rear light: ON / FLASHING.

Beam distance: 34 to 147 m .

Resistance to water and dust (IP64).

Adjustable headband. Colour: black and red.



4x6



198 g (with batteries)



**SINGER**



### LP330FB

Headlamp with projection angle: LED/XENON.

Run time: 80h (LED) and 3h (XENON).

Power: 19 lm (XENON) / 47 lm (3 LED) / 17 lm (1 LED).

Power source: 3 batteries «AAA» (included).

Dimensions: 75 x 52 x 55 mm.

3 working modes: 1 LED / 3 LED / XENON. Weather resistant.

Adjustable headband. Colour: blue and black.



4x12

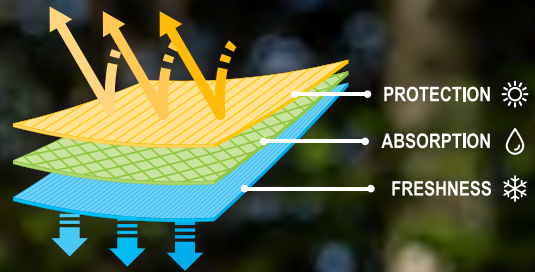


151 g (with batteries)

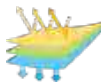


**SINGER**





UV PROTECTION  
MATERIAL CERTIFIED  
EN 13758-1 (UPF 40+)



## ONECK

Refreshing cap for industrial helmet. Material: 100% polyester, 360 gsm.  
Triple layer: absorbing intermediate layer. Adjustment with self-grip tapes.  
Delivered without helmet. Colour: orange and navy blue. Compatible with HIMA / HIMA2 / FORCE / FORCE2 / CASIRIS2 / CAS5RS / ALPIN / ALPIN2 / CAS7001 / HG913 / HG914.

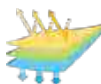


10x5

SINGER



UV PROTECTION  
MATERIAL CERTIFIED  
EN 13758-1 (UPF 40+)



## COOLNECK

Refreshing cap for industrial helmet. Material: 100% polyester, 500 gsm.  
Cap outline: mesh fabric with retro-reflective hem.  
Triple layer: absorbing intermediate layer. Adjustment on the helmet with drawcords and stoppers. Delivered without helmet. Colour: black, navy blue and yellow.  
Compatible with FEROCÉ / FEROCÉ2 / FORCE / FORCE2 / CAS5RS.



10x5

SINGER





### SMITH

Bump cap. Material: 55% cotton and 45% polyester.  
ABS inner shell. Front peak: suede leather, 7 cm.  
Press studs adjustment (Head circumference: 52 to 65 cm).  
Mesh back part. EVA comfort foam. Colour: brown and black.  
EN 812 (-20°C)



**SINGER**



### OLLIE

Bump cap. Material: 55% cotton and 45% polyester.  
ABS inner shell. Front peak: 7 cm. Press studs adjustment  
(Head circumference: 52 to 65 cm). Polyester back part (mesh).  
Polyester front part. EVA comfort foam. Colour: black.  
EN 812 (-20°C)



**SINGER**



**ARNOLD** Colour: navy blue.

**PHIL** Colour: white.

Bump cap. Material: 55% cotton and 45% polyester.  
ABS inner shell. Front peak: 3 cm.  
Press studs adjustment (Head circumference: 52-65 cm).  
Polyester back part (mesh). Polyester front part. EVA comfort foam.  
EN 812 (-20°C)



**SINGER**





**HG915B** Colour: navy blue.

**HG915N** Colour: black.

Bump cap. Material: 85% cotton and 15% polyester.

ABS inner shell. Front peak: 7 cm.

Self grip fastening at the back (Head circumference: 58 to 63 cm).

Side ventilation (mesh). Comfort foam.

EN 812



**SINGER**



**HG916B**

Bump cap. Material: 85% cotton and 15% polyester.

ABS inner shell. Front peak: 3 cm.

Self grip fastening at the back (Head circumference: 58 to 63 cm).

Side ventilation (mesh). Comfort foam. Colour: navy blue.

EN 812



**SINGER**





HG913B  Colour: navy blue. 100% cotton.

HG913N Colour: black. 100% cotton.

HG913OHV Colour: orange. 55% cotton / 45% polyester.

HG913HV Colour: yellow. 55% cotton / 45% polyester.

HG913W Colour: white. 100% cotton.

Bump cap. ABS inner shell. Front peak: 7 cm.

Self grip fastening at the back (Head circumference: 54 to 59 cm).

Side ventilation. Comfort foam.

EN 812



**SINGER** 



HG914B

Bump cap. Material: 100% cotton. ABS inner shell. Front peak: 3 cm.

Self grip fastening at the back (Head circumference: 54 to 59 cm).

Side ventilation. Comfort foam. Colour: navy blue.

EN 812

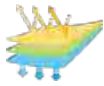


**SINGER** 





UV PROTECTION  
MATERIAL CERTIFIED  
EN 13758-1 (UPF 40+)



## CAPCOOL

Refreshing cap. Material: 100% polyester, 500 gsm.

Triple layer: absorbing intermediate layer. Front peak: 7 cm.

Buckle adjustment (Head circumference: 54 to 62 cm). Colour: blue.



5x10

SINGER



AGAINST  
COLD



## CAFPOLA

Cap. Material: 100% polyamide.

Lining: 100% polar fleece polyester, 260 gsm. Front peak: 7 cm.

Padding: 100% polyester. Adjustable chin strap.

Fold-down ear and neck protection. Colour: blue.



10x10

SINGER



## CAPMESH

Cap. Front peak: 7 cm.

Press studs adjustment (Head circumference: 58-62 cm).

Polyester back part (mesh). Cotton front part. Colour: black.



10x10

SINGER



## CAP

Cap. Material: 100% cotton. Front peak: 7 cm.

Buckle adjustment (Head circumference: 54 to 62 cm). Colour: black.



10x10

SINGER





**BONOI** Colour: black.

**BONTHN** Colour: black. Lining: Thinsulate®, 40 gsm.

**BONABL** Colour: blue.

**BONTHB** Colour: blue. Lining: Thinsulate®, 40 gsm.

Knitted beanie. Material: 100% acrylic (double layer).



10x10

**SINGER**



**PASMONABL**

Balaclava. Material: 100% acrylic (double layer). Front peak: 6 cm. Colour: navy blue.



10x10

**SINGER**



**SAGA**

Balaclava. Material: 46% Tencel™ Modal, 47% cotton, 7% elastane, 200 gsm. Colour: black and red.



50x1



**SINGER**



**SIRAC**

Neck cover. Material: 46% Tencel™ Modal, 47% cotton, 7% elastane, 200 gsm.

Length: 55 cm. Colour: black and red.



50x1



**SINGER**





## PACKHIV

Cold protection kit. This kit contains a pair of touchscreen gloves, a beanie and a neck cover.  
Material: 100% polyester, 200 gsm. Colour: black.



SINGER



## PYROCAG

Protective hood. Fire resistant fabric, flame retardant. Material: 98% cotton and 2% carbon, 350 gsm.  
Adjustment with hook-and-loop flap. Hook-and-loops straps on top of the hood. Colour: blue.



Class 1 A1+A2 Class A1+A2, B1, C1, E1



SINGER



## SOUDAC

Welding hood. Material: cow split leather, aramid yarn. Thickness: 1,4 mm ( $\pm 0,1$ ). Drawcords.  
Front opening with 3 press studs under leather flap. Colour: natural grey.



Class 1/2 A1



SINGER



## COTCAG

Hood. Non-washable, non-permanent flame retardant fabric.  
Material: 100% cotton, 300 gsm. Drawcords. Colour: natural.



SINGER





### AUUCRTBLAN

Non woven polypropylene hygiene cap with elastic.

Head circumference: up to 53 cm. Colour: white. Polybag of 100 pieces.



**SINGER**



### AUUCRTCLIP

Non woven polypropylene clip hygiene cap with elastic.

Head circumference: up to 50 cm. Colour: white. Polybag of 100 pieces.



**SINGER**





| STANDARDS        |                                                                       |
|------------------|-----------------------------------------------------------------------|
| EN 397           | Industrial safety helmet.                                             |
| EN 50365         | Electrically insulating helmets for use on low voltage installations. |
| EN 13087-1 to 10 | Protective helmets: test methods.                                     |
| EN 812           | Industrial bump caps.                                                 |
| EN 14052         | High performance industrial safety helmets.                           |
| EN 12492         | Mountaineers helmets.                                                 |

| EN 397 - INDUSTRIAL SAFETY HELMET                                                   |                                                                                               |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Obligatory requirements                                                             | Shock absorption / Penetration resistance<br>/ Flame-resistance / Chin-strap anchorage points |
| T1                                                                                  | Protection against impacts on the top<br>/ No chinstrap release below 150 N.                  |
| T2                                                                                  | Protection against impacts on the top and off the top<br>/ No chinstrap release below 500 N.  |
| -20°C / -30°C<br>/ -40°C                                                            | Very low temperature.                                                                         |
| 150°C                                                                               | Very high temperature.                                                                        |
| OCP                                                                                 | Off-top penetration.                                                                          |
| MM                                                                                  | Molten metal.                                                                                 |
|  | Improved visibility in daylight.                                                              |
|  | Improved visibility in low-light conditions.                                                  |
|  | Electrically insulating properties.                                                           |
|  | Electrostatic properties.                                                                     |

| EN 50365 - ELECTRICALLY INSULATING HELMETS                                          |                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | For staff working on or near energized parts facilities not exceeding 1000 V AC or 1500 V DC (Class 0). These equipments, combined with other protections, should avoid dangerous currents to cross through the head. |

| EN 812 - INDUSTRIAL BUMP CAPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| This standard specifies the physical and performance requirements, the testing methods and the marking requirements of the bump caps for industry. The bump caps for industry are intended to protect the wearer when he hits his head against hard and stationary objects with sufficient force to cause lacerations or other superficial injuries. They are not intended to protect from the effects of projections or the falling of suspended or moving objects or loads. One should not confuse the bump caps for industry with the protection helmets for industry specified in EN 397. |  |

| EN 12492 – MOUNTAINEERS HELMETS |                                                                                                                    |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Obligatory requirements         | Shock absorption / Penetration resistance<br>/ Ventilation / Resistance of the chinstrap (500 N)                   |
| Optional requirements           | Optional additional requirements are applicable only when specifically demanded by the manufacturer of the helmet. |





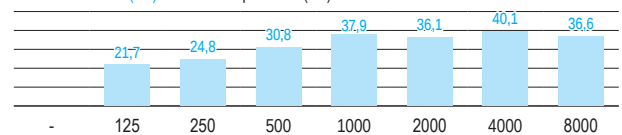




### SHELLY300

Ear-muffs. Adjustable cups (ABS). Headband with comfort foam. Comfortable cushions (PU). Colour: black and red.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-1 : SNR 36dB (H:38dB / M:34dB / L:28dB)



20x1



322 g



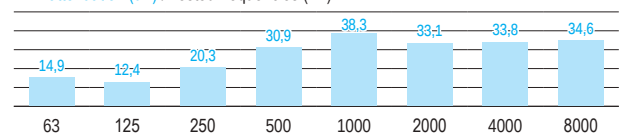
**SINGER**



### SHELLY200

Ear-muffs. Adjustable cups (ABS). Headband with comfort foam. Comfortable cushions (PU). Colour: black and red.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-1: SNR 31,9dB (H:34,8dB M:30,4dB L:21dB)



20x1



275 g



**SINGER**

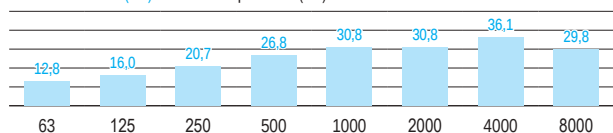




## SHELLY150P

Foldable ear-muffs. Adjustable cups (ABS). Headband with comfort foam. Comfortable cushions (PU). Colour: black and red.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-1: SNR 31dB (H:33dB M:29dB L:23dB)



313 g



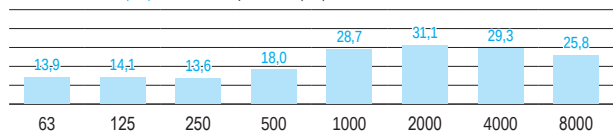
SINGER



## SHELLY100P

Foldable ear-muffs. Adjustable cups (ABS). Headband with comfort foam. Comfortable cushions (PU). Colour: black and red.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-1: SNR 26dB (H:30dB M:23dB L:17dB)



220 g



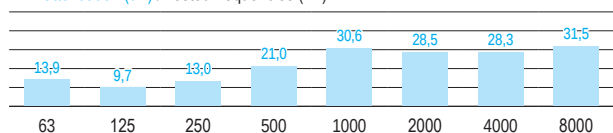
SINGER



## SHELLY100

Ear-muffs. Adjustable cups (ABS). Headband with comfort foam. Comfortable cushions (PU). Colour: black and red.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-1: SNR 25,8dB (H:30dB M:23,5dB L:16dB)



188 g



SINGER







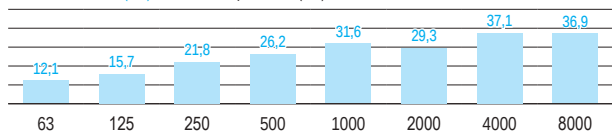


COMPATIBLE WITH  
MANY HELMETS

## SHELLY3

Ear-muffs for safety helmet. Adjustable cups (ABS). Cushions (PU).  
Colour: black and red. Compatible with HIMA / HIMA2 / CASIRIS2 / CAS7001 /  
ALPIN / ALPIN2 / FEROCÉ / FEROCÉ2.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-3: SNR 32dB (H:32dB M:30dB L:24dB)



SINGER

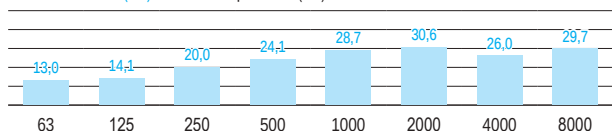


COMPATIBLE WITH  
MANY HELMETS

## SHELLY2

Ear-muffs for safety helmet. Adjustable cups (ABS). Cushions (PU).  
Colour: black and red. Compatible with HIMA / HIMA2 / CASIRIS2 / CAS7001 /  
ALPIN / ALPIN2 / FEROCÉ / FEROCÉ2.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-3: SNR 28dB (H:28dB M:27dB L:21dB)



SINGER

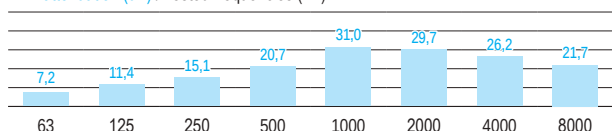


COMPATIBLE WITH  
MANY HELMETS

## SHELLY1

Ear-muffs for safety helmet. Adjustable cups (ABS). Cushions (PU).  
Colour: black and red. Compatible with HIMA / HIMA2 / CASIRIS2 / CAS7001 /  
ALPIN / ALPIN2 / FEROCÉ / FEROCÉ2.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-3: SNR 25dB (H:27dB M:24dB L:17dB)



SINGER





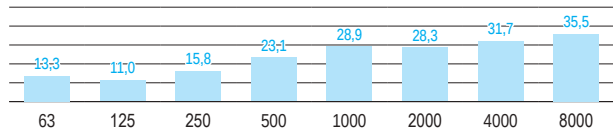




### HG106J

Ear-muffs. Adjustable cups (ABS). Headband with comfort foam.  
Cushions (PU). Colour: red and black.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-1: SNR 27,2dB (H:30,5dB M:25,1dB L:17,5dB)



6x10



164 g



**SINGER**

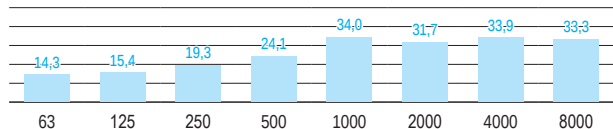


**[ FOLDABLE  
PRODUCT ]**

### CASBRUITPC

Foldable ear-muffs.  
Adjustable cups (ABS). Cushions (PU). Colour: red and black.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-1: SNR 30,4dB (H:33,4dB M:28,1dB L:21,7dB)



6x10



257 g

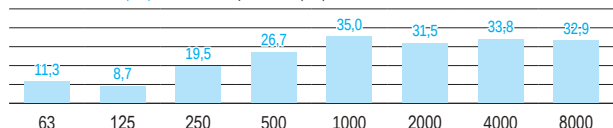
**SINGER**



### CASBRUI

Ear-muffs. Adjustable cups (ABS). Cushions (PU). Colour: red and black.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-1: SNR 29,2dB (H:33,2dB M:27,6dB L:17,4dB)



6x10



145 g



**SINGER**





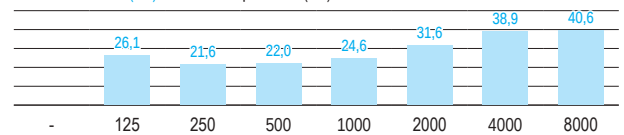
### 15BA29

Ear-band (reusable) + ear-plugs (single use).

Wearing mode: under the chin. Material: polypropylene (ear-band) and PU (ear-plugs). Ear-plugs diameter: 12-17 mm.

Ear-band dimension: 140 x 154.5 mm. Colour: blue and yellow.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-2: SNR 29dB (H:32dB M:26dB L:24dB)



10x15



**SINGER**



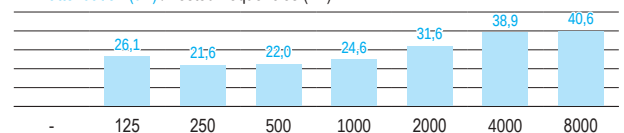
### 200BA29R

Replacement ear-plugs (single use) for ear-band BA29.

Polybag of 200 pairs. Material: PU.

Ear-plugs diameter: 12-17 mm. Colour: yellow.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-2: SNR 29dB (H:32dB M:26dB L:24dB)

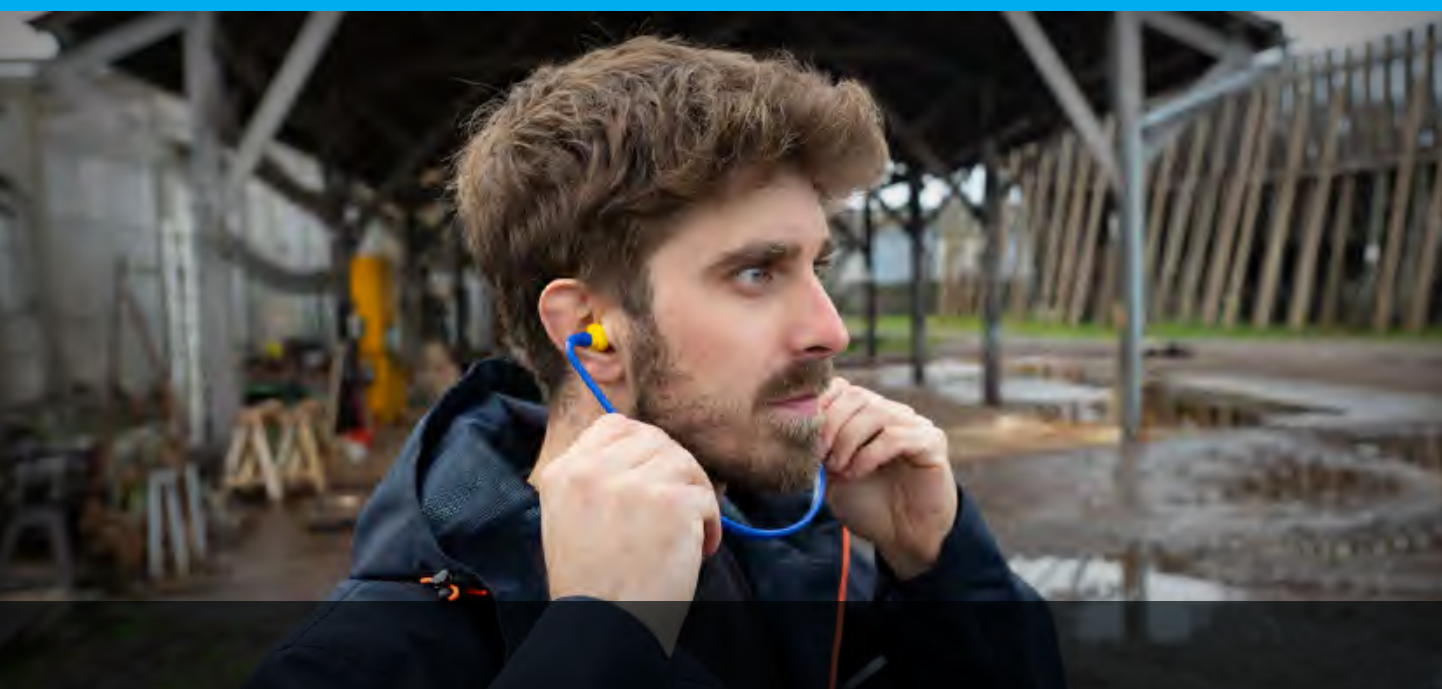


12x1

**SINGER**







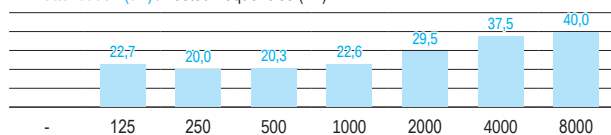
## 15BA27

Ear-band (reusable) + ear-plugs (single use).

Wearing mode: under the chin. Material: polypropylene (ear-band) and PU (ear-plugs). Ear-plugs diameter: 11-18 mm.

Ear-band dimension: 140 x 157 mm. Colour: blue and yellow.

APV attenuation (dB) / Tested frequencies (Hz)



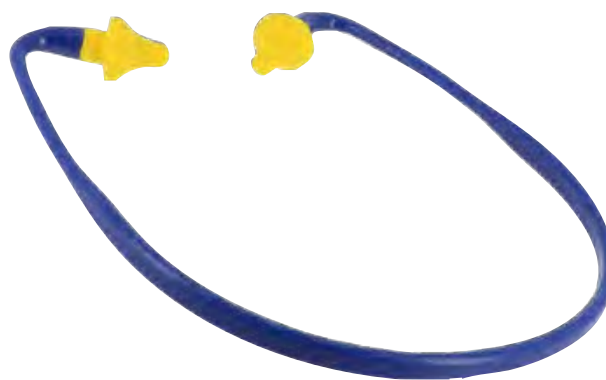
EN 352-2: SNR 27dB (H:30dB M:24dB L:22dB)



10x15



**SINGER**



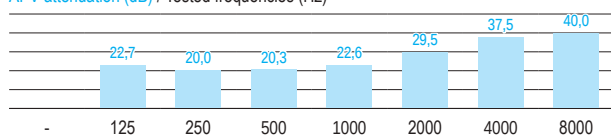
## 200BA27R

Replacement ear-plugs (single use) for ear-band BA27.

Polybag of 200 pairs. Material: PU.

Ear-plugs diameter: 11-18 mm. Colour: yellow.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-2: SNR 27dB (H:30dB M:24dB L:22dB)



12x1

**SINGER**



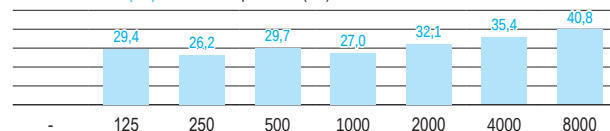


DETECTABLE  
CORD AND  
EAR-PLUGS

### 200B32DC

Ear-plugs, with cord (reusable). Dispenser box of 200 pairs. Individually hygienically packed. Material: TPE + steel ball (ear-plugs) and PVC + bronze filament (cord). Ear-plugs diameter: 8-12 mm. 4 rings. Conical shape. Colour: blue.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-2: SNR 32dB (H:33dB M:29dB L:28dB)



10x1

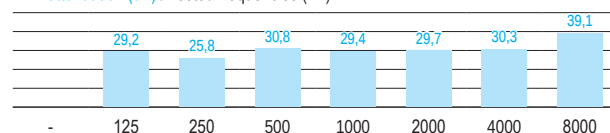
SINGER



### HGB25C200

Ear-plugs, with cord (reusable). Dispenser box of 200 pairs. Individually hygienically packed. Material: TPE (ear-plugs) and polyamide (cord). Ear-plugs diameter: 8-12 mm. 3 rings. Conical shape. Colour: orange.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-2: SNR 32dB (H:31dB M:30dB L:29dB)



10x1

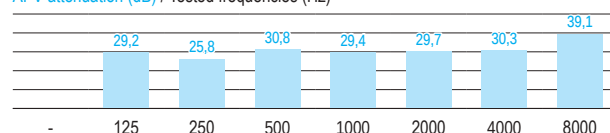
SINGER



### HGB25C50

Ear-plugs, with cord (reusable) + storage case. Dispenser box of 50 cases. Material: TPE (ear-plugs) and polyamide (cord). Ear-plugs diameter: 8-12 mm. 3 rings. Conical shape. Colour: orange.

APV attenuation (dB) / Tested frequencies (Hz)



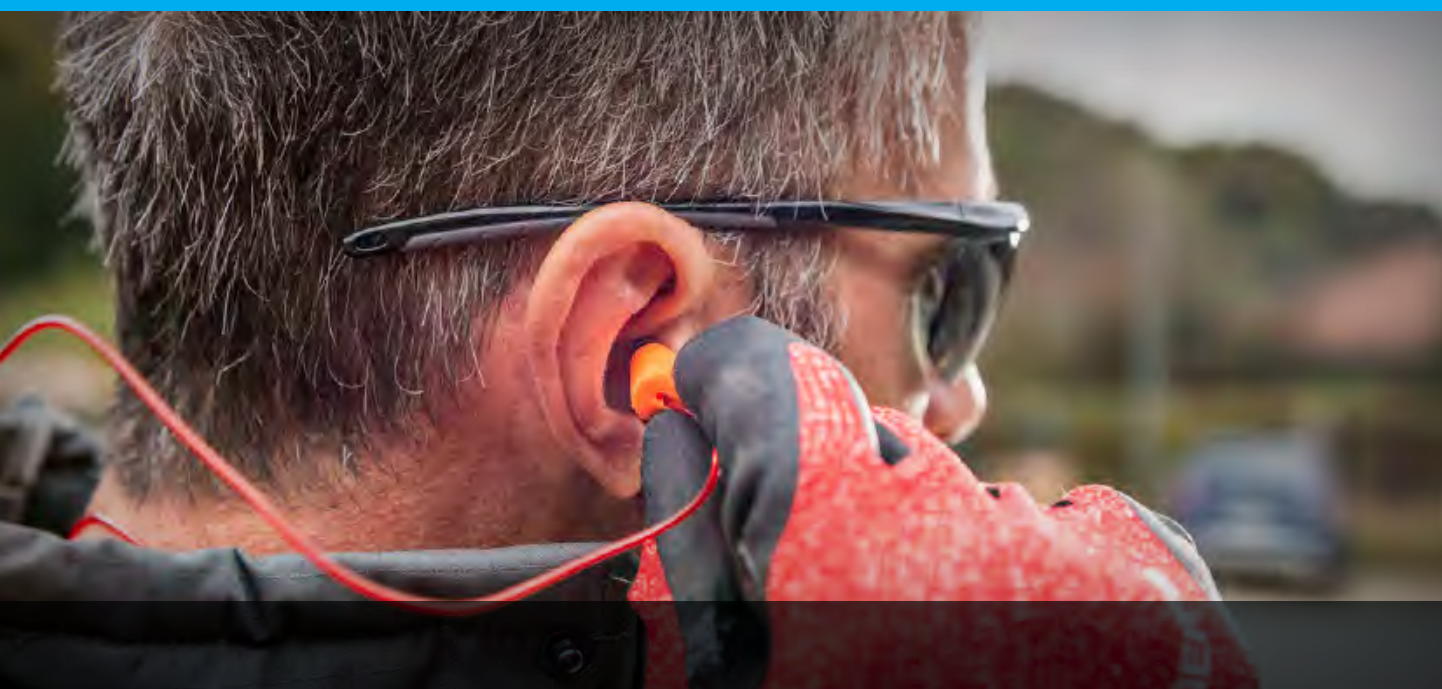
EN 352-2: SNR 32dB (H:31dB M:30dB L:29dB)



10x1

SINGER





DETECTABLE  
EAR-PLUGS

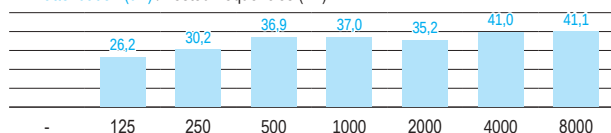
## 200B38DC

Ear-plugs with cord (single use). Dispenser box of 200 pairs.  
Individually hygienically packed.

Material: PU + steel ball (ear-plugs) and PVC (cord).

Ear-plugs diameter: 5-11 mm. Colour: blue.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-2: SNR 38dB (H:37dB M:36dB L:32dB)

10x1

SINGER



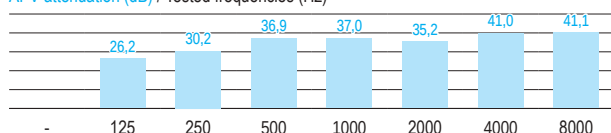
## 200B38C

Ear-plugs with cord (single use). Dispenser box of 200 pairs.

Individually hygienically packed. Material: PU (ear-plugs) and PVC (cord).

Ear-plugs diameter: 5-11 mm. Colour: orange.

APV attenuation (dB) / Tested frequencies (Hz)

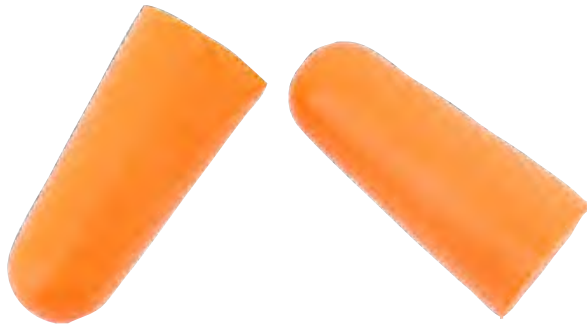


EN 352-2: SNR 38dB (H:37dB M:36dB L:32dB)

10x1

SINGER





**200B38** Dispenser box of 200 pairs.

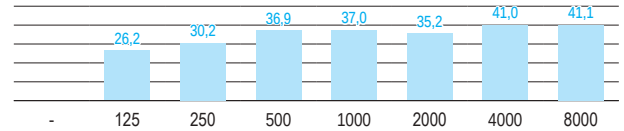
**500B38** Bundle of 500 pairs.

**10B38** Blister of 10 pairs.

Ear-plugs (single use). Individually hygienically packed (200B38).

Material: PU. Ear-plugs diameter: 5-11 mm. Colour: orange.

APV attenuation (dB) / Tested frequencies (Hz)



EN 352-2: SNR 38dB (H:37dB M:36dB L:32dB)



200B38: 10x1  
500B38: 5x1  
10B38: 8x10

**SINGER**



**DISTB**

Earplug dispenser. Material: polycarbonate / PVC / polyethylene / ABS.

Dimensions: 46 x 20 x 18 cm. Can hold up to 500 pairs of earplugs.

Delivered without earplugs. Colour: black.



4x1

**SINGER**



**BTB02**

Ear-plug case. Material: 100% polypropylene. Belt attachment clip.

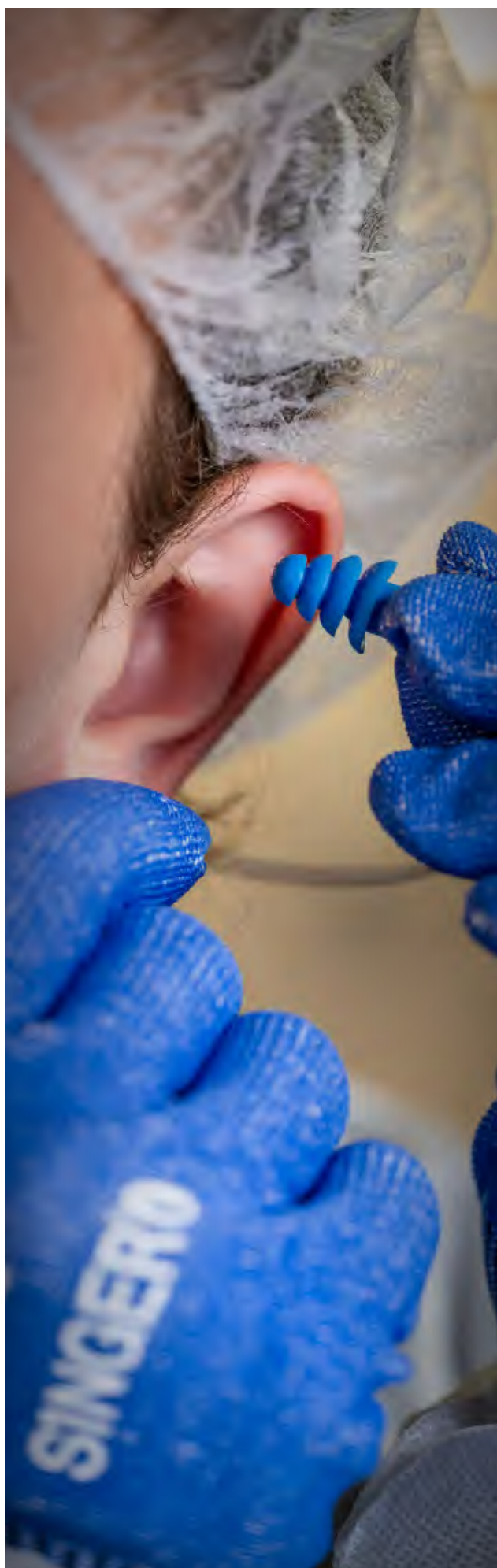
Delivered without ear-plugs Colour: blue.



10x100

**SINGER**





## STANDARDS

|          |                                                                       |
|----------|-----------------------------------------------------------------------|
| EN 352-1 | Hearing protectors.<br>Part 1: Ear-muffs.                             |
| EN 352-2 | Hearing protectors.<br>Part 2: Ear-plugs.                             |
| EN 352-3 | Hearing protectors.<br>Part 3: Ears-muffs mounted on helmet (EN 397). |

### EN 352-1 - EARS-MUFFS

This standard specifies the requirements in field of construction, conception, performance and printing of ears-muffs as well as information for end-user. It stipulates particularly the acoustic fading of ears-muffs in conformity with the EN 24869-1. This standard does not apply to ear-muffs to be mounted on safety helmets or integrated to helmets.

### EN 352-2 - EARS-PLUGS

This standard specifies the requirements in field of construction, conception, performance and printing of ears-plugs as well as information for end-user. It stipulates particularly the acoustic fading of ears-plugs in conformity with EN 24869-1 standard.

### EN 352-3 - EARS-MUFFS MOUNTED ON HELMET

This standard specifies the requirements for the construction, conception, performance and printing of ears-muffs mounted on safety industrial helmets in conformity with EN 397 standard as well as information for end-user. It stipulates particularly the acoustic fading of ears-muffs mounted on industrial helmets in conformity with EN 24869-1. As a same ear-muff can be mounted on different models or sizes of industrial safety helmets, the current part of standard specifies many physics and acoustic requirement depending the models or the helmet size ear-muffs are mounted on. Requirements apply totally to the basic combination, that is to say helmet and ear-muffs mounted on one model or on one of the specified size of helmets. Requirements apply partially only to the additional combination, that is to say ear-muffs of the same model but attached on other helmets or sizes than the specified ones.

### DAILY MAXIMUM EXPOSURE TIME

|       |                          |
|-------|--------------------------|
| 80 dB | 8 hours                  |
| 83 dB | 4 hours                  |
| 86 dB | 2 hours                  |
| 89 dB | 1 hour                   |
| 92 dB | 30 minutes               |
| 95 dB | 15 minutes               |
| 98 dB | 7 minutes and 30 seconds |











**SINGER®**  
safety



| REFERENCE                                                                     | EVAMOISS | EVAMOUSA | EVALASTE | EVAFOM | EVAFOMA | EVASHIELD | EVALIGHT | EVALIGHTA | EVARUN |
|-------------------------------------------------------------------------------|----------|----------|----------|--------|---------|-----------|----------|-----------|--------|
| AREA OF USE<br><small>READ CAREFULLY THE INSTRUCTIONS BEFORE ANY USE.</small> |          |          |          |        |         |           |          |           |        |
| AVERAGE WEIGHT                                                                | 46 g.    | 46 g.    | 50 g.    | 35 g.  | 35 g.   | 24 g.     | 16 g.    | 16 g.     | 27 g.  |
| OPTIMAL LIGHTNESS<br><small>WEIGHT &lt; 30 GRAMS</small>                      |          |          |          |        |         |           |          |           |        |
| WIDE VISION FIELD                                                             |          |          |          |        |         |           |          |           |        |
| OVERSPECTACLES<br><small>CAN BE WORN OVER PRESCRIPTION GLASSES</small>        |          |          |          |        |         |           |          |           |        |
| ANTI-SCRATCH TREATMENT<br><small>K = CERTIFIED ACCORDING TO EN 166</small>    |          |          |          |        |         |           |          |           |        |
| ANTIFOG TREATMENT<br><small>N = CERTIFIED ACCORDING TO EN 166</small>         |          |          |          |        |         |           |          |           |        |
| ADJUSTABLE TEMPLES                                                            |          |          |          |        |         |           |          |           |        |
| COMPATIBLE WITH CORD                                                          |          |          |          |        |         |           |          |           |        |
| METAL FREE                                                                    |          |          |          |        |         |           |          |           |        |



The reference  
exists with  
headcard (optional).  
C + Reference



The reference  
can be hanging  
in your shop (included).



INSIDE



HIGH BRIGHTNESS  
P = POLARIZED LENS



VARIABLE BRIGHTNESS





| EVARUNA | EVATREND | EVALOR | EVALORA | EVA POLAR | EVASHARKGCA | EVASHARKUJA | EVASHARKMISA | EVASHARKBBA | EVAORAN | EVARED | EVAREDA | EVALIT | EVA08 |
|---------|----------|--------|---------|-----------|-------------|-------------|--------------|-------------|---------|--------|---------|--------|-------|
|         |          |        |         |           |             |             |              |             |         |        |         |        |       |
| 27 g.   | 24 g.    | 21 g.  | 21 g.   | 21 g.     | 31 g.       | 31 g.       | 31 g.        | 31 g.       | 24 g.   | 24 g.  | 24 g.   | 23 g.  | 31 g. |
|         |          |        |         |           |             |             |              |             |         |        |         |        |       |
|         |          |        |         |           |             |             |              |             |         |        |         |        |       |
|         |          |        |         |           |             |             |              |             |         |        |         |        |       |
|         |          |        |         |           |             |             |              |             |         |        |         |        |       |
|         |          |        |         |           |             |             |              |             |         |        |         |        |       |
|         |          |        |         |           |             |             |              |             |         |        |         |        |       |
|         |          |        |         |           |             |             |              |             |         |        |         |        |       |
|         |          |        |         |           |             |             |              |             |         |        |         |        |       |



AGAINST THE WIND



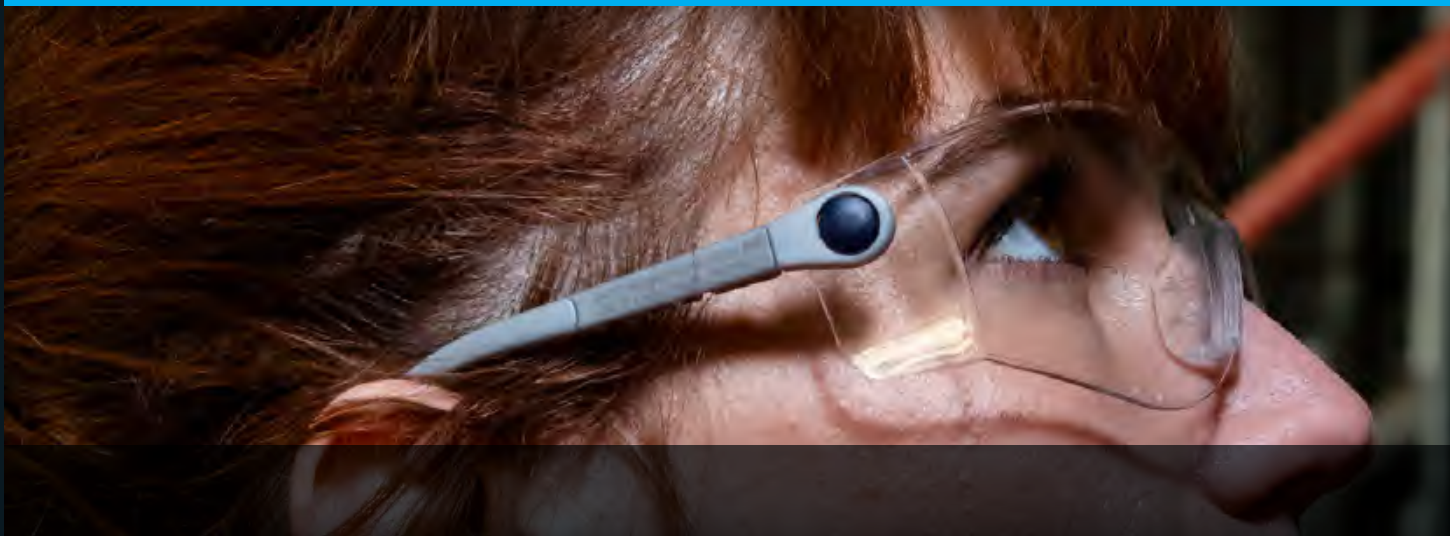
LIQUID SPLASH



CHEMICAL PROTECTION



WELDER PROTECTION



**SINGER®**  
safety



| REFERENCE                                                                     | EVA07 | EVASAND | EVA86AB | EVASUR | EVAMED | EVASUN | EVALANKA | EVASPORTBN | EVASTAR |
|-------------------------------------------------------------------------------|-------|---------|---------|--------|--------|--------|----------|------------|---------|
| AREA OF USE<br><small>READ CAREFULLY THE INSTRUCTIONS BEFORE ANY USE.</small> |       |         |         |        |        |        |          |            |         |
| AVERAGE WEIGHT                                                                | 34 g. | 29 g.   | 27 g.   | 27 g.  | 24 g.  | 24 g.  | 34 g.    | 34 g.      | 44 g.   |
| OPTIMAL LIGHTNESS<br><small>WEIGHT &lt; 30 GRAMS</small>                      |       |         |         |        |        |        |          |            |         |
| WIDE VISION FIELD                                                             |       |         |         |        |        |        |          |            |         |
| OVERSPECTACLES<br><small>CAN BE WORN OVER PRESCRIPTION GLASSES</small>        |       |         |         |        |        |        |          |            |         |
| ANTI-SCRATCH TREATMENT<br><small>K = CERTIFIED ACCORDING TO EN 166</small>    |       |         |         |        |        |        |          |            |         |
| ANTIFOG TREATMENT<br><small>N = CERTIFIED ACCORDING TO EN 166</small>         |       |         |         |        |        |        |          |            |         |
| ADJUSTABLE TEMPLES                                                            |       |         |         |        |        |        |          |            |         |
| COMPATIBLE WITH CORD                                                          |       |         |         |        |        |        |          |            |         |
| METAL FREE                                                                    |       |         |         |        |        |        |          |            |         |



The reference exists with headcard (optional).  
C + Reference



The reference can be hanging in your shop (included).



INSIDE



HIGH BRIGHTNESS  
P = POLARIZED LENS



VARIABLE BRIGHTNESS





| EVALAB | EVASAFE | EVAGUARD | EVACANA | EVA03 | EVAFLEX | EVAPRO | EVARIO | EVAMAS | EVASOUD | EVASPORTN5 | EVASPORTN3 | EVASTARN5 | LUN225 |
|--------|---------|----------|---------|-------|---------|--------|--------|--------|---------|------------|------------|-----------|--------|
|        |         |          |         |       |         |        |        |        |         |            |            |           |        |
| 27 g.  | 143 g.  | 110 g.   | 83 g.   | 90 g. | 125 g.  | 120 g. | 76 g.  | 81 g.  | 41 g.   | 34 g.      | 34 g.      | 44 g.     | 140 g. |
|        |         |          |         |       |         |        |        |        |         |            |            |           |        |
|        |         |          |         |       |         |        |        |        |         |            |            |           |        |
|        |         |          |         |       |         |        |        |        |         |            |            |           |        |
|        |         |          |         |       |         |        |        |        |         |            |            |           |        |
|        |         |          |         |       |         |        |        |        |         |            |            |           |        |
|        |         |          |         |       |         |        |        |        |         |            |            |           |        |
|        |         |          |         |       |         |        |        |        |         |            |            |           |        |
|        |         |          |         |       |         |        |        |        |         |            |            |           |        |



AGAINST THE WIND



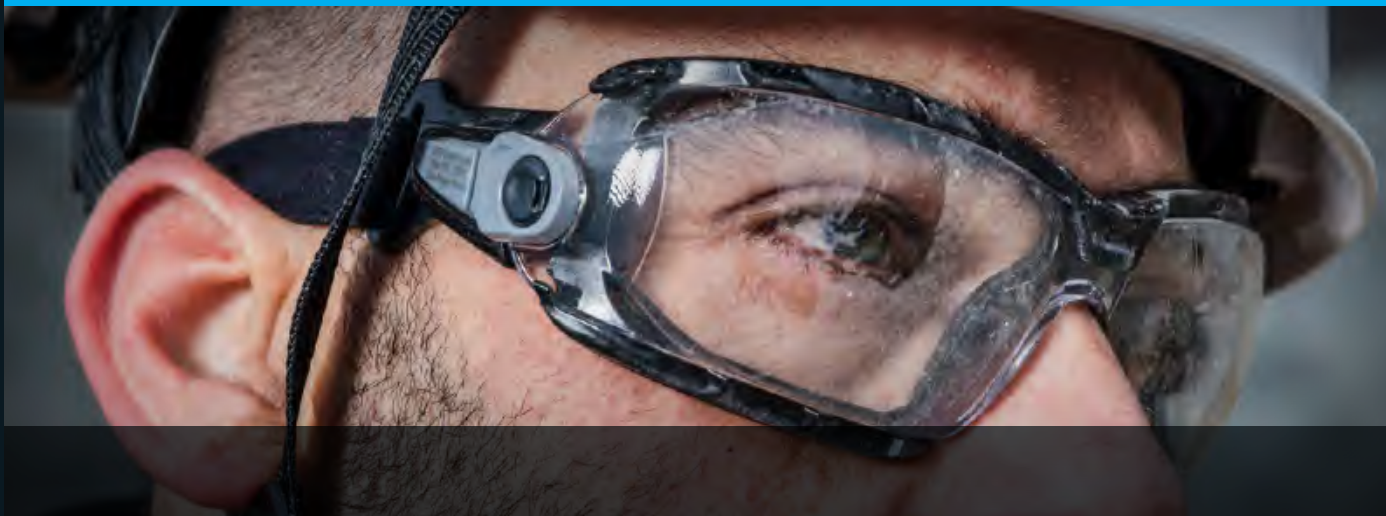
LIQUID SPLASH



CHEMICAL PROTECTION



WELDER PROTECTION



### EVAMOUSS

Safety spectacles. Lens: 100% clear polycarbonate, one-piece.

Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.

Frame: 100% polycarbonate. Stainless steel screws.

Removable comfort foam (EVA).

Temples: 100% polycarbonate, adjustable, pivoting. Colour: black and grey.

EN 166, EN 170 [ 2C-1,2 SINGER 1 FT C € ]



10x10



46 g



**SINGER**



### EVAMOUSSA

Safety spectacles. Lens: 100% polycarbonate, tinted (smoke), one-piece.

Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.

Frame: 100% polycarbonate. Stainless steel screws.

Removable comfort foam (EVA).

Temples: 100% polycarbonate, adjustable, pivoting. Colour: black and grey.

EN 166, EN 172 [ 5-3,1 SINGER 1 FT C € ]



10x10



46 g



**SINGER**



### EVALASTE

Safety spectacles. Lens: 100% clear polycarbonate, one-piece.

Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.

Frame: 100% polycarbonate. Stainless steel screws.

Removable comfort foam (EVA).

Elastic band: 60% polyester and 40% rubber, adjustable. Colour: black and grey.

EN 166, EN 170 [ 2C-1,2 SINGER 1 FT C € ]



10x10



50 g



**SINGER**





### EVAFOM

Safety spectacles. Lens: 100% clear polycarbonate.  
 Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.  
 Frame: 100% polycarbonate. Removable comfort foam (EVA).  
 Temples: 100% polycarbonate, with anti-slip insert (TPR).  
 Stainless steel screws. Nose pad: 100% TPR. Colour: grey.  
 EN 166, EN 170 [ 2C-1,2 SINGER 1 F C € ]



10x10



35 g



SINGER

 REMOVABLE FOAM  


### EVAFOMA

Safety spectacles. Lens: 100% polycarbonate, tinted (smoke).  
 Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.  
 Frame: 100% polycarbonate. Removable comfort foam (EVA).  
 Temples: 100% polycarbonate, with anti-slip insert (TPR).  
 Stainless steel screws. Nose pad: 100% TPR. Colour: black and orange.  
 EN 166, EN 172 [ 5-2 SINGER 1 F C € ]



10x10

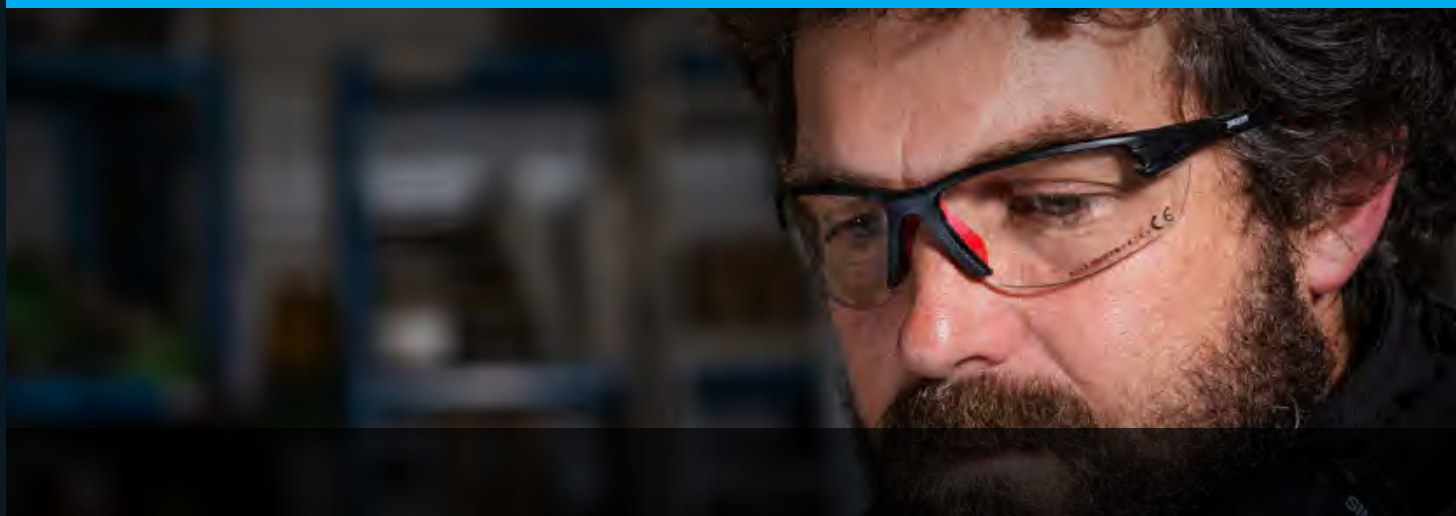


35 g



SINGER

 REMOVABLE FOAM  

### EVASHIELD

Metal free safety spectacles. Lens: 100% clear polycarbonate. Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch. Frame: 100% polycarbonate. Temples: 100% polycarbonate, with anti-slip insert (TPR). Nose pad: 100% TPR. Colour: black and red.

EN 166, EN 170 [2C-1,2 SINGER 1 FT K N C E]



10x10



24 g



SINGER



### EVALIGHT

Safety spectacles. Lens: 100% clear polycarbonate, one-piece. Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch. Temples: 100% polycarbonate, with anti-slip insert (TPE). Stainless steel screws. Colour: orange.

EN 166, EN 170 [2C-1,2 SINGER 1 FT K N C E]



10x10



16 g



SINGER



### EVALIGHTA

Safety spectacles. Lens: 100% polycarbonate, tinted (smoke), one-piece. Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch. Temples: 100% polycarbonate, with anti-slip insert (TPE). Stainless steel screws. Colour: orange.

EN 166, EN 172 [5-3,1 SINGER 1 FT K N C E]



10x10

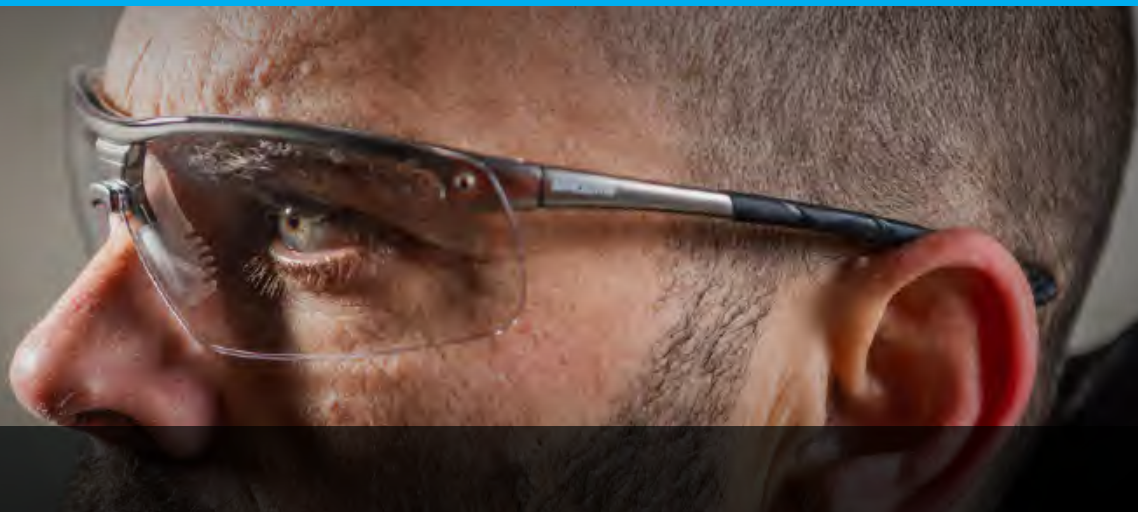


16 g



SINGER





### EVARUN

Safety spectacles.

Lens: 100% clear polycarbonate, one-piece. Lens thickness: 2,10 mm.

Treatment: antifog and anti-scratch. Frame: 100% polycarbonate.

Temples: 100% polycarbonate, with anti-slip insert (TPR).

Stainless steel screws. Nose pad: 100% TPR. Colour: black and grey.

EN ISO 16321-1 (SINGER® UL1,2 CT 1 C € + 16321 SINGER® CT 1-M C €)



**SINGER®**



### EVARUNA

Safety spectacles.

Lens: 100% polycarbonate, tinted (smoke), one-piece. Lens thickness: 2,10 mm.

Treatment: antifog and anti-scratch. Frame: 100% polycarbonate.

Temples: 100% polycarbonate, with anti-slip insert (TPR).

Stainless steel screws. Nose pad: 100% TPR. Colour: black and grey.

EN ISO 16321-1 (SINGER® GL3 CT 1 C € + 16321 SINGER® CT 1-M C €)



**SINGER®**



### EVATREND

Safety spectacles. Lens: 100% polycarbonate, tinted. Lens thickness: 2,20 mm.

Treatment: UV (400) protection, antifog and anti-scratch.

Frame: 100% polycarbonate.

Temples: 100% polycarbonate, with anti-slip insert (PVC).

Stainless steel screws. Nose pad: 100% soft PVC. Colour: black and brown.

EN ISO 16321-1 (SINGER® GL1 C 1 C € + 16321 SINGER® C 1-M C €)



**SINGER®**



### EVALOR

Safety spectacles. Lens: 100% clear polycarbonate.  
 Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.  
 Frame: 100% polycarbonate. Temples: 100% polycarbonate,  
 with anti-slip insert (TPR), perforated for cord access.  
 Stainless steel screws. Nose pad: 100% TPR. Colour: black and orange.

EN 166, EN 170 [2C-1,2 SINGER 1 F C €]



10x10



21 g



SINGER



### EVALORA

Safety spectacles. Lens: 100% polycarbonate, tinted (smoke).  
 Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.  
 Frame: 100% polycarbonate. Temples: 100% polycarbonate,  
 with anti-slip insert (TPR), perforated for cord access.  
 Stainless steel screws. Nose pad: 100% TPR. Colour: black and orange.

EN 166, EN 172 [5-3,1 SINGER 1 F C €]



10x10



21 g



SINGER



### EVAPOLAR

Polarizing safety spectacles. Lens: 100% polycarbonate (polarizing).  
 Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.  
 Frame: 100% polycarbonate. Temples: 100% polycarbonate,  
 with anti-slip insert (TPR), perforated for cord access.  
 Stainless steel screws. Nose pad: 100% TPR. Colour: black and grey.

EN 166, EN 172 [5-3,1 SINGER 1 F K N C €]



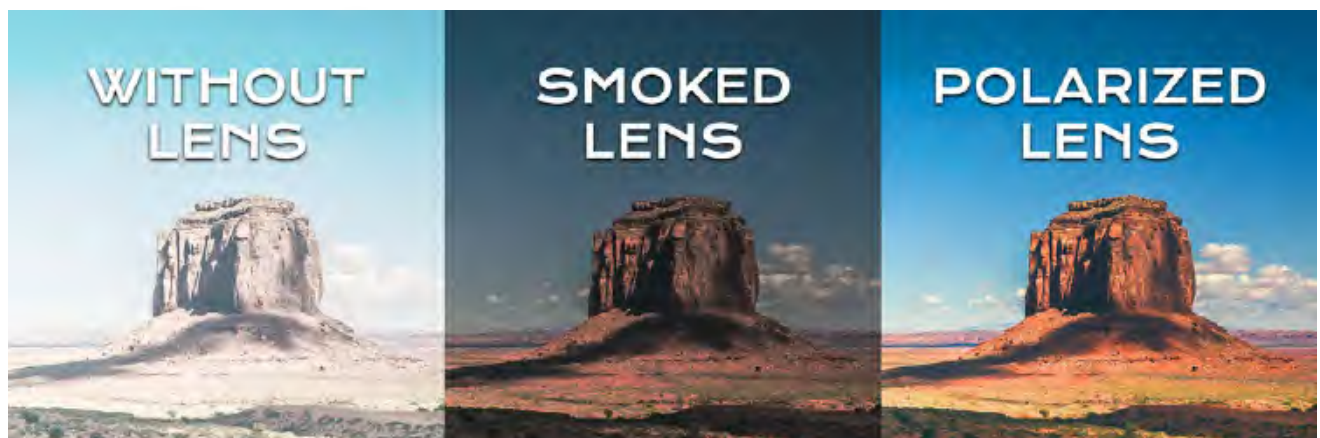
10x5



21 g



SINGER





**EVASHARKGCA**

Safety spectacles.

Lens: 100% clear polycarbonate. Lens thickness: 2,00 mm.

Treatment: antifog and anti-scratch. Frame: 100% polyamide.

Temples: 100% polyamide, horizontally adjustable, perforated for cord access.

Stainless steel screws. Nose pad: 100% soft PVC. Colour: grey.

EN 166, EN 170 [ 2C-1,2 **SINGER** 1 FT € ]

**SINGER****EVASHARKNJA**

Safety spectacles.

Lens: 100% polycarbonate, tinted (yellow). Lens thickness: 2,00 mm.

Treatment: antifog and anti-scratch. Frame: 100% polyamide.

Temples: 100% polyamide, horizontally adjustable, perforated for cord access.

Stainless steel screws. Nose pad: 100% soft PVC. Colour: grey.

EN 166, EN 170 [ 2C-1,2 **SINGER** 1 FT € ]

**SINGER****EVASHARKMSA**

Safety spectacles.

Lens: 100% polycarbonate, tinted (smoke). Lens thickness: 2,00 mm.

Treatment: antifog and anti-scratch. Frame: 100% polyamide.

Temples: 100% polyamide, horizontally adjustable, perforated for cord access.

Stainless steel screws. Nose pad: 100% soft PVC. Colour: brown.

EN 166, EN 172 [ 5-2 **SINGER** 1 FT € ]

**SINGER****EVASHARKBBA**

Safety spectacles.

Lens: 100% polycarbonate, tinted (blue). Lens thickness: 2,00 mm.

Treatment: antifog and anti-scratch. Frame: 100% polyamide.

Temples: 100% polyamide, horizontally adjustable, perforated for cord access.

Stainless steel screws. Nose pad: 100% soft PVC. Colour: blue.

EN 166, EN 172 [ 5-3,1 **SINGER** 1 FT € ]

**SINGER**



### EVAORAN

Safety spectacles. Lens: 100% clear polycarbonate, one-piece.

Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.

Temples: 100% polycarbonate, with anti-slip insert (TPR), perforated for cord access. Stainless steel screws. Colour: black and orange.

EN 166, EN 170 [ 2C-1,2 SINGER 1 FT C € ]



10x10



24 g



**SINGER**



### EVARED

Safety spectacles. Lens: 100% clear polycarbonate, one-piece.

Lens thickness: 2,00 mm. Treatment: anti-scratch.

Temples: 100% polycarbonate, with anti-slip insert (TPR), perforated for cord access. Stainless steel screws. Colour: black and red.

EN 166, EN 170 [ 2C-1,2 SINGER 1 FT C € ]



10x10



24 g



**SINGER**



### EVAREDA

Safety spectacles. Lens: 100% polycarbonate, tinted (smoke), one-piece.

Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.

Temples: 100% polycarbonate, with anti-slip insert (TPR), perforated for cord access. Stainless steel screws. Colour: black and red.

EN 166, EN 172 [ 5-3,1 SINGER 1 FT C € ]



10x10



24 g



**SINGER**



### EVALIT

Safety spectacles.

Lens: 100% clear polycarbonate, one-piece. Lens thickness: 2,30 mm.

Treatment: antifog and anti-scratch. Temples: 100% polycarbonate.

Stainless steel screws. Colour: black.

EN 166, EN 170 [ 2C-1,2 SINGER 1 FT C € ]



10x10



23 g



**SINGER**



**EVA08**

Safety overspectacles. Lens: 100% clear polycarbonate, one-piece.

Lens thickness: 1,80 mm. Treatment: antifog and anti-scratch.

Temples: 100% polycarbonate, pivoting.

Sideshields. Stainless steel screws. Colour: transparent and black.

EN ISO 16321-1 (SINGER® UL1,2 CT 1 KN C € + 16321 SINGER® CT 1-M C €)

**SINGER®****EVA07**

Safety overspectacles. Lens: 100% clear polycarbonate, one-piece.

Lens thickness: 2,00 mm. Treatment: anti-scratch. Temples: 100% polyamide, horizontally adjustable, pivoting, perforated for cord access.

Sideshields. Stainless steel screws. Colour: black and yellow.

EN 166, EN 170 [ 2C-1,2 SINGER® 1 FT C € ]

**SINGER®****EVASAND**

Safety spectacles. Lens: 100% clear polycarbonate, one-piece.

Lens thickness: 2,00 mm. Treatment: anti-scratch.

Temples: 100% polyamide, horizontally adjustable, pivoting. Sideshields.

Stainless steel screws. Nose pad: 100% soft PVC. Colour: grey.

EN 166, EN 170 [ 2C-1,2 SINGER® 1 FT C € ]

**SINGER®****EVA86AB**

Safety spectacles. Lens: 100% clear polycarbonate, one-piece.

Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.

Temples: 100% polyamide, horizontally adjustable.

Stainless steel screws. Nose pad: 100% soft PVC. Colour: navy blue.

EN 166, EN 170 [ 2C-1,2 SINGER® 1 FT C € ]

**SINGER®**



### EVASUR

Safety spectacles.

Lens: 100% clear polycarbonate, one-piece. Lens thickness: 2,00 mm.

Treatment: anti-scratch. Temples: 100% polycarbonate, with anti-slip insert (TPR).

Stainless steel screws. Colour: black.

EN 166, EN 170 [2C-1,2 **SINGER** 1 FT C €]



10x10



27 g



**SINGER**



### EVAMED

Safety spectacles.

Lens: 100% clear polycarbonate, one-piece. Lens thickness: 2,00 mm.

Treatment: anti-scratch. Temples: 100% polycarbonate. Stainless steel screws.

EN 166, EN 170 [2C-1,2 **SINGER** 1 FT C €]



10x10



24 g



**Prosur**



### EVASUN

Safety spectacles. Lens: 100% polycarbonate, tinted (smoke), one-piece.

Lens thickness: 2,00 mm. Temples: 100% polycarbonate.

Stainless steel screws. Colour: black.

EN 166, EN 172 [5-3,1 **SINGER** 1 FT C €]



10x10



24 g



**Prosur**





### EVALANKA

Safety spectacles. Lens: 100% clear polycarbonate, one-piece.  
 Lens thickness: 2,00 mm. Treatment: anti-scratch. Frame: 100% polyamide.  
 Temples: 100% polyamide, horizontally adjustable, pivoting, perforated for cord access. Sideshields. Stainless steel screws. Colour: black.

EN 166, EN 170 [ 2C-1,2 **SINGER** 1 FT € ]



**SINGER**



### EVASPORT--B

Safety spectacles. Lens: 100% clear polycarbonate, one-piece.  
 Lens thickness: 2,00 mm. Treatment: anti-scratch. Frame: 100% polyamide.  
 Temples: 100% polyamide, horizontally adjustable, perforated for cord access. Sideshields. Stainless steel screws. Colour: blue.

EN 166, EN 170 [ 2C-1,2 **SINGER** 1 FT € ]



**SINGER**



### EVASPORT--N

Safety spectacles. Lens: 100% clear polycarbonate, one-piece.  
 Lens thickness: 2,00 mm. Treatment: anti-scratch. Frame: 100% polyamide.  
 Temples: 100% polyamide, horizontally adjustable, perforated for cord access. Sideshields. Stainless steel screws. Colour: black.

EN 166, EN 170 [ 2C-1,2 **SINGER** 1 FT € ]



**SINGER**



### EVASTAR

Metal free safety spectacles.

Lens: 100% clear polycarbonate, one-piece. Lens thickness: 2,00 mm.

Temples: 100% polycarbonate, perforated for cord access. Sideshields.

EN 166, EN 170 [ 2C-1,2 **SINGER** 1 FT C € ]



10x10



44 g



**SINGER**



### EVALAB

Metal free safety spectacles.

Lens: 100% clear polycarbonate, one-piece. Lens thickness: 2,00 mm.

Temples: 100% polycarbonate, perforated for cord access.

EN 166, EN 170 [ 2C-1,2 **SINGER** 1 FT C € ]



10x10



27 g



**Prosur**



**ACCCORD2N**

Elastic round cord for spectacles.

Adjustable length: 33,5 cm. Diameter: 2 mm. Clip connectors. Colour: black.

**SINGER** **ACCCORD3N**

Elastic round cord for spectacles. Adjustable length: 32 cm. Diameter: 2,3 mm.

Plastic loop connectors. Colour: black.

**SINGER** **ACCETUI3**

Rigid case for spectacles. Keep your equipment away from impact, scratch and dust.

Hook and belt loop. Zip fastening. Colour: black.

**SINGER** **ACCETUI2**

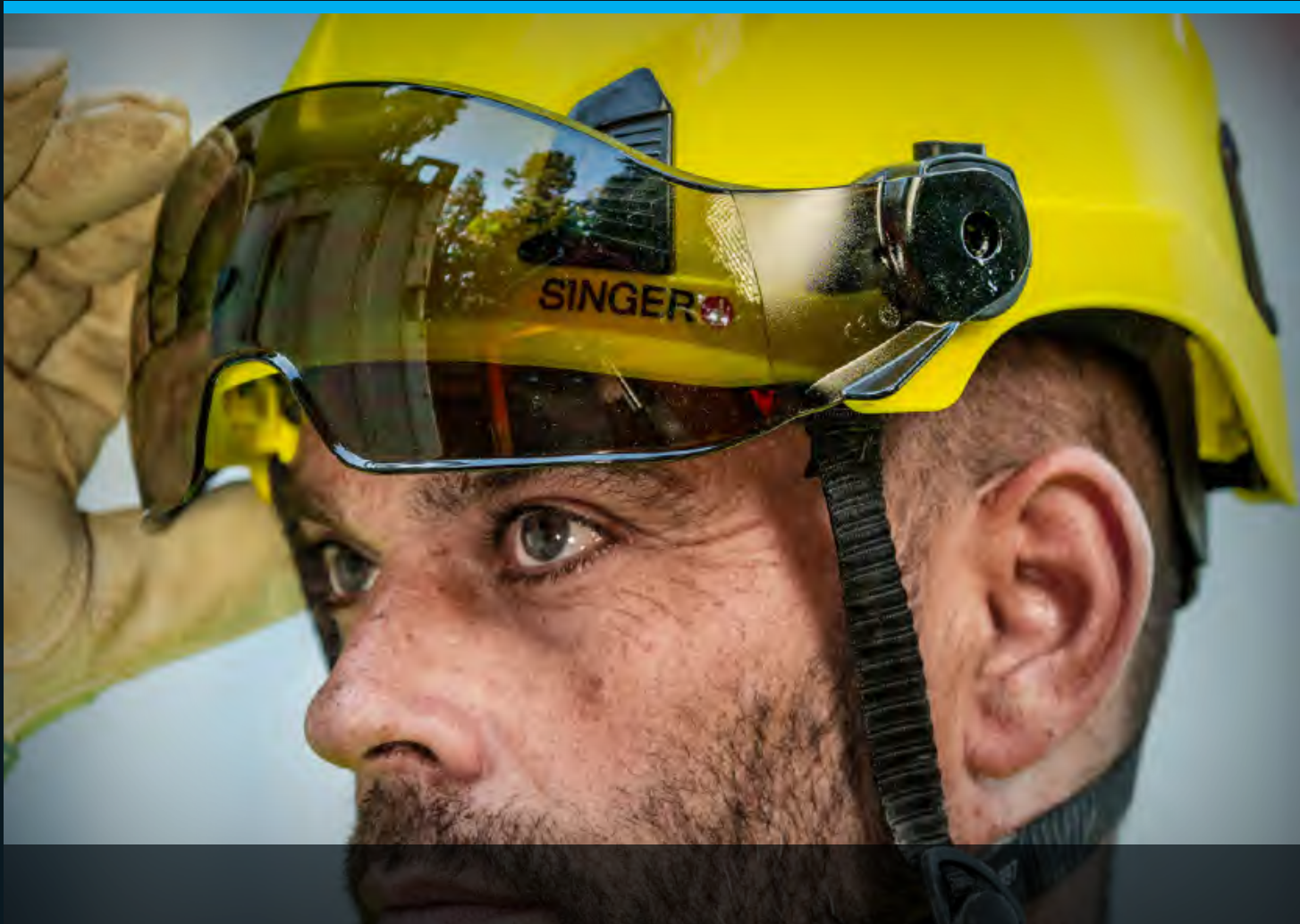
Soft case for spectacles.

Keep your equipment away from dust. Drawcord fastening. Colour: black.

**SINGER** **ACCTISSN**

Lens cleaning polyester tissue. Dimensions: 15 x 15 cm. Colour: black.

**SINGER** 



### LUNHIMA

Goggles for safety helmet.

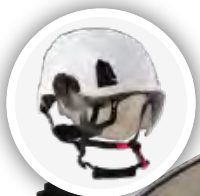
Lens: 100% clear polycarbonate, one-piece. Various possible positions.

Installs without tools. Compatible with HIMA / HIMA2.

EN 166 [SINGER 1 FT C€]

 50x1

**SINGER** 



### LUNHIMA525

Goggles for safety helmet.

Lens: 100% polycarbonate, tinted (smoke), one-piece. Various possible positions.

Installs without tools. Compatible with HIMA / HIMA2.

EN 166, EN 172 [5-2,5 SINGER 1 FT C€]

 50x1

**SINGER** 





### LUNALP

Goggles for safety helmet. Lens: 100% clear polycarbonate, one-piece.  
Installs without tools. Compatible with ALPIN / ALPIN2.

EN 166, EN 170 [ 2C-1,2 **SINGER** 1 FT N C € ]



**SINGER** 

### LUNKARA

Goggles for safety helmet. Lens: 100% clear polycarbonate, one-piece.  
Installs without tools. Compatible with CAS7001.

EN 166, EN 170 [ 2-1,2  1 B C € ]



### LUNIRIS2

Goggles for safety helmet. Lens: 100% clear polycarbonate, one-piece.  
Installs without tools. Compatible with CASIRIS2.

EN 166, EN 170 [ 2-1,2  1 F C € ]





### EVASAFE

Metal free safety goggles. Inner lens: 100% clear acetate, one-piece.

Outer lens: 100% polycarbonate, one-piece. Lens thickness: 0,50 + 2,30 mm.

Treatment: UV protection, antifog (N) and anti-scratch (K).

Frame: 100% HTPR with soft waterproof seal.

Unvented. Elastic band: 100% neoprene, adjustable. Colour: black.

EN ISO 16321-1 (SINGER  UL1,2 DT 1 K N C €)

+ (16321 SINGER  U1,2 DT 1-M 3 4 5 C €)



12x6



143 g



SINGER 





## EVAGUARD

Metal free safety goggles. Lens: 100% clear polycarbonate, one-piece.  
 Lens thickness: 2,30 mm. Treatment: antifog and anti-scratch.  
 Frame: 100% PVC with soft waterproof seal. Unvented.  
 Elastic band: 100% polyamide, adjustable. Can be fitted with the visor ACC-  
 GUARD to form a complete face protection. Colour: blue.

EN 166, EN 170 [ 2C-1,2 **SINGER** 1 BT 3 4 5 C € ]



6x10



110 g



**SINGER**

## ACCGUARD

Protective visor for EVAGUARD. 100% clear polycarbonate.

EN 166 [ **SINGER** 1 BT 3 C € ]



6x10



60 g

**SINGER**





### EVACANA

Metal free safety goggles. Lens: 100% clear polycarbonate, one-piece.  
 Lens thickness: 2,00 mm. Treatment: antifog. Frame: 100% polypropylene with soft waterproof seal (AES santoprene). Indirect venting.  
 Elastic band: 60% polyester and 40% rubber, adjustable. Colour: grey and blue.

EN 166 [SINGER 1 BT 3 9 K N C €]



10x10



83 g

**SINGER**



### EVA03

Metal free safety goggles. Lens: 100% clear polycarbonate, one-piece.  
 Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.  
 Frame: 100% PVC with waterproof seal. Direct venting.  
 Elastic band: 60% polyester and 40% rubber, adjustable. Colour: blue.

EN 166 [SINGER 1 BT 3 4 9 C €]



10x10



90 g



**SINGER**



### EVAFLEX

Metal free safety goggles.  
 Lens: 100% clear polycarbonate, one-piece. Lens thickness: 2,00 mm.  
 Treatment: antifog y anti-scratch. Frame: 100% TPU with comfort foam (PU).  
 Unvented. Elastic band: 100% polyamide, adjustable. Colour: black.

EN ISO 16321-1 (SINGER 1 UL1,2 DT C €)

+ (16321 SINGER 1 U1,2 DT 1-M 3 4 5 C €)



9x6



134 g

**SINGER**





### EVAPRO

Metal free safety goggles. Lens: 100% clear polycarbonate, one-piece.  
 Lens thickness: 2,00 mm. Treatment: antifog y anti-scratch.  
 Frame: 100% PVC with waterproof seal. Indirect venting: 4 aerators.  
 Elastic band: 60% polyester and 40% rubber, adjustable. Colour: blue.

EN 166 [SINGER 1 BT 3 4 9 C €]

10x10 120 g

SINGER



### EVARIO

Metal free safety goggles. Lens: 100% clear polycarbonate, one-piece.  
 Lens thickness: 2,00 mm. Treatment: antifog and anti-scratch.  
 Frame: 100% soft PVC. Indirect venting: 4 aerators.  
 Elastic band: 60% polyester and 40% rubber, adjustable.

EN 166 [SINGER 1 BT 3 4 9 C €]

10x10 76 g

SINGER



### EVAMAS

Metal free safety goggles. Lens: 100% clear polycarbonate, one-piece.  
 Lens thickness: 2,00 mm. Frame: 100% soft PVC. Direct venting.  
 Elastic band: 60% polyester and 40% rubber, adjustable.

EN 166 [SINGER 1 BT 3 4 9 C €]

10x10 81 g

SINGER





2x1

CERTIFIED  
ISO 14001

## EVASOUD

Metal free welding spectacles. Lens: 100% polycarbonate, tinted (green).  
 Lens thickness: 2,00 mm. Treatment: anti-scratch. Frame: 100% polycarbonate.  
 Comfort foam. Temples: 100% polycarbonate, removable.  
 Elastic band: 60% polyester and 40% elastane, removable, adjustable. Colour:  
 black and red.

EN 166, EN 169, EN 171, EN175 [ 4-5 SINGER 1 FT C€ ]



10x10



41 g



SINGER





## EVASPORTN5

Welding spectacles. Lens: 100% polycarbonate, tinted (green).  
 Lens thickness: 2,00 mm. Treatment: anti-scratch. Frame: 100% polyamide.  
 Temples: 100% polyamide, horizontally adjustable, perforated for cord access.  
 Sideshields. Stainless steel screws. Colour: black.

EN 166, EN 169, EN 171, EN175 [ 4-5 SINGER 1 FT C € ]



SINGER



## EVASPORTN3

Welding spectacles. Lens: 100% polycarbonate, tinted (green).  
 Lens thickness: 2,00 mm. Treatment: anti-scratch. Frame: 100% polyamide.  
 Temples: 100% polyamide, horizontally adjustable, perforated for cord access.  
 Sideshields. Stainless steel screws. Colour: black.

EN 166, EN 169, EN175 [ 3 SINGER 1 FT C € ]



SINGER



## EVASTARN5

Metal free welding spectacles.  
 Lens: 100% polycarbonate, tinted (green), one-piece. Lens thickness: 2,00 mm.  
 Treatment: anti-scratch. Temples: 100% polycarbonate, perforated for cord access.  
 Sideshields. Colour: black.

EN 166, EN 169, EN 171, EN175 [ 4-5 SINGER 1 FT C € ]



SINGER



## LUN225

Metal free welding goggles. Lens: 100% clear polycarbonate.  
 Flip-up eyepiece frame (ABS) with double lens (tinted polycarbonate and clear polycarbonate). Lens thickness: 1,50 + 3,00 + 1,50 mm.  
 Frame: 100% soft PVC. Indirect venting: 4 aerators.  
 Elastic band: 60% polyester and 40% rubber, adjustable. Colour: black and green.

EN 166, EN 169, EN175 [ 5 SINGER 1 F C € ]



SINGER





### EVA300

Welding mask. Material: 100% polypropylene. Ratchet system adjustment. Space for protective cover lens. Flip-up frame for filter (rear) and protective cover lens (front). Filters and cover lenses sold separately. Colour: black.

EN 166, EN175 [SINGER OFCE]

 10x1

**SINGER** 



### ACCVP11900

Protane® filter for EVA300. Smoked mineral glass. 108 x 51 mm. Scale n° 11.

EN 166, EN 169

 x100

**SINGER** 



### ACCVP10550

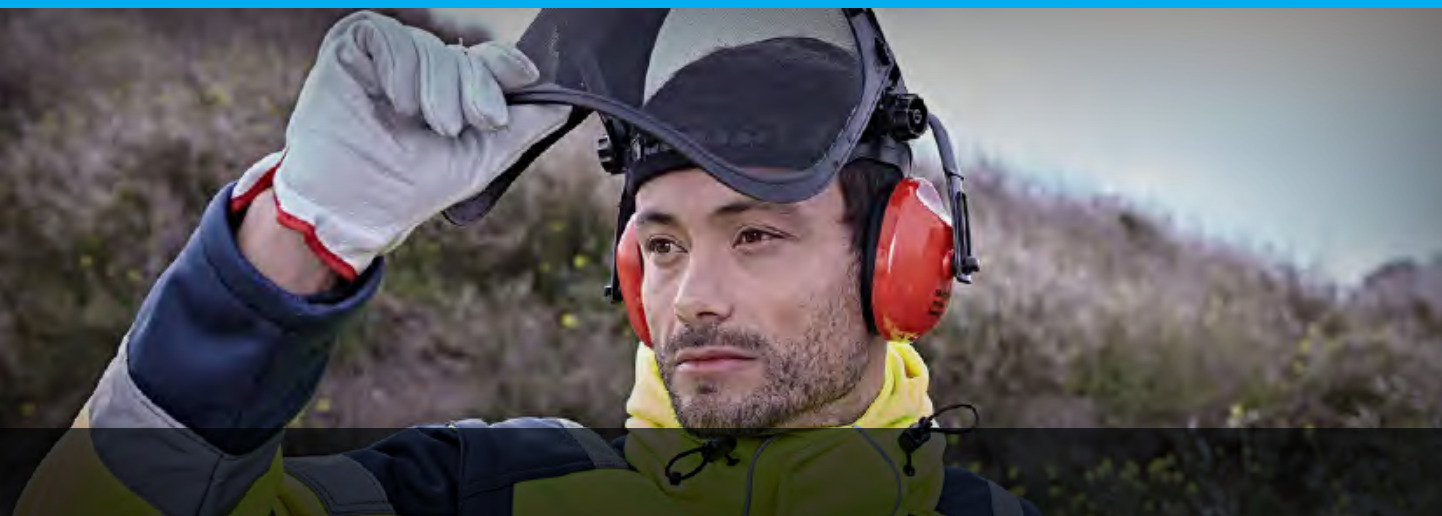
Protective screen for EVA300. Colorless polycarbonate. 108 x 51 mm.

EN 166

 x100

**SINGER** 





[ SUPPLIED  
WITH VISOR  
AND EAR-MUFFS ]

### HG925N

Visor holder. Material: 100% polypropylene. Comfort foam.  
Ratchet system adjustment. Flip-up visor system. Supplied with visor HG825L  
(385 x 195 mm) and ear-muffs HG106J. Delivered dismantled. Colour: black.  
Compatible with ACC805 / ACC805LARG / FORCE805 / ACC930CL / HG825L.  
EN 1731 (F), EN 352-1 SNR 27,2dB (H:30,5dB M:25,1dB L:17,5dB)

 30x1

**SINGER** 



[ SUPPLIED  
WITH VISOR ]

### EVA825

Visor holder. Material: 100% polypropylene. Comfort foam.  
Ratchet system adjustment. Flip-up visor system.  
Supplied with mesh visor (305 x 195 mm). Colour: yellow and black.  
Compatible with ACC805 / ACC805LARG / FORCE805 / ACC930CL / HG825L.  
EN 1731 (F)

 6x10



**SINGER** 



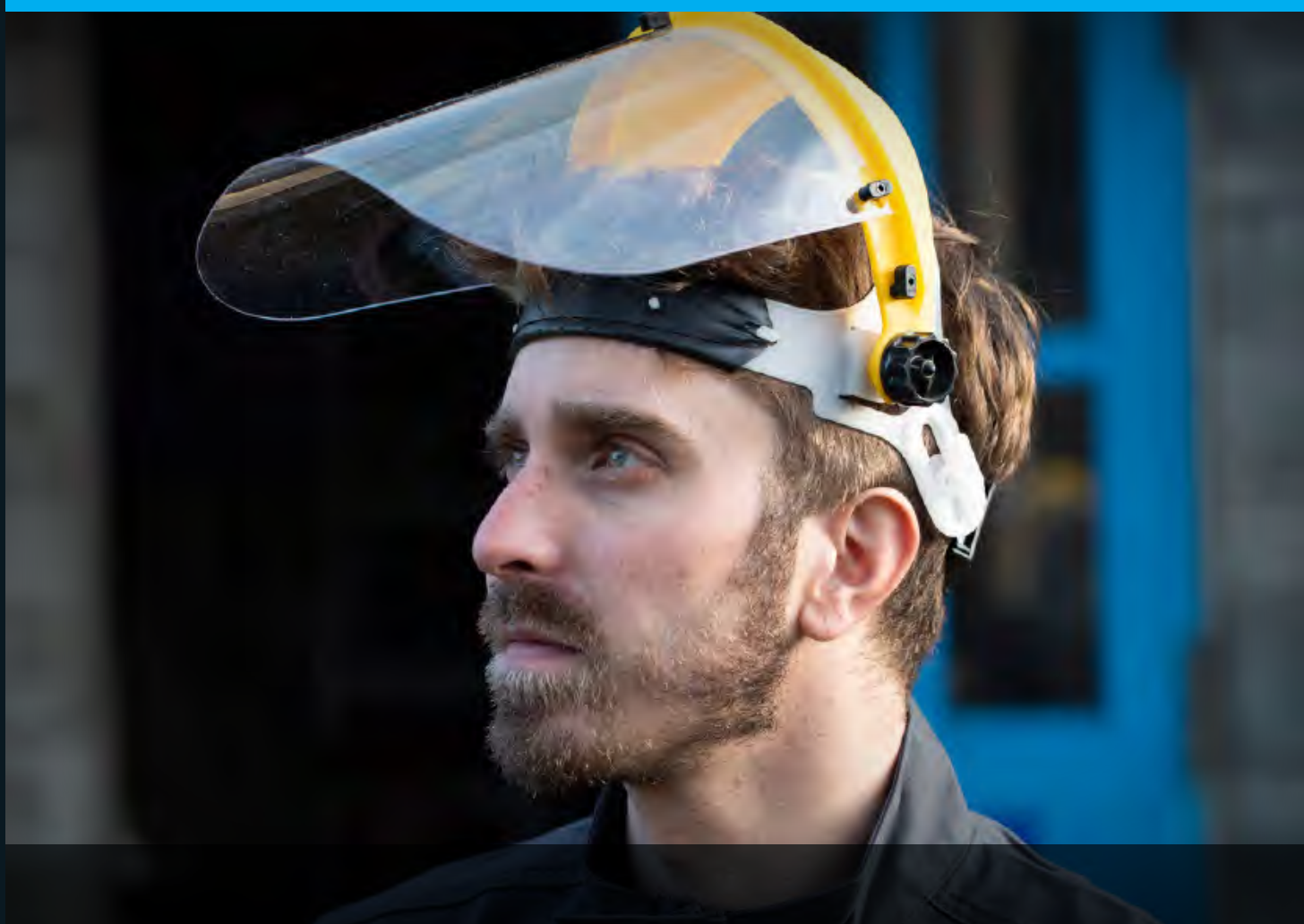
### HG825L

Stainless steel mesh visor (385 x 195 mm). Compatible with HG925N / EVA805 /  
EVA825 / FORCECAL / HG930B / FORCESUP / HG867.  
EN 1731 (F)

 20x10

**SINGER** 





[ SUPPLIED  
WITH VISOR ]

### EVA805

Visor holder. Material: 100% polypropylene. Comfort foam.

Ratchet system adjustment. Flip-up visor system.

Supplied with mesh visor ACC805 (305 x 190 mm). Colour: yellow and black.

Compatible with ACC805 / ACC805LARG / FORCE805 / ACC930CL / HG825L.

EN 166 [ SINGER 1 B C E ]



6x10



SINGER



ACC805 305 x 190 mm.

ACC805LARG 395 x 200 mm.

Clear polycarbonate visor. Thickness: 1.00 mm. Compatible with HG925N /

EVA805 / EVA825 / FORCECAL / FORCESUP / HG867.

EN 166 [ SINGER 1 B C E ]



200x1

SINGER



TESTED AGAINST  
THE ELECTRIC ARC

## FORCECAL

Visor holder. Material: 100% polypropylene.

Comfort foam. Ratchet system adjustment. Flip-up visor system. Colour: blue.

Compatible with ACC805 / ACC805LARG / FORCE805 / ACC930CL / HG825L.

Tested against electric arc only with FORCE805.

EN 166, EN 1731 (S)



SINGER



TESTED AGAINST  
THE ELECTRIC ARC

## FORCE805

Clear polycarbonate spherical visor (400 x 205 mm).

Thickness: 2.00 mm. Compatible with HG925N / EVA805 / EVA825 / FORCECAL

/ HG930B / FORCESUP / HG867.

EN 166, EN 170 [2-1,2 SINGER 1 BT 3 8 9 C €]



SINGER



## HG930B

Visor holder. Material: 100% polypropylene.

Comfort foam. Ratchet system adjustment. Flip-up visor system. Colour: blue.

Compatible with FORCE805 / ACC930CL / HG825L.

EN 166 (BT)



SINGER



## ACC930CL

Clear polycarbonate spherical visor (400 x 225 mm).

Thickness: 2.00 mm. Compatible with HG925N / EVA805 / EVA825 / FORCECAL

/ HG930B / FORCESUP / HG867.

EN 166, EN 170 [2-1,2 SINGER 1 BT C €]



SINGER





[ ADAPTORS  
INCLUDED ]

### PVHIMA

Visor holder for construction helmet. Material: ABS + TPE.  
Compatible with HIMA / HIMA2. Adaptors included.  
Compatible with VPHIMA / VGHIMA.

EN ISO 16321-1 (+ VPHIMA) / EN ISO 16321-3 (+ VGHIMA)

 20x1

**SINGER** 



### VPHIMA

Protective visor. Material: 100% polycarbonate (ABS frame).  
Dimension: 280 x 162 mm. Thickness: 1,00 mm. Compatible with PVHIMA.

EN ISO 16321-1 ( 16321 **SINGER** 1 U1,2 E N C € )

 20x1

**SINGER** 



### VGHIMA

Mesh protective visor. Material: 100% stainless steel (ABS frame).  
Dimension: 280 x 162 mm. Thickness: 0,40 mm. Compatible with PVHIMA.

EN ISO 16321-1 ( 16321 **SINGER** C C € )

 20x1

**SINGER** 



## FORCEACC

Adaptators for FORCESUP. Compatible with HIMA / HIMA2 / FORCE / FORCE2 / CASIRIS2 / ALPIN / ALPIN2 / CAS7001.



100x1

**SINGER**


## FORCESUP

Visor holder. To be used with FORCEACC.

Not compatible with SHELLY1 / SHELLY2 / SHELLY3.

Compatible with ACC805 / ACC805LARG / FORCE805 / ACC930CL / HG825L.

EN 166 (3, 8, 9, BT), EN 1731 (S)



10x1

**SINGER**


## HG18

Adaptators for HG867. Compatible with HIMA / HIMA2 / CASIRIS2 / CAS5RS / ALPIN / ALPIN2 / CAS7001.



300x1

**SINGER**


## HG867

Visor holder.

To be used with HG18 / SHELLY1 / SHELLY2 / SHELLY3. Supplied with HG18.

Compatible with ACC805 / ACC805LARG / FORCE805 / ACC930CL / HG825L.

EN 166 (3, B), EN 1731 (F)



6x10

**SINGER**


Standards presented in this document are not exhaustive and may change at any time. They are given for information purpose and cannot engage our responsibility in any case. If necessary, it is up to the reader of this catalogue to obtain useful and official documents in order to check the exact content of each standard.

### MARKING OF OCULAR

**B - C SINGER T D E F G C E**

### MARKING OF FRAME

**SINGER T A F E G C E**



| A STANDARDS    |                                                                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EN 165         | Personal eye-protection: vocabulary.                                                                                                                         |
| EN 166         | Personal eye-protection: specifications.                                                                                                                     |
| EN 167         | Personal eye-protection: optical test methods.                                                                                                               |
| EN 168         | Personal eye-protection: non optical test methods.                                                                                                           |
| EN 169         | Personal eye-protection: filters for welding and related techniques.                                                                                         |
| EN 170         | Personal eye-protection: ultraviolet filters.                                                                                                                |
| EN 171         | Personal eye-protection: infrared filters.                                                                                                                   |
| EN 172         | Personal eye-protection: sunglare filters for industrial use.                                                                                                |
| EN 175         | Personal eye and face-protection: welding and allied processes.                                                                                              |
| EN 1731        | Personal eye-protection: mesh eye and face protectors.                                                                                                       |
| EN ISO 12312-1 | Personal eye and face-protection. «Minor risks». Sunglasses and related eyewear.                                                                             |
| EN ISO 16321-1 | This standard will soon replace the EN 166 standard.<br><a href="http://www.singer.fr/en/norm/eniso16321-1-2022">www.singer.fr/en/norm/eniso16321-1-2022</a> |

| B FILTER CODE NUMBER |                                              |
|----------------------|----------------------------------------------|
| No number            | Welding filters                              |
| 2                    | Ultraviolet filters (UV)                     |
| 2C or 3              | UV filters (good colour perception)          |
| 4                    | Infrared filters (IR)                        |
| 5                    | Sunglare filters without specification in IR |
| 6                    | Sunglare filters with specification in IR    |

| C FILTER PROTECTION CLASS |                                            |
|---------------------------|--------------------------------------------|
| 1,1 to 1,2                | Indoor use - clear protection              |
| 1,4 to 2                  | Versatile use - slightly tinted protection |
| 2,5 to 3,1                | Outdoor use - strongly tinted protection   |
| 1,2 to 16                 | Filters for welding and related techniques |

| D OPTICAL CLASS |                                |
|-----------------|--------------------------------|
| 1               | Continuous work (best quality) |
| 2               | Intermittent work              |
| 3               | Occasional work                |

| E MECHANICAL STRENGTH                                                                                                              |                      |
|------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| No symbol                                                                                                                          | Minimum robustness   |
| S                                                                                                                                  | Increased robustness |
| F                                                                                                                                  | Low energy impact    |
| B                                                                                                                                  | Medium energy impact |
| A                                                                                                                                  | High energy impact   |
| Symbol T is used in conjunction with either F, B or A.<br>It indicate that the particules are launched at extremes of temperature. |                      |

| F FIELD OF USE* |                             |
|-----------------|-----------------------------|
| No symbol       | Basic use                   |
| 3               | Liquids                     |
| 4               | Large dust particles        |
| 5               | Gas and fine dust particles |
| 8               | Short circuit electric arc  |
| 9               | Molten metal and hot solids |

| G OPTIONAL REQUIREMENTS         |   |
|---------------------------------|---|
| Anti-fog treatment ***          | N |
| Anti-scratch treatment ***      | K |
| Original ocular ***             | O |
| Replacement ocular ***          | ▽ |
| Enhanced reflectance in IR ***  | R |
| Designed to fit a small head ** | H |

(\*) Unapplicable to spectacles - (\*\*) Marking of frame only - (\*\*\*) Marking of ocular only and if the optional requirements has been tested.







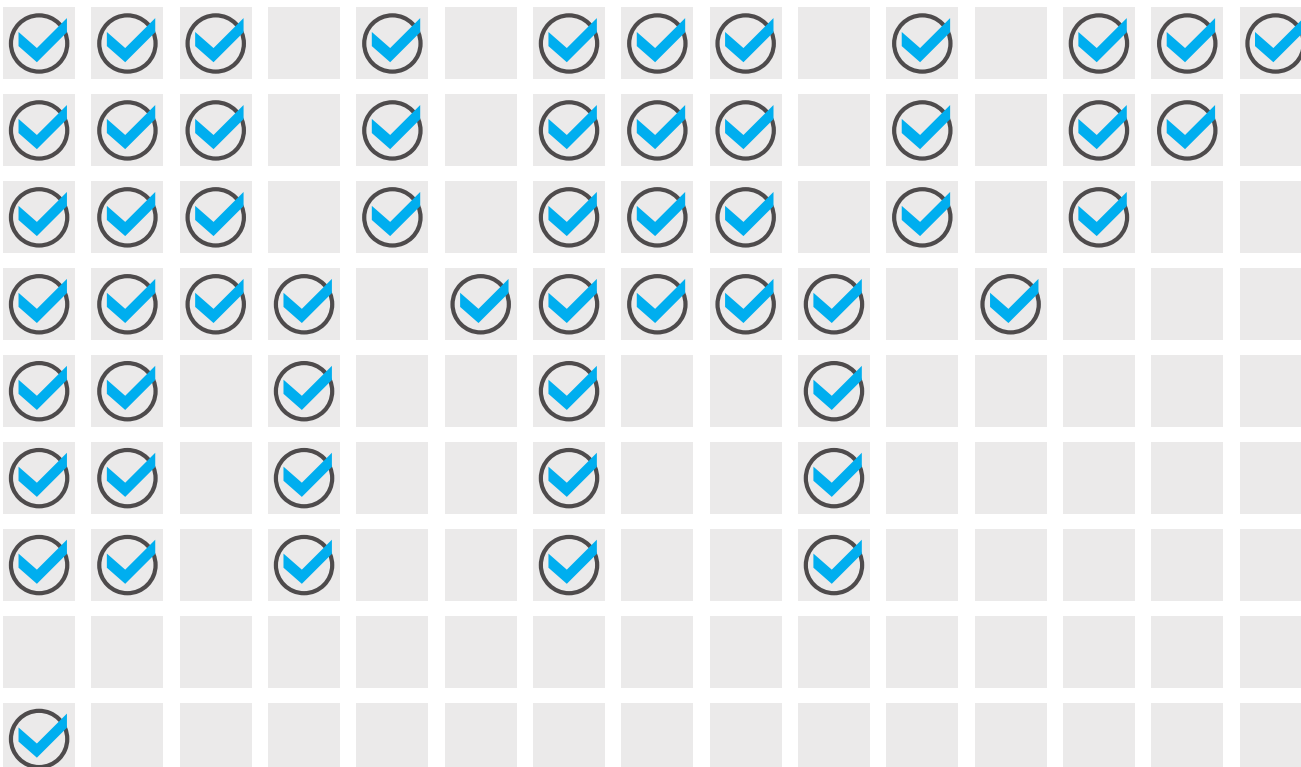




**SINGLE USE**



HPI





### MP60000

Full face mask. Material: polycarbonate. Hermetic silicone face seal.

Treatment: anti-fog and anti-scratch.

Support harness (on the top and back of the head), with 4 adjustable straps.

Provided for two filters (sold separately). With MAXIFLOW exhalation valve.

Delivered in a carrying bag. Colour: black and blue.

EN 136 (class 2)



4x1



M→L



440 g



**SINGER**



### ECRAN600

Transparent protective shield. Polyethylene terephthalate (PET).

Polybag of 25 pieces. Suitable for the MP60000 panoramic mask.



20x1

**SINGER**





## DMS00

Half-mask. Material: polycarbonate. Hermetic silicone face seal.  
Support harness (on the top and back of the head), with 2 adjustable straps.  
Provided for two filters (sold separately). With exhalation valve.  
Colour: grey and blue.

EN 140



 10x1  M→L  125 g  **SINGER** 

## DMT

Half-mask. Material: polypropylene. Hermetic TPR face seal.  
Support harness (on the top and back of the head), with 2 adjustable straps.  
Provided for two filters (sold separately). With exhalation valve. Colour: grey.

EN 140

 20x1  90 g  **SINGER** 



**FABEK1P3**

Filter for DMS00, DMT or MP60000. Sold by pair.

EN 14387 (A1, B1, E1, K1, P3, R, D)



**SINGER**

**FABEK1**

Filter for DMS00, DMT or MP60000. Sold by pair.

EN 14387 (A1 B1 E1 K1)



**SINGER**

**FA2P3**

Filter for DMS00, DMT or MP60000. Sold by pair.

EN 14387 (A2 P3 R D)



**SINGER**

**FAE1P3**

Filter for DMS00, DMT or MP60000. Sold by pair.

EN 14387 (A1 E1 P3 R D)



**SINGER**

**FRAP3C**

Filter for DMS00, DMT or MP60000. Sold by pair.

EN 143 (P3 R)



**SINGER**



**F AE1**

Filter for DMS00, DMT or MP60000. Sold by pair.

EN 14387 (A1 E1)



**SINGER**

**FA1**

Filter for DMS00, DMT or MP60000. Sold by pair.

EN 14387 (A1)



**SINGER**

**FRAP3**

Filter for DMS00, DMT or MP60000. Sold by pair.

EN 143 (P3 R)



**SINGER**

**CLIPF2P2**

Pre-filter adapter. Supplied with 2 pairs of FLAP2 pre-filters.

Material: 100% polypropylene. Compatible with FA1 / FAE1 / FABEK1. Sold by pair.

EN 14387 (P2 R D)



**SINGER**

**5FLAP2**

Particle pre-filter P2. Polybag of 5 pairs. Attachment using the CLIPF adapter.

Material: polypropylene (5 layers). Compatible with FA1 / FAE1 / FABEK1.

EN 14387 (P2 R D)



**SINGER**





### MP731S

Full face mask.

Material: polycarbonate. Hermetic silicone face seal. Treatment: anti-scratch.

Support harness (on the top and back of the head), with 5 adjustable straps.

Provided for one filter (sold separately).

Delivered in a carrying bag. Colour: black, blue and orange.

EN 136 (class 3), EN 148-1



### MP731R

Full face mask.

Material: polycarbonate. Hermetic rubber face seal. Treatment: anti-scratch.

Support harness (on the top and back of the head), with 5 adjustable straps.

Provided for one filter (sold separately).

Delivered in a carrying bag. Colour: black and orange.

EN 136 (class 3), EN 148-1



**725ABEK2HgP3** A2, B2, E2, K2, Hg, P3, R, D filter.

**725ABEK2P3** A2, B2, E2, K2, P3, R, D filter.

**725A2P3** A2, P3, R, D filter.

**725ABEK2** A2, B2, E2, K2 filter.

**725P3** P3, R filter.

**725A2** A2 filter.

Filter for MP731R or MP731S full face mask. Sold by piece.

EN 14387 and/or EN 143 and/or EN 148-1





**DM756S**

Half-mask. Hermetic silicone face seal.

Support harness (on the top and back of the head), with 2 adjustable straps.

Provided for two filters (sold separately).

With exhalation valve. Colour: black and blue.

EN 140

**DM756C**

Half-mask. Hermetic rubber face seal.

Support harness (on the top and back of the head), with 2 adjustable straps.

Provided for two filters (sold separately).

With exhalation valve. Colour: black and orange.

EN 140



**755ABEK1P3** ☞ A1, B1, E1, K1, P3, R, D filter.

**755A2P3** ☞ A2, P3, R, D filter.

**755A1P3** ☞ A1, P3, R, D filter.

**755ABEK1** ☞ A1, B1, E1, K1 filter.

**755P3** ☞ P3, R filter.

**755A1** A1 filter.

Filter for DM756S or DM756C half-mask. Sold by piece.

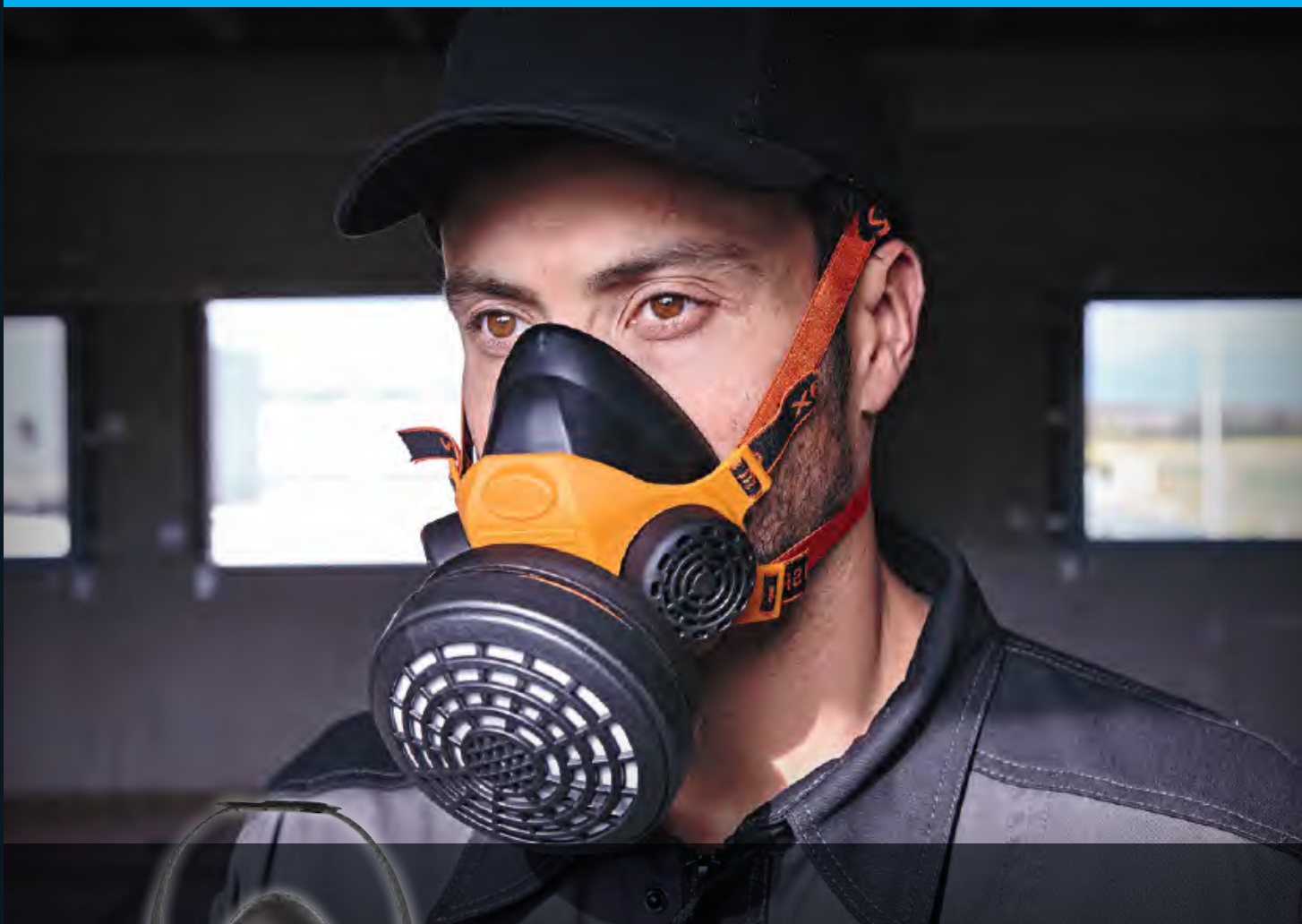
EN 14387 and/or EN 143



755A1: 10x1  
755P3: 10x1  
755ABEK1: 10x1

755A1P3: 6x1  
755ABEK1P3: 6x1  
755A2P3: 4x1





### DM761C

Half-mask. Hermetic rubber face seal.

Support harness (on the top and back of the head), with 2 adjustable straps.

Provided for one filter (sold separately).

With 2 exhalation valves. Colour: black and orange.

EN 140



x1



760ABEK1 A1, B1, E1, K1 filter.

760A1 A1 filter.

Filter for DM761C half-mask. Sold by piece.

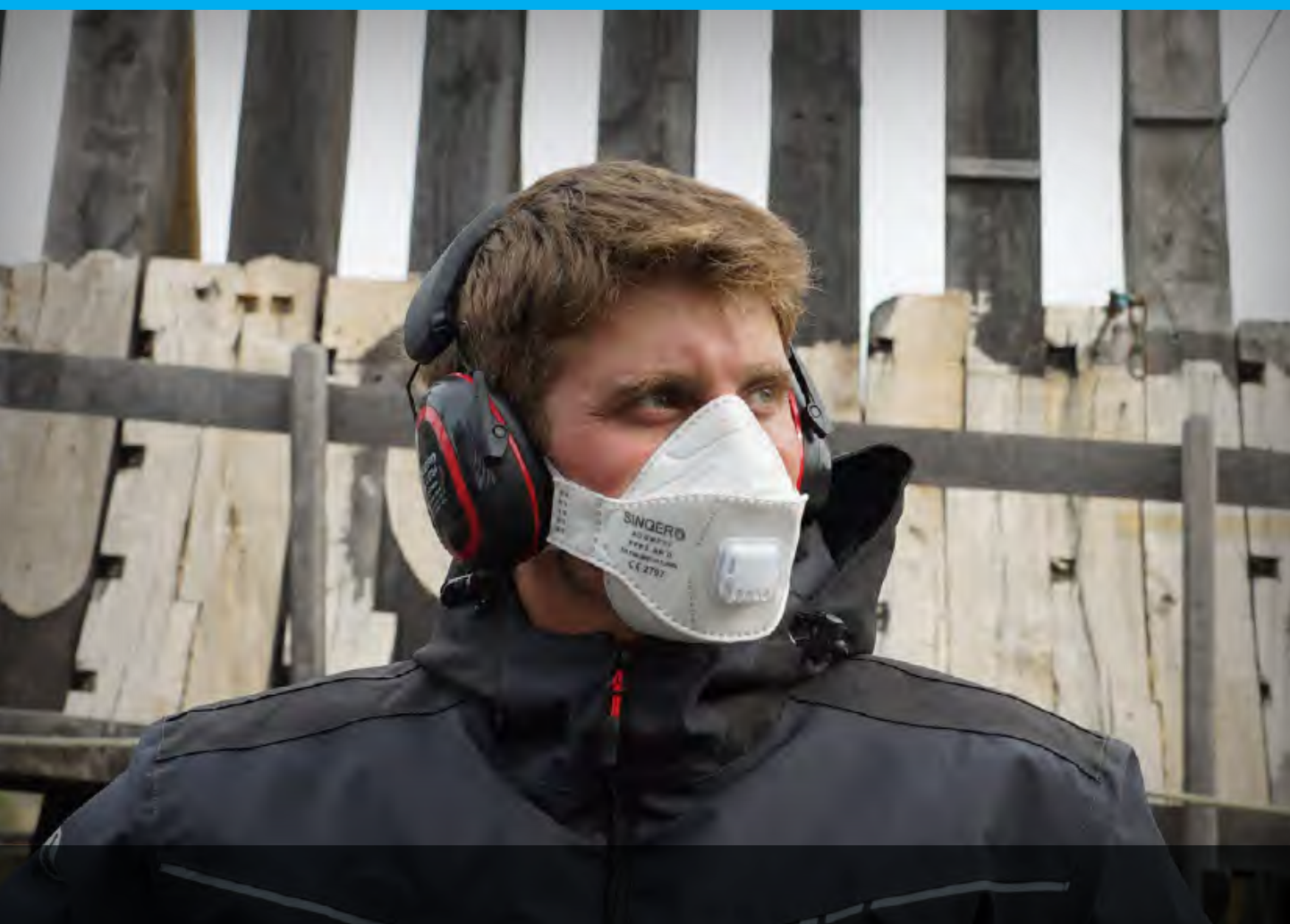
EN 14387



760A1: 6x1

760ABEK1: 4x1





### AUUMP3V

Foldable half-mask (horizontal fold). Material: polypropylene non-woven.  
3 panels design. Sliding elastic band. Adjustable, invisible, metal nosepiece.  
With exhalation valve. Without latex. Without staples.  
Individually hygienically packed. Box of 20 pieces.

EN 149 (FFP3 NR D)



**SINGER**



### AUUMP2V

Foldable half-mask (horizontal fold). Material: polypropylene non-woven.  
3 panels design. Sliding elastic band. Adjustable, invisible, metal nosepiece.  
With exhalation valve. Without latex. Without staples.  
Individually hygienically packed. Box of 20 pieces.

EN 149 (FFP2 NR D)



**SINGER**





### AUUMP300VSL

Foldable half-mask (horizontal fold).

Material: polypropylene non-woven. Sliding elastic band.

Adjustable metal nosepiece, covered with plastic. With exhalation valve.

Without latex. Without staples. Individually hygienically packed. Box of 20 pieces.

EN 149 (FFP3 NR D)



**SINGER**



### AUUMP200VSL

Foldable half-mask (horizontal fold).

Material: polypropylene non-woven. Sliding elastic band.

Adjustable metal nosepiece, covered with plastic. With exhalation valve.

Without latex. Without staples. Individually hygienically packed. Box of 20 pieces.

EN 149 (FFP2 NR D)



**SINGER**



### AUUMP33V

Foldable half-mask (vertical fold). Material: polypropylene non-woven. Sliding elastic band.

Adjustable straps. Invisible adjustable metal nosepiece. With exhalation valve.

Without latex. Without staples. Individually hygienically packed. Box of 20 pieces.

EN 149 (FFP3 NR)



**SINGER**



### AUUMP32V

Foldable half-mask (vertical fold). Material: polypropylene non-woven. Sliding elastic band.

Adjustable straps. Invisible adjustable metal nosepiece. With exhalation valve.

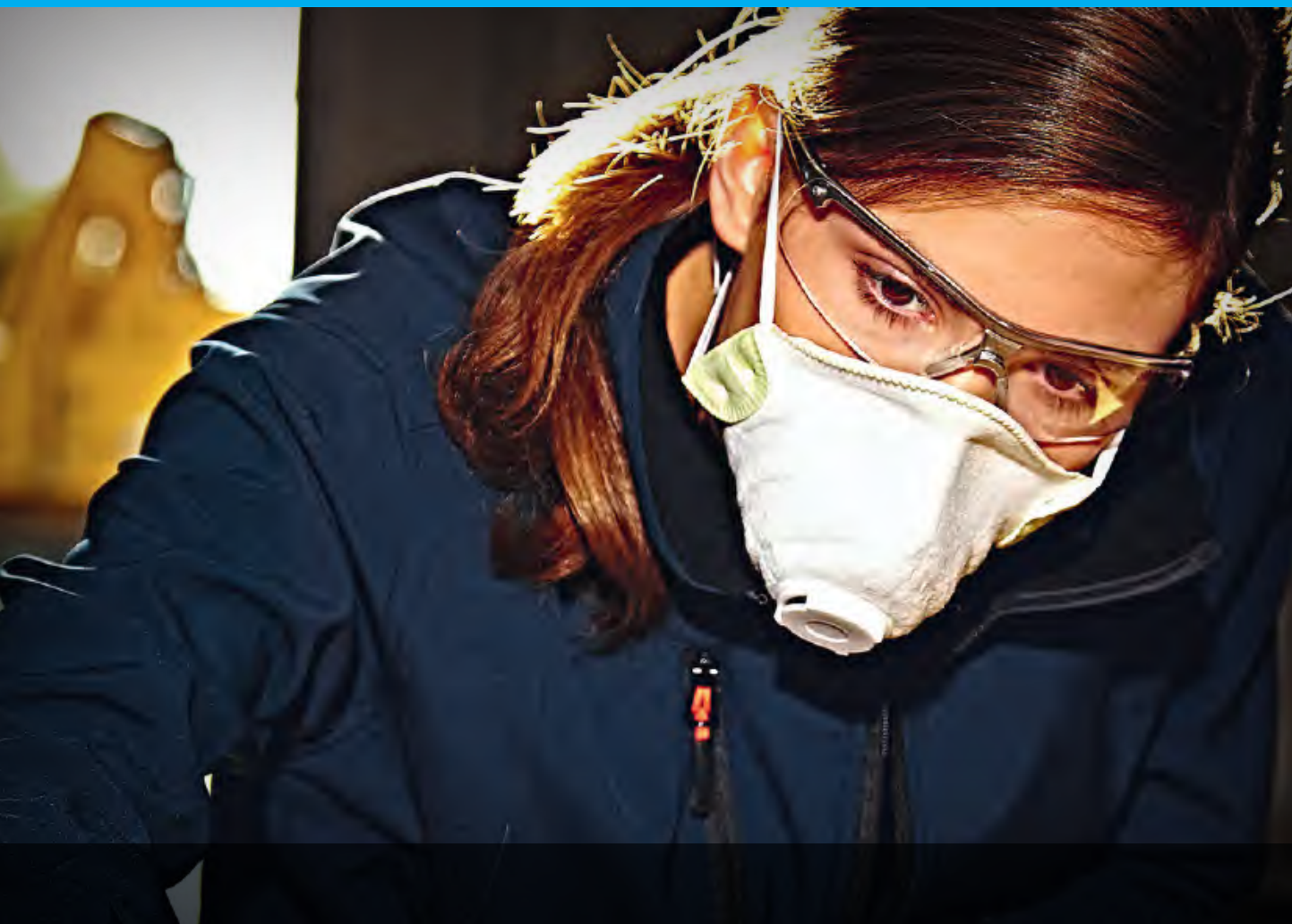
Without latex. Without staples. Individually hygienically packed. Box of 20 pieces.

EN 149 (FFP2 NR)



**SINGER**





### AUUM23V

Pre-shaped half-mask. Material: polypropylene non-woven.

Lining: polypropylene. Sliding elastic band.

Adjustable straps. With exhalation valve. Without latex. Without staples. Box of 10 pieces.

EN 149 (FFP3 NR D)



x12

**SINGER** 



### AUUM22V

Pre-shaped half-mask. Material: polypropylene non-woven.

Lining: polypropylene. Sliding elastic band.

Adjustable straps. With exhalation valve. Without latex. Without staples. Box of 10 pieces.

EN 149 (FFP2 NR D)



x12

**SINGER** 





**AUUM30VSL**

Pre-shaped half-mask. Material: polypropylene non-woven.  
Foam face seal. Double elastic band. Adjustable straps.  
Adjustable metal nosepiece. With exhalation valve. Box of 5 pieces.  
EN 149 (FFP3 NR D)

**SINGER**



**AUUM20VSL**

Pre-shaped half-mask. Material: polypropylene non-woven. Double elastic band. Adjustable metal nosepiece. With exhalation valve. Without latex. Box of 10 pieces.

EN 149 (FFP2 NR D)

**SINGER****AUUM20SL**

Pre-shaped half-mask. Material: polypropylene non-woven. Double elastic band. Adjustable metal nosepiece. Without latex. Box of 20 pieces.

EN 149 (FFP2 NR D)

**SINGER****AUUM10VSL**

Pre-shaped half-mask. Material: polypropylene non-woven. Double elastic band. Adjustable metal nosepiece. With exhalation valve. Without latex. Box of 10 pieces.

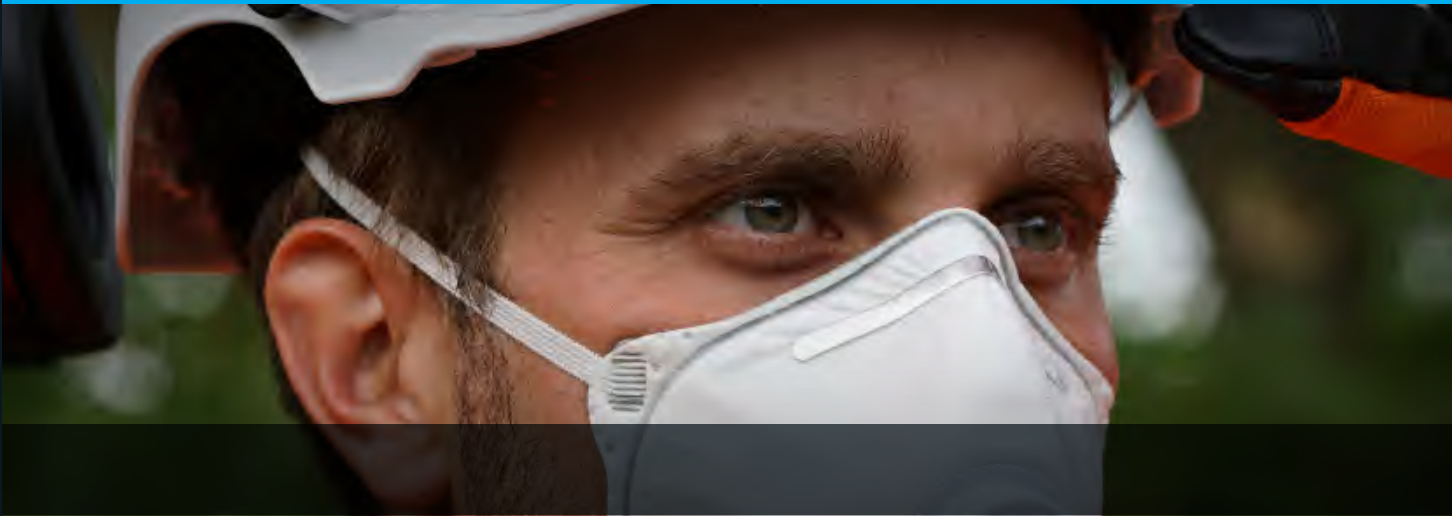
EN 149 (FFP1 NR D)

**SINGER****AUUM10SL**

Pre-shaped half-mask. Material: polypropylene non-woven. Double elastic band. Adjustable metal nosepiece. Without latex. Box of 20 pieces.

EN 149 (FFP1 NR D)

**SINGER**



### AUUMC30V

Pre-shaped half-mask. Material: polypropylene non-woven. Foam face seal. Double elastic band. Adjustable metal nosepiece. With exhalation valve. Without latex. Without staples. Box of 10 pieces.

EN 149 (FFP3 NR)



**SINGER**



### AUUMC20V

Pre-shaped half-mask. Material: polypropylene non-woven. Double elastic band. Adjustable metal nosepiece. With exhalation valve. Without latex. Without staples. Box of 10 pieces.

EN 149 (FFP2 NR)



**SINGER**



### AUUMC10

Pre-shaped half-mask. Material: polypropylene non-woven. Double elastic band. Adjustable metal nosepiece. Without latex. Without staples. Box of 20 pieces.

EN 149 (FFP1 NR)



**SINGER**





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### STANDARDS

|          |                                                                       |
|----------|-----------------------------------------------------------------------|
| EN 136   | Respiratory protective devices: full face masks.                      |
| EN 140   | Respiratory protective devices: half-masks and quarter-masks.         |
| EN 143   | Respiratory protective devices: filters against particles.            |
| EN 14387 | Respiratory protective devices: gas filters and combined filters.     |
| EN 149   | Protection respirator devices: filtering half-mask against particles. |

### EN 14387 - FILTER TYPE

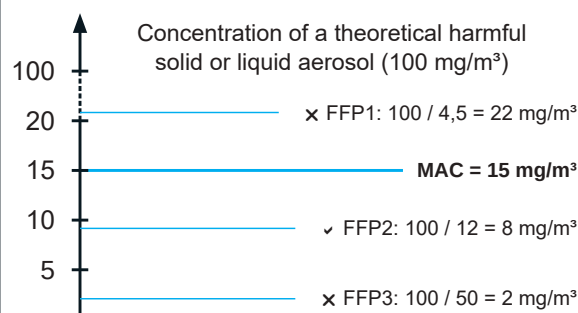
|               |                                                                                                      |
|---------------|------------------------------------------------------------------------------------------------------|
| A<br>(Brown)  | Against gas and organic vapours with a boiling point superior to 65°C specified by the manufacturer. |
| B<br>(Grey)   | Against certain gas and inorganic vapours specified by the manufacturer.                             |
| E<br>(Yellow) | Against sulphur dioxide, other gas, acid and vapours specified by the manufacturer                   |
| K<br>(Green)  | Against ammonia and organic derivatives of ammonia.                                                  |

### EN 143 - FILTER CLASS

|                                                  |                 |
|--------------------------------------------------|-----------------|
| P1                                               | Small capacity  |
| P2                                               | Medium capacity |
| P3                                               | Large capacity  |
| Classes are listed after the type of environment |                 |

### EN 149 - FIELD OF USE

|      |                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| FFP1 | Protection against non toxic solid and liquid aerosols.<br>Concentrations: up to 4,5 x MAC or 4 x APF.                                            |
| FFP2 | Protection against non toxic and low-to-average toxicity solid and liquid aerosols.<br>Concentrations: up to 12 x MAC or 10 x APF.                |
| FFP3 | Protection against non-toxic, low-to-average toxicity and high toxicity solid and liquid aerosols.<br>Concentrations: up to 50 x MAC or 20 x APF. |



In this situation, FFP2 mask is the most suitable. FFP1 mask doesn't provide enough protection while the FFP3 mask overprotects the user.

MAC = Maximum Admissible Concentration.  
This is the limit value of a gas or a dust (in ppm or mg/m<sup>3</sup>) that a person can be exposed during a working day (8h/day) throughout all his professional life, without risk for his health.  
APF = Assigned Protection Factor..

### USE DURATION

|    |                                                                                                                                                             |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NR | Solo use                                                                                                                                                    |
| R  | Reusable (more than one working day)                                                                                                                        |
| D  | Improved breathing capacity and lifetime (clogging test with dolomite dust)<br>Low increase of respiratory resistance when the filter is loaded in particle |











HEAVY HANDLING, DAMP ENVIRONMENT



HEAVY HANDLING, DRY ENVIRONMENT



FINE HANDLING, DAMP ENVIRONMENT



FINE HANDLING, DRY ENVIRONMENT



PROTECTION AGAINST BURNING



PROTECTION AGAINST HEAT



CHEMICAL PROTECTION



PROTECTION AGAINST CUT



PROTECTION AGAINST COLD



ELECTRICAL PROTECTION



PROTECTION AGAINST VIBRATIONS



PROTECTION AGAINST MOLDING  
AND MICROBIAL ATTACKS.  
PROVIDES A LONGER LIFESPAN.



FABRIC WITHOUT  
HARMFUL SUBSTANCE TO HEALTH.



SCREENTOUCH GLOVES.



THE REFERENCE EXISTS WITH  
HEADCARD (OPTIONAL) = C + REFERENCE



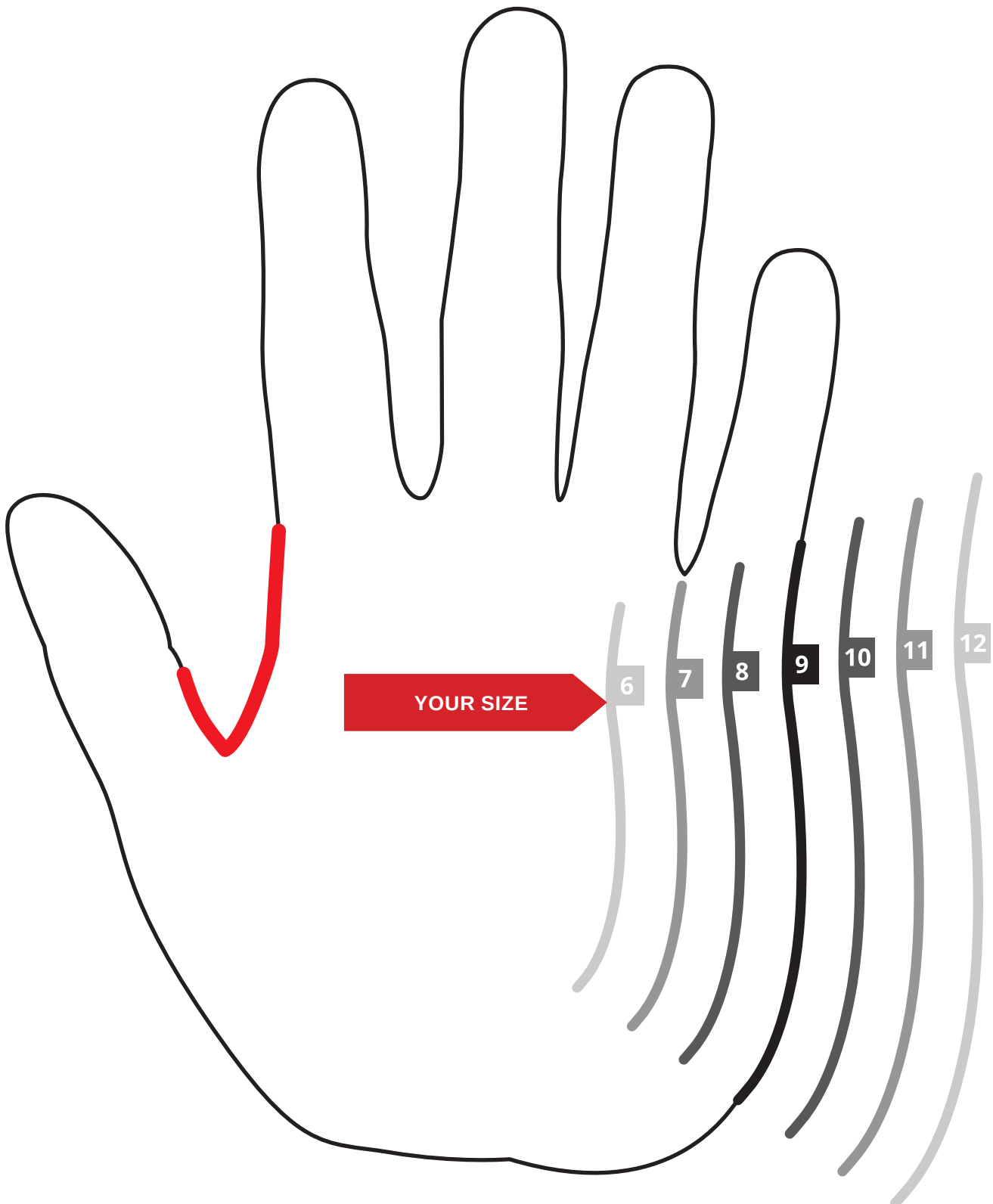
THE REFERENCE CAN BE HANGING  
IN YOUR SHOP (INCLUDED).





To find out **your glove size**,  
put your right hand on this drawing.

These measurements are giving as an indication (depending on the glove model and the shape of each hand, the size may change).





## LAT157

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping. Double coating.

First layer: smooth latex, fully coated.

Second layer: sandy latex foam, coated on palm. Colour: black and grey.



2.1.3.1.X



10x10



8→11



SINGER



## TAC20BL

Protective gloves. Liner: polyester, seamless knitted. Gauge: 10.

Wrist: elastic knit with piping. Coating: crinkle latex, ¾ coated. Colour: blue.



2.1.4.2.X



10x10



8→10



SINGER



## LAT426IG

Protective gloves. Liner: cotton, cut/sewn. Wrist: elastic knit.

Coating: crinkle latex, ¾ coated. Colour: natural and green.



2.1.3.1.A



X.1.X.X.X.X



10x10



7→10



SINGER





Compliance with the social criteria of the entire sector according to the International Labour Organization.



Environmental requirements from spinning to the marketing



No chemical components prohibited according to the foundation «Zero discharge of Hazardous Chemical»



Certified by Ecocert Greenlife License No. 264352



Certification according to the «Content Claim Standard» at all stages of gloves manufacturing



Use of the recycled material



## RCY15NIT

Protective gloves. Liner: recycled polyester and elastane, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping.

Coating: nitrile foam, coated on palm. Colour: white and grey.



4.1.2.1.X

Certified by Ecocert Greenlife.  
Licence no. EGL 264352.  
52% recycled polyester.



10x10



7→11



SINGER







DOUBLE  
COATING

### GRIP157

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 15.  
Wrist: elastic knit with piping.  
Double coating. First layer: smooth nitrile, fully coated.  
Second layer: sandy nitrile, coated on palm. Colour: black and grey.



4.1.2.1.X



10x10



7→11



SINGER



DOUBLE  
COATING

### GRIP134

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 15.  
Wrist: elastic knit with piping.  
Double coating. First layer: smooth nitrile, ¾ coated.  
Second layer: sandy nitrile, coated on palm. Colour: black and grey.



4.1.2.1.X



10x10



7→11



SINGER



DOUBLE  
COATING

### GRIP100

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 15.  
Wrist: elastic knit with piping.  
Double coating. First layer: smooth nitrile, coated on palm.  
Second layer: sandy nitrile, coated on palm. Colour: black and grey.



4.1.2.1.X



10x10



7→11



SINGER





### NYMFIT03

Protective gloves. Liner: polyamide and elastane, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping.

Coating: nitrile foam, coated on palm. Colour: black and grey.



4.1.3.1.A



X.1.X.X.X.X



10x10



7→11



SINGER





[ WITH DOTS ]

### NYMFIT02

Protective gloves. Liner: polyamide and elastane, seamless knitted. Gauge: 15.  
Wrist: elastic knit with piping. Coating: nitrile foam, fully coated.  
Dots: nitrile, on palm. Colour: black and grey.



4.1.3.1.A



X.1.X.X.X.X



10x10



7→11



SINGER



[ WITH DOTS ]

### NYMFIT01

Protective gloves. Liner: polyamide and elastane, seamless knitted. Gauge: 15.  
Wrist: elastic knit with piping. Coating: nitrile foam, ¾ coated.  
Dots: nitrile, on palm. Colour: black and grey.



4.1.3.1.A



X.1.X.X.X.X



10x10



6→10



SINGER



[ WITH DOTS ]

### NYMFIT00

Protective gloves. Liner: polyamide and elastane, seamless knitted. Gauge: 15.  
Wrist: elastic knit with piping. Coating: nitrile foam, coated on palm.  
Dots: nitrile, on palm. Colour: black and grey.



4.1.3.1.A



X.1.X.X.X.X



10x10



7→11



SINGER





### PER200

Protective gloves. Liner: polyester and elastane, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping.

Coating: nitrile foam, coated on palm. Colour: black and blue.



4.1.2.1X



10x10



6→11



**SINGER**





### PER157

Protective gloves. Liner: polyester and elastane, seamless knitted. Gauge: 15.  
Wrist: elastic knit with piping. Coating: nitrile foam, fully coated.  
Dots: nitrile, on palm. Colour: black and blue.



4.1.2.1.X



10x10



8→11



SINGER



### PER134

Protective gloves. Liner: polyester and elastane, seamless knitted. Gauge: 15.  
Wrist: elastic knit with piping. Coating: nitrile foam, ¾ coated.  
Dots: nitrile, on palm. Colour: black and blue.



4.1.2.1.X



10x10



8→11



SINGER



### PER100

Protective gloves. Liner: polyester and elastane, seamless knitted. Gauge: 15.  
Wrist: elastic knit with piping. Coating: nitrile foam, coated on palm.  
Dots: nitrile, on palm. Colour: black and blue.



4.1.2.1.X



10x10



6→11



SINGER





### NYMFOR03

Protective gloves. Liner: polyamide and elastane, seamless knitted. Gauge: 15.

Wrist: elastic knit with piping. Coating: nitrile foam, coated on palm.

Reinforcement patch: nitrile, between thumb and forefinger.

Colour: black and grey.



4.1.3.1.X



X.1.X.X.X.X



10x10



6→11



**SINGER**



### PER13NIF

Protective gloves.

Liner: polyester, seamless knitted. Gauge: 13. Wrist: elastic knit with piping.

Coating: sandy nitrile, coated on palm. Colour: black and red.



4.1.3.1.X



X.1.X.X.X.X



10x10



6→11



**SINGER**



### NYM73NIG

Protective gloves.

Liner: polyester, seamless knitted. Gauge: 13. Wrist: elastic knit with piping.

Coating: smooth nitrile, coated on palm. Colour: white and grey.



4.1.2.1.X



X.1.X.X.X.X



10x10



7→10



**Prosur**





### NYM157NB

Protective gloves. Liner: polyester, seamless knitted. Gauge: 15.  
Wrist: elastic knit with piping. Coating: smooth nitrile, fully coated. Colour: black.



4.1.2.1.X



10x10



6→11



SINGER



### NYM334NIB

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 13.  
Wrist: elastic knit with piping. Coating: smooth nitrile, ¾ coated. Colour: black.



4.1.2.1.X



X.1.X.X.X.X



10x10



7→11



SINGER



### NYM313NIB

Protective gloves. Liner: polyamide, seamless knitted.  
Gauge: 13. Wrist: elastic knit with piping.  
Coating: smooth nitrile, coated on palm. Colour: black.



4.1.2.1.X



X.1.X.X.X.X



10x10



7→11



SINGER





## PER137NIB

Protective gloves.

Liner: polyester, seamless knitted. Gauge: 13. Wrist: elastic knit with piping.

Coating: smooth nitrile, fully coated. Colour: black and grey.



4.1.2.1.X



X.1.X.X.X.X



10x10



7→11



SINGER



## PER134NIB

Protective gloves.

Liner: polyester, seamless knitted. Gauge: 13. Wrist: elastic knit with piping.

Coating: smooth nitrile, ¾ coated. Colour: black and grey.



4.1.2.1.X



X.1.X.X.X.X



10x10



7→11



SINGER



## PER13NIB

Protective gloves.

Liner: polyester, seamless knitted. Gauge: 13. Wrist: elastic knit with piping.

Coating: smooth nitrile, coated on palm. Colour: black and grey.



4.1.2.1.X



X.1.X.X.X.X



10x10



6→11



SINGER







[ HEAVY  
COATING ]

### NBR327T

Protective gloves. Liner: cotton (brushed jersey), cut/sewn. Cuff: canvas, 7 cm.  
Coating: smooth nitrile, fully coated. Colour: natural and blue.



4.1.2.1.B



X.1.X.X.X.X



10x10



9→10



**SINGER**



[ HEAVY  
COATING ]

### NBR327

Protective gloves. Liner: cotton (brushed jersey), cut/sewn. Wrist: elastic knit.  
Coating: smooth nitrile, fully coated. Colour: natural and blue.



4.1.2.1.B



X.1.X.X.X.X



10x10



8→10



**SINGER**



[ HEAVY  
COATING ]

### NBR1327

Protective gloves. Liner: cotton (brushed jersey), cut/sewn. Wrist: elastic knit.  
Coating: smooth nitrile, fully coated. Colour: natural and blue.



4.1.1.1.X



10x10



8→10



**PROSUR**





[ HEAVY  
COATING ]

### NBR326T

Protective gloves. Liner: cotton (brushed jersey), cut/sewn. Cuff: canvas, 7 cm.  
Coating: smooth nitrile, ¾ coated. Colour: natural and blue.



4.1.2.1.B



X.1.X.X.X.X



10x10



9→10



SINGER



[ HEAVY  
COATING ]

### NBR326

Protective gloves. Liner: cotton (brushed jersey), cut/sewn. Wrist: elastic knit.  
Coating: smooth nitrile, ¾ coated. Colour: natural and blue.



4.1.2.1.B



X.1.X.X.X.X



10x10



8→10



SINGER



[ HEAVY  
COATING ]

### NBR1326

Protective gloves. Liner: cotton (brushed jersey), cut/sewn. Wrist: elastic knit.  
Coating: smooth nitrile, ¾ coated. Colour: natural and blue.



4.1.1.1.X



10x10



8→10



Prosur





[ LIGHT  
COATING ]

### NBR227

Protective gloves. Liner: cotton (interlock), cut/sewn. Wrist: elastic knit.  
Coating: smooth nitrile, fully coated. Colour: natural and blue.



3.1.1.1.X



10x10



7→10



**SINGER**



[ LIGHT  
COATING ]

### NBR226

Protective gloves. Liner: cotton (interlock), cut/sewn. Wrist: elastic knit.  
Coating: smooth nitrile, ¾ coated. Colour: natural and blue.



3.1.1.1.X



10x10



7→10



**SINGER**



[ ULTRA-LIGHT  
COATING ]

### NBR1126B

Protective gloves. Liner: cotton (interlock), cut/sewn. Wrist: elastic knit.  
Coating: smooth nitrile, ¾ coated. Colour: natural and blue.



3.1.1.1.X



10x10



7→10



**Prosur**





**[ ULTRA-LIGHT  
COATING ]**

### NBR126

Protective gloves. Liner: cotton (interlock), cut/sewn. Wrist: elastic knit.  
Coating: smooth nitrile, ¾ coated. Colour: natural and orange.



2.1.1.1.X



10x10



7→10



**SINGER**



**[ ULTRA-LIGHT  
COATING ]**

### NBR1126J

Protective gloves. Liner: cotton (interlock), cut/sewn. Wrist: elastic knit.  
Coating: smooth nitrile, ¾ coated. Colour: natural and yellow.



3.1.1.1.X



10x10

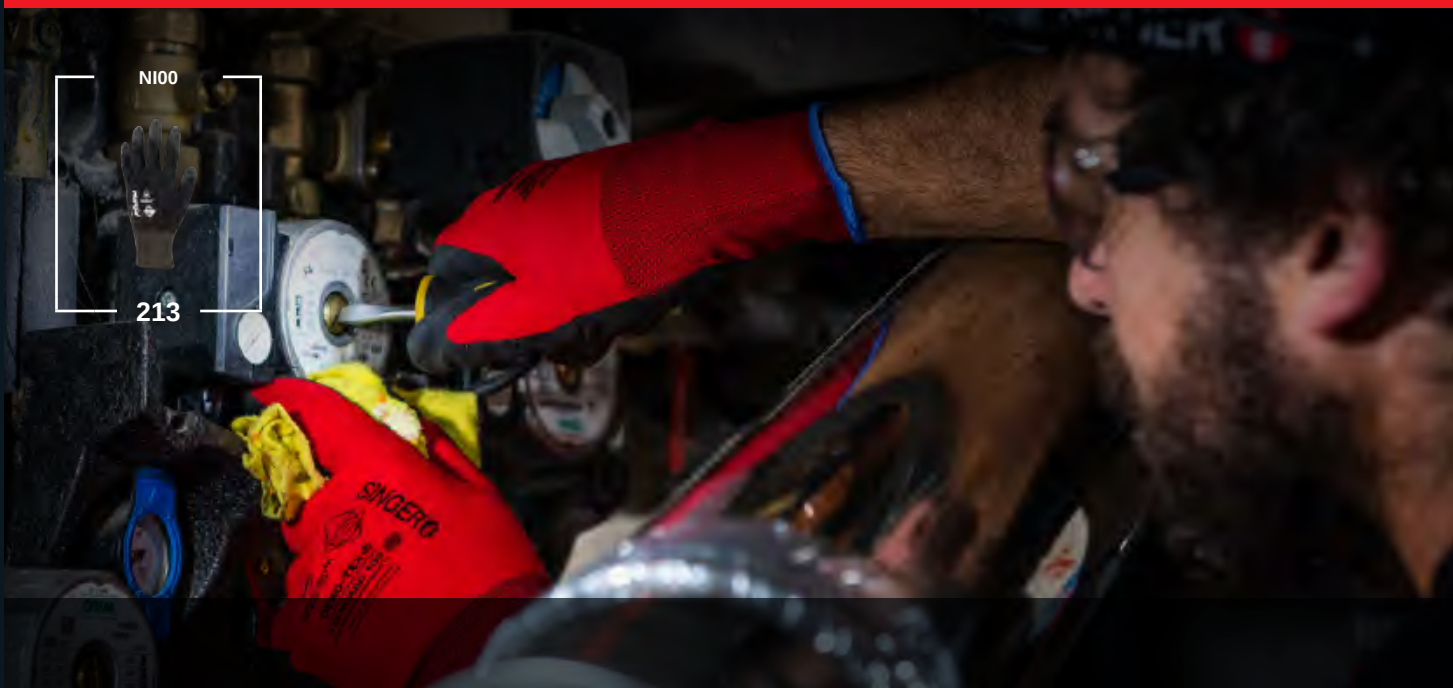


7→10



**Prosur**





### NYMR15CFTN

Protective gloves.

Liner: polyamide with water repellent treatment, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping.

Coating: HPT™, coated on palm. Colour: black and red.



3.1.3.1.X



10x10



7→12



SINGER



### NYMV15CFTN

Protective gloves.

Liner: polyamide with water repellent treatment, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping.

Coating: HPT™, coated on palm. Colour: black and green.



3.1.3.1.X



10x10

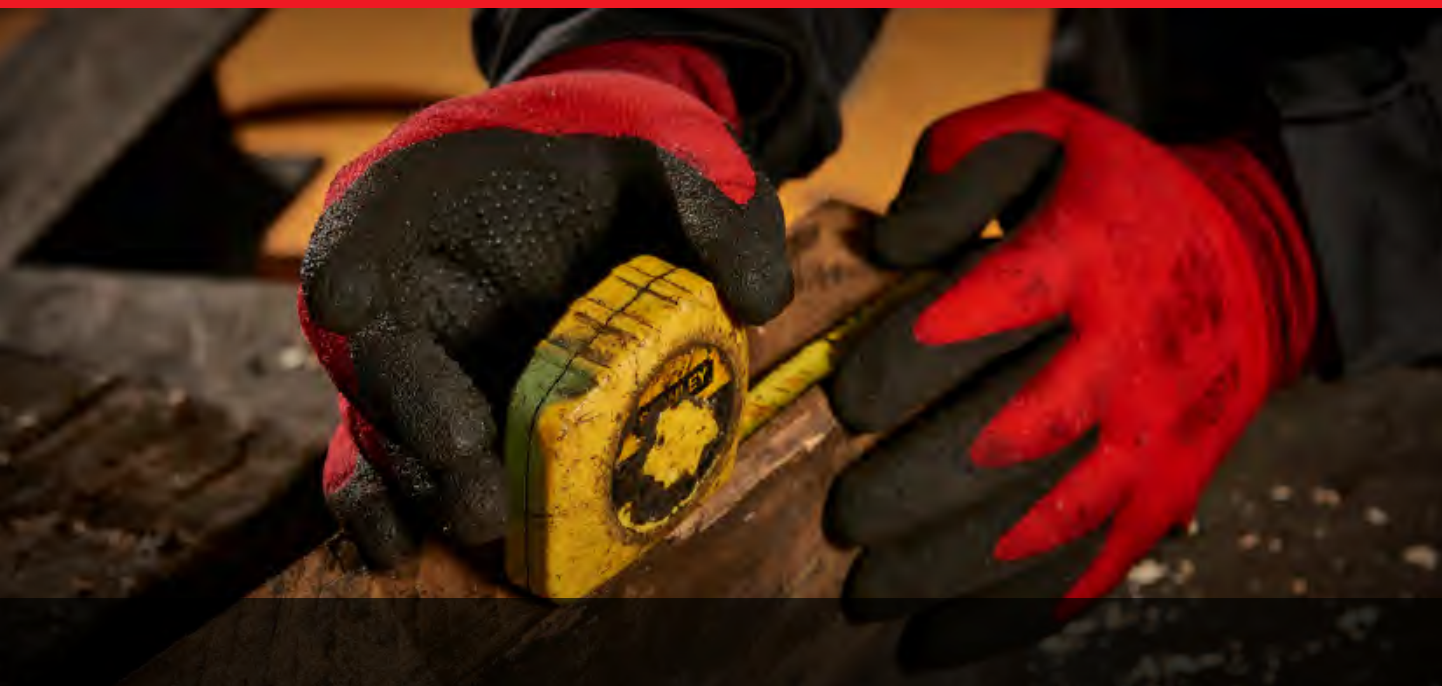


8→10



SINGER





[ WITH DOTS ]

### NYMR15D

Protective gloves.

Liner: polyamide with water repellent treatment, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping. Coating: HPT™, coated on palm.

Dots: PVC, on palm. Colour: black and red.



3.1.3.1.X



10x10



8→10



SINGER



### N10

Protective gloves.

Liner: polyamide with water repellent treatment, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping.

Coating: HPT™, ¾ coated. Colour: black.



3.1.3.1.X



10x10



7→10



NINJA





### PVC35

Protective gloves. Liner: cotton (interlock), cut/sewn. Cuff: straight edge. Length: 350 mm\*. Coating: smooth PVC, fully coated. Colour: red.



3.1.2.1.X



X.1.X.X.X.X



10x10



9→10


**SINGER**

(\*) Average values





SEWN WITH  
KEVLAR®

## CORDIS

Protective gloves. Palm: goat grain leather, water-repellent.  
Back: 100% polyester, with magnet sewn.  
Wrist: 100% neoprene, with self grip fastening.  
Reinforcement patch: leather, stitched on fingers and on palm.  
Colour: yellow and black.



2.1.2.3.X



X.1.X.X.X.X



10x5



8→11



SINGER



**WATER-  
REPELLENT**

### 50GHB

Protective gloves. Palm: cow grain leather, water-repellent.

Back: cow grain leather, water-repellent.

Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately.

Shirred elastic back. Colour: beige.



2.1.2.1.X



10x10



8→11



**SINGER**



**WATER-  
REPELLENT**

### 50GHBBC

Protective gloves. Palm: cow grain leather, water-repellent.

Back: cow grain leather, water-repellent.

Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately.

Wrist: elastic knit with vein patch protection. Colour: natural and beige.



2.1.2.1.X



10x10



8→11



**SINGER**



**WATER-  
REPELLENT**

**SOFTNESS  
AND RESISTANCE**

### CHV114HB

Protective gloves. Palm: goat grain leather, water-repellent.

Back: goat grain leather, water-repellent.

Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately.

Wrist: elastic knit with vein patch protection. Colour: natural and beige.



2.0.2.1.X



10x10

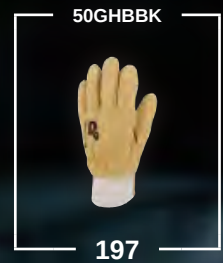


8→11



**SINGER**













[ FINE WORK ]

**NYM15LG**

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 15.

Wrist: elastic knit with piping.

Coating: crinkle latex, coated on palm. Colour: grey and red.



2.1.3.1.X



10x10



8→11

**SINGER** 

[ FINE WORK ]

**NYM73LN**

Protective gloves. Liner: polyester, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

Coating: crinkle latex, coated on palm. Colour: black.



2.1.3.1.X



10x10



9→11

**Prosur** 

[ FINE WORK ]

**PER73LAT**

Protective gloves. Liner: polyester, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

Coating: crinkle latex, coated on palm. Colour: black and red.



2.1.3.1.X



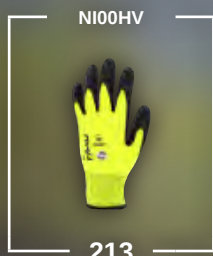
10x10



6→11

**Prosur**





NI00HV

213



[ HIGH VISIBILITY ]

## NYM15HVG

Protective gloves. Liner: polyester, seamless knitted. Gauge: 15.

Wrist: elastic knit with piping.

Coating: crinkle latex, coated on palm. Colour: black and yellow.



2.1.3.1.X



10x10



8→10



SINGER



[ HIGH VISIBILITY ]

## NYM73HVN

Protective gloves. Liner: polyester, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

Coating: crinkle latex, coated on palm. Colour: black and yellow.



2.1.3.1.X



10x10



8→11



Prosur





## TAC1025V

Protective gloves.

Liner: polyester, seamless knitted. Gauge: 10. Wrist: elastic knit with piping.

Coating: crinkle latex, coated on palm. Colour: green and yellow.



2.1.4.2.X



X.1.X.X.X.X



10x10



8→10



SINGER



## TAC1025O

Protective gloves.

Liner: polyester, seamless knitted. Gauge: 10. Wrist: elastic knit with piping.

Coating: crinkle latex, coated on palm. Colour: orange and yellow.



2.1.4.2.X



X.1.X.X.X.X



10x10



8→11



SINGER



## TAC10BL

Protective gloves. Liner: polyester, seamless knitted. Gauge: 10.

Wrist: elastic knit with piping. Coating: crinkle latex, coated on palm. Colour: blue.



2.1.4.2.X



10x10



7→11



SINGER



## NYM13LAT

Protective gloves. Liner: polyester, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

Coating: latex foam, coated on palm. Colour: black and red.



2.1.3.1.X



10x10

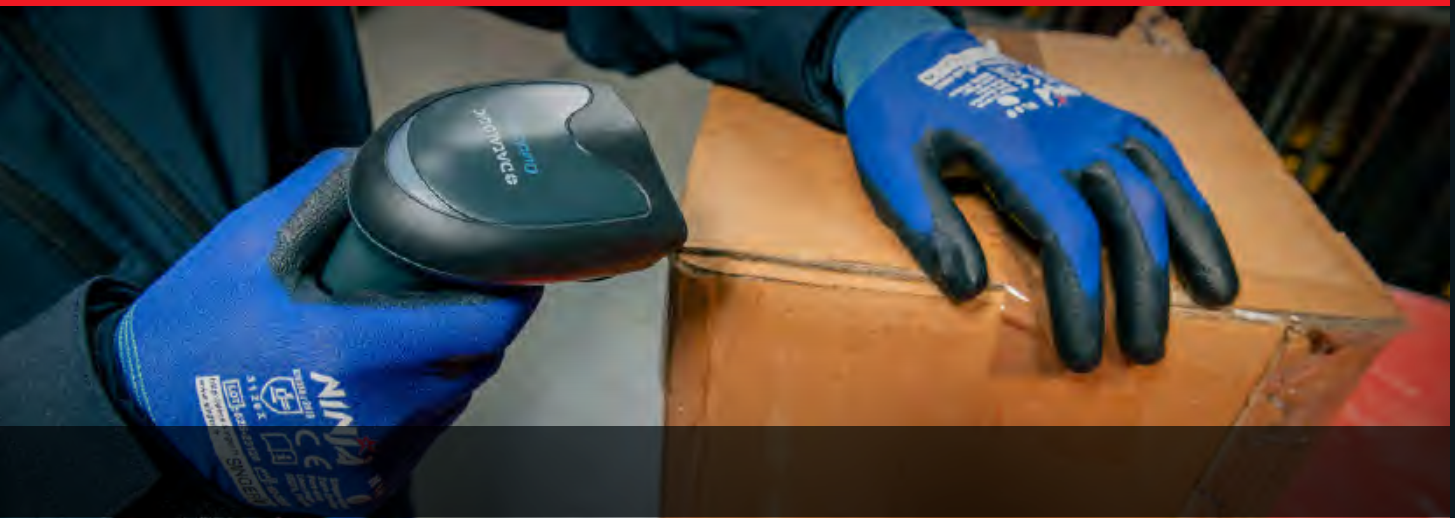


7→11



SINGER





### NL10

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 18.

Wrist: elastic knit with piping.

Coating: polyurethane, ¾ coated. Colour: black and blue.



3.1.2.1.X



10x10



9→11



**NINJA**



### NL00

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 18.

Wrist: elastic knit with piping.

Coating: polyurethane, coated on palm. Colour: black and blue.



3.1.2.1.X



10x10



7→10



**NINJA**



### NYM18PUB

Protective gloves. Liner: polyamide and elastane, seamless knitted. Gauge: 18.

Wrist: elastic knit. Coating: polyurethane, coated on palm. Colour: blue and black.



2.1.2.1.X



30x10



6→11



**SINGER**





### NYM15PUG

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 15.

Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: grey.



3.1.3.1.X



10x10



6-11



**SINGER**



### NYM313PUG

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: grey.



3.1.3.1.X



10x10



7-11



**SINGER**





### NYM713PUG

Protective gloves. Liner: polyester, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: grey.



3.1.2.1.X



Prosur



### NYM713PUB

Protective gloves. Liner: polyester, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: black.



3.1.2.1.X



Prosur



### NYM713PU

Protective gloves. Liner: polyester, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: white.



3.1.2.1.X



Prosur



### NYM13F

Protective gloves. Liner: polyester, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping. Coating: polyurethane, coated on fingers tips. Colour: white.



0.1.3.X.X



SINGER





ANTISTATIC  
GLOVES

### NYM13AS

Protective gloves. Liner: polyester and carbon, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

Coating: polyurethane, coated on palm. Colour: white.



2.1.3.1.X



EN 16350 - Electrostatic characteristic:  
« Vertical resistance:  $R_v < 1.0 \times 10^9 \Omega$  »



10x10



7→11



SINGERO





56GY

Protective gloves. Palm: cow grain leather. Back: cow grain leather. Gunn cut pattern. Wing thumb. One piece forefinger. Middle and ring fingers sewn separately. Shirred elastic back. Wrist: with piping. Colour: yellow.



2.1.1.1.X



X.1.X.X.X.X



10x10



8→11



SINGER



56GN

Protective gloves. Palm: cow grain leather. Back: cow grain leather. Gunn cut pattern. Wing thumb. One piece forefinger. Middle and ring fingers sewn separately. Shirred elastic back. Wrist: with piping. Colour: natural grey.



2.1.2.1.X



X.1.X.X.X.X



10x10



8→11



SINGER



50EFBBC

Protective gloves. Palm: cow grain leather. Back: cow grain leather. Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately. Wrist: elastic knit with vein patch protection. Colour: natural and beige.



2.1.1.1.X



X.1.X.X.X.X



10x10



8→11



SINGER





SEWN WITH  
ARAMID YARN

### 50FKV

Protective gloves. Palm: cow grain leather. Back: cow grain leather. Sewn with aramid yarn. Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately. Shirred elastic back. Wrist: with piping. Colour: natural grey.



2.1.2.1.X



X.1.X.X.X.X

10x10

8→11



SINGER



AVAILABLE IN  
VERY LARGE SIZES

### 50F Sizes: 7 to 11.

### 50F00 Sizes: 12 to 14.

Protective gloves. Palm: cow grain leather. Back: cow grain leather. Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately. Shirred elastic back. Wrist: with piping. Colour: natural grey.



2.1.2.1.X



X.1.X.X.X.X

10x10



Prosur



### 50FC

Protective gloves. Palm: cow grain leather. Back: cow split leather. Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately. Shirred elastic back. Wrist: with piping. Colour: natural grey.



2.1.2.1.X



X.1.X.X.X.X

10x10

8→11



Prosur



### 56S00

Protective gloves. Palm: cow split leather. Back: cow split leather. Gunn cut pattern. Wing thumb. One piece forefinger. Middle and ring fingers sewn separately. Shirred elastic back. Wrist: with piping. Colour: natural grey.



2.1.2.2.X



X.1.X.X.X.X

10x10

9→10



SINGER





FINENESS AND  
ERGONOMICS

### AGN102

Protective gloves.

Palm: sheep grain leather. Back: sheep grain leather. «Fourchettes» pattern.

Thumb sewn separately. Shirred elastic back. Colour: natural grey.



10x10



7→10



SINGER



SOFTNESS  
AND RESISTANCE

### CHV114

Protective gloves. Palm: goat grain leather. Back: goat grain leather.

Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately.

Wrist: elastic knit with vein patch protection. Colour: natural grey.



2.1.2.1.X



10x10



7→11



SINGER



### CHV56IR

Protective gloves. Palm: goat grain leather.

Back: cotton (interlock), with leather fingertips. Gunn cut pattern. Wing thumb.

One piece forefinger. Middle and ring fingers sewn separately.

Shirred elastic back. Colour: natural grey and red.



2.X.2.1.X



10x10



6→11



SINGER





501NR

Protective gloves.

Palm: cow grain leather, cotton lined with grain leather reinforcement.

Back: cotton (canvas) with leather fingertips and knuckle patch reinforcement.

Gunn cut pattern. Wing thumb. One piece forefinger.

Middle and ring fingers sewn separately. Shirred elastic back.

Cuff: cotton (rubberized) with piping. Colour: natural grey and blue.



2.1.3.2.X



X.1.X.X.X.X



5x10



10



SINGER



501N

Protective gloves. Palm: cow grain leather, cotton lined.

Back: cotton (canvas), with leather fingertips and knuckle patch reinforcement.

Gunn cut pattern. Wing thumb. One piece forefinger.

Middle and ring fingers sewn separately. Shirred elastic back.

Cuff: cotton (rubberized) with piping. Colour: natural grey and blue.



2.1.3.2.X



X.1.X.X.X.X



5x10



10



SINGER





## 501S

Protective gloves. Palm: cow split leather, cotton lined.  
 Back: cotton (canvas), with leather fingertips and knuckle patch reinforcement.  
 Gunn cut pattern. Wing thumb. One piece forefinger.  
 Middle and ring fingers sewn separately. Shirred elastic back.  
 Cuff: cotton (rubberized) with piping. Colour: natural grey and blue.



3.1.2.2.X



5x10



10



SINGER



## 501SGRSVJ

Protective gloves. Palm: cow split leather, cotton lined with split leather reinforcement (palm/thumb/forefinger).  
 Back: cotton (canvas), with leather fingertips and knuckle patch reinforcement.  
 Gunn cut pattern. Wing thumb. One piece forefinger.  
 Middle and ring fingers sewn separately. Shirred elastic back.  
 Cuff: cotton (rubberized) with piping. Colour: natural grey and green.



3.1.2.2.X



5x10



10



SINGER



## 501ORD

Protective gloves. Palm: cow split leather, cotton lined.  
 Back: cotton (canvas), with leather fingertips and knuckle patch reinforcement.  
 Gunn cut pattern. Wing thumb. One piece forefinger.  
 Middle and ring fingers sewn separately. Shirred elastic back.  
 Cuff: cotton (rubberized) with piping. Colour: natural grey and striped.



2.1.1.1.X



5x10



10



Prosur





### CMC2D

Protective gloves. Model with cut fingers (thumb, index and middle finger).

Palm: 50% polyamide and 50% polyurethane.

Back: 95% polyester and 5% elastane.

Wrist: 50% polyester, 40% polyamide and 10% elastane, with self grip fastening.

Uncoated. Reinforcement patch: 85% PVC and 15% polyester, stitched on palm, on fingertips and between thumb and forefinger. Colour: black, grey and red.



3.1.2.1.X



10x10



8→11



**SINGER**



### CMC5D

Protective gloves. Palm: 50% polyamide and 50% polyurethane.

Back: 95% polyester and 5% elastane.

Wrist: 50% polyester, 40% polyamide and 10% elastane, with self grip fastening.

Uncoated. Reinforcement patch: 85% PVC and 15% polyester, stitched on palm, on fingertips and between thumb and forefinger. Colour: orange and black.



3.1.2.1.X



X.1.X.X.X.X



10x10

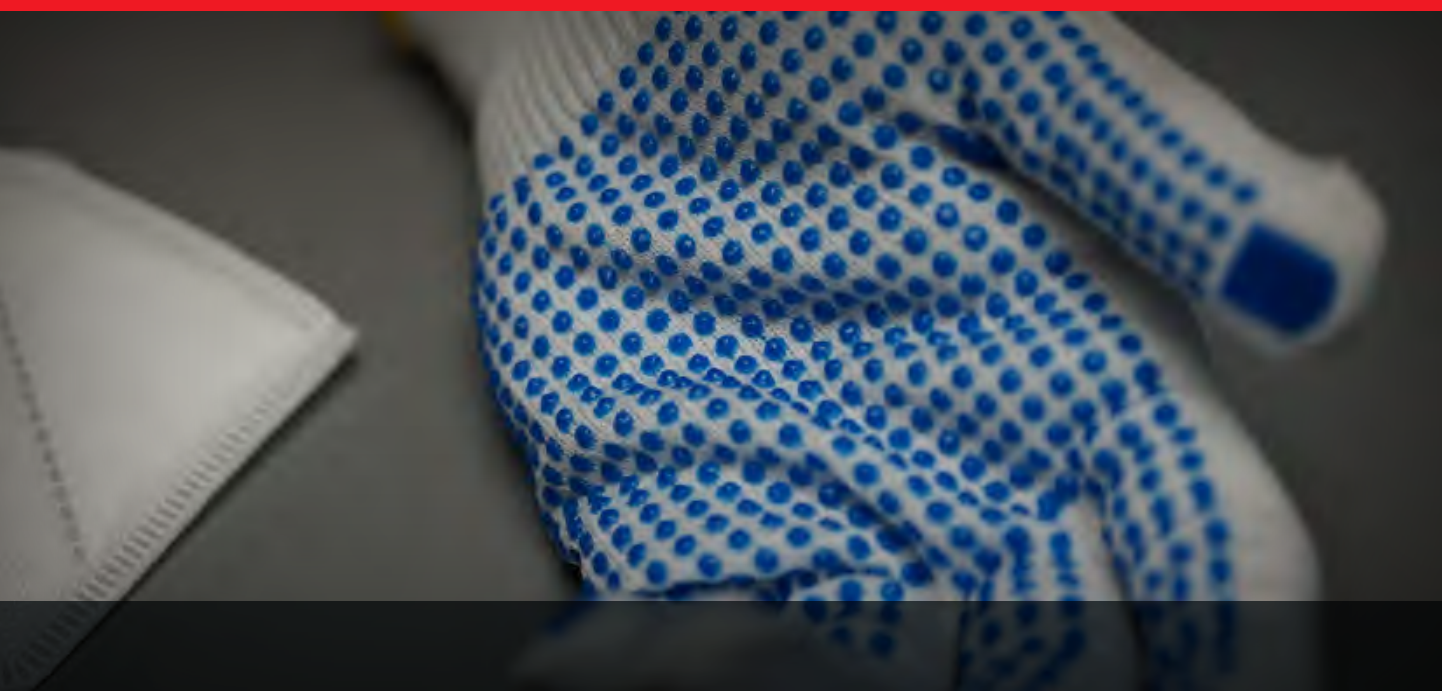


8→11



**SINGER**





### NYM1344D

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping. Uncoated.

Dots: PVC, on palm. Colour: white and blue.



2.1.4.X.X



10x10



6→11



SINGER



RECYCLED  
FIBERS

TC207HB Size: man.

TC207FB Size: woman.

Protective gloves. Liner: polyester and cotton, seamless knitted. Gauge: 7.

Wrist: elastic knit with piping. Uncoated.

Dots: PVC, on palm. Colour: blue.



1.1.2.1.X



10x10



Man / Woman



Prosur





[ AMBIDEXTROUS ]

**NYM13DM**

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping. Uncoated. Colour: white.



0.14.X.X



10x10



6→11

**SINGER** **NY100**

Protective gloves. Liner: polyamide, cut/sewn. «Fourchettes» pattern.

Wrist: straight edge. Uncoated. Colour: white.



30x10



6→12

**SINGER** 

[ AMBIDEXTROUS ]

**T301H**

Protective gloves. Liner: polyester and cotton, seamless knitted.

Gauge: 7. Wrist: elastic knit with piping. Uncoated. Colour: natural.



30x10



Men

**SINGER** 

[ AMBIDEXTROUS ]

**T301HL** Size: man.**T301FL** Size: woman.

Protective gloves. Liner: polyester and cotton, seamless knitted.

Gauge: 10. Wrist: elastic knit with piping. Uncoated. Colour: natural.



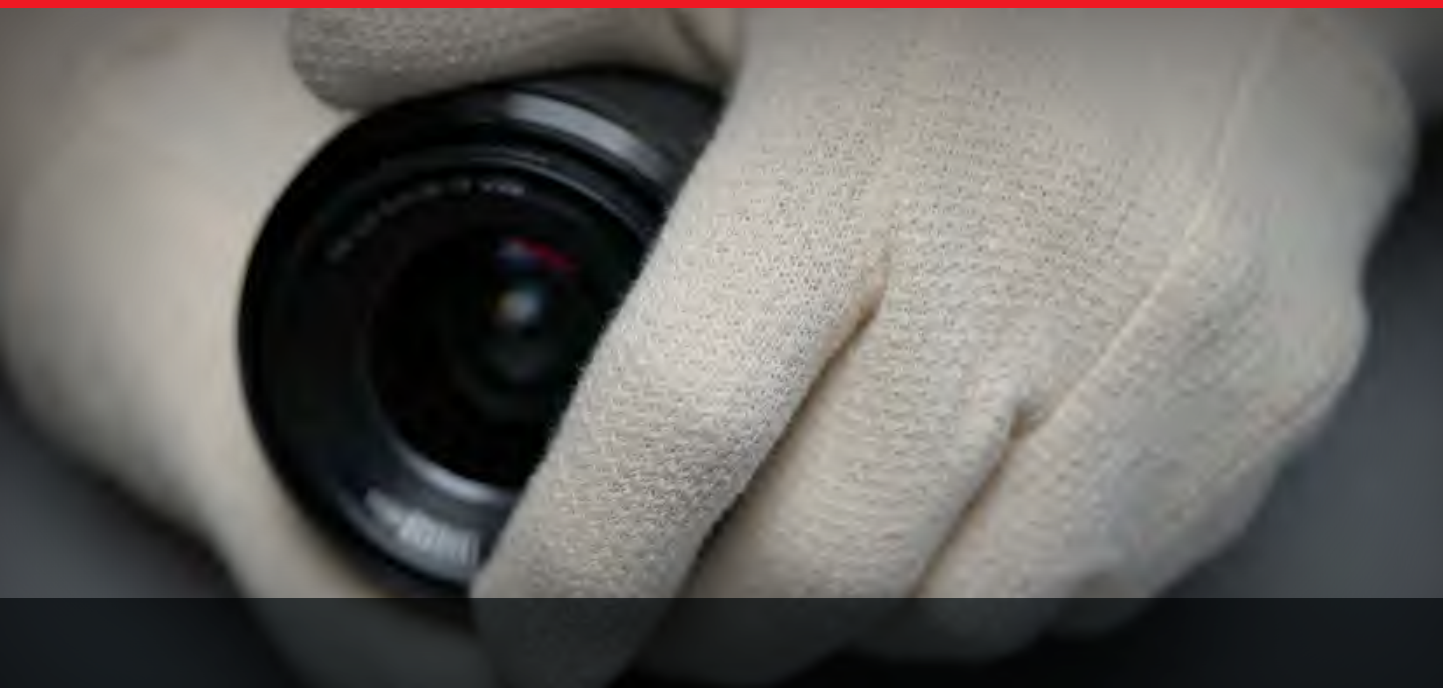
30x10



Man / Woman

**SINGER**





400JE Size: man.

400JEF Size: woman.

Protective gloves. Liner: cotton (brushed jersey), cut/sewn, 210 gsm.

Wrist: elastic knit. Uncoated. Colour: natural.



30x10



Man / Woman



SINGER



400JM Size: man.

400JMF Size: woman.

Protective gloves. Liner: cotton (brushed jersey), cut/sewn, 225 gsm.

Wrist: elastic knit. Uncoated. Colour: brown.



30x10



Man / Woman



SINGER





[ AMBIDEXTROUS ]

[ HEAVY FINISH ]

JE300H Size: man.

JE300F Size: woman.

Protective gloves. Liner: cotton (interlock), two-piece reversible pattern, 170 gsm.  
Wrist: elastic knit. Uncoated. Colour: natural.



30x10



Man / Woman



SINGER



[ AMBIDEXTROUS ]

[ LIGHT FINISH ]

JE300HL Size: man.

JE300FL Size: woman.

Protective gloves. Liner: cotton (interlock), two-piece reversible pattern, 140 gsm.  
Wrist: elastic knit. Uncoated. Colour: natural.



30x10



Man / Woman



SINGER





[ LENGTH  
35 CM ]

### JB13512

Protective gloves. Liner: cotton (interlock), «Fourchettes» pattern, 180 gsm.  
Wrist: straight edge. Uncoated. Colour: white.



30x10



12



SINGER



JB10006 Size: 06.

JB10007 Size: 07.

JB10008 Size: 08.

JB10009 Size: 09.

JB10010 Size: 10.

JB10012 Size: 12.

Protective gloves. Liner: cotton (interlock), «Fourchettes» pattern, 180 gsm.  
Wrist: straight edge. Uncoated. Colour: white.



30x10



SINGER



### JBP100SW

Protective gloves. Liner: cotton (interlock), «Fourchettes» pattern, 170 gsm.  
Wrist: straight edge. Uncoated. Colour: white.



30x10

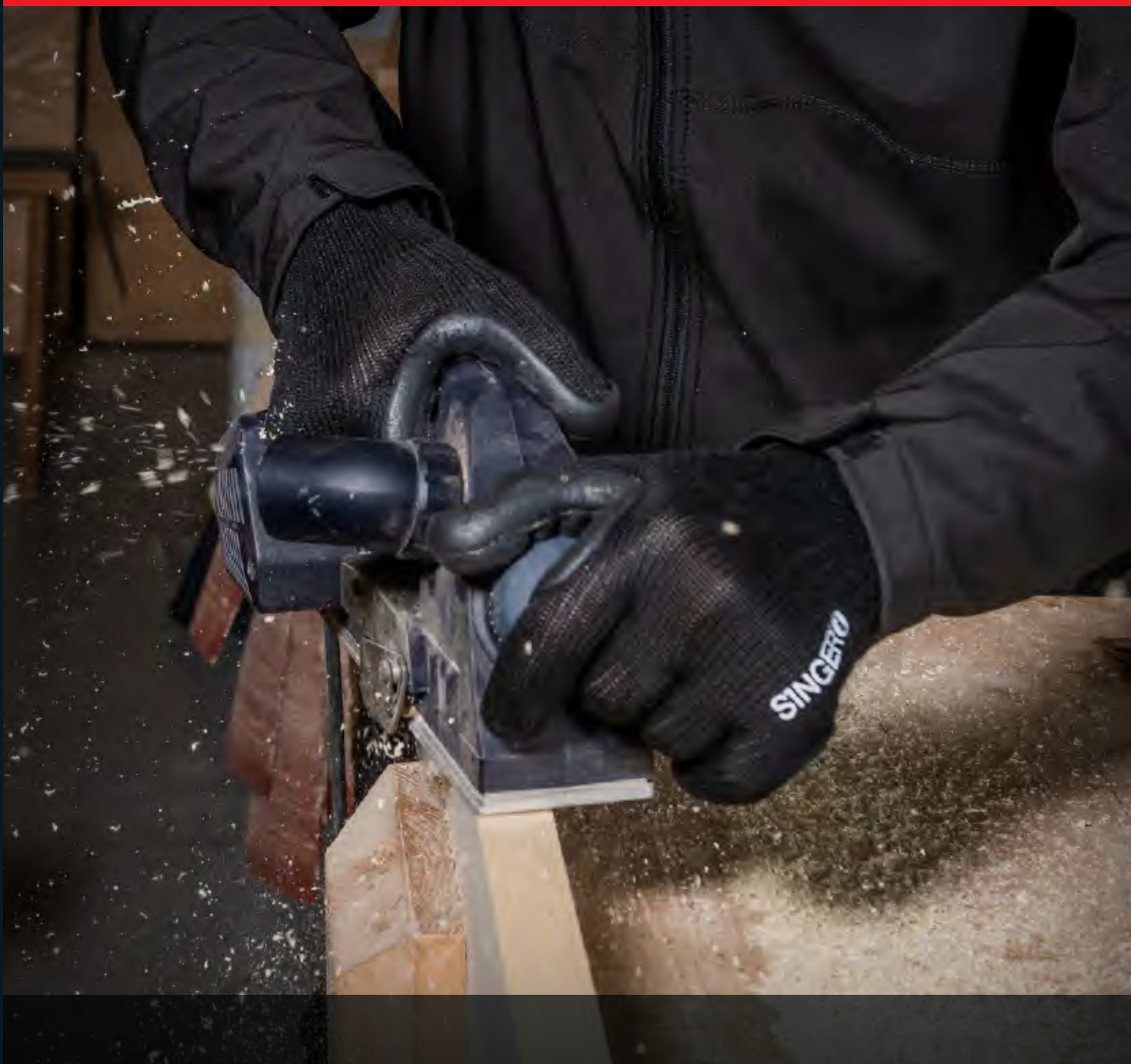


6→12



SINGER





[ REDUCES  
VIBRATIONS ]

### CVBR

Protective gloves. Liner: polyester, seamless knitted. Gauge: 7.

Wrist: elastic knit with piping.

Coating: rubber blocks, coated on palm. Colour: black.



4.1.4.2.B



10x5



9→10



**SINGER**





ELECTRICAL  
OVER-GLOVE

WARNING: CAN'T BE USED ALONE  
AGAINST ELECTRICAL RISK !

### 50ELEC

Protective gloves. Palm: cow grain leather. Back: cow grain leather. Gunn cut pattern. Wing thumb. One piece forefinger. Middle and ring fingers sewn separately. Cuff: cow split leather, 10 cm, adjustment with hook-and-loops-flap. Colour: natural grey and yellow.



2.1.2.1.X

5x10

9→11



SINGERO



SPECIAL FOR  
ELECTRICIAN

### LAT1025

Protective gloves. Unsupported. Cuff: straight edge. Length: 360 mm\*. Thickness: 0,50 mm\*. Coating: latex, fully coated. Exterior finishing: smooth.



Tested to 2500 V.  
Tension of use: 500 V.  
Class 00.

x1

9→10



SPECIAL FOR  
ELECTRICIAN

### LAT1050

Protective gloves. Unsupported. Cuff: straight edge. Length: 360 mm\*. Thickness: 1,00 mm\*. Coating: latex, fully coated. Exterior finishing: smooth.



Tested to 5000 V.  
Tension of use: 1000 V.  
Class 0.

x1

9→10



(\*) Average values









SEWN WITH  
ARAMID YARN

### 51WELD

Protective gloves.

Palm: cow split leather, with reinforcement (palm/forefinger).

Back: cow split leather. «Fourchettes» pattern.

Thumb sewn separately.

Cuff: cow split leather, 14,5 cm (size 10).

Lining: cotton fleece (palm and back) and canvas (cuff).

Shirred elastic wrist. Colour: brown.



4.2.3.4.X



4.1.2.X.4.X

EN 12477 TYPE A



5x10



9→10



**SINGER**





SEWN WITH  
ARAMID YARN

### 50SIVAP15

Protective gloves.

Palm: cow split leather, fire retardant treatment.

Back: cow split leather, untreated, covered with aluminized fabric. Gunn cut pattern. Wing thumb.

Middle and ring fingers sewn separately.

Cuff: cow split leather, 14,5 cm (size 10).

Lining: cotton fleece (palm and back) and canvas (cuff).

Colour: orange and silver.



4.1.3.3.X



4.1.2.1.4.X

EN 12477 TYPE A



5x10



9→10



SINGER



SEWN WITH  
ARAMID YARN

### 51SIP15

Protective gloves.

Palm: cow split leather, fire resistant treatment.

Back: cow split leather, fire resistant treatment.

Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately. Cuff: cow split leather, 15 cm.

Lining: cotton fleece. Colour: orange and grey.



3.1.2.2.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10

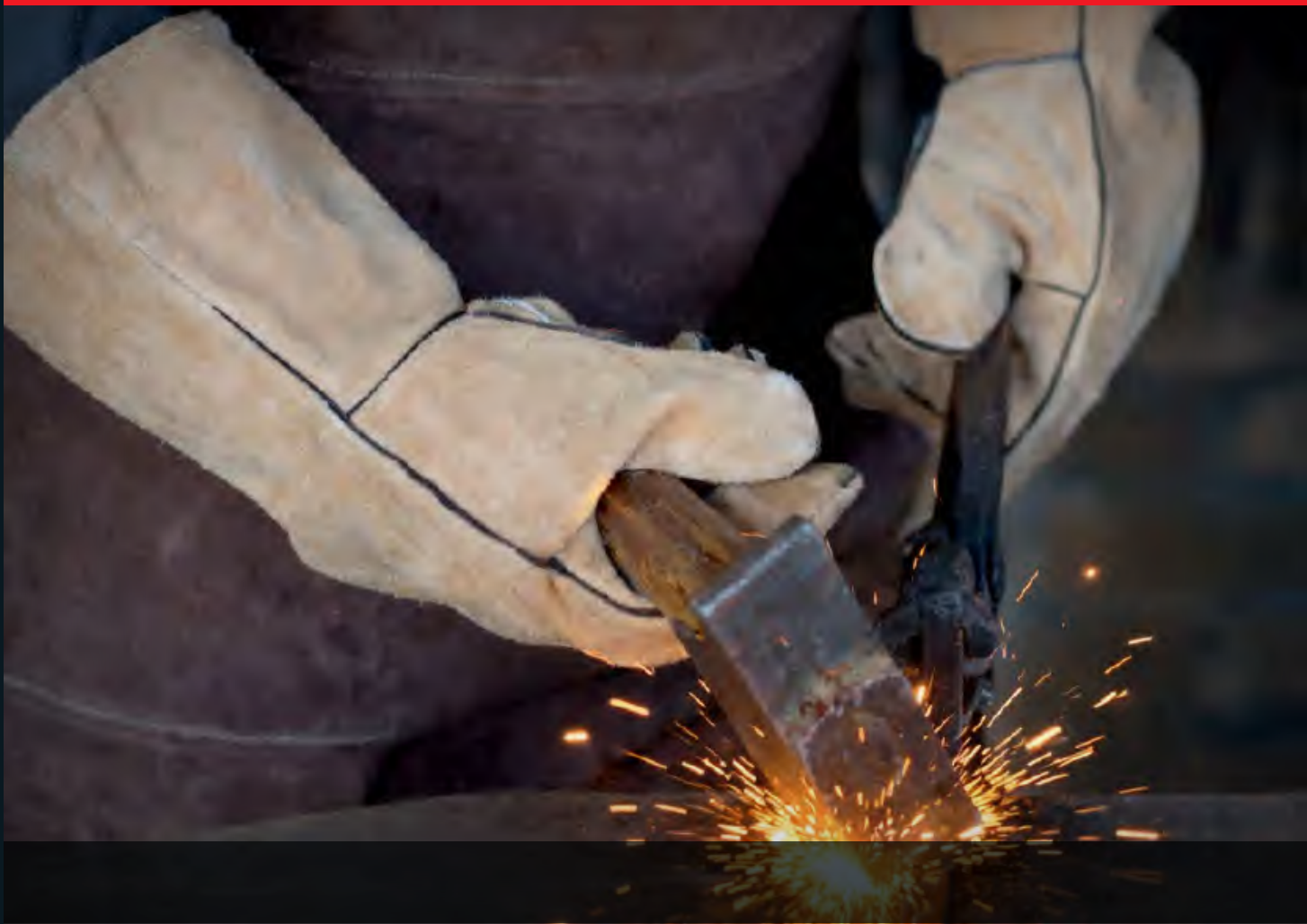


10



SINGER





SEWN WITH  
ARAMID YARN

### 51SOUD

Protective gloves. Palm: cow split leather, with reinforcement (palm/thumb/forefinger). Back: cow split leather.

Gunn cut pattern. Wing thumb.

Middle and ring fingers sewn separately.

Cuff: cow split leather, 14 cm. Lining: cotton fleece (palm and back) and canvas (cuff). Colour: brown.



4.2.4.4.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



10



**SINGER**





SEWN WITH  
ARAMID YARN

### 51SIREP15KV

Protective gloves.

Palm: cow split leather. Back: cow split leather.

Gunn cut pattern. Wing thumb.

Middle and ring fingers sewn separately.

Cuff: cow split leather, 14 cm. Lining: cotton fleece (palm and back) and canvas (cuff). Colour: red.



3.1.3.3.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



10



SINGER



### 51SIREP15

Protective gloves.

Palm: cow split leather. Back: cow split leather.

Gunn cut pattern. Wing thumb.

Middle and ring fingers sewn separately.

Cuff: cow split leather, 14 cm. Lining: cotton fleece (palm and back) and canvas (cuff). Colour: red.



3.1.3.3.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



10



SINGER



**51G15**

Protective gloves.

Palm: cow grain leather. Back: cow grain leather. Gunn cut pattern.

Wing thumb. One piece forefinger. Middle and ring fingers sewn separately.

Cuff: cow split leather, 15 cm. Colour: natural grey.



2.1.2.1.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



10

**SINGER** **51GS15**

Protective gloves.

Palm: cow grain leather. Back: cow split leather. Gunn cut pattern.

Wing thumb. One piece forefinger. Middle and ring fingers sewn separately.

Cuff: cow split leather, 15 cm. Colour: natural grey.



2.1.2.1.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



10

**SINGER** **51EC15**

Protective gloves.

Palm: cow split leather. Back: cow split leather. Gunn cut pattern.

Wing thumb. One piece forefinger. Middle and ring fingers sewn separately.

Cuff: cow split leather, 15 cm. Colour: natural grey.



2.1.2.1.X



4.1.2.X.4.X

EN 12477 TYPE A



5x10



10

**Prosur**





FINENESS AND  
ERGONOMICS

### AGN106

Protective gloves. Palm: sheep grain leather.  
Back: sheep grain leather. «Fourchettes» pattern.  
Thumb sewn separately. Cuff: sheep split leather, 14 cm. Colour: natural grey.



2.1.2.1.X



4.1.1.1.4.2

EN 12477 TYPE B



10x10



9→11



SINGER



SEWN WITH  
KEVLAR®

### 51CHV

Protective gloves. Palm: goat grain leather. Back: goat grain leather.  
Gunn cut pattern. Wing thumb. One piece forefinger. Shirred elastic back.  
Cuff: cow split leather, 15 cm. Colour: natural grey.



2.1.2.1.X



4.1.1.1.4.2

EN 12477 TYPE B



10x10



7→11



SINGER





## TKV7PXL

Protective gloves. Liner: Kevlar®, seamless knitted. Gauge: 7.

Wrist: elastic knit with piping. Lining: cotton fleece.

Length: 340 mm\*. Uncoated. Colour: yellow.



2.5.4.1.C



4.3.4.3.2.X



50x1



11



SINGER



## TKV345

Protective gloves.

Liner: aramid fibers, steel fibers and synthetic fibers, seamless knitted.

Gauge: 10. Wrist: elastic knit with piping.

Coating: crinkle latex, 3/4 coated. Colour: yellow, grey and blue.



3.X.4.3.F



X.2.X.X.X.X



10x10



8→10



SINGER



## TKV105

Protective gloves.

Liner: aramid fibers, steel fibers and synthetic fibers, seamless knitted.

Gauge: 10. Wrist: elastic knit with piping.

Coating: crinkle latex, coated on palm. Colour: yellow, grey and blue.



3.X.4.3.F



X.2.X.X.X.X



10x10



7→11



SINGER

(\*) Kevlar®, registered trademark of DuPont™ de Nemours.







BRUSHED  
INTERIOR, PALM AND  
INDEX FINGER

### PRP75415

Protective gloves.

Liner: cotton (woven, double layer), cut/sewn, 595 gsm.

Cuff: canvas, 15 cm. Uncoated. Colour: natural.



1.1.1.2.X



X.1.X.X.X.X



10x10



10



**SINGER**



BRUSHED  
INTERIOR, PALM AND  
INDEX FINGER

### PRP75408

Protective gloves.

Liner: cotton (woven, double layer), cut/sewn, 595 gsm.

Cuff: canvas, 8 cm. Uncoated. Colour: natural.



1.1.1.2.X



X.1.X.X.X.X



10x10

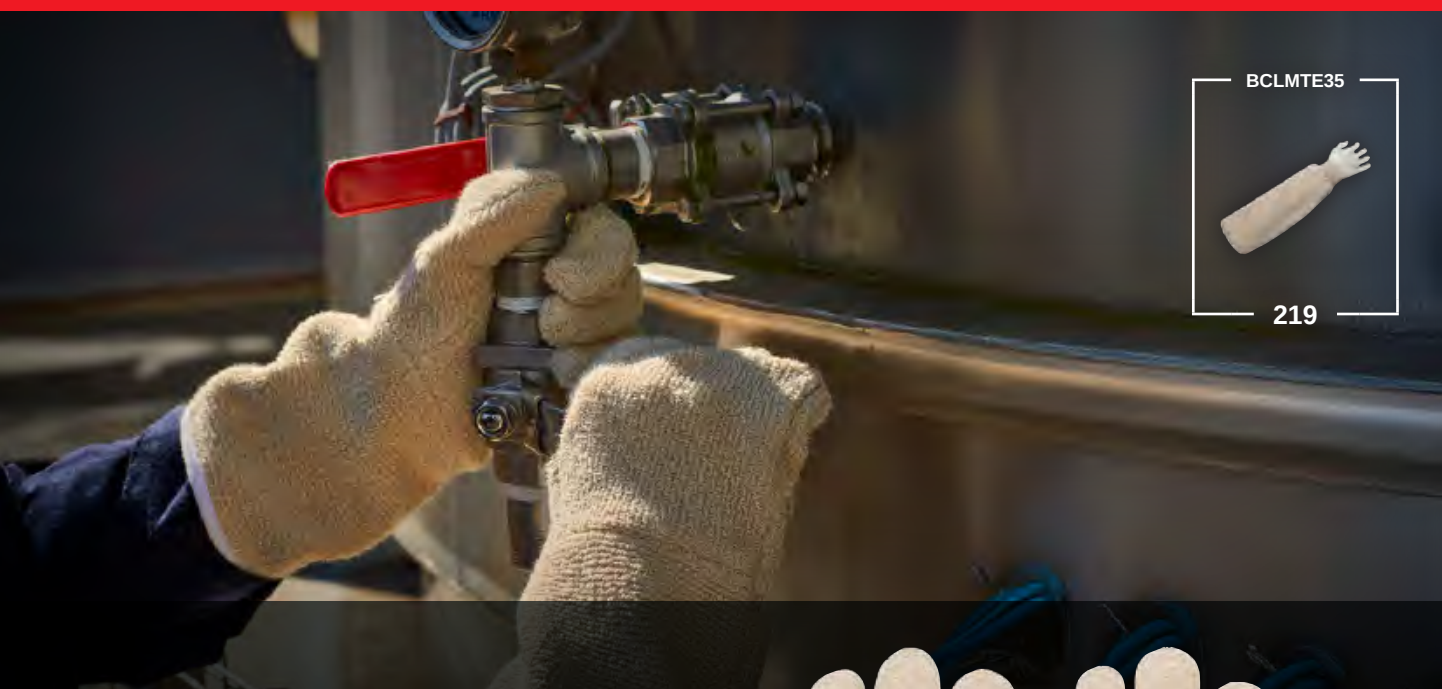


10



**SINGER**





### 700BM15T

Protective gloves. Liner: cotton (terry), cut/sewn, 750 gsm.  
Cuff: canvas, 15 cm. Uncoated. Colour: natural.



1.1.3.X.X



X.1.X.X.X.X



10x10



10



SINGER



### 700BM

Protective gloves. Liner: cotton (terry), cut/sewn, 750 gsm.  
Wrist: elastic knit. Uncoated. Colour: natural.



1.1.3.X.X



X.1.X.X.X.X



10x10



10



SINGER









|                            |   |   |   |   |
|----------------------------|---|---|---|---|
| Acetamide                  | 1 | 2 | 3 | 2 |
| Acetic acid (50%)          | 3 | 3 | 3 | 3 |
| Acetone                    | 1 | 1 | 2 | - |
| Acrylonitrile              | - | 1 | 2 | - |
| Ammonia                    | - | 3 | 1 | - |
| Ammonium acetate           | - | 1 | 2 | - |
| Ammonium nitrate           | 1 | 1 | 2 | - |
| Ammonium carbonate         | 3 | 3 | 3 | 3 |
| Ammonium chloride          | 2 | 1 | 2 | - |
| Amyl acetate               | - | 1 | 1 | - |
| Amyl alcohol               | 1 | 1 | - | - |
| Aniline                    | 3 | 3 | 1 | 3 |
| Asphalt                    | 2 | 2 | - | 1 |
| Benzaldehyde               | 3 | 1 | 1 | 1 |
| Benzene                    | 3 | 3 | 3 | 3 |
| Benzyl alcohol             | - | 1 | 1 | 2 |
| Bleach                     | 3 | 3 | 3 | 3 |
| Borax                      | 2 | 3 | 2 | 3 |
| Bromides                   | 2 | 3 | 1 | 3 |
| Butyl acetate              | 2 | 3 | 2 | 2 |
| Butyl alcohol (n-butanol)  | 1 | 3 | 3 | 2 |
| Calcium chloride           | 1 | 3 | 3 | 2 |
| Calcium hydroxide          | 3 | 3 | 3 | 2 |
| Calcium hypochlorite       | 2 | 3 | 2 | 3 |
| Calcium nitrate            | 2 | 3 | 3 | 2 |
| Calcium phosphate          | 3 | 3 | 3 | 3 |
| Carbon bisulfide           | 1 | 1 | 1 | 3 |
| Carbon tetrachloride       | 1 | 2 | 2 | 2 |
| Chlorine                   | 3 | 3 | 2 | 3 |
| Chloroacetone              | 1 | 2 | 1 | 2 |
| Chlorobenzene              | 3 | 3 | 3 | 3 |
| Chloroform                 | 3 | 3 | 3 | 3 |
| Chromic acid               | 2 | 1 | - | - |
| Citric acid                | 1 | 2 | 2 | 1 |
| Concentrated soda          | 1 | 2 | 1 | - |
| Concentrated sulfuric acid | 2 | 3 | 3 | 2 |
| Cresol                     | 2 | 3 | 3 | 2 |
| Creosote                   | 3 | 3 | 3 | 2 |
| Cyclohexane                | 1 | 2 | 3 | 2 |
| Cyclohexanol               | 2 | 3 | 3 | 2 |
| Cyclohexanone              | 2 | 3 | 3 | 1 |
| Diacetone alcohol          | 3 | 3 | 2 | 3 |

|                                 |   |   |   |   |
|---------------------------------|---|---|---|---|
| Dibutyl ether                   | 1 | 2 | - | - |
| Dibutyl phthalate               | - | 1 | 3 | 1 |
| Dichloroethane                  | - | 1 | 1 | - |
| Diethanolamine                  | - | - | 1 | - |
| Diethylamine                    | 3 | 3 | 3 | 2 |
| Diisobutyl ketone               | 3 | 3 | 3 | 3 |
| Diluted sulfuric acid           | 1 | 3 | 3 | 3 |
| Ethanal (acetaldehyde)          | 3 | 3 | 3 | 3 |
| Ethanol (ethyl alcohol)         | - | - | 3 | - |
| 2-Ethoxyethanol                 | 3 | 3 | 3 | 3 |
| 2-Ethoxyethyl acetate           | 1 | 2 | 1 | - |
| Ethyl acetate                   | 3 | 3 | 3 | 3 |
| Ethylamine                      | 3 | 3 | 3 | 3 |
| Ethylaniline                    | 3 | 3 | 3 | 3 |
| Ethylene glycol                 | 3 | 3 | 3 | 3 |
| Fluorides                       | 1 | 2 | 1 | 3 |
| Formaldehyde (30%)              | 2 | 2 | - | - |
| Furol (furfural or furaldehyde) | - | - | - | - |
| Gasoline (engine)               | - | - | 1 | - |
| Glacial acetic acid             | 3 | 3 | 3 | 3 |
| Glycerin                        | 1 | 3 | 3 | 3 |
| Glycols                         | 3 | 3 | 3 | 3 |
| Hexane                          | - | 1 | 1 | - |
| Hydrobromic acid                | 3 | 3 | 3 | 3 |
| Hydrochloric acid (30% and 5%)  | 3 | 3 | 3 | 3 |
| Hydrofluoric acid (30%)         | 3 | 3 | 3 | 3 |
| Isobutyl alcohol (isobutanol)   | - | 1 | 3 | 2 |
| Isobutyl ketone                 | 1 | 2 | 2 | 1 |
| Isopropyl alcohol               | 3 | 3 | 3 | 3 |
| Lactic acid (85%)               | - | 2 | 3 | 2 |
| Lauric acid                     | 2 | 2 | 2 | - |
| Linoleic acid                   | 2 | 1 | - | - |
| Magnesium carbonate (magnesia)  | 2 | 2 | 1 | - |
| Maleic acid                     | 1 | 1 | 3 | 1 |
| Methanal (30%)                  | - | 1 | 1 | - |
| Methanoic acid (90%)            | 3 | 3 | 3 | 2 |
| 2-methoxyethanol                | - | - | 1 | - |
| Methyl acetate                  | 2 | 3 | 3 | 2 |
| Methyl alcohol (methanol)       | - | 1 | 3 | 1 |
| Methylamine                     | 2 | 2 | - | - |
| Methylaniline                   | 1 | 2 | 2 | 2 |
| Methylene chloride              | - | 1 | 3 | - |



|                         |   |   |   |   |
|-------------------------|---|---|---|---|
| Methyl ethyl ketone     | - | 1 | 2 | - |
| Methyl isobutyl ketone  | 1 | 3 | 3 | 2 |
| Monochlorobenzene       | - | 1 | - | - |
| Monoethanolamine        | 1 | 2 | 2 | 2 |
| Naphtha (white spirit)  | 2 | 3 | 3 | 3 |
| Naphthalene             | 1 | 2 | 1 | 1 |
| Nickel chloride         | 3 | 3 | 3 | 3 |
| Nitric acid (20%)       | 2 | 3 | - | - |
| Nitrobenzene            | 3 | 3 | 3 | 3 |
| Nitromethane            | - | 2 | 2 | 1 |
| Nitropropane            | - | 2 | 3 | 1 |
| Octyl Alcohol (Octanol) | - | 1 | 3 | - |
| Oil                     | 3 | 3 | 3 | 3 |
| Oleic acid              | 3 | 3 | 3 | 3 |
| Oxalic acid             | 3 | 3 | 3 | 3 |
| Perchloroethylene       | 3 | 3 | 3 | 3 |
| Perchloric acid         | 3 | 3 | 3 | 3 |
| Petroleum ether         | 3 | 2 | - | - |
| Phenolic acid (Phenol)  | 3 | 3 | 3 | 3 |
| Phosphoric acid (75%)   | 1 | 3 | 3 | 2 |
| Phthalate bis           | 2 | 3 | 3 | 3 |
| Polyester resins        | - | 1 | 1 | 3 |
| Potassium acetate       | 2 | 1 | - | - |
| Potassium bicarbonate   | 2 | 1 | - | - |
| Potassium bichromate    | - | 1 | 1 | - |
| Potassium carbonate     | 3 | 3 | 3 | 2 |
| Potassium chloride      | - | 2 | 3 | 1 |
| Potassium cyanide       | - | 1 | 2 | - |
| Potassium hydroxide     | 2 | 3 | 3 | 3 |
| Potassium nitrate       | 3 | 3 | 3 | 3 |
| Potassium permanganate  | 3 | 3 | 3 | 3 |
| Potassium phosphate     | 3 | 3 | 3 | 2 |
| Potassium sulphate      | - | 1 | - | - |
| Propyl acetate          | - | 2 | - | - |
| Propyl alcohol          | 1 | 1 | - | - |
| Sodium bicarbonate      | - | 1 | 2 | 1 |
| Sodium bisulfite        | 3 | 3 | 3 | 3 |
| Sodium carbonate        | 3 | 3 | 3 | 3 |
| Sodium chloride         | 3 | 3 | 3 | 3 |
| Sodium hydroxide        | 3 | 3 | 3 | 3 |
| Sodium hypochlorite     | - | 1 | - | - |
| Sodium nitrate          | 1 | 2 | - | - |

|                                       |   |   |   |   |
|---------------------------------------|---|---|---|---|
| Sodium phosphate                      | 1 | 3 | 3 | - |
| Sodium sulphate                       | 1 | 3 | 3 | - |
| Silicates                             | - | 1 | 2 | 1 |
| Styrene                               | 3 | 3 | 3 | 3 |
| Sulphites, bisulphites, hyposulphites | 3 | 3 | 2 | 3 |
| Tartaric acid                         | - | - | 1 | - |
| THF 1 Tetrahydrofuran                 | 3 | 3 | 3 | 3 |
| Tin chloride                          | 3 | 3 | 3 | 3 |
| Toluene                               | 3 | 3 | 3 | 3 |
| Tributyl phosphate                    | 3 | 3 | 3 | 3 |
| Trichlorethylene                      | - | - | 2 | - |
| Triethanolamine (85%)                 | - | 1 | - | 1 |
| Trinitrobenzene                       | - | 1 | 2 | 1 |
| Trinitrotoluene                       | - | 1 | 1 | - |
| Triphenyl Phosphate                   | 3 | 3 | 3 | 3 |
| Vinyl acetate                         | - | 1 | 2 | 1 |
| Xylene                                | 3 | 3 | 3 | 1 |
| Xylophene                             | - | 1 | 2 | - |
| Zinc sulphate                         | - | 1 | 2 | - |

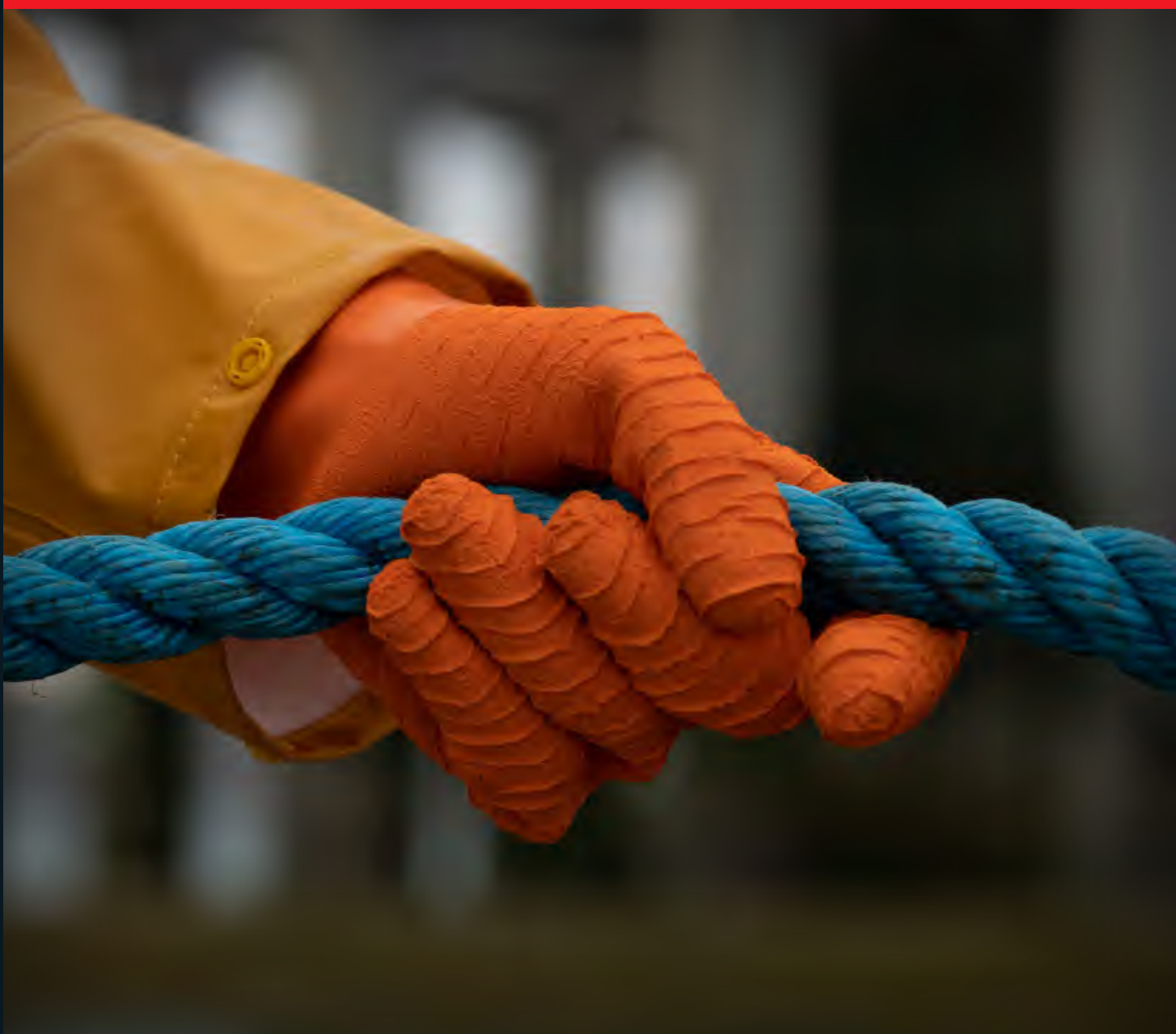
|  |          |
|--|----------|
|  | Latex    |
|  | Neoprene |
|  | Nitrile  |
|  | PVC      |

|                                                                                                                                                                         |                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 3                                                                                                                                                                       | Excellent resistance. Extended use.<br>In the limit of the passage time.                 |
| 2                                                                                                                                                                       | Average resistance. Use in intermittent contact.<br>Duration less than the passage time. |
| 1                                                                                                                                                                       | Low resistance.<br>Use against splashing.                                                |
| -                                                                                                                                                                       | Not recommended.<br>Do not use gloves of this material.                                  |
| Passage time: Duration for the chemical to pass from the external surface of the glove material to the other side of the material, according to the method of EN 374-3. |                                                                                          |

This guide only provides general information on materials and can not engage the responsibility of Singer® Safety. The resistance of a glove depends on temperature, concentration of the chemical, the thickness of the glove, the immersion time, etc.

For your safety, testing should be performed prior to the use of gloves. Always read carefully the instructions inclosed the product and check compliance with EN 374 and the levels obtained from the chemical involved.





### LAT830

Protective gloves. Liner: cotton, cut/sewn. Cuff: zigzag edge.

Length: 310 mm\*. Thickness: 1,90 mm\*. Coating: latex, fully coated.

Exterior finishing: smooth (cuff) and crinkle (palm and back). Colour: orange.



3.1.3.1.X



X.2.X.X.X.X



Type B  
A.K.L.P.T



5x10



7→10



**SINGER**





FOOD  
CONTACT\*\*

### LAT3130

Protective gloves. Liner: cotton, cut/sewn. Cuff: zigzag edge.

Length: 300 mm\*. Thickness: 1,60 mm\*. Double coating: latex, fully coated.

Exterior finishing: smooth (cuff) and crinkle (palm and back). Colour: blue.



3.1.3.1.X



X.2.X.X.X.X



Type B  
A.K.L.P.T



10x10



7→10



SINGER



### LAT2130

Protective gloves. Liner: cotton, cut/sewn. Cuff: zigzag edge.

Length: 300 mm\*. Thickness: 1,30 mm\*.

Coating: latex, fully coated. Exterior finishing: smooth. Colour: blue.



3.1.3.1.A



X.1.X.X.X.X



Type A  
A.K.L.O.P.T



10x10



6,5→10,5



SINGER



SPECIAL FOR  
CLEANING

### LAT2005

Protective gloves. Unsupported. Cuff: zigzag edge. Flock-lining: cotton.

Length: 300 mm\*. Thickness: 0,45 mm\*. Coating: latex, fully coated.

Exterior finishing: smooth (cuff and back) and embossed (palm). Colour: yellow.



1.0.0.0.X



Type B  
K.P.T



10x10



7→10



SINGER





[ MULTIRISKS ]

FOOD  
CONTACT

## NEO5040

Protective gloves. Liner: acrylic terry, seamless knitted.

Gauge: 7. Cuff: straight edge. Length: 380 mm\*. Thickness: 2,30 mm\*.

Coating: neoprene, fully coated. Exterior finishing: smooth (cuff and back) and embossed (palm). Colour: black.



2.1.2.1.X



X.2.X



X.2.X.X.X.X

Type B  
A.K.L

5x10



8→10



SINGER

[ SPECIAL FOR  
AGGRESSIVE  
ENVIRONMENTS ]

## NEO400

Protective gloves. Unsupported. Cuff: straight edge. Flock-lining: cotton.

Length: 330 mm\*. Thickness: 0,68 mm\*. Coating: polychloroprene, fully coated.

Exterior finishing: smooth (cuff and back) and embossed (palm). Colour: black.



2.0.1.1.X

Type A  
B.K.L.O.P.T

VIRUS



10x10



7→11



SINGER

[ SPECIAL FOR  
AGGRESSIVE  
ENVIRONMENTS ]

## NEO270

Protective gloves. Unsupported. Cuff: straight edge. Flock-lining: cotton.

Length: 320 mm\*. Thickness: 0,68 mm\*. Coating: latex and neoprene, fully coated.

Exterior finishing: smooth (cuff and back) and embossed (palm). Colour: black.



2.0.1.1.X

Type A  
A.J.K.L.N.P.T

VIRUS



10x10



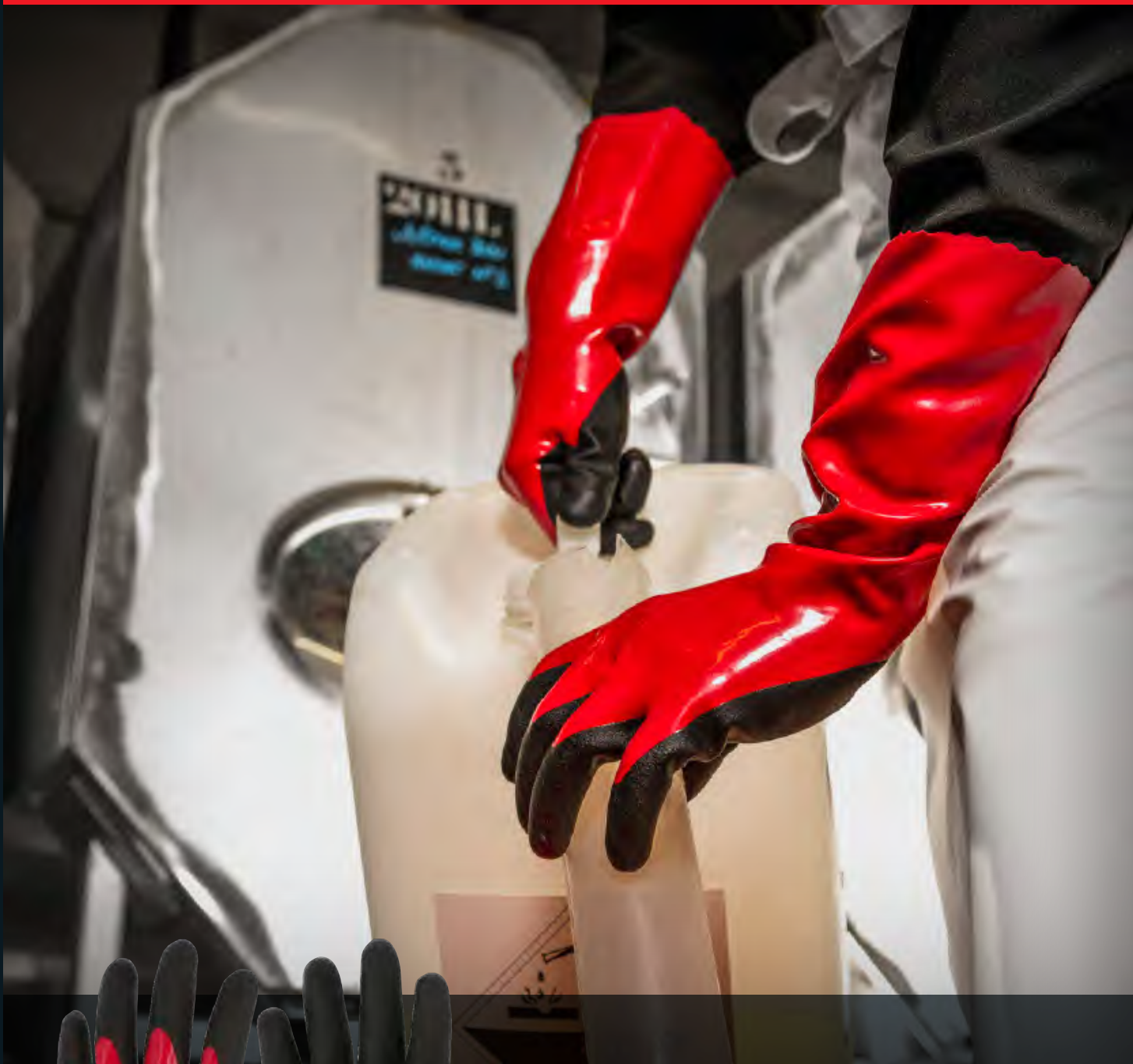
7→10



SINGER







TRIPLE COATING

### CHEM350

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 18.

Cuff: zigzag edge. Length: 350 mm\*. Thickness: 1,3 mm\*. Triple coating.

First layer: PVC and nitrile, fully coated.

Second layer: PVC and nitrile, fully coated.

Third layer: PVC and nitrile, coated on palm. Exterior finishing: rough (palm) and smooth (back and cuff). Colour: black and red.



3.1.2.1.X



X.1.X.X.X.X



Type 8  
J.K.L



G2



6x10



8→11



SINGER





MULTIRISKS

### NITPOL30

Protective gloves. Liner: cotton, cut/sewn. Cuff: straight edge with piping.

Lining: polar fleece polyester. Length: 300 mm\*. Thickness: 2,40 mm\*.

Coating: nitrile, fully coated.

Exterior finishing: smooth (cuff) and rough (palm and back). Colour: blue.



3.1.1.1.X



1.1.1



X.2.X.X.X.X



Type C



10x10



9-10



SINGER



SPECIAL FOR  
AGGRESSIVE  
ENVIRONMENTS

FOOD  
CONTACT

### NIT1538

Protective gloves. Unsupported. Cuff: straight edge. Flock-lining: cotton.

Length: 330 mm\*. Thickness: 0,38 mm\*. Coating: nitrile, fully coated.

Exterior finishing: smooth (cuff and back) and embossed (palm). Colour: green.



3.1.0.1.X



A.J.K.L.M.N.O.P.T



VIRUS



G2



10x10



7-11



SINGER



### NIT38

Protective gloves. Unsupported. Cuff: straight edge. Flock-lining: cotton.

Length: 330 mm\*. Thickness: 0,38 mm\*. Coating: nitrile, fully coated.

Exterior finishing: smooth (cuff and back) and embossed (palm). Colour: green.



3.0.0.1.X



J.K.L.M.O.P.T



VIRUS



10x10



7-11



SINGER





### ATOMB

Protective gloves. Unsupported. Cuff: zigzag edge. Flock-lining: cotton.  
Length: 300 mm\*. Thickness: 0,45 mm\*. Coating: PVC (vinyl), fully coated.  
Exterior finishing: smooth (cuff and back) and «wave» pattern (palm). Colour: blue.



3.1.0.0.X

Type B  
K.O.T

VIRUS



10x10



7→11



SINGER

[ REMOVABLE  
LINING ]

### PVCKREM10

Protective gloves. Liner: cotton, seamless knitted. Cuff: straight edge with piping.  
Lining: acrylic terry and wool. Length: 300 mm\*. Thickness: 4,50 mm\* (with lining).  
Triple coating: PVC, fully coated.  
Exterior finishing: smooth (cuff) and sandy (palm and back). Colour: blue.



4.1.3.1.X



1.2.1

Type A  
A.K.L.M.N.O.P.T

5x10



10



SINGER



### PVC535K

Protective gloves. Liner: cotton, seamless knitted. Cuff: zigzag edge.  
Length: 350 mm\*. Thickness: 1,80 mm\*. Triple coating: PVC, fully coated.  
Exterior finishing: smooth (cuff) and sandy (palm and back). Colour: blue.



4.1.2.1.X

Type A  
A.K.L.M.N.O.P.T

5x10



8→11



SINGER





## PVC3028

Protective gloves. Liner: cotton (fleece), cut/sewn. Cuff: zigzag edge.  
Length: 270 mm\*. Thickness: 1,70 mm\*. Double coating: PVC, fully coated.  
Exterior finishing: smooth (cuff) and sandy (palm and back). Colour: green.



SINGER



## PVC3040

Protective gloves. Liner: cotton (fleece), cut/sewn. Cuff: zigzag edge.  
Length: 350 mm\*. Thickness: 1,70 mm\*. Double coating: PVC, fully coated.  
Exterior finishing: smooth (cuff) and sandy (palm and back). Colour: green.



SINGER



## PVC304595

Protective gloves. Liner: cotton (fleece), cut/sewn. Cuff: zigzag edge.  
Length: 400 mm\*. Thickness: 1,70 mm\*. Double coating: PVC, fully coated.  
Exterior finishing: smooth (cuff) and sandy (palm and back). Colour: green.



SINGER





## PVC728

Protective gloves. Liner: cotton (interlock), cut/sewn. Cuff: zigzag edge.

Length: 270 mm\*. Thickness: 1,20 mm\*.

Coating: PVC, fully coated. Exterior finishing: smooth. Colour: red.



4.1.2.1.X

Type A  
A.K.L.M.P.S.T

VIRUS



10x10



8→10



SINGER



## PVC736

Protective gloves. Liner: cotton (interlock), cut/sewn.

Cuff: zigzag edge. Length: 350 mm\*. Thickness: 1,20 mm\*.

Coating: PVC, fully coated. Exterior finishing: smooth. Colour: red.



4.1.2.1.X

Type A  
A.K.L.M.P.S.T

VIRUS



5x10



9→10



SINGER



## PVC740

Protective gloves. Liner: cotton (interlock), cut/sewn.

Cuff: zigzag edge. Length: 400 mm\*. Thickness: 1,20 mm\*.

Coating: PVC, fully coated. Exterior finishing: smooth. Colour: red.



4.1.2.1.X

Type A  
A.K.L.M.P.S.T

VIRUS



5x10



9→10



SINGER





### PVC77595

Protective gloves. Liner: cotton (interlock), cut/sewn. Cuff: zigzag edge.  
Length: 720 mm\*. Thickness: 1,20 mm\*. Coating: PVC, fully coated.  
Exterior finishing: smooth. Colour: red.



4.1.2.1.X

Type A  
A.K.L.M.P.T

VIRUS



6x5



10



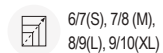
SINGER





### AUU7000

Single use gloves. Dispenser box of 100 gloves. Unsupported. Nitrile. AQL 1,5. Powder free. Non sterile. Wrist: rolled edge. Ambidextrous. Length: 240 mm\*. Thickness: 0,20 mm\*. Exterior finishing: embossed (palm and back). Colour: orange.



**SINGER**

(\*) Average values





LONG WRIST

FOOD CONTACT

### AUU5000

Single use gloves. Dispenser box of 100 gloves. Unsupported.  
Nitrile. AQL 1,5. Powder free. Non sterile. Wrist: rolled edge.  
Ambidextrous. Thickness: 0,15mm (\*). Length: 295mm (\*). Colour: black.

Type B  
K.P.T

VIRUS



G1

EUROPEAN REGULATIONS  
1831/2004 AND FRENCH  
DECREE OF 05/08/20036/7(S), 7/8 (M),  
8/9(L), 9/10(XL)

SINGER



2



LONG WRIST

### AUU5000

Single use gloves. Dispenser box of 100 gloves. Unsupported.  
Nitrile. AQL 1,5. Powder free. Non sterile. Wrist: rolled edge.  
Ambidextrous. Thickness: 0,14mm (\*). Length: 300mm (\*). Colour: black.

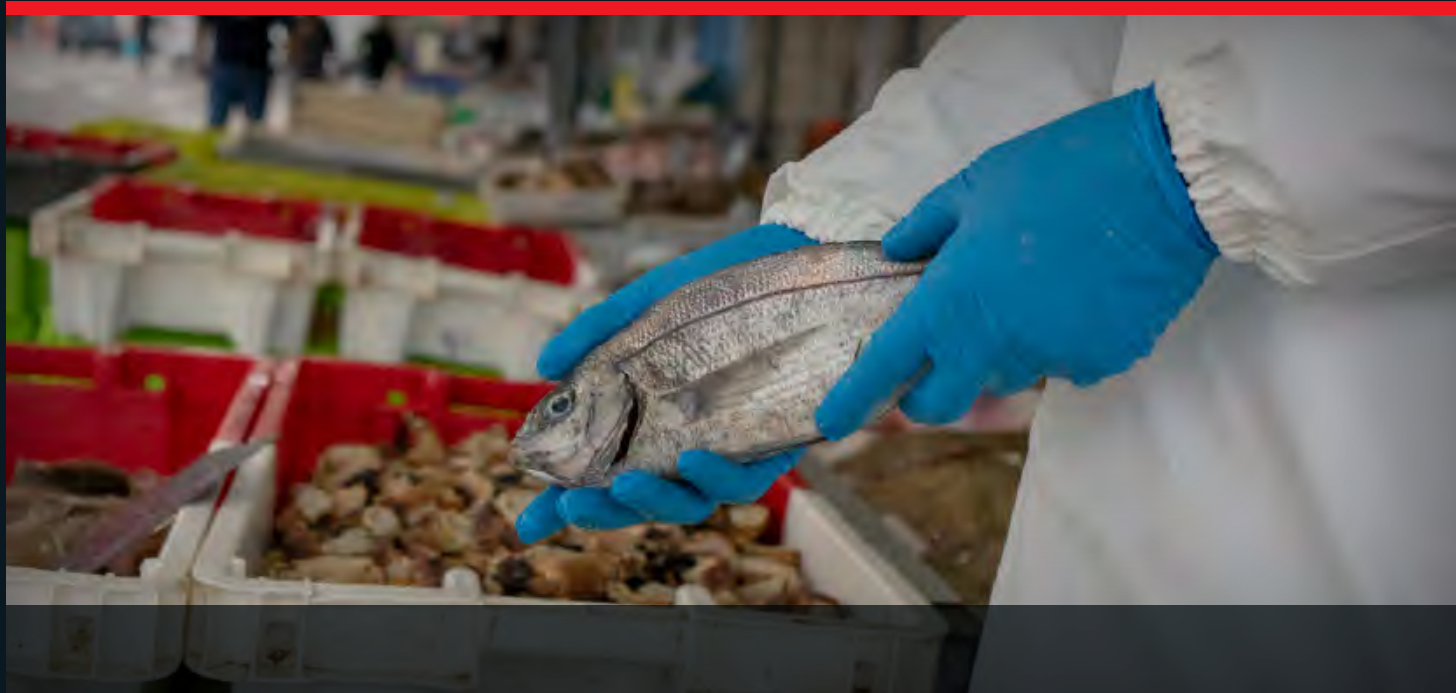
Type B  
K.P.S.T

VIRUS

6/7(S), 7/8 (M),  
8/9(L), 9/10(XL)

SINGER





FOOD  
CONTACT

### AUU4010

Single use gloves. Dispenser box of 100 gloves.

Unsupported. Nitrile. AQL 1,5. Powder free. Non sterile.

Wrist: rolled edge. Ambidextrous.

Thickness: 0,12mm (\*). Length: 245mm (\*). Colour: blue.



x10



6/7(S), 7/8 (M), 8/9(L),  
9/10(XL), 10/11(XXL)



**SINGER**



FOOD  
CONTACT\*\*

### AUU4000

Single use gloves. Dispenser box of 100 gloves.

Unsupported. Nitrile. AQL 1,5. Powder free. Non sterile.

Wrist: rolled edge. Ambidextrous.

Thickness: 0,08 mm (\*). Length: 240 mm (\*). Colour: blue.



x10



6/7(S), 7/8 (M),  
8/9(L), 9/10(XL)



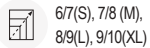
**SINGER**





### AUU1010

Single use gloves. Dispenser box of 100 gloves.  
Unsupported. Latex. AQL 1,5. Powder free. Non sterile.  
Wrist: rolled edge. Ambidextrous.  
Thickness: 0.14mm (\*). Length: 245mm (\*). Colour: white.

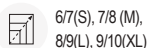


**SINGER**



### AUULAT

Single use gloves. Dispenser box of 100 gloves.  
Unsupported. Latex. AQL 1,5. Powder free. Non sterile.  
Wrist: rolled edge. Ambidextrous.  
Thickness: 0.10mm (\*). Length: 240mm (\*). Colour: white.



**SINGER**











**Triple layer reinforcement  
protecting palm and fingertips  
against needles and sharp objects (\*)**

First layer: cotton interlock.  
Improves comfort for the user /  
Second layer: silica. Improves flexibility and  
deformation resistance /  
Third layer: stainless steel.  
Improves cut and puncture resistance.

(\*) protection within the limits of the test results.



PROTECTION  
AGAINST  
PUNCTURE

PIC13F

Protective gloves.

Liner: high density polyethylene and elastane, seamless knitted.

Gauge: 13. Wrist: elastic knit with piping.

Coating: sandy nitrile, coated on palm. Pierce resistant layer: metal knitted layer and cotton lined silica film on the palm and on fingertips.

Reinforcement patch: fingertips. Colour: black and blue.



4.X.4.3.F



ANSI - CUT



ASTM F2876  
Level 3



10x5

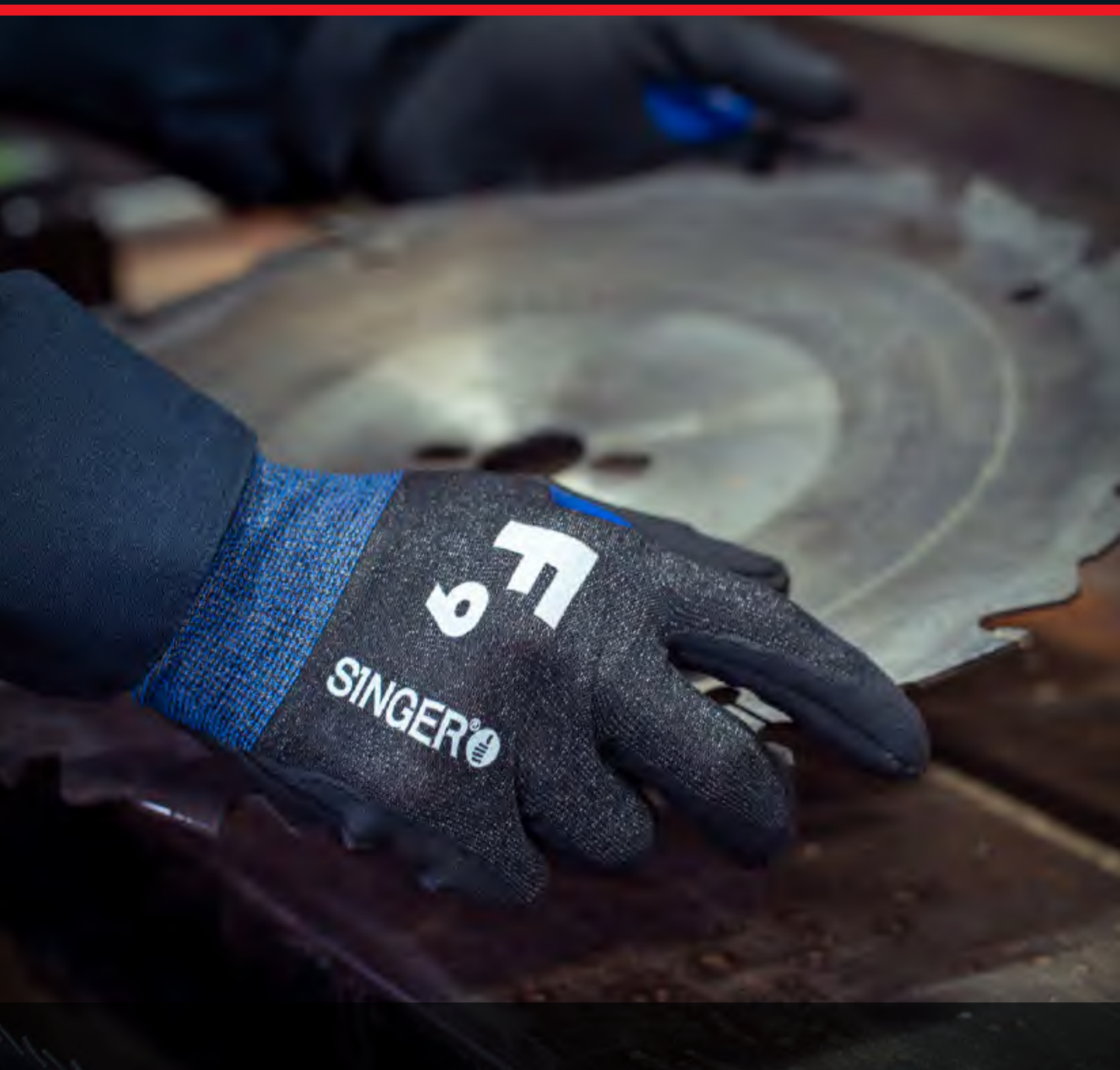


6→11



**SINGER**





[ GAUGE 21 ]

### PHD621NIB

Protective gloves. Liner: polyester, high density polyethylene, elastane and tungsten, seamless knitted. Gauge: 21.

Wrist: elastic knit with piping. Coating: nitrile micro-foam, coated on palm.

Reinforcement patch: nitrile between thumb and forefinger.

Colour: blue, black and grey.



4.X.3.1.F



10x10



6→11



**SINGER**









PROTECTION  
AGAINST  
SHOCKS

### PHS500P

Protective gloves. Liner: polyamide, high density polyethylene, elastane and glass fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping. Coating: nitrile micro-foam, coated on palm. Shockproof reinforcement: PVC, stitched on fingers and on back. Reinforcement patch: PU/polyamide, stitched between thumb and forefinger. Colour: white, black, grey and red.



4.X.4.3.F.P



12x5



8→11



SINGER



### PHS500

Protective gloves. Liner: high density polyethylene and stainless steel fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping. Coating: nitrile micro-foam, coated on palm. Reinforcement patch: nitrile, between thumb and forefinger. Colour: black and grey.



4.X.4.3.F



10x10



7→11



SINGER



### PHS600

Protective gloves. Liner: high density polyethylene and stainless steel fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Reinforcement patch: nitrile, between thumb and forefinger. Colour: black and grey.



4.X.4.3.F



10x10

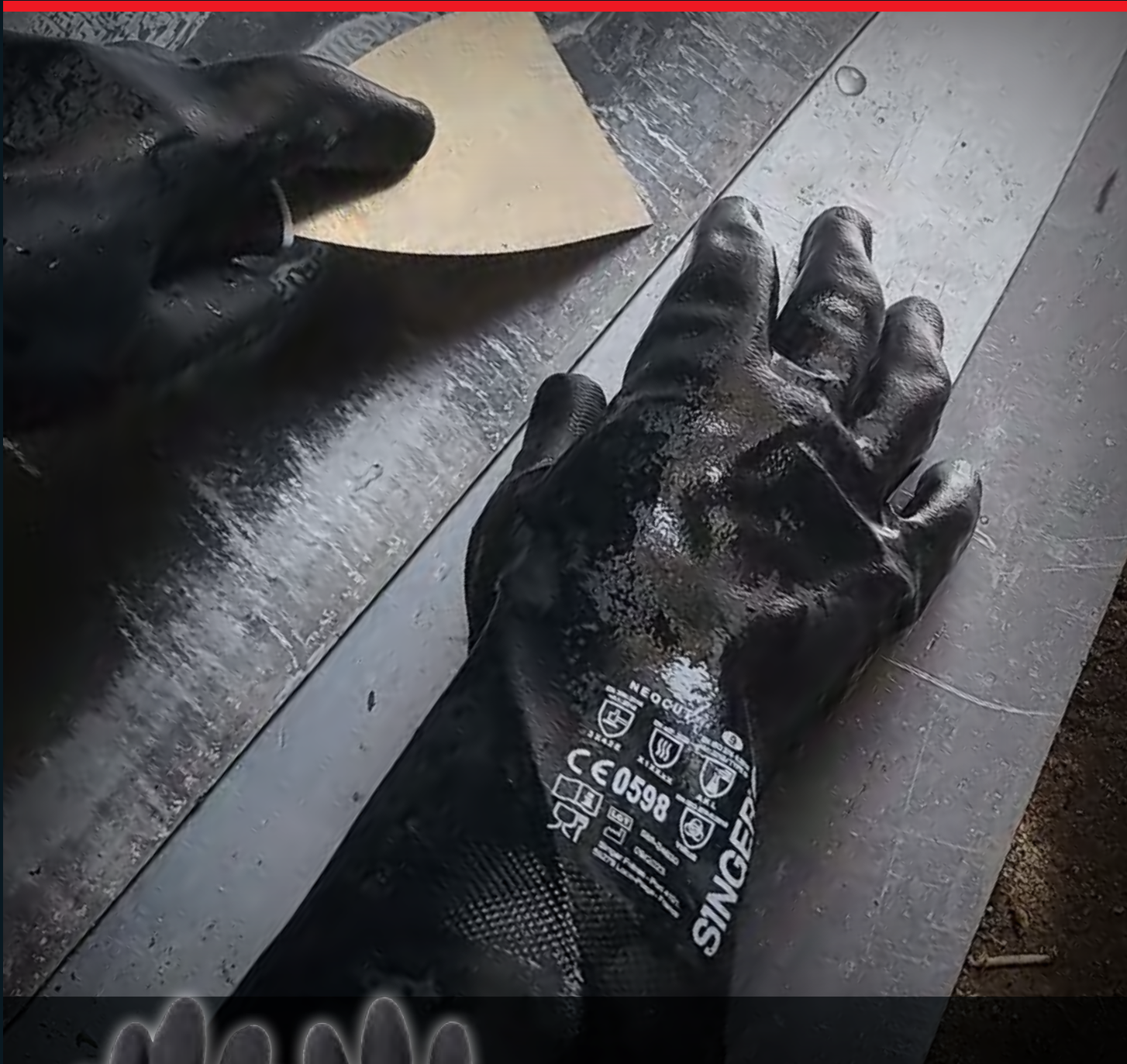


6→11



SINGER





GLOVES  
MULTIRISKS

FOOD  
CONTACT

## NEOCUT

Protective gloves. Liner: high density polyethylene, seamless knitted. Gauge: 10.

Cuff: straight edge with piping. Length: 370 mm\*. Thickness: 1,70 mm\*.

Coating: polychloroprene, fully coated.

Exterior finishing: smooth (cuff and back) and embossed (palm). Colour: black.



3.X.4.2.E



X.1.X.X.X.X



Type B  
A.K.L



VIRUS



EUROPEAN REGULATIONS  
1935/2004 AND FRENCH  
DECREE OF 05/08/2020



5x10



8→11



**SINGER**

(\*) Average values





REINFORCEMENT  
PATCH  
WITH LEATHER

### PHDCUT

Protective gloves. Liner: high density polyethylene, seamless knitted. Gauge: 10.  
Wrist: elastic knit with piping. Reinforcement patch: leather, stitched  
on fingers, on palm, between thumb and forefinger.  
«Fourchettes» pattern. Colour: white, black and grey.



4.4.4.4.D



X.2.X.X.X.X

6x10

8→11



SINGER



SEWN WITH  
KEVLAR®

### 50GHBBK

Protective gloves.  
Palm: cow grain leather, water-repellent. Back: cow grain leather, water-repellent.  
Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately.  
Shirred elastic back. Wrist: elastic knit with vein patch protection.  
Lining: Kevlar®. Colour: natural and beige.



2.X.2.1.D



X.1.X.X.X.X

5x10

7→11



SINGER





GAUGE 18

## PHD84NIB

Protective gloves. Liner: polyester, high density polyethylene and elastane, seamless knitted. Gauge: 18. Wrist: elastic knit with piping.

Coating: nitrile micro-foam, ¾ coated. Colour: black, grey and orange.



3.X.4.2.D



10x10



6→11



SINGER



GAUGE 18

## PHD18NIB

Protective gloves. Liner: polyester, high density polyethylene and elastane, seamless knitted. Gauge: 18. Wrist: elastic knit with piping.

Coating: nitrile micro-foam, coated on palm. Colour: black, grey and orange.



3.X.4.2.D



10x10



6→11



SINGER





### SNOWCUT®

Protective gloves. Liner: high density polyethylene, seamless knitted. Gauge: 10.

Wrist: elastic knit with piping. Lining: acrylic terry.

Coating: nitrile foam, coated on palm. Colour: black and grey.



4.X.4.2.D



X.1.X



X.2.X.X.X.X



5x10



8→11



SINGER



## PHD557ICE

Protective gloves.

Liner: high density polyethylene and glass fibers, seamless knitted.

Gauge: 13. Wrist: elastic knit with piping. Lining: acrylic terry.

Double coating. First layer: smooth nitrile, fully coated.

Second layer: sandy nitrile foam, coated on palm. Colour: white, black and grey.



4.X.4.3.D



X.2.X



X.2.X.X.X.X



10x5



8-11



SINGER



## PHD534ICE

Protective gloves.

Liner: high density polyethylene and glass fibers, seamless knitted.

Gauge: 13. Wrist: elastic knit with piping. Lining: acrylic terry.

Double coating. First layer: smooth nitrile, ¾ coated.

Second layer: sandy nitrile foam, coated on palm. Colour: white, black and grey.



4.X.4.3.D



X.2.X



X.2.X.X.X.X



10x5



8-11



SINGER



## PHD500ICE

Protective gloves.

Liner: high density polyethylene and glass fibers, seamless knitted.

Gauge: 13. Wrist: elastic knit with piping. Lining: acrylic terry.

Double coating. First layer: smooth nitrile, coated on palm.

Second layer: sandy nitrile foam, coated on palm. Colour: white, black and grey.



4.X.4.3.D



X.2.X



X.2.X.X.X.X



10x5



8-11



SINGER





DOUBLE  
COATING

### PHD557

Protective gloves.

Liner: high density polyethylene and glass fibers, seamless knitted.

Gauge: 13. Wrist: elastic knit with piping.

Double coating. First layer: smooth nitrile, fully coated.

Second layer: sandy nitrile foam, coated on palm. Colour: white, black and grey.



4.X.4.3.D



X.1.X.X.X.X



10x10



6→11



SINGER



DOUBLE  
COATING

### PHD534

Protective gloves.

Liner: high density polyethylene and glass fibers, seamless knitted.

Gauge: 13. Wrist: elastic knit with piping.

Double coating. First layer: smooth nitrile, ¾ coated.

Second layer: sandy nitrile foam, coated on palm. Colour: white, black and grey.



4.X.4.3.D



X.1.X.X.X.X



10x10



6→11



SINGER



DOUBLE  
COATING

### PHD500

Protective gloves.

Liner: high density polyethylene and glass fibers, seamless knitted.

Gauge: 13. Wrist: elastic knit with piping.

Double coating. First layer: smooth nitrile, coated on palm.

Second layer: sandy nitrile foam, coated on palm. Colour: white, black and grey.



4.X.4.3.D



X.1.X.X.X.X



10x10



6→11



SINGER





## PHD50RED

Protective gloves. Liner: high density polyethylene, elastane, polyester fibers, glass fibers and stainless steel fibers, seamless knitted. Gauge: 15.

Wrist: elastic knit with piping. Coating: nitrile micro-foam, coated on palm.

Reinforcement patch: nitrile, between thumb and forefinger. Colour: black and red.



4.X.4.2.D



X.1.X.X.X.X



10x10



6→11



SINGER



[ WITH DOTS ]

## PHD54RED

Protective gloves. Liner: polyester, high density polyethylene, elastane and glass fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping.

Coating: nitrile micro-foam, ¾ coated.

Reinforcement patch: nitrile, between thumb and forefinger.

Dots: nitrile, on palm. Colour: black and red.



4.X.4.3.D



X.1.X.X.X.X



10x10



8→11



SINGER



[ WITH DOTS ]

## PHD5RED

Protective gloves. Liner: polyester, high density polyethylene, elastane and glass fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping.

Coating: nitrile micro-foam, coated on palm.

Reinforcement patch: nitrile, between thumb and forefinger.

Dots: nitrile, on palm. Colour: black and red.



4.X.4.3.D



X.1.X.X.X.X



10x10



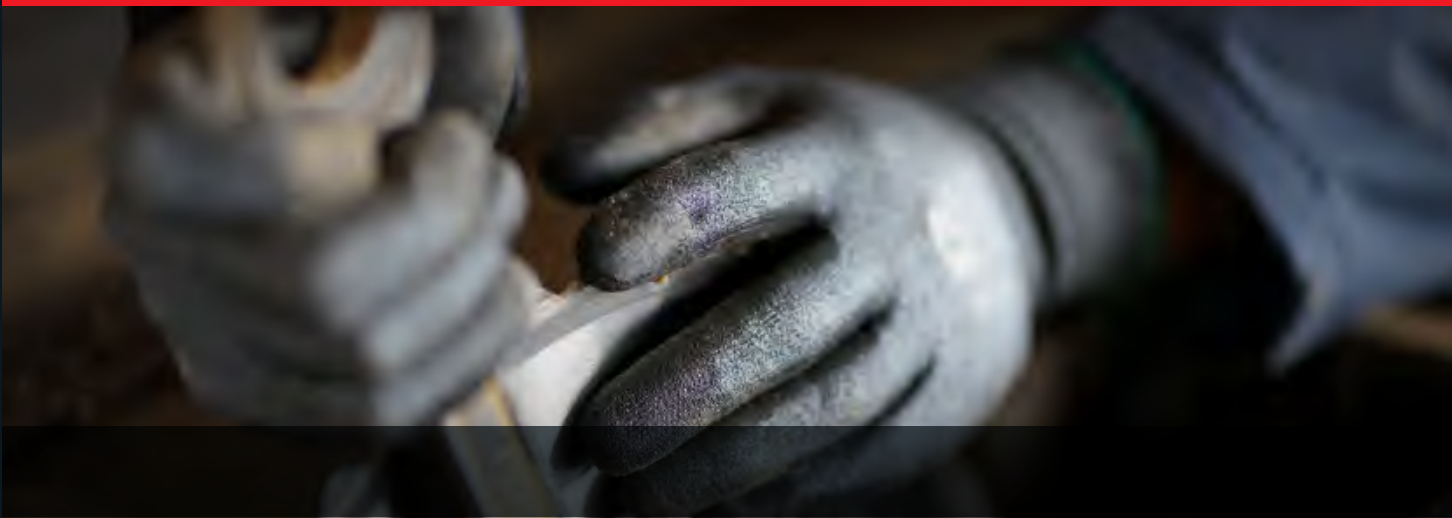
8→11



SINGER







[ GAUGE 18 ]

### PHD18PUB

Protective gloves.

Liner: polyamide, high density polyethylene and elastane, seamless knitted. Gauge: 18.

Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: black and blue grey.



3.X.4.2.D



10x10



6→11



SINGER



[ LONG WRIST ]

[ REINFORCEMENT  
BETWEEN THUMB AND  
FOREFINGER ]

### PHD305PU

Protective gloves.

Liner: polyamide, high density polyethylene, elastane and glass fibers, seamless knitted.

Gauge: 13. Wrist: elastic knit with piping. Coating: polyurethane, coated on palm.

Reinforcement patch: stitched between thumb and forefinger. Colour: grey.



4.X.4.3.D



10x10



6→11



SINGER



[ FLEXIBLE  
COATING ]

### PHD135PU

Protective gloves.

Liner: polyamide, high density polyethylene, elastane and glass fibers, seamless knitted.

Gauge: 13. Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: grey.



4.X.4.3.D



10x10



6→11



SINGER





## PHD335PU

Protective gloves. Liner: polyester, high density polyethylene and elastane, seamless knitted.

Gauge: 13. Wrist: elastic knit with piping.

Coating: polyurethane, coated on palm. Colour: grey and black.



4.X.4.3.D



10x10



6→12



SINGER



## PHD335PUR

Protective gloves. Liner: polyester, high density polyethylene and elastane, seamless knitted.

Gauge: 13. Wrist: elastic knit with piping. Coating: polyurethane, coated on palm.

Reinforcement patch: nitrile, glued between thumb and forefinger. Colour: grey and black.



4.X.4.3.D



10x10



6→12



SINGER



## PHD335LAT

Protective gloves. Liner: polyester, high density polyethylene, elastane and glass fibers,

seamless knitted. Gauge: 13. Wrist: elastic knit with piping.

Coating: crinkle latex, coated on palm. Colour: black, grey and white.



3.X.4.3.D



X.1.X.X.X.X



10x10



6→11



SINGER



## PHD335NIF

Protective gloves. Liner: polyester, high density polyethylene, elastane and glass fibers,

seamless knitted. Gauge: 13. Wrist: elastic knit with piping.

Coating: sandy nitrile, coated on palm. Colour: grey, black and white.



4.X.4.2.D



X.1.X.X.X.X



10x10



6→12



SINGER





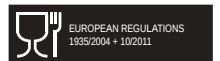
FOOD  
CONTACT

### PHS400B

Protective gloves. Liner: polyester, high density polyethylene, elastane, glass fibers and stainless steel fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping. Uncoated. Colour: blue and white.



4.X.4.2.D



10x10

6→12



**SINGER**



### PHS5PU

Protective gloves. Liner: polyester, high density polyethylene, elastane and stainless steel fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: grey.



4.X.4.2.C

10x10

6→11



**SINGER**





[ BI-POLYMER ]

### NX430

Protective gloves. Liner: synthetic fibers and glass fibers, seamless knitted.

Gauge: 10. Wrist: elastic knit with piping.

Coating: bi-polymer (polyurethane and nitrile), fully coated. Colour: black and grey.



4.X.3.1.B



X.1.X.X.X.X



10x10



7→11



**NINJA**



### PHD133PU

Protective gloves. Liner: polyamide, high density polyethylene and elastane,

seamless knitted. Gauge: 13. Wrist: elastic knit with piping.

Coating: polyurethane, coated on palm. Colour: grey.



4.X.4.2.B



10x10



6→11



**SINGER**



### PHD31PU

Protective gloves. Liner: polyester, high density polyethylene, elastane

and glass fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping.

Coating: polyurethane, coated on palm. Colour: white and grey.



4.X.4.1.B



10x10



6→11



**SINGER**











## LAT57

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping. Lining: acrylic terry.

Double coating. First layer: smooth latex, fully coated.

Second layer: sandy latex foam, coated on palm. Colour: black and grey.



2.1.3.1.X



X.2.X



10x5



8→11



SINGER



## SNOWFLEX

Protective gloves. Liner: polyamide, seamless knitted. Gauge: 10.

Wrist: elastic knit with piping. Lining: acrylic terry.

Coating: latex foam, fully coated. Colour: black.



2.2.2.2.B



X.2.X



X.2.X.X.X.X



10x10



9→11



SINGER



## TAC10R

Protective gloves. Liner: acrylic, seamless knitted. Gauge: 10.

Wrist: elastic knit with piping. Lining: acrylic terry.

Coating: sandy latex foam, coated on palm. Colour: black and orange.



1.1.3.1.X



X.1.X



10x10



8→11



SINGER



## TAC30R

Protective gloves. Liner: acrylic, seamless knitted. Gauge: 10.

Wrist: elastic knit with piping. Lining: acrylic terry.

Coating: crinkle latex, coated on palm. Colour: black and orange.



2.1.3.1.X



X.2.X



10x10

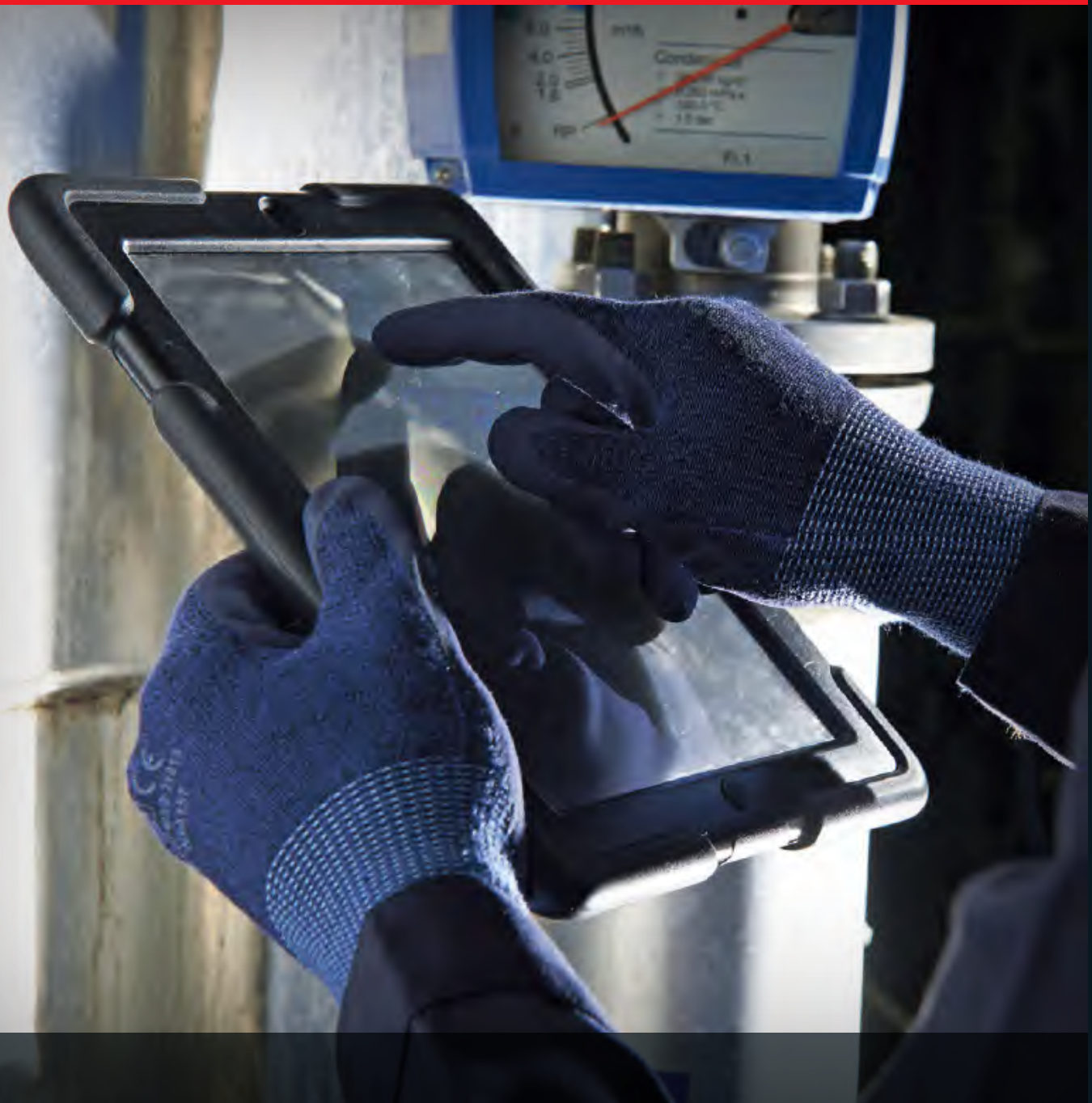


8→11



SINGER





SCREENTOUCH  
GLOVES  
AGAINST COLD

NSA15T

Protective gloves.

Liner: acrylic, polyamide and elastane, seamless knitted. Gauge: 15.

Wrist: elastic knit with piping. Coating: nitrile foam, coated on palm. Colour: blue.



4.1.2.1.A



X.1.X



X.1.X.X.X.X



10x10



7→11



SINGER







HYDROPELLENT™  
TECHNOLOGY

The unique formulation coating,  
with acrylic terry lining,  
**remains soft and flexible**  
in temperature as low as -50°C !







### NI10

Protective gloves.

Liner: polyamide with water repellent treatment, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping. Lining: acrylic terry.

Coating: HPT™, ¾ coated. Colour: black.



3.2.3.1.X



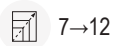
X.2.X



X.1.X.X.X.X



10x5



7-12



**NINJA**



### NI00

Protective gloves.

Liner: polyamide with water repellent treatment, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping. Lining: acrylic terry.

Coating: HPT™, coated on palm. Colour: black.



3.2.3.1.X



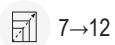
X.2.X



X.1.X.X.X.X



10x5



7-12



**NINJA**



### NI00HV

Protective gloves.

Liner: polyamide with water repellent treatment, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping. Lining: acrylic terry.

Coating: HPT™, coated on palm. Colour: black and bright yellow.



3.2.3.1.X



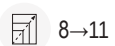
X.2.X



X.1.X.X.X.X



10x5



8-11



**NINJA**





## FJORD

Protective gloves. Palm: cow grain leather. Back: cow grain leather. Gunn cut pattern. Wing thumb. One piece forefinger. Middle and ring fingers sewn separately. Shirred elastic back. Lining: acrylic fur, turned over on the wrist. Colour: yellow.



2.1.2.3.X



2.2.X



10x5



9→11



SINGER



## 56GYPA00

Protective gloves. Palm: cow grain leather. Back: cow grain leather. Gunn cut pattern. Wing thumb. One piece forefinger. Middle and ring fingers sewn separately. Lining: acrylic fur. Shirred elastic back. Wrist: with piping. Colour: yellow.



2.1.1.1.X



X.1.0



10x5



10→11



SINGER



## 56GYP00

Protective gloves. Palm: cow grain leather. Back: cow grain leather. Gunn cut pattern. Wing thumb. One piece forefinger. Middle and ring fingers sewn separately. Lining: cotton fleece. Shirred elastic back. Wrist: with piping. Colour: yellow.



2.1.1.1.X



X.1.0



10x10



10→11



SINGER











[ SPECIAL COLD ]

## TBC

Protective gloves. Liner: acrylic, seamless knitted. Gauge: 13.  
 Wrist: elastic knit with piping. Uncoated. Warm terry interior.  
 Reinforcement patch: PVC, glued between thumb and forefinger.  
 Dots: PVC, on palm. Colour: blue.



1.1.2.1.X



X.1.X



10x10



7→10



SINGER



[ AMBIDEXTROUS ]

## THR71308

Protective gloves. Liner: synthetic fibers and elastane, seamless knitted.  
 Gauge: 13. Wrist: elastic knit with piping. Uncoated. Colour: blue.



0.1.2.1.X



10x10



One size only



SINGER



[ AMBIDEXTROUS ]

## FROST

Protective gloves. Liner: bamboo fibers and elastane, seamless knitted.  
 Gauge: 13. Wrist: elastic knit with piping. Uncoated. Colour: blue.



30x10



One size only



SINGER





### MANSOUD

Protective sleeves. Material: cow split leather, aramid yarn.  
Elbow in fire retardant Proban® fabric. Thickness: 1,4 mm ( $\pm 0,1$ ). Length: 50 cm.  
Press-studs at elbow. Elastic knitted wrist. Colour: brown. Sold by pair.



Class 2 A1+A2



Class  
A1+A2, B1, C1, F1



4x5



**SINGER**



### SOUDPRO

Handshield. Inner side: cow split leather, fire retardant treatment.  
Outer side: aluminum and PMMA. Seams: para-aramid.  
Double elastic fastening. Colour: silver, brown, and black.



5x10



L



**SINGER**





## SOUDAM

Protective sleeves. Material: cow split leather, aramid yarn.  
Length: 40 cm ( $\pm 2,0$ ). Thickness: 1,4 mm ( $\pm 0,1$ ).  
Elasticated on both sides. Colour: natural grey. Sold by pair.



Class 1/2 A1



SINGER



## PYROMTE

Protective sleeves. Fire resistant fabric, flame retardant.  
Material: 98% cotton and 2% carbon, 350 gsm. Length: 45 cm.  
Shirred elastic wrist. Adjustment at elbow with hook-and-loops flap.  
Colour: blue. Sold by pair.



Class 1 A1+A2

Class A1+A2, B1, C1, E1



SINGER



## BCLMTE35

Protective sleeves. Material: 100% cotton (terry). Length: 35 cm.  
Elastic band with button at elbow.  
Elastic knitted wrist. Colour: natural. Sold by pair.



2.1.4.1.X

X.1.X.X.X.X



SINGER



## COTMTE40

Sleeves. Material: 100% cotton, non-permanent flame retardant. Length: 40 cm.  
Elastic band at elbow. Elastic knitted wrist. Colour: natural. Sold by pair.



SINGER



**MANCUT46F**

Protective sleeves. Material: high density polyethylene, polyamide and elastane. Gauge: 13. Length: 46 cm. Adjustment at elbow with hook-and-loops flap. Thumb opening. Ambidextrous. Colour: grey. Sold by piece.



3.X.4.1.F



10x10

**SINGER** **PHDMTE46**

Protective sleeves. Material: 74% high density polyethylene, 23% polyamide and 3% elastane. Gauge: 13. Length: 46 cm. Adjustment at elbow with hook-and-loops flap. Thumb opening. Ambidextrous. Colour: grey. Sold by piece.



3.5.4.2.D



10x10

**SINGER** **PHSMTE50**

Protective sleeves. Material: 51% high density polyethylene, 36% polyester, 9% steel and 4% elastane. Gauge: 13. Length: 50 cm. Elastic adjustment at elbow with piping. Thumb opening. Ambidextrous. Colour: grey. Sold by piece.



3.X.4.2.D



10x10

**SINGER** **TKVMTE46**

Protective sleeves.

Material: 100% Kevlar®, double thickness. Length: 46 cm. Thumb opening. Ambidextrous. Colour: yellow. Sold by piece.



1.3.4.3.C



X.1.X.X.X.X



40x5

**SINGER**



## PVCMT EVER

Protective sleeves. Material: PVC.

Length: 40 cm. Elastic band at elbow. Elastic knitted wrist. Colour: green. Sold by pair.



SINGER



## MANBLEU

Protective sleeves. Material: 100% cotton (not fire resistant). Length: 40 cm.

Adjustment at elbow with hook-and-loops flap. Shirred elastic wrist. Colour: blue. Sold by pair.



SINGER



## AUUMTEBLE

Blue polyethylene sleeves.

Length: 40 cm. Thickness: 0,018 mm. Elastic at both ends. Polybag of 1000 pieces.



SINGER



## AUUMTE

Clear polyethylene sleeves.

Length: 40 cm. Thickness: 0,018 mm. Elastic at both ends. Polybag of 1000 pieces.



SINGER



## PINCEGANTS

Gloves fastener. This small clip is attached on the loop of the pants or the jacket, the big clip catches the gloves.



SINGER



Standards presented in this document are not exhaustive and may change at any time. They are given for information purpose and cannot engage our responsibility in any case. If necessary, it is up to the reader of this catalogue to obtain useful and official documents in order to check the exact content of each standard.

## STANDARDS

|              |                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------|
| EN ISO 21420 | Protective gloves:<br>general requirements and test methods.                                                         |
| EN 388       | Protective gloves:<br>against mechanical risks.                                                                      |
| EN 374-1     | Protective gloves:<br>against dangerous chemicals and micro-organisms -<br>terminology and performance requirements. |
| EN 374-2     | Protective gloves:<br>against dangerous chemicals and micro-organisms -<br>penetration resistance.                   |
| EN 16523-1   | Protective gloves:<br>material resistance to permeation by chemicals.                                                |
| EN 374-4     | Protective gloves:<br>degradation resistance by chemicals.                                                           |
| EN 374-5     | Protective gloves:<br>against micro-organisms (according to EN 374-2: 2014).                                         |
| ISO 18889    | Protective gloves:<br>pesticides handling.<br>Performance requirements                                               |
| EN 407       | Protective gloves:<br>against thermal risks (heat and/or fire).                                                      |
| EN 12477+ A1 | Protective gloves:<br>for welders.                                                                                   |
| EN 511       | Protective gloves:<br>against cold.                                                                                  |
| EN 16350     | Protective gloves:<br>electrostatic properties.                                                                      |
| EN ISO 10819 | Protective gloves:<br>vibrations and mechanical shocks.                                                              |
| EN 60903     | Protective gloves:<br>for electrical works.                                                                          |

## EN ISO 21420 - PROTECTIVE GLOVES

General requirements and test methods.  
This standard specifies the essential requirements for ergonomics,  
safety, marking, information and instructions for use.

## EN 388 - AGAINST MECHANICAL RISKS

|                                                                                                                                                                                                                                                             |   |                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------|
| <br>1.2.3.4.F.P                                                                                                                                                           | 1 | Abrasion resistance.<br>Level 1 to 4 (4 being the best).                        |
|                                                                                                                                                                                                                                                             | 2 | Blade cut resistance.<br>Level 1 to 5 (5 being the best).                       |
|                                                                                                                                                                                                                                                             | 3 | Tear resistance.<br>Level 1 to 4 (4 being the best).                            |
|                                                                                                                                                                                                                                                             | 4 | Puncture resistance.<br>Level 1 to 4 (4 being the best).                        |
|                                                                                                                                                                                                                                                             | F | Cut resistance (ISO13997)<br>Level A to F (F being the best).                   |
|                                                                                                                                                                                                                                                             | P | Resistance against impact (according to EN 13594)<br>Marking P (optional test). |
| For gloves that contain materials which can get dulls to the blade,<br>and additional compulsory test must be performed according<br>to EN ISO 13997 test method (TDM 100 tester).<br>This test may also be optional for gloves that do not dull the blade. |   |                                                                                 |

## EN 511 - AGAINST THE COLD

|                                                                                               |   |                                                      |
|-----------------------------------------------------------------------------------------------|---|------------------------------------------------------|
| <br>A.B.C | A | Convective cold.<br>Level 0 to 4 (4 being the best). |
|                                                                                               | B | Contact cold.<br>Level 0 to 4 (4 being the best).    |
|                                                                                               | C | Waterproofness.<br>Level 0 (No) or 1 (Yes).          |

EN 407 - AGAINST THERMAL RISKS  
(HEAT AND/OR FIRE)

|                                                                                                                                                           |   |                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------|
| Protection<br>against fire:<br><br>A.B.C.D.E.F                        | A | Burning behaviour.<br>Level 1 to 4 (4 being the best).                                                                 |
|                                                                                                                                                           | B | Contact heat (threshold time ≥ 15 s).<br>Level 1 to 4 (4 being the best).<br>1= 100°C / 2= 250°C / 3= 350°C / 4= 500°C |
|                                                                                                                                                           | C | Convective heat.<br>Level 1 to 4 (4 being the best).                                                                   |
| Protection<br>against heat:<br><br>X.B*.C.D.E.F<br>(*): Max: Level 2. | D | Radiant heat.<br>Level 1 to 4 (4 being the best).                                                                      |
|                                                                                                                                                           | E | Small splashes of molten metal.<br>Level 1 to 4 (4 being the best).                                                    |
|                                                                                                                                                           | F | Large splashes of molten metal.<br>Level 1 to 4 (4 being the best).                                                    |

## EN 12477 + A1 - FOR WELDERS

|        |                                                |
|--------|------------------------------------------------|
| Type A | More general welding<br>and cutting operations |
| Type B | Higher dexterity<br>for TIG welding            |



## FOOD CONTACT



This law defines the set of rules ensuring that materials or objects in contact with food (packaging, utensils, machines...) do not release hazardous substances, do not alter the food, and are safe for human health.

## EN 374 - AGAINST CHEMICALS



|        |                                                                                  |
|--------|----------------------------------------------------------------------------------|
| Type A | Breakthrough time $\geq 30$ min for at least 6 chemicals of the list (see below) |
| Type B | Breakthrough time $\geq 30$ min for at least 3 chemicals of the list (see below) |
| Type C | Breakthrough time $\geq 10$ min for at least 1 chemical of the list (see below)  |

|         |                            |                                  |                                     |
|---------|----------------------------|----------------------------------|-------------------------------------|
| A       | Methanol                   | 67-56-1                          | Primary alcohol                     |
| B       | Acetone                    | 67-64-1                          | Ketone                              |
| C       | Acetonitrile               | 75-05-8                          | Nitrile composite                   |
| D       | Dichloromethane            | 75-09-2                          | Chlorinated hydrocarbon             |
| E       | Carbone Disulphide         | 75-15-0                          | Organic compound containing Sulphur |
| F       | Toluene                    | 108-88-3                         | Aromatic hydrocarbon                |
| G       | Diethylamine               | 109-89-7                         | Amine                               |
| H       | Tetrahydrofurane           | 109-99-9                         | Heterocyclic Ether                  |
| I       | Ethyl acetate              | 141-78-6                         | Ester                               |
| J       | n-Heptane                  | 142-82-5                         | Saturated Hydrocarbon               |
| K       | Sodium hydroxide 40%       | 1310-73-2                        | Inorganic base                      |
| L       | Sulphuric acid 96%         | 7664-93-9                        | Inorganic mineral acid, oxidising   |
| M       | nitric acid (65% $\pm$ 3%) | 7697-37-2                        | Inorganic mineral acid              |
| N       | acetic acid (99% $\pm$ 1%) | 64-19-7                          | Organic acid                        |
| O       | ammonia 25%                | 1336-21-6                        | Organic base                        |
| P       | hydrogen peroxide 30%      | 7722-84-1                        | Peroxide                            |
| S       | hydrofluoric acid 40%      | 7664-39-3                        | Inorganic mineral acid              |
| T       | formaldehyde 37%           | 50-00-0                          | Aldehyde                            |
| Class 1 |                            | Breakthrough time: > 10 minutes  |                                     |
| Class 2 |                            | Breakthrough time: > 30 minutes  |                                     |
| Class 3 |                            | Breakthrough time: > 60 minutes  |                                     |
| Class 4 |                            | Breakthrough time: > 120 minutes |                                     |
| Class 5 |                            | Breakthrough time: > 240 minutes |                                     |
| Class 6 |                            | Breakthrough time: > 480 minutes |                                     |

## EN 374-5 - AGAINST MICRO-ORGANISMS



Protection against bacteria and fungi

VIRUS = with additional permeation test to virus (ISO16604)

## EN 16350 - ELECTROSTATIC PROPERTIES



Each individual measurement shall satisfy:  
the vertical resistance requirement:  $R_v < 1,0 \times 10^8 \Omega$ .  
Test method according to EN 1149-2: 1997.

## ISO 18889 - PESTICIDES HANDLING



|    |                                                                                           |
|----|-------------------------------------------------------------------------------------------|
| G1 | Low potential risk. Diluted pesticides. Without mechanical resistance.                    |
| G2 | Medium potential risk. Diluted or concentrated pesticides. Minimum mechanical resistance. |
| GR | Palm protection only. Dry residues of pesticides.                                         |

## EN ISO 14877 - PROTECTION FOR ABRASIVE BLASTING OPERATIONS



This standard specifies the minimum requirements and test methods for garments and hand protection used during abrasive blasting operations (such as sandblasting). It does not apply to steam, **water-jet, or flame-jet stripping operations.**

## EN 60903 - MAXIMAL TENSION OF USE



| AC       | DC       | Class |
|----------|----------|-------|
| 750 V    | 500 V    | 00    |
| 1 500 V  | 1 000 V  | 0     |
| 11 250 V | 7 500 V  | 1     |
| 25 500 V | 17 000 V | 2     |
| 39 750 V | 26 500 V | 3     |
| 54 000 V | 36 000 V | 4     |

## EN ISO 10819 - VIBRATION AND MECHANICAL SHOCKS

Hand-arm vibration. Measurement and evaluation of the vibration transmissibility from gloves to the palm of the hand.

## ASTM F2878 - PUNCTURE RESISTANCE TO AN HYPODERMIC NEEDLE



Level X

|         |                                                            |
|---------|------------------------------------------------------------|
| Level 1 | Puncture resistance with a less or an equal force to 2 N.  |
| Level 2 | Puncture resistance with a less or an equal force to 4 N.  |
| Level 3 | Puncture resistance with a less or an equal force to 6 N.  |
| Level 4 | Puncture resistance with a less or an equal force to 8 N.  |
| Level 5 | Puncture resistance with a less or an equal force to 10 N. |

«X» MEANS THAT THE GLOVE HAS NOT BEEN SUBMITTED TO THE TEST.











SOFT AND PLEASANT  
TOUCH MATERIAL



**PORTLAND** Colour: navy blue and black.

**PORGREY** Colour: grey and black.

Parka. Outside material: 100% polyester mechanical stretch (Oxford 300D) with TPU membrane, 190 gsm. Lining: 100% taffeta polyester (210T), 58 gsm. Padding: 100% polyester, 160 gsm (body and sleeves) and 100 gsm (hood). Taped seams. Removable hood by zipper with drawcords. 3 outer pockets and 1 inner pocket. Waterproof zip fastening under self-grip flap. Knitted wrists under the sleeves. Retro-reflective lines. Zip access for print.



10x1



S→4XL

**SINGER**



**PALANA** Colour: navy blue and black.

**PALAGA** Colour: grey and black.

Parka. Outside material: 100% polyester (ripstop fabric) coated with PVC, 245 gsm. Lining: taffeta polyester (sleeves, bottom and hood, 55 gsm) and polar fleece polyester (body, 230 gsm). Padding: 100% polyester, 120 gsm. Taped seams. Removable hood by zipper with drawcords. 5 outer pockets and 2 inner pockets. Zip fastening (two ways) under self-grip flap. Retro-reflective lines. Zip access for print.



10x1



S→4XL

**SINGER**





**PARDAM** Colour: navy blue.

**PARDARK** Colour: black.

Parka with enhanced visibility.

Outside material: 100% polyester (Oxford 300D) coated with PU, 170 gsm.

Lining: 100% taffeta polyester (190T), 55 gsm. Padding: 100% polyester, 160 gsm.

Taped seams. Attached hood with drawcords, rolled into collar.

2 outer pockets and 2 inner pockets. Zip fastening under self-grip flap.

Knitted wrists under the sleeves. Retro-reflective tapes. Zip access for print.



3  
1  
X



10x1



S→4XL

**SINGER**



INCLUDED  
ARMBAND



**PARPALE**

Parka. Outside material: 100% polyester (Oxford 300D), coated with PU, 180 gsm.

Lining: 100% taffeta polyester, 50 gsm. Padding: 100% polyester, 160 gsm.

Taped seams. Attached hood with drawcords, rolled into collar.

4 outer pockets and 1 inner pocket. Zip fastening under self-grip flap.

Segmented flexible retro-reflective lines. Zip access for print. Colour: black.



10x1



S→4XL

**SINGER**



SOFT AND PLEASANT  
TOUCH MATERIAL



**BLUETON** Colour: navy blue and black.

**BOLTON** Colour: grey and black.

Bomber jacket. Outside material: 100% polyester mechanical stretch (Oxford 300D) with TPU membrane, 190 gsm.

Lining: 100% taffeta polyester (210T), 58 gsm.

Padding: 100% polyester, 160 gsm (body and sleeves) and 100 gsm (hood).

Taped seams. Attached hood with drawcords. 3 outer pockets and 1 inner pocket.

Waterproof zip fastening. Elasticated waist with water repellent treatment.

Knitted wrists under the sleeves. Retro-reflective lines. Zip access for print.



3  
1  
X



3  
3  
X  
WP



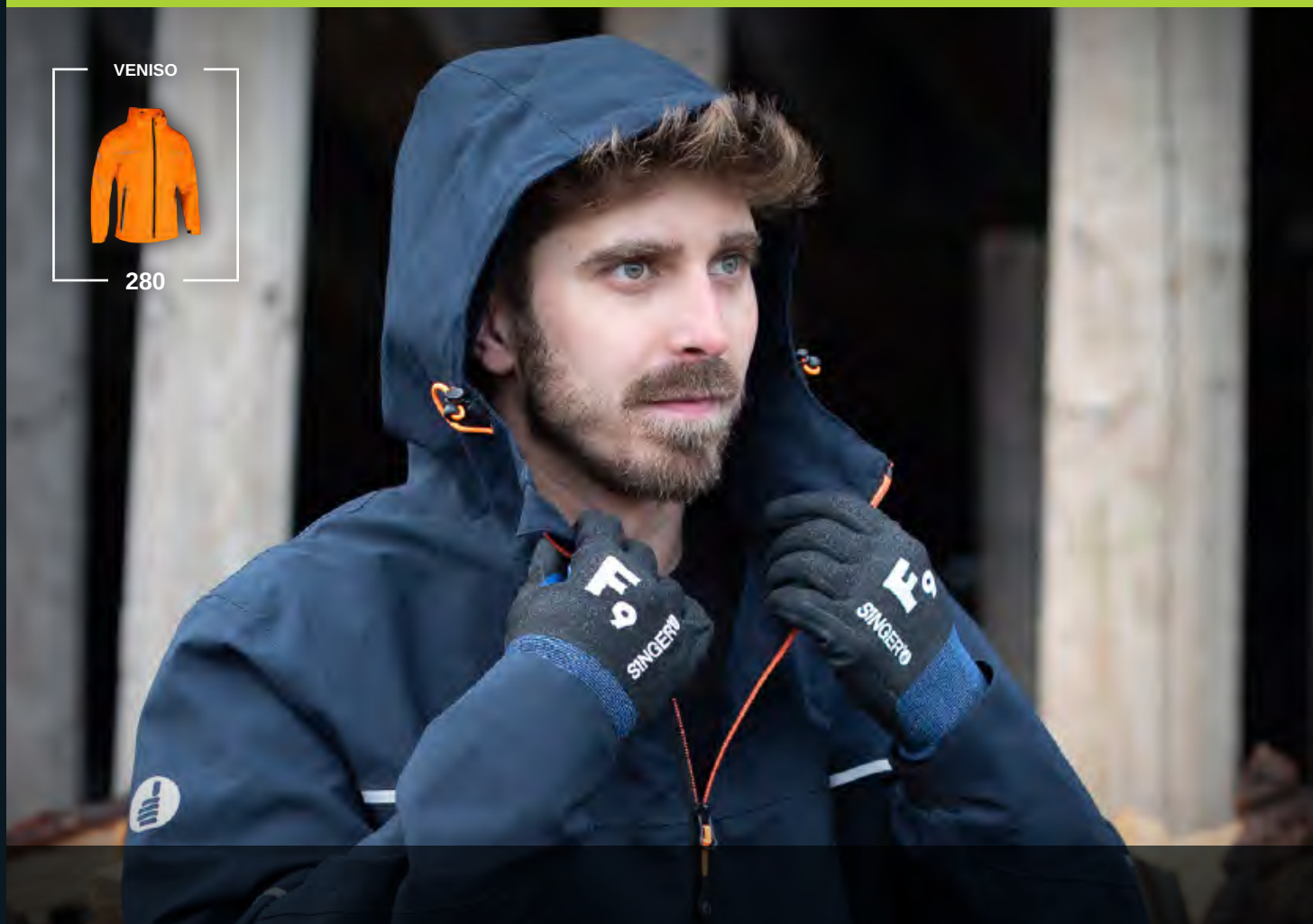
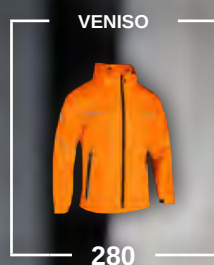
10x1



S→4XL

**SINGER**





### VENIBLU

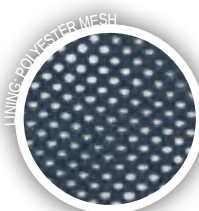
Windbreaker jacket. Outside material: 100% polyester mechanical stretch (Oxford 300D) with TPU membrane, 190 gsm.

Lining: polyester mesh (body and hood, 80g/m<sup>2</sup>) and taffeta polyester (sleeves, 58g/m<sup>2</sup>). Jacket rollable into the right pocket (when worn).

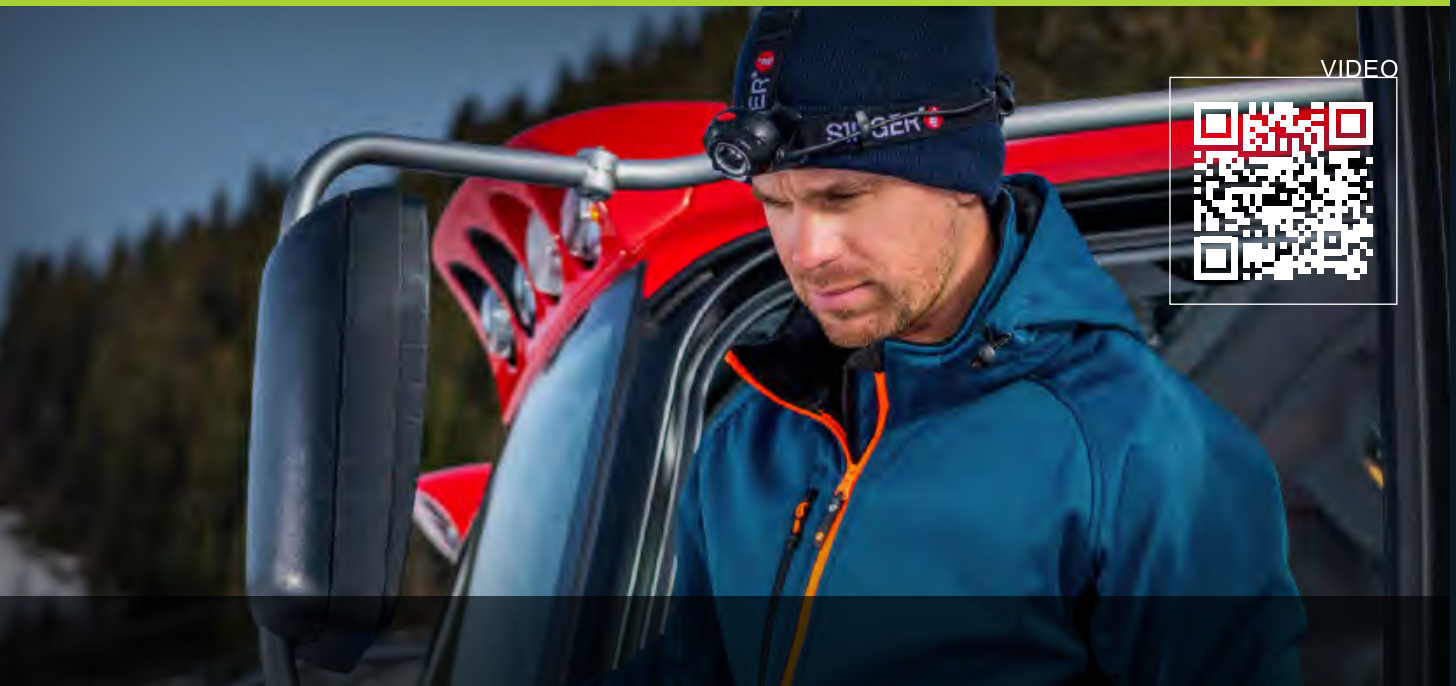
Taped seams. Attached hood with drawcords. 2 outer pockets and 1 inner pocket. Zip fastening. Zipped underarm vents. Elasticated wrists. Retro-reflective lines. Colour: navy blue, orange and grey.



**SINGER**







VIDEO



**VOLGAM** Colour: blue, black and orange.

**VOLGA** Colour: grey, black and orange.

Softshell jacket. First material: 100% polyester, with TPU membrane, 300 gsm. Second material: 94% polyester and 6% elastane, with TPU membrane, 300 gsm. Lining: polar fleece polyester. Removable hood by zipper with drawcords. 3 outer pockets. Zip fastening. Elasticated waist. Knitted wrists under the sleeves.



10x1



S→4XL

SINGER



**WINTOR** Colour: bronze and black.

**WINTAM** Colour: blue and black.

**WINTER** Colour: black.

Softshell jacket. First material: 94% polyester and 6% elastane (ripstop fabric) with TPU membrane, 300 gsm. Second material: 90% polyester and 10% elastane (ripstop fabric) with TPU membrane, 350 gsm. Lining: 100% polar fleece polyester. Removable hood by zipper with drawcords. 3 outer pockets. Zip fastening. Zipped underarm vents. Knitted wrists under the sleeves. Retro-reflective lines.



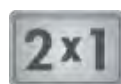
10x1



S→4XL

SINGER





### VANKOUVER

Softshell work jacket. Outside material: 96% polyester and 4% elastane, with TPU membrane, 320 gsm. Lining: 100% polar fleece polyester. Detachable sleeves. 4 outer pockets and 3 inner pockets. Zip fastening. Waist with drawcords and stoppers. Wrists with self-grip tapes. Retro-reflective lines. Colour: black, grey and red.



**SINGER**



### VANGOG

Softshell work jacket. Outside material: 96% polyester and 4% elastane, with TPU membrane, 320 gsm. Lining: 100% polar fleece polyester. Detachable sleeves. 4 outer pockets and 3 inner pockets. Zip fastening. Waist with drawcords and stoppers. Wrists with self-grip tapes. Reflective piping. Colour: white and black.



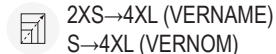
**SINGER**



**VERNAME** Colour: navy blue and orange.

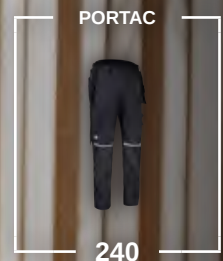
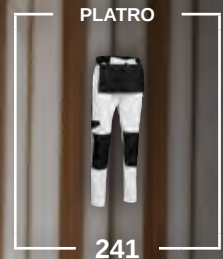
**VERNOM** Colour: black and grey.

Softshell jacket. Outside material: 96% polyester and 4% elastane, with TPU membrane, 300 gsm. Lining: 100% polar fleece polyester. 3 outer pockets. Zip fastening. Wrists with self-grip tapes.



**SINGER**







## POLEINE

Jacket. First material: 100% polyester (polar fleece/sherpa), 500 gsm. Second material: 90% polyester and 10% elastane (ripstop fabric), with TPU membrane, 160 gsm. 3 outer pockets. Zip fastening. Segmented retro-reflective lines. Colour: black.



10x1



S→4XL

SINGER



POLBLE Colour: blue and orange.  
POLNOIR Colour: black and orange.

Jacket. Outside material: 100% polar fleece polyester, 350 gsm. Lining: taffeta polyester. 2 outer pockets and 1 inner pocket. Zip fastening. Knitted wrists.



10x1



XS→4XL (POLBLE)  
2XS→4XL (POLNOIR)

SINGER



POLAM Colour: navy blue.  
POLOIR Colour: black.

Jacket. Material: 100% polyester (polar fleece), 290 gsm. 2 outer pockets. Zip fastening. Elasticated wrists.



10x1



S→4XL

SINGER





### VILNOR

Work jacket. Material: 65% polyester and 35% cotton, 245 gsm.  
Various outer pockets. Zip fastening under self-grip flap.  
Wrists with self-grip tapes. Reflective piping.  
Colour: black, grey and orange.



10x1 S→4XL

SINGER



VAR Colour: ink blue and black.

VARY Colour: grey and black.

Work jacket. Material: 100% cotton, 300 gsm.  
6 outer pockets and 2 inner pockets. Button closing under flap.  
Wrists with button.



10x1 S→4XL

SINGER





[ FLEECE  
& RIPSTOP ]



**POLARINE** Colour: navy blue.  
**POLANDE** Colour: taupe grey.

Sweater. First material: 100% polyester (polar fleece), 340 gsm.  
Second material: 94% polyester and 6% elastane (ripstop fabric),  
with TPU membrane, 300 gsm. 1 outer pocket.  
Stand-up collar with zipper. Waist with drawcords and stoppers.  
Knitted wrists. Retro-reflective lines.



10x1

S→4XL

**SINGER**



**SWAM** Colour: navy blue.  
**SWOIR** Colour: black.

Sweater. Material: 100% polyester (polar fleece), 290 gsm.  
2 outer pockets. Zip fastening. Thumb loops.

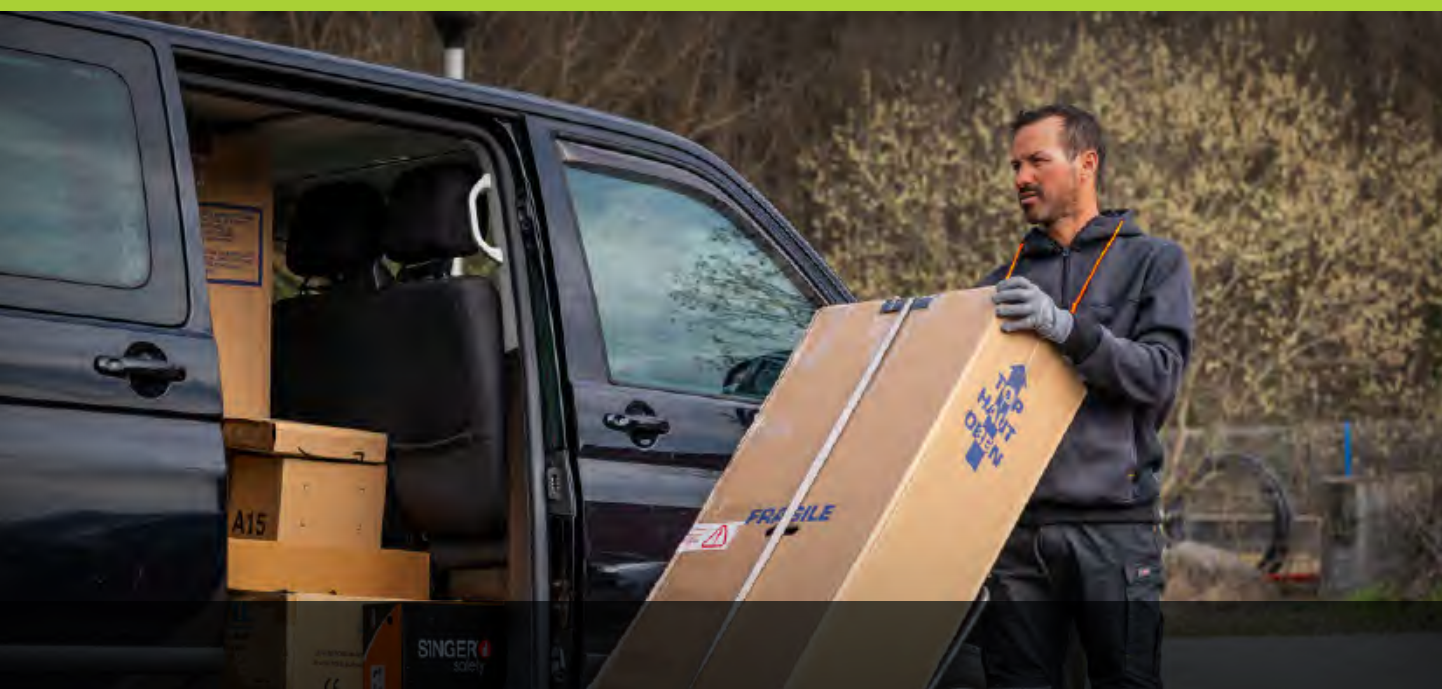


10x1

S→4XL

**SINGER**





**SAMAR** Colour: navy blue, black and orange.

**SAMY** Colour: grey, black and orange.

Sweat-shirt. Outside material: 100% polyester, 350 gsm.

Lining: 100% polar fleece polyester. Attached hood with drawcords.

2 outer pockets. Stand-up collar with zipper with chin protection.

Elasticated waist. Knitted wrists.



10x1



S→4XL

**SINGER**



**SUITBLE**

Sweat-shirt. Material: 65% cotton and 35% polyester, 380 gsm.

Attached hood with drawcords. 3 outer pockets. Zip fastening.

Elasticated waist. Knitted wrists. Colour: navy blue.



10x1



S→3XL

**SINGER**





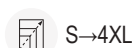
### GAXOR

Softshell. Outside material: 92% polyester and 8% elastane with TPU membrane, 120 gsm (smooth part, 2 layers) and 230 gsm (quilted part, 5 layers).

Lining: 100% taffeta polyester (210T). Padding: 100% polyester, 120 gsm.

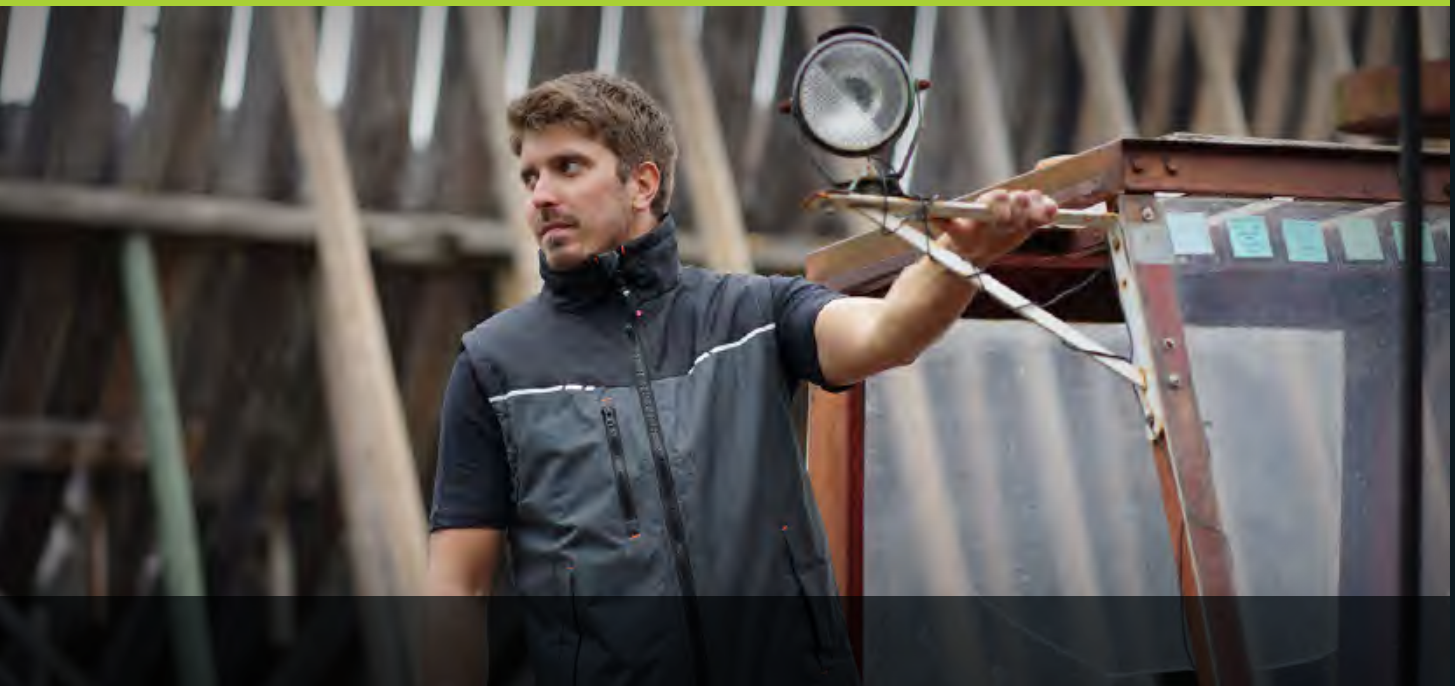
3 outer pockets and 1 inner pocket. Zip fastening with chin protection.

Waist with drawcords and stoppers. Colour: grey, black and orange.



**SINGER**





**GASNA** Colour: navy blue and black  
**GASPARE** Colour: grey and black

Bodywarmer. Outside material: 100% polyester (ripstop fabric) coated with PVC, 245 gsm. Lining: taffeta polyester (bottom, 55 gsm) and polar fleece polyester (body, 230 gsm). Padding: 100% polyester, 120 gsm. 3 outer pockets and 2 inner pockets. Zip fastening. Retro-reflective lines. Zip access for print.



10x1 S→4XL

**SINGER**



SOFTSHELL  
& RIPSTOP



**GALMER** Colour: navy blue, grey and black.  
**GALWAY** Colour: grey and black.

Bodywarmer. First material: 100% polyamide (ripstop fabric), coated with PU, 75 gsm. Second material: 96% polyester and 4% elastane, coated with PU, 270 gsm. Lining: 100% taffeta polyester. Padding: polyester (grey part), 220 gsm. 3 outer pockets and 1 inner pocket. Zip fastening. Waist with drawcords and stoppers.



10x1 S→4XL

**SINGER**





### GILSPORTM

Bodywarmer. Outside material: 65% polyester and 35% cotton, 160 gsm.

Lining: taffeta polyester, 50 gsm. Padding: polyester, 200 gsm.

7 outer pockets and 1 inner pocket.

Zip fastening under flap with press-studs. Loins protection. Colour: navy blue.



10x1



M→4XL

**SINGER**



### GILALPA

Bodywarmer. Outside material: 65% polyester and 35% cotton, 160 gsm.

Lining: taffeta polyester, 50 gsm. Padding: polyester, 200 gsm.

3 outer pockets and 1 inner pocket.

Zip fastening. Elasticated waist. Colour: navy blue.



10x1



M→3XL

**SINGER**



### GILBLANC

Bodywarmer. Outside material: 65% polyester and 35% cotton, 160 gsm.

Lining: taffeta polyester, 50 gsm. Padding: polyester, 200 gsm. 4 inner pockets.

Zip fastening. Elasticated waist. Colour: white.



10x1



S→3XL

**SINGER**



## SHIRTNOIR

Tee shirt. Material: 100% cotton, 180 gsm. Colour: black and orange.



25x1



01 (S/M) - 03 (L/XL) -  
05 (2XL/3XL)

SINGER



## SHIRTGRIS

Tee shirt. Material: 100% cotton, 180 gsm. Colour: grey and orange.



25x1



01 (S/M) - 03 (L/XL) -  
05 (2XL/3XL)

SINGER



## SHIRTBLEU

Tee shirt. Material: 100% cotton, 180 gsm. Colour: navy blue and orange.



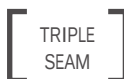
25x1



01 (S/M) - 03 (L/XL) -  
05 (2XL/3XL)

SINGER

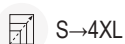




## PHOENIX

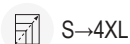
Work trousers. First material: 47% polyamide, 45% polyester and 8% elastane, 260 gsm. Second material (knee pad pockets): Cordura® (88% polyamide and 12% elastane), 270 gsm.

Numerous outer pockets (including a zipped phone pocket and a ruler pocket). Loops for accessory. Fly with zipper and metal button. Loops for belt. Reinforced knee pad pockets (with mesh lining). Loins protection. Possibility to increase the length of the leg of 5 cm. Retro-reflective lines. Colour: black.



## PORTAC

Work trousers. Material: 60% cotton and 40% polyester, 300 gsm. Numerous outer pockets (with 2 removable tooling pocket). Badge holder. Fly with zipper and button. Loops for belt. Self-grip belt. Reinforced knee pad pockets. Loins protection (polar fleece polyester). Elasticated waist. Possibility to increase the length of the leg of 5 cm. Retro-reflective lines. Colour: black.



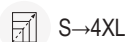




[ TRIPLE SEAM ]

**PARTO**

Work trousers. Material: 97% cotton and 3% elastane, 300 gsm. 8 outer pockets and 2 removable tooling pockets. Fly with zipper and button. Loops for belt. Self-grip belt. Reinforced knee pad pockets. Elasticated waist. Badge holder. Possibility to increase the length of the leg of 5 cm. Reflective piping. Colour: black and grey.

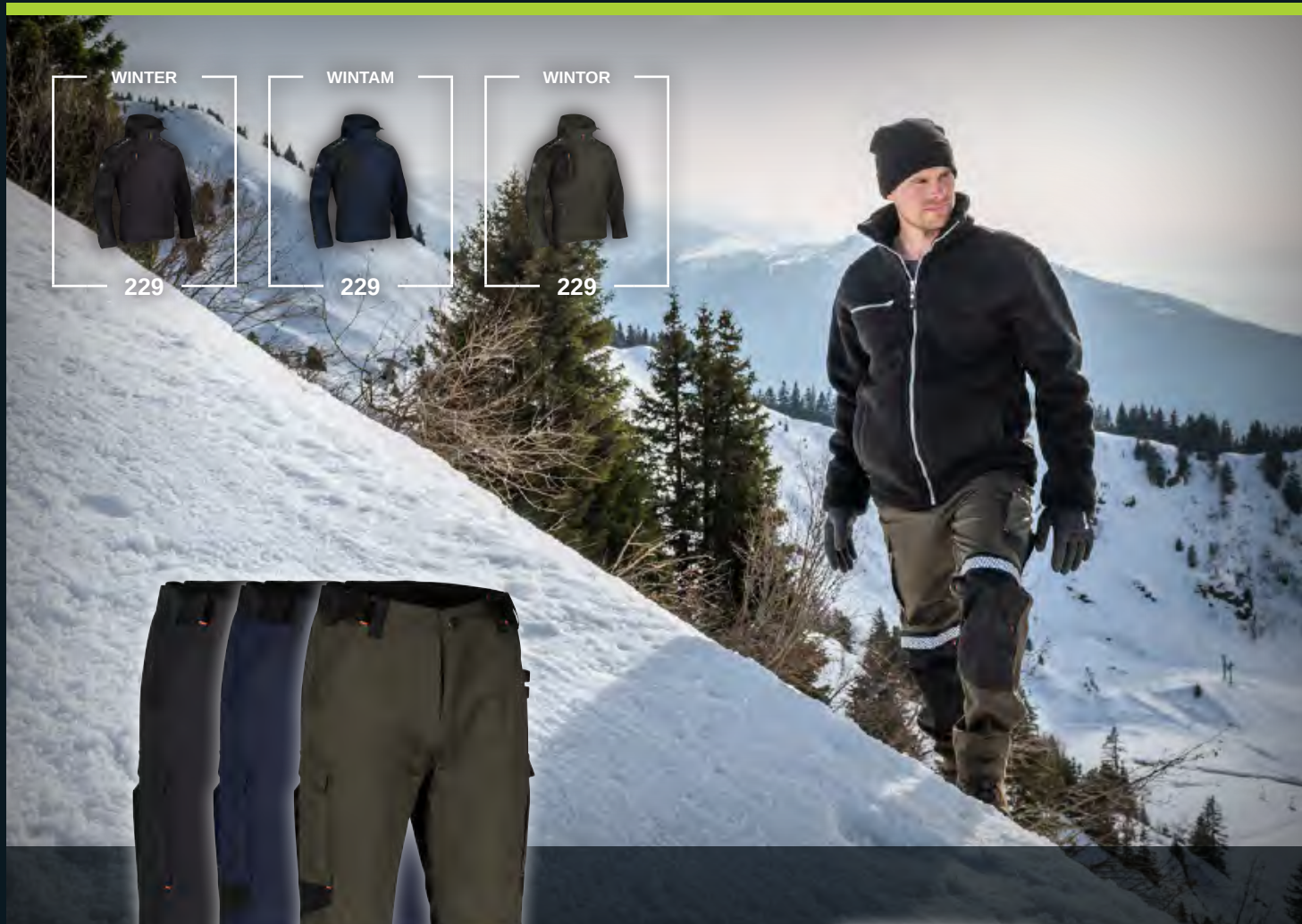
**SINGER** 

[ TRIPLE SEAM ]

**PLATRO**

Work trousers. Material: 97% cotton and 3% elastane, 280 gsm. 8 outer pockets and 1 removable tooling pocket. Fly with zipper and button. Loops for belt. Self-grip belt. Reinforced knee pad pockets. Elasticated waist. Possibility to increase the length of the leg of 5 cm. Reflective piping. Colour: white and black.

**SINGER** 



RIPSTOP &  
TRIPLE SEAM



**PETRA** Colour: bronze and black.  
**PETRAM** Colour: navy blue and black.  
**PETRO** Colour: black.

Ripstop work trousers.

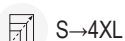
Material: 58% cotton, 39% polyester and 3% elastane, 280 gsm.

8 outer pockets. Loops for accessory. Fly with zipper and button.

Loops for belt. Self-grip belt. Reinforced knee pad pockets.

Elasticated waist. Possibility to increase the length of the leg of 5 cm.

Flexible segmented retro-reflective lines.



RIPSTOP &  
TRIPLE SEAM



**BERTO**

Ripstop work short.

Material: 58% cotton, 39% polyester and 3% elastane, 280 gsm.

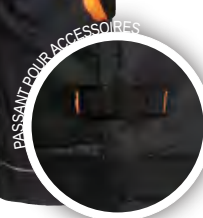
8 outer pockets. Loops for accessory. Fly with zipper and button.

Loops for belt. Self-grip belt. Elasticated waist.

Flexible segmented retro-reflective lines. Colour: black.







TRIPLE SEAM

**PRAGUO** Colour: grey, black and orange.**PRAGBLE** Colour: navy blue and black.

Work trousers. Material: 65% polyester and 35% cotton, 245 gsm.

Various outer pockets. Loop for accessory. Fly with zipper and button.

Loops for belt. Knee pad pockets. Elasticated waist. Reflective piping.



10x1

XS→4XL (PRAGUO)  
S→4XL (PRAGBLE)**SINGER** **BORO**

Work short. Material: 65% polyester and 35% cotton, 245 gsm.

Various outer pockets. Loop for accessory.

Fly with zipper and button. Loops for belt.

Elasticated waist. Reflective piping. Colour: black, grey and orange.



10x1



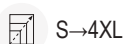
S→4XL

**SINGER** 



### PITON

Work trousers. Material: Canvas, 65% polyester and 35% cotton, 280 gsm.  
10 outer pockets. Fly with zipper and button. Loops for belt.  
Reinforced knee pad pockets.  
Loins protection. Badge holder. Colour: grey and black.

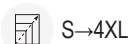


### PAU PARY

Colour: ink blue and black.

Colour: grey and black.

Work trousers. Material: 100% cotton, 300 gsm.  
5 outer pockets. Fly with zipper and button. Loops for belt.





## GENPRO

Non-slip protective knee pads.

Material: flexible PVC (shell) and 600D polyester (tape).

Closure with self-grip tapes. Interior made of EVA foam and injected gel (6 mm).

Dimensions: 24 x 16 cm Colour: black. Sold by pair.



12x1



320x2 g



SINGER



**PRE-SHAPED,  
CURVED.**

## GENFLEX

Protective knee pads.

Material: copolymer foams (EVA and PO). Slide into knee pockets of work trousers.

Dimensions: 150 x 240 mm. Thickness: 20 mm. Colour: black.

EN 14404 (TYPE 2 / LEVEL 1)



10x10



26x2 g

SINGER



## KP2C240

Protective knee pads.

Material: polyolefin foam / ethylene vinyl acetate. Fasten with strap and buckle.

Dimensions: 240 x 147 mm. Thickness: 20 mm. Colour: black. Sold by pair.

EN 14404 (TYPE 2 / LEVEL 1)



40x5



26x2 g



SINGER



## BELT

Adjustable and robust belt. Material: 100% polyester.

Length: 140 cm. Width: 4 cm. Brushed steel buckle.



5x8



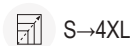
SINGER





CAIRE

Work coverall. Material: 65% polyester and 35% cotton, 245 gsm. Loop for accessory. Various outer pockets. Double zip fastening. Elasticated waist. Wrists with self-grip tapes. Reflective piping. Colour: black, grey and orange.



SINGER





CAEN

Work coverall.

Material: 100% cotton, 300 gsm. 6 outer pockets. Zip fastening (two ways) under self-grip flap. Elasticated waist. Colour: ink blue and black.



10x1



S→4XL

SINGER



COMBIAGRI

Work coverall.

Material: 65% polyester and 35% cotton, 245 gsm. 7 outer pockets. Double zip fastening. Elasticated waist. Colour: green and white.



10x1



S→4XL

SINGER





### VADONG

Multirisks jacket. Fire resistant fabric, flame retardant.  
Material: 99% cotton and 1% carbon, 350 gsm. 4 outer pockets.  
Zip fastening under studded flap. Loops for accessory  
Wrists with press-studs. Colour: grey and red.



SINGER



### PADONG

Multirisks trousers. Fire resistant fabric, flame retardant.  
Material: 99% cotton and 1% carbon, 350 gsm. 4 outer pockets.  
Fly with zipper and button. Loops for belt. Elasticated waist.  
Colour: grey and red.



SINGER





INDUSTRIAL  
WASHING

### VALPAR

Fire retardant work jacket, with enhanced visibility.  
Material: 98% cotton and 2% carbon, 350 gsm. 4 outer pockets.  
Zip fastening under studded flap. Loops for accessory.  
Wrists with press-studs. Retro-reflective tapes. Colour: blue and orange.



Class 1 A1+A2



Class A1+A2,  
B1, C1, E1



Type B3



10x1



S→4XL



SINGER



INDUSTRIAL  
WASHING

### PISAR

Fire retardant work trousers, with enhanced visibility.  
Material: 98% cotton and 2% carbon, 350 gsm. 4 outer pockets.  
Fly with zipper and button. Loops for belt. Elasticated waist.  
Retro-reflective tapes. Colour: blue and orange.



Class 1 A1+A2



Class A1+A2,  
B1, C1, E1



Type B3



10x1

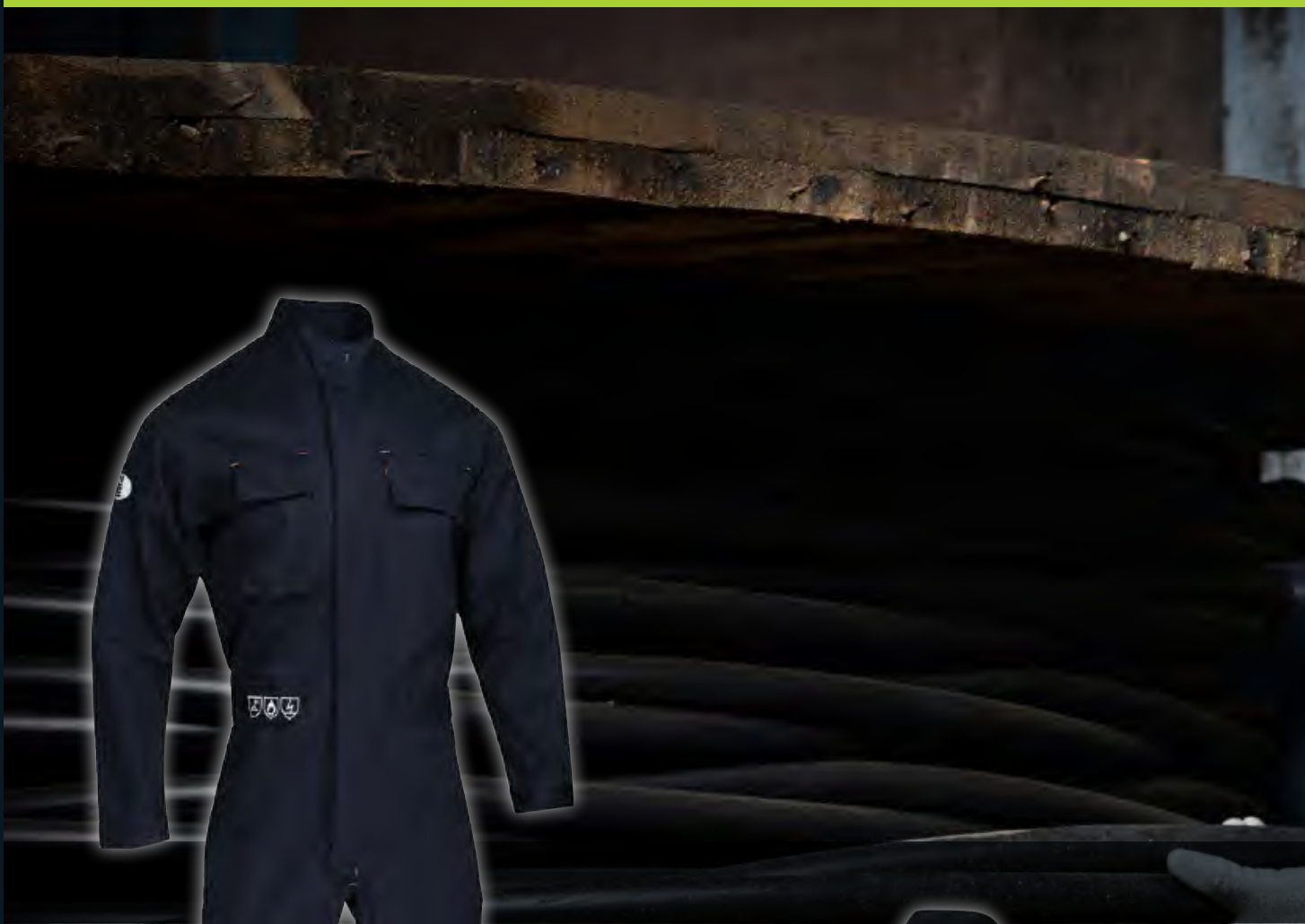


S→4XL



SINGER





INDUSTRIAL  
WASHING

### COSTA

Protective coverall. Fire resistant fabric, flame retardant.  
Material: 98% cotton and 2% carbon, 350 gsm. 5 outer pockets.  
Zip fastening (two ways) under studded flap.  
Elasticated waist. Wrists with press-studs. Colour: blue and orange.



Class 1 A1+A2



Class A1+A2, B1, C1, E1



10x1



S→4XL



SINGER



INDUSTRIAL  
WASHING

### VALPA

Protective jacket. Fire resistant fabric, flame retardant.  
Material: 98% cotton and 2% carbon, 350 gsm. 4 outer pockets.  
Zip fastening under studded flap.  
Loops for accessory. Wrists with press-studs. Colour: blue and orange.



Class 1 A1+A2



Class A1+A2, B1, C1, E1



10x1

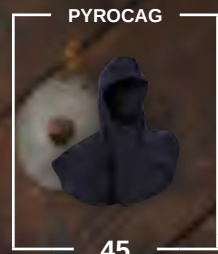
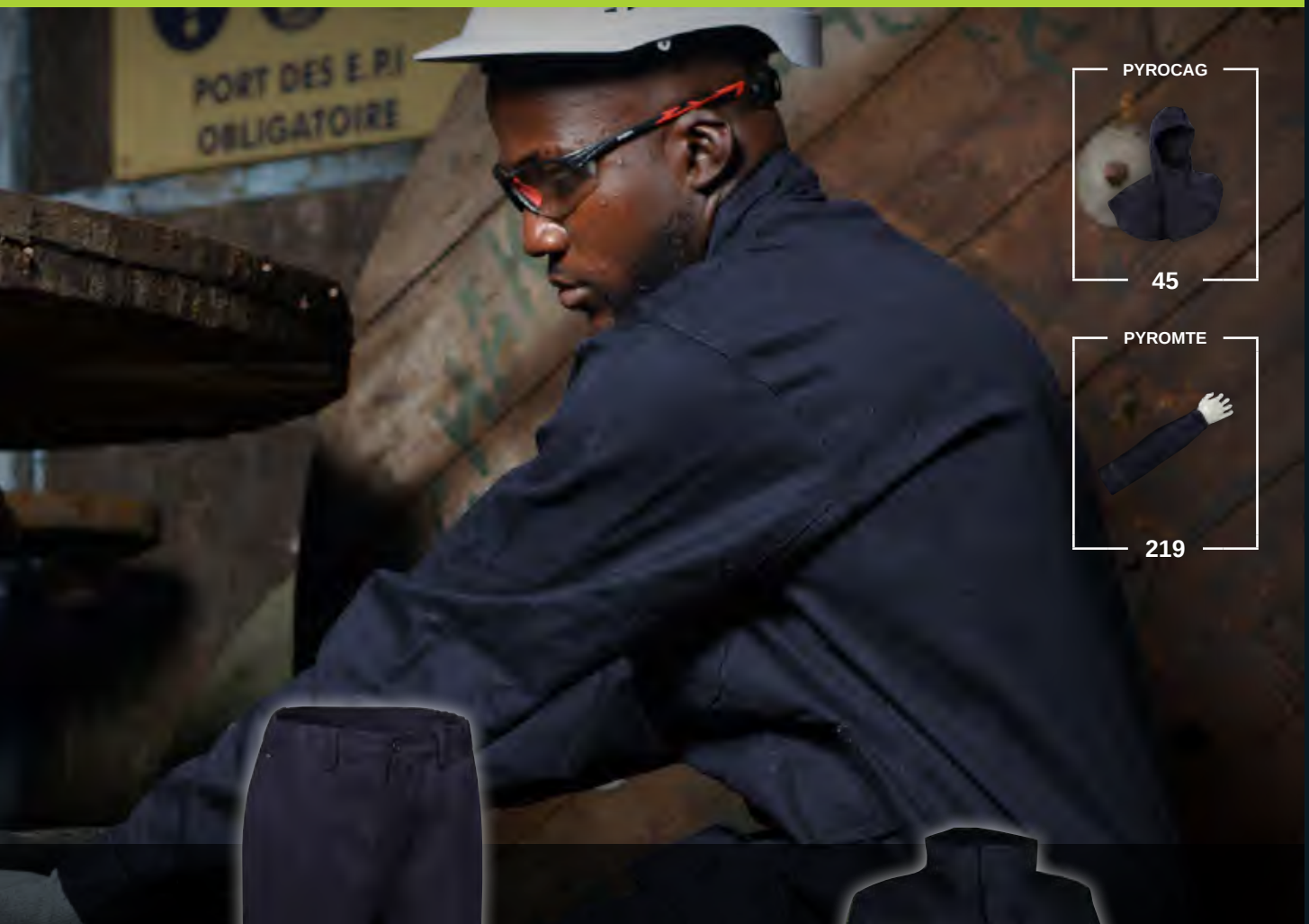


S→4XL



SINGER





INDUSTRIAL  
WASHING

## PISA

Protective trousers. Fire resistant fabric, flame retardant.  
Material: 98% cotton and 2% carbon, 350 gsm. 4 outer pockets.  
Fly with zipper and button.  
Loops for belt. Elasticated waist. Colour: blue and orange.



Class 1 A1+A2  
Class A1+A2, B1, C1, E1



WARM LINING



## GILFLAM

Protective bodywarmer. Fire resistant fabric, flame retardant.  
Outside material: 98% cotton and 2% carbon, 350 gsm.  
Lining: cotton (fire retardant), 155 gsm.  
Padding: polyester (fire retardant), 200 gsm.  
4 outer pockets. Zip fastening (plastic material with metal slider)  
under self-grip flap. Zip access for printing. Colour: blue and orange.



Class 1 A1+A2  
Class A1+A2, B1, C1



10x1



S→4XL



SINGER



10x1



M→4XL



SINGER





### VEPSOUD

Welding jacket. Back in fire retardant fabric.

Material: cow split leather, aramid yarn. Thickness: 1,4 mm ( $\pm 0,1$ ).

Fastening with snaps under leather flap. 1 inner pocket. Colour: brown.



Class 2 A1+A2



Class A1+A2,  
B1, C1, F1



5x1



01 (S/M) - 03 (L/XL) -  
05 (2XL/3XL)



**SINGER**



### PANTASOUD

Welding bib pants.

Material: cow split leather, aramid yarn. Thickness: 1,4 mm ( $\pm 0,1$ ).

1 outer pocket. Adjustable braces. Loops for belt.

Self grip fastening on each side at waist (Bottom of the leg). Colour: brown.



Class 2 A1+A2



Class A1+A2,  
B2, C2, D3, E3, F2



5x1

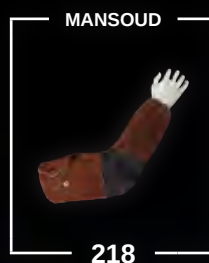


01 (S/M) - 03 (L/XL) -  
05 (2XL/3XL)



**SINGER**





VIDEO



## TABSOU9070

Welding apron. 90 x 70 cm.

Material: cow split leather, aramid yarn. Thickness: 1,4 mm ( $\pm 0,1$ ).

With bib. With leather strap and adjustable buckle. Colour: brown.



Class 2 A1+A2

Class A1+A2,  
B2, C2, D3, E3, F2

## GUETSOU

Welding leggings.

Material: cow split leather, aramid yarn. Thickness: 1,4 mm ( $\pm 0,1$ ).

Height: 22 cm. Self-winding fastening. Colour: brown. Sold by pair.



Class 2 A1+A2

Class A1+A2,  
B2, C2, D3, E3, F2

5x1



SINGER



4x5



SINGER





**SOUDAV** All split.

**SOUDAVEP** Back in fire retardant fabric.

Welding jacket.

Material: cow split leather, aramid yarn. Thickness: 1,4 mm ( $\pm 0,1$ ).

Fastening with snaps under leather flap. Colour: natural grey.

SOUDAV: Class 1/2 A1

SOUDAVEP: Class 1 A1

**SOUDAP**

Welding trousers. Material: cow split leather, aramid yarn.

Thickness: 1,4 mm ( $\pm 0,1$ ). 1 outer pocket. Adjustable leather.

Self grip fastening on each side at waist. Colour: natural grey.

Class 1/2 A1



5x1



M→XL



**SINGER**



5x1



M→L



**SINGER**





### SOUDAT9070

Welding apron. 90 x 70 cm. Material: cow split leather, aramid yarn.  
Thickness: 1,4 mm ( $\pm 0,1$ ). With bib.  
With leather strap and adjustable buckle. Colour: natural grey.



Class 1/2 A1



**SINGER**



### SOUDAB

Welding bolero. Material: cow split leather, aramid yarn.  
Thickness: 1,4 mm ( $\pm 0,1$ ). Fastening with press-studs under flap.  
Adjustable on the bolero apron with press studs. Colour: natural grey.



Class 1/2 A1



**SINGER**



### SOUDAG

Welding leggings. Height: 30 cm. Material: cow split leather, aramid yarn.  
Thickness: 1,4 mm ( $\pm 0,1$ ). Strap and buckle fastening on sole  
and self grip fastening on side. Colour: natural grey. Sold by pair.



Class 1/2 A1



**SINGER**





**VPLOCEAN** Colour: yellow.

**VPLRAINY** Colour: navy blue.

**VPLWINDY** Colour: green.

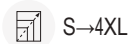
Rainwear composed by two pieces.

Jacket. Material: 100% polyester, coated with PVC and PU, 280 gsm. Taped seams.

Attached hood rolled into collar with drawcords. 2 outer pockets. Zip fastening under flap with press-studs. Waist with drawcords and stoppers. Elasticated wrists.

Trousers. Material: 100% polyester, coated PVC and PU, 280 gsm.

Taped seams. 2 hand passes. Fly with button. Elasticated waist.



**SINGER**



## COMBIPUV

Rain coverall. Material: 100% polyester, coated with PVC and PU, 310 gsm.

Taped seams. Attached hood rolled into collar with drawcords. 2 outer pockets.

Double waterproof zip fastening under self-grip flap.

Elasticated wrists under the sleeves. Colour: green.



**SINGER**





- VPLARMORJ Colour: yellow.  
 VPLARMORM Colour: navy blue.  
 VPLARMORV Colour: green.

Rainwear composed by two pieces.

Jacket. Material: 100% polyester, coated with PVC. Taped seams.  
 Attached hood rolled into collar with drawcords. 2 outer pockets. Zip fastening under flap with press-studs. Waist with drawcords and stoppers. Wrists with press-studs.  
 Trousers. Material: 100% polyester, coated with PVC. Taped seams. 2 hand passes.  
 Fly with button. Elasticated waist.



10x1



M→4XL

SINGER®



- VPLMANJ Colour: yellow.  
 VPLMANV Colour: green.

Raincoat. Material: 100% polyester, coated with PVC, 180 gsm. Taped seams.  
 Attached hood rolled into collar with drawcords. 2 outer pockets.  
 Zip fastening under flap with press-studs. Wrists with press-studs.



10x1



M→4XL

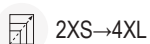
SINGER®





### LAB

Work lab coat. Material: 100% cotton, 265 gsm.  
3 outer pockets and 1 inner pocket. Fastening with buttons. Colour: white.



**SINGER**



### LABBLUE

Work lab coat. Material: 100% cotton, 300 gsm.  
3 outer pockets and 1 inner pocket. Fastening with buttons. Colour: ink blue.



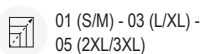
**SINGER**





## SAHO

Long sleeves tee shirt. Material: 46% Tencel™ Modal, 47% cotton, 7% elastane, 200 gsm. Colour: black and red.

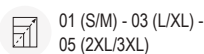


SINGER



## SABA

Long underpants. Material: 46% Tencel™ Modal, 47% cotton, 7% elastane, 200 gsm. Colour: black and red.



SINGER





### TABCUT

Cut-resistant apron. Material: high density polyethylene, polyester and tungsten, 780 gsm.  
Dimensions: 80 x 60 cm. With bib. Buckle fastening.  
Adjustable tightening. Colour: grey and black.



3.X.4.4.F



**SINGER**



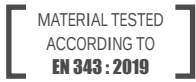
### TABCHB1070

Apron. Material: 100% cotton (canvas), 265 g/m<sup>2</sup>. With bib.  
Dimensions: 100 x 70 cm. Colour: blue.



**SINGER**





TAB1290PUB Colour: white.  
TAB1290PUV Colour: green.

Apron. Material: 100% polyester coated with PU and PVC. With bib.  
Dimensions: 120 x 90 cm. Thickness: 0,35 mm.



 10x1

SINGER 



TABPB1290 Colour: white.  
TABPV1290 Colour: green.

Apron. Material: 100% polyester coated with PVC. With bib.  
Dimensions: 120 x 90 cm. Thickness: 0,20 mm.



 x20

SINGER 



TABPB1070 Colour: white.  
TABPV1070 Colour: green.

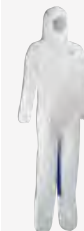
Apron. Material: 100% polyester coated with PVC. With bib.  
Dimensions: 100 x 70 cm. Thickness: 0,20 mm.



 x20

SINGER 



| SINGER®<br>safety                                                                   |                                                                  |                                              |                                              |                                              |                   |                   |                   |                   |                   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|                                                                                     |                                                                  | PLY900                                                                                                                        | PLY600                                                                                                                        | PLY500                                                                                                                        | PLY450                                                                                              | PLYULTI                                                                                              | PLY56                                                                                                | PLYCBC                                                                                               | PLYCBCBLE                                                                                            |
| TYPE OF USE                                                                         |                                                                  |                                              |                                              |                                              |                   |                   |                   |                   |                   |
| ENVIRONMENT                                                                         |                                                                  |                                              |                                              |                                              |                   |                   |                   |                   |                   |
| GRAMMAGE                                                                            |                                                                  | 70 g/m²                                                                                                                       | 65 g/m²                                                                                                                       | 55 g/m²                                                                                                                       | 65 g/m²<br>55 g/m²                                                                                  | 65 g/m²                                                                                              | 55 g/m²                                                                                              | 35 g/m²                                                                                              | 35 g/m²                                                                                              |
| TYPE OF MATERIAL                                                                    |                                                                  |                                              |                                              |                                              |                   |                   |                   |                   |                   |
| TYPE OF SEAM                                                                        |                                                                  | <br>SEALED<br>SERGED SEAMS<br>+ HEAT-SEALED | <br>SEALED<br>SERGED SEAMS<br>+ HEAT-SEALED | <br>SEALED<br>SERGED SEAMS<br>+ HEAT-SEALED | <br>SERGED SEAMS | <br>SERGED SEAMS | <br>SERGED SEAMS | <br>SERGED SEAMS | <br>SERGED SEAMS |
| AVAILABLE SIZES                                                                     |                                                                  | L ▶ 3XL                                                                                                                       | L ▶ 2XL                                                                                                                       | L ▶ 3XL                                                                                                                       | L ▶ 3XL                                                                                             | L ▶ 3XL                                                                                              | M ▶ 3XL                                                                                              | L ▶ 2XL                                                                                              | L ▶ 2XL                                                                                              |
|  | LIQUID-TIGHT PROTECTION<br>EN 14605 : TYPE 3                     | <br>TYPE 3-B                               |                                                                                                                               |                                                                                                                               |                                                                                                     |                                                                                                      |                                                                                                      |                                                                                                      |                                                                                                      |
|                                                                                     | SPRAY-TIGHT PROTECTION<br>EN 14605 : TYPE 4                      | <br>TYPE 4-B                               | <br>TYPE 4-B                               |                                                                                                                               |                                                                                                     |                                                                                                      |                                                                                                      |                                                                                                      |                                                                                                      |
|                                                                                     | SOLID PARTICLE-TIGHT PROTECTION<br>EN ISO 13982-1 : TYPE 5       | <br>TYPE 5-B                               | <br>TYPE 5-B                               | <br>TYPE 5                                 | <br>TYPE 5      | <br>TYPE 5-B    | <br>TYPE 5      |                                                                                                      |                                                                                                      |
|                                                                                     | LIMITED PROTECTION AGAINST LIQUID CHEMICALS<br>EN 14605 : TYPE 6 | <br>TYPE 6-B                               | <br>TYPE 6-B                               | <br>TYPE 6                                 | <br>TYPE 6      | <br>TYPE 6-B    | <br>TYPE 6      |                                                                                                      |                                                                                                      |
| PROTECTION AGAINST INFECTIOUS AGENTS<br>EN 14126                                    |                                                                  |                                            |                                            |                                                                                                                               |                                                                                                     |                 |                                                                                                      |                                                                                                      |                                                                                                      |
| ANTISTATIC PROPERTIES<br>EN 1149-5                                                  |                                                                  |                                            |                                            |                                                                                                                               |                 |                 |                 |                                                                                                      |                                                                                                      |
| PROTECTION AGAINST RADIOACTIVE CONTAMINATION<br>EN 1073-2                           |                                                                  | <br>CLASS 2                                | <br>CLASS 1                                | <br>CLASS 1                                | <br>CLASS 1     | <br>CLASS 1     | <br>CLASS 1     |                                                                                                      |                                                                                                      |
| PROTECTION AGAINST PESTICIDES<br>EN ISO 27065                                       |                                                                  | <br>C2                                     |                                                                                                                               |                                                                                                                               |                                                                                                     |                                                                                                      |                                                                                                      |                                                                                                      |                                                                                                      |





### MICROPOROUS, WATERPROOF FILM.

This material protects the user from chemical hazards. It blocks solid and liquid particles, liquid sprays, liquid jets, infectious agents, and radioactive contamination, as well as being antistatic.

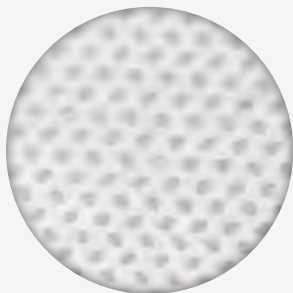
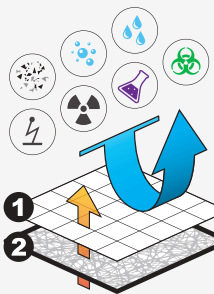
- 1 WATERPROOF POLYETHYLENE MEMBRANE
- 2 «SPUNBOND» POLYPROPYLENE (S)



### MICROPOROUS FILM.

This material protects the user from chemical hazards. It blocks solid and liquid particles, liquid sprays, infectious agents, and radioactive contamination, while being antistatic and slightly breathable.

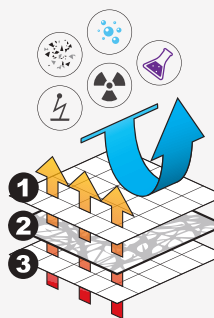
- 1 BREATHABLE POLYETHYLENE MEMBRANE
- 2 «SPUNBOND» POLYPROPYLENE (S)



### SMS FILM.

This material protects the user from chemical hazards. It blocks solid and liquid particles and radioactive contamination, while being antistatic and highly breathable.

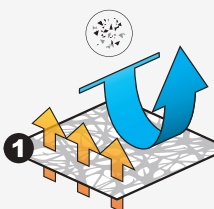
- 1 «SPUNBOND» POLYPROPYLENE (S)
- 2 «MELT BLOWN» POLYPROPYLENE (M)
- 3 «SPUNBOND» POLYPROPYLENE (S)



### POLYPROPYLENE FILM.

This material protects the user from minor risks. It blocks solid particles while being highly breathable and ultra-lightweight.

- 1 «SPUNBOND» POLYPROPYLENE (S)



**DID YOU KNOW?** Non-woven fabric is neither knitted nor woven — it is a web made up of fibres or filaments arranged randomly or in a specific direction. It can be made from polypropylene and/or polyethylene, offering many advantages such as lightness, fineness, flexibility, and strength. Depending on the manufacturing process, different types of webs can be produced with specific properties. **Spunbond (S) web**, produced by extrusion-spinning, has thicker fibres, providing mechanical strength and structural stability. **Meltblown (M) web**, produced by extrusion-blowing, has much finer fibres, enabling high filtration efficiency and capture of fine particles. By combining several layers of webs, different films can be produced, such as microporous or SMS. **Microporous film** consists of a polyethylene membrane laminated onto a Spunbond web. It has tiny pores that allow selective passage of certain substances such as air or perspiration, while blocking larger particles or liquids. **SMS film** is composed of three layers: Spunbond / Meltblown / Spunbond. This material combines the mechanical strength and stability of Spunbond with the high filtration capacity of Meltblown.

Singer® Safety is committed to designing a complete range of high-quality equipment, manufactured with care. Each of our protective coveralls undergoes rigorous testing in compliance with current standards to ensure their strength and conformity. Even when certified to a specific standard, it is important to note that no garment will resist all chemicals or infectious agents indefinitely. It is therefore essential to read the instructions supplied with each product carefully to know the exposure limits and the list of substances against which the garment provides protection, as well as the performance levels obtained. Before any use, a workplace study and a precise risk assessment must be carried out to select the right product. Coveralls should be used together with other compatible and properly fitted equipment (gloves, overshoes, respiratory masks, etc.) to ensure full protection.



### PLY900

Chemical protective coverall.

Material: 100% polypropylene with polyethylene film (70gsm).

Microporous, waterproof. Waterproof seams with thermo-adhesive tape.

3 panels hood. Zip fastening under self-grip flap.

Elastic tightenings (waist, hood, wrists and ankles). Thumb loops.

Colour: yellow. Under individual polybag.



x25

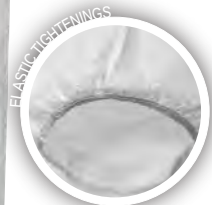
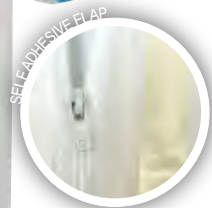
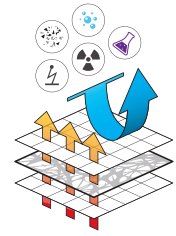
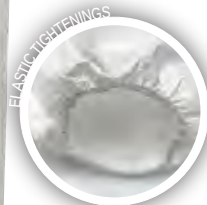
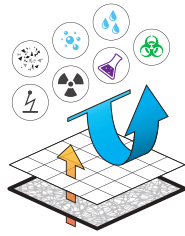


L→3XL



**SINGER**





## PLY600

Chemical protective coverall. Material: 58% polypropylene and 42% polyethylene. Microporous non-woven fabric, 65 g/m<sup>2</sup>. Waterproof seams with thermo-adhesive tape. 3 panels hood. Zip fastening under self adhesive flap closure. Elastic tightenings (waist, hood, wrists and ankles). Colour: white and orange. Under individual polybag.



## PLY500

Chemical protective coverall. Material: 100% polypropylene. SMS non-woven fabric, 55 g/m<sup>2</sup>. Waterproof seams with thermo-adhesive tape. 3 panels hood. Zip fastening under self adhesive flap closure. Elastic tightenings (waist, hood, wrists and ankles). Colour: white and blue. Under individual polybag.



x50



L→2XL



**SINGER**



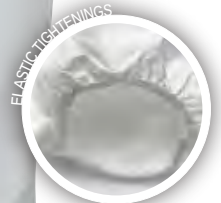
x50



L→3XL



**SINGER**



### PLY450

Chemical protective coverall.

First material: 58% polypropylene and 42% polyethylene.

Microporous non-woven fabric, 65 gsm.

Second material: 100% polypropylene. SMS non-woven fabric, 55 gsm.

Serged seams. 3 panels hood. Zip fastening under self adhesive flap closure.

Elastic tightenings (waist, hood, wrists and ankles).

Colour: white and blue. Under individual polybag.



EN ISO 13982-1  
TYPE 5



EN 13034  
TYPE 6



EN 1073-2  
CLASS 1



EN 1149-5



x50



L→3XL



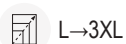
**SINGER**





## PLYULTI

Chemical protective coverall. Material: 100% polypropylene with polyethylene film. Microporous non-woven fabric, 65 gsm. Serged seams. 3 panels hood. Zip fastening under self adhesive flap closure. Elastic tightenings (waist, hood, wrists and ankles). Colour: white. Under individual polybag.



## PLY56

Chemical protective coverall. Material: 100% polypropylene. SMS non woven fabric, 55 gsm. Serged seams. 3 panels hood. Zip fastening under self adhesive flap closure. Elastic tightenings (waist, hood, wrists and ankles). Colour: white. Under individual polybag.





### PLYCBC

«Minor risk» coverall. Material: 100% polypropylene.  
SMS non-woven fabric, 35 g/m². 2 panels hood.  
Zip fastening. Elastic tightenings (waist, hood, wrists and ankles).  
Colour: white. Under individual polybag.



**SINGER**



### PLYCBCBLE

«Minor risk» coverall. Material: 100% polypropylene.  
SMS non-woven fabric, 35 g/m². 2 panels hood.  
Zip fastening. Elastic tightenings (waist, hood, wrists and ankles).  
Colour: blue. Under individual polybag.



**SINGER**





### KITAMIANTE00

This kit is designed for quick works in asbestos environment. It is up to the final user and/or the safety manager to analyze the appropriate equipment according to the work envisaged.

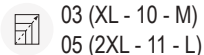
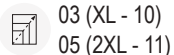
- 1 chemical protective coverall PLY500 (XL or 2XL).
- 1 safety google EVARIO.
- 1 pair of nitrile glove CNIT1538 (size 10 or 11).
- 1 pair of overshoes AUUBOTTE2.
- 1 classic foldable half-mask AUUMP300VSL (FFP3 NR D).
- 1 scotch tape roll 5 x 330 cm.
- 1 waste bag with marking «ASBESTOS», 90 x 110 cm.



### KITAGRI00

This kit is designed for the use of some chemicals in agricultural environment. It is up to the final user and/or the safety manager to analyze the appropriate equipment according to the work envisaged.

- 1 chemical protective coverall PLY600 (XL or 2XL).
- 1 safety google EVARIO.
- 1 pair of nitrile glove CNIT1538 (size 10 or 11).
- 1 half-mask DMS00 (size M or L).
- 2 filters FA2P3.





### AUUTABLIER

Polyethylene apron with bib. 125 x 81 cm. Polybag of 100 pieces.



10x1



One size only

**SINGER**



### PLYBLOUSE

Non woven polypropylene lab coat, 35 gsm. Plastic press studs fastening. Elasticated wrists. 2 pockets. Under individual polybag.



50x1



L→2XL

**SINGER**









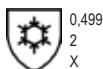
AGAINST INTENSE COLD  
**TESTED AT -50°C**



## PARFRA

High visibility parka. Outside material: 100% polyester (Oxford 300D) coated with acrylic, 150 gsm.  
Lining: 100% taffeta polyester, 55 gsm. Padding: 100% polyester, 300 gsm.  
Removable hood by zipper with drawcords.  
3 outer pockets and 1 inner pocket. Badge holder. Zip fastening (two ways) under studded flap. Windproof elastic waistband with press studs.  
Knitted wrists under the sleeves. Retro-reflective tapes.  
Zip access for print. Colour: yellow and navy blue.

PARFRA +  
COTFRA



0,499  
2  
X



6x1



01 (S/M) - 03 (L/XL) -  
05 (2XL/3XL) - 07 (4XL/5XL)

**SINGER**

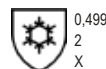
AGAINST INTENSE COLD  
**TESTED AT -50°C**



## COTFRA

High visibility bib pants. Outside material: 100% polyester (Oxford 300D) coated with acrylic, 150 gsm.  
Lining: 100% taffeta polyester, 55 gsm. Padding: 100% polyester, 300 gsm.  
4 outer pockets. Fly with zipper and button. Reinforced knee pad pockets.  
Elasticated waist. Retro-reflective tapes. Colour: yellow and navy blue.

PARFRA +  
COTFRA



0,499  
2  
X



6x1



01 (S/M) - 03 (L/XL) -  
05 (2XL/3XL) - 07 (4XL/5XL)

**SINGER**





ALLOWS TO FIT A VEST  
(GREMIA/01) OR A JACKET  
(VILMIA/01) INSIDE.



**PREMIA** Colour: yellow and navy blue.

**PREMIO** Colour: orange and navy blue.

High visibility parka. Outside material: 100% polyester (ripstop fabric) with TPU membrane, 190 gsm. Lining: 100% polyester mesh, 120 gsm. Taped seams. Removable hood by zipper with drawcords. 3 outer pockets and 1 inner pocket. Badge holder. Zip fastening under studded flap. Loops for accessory. Waist with drawcords and stoppers. Segmented retro-reflective tapes. Zip access for print.



10x1

S→4XL

**SINGER**







**PARIMA** Colour: yellow and navy blue.

**PARIMO** Colour: orange and navy blue.

**PARIRED** Colour: red and black.

High visibility parka.

Outside material: 100% polyester (Oxford 300D) coated with PU, 170 gsm. Lining: 100% taffeta polyester, 50 gsm. Taped seams.

Attached hood with drawcords, rolled into collar.

3 outer pockets and 1 inner pocket. Badge holder.

Zip fastening (two ways) under studded flap. Waist with drawcords and stoppers. Segmented retro-reflective tapes. Zip access for print.

Removable high visibility inner jacket.

Outside material: 100% polyester (Oxford 300D) coated with PU, 170 gsm. Lining: polar fleece polyester, 280 gsm (body) and taffeta polyester, 50 gsm. Padding: 100% polyester, 120 gsm. Taped seams. Detachable sleeves. 2 outer pockets and 2 inner pockets. Zip fastening. Knitted wrists. Segmented retro-reflective tapes. Zip access for print.



S→6XL  
(PARIRED: S→3XL)

**SINGER**





**PIAMA** Colour: yellow and navy blue.

**PIAMO** Colour: orange and navy blue.

High visibility parka.

Outside material: 100% polyester (Oxford 300D) coated with PU.

Lining: taffeta polyester. Taped seams.

Attached hood rolled into collar with drawcords. 3 outer pockets and 2 inner pockets. Zip fastening (two ways) under studded flap.

Retro-reflective tapes. Zip access for printing.

Removable high visibility inner jacket.

Outside material: polyester coated with PU (body) and polar fleece polyester (sleeves). Lining: polar fleece polyester, 280 gsm.

Removable sleeves. 3 outer pockets and 1 inner pocket. Zip fastening.

Knitted wrists. Retro-reflective tapes. Zip access for printing.



3



3



2



3

1



10x1



S→4XL

**SINGER**



REMOVABLE INNER JACKET



WITH DETACHABLE SLEEVES



POLYESTER SLEEVES



**PACA** Colour: yellow and navy blue.

**PACO** Colour: orange and navy blue.

High visibility parka.

Outside material: 100% polyester (Oxford 300D), coated with PU, 170 gsm. Lining: 100% polyester mesh, 60 gsm. Taped seams.

Attached hood with drawcords, rolled into collar.

3 outer pockets and 1 inner pocket. Badge holder.

Zip fastening (two ways) under self-grip flap. Retro-reflective tapes.

Removable high visibility inner jacket.

Outside material: 100% polyester (Oxford 300D), coated with PU, 170 gsm. Lining: 100% taffeta polyester, 55 gsm.

Padding: 100% polyester, 180 gsm. Detachable sleeves.

2 outer pockets and 2 inner pockets. Zip fastening.

Knitted wrists. Retro-reflective tapes.



3



3



2



3

1

X



10x1



S→4XL

**SINGER**



REMOVABLE INNER JACKET



WITH DETACHABLE SLEEVES



LINING: POLYESTER MESH





**PALERME** Colour: yellow and navy blue.

**PALOMA** Colour: orange and navy blue.

High visibility parka. Outside material: 100% polyester (Oxford 300D) coated with PU. Lining: taffeta polyester. Padding: polyester, 180 gsm. Taped seams. Attached hood rolled into collar with drawcords. 2 outer pockets and 2 inner pockets. Zip fastening (two ways) under studded flap. Knitted wrists. Retro-reflective tapes. Zip access for printing.



10x1



S→4XL

**SINGER**



**PARDA** Colour: yellow and navy blue.

**PARDO** Colour: orange and navy blue.

High visibility parka. Outside material: 100% polyester (Oxford 300D) coated with PU. Lining: taffeta polyester. Padding: polyester, 160 gsm. Taped seams. Attached hood rolled into collar with drawcords. 2 outer pockets and 2 inner pockets. Zip fastening under self-grip flap. Knitted wrists. Retro-reflective tapes. Zip access for printing.



10x1



S→4XL

**SINGER**





2x1

OEKO  
TEX®  
STANDARD  
100

VUELTA Colour: yellow and black.

VUELTO Colour: orange and black.

High visibility bomber jacket. Outside material: 100% polyester (ripstop fabric) coated with PU, 190 gsm.

Lining: 100% polar fleece polyester, 280 gsm. Taped seams.

Removable hood by zipper with drawcords. Detachable sleeves.

3 outer pockets and 1 inner pocket. Badge holder.

Zip fastening under studded flap. Loops for accessory.

Windproof elastic waistband with press studs.

Knitted wrists under the sleeves.

Segmented retro-reflective tapes. Zip access for print.



3



2



3

1

X

JACKET

BODYWARMER



10x1



S→4XL

SINGER

DETACHABLE SLEEVES



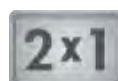
WINDPROOF ELASTIC WAISTBAND



LOOPS FOR ACCESSORY







**BRAVA** Colour: yellow and black.

**BRAVO** Colour: orange and black.

High visibility bomber jacket. Outside material: 100% polyester (Oxford 300D) coated with PU, 180 gsm.

Lining: 100% polar fleece polyester, 280 gsm. Taped seams.

Removable hood by zipper with drawcords. Detachable sleeves.

3 outer pockets and 1 inner pocket. Zip fastening under self-grip flap.

Elasticated waist. Knitted wrists under the sleeves.

Segmented retro-reflective tapes. Zip access for print.



**SINGER**



**BERGUE** Colour: yellow and black.

**BERGO** Colour: orange and black.

High visibility bomber jacket. Outside material: 100% polyester (Oxford 300D) coated with PU, 190 gsm.

Lining: 100% taffeta polyester. Padding: 100% polyester, 160 gsm.

Attached hood with drawcords. 3 outer pockets and 1 inner pocket.

Zip fastening. Elasticated waist. Knitted wrists under the sleeves.

Segmented retro-reflective tapes. Zip access for print.



**SINGER**





2x1



VIENA Colour: yellow.

VIENO Colour: orange.

High visibility bomber jacket.

Outside material: 100% polyester (Oxford 300D) coated with PU.

Lining: polar fleece polyester, 280 gsm. Taped seams.

Attached hood rolled into collar with drawcords. Removable sleeves.

3 outer pockets and 1 inner pocket. Zip fastening under flap with

press-studs. Loins protection. Knitted wrists under the sleeves.

Retro-reflective tapes. Zip access for printing.



3



2



3

1 X



10x1



S→4XL

SINGER



2x1



VEROME Colour: yellow.

VEROMO Colour: orange.

High visibility bomber jacket. Outside material: polyester (Oxford 300D) coated with PU (body) and polar fleece polyester (sleeves).

Lining: polar fleece polyester, 280 gsm. Removable sleeves.

3 outer pockets and 1 inner pocket. Zip fastening. Loins protection.

Knitted wrists. Retro-reflective tapes. Zip access for printing.



3



2



10x1



S→4XL

SINGER





### VENISO

Windbreaker jacket with enhanced visibility.

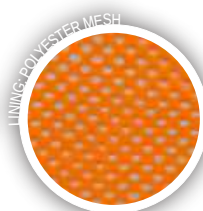
Outside material: 100% polyester mechanical stretch (Oxford 300D) with TPU membrane, 190 gsm. Lining: polyester mesh (body and hood, 80g/m<sup>2</sup>) and taffeta polyester (sleeves, 58g/m<sup>2</sup>).

Jacket rollable into the right pocket (when worn). Taped seams.

Attached hood with drawcords. 2 outer pockets and 1 inner pocket.

Zip fastening. Zipped underarm vents. Elasticated wrists.

Retro-reflective lines. Colour: orange, black and grey.



**SINGER**





**VILMIA** Colour: yellow and navy blue.

**VILMIO** Colour: orange and navy blue.

Softshell high visibility jacket.

Outside material: 100% polyester with TPU membrane, 350 gsm.

Lining: 100% polar fleece polyester.

Removable hood by zipper with drawcords. Detachable sleeves.

5 outer pockets and 2 inner pockets. Zip fastening.

Knitted wrists under the sleeves. Segmented retro-reflective tapes.



**SINGER**



**VILNARED**

Softshell high visibility jacket.

Outside material: 100% polyester, with TPU membrane, 350 gsm.

Lining: 100% polar fleece polyester.

Removable hood by zipper with drawcords.

Detachable sleeves. 5 outer pockets and 2 inner pockets.

Waterproof zip fastening. Knitted wrists under the sleeves.

Segmented retro-reflective tapes. Colour: red and navy blue.



**SINGER**





**VULCA** Colour: yellow and navy blue.

**VULCO** Colour: orange and navy blue.

High visibility softshell jacket. Outside material: 100% polyester, with TPU membrane, 370 gsm. Lining: polar fleece polyester.

3 outer pockets and 1 inner pocket. Zip fastening.

Waist with drawcords and stoppers.

Wrists with self-grip tapes. Retro-reflective tapes.



10x1

S→4XL

**SINGER**



**[ FLEECE JACKET ]**



**POLGA** Colour: yellow and navy blue.

**POLGO** Colour: orange and navy blue.

High visibility jacket.

Outside material: 100% polyester (polar fleece), 300 gsm.

Lining: 100% taffeta polyester. 2 outer pockets. Zip fastening.

Elasticated waist. Knitted wrists. Retro-reflective tapes.



10x1

S→4XL

**SINGER**





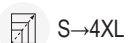
**SWITA** Colour: yellow and navy blue.

**SWITO** Colour: orange and navy blue.

High visibility sweat-shirt.

Material: 65% polyester and 35% cotton, 300 gsm.

Elasticated waist. Knitted wrists. Segmented retro-reflective tapes.



**SINGER**





**VILA** Colour: yellow and navy blue.

**VILO** Colour: orange and navy blue.

High visibility rainwear. Composed of 2 pieces.

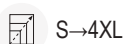
Raincoat. Outside material: 100% polyester (Oxford 300D) coated with PU, 280 gsm. Lining: 100% polyester mesh. Taped seams.

Attached hood with drawcords, rolled into collar. 3 outer pockets.

Zip fastening under studded flap.

Elasticated wrists with self-grip tapes. Retro-reflective tapes.

Trousers. Outside material: 100% polyester (Oxford 300D) coated with PU, 280 gsm. Taped seams. 2 hand passes. Fly. Elasticated waist with drawcords and stoppers. Retro-reflective tapes.

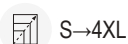


**PIVA** Colour: yellow and navy blue.

**PIVO** Colour: orange and navy blue.

High visibility bib pants.

Material: 100% polyester (Oxford 300D) coated with PU. Taped seams. 2 hand passes. Fly with button. Elasticated waist. Retro-reflective tapes.





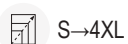


[ TRIPLE SEAM ]



**PILAM** Colour: yellow and navy blue.  
**PILOM** Colour: orange and navy blue.

High visibility work trousers.  
 Material: 54% cotton and 46% polyester, 270 gsm. 6 outer pockets.  
 Fly with zipper and button. Loops for belt. Knee pad pockets.  
 Loins protection. Elasticated waist. Segmented retro-reflective tapes.

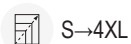


[ TRIPLE SEAM ]



**PUMA** Colour: yellow and navy blue.  
**PUMO** Colour: orange and navy blue.

High visibility work trousers.  
 Material: 65% polyester and 35% cotton, 245 gsm. 4 outer pockets.  
 Fly with zipper and button. Loops for belt. Elasticated waist.  
 Retro-reflective tapes.





COMFORTABLE  
INNER COTTON

TUVA Colour: yellow and navy blue.

TUVO Colour: orange and navy blue.

High visibility long sleeves tee shirt.

Material: 55% cotton and 45% polyester, 170 gsm.

Piqué fabric. Inner cotton surface. Underarm vents. Knitted wrists.

Segmented flexible retro-reflective tapes.



25x1

S→4XL

SINGER



COMFORTABLE  
INNER COTTON

POLMA Colour: yellow and navy blue.

POLMO Colour: orange and navy blue.

High visibility polo shirt.

Material: 55% cotton and 45% polyester, 170 gsm. Piqué fabric.

Inner cotton surface. Segmented flexible retro-reflective tapes.



25x1

S→4XL

SINGER



COMFORTABLE  
INNER COTTON

SUCA Colour: yellow and navy blue.

SUCO Colour: orange and navy blue.

SUCARED Colour: red and navy blue.

High visibility tee shirt.

Material: 55% cotton and 45% polyester, 170 gsm. Piqué fabric.

Inner cotton surface. Flexible segmented retro-reflective tapes.



25x1

S→4XL

SINGER





**PUNTA** Colour: yellow and navy blue.

**PUNTO** Colour: orange and navy blue.

High visibility polo shirt. Long sleeves.

Material: 100% polyester, 150 gsm. Piqué fabric.

Flexible retro-reflective tapes.



25x1



S→4XL

**SINGER**



**PAULA** Colour: yellow and navy blue.

**PAULO** Colour: orange and navy blue.

High visibility polo shirt. Material: 100% polyester, 150 gsm.

Piqué fabric. Flexible retro-reflective tapes.



25x1



S→4XL

**SINGER**



**SUZE** Colour: yellow and navy blue.

**SUZO** Colour: orange and navy blue.

High visibility tee shirt. Material: 100% polyester, 150 gsm.

Piqué fabric. Retro-reflective tapes.



25x1



S→4XL

**SINGER**





[ FITS INSIDE  
A PARKA  
(PREMIA/0) ]



**GREMIA** Colour: yellow and navy blue.  
**GREMIO** Colour: orange and navy blue.

High visibility bodywarmer.

Outside material: 100% polyester (ripstop fabric) with TPU membrane, 190 gsm.

Lining: 100% taffeta polyester (210T), 55 gsm.

Padding: 100% polyester, 120 gsm.

3 outer pockets and 1 inner pocket. Badge holder.

Zip fastening. Segmented retro-reflective tapes. Zip access for print.



**SINGER**



**ANA** Colour: yellow.

**GANO** Colour: orange.

High visibility bodywarmer.

Outside material: 100% polyester (Oxford 300D) coated with PU.

Lining: polar fleece polyester, 260 gsm.

3 outer pockets and 1 inner pocket.

Zip fastening. Retro-reflective tapes. Zip access for printing.



**SINGER**





GILMRJ Colour: yellow.

GILMRO Colour: orange.

Multirisks high visibility vest.

Material: 98% polyester and 2% carbon, 120 gsm.

Fastening with studded flap. Loops for accessory. Retro-reflective tapes.



2



Limited flame spread  
EN ISO 14116: 2015  
Index 1/SH/40



5x10



02 (M/L) - 04 (XL/2XL) -  
06 (3XL/4XL)

**SINGER**



STANDARD  
100

GARA Colour: yellow.

GARO Colour: orange.

High visibility vest. Material: 100% polyester, 120 gsm.

3 outer pockets. Zip fastening. Badge holder. D-ring keyholder.

Retro-reflective tapes.



2



50x1



S→4XL

**SINGER**



GIL4BJ Colour: yellow.

GIL4BO Colour: orange.

High visibility vest. Material: 100% polyester, 120 gsm.

Self-grip fastening. Retro-reflective tapes.



2



5x10



S→3XL

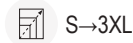
**SINGER**





VPLGILJ00 Colour: yellow.  
VPLGILO Colour: orange.

High visibility vest. Material: 100% polyester, 120 gsm.  
Self-grip fastening. Retro-reflective tapes.



SINGER



GILAIR Colour: yellow.  
GILAIRO Colour: orange.

High visibility vest. Material: 100% polyester, 120 gsm.  
Ventilated upper part. Badge holder. Retro-reflective tapes.



SINGER



GILA Colour: yellow.  
GILO Colour: orange.

High visibility vest. Material: 100% polyester, 120 gsm.  
Self-grip fastening. Retro-reflective tapes.



SINGER



GILVER

Vest with enhanced visibility. Material: 100% polyester, 120 gsm. Self-grip fastening.  
Retro-reflective tapes. Colour: green.



SINGER





**BRASSJ** Colour: yellow.  
**BRASSO** Colour: orange.

High visibility armband. Polyester coated with PU. Height: 90 mm.  
 Retro-reflective tape. Length: 450 mm. Self-grip fastening.



10x10

**SINGER**



**BALPL1**

Free standing floor sign. «Danger sol glissant.» (text in french language).

10x1



**ACCBADGE**

Self-adhesive transparent badge holder 3M™ 105x70mm.

10x50



**SGNCONE50**

Red and white roadsign cone in polyethylene. Height: 50 cm.

10x1



Standards presented in this document are not exhaustive and may change at any time. They are given for information purpose and cannot engage our responsibility in any case. If necessary, it is up to the reader of this catalogue to obtain useful and official documents in order to check the exact content of each standard.

## STANDARDS

|                                                |                                                                               |
|------------------------------------------------|-------------------------------------------------------------------------------|
| EN ISO 13688                                   | Protective clothing:<br>general requirements.                                 |
| EN ISO 11611                                   | Protective clothing:<br>welding and allied processes.                         |
| EN ISO 11612                                   | Protective clothing:<br>against heat and flame.                               |
| EN 342                                         | Protective clothing:<br>against cold ( $< -5^{\circ}\text{C}$ ).              |
| EN 14058                                       | Protective clothing:<br>against cool environments ( $> -5^{\circ}\text{C}$ ). |
| EN 343                                         | Protective clothing:<br>against bad weather.                                  |
| EN ISO 20471                                   | Protective clothing:<br>high visibility.                                      |
| EN 943 / EN 14605 /<br>EN ISO 13982 / EN 13034 | Protective clothing:<br>against chemicals.                                    |
| EN 14126                                       | Protective clothing:<br>against infective agents.                             |
| EN 1073-2                                      | Protective clothing:<br>against radioactive contamination.                    |
| EN 1149-5                                      | Protective clothing:<br>electrostatic properties.                             |
| EN ISO 14116                                   | Protective clothing:<br>against the flames,<br>limited flame spread.          |
| EN 14404                                       | Knee protection:<br>for work on knees.                                        |
| EN 61482-1-2                                   | Protective clothing:<br>against the thermal hazards<br>of an electric arc.    |

## EN 343 - AGAINST BAD WEATHER

|                                                                                     |              |                                                              |
|-------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------|
|  | Class 1 to 4 | Resistance to water penetration<br>(class 4 being the best). |
|                                                                                     | Class 1 to 4 | Evaporative resistance<br>(class 4 being the best).          |
|                                                                                     | Class R      | Controlled under a rain simulator<br>(optional).             |

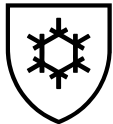
## EN ISO 20471 - HIGH VISIBILITY

|                                                                                                                                                                                                                                                                            |         |                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                           | Class 1 | Background material: $> 0,14 \text{ m}^2$<br>Retro-reflective material: $> 0,13 \text{ m}^2$<br>Combined performance material: $> 0,20 \text{ m}^2$ |
|                                                                                                                                                                                                                                                                            | Class 2 | Background material: $> 0,50 \text{ m}^2$<br>Retro-reflective material: $> 0,13 \text{ m}^2$<br>Combined performance material: $- \text{m}^2$       |
|                                                                                                                                                                                                                                                                            | Class 3 | Background material: $> 0,80 \text{ m}^2$<br>Retro-reflective material: $> 0,20 \text{ m}^2$<br>Combined performance material: $- \text{m}^2$       |
| <p>The coefficient of retro-reflection of the retro-reflective material must be class 2 to comply with EN ISO 20471 (class 1 of previous EN 471 standard has been cancelled).</p> <p>«X» indicates the class of the garment according to the compulsory minimum area..</p> |         |                                                                                                                                                     |

## EN 17353 - IMPROVED VISIBILITY

|                                                                                    |                                                                                       |                                                                   |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------|
|  |    | Type A: equipment<br>suitable for daylight.                       |
|                                                                                    |    | Type B1, B2 or B3: equipment<br>suitable for darkness.            |
|                                                                                    |  | Type AB2 or AB3: equipment<br>suitable for daylight and darkness. |

## EN 342 - AGAINST COLD ENVIRONMENTS

|                                                                                     |   |                                                      |
|-------------------------------------------------------------------------------------|---|------------------------------------------------------|
|  | A | Thermal resistance ( $\text{m}^2 \cdot \text{KW}$ ). |
|                                                                                     | B | Air permeability. Class 1 to 3 (3 being the best).   |
|                                                                                     | C | Resistance to water penetration. Optional test.      |

## EN 14058 - AGAINST COOL ENVIRONMENTS

|                                                                                     |   |                                                         |
|-------------------------------------------------------------------------------------|---|---------------------------------------------------------|
|  | A | Thermal resistance.<br>Class 1 to 4 (4 being the best). |
|                                                                                     | B | Air permeability.<br>Class 1 to 3 (3 being the best).   |
|                                                                                     | C | Resulting thermal insulation.<br>Optional test.         |
|                                                                                     | D | Resistance to water penetration.<br>Optional test.      |

## EN 13758-2 - AGAINST SOLAR UV RADIATION

|                                                                                     |                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Performance requirements for protection against ultraviolet radiation UPF (UV protective factor) $> 40$ . There is only one level provided for in this standard (UPF 40+) even if a higher level is obtained. |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## EN ISO 14116 - LIMITED FLAME SPREAD

|                                                                                             |                                                                                                                                                                                |         |                                                                                                                                         |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <br>A/BC/D | A                                                                                                                                                                              | Index 1 | - Limited flame spread.<br>- Absence of burning debris.<br>- Residual glow.                                                             |
|                                                                                             |                                                                                                                                                                                | Index 2 | - Limited flame spread.<br>- Absence of burning debris.<br>- Residual glow.<br>- No hole formations.                                    |
|                                                                                             |                                                                                                                                                                                | Index 3 | - Limited flame spread.<br>- Absence of burning debris.<br>- Residual glow.<br>- No hole formations.<br>- Limited persistence of flame. |
|                                                                                             | B                                                                                                                                                                              | -       | Number of washes.                                                                                                                       |
|                                                                                             | C                                                                                                                                                                              | H       | Home washing.                                                                                                                           |
|                                                                                             |                                                                                                                                                                                | I       | Industrial washing.                                                                                                                     |
|                                                                                             |                                                                                                                                                                                | C       | Chemical washing.                                                                                                                       |
|                                                                                             | D                                                                                                                                                                              | -       | Washing temperature.                                                                                                                    |
|                                                                                             | If the materials can not be washed: BC/D = 0/0<br>The pictogram (see above) can be used only<br><b>if the product has been tested to another standard of flame protection.</b> |         |                                                                                                                                         |

## EN ISO 11612 - PROTECTION AGAINST HEAT AND FLAME

|                                                                                                                                                                                                                                                     |              |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------|
|                                                                                                                                                                  | A1 and/or A2 | Limited flame spread.    |
|                                                                                                                                                                                                                                                     | B1 to B3     | Convective heat.         |
|                                                                                                                                                                                                                                                     | C1 to C4     | Radiant heat.            |
|                                                                                                                                                                                                                                                     | D1 to D3     | Molten aluminium splash. |
|                                                                                                                                                                                                                                                     | E1 to E3     | Molten iron splash.      |
|                                                                                                                                                                                                                                                     | F1 to F3     | Contact heat.            |
| This standard imposes a number of requirements in terms of product design (for example: the flap of the outer pockets must be larger than the pocket...). Each garment must bear the code letters A1 and / or A2 plus at least another code letter. |              |                          |

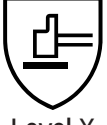
## EN ISO 11611 - WELDING AND ALLIED PROCESSES.

|                                                                                     |          |                                                                                              |
|-------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------|
|  | Class 1  | Against minor risks:<br>Less projections and a weak radiant heat.                            |
|                                                                                     | Class 2  | Against important risks: More projections and a more important radiant heat.                 |
|                                                                                     | A1 or A2 | Test method used for spreading of the flame, in conformity with the standard ISO 15024/2000. |

## IEC 61482 - THERMAL HAZARDS OF AN ELECTRICAL ARC

|                                                                                                                                                                                                              |       |                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------|
|                                                                                                                           | APC 1 | Tested with an electrical arc of 4 000 amperes |
|                                                                                                                                                                                                              | APC 2 | Tested with an electrical arc of 7 000 amperes |
| Also, for each class, are checked:<br>- Absence of flame spread.<br>- Absence of heat transfer that can burn the user to the 2nd degree.<br>- Proper functioning of the EPI closure systems after the tests. |       |                                                |

## EN 14404 - KNEE PROTECTION

|                                                                                                        |                                                                                           |                                     |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------|
| TYPE X<br><br>Level X | Type 1                                                                                    | Protective portable knee pads.      |
|                                                                                                        | Type 2                                                                                    | Knee pads associated with clothing. |
|                                                                                                        | Type 3                                                                                    | Carpet for knees.                   |
|                                                                                                        | Type 4                                                                                    | Kneeling systems.                   |
| Level 0                                                                                                | Flat floors, no resistance to penetration required.                                       |                                     |
| Level 1                                                                                                | Flat floors, resistance to penetration of 100N.                                           |                                     |
| Level 2                                                                                                | Flat or irregular surfaces, resistance to penetration of 100N.                            |                                     |
| Level 3                                                                                                | Flat or irregular surfaces under difficult conditions, resistance to penetration of 250N. |                                     |

EN 943, EN 14605, EN ISO 13982, EN 13034  
AGAINST CHEMICALS

|                                                                                     |        |                                                                  |
|-------------------------------------------------------------------------------------|--------|------------------------------------------------------------------|
|  | Type 1 | Gaz tight.                                                       |
|                                                                                     | Type 2 | Non gaz tight.                                                   |
|                                                                                     | Type 3 | Liquid tight connections.                                        |
|                                                                                     | Type 4 | Spray-tight connections.                                         |
|                                                                                     | Type 5 | Protection to the full body against airborne solid particulates. |
|                                                                                     | Type 6 | Limited protection against liquid chemicals.                     |

## EN 14126 - AGAINST INFECTIVE AGENTS

|                                                                                     |                                                                                              |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|  | Performance requirements and tests methods for protective clothing against infective agents. |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|

## EN 1073-2 - AGAINST RADIOACTIVE CONTAMINATION

|                                                                                     |                                                                                                                     |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|  | Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination. |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|

## EN 1149-5 - ELECTROSTATIC PROPERTIES

|                                                                                     |                                                                                 |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
|  | Electrostatic properties, part 5. Material performance and design requirements. |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|

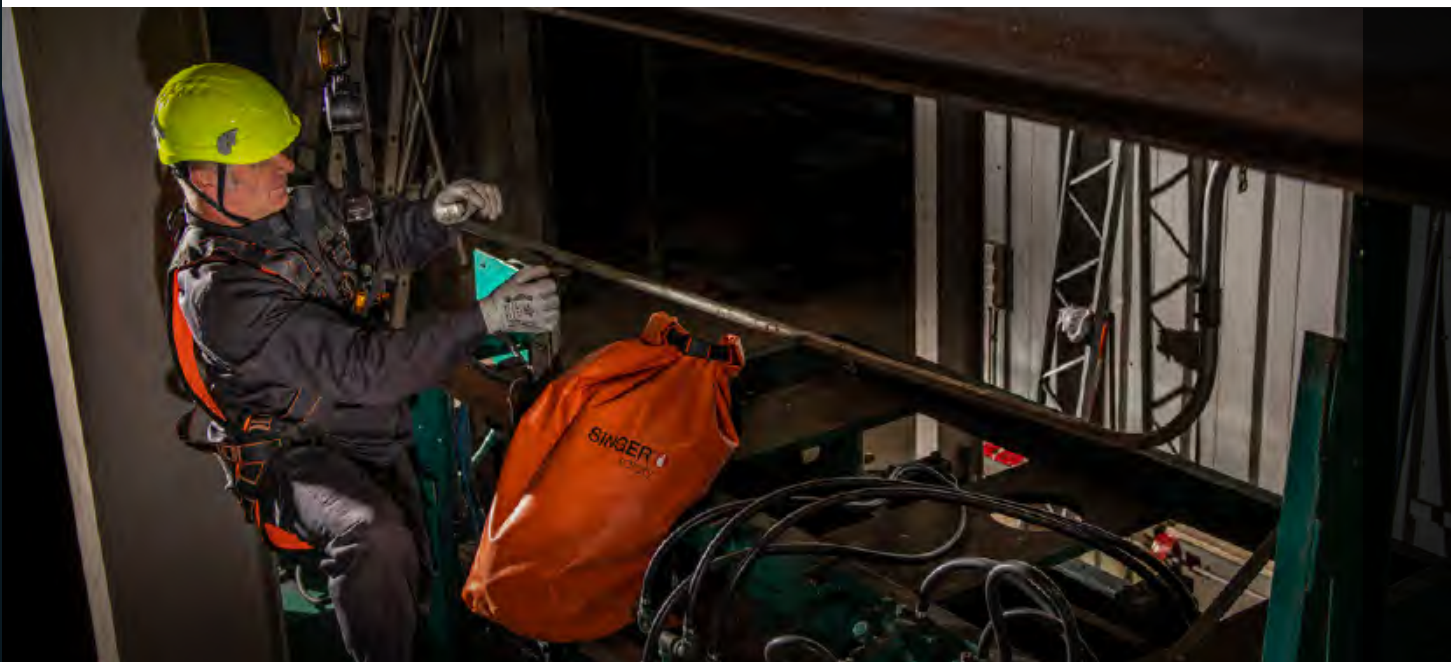
















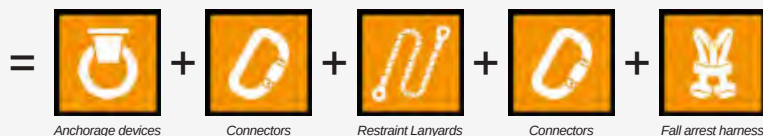
## RESTRAINT SYSTEM

*This mode of protection is intended to limit movements of the user.*

*It prevents from reaching areas where a fall could occur.*

*It's not able to stop a fall from height and should not be confused with a fall arrest system, even if it is implemented with components that may look similar.*

**WARNING: THE LENGTH OF THE LANYARD MUST BE CHOSEN OR ADJUSTED TO MAKE THE FALL IMPOSSIBLE.**



Anchorage devices

Connectors

Restraint Lanyards

Connectors

Fall arrest harness



Fall arresters on a rope

=



Rope for fall arresters

+



Fall arresters without rope



## FALL ARREST SYSTEM

*These systems are intended to allow a user to reach areas / positions where there is a risk of falling. It must stop a fall if it occurs, then ensure the suspension after stopping the fall. Those systems are always made of an anchor point, a connecting element (with an energy absorption function) and a fall arrest harness.*

**WARNING: BEFORE ANY USE, IT IS IMPORTANT TO CONSIDER THE NOTIONS OF FALL FACTOR AND AIR DRAFT.**



Anchorage devices

Connectors

Retractable type fall arrester

Fall arresters on a rope

Fall arrest Lanyards

Connectors

Fall arrest harness



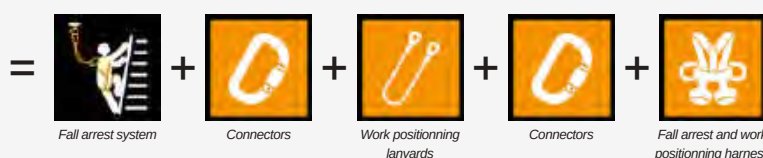
## WORK POSITIONING SYSTEMS

*With this system, the user is able to perform a task on a structure that requires a supported or suspended working position.*

*In any case, a work positioning system does not replace the fall arrest system: it doesn't ensure this function.*

*The user must associate it with a fall arrest system.*

**WARNING: A WORK POSITIONING SYSTEM MUST ALWAYS BE ASSOCIATED TO A FALL ARREST SYSTEM.**



Fall arrest system

Connectors

Work positioning lanyards

Connectors

Fall arrest and work positioning harness





### ANKAFRAME

Anodized aluminium bar anchor.  
Installation on door or window frame.  
Does not require tools for setting up. Up to 2 users.  
Adjustable from: 60 to 125 cm. Length: 150 cm.  
Supplied with its carrying bag.

EN 795 (Type B)



1x1



4,9 kg

**SINGER**



### ANKABIM

Anodized aluminium beam anchor.  
Installation on horizontal IPN beam.  
Adjustable from: 90 to 340 mm. Length: 50 cm.

EN 795 (Type B)



1x1



1,9 kg

**SINGER**



**LINEA200**

Temporary anchoring. Maximum load of 200 kg.

Horizontal lifeline made of polyester strap.

Anchorage devices made of polyester strap.

Steel tensioning system. Up to 2 users. Adjustable from: 5 to 20 m.

Length: 20 m. Width: 30 mm. Supplied with its carrying bag.

EN 795 (Type B and C), CEN/TS 16415 (Type B and C)



1x1



4,05 kg

**SINGER** 

**ANCASTIL10** Length: 100 cm.

**ANCASTIL15** Length: 150 cm.

Temporary anchoring.

Stainless steel cable, protected by a plastic sheath.

Splice on both ends. Cable diameter: 7 mm. Eyelet width: 37 mm.

EN 795 (Type B)



20x1



ANCASTIL10: 365 g

ANCASTIL15: 545 g

**SINGER** 

**ANCANO6** Length: 60 cm.

**ANCANO12** Length: 120 cm.

Temporary anchoring. Polyamide strap ring. Width: 16 mm.

EN 795 (Type B)



20x1



ANCANO6: 60 g

ANCANO12: 105 g

**SINGER** 



### ARAWEB100

Retractable fall arrester with polyester strap.

Includes a double action steel connector, captive with swivel (opening: 12 mm).

Includes a triple action aluminium connector OVALUX.

Presence of a fall witness. Case resistant to shocks.

Use in factor 0 only. Total Length: 10 m.

EN 360



1x1



5,7 kg

**SINGER**



### ARALUX

Retractable fall arrester with polyester strap.

Includes a light double action aluminium connector, captive with swivel (opening: 18 mm).

Includes a triple action aluminium connector OVALUX.

Presence of a fall witness. Visible energy absorber.

Possible use in factor 2. Total Length: 2 m.

EN 360, VG11 RFU PPE-R/11.060



1x1



990 g

**SINGER**



### ARAPRO

Retractable fall arrester with polyamide strap.

Includes two steel screw connectors OVABASE. Visible energy absorber.

Use in factor 0 only. Total Length: 2,5 m.

EN 360



5x1



1,2 kg

**SINGER**



VIDEO







**STOPLUX100** Length: 10 m.

**STOPLUX200** Length: 20 m.

Aluminium mobile fall arrester on rope. Double action closing.

Includes a triple action aluminium captive connector OVALUX, connected by a micro-cable.

Fluid on ascent and descent, with no action required from the user.

Fall arrest device: braided polyester rope. Diameter: 12 mm.

Includes an energy absorber protected by a sheath.

Equipped with a 30 cm polyester rope protection.

EN 353-2



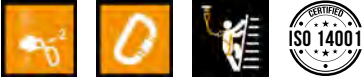
STOPLUX100: 10x1  
STOPLUX200: 5x1



STOPLUX100: 1,6 kg  
STOPLUX200: 3,0 kg

**SINGER**





## STOPRO

Steel mobile fall arrester on rope.

Double action closing. Includes a steel screw captive connectors OVABASE, connected with a micro-cable.

Fluid on ascent and descent, with no action required from the user.

Use with ASSUTWIST or ASSULINE rope (Not included).

EN 353-2



5x1

700 g

SINGER



ASSUTWIST100 Length: 10 m.

ASSUTWIST200 Length: 20 m.

Anchorage line made of stranded polyamide rope. Diameter: 14 mm.

Compatible with the mobile fall arrester on rope STOPRO.

Splices on both sides, protected by a plastic sheath.

EN 353-2



ASSUTWIST100: 10x1

ASSUTWIST200: 5x1

ASSUTWIST100: 1,4 kg

ASSUTWIST200: 2,8 kg

SINGER



ASSULINE100 Length: 10 m.

ASSULINE200 Length: 20 m.

Braided polyester rope. Diameter: 12 mm.

Compatible with the mobile fall arrester on rope STOPRO.

Not compatible with the mobile fall arrest system STOPLUX.

Splice on one side, protected by a plastic sheath.

EN 353-2



ASSULINE100: 10x1

ASSULINE200: 5x1

ASSULINE100: 1,2 kg

ASSULINE200: 2,4 kg

SINGER



VIDEO







### TWINLUX15

Double fall arrest lanyard. Elasticated polyester strap.  
Integrated energy absorber, protected by a plastic sheath.  
Includes two double action aluminium captive connectors GRABLUX.  
Includes a triple action aluminium connector OVALUX.  
Minimum air draft required: 5,75 m (factor 2).  
Unstretched Length: 1,25 m. Stretched Length: 1,5 m.

EN 355, VG11 RFU PPE-R/11.063



**SINGER**



### TWINPRO15

Double fall arrest lanyard. Stranded polyamide rope. Diameter: 12 mm.  
Integrated energy absorber, protected by a plastic sheath.  
Includes two double action steel captive connectors GRABPRO.  
Includes a steel screw connector OVABASE.  
Minimum air draft required: 5,75 m (factor 2). Length: 1,5 m.

EN 355, VG11 RFU PPE-R/11.063



**SINGER**



### CORTAB15

Fall arrest lanyard. Stranded polyamide rope.  
Integrated energy absorber, protected by a plastic sheath.  
Splice on one side. Minimum air draft required: 5,75 m (factor 2).  
Length: 1,5 m. Diameter: 12 mm.

EN 355



**SINGER**



**CORTOLUX15**

Restraint lanyard. Braided polyamide rope.  
Diameter: 11 mm. Length: 1,5 m. Splices on both sides.  
Includes double action aluminium connector GRABLUX.  
Includes steel screw connector OVABASE.

EN 354



10x1



855 g

**SINGER** **CORTOPRO10** Length: 1 m.**CORTOPRO15** Length: 1,5 m.

Restraint lanyard. Stranded polyamide rope.  
Diameter: 12 mm. Splices on both sides.  
Includes a double action steel connectors GRABPRO.  
Includes a steel screw connector OVABASE.

EN 354



10x1

CORTOPRO10: 815 g  
CORTOPRO15: 885 g**SINGER** **CORTOBASE10** Length: 1 m.**CORTOBASE15** Length: 1,5 m.

Restraint lanyard. Stranded polyamide rope.  
Diameter: 12 mm. Splices on both sides. No connector included.

EN 354



25x1

CORTOBASE10: 170 g  
CORTOBASE15: 255 g**SINGER**





### WORKLUX

Work positioning lanyard. Braided polyester rope. Diameter: 12 mm.

Aluminium rope adjustment device, opening with two consecutive actions. Rope jamming system.

Includes a triple action aluminium connector OVALUX.

Includes a double action aluminium captive hook (opening: 18,5 mm).

Equipped with a 30 cm polyester rope protection. Maximal Length: 2 m.

EN 358



**SINGER**



### WORKPRO

Work positioning lanyard. Stranded polyamide rope. Diameter 14 mm.

Splice on one side. Steel rope adjustment device. Rope jamming system.

Includes two steel screw connectors OVABASE. Maximal Length: 2 m.

EN 358



**SINGER**



### WORKBASE

Work positioning lanyard. Stranded polyamide rope.

Diameter 14 mm. Splice on one side. Stainless steel adjustment ring.

Includes two steel screw connectors OVABASE. Maximal Length: 2 m.

EN 358



**SINGER**





### HARRICANA3

Maximum load of 140 kg. Suitable for the restraint system, fall arrest system, work positioning and rope access functions. Polyester strap construction. Contrasted security seams. Padded with knitted mesh lining. Adjustable straps (sternals, waist, thighs).

This harness includes:

- 1 dorsal connection (fall arrest) with aluminium ring.
- 1 sternal connection (fall arrest) with aluminium ring.
- 2 lateral connections (work positioning) with aluminium ring.
- 1 ventral connection (access by rope) with aluminium ring.
- 4 automatic buckles for straps closing.
- 4 equipment holders.

EN 358, EN 361, EN 813



5x1



2,4 kg



One size only

**SINGER**





## HARRISTAR

Maximum load of 140 kg. Suitable for the restraint system, fall arrest system, work positioning and rope access functions. Polyester strap construction. Contrasted security seams. Padded with knitted mesh lining. Adjustable straps (sternals, waist, thighs).

This harness includes:

- 1 dorsal connection (fall arrest) with steel ring.
- 1 sternal connection (fall arrest) with steel ring.
- 2 lateral connections (work positioning) with steel ring.
- 1 ventral connection (access by rope) with steel ring.
- 7 equipment holders.

EN 358, EN 361, EN 813



## HARRIWORK

Maximum load of 140 kg. Suitable for the restraint system, fall arrest system and work positioning functions. Polyester strap construction. Contrasted security seams. Padded with knitted mesh lining. Adjustable straps (sternals, waist, thighs).

This harness includes:

- 1 dorsal connection (fall arrest) with steel ring.
- 1 sternal connection (fall arrest) with 2 textile buckles.
- 2 lateral connections (work positioning) with steel ring.
- 7 equipment holders.

EN 358, EN 361



5x1



2,3 kg



One size only

**SINGER**



5x1



1,8 kg



One size only

**SINGER**





### HARRICANA1

Maximum load of 140 kg. Suitable for the restraint and fall arrest system. Polyester strap construction. Contrasted security seams. Padded with knitted mesh lining. Adjustable straps (sternals, thighs).

This harness includes:

- 1 dorsal connection (fall arrest) with aluminium ring.
- 1 sternal connection (fall arrest) with 2 textile buckles.
- 1 automatic buckle for harness closing.
- 2 automatic buckles for straps closing.
- 2 equipment holders.

EN 361



5x1

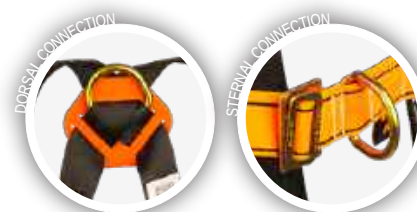


1,7 kg



One size only

**SINGER**



### HARRISTIL

Maximum load of 140 kg. Suitable for the restraint and fall arrest system. Polyester strap construction. Contrasted security seams. Adjustable straps (sternals, thighs).

This harness includes:

- 1 dorsal connection (fall arrest) with steel ring.
- 1 sternal connection (fall arrest) with steel ring.

EN 361



10x1



1,2 kg



One size only

**SINGER**





### HARRIMIX

Maximum load of 140 kg. Suitable for the restraint and fall arrest system.  
Polyester strap construction. Contrasted security seams.  
Adjustable straps (sternals, thighs).

This harness includes:

- 1 dorsal connection (fall arrest) with steel ring.
- 1 sternal connection (fall arrest) with 2 textile buckles.

EN 361



10x1



920 g



One size only

**SINGER**



### HARRIONE

Maximum load of 140 kg. Suitable for the restraint and fall arrest system.  
Polyester strap construction. Contrasted security seams.  
Adjustable straps (sternals, thighs).

This harness includes:

- 1 dorsal connection (fall arrest) with steel ring.

EN 361



10x1



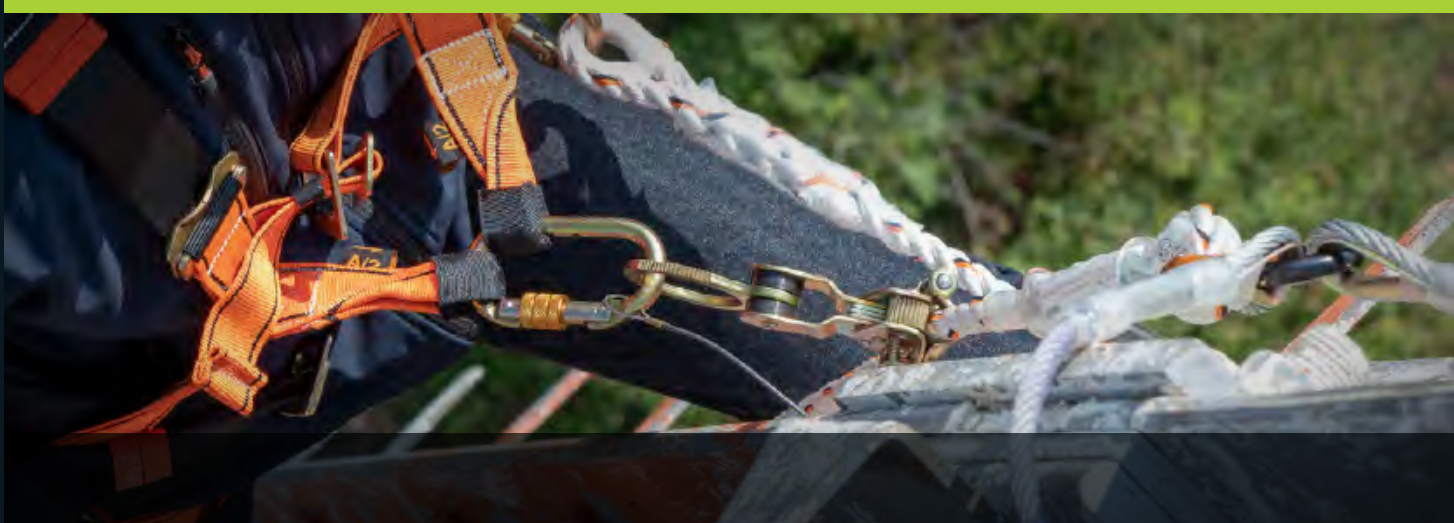
800 g



One size only

**SINGER**





### OVALUX

Symmetrical light connector, made of anodized aluminium. Triple action automatic closure to ensure maximum safety. Perfect to connect a lanyard to the fall arrest harness. Incorporates «No hook» technology. Opening: 14 mm.

EN 362 (Class B) / static resistance: 23 kN



**SINGER**



### OVALOCK

Steel symmetrical connector, screw closure. With a wide ferrule. Perfect to connect fall arrest equipment. Non-closing red indicator to ensure safety. Incorporates «No hook» technology. Opening: 16 mm.

EN 362 (Class B and M) / static resistance: 23 kN



**SINGER**



### OVABASE

Steel symmetrical connector, screw closure. Perfect to connect fall arrest equipment. Opening: 18 mm.

EN 362 (Class B and M) / static resistance: 25 kN



**SINGER**





### NOVOPRO

Unsymmetrical light connector, made of anodized aluminium.

Double action automatic closure, 1/4 turn.

Its width allows to accommodate several equipment. Opening: 21 mm.

EN 362 (Class B) / static resistance: 23 kN



SINGER



### NOVOBASE

Unsymmetrical light connector, made of anodized aluminium. Screw closure.

Its width allows to accommodate several equipment. Opening: 22 mm.

EN 362 (Class B) / static resistance: 23 kN



SINGER



### GRABLUX

Aluminium light connector.

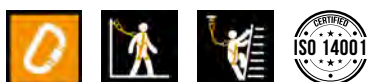
Simple and fast use, double action.

Perfect to connect a lanyard to a wide metallic structures. Opening: 60 mm.

EN 362 (Class A and T) / static resistance: 22 kN



SINGER



### GRABPRO

Steel connector.

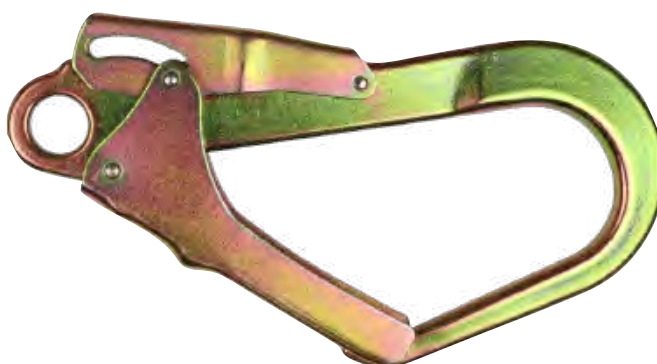
Simple and fast use, double action.

Perfect to connect a lanyard to a wide metallic structures. Opening: 50 mm.

EN 362 (Class T) / static resistance: 23 kN



SINGER





### KITCOUVE

This kit includes:

- 1 fall arrest harness (HARRIMIX) + 1 rope (ASSUTWIST100)
- + 1 temporary anchoring (ANKANO10) + 1 mobile fall arrester (STOPRO)
- + 1 connector (OVABASE) + 1 carrying bag (SACPRO).



**SINGER**



### KITH04

This kit includes:

- 1 fall arrest harness (HARRIMIX)
- + 1 double fall arrest lanyard (TWINPRO15) + 1 carrying bag.



**SINGER**



### KITH03

This kit includes:

- 1 fall arrest harness (HARRIONE) + 2 connectors (OVABASE)
- + 1 fall arrest lanyard (CORTAB15) + 1 carrying bag.



**SINGER**



### KITNACEL

This kit includes:

- 1 fall arrest harness (HARRIONE)
- + 1 restraint lanyard (CORTONAK15 / 1,5 m) + 1 carrying bag.



**SINGER**



## TOOLFLEX2

Extendable tool holder. Material: 100% polyester. Small carabiner to attach a tool. Cord on the other end. Maximum supported load: 10 kg. Length at rest: 54 cm. Length under tension: 86 cm. Colour: orange and black.



25x1



60 g

SINGER



## SACHYDRO

Tarpaulin waterproof bag P.V.C 500 D. Thickness: 0.50 mm. Height: 86 cm. Opening: 33 cm. Volume: 60 liters. Winding closure and clip. Two adjustable straps, padded with mesh lining. Chest strap with clip. 2 equipment holders.



10x1



850 g

SINGER



## SACPRO

Polyester carry bag. Dimension: 45 x 22 x 22 cm. Volume: 22 liters. Zip fastening. Label holder (label not included). Two straps. Colour: black and orange.



25x1



340 g

SINGER



## SACKIT2

Polyester carry bag. Dimension: 32,5 x 45 cm. Cords fastening. Colour: black and white.



50x1



50 g

SINGER



Standards presented in this document are not exhaustive and may change at any time. They are given for information purpose and cannot engage our responsibility in any case. If necessary, it is up to the reader of this catalogue to obtain useful and official documents in order to check the exact content of each standard.



## STANDARDS

|          |                                                                                                                                      |
|----------|--------------------------------------------------------------------------------------------------------------------------------------|
| EN 353-2 | PPE against falls from a height:<br>Fall arresters on a flexible anchorage line.                                                     |
| EN 354   | PPE against falls from a height:<br>Lanyards.                                                                                        |
| EN 355   | PPE against falls from a height:<br>Energy absorber.                                                                                 |
| EN 358   | PPE against falls from a height: Belts for work positioning and restraint and work positioning lanyards.                             |
| EN 360   | PPE against falls from a height:<br>Retractable type fall arresters.                                                                 |
| EN 361   | PPE against falls from a height:<br>Full body harnesses.                                                                             |
| EN 362   | PPE against falls from a height:<br>Connectors.                                                                                      |
| EN 363   | PPE against falls from a height:<br>Personal fall protection systems.<br>General requirements for instructions for use, and marking. |
| EN 365   | PPE against falls from a height:<br>General requirements for instructions for use, and marking.                                      |
| EN 795   | PPE against falls from a height:<br>Anchor devices.                                                                                  |
| EN 813   | PPE against falls from a height:<br>Sit harnesses.                                                                                   |

## EN 353-2 - FALL ARRESTERS ON A FLEXIBLE ANCHORAGE LINE



The fall arresters follows the user as he progresses and blocks him automatically in case of fall.

- > Static resistance:
  - Anchorage line (resist to a 22 kN force).
  - Anchorage cable (resist to a 15 kN force).
- > Dynamic performance (with a trial mass of 100 Kg):
  - Braking force does not go over 6 kN.
  - Stopping distance does not go over 3 m.

## EN 354 - LANYARDS



Lanyards are connecting elements, they can include an energy absorber, which helps absorbing the impact of a fall. In this case, this element is covered by the standard EN 355.



## EN 355 - ENERGY ABSORBER



Energy absorber is obligatorily used in situation where the user is exposed to fall risks. The lanyard has to dissipate the Energy developed during a fall from a height and to reduce the braking force to a no lesional level.

The Energy absorber is made up of a strap folded into a package. In the event of an impact, the package is torn open and the strap unfolds gradually. The anti-fall link is equipped with a connector that links the harness to the anchoring point. The connectors can be made directly with the lanyard or sold separately. They are covered by standard EN 362

- > Dynamic performance:
  - Braking force does not go over 6 kN.
  - Static preloading: 2kN
- > Static resistance:
  - Absorber (completely unfold) resist to 15 kN.

## EN 358 - WORK POSITIONING BELTS AND LANYARD



The work positioning lanyard links the belt to the anchoring point (restraint), or to a surrounding structure to allow to free the hands (work positioning). The work positioning lanyard connects a belt at an anchor point (restraint), or a structure surrounding it, so to be able to let go of the hands (maintenance at work). In this case, use with a fall arrest system.

## EN 360 - RETRACTABLE TYPE FALL ARRESTER



The retractable type fall arrester is equipped with a retractable lanyard, it ensures the automatic locking function in case of fall. It integrates a dissipator or an energy absorber.

- > Static resistance:
  - With a retractable textile lanyard: 15 kN
  - With a retractable metal lanyard: 12 kN
- > Dynamic performance:
  - Braking force does not go over 6 kN.

## EN 361 - FULL BODY HARNESS



The fall arrest harness is a body gripping device (adjustable to the user's morphology) designed to stop falls. It's an element of the fall arrest device (anchorage device + fall arrest link + full body harness)

- > Static resistance: 15kN
- > Dynamic performance:
  - Harness fitted to a 100 kg mass, connected to a rope, must resist to two falls of 4 m:
  - Head-up position, and head-down position the harness must hold the dummy. After each fall, the dummy must be hold in a position not exceeding 50° from the upright position.

## EN 362 - CONNECTORS



Connectors are openable device used to connect components. The locking of the connector is divided into a minimum of two actions (automatic-locking gate or manual-locking gate),

Different shapes exist to fit to the types of works and environment. They can be made of galvanized steel, stainless steel, alloy steel...

- > Static resistance for a basic connector (class B):
  - Major axis gate closed and unlocked: 15 kN.
  - Major axis gate closed and locked: 20 kN.
  - Minor axis Gate closed: 7 kN.

## EN 795 - ANCHORAGE DEVICES



The anchor device includes fix or mobile anchor points. They are intended for the connection of components in a personal fall protection system.

| Type | Anchor Device                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A    | anchor device with one or more stationary anchor points, while in use, and with the need for a structural anchor(s) or fixing element(s) to fix to the structure |
| B    | anchor device with one or more stationary anchor points without the need for a structural anchor(s) or fixing element(s) to fix it to the structure              |
| C    | anchor device employing a flexible anchor line which deviates from the horizontal by not more than 15°                                                           |
| D    | anchor device employing a rigid anchor line which deviates from the horizontal by not more than 15°                                                              |
| E    | anchor device for use on surfaces up to 5° from the horizontal where the performance relies solely on mass and friction between itself and the surface           |

Example for an anchor device type B:

- > Static resistance:
  - During 3 mm if the anchor device is in metal: 12 kN
  - During 3 mm if the anchor device is in textil: 18 kN
- > Dynamic resistance:
  - Fall of a mass of 300 Kg in factor 1, no breaking.

## EN 813 - SIT HARNESSSES



The sit harness is a textil element encircling the waist, connected to each leg and provided with a ventral attachment point allowing the suspension of a person.

- > Static resistance: 15 kN









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safety



|                                                                                               | BOLT           | RACER          | ARMADA       | ARMADILLO    | BARIO            | BARI             | GENES          | AVILA         | RODI          |
|-----------------------------------------------------------------------------------------------|----------------|----------------|--------------|--------------|------------------|------------------|----------------|---------------|---------------|
|                                                                                               | S1 PS<br>FO SR | S1 PS<br>FO SR | S3S<br>FO SR | S3S<br>FO SR | S3S FO<br>SR HRO | S3S FO<br>SR HRO | S1 PL<br>FO SR | S1 P<br>FO SR | S1 P<br>FO SR |
| <b>AREA OF USE</b><br><small>READ THE ENCLOSED INSTRUCTIONS BEFORE USE</small>                |                |                |              |              |                  |                  |                |               |               |
| <b>AVERAGE WEIGHT</b><br><small>APPROXIMATIVE WEIGHT OF A SHOE (SIZE 42)</small>              | 600 g          | 550 g          | 660 g        | 600 g        | 670 g            | 660 g            | 550 g          | 580 g         | 610 g         |
| <b>OPTIMAL LIGHTNESS</b><br><small>WEIGHT LESS THAN 600 GRAMS</small>                         |                |                |              |              |                  |                  |                |               |               |
| <b>BREATHABLE UPPER</b><br><small>LATERAL VENTILATION SYSTEM + VENTILATED INSOLE</small>      |                |                |              |              |                  |                  |                |               |               |
| <b>COMFORTABLE TONGUE</b><br><small>LIMITS COMPRESSION POINTS + STABILISES LACING</small>     |                |                |              |              |                  |                  |                |               |               |
| <b>ERGONOMIC INSOLE</b><br><small>ANTISTATIC + REMOVABLE + ENERGY ABSORBING HEEL</small>      |                |                |              |              |                  |                  |                |               |               |
| <b>FLEXIBLE MIDSOLE</b><br><small>PIERCE RESISTANT MIDSOLE WITH HIGH TENACITY TEXTILE</small> |                |                |              |              |                  |                  |                |               |               |
| <b>METAL FREE SHOES</b>                                                                       |                |                |              |              |                  |                  |                |               |               |
| <b>ENVIRONMENT</b><br><small>DRY, WET OR COLD</small>                                         |                |                |              |              |                  |                  |                |               |               |
| <b>ESD - EN IEC 61340-5-1</b><br><small>ELECTROSTATIC DISCHARGE</small>                       |                |                |              |              |                  |                  |                |               |               |



TRANSPORT & LOGISTIC

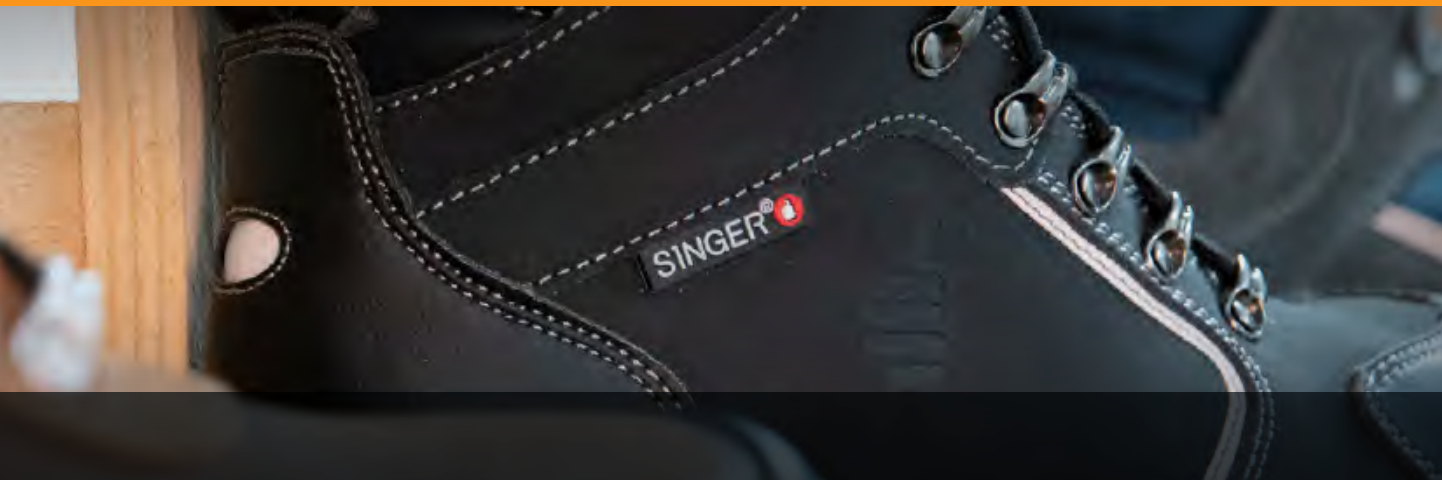


CONSTRUCTION



FINISHINGS





|              |              |                    |                    |              |              |                     |                  |                  |                  |               |                    |                    |
|--------------|--------------|--------------------|--------------------|--------------|--------------|---------------------|------------------|------------------|------------------|---------------|--------------------|--------------------|
|              |              |                    |                    |              |              |                     |                  |                  |                  |               |                    |                    |
| MONZA        | SPA          | OBSID              | ZINC               | INDUSO       | INDUSA       | AXION               | YMOLA            | MILAN            | ETNA             | ST280         | ABISS              | NIX                |
| S3S<br>FO SR | S3S<br>FO SR | S3S FO<br>SR LG CI | S3S FO<br>SR LG CI | S3S<br>FO SR | S3S<br>FO SR | S3S FO SR<br>HRO AN | S3S FO<br>SR HRO | S3L FO<br>SR HRO | S3L FO<br>SR HRO | S1 P<br>FO SR | S7S FO<br>SR LG SC | S3S FO<br>SR LG SC |
|              |              |                    |                    |              |              |                     |                  |                  |                  |               |                    |                    |
| 660 g        | 600 g        | 710 g              | 670 g              | 620 g        | 600 g        | 850 g               | 790 g            | 730 g            | 700 g            | 640 g         | 850 g              | 780 g              |
|              |              |                    |                    |              |              |                     |                  |                  |                  |               |                    |                    |
|              |              |                    |                    |              |              |                     |                  |                  |                  |               |                    |                    |
|              |              |                    |                    |              |              |                     |                  |                  |                  |               |                    |                    |
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|              |              |                    |                    |              |              |                     |                  |                  |                  |               |                    |                    |



**WELDING\***

\*SOMETIMES AN ADDITIONAL OVER-PROTECTION IS NECESSARY  
(EN ISO 11611 COMPLIANT).



**INDUSTRY**

ESD = ELECTROSTATIC DISCHARGE



**FOOD AND MEDICAL SECTORS**





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safety



| TRANIX             | TORK               | IRON               | LAURO        | TRIESTE     | TARGO       | VIGGO       | VIGGA       | SLIPA       |
|--------------------|--------------------|--------------------|--------------|-------------|-------------|-------------|-------------|-------------|
| S3S FO<br>SR LG SC | S3S FO<br>SR LG CI | S3S FO<br>SR LG CI | S3L<br>FO SR | S3<br>FO SR | S2<br>FO SR | S2<br>FO SR | S2<br>FO SR | SB<br>FO SR |

#### AREA OF USE

READ THE ENCLOSED INSTRUCTIONS BEFORE USE



#### AVERAGE WEIGHT

APPROXIMATIVE WEIGHT OF A SHOE (SIZE 42)

720 g    680 g    640 g    680 g    680 g    550 g    480 g    480 g    480 g

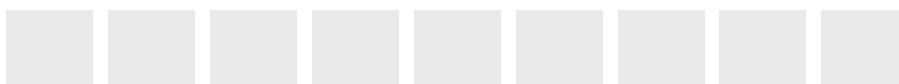
#### OPTIMAL LIGHTNESS

WEIGHT LESS THAN 580 GRAMS



#### BREATHABLE UPPER

LATERAL VENTILATION SYSTEM + VENTILATED INSOLE



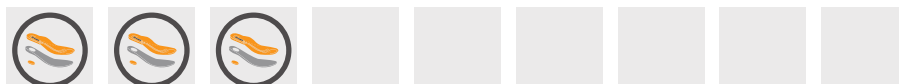
#### COMFORTABLE TONGUE

LIMITS COMPRESSION POINTS + STABILISES LACING



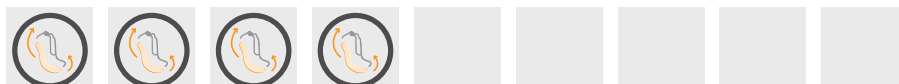
#### ERGONOMIC INSOLE

ANTISTATIC + REMOVABLE + ENERGY ABSORBING HEEL



#### FLEXIBLE MIDSOLE

PIERCE RESISTANT MIDSOLE WITH HIGH TENACITY TEXTILE



#### METAL FREE SHOES



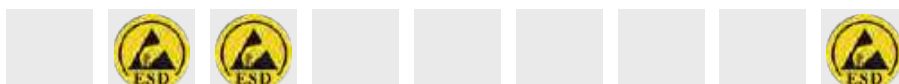
#### ENVIRONMENT

DRY, WET OR COLD



#### ESD - EN IEC 61340-5-1

ELECTROSTATIC DISCHARGE



TRANSPORT & LOGISTIC



CONSTRUCTION



FINISHINGS





|                |             |               |             |               |                    |                     |             |             |                |             |             |             |
|----------------|-------------|---------------|-------------|---------------|--------------------|---------------------|-------------|-------------|----------------|-------------|-------------|-------------|
|                |             |               |             |               |                    |                     |             |             |                |             |             |             |
| GR350F         | GR350       | GR100         | GR250       | GR200         | GAIA               | GR800               | GR400F      | GR400M      | BORNE          | BOTSEKU     | BOTVER      | BOTBLAN     |
| S3 FO<br>CI SR | S3<br>FO SR | S1 P<br>FO SR | S3<br>FO SR | S1 P<br>FO SR | S7S FO<br>SR LG SC | S3S HI FO<br>SR HRO | S3<br>FO SR | S3<br>FO SR | S5 FO<br>CI SR | S5<br>FO SR | OB<br>FO SR | OB<br>FO SR |
|                |             |               |             |               |                    |                     |             |             |                |             |             |             |
| 700 g          | 620 g       | 600 g         | 590 g       | 580 g         | 930 g              | 810 g               | 830 g       | 830 g       | 1100 g         | 1100 g      | 810 g       | 810 g       |
|                |             |               |             |               |                    |                     |             |             |                |             |             |             |
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**WELDING\***

\*SOMETIMES AN ADDITIONAL OVER-PROTECTION IS NECESSARY  
(EN ISO 11611 COMPLIANT).



**INDUSTRY**

ESD = ELECTROSTATIC DISCHARGE



**FOOD AND MEDICAL SECTORS**





SLIP RESISTANCE



STUDED SOLE



RESISTANCE TO FUEL OIL



ANTISTATIC PROPERTIES

SHOCKPROOF COMPOSITE  
TOE CAP (200J)SHOCKPROOF STEEL  
TOE CAP (200J)ANTIPERFORATION  
HIGH TENACITY  
TEXTILE SOLE (1100N)ANTIPERFORATION  
STEEL SOLE (1100N)WATER PENETRATION  
RESISTANCEENERGY ABSORPTION  
OF THE HEEL





### BOLT

Low cut safety shoes. Upper: polyester and KPU.

Lining: textile with microfiber anti-slip insert. Tongue: comfortable padding, with gusset. Toe cap: aluminium shockproof 200J.

Insole: ESD, ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile.

Sole: ETPU and rubber. Colour: black and orange.



EN ISO 20345 : 2022 + A1 : 2024 (S1 PS FO SR) /

EN IEC 61340-5-1 : 2024 (ESD)

10x1 36→47 600 g **SINGER**



### RACER

Metal free, low cut safety shoes. Upper: reinforced fabric (polyester).

Lining: textile. Tongue: comfortable padding, with gusset.

Toe cap: composite shockproof 200J.

Insole: ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile.

Sole: polyurethane double-density. Colour: blue, orange and black.



EN ISO 20345 : 2022 (S1 PS FO SR)

10x1 36→47 550 g **SINGER**





### ARMADA

Metal free, high cut safety shoes. Upper: reinforced fabric (polyester), TPU frame. Lining: textile. Tongue: comfortable padding, with gusset. Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU. Pierce resistant midsole: high tenacity textile. Sole: polyurethane double-density with foam insert. Colour: black, grey and red.



EN ISO 20345 : 2022 + A1 : 2024 (S3S FO SR)

10x1 36→47 660 g **SINGER**



### ARMADILLO

Metal free, low cut safety shoes. Upper: reinforced fabric (polyester), TPU frame. Lining: textile. Tongue: comfortable padding, with gusset. Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU. Pierce resistant midsole: high tenacity textile. Sole: polyurethane double-density with foam insert. Colour: black, grey and red.



EN ISO 20345 : 2022 (S3S FO SR)

10x1 36→47 600 g **SINGER**





### BARIO

High cut safety shoes. Upper: water repellent leather, nubuck finish.

Lining: textile with microfiber anti-slip insert.

Tongue: padding, with gusset. Toe cap: composite shockproof 200J.

Insole: ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile.

Sole: nitrile rubber, H.R.O. Colour: blue, grey and orange.



EN ISO 20345 : 2022 + A1 : 2024 (S3S FO SR HRO)



10x1



36→47



670 g

**SINGER**



### BARI

Low cut safety shoes. Upper: water repellent leather, nubuck finish.

Lining: textile with microfiber anti-slip insert.

Tongue: padding, with gusset. Toe cap: composite shockproof 200J.

Insole: ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile.

Sole: nitrile rubber, H.R.O. Colour: blue, grey and orange.



EN ISO 20345 : 2022 + A1 : 2024 (S3S FO SR HRO)



10x1



36→47



660 g

**SINGER**





### GENES

Metal free, low cut safety shoes.

Upper: split suede leather and ventilated polyester mesh. Lining: textile.

Tongue: E.F.P. Toe cap: composite shockproof 200J. Insole: EVA fabric,

perforated, antistatic. Pierce resistant midsole: high tenacity textile.

Sole: polyurethane double-density. Colour: black, grey and orange.



EN ISO 20345 : 2022 (S1 PL FO SR)

10x1 35→48 550 g **SINGER**



### AVILA

Low cut safety shoes. Upper: reinforced fabric (polyester).

Lining: textile with microfiber anti-slip insert.

Tongue: padding, with gusset. Toe cap: steel shockproof 200J.

Insole: EVA fabric, antistatic. Pierce resistant midsole: steel.

Sole: polyurethane double-density. Colour: blue, black and red.



EN ISO 20345 : 2022 + A1:2024 (S1 P SR FO) /

EN IEC 61340-5-1 : 2016 (ESD)

10x1 36→47 580 g **SINGER**



### RODI

Low cut safety shoes.

Upper: split suede leather and ventilated polyester mesh. Lining: textile.

Tongue: E.F.P. Toe cap: steel shockproof 200J. Insole: ventilated PU.

Pierce resistant midsole: steel. Sole: polyurethane double-density.

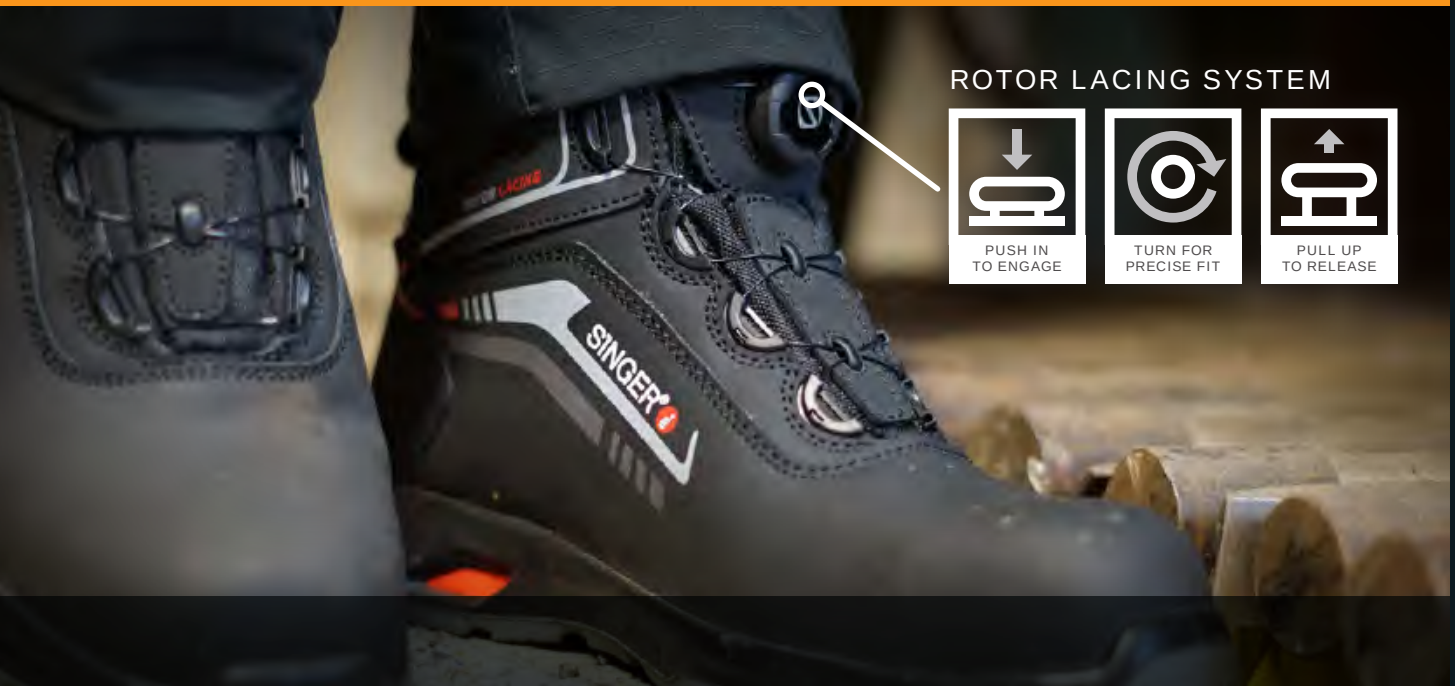
Shoes sold with an extra pair of grey laces. Colour: grey, black and red.



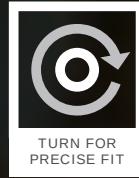
EN ISO 20345 : 2022 (S1 P FO SR)

10x1 37→47 610 g **SINGER**





## ROTOR LACING SYSTEM



## MONZA

High cut safety shoes. Upper: water repellent leather, nubuck finish.

Lining: textile. Tongue: comfortable padding, with gusset.

Toe cap: composite shockproof 200J.

Insole: ESD, ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile. Sole: polyurethane double-density with foam insert. Colour: black, grey and red.



EN ISO 20345 : 2022 (S3S FO SR) /

EN IEC 61340-5-1 : 2016 (ESD)

10x1 39→47 660 g **SINGER**



## SPA

Low cut safety shoes. Upper: water repellent leather, nubuck finish.

Lining: textile. Tongue: comfortable padding, with gusset.

Toe cap: composite shockproof 200J.

Insole: ESD, ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile. Sole: polyurethane double-density with foam insert. Colour: black, grey and red.



EN ISO 20345 : 2022 (S3S FO SR) /

EN IEC 61340-5-1 : 2016 (ESD)

10x1 39→47 600 g **SINGER**





### OBSID

Metal free, high cut safety shoes. Upper: water repellent full grain leather.  
Lining: textile with microfiber anti-slip insert.  
Tongue: padding, with gusset. Toe cap: composite shockproof 200J.  
Insole: ESD, ergonomic in preformed PU.  
Pierce resistant midsole: high tenacity textile.  
Sole: polyurethane double-density with foam insert. Colour: black.



EN ISO 20345 : 2022 + A1 : 2024 (S3S FO SR LG CI) /  
EN IEC 61340-5-1 : 2024 (ESD)

10x1 39→47 710 g **SINGER**



### ZINC

Metal free, low cut safety shoes. Upper: water repellent full grain leather.  
Lining: textile with microfiber anti-slip insert.  
Tongue: padding, with gusset. Toe cap: composite shockproof 200J.  
Insole: ESD, ergonomic in preformed PU.  
Pierce resistant midsole: high tenacity textile.  
Sole: polyurethane double-density with foam insert. Colour: black.



EN ISO 20345 : 2022 + A1 : 2024 (S3S FO SR LG CI) /  
EN IEC 61340-5-1 : 2024 (ESD)

10x1 39→47 670 g **SINGER**





## INDUSO

Metal free, high cut safety shoes. Upper: coated leather, nubuck finish.

Lining: textile with microfiber anti-slip insert.

Tongue: padding, with gusset. Toe cap: composite shockproof 200J.

Insole: EVA fabric, perforated, antistatic.

Pierce resistant midsole: high tenacity textile.

Sole: polyurethane double-density. Colour: black and red.



EN ISO 20345 : 2022 + A1:2024 (S3S SR FO) /

EN IEC 61340-5-1 : 2024 (ESD)

10x1 36→47 620 g **SINGER**



## INDUSA

Metal free, low cut safety shoes. Upper: coated leather, nubuck finish.

Lining: textile with microfiber anti-slip insert.

Tongue: padding, with gusset. Toe cap: composite shockproof 200J.

Insole: EVA fabric, perforated, antistatic.

Pierce resistant midsole: high tenacity textile.

Sole: polyurethane double-density. Colour: black and red.



EN ISO 20345 : 2022 + A1:2024 (S3S SR FO) /

EN IEC 61340-5-1 : 2024 (ESD)

10x1 36→47 600 g **SINGER**





### AXION

High cut safety shoes, «Rangers» type.

Upper: coated leather, nubuck finish. Lining: textile

with microfiber anti-slip insert. Tongue: padding, with gusset.

Toe cap: steel shockproof 200J. Insole: ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile.

Sole: glued/stitched rubber. Colour: black.



EN ISO 20345 : 2022 + A1:2024 (S3S FO SR HRO AN)



10x1



39→47



850 g

**SINGER**



### YMOLA

High cut safety shoes. Upper: coated leather, nubuck finish.

Lining: textile with microfiber anti-slip insert.

Tongue: padding, with gusset. Toe cap: steel shockproof 200J.

Insole: ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile.

Sole: glued/stitched rubber. Colour: black.



EN ISO 20345 : 2022 + A1:2024 (S3S FO SR HRO)



10x1



39→47



790 g

**SINGER**





## MILAN

High cut safety shoes. Upper: water repellent leather, nubuck finish.

Lining: textile. Tongue: E.F.P. with gusset.

Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU. Pierce resistant midsole: high tenacity textile.

Sole: nitrile rubber, H.R.O. Colour: black, grey and red.



EN ISO 20345 : 2022 (S3L HRO FO SR)

10x1 38→48 730 g **SINGER**



## ETNA

Metal free, high cut safety shoes.

Upper: water repellent leather, nubuck finish. Lining: textile.

Tongue: under self-grip flap with gusset.

Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU. Pierce resistant midsole: high tenacity textile.

Sole: nitrile rubber, H.R.O. Colour: black and red.



EN ISO 20345 : 2022 (S3L HRO FO SR)

10x1 35→48 700 g **SINGER**



## ST280

High cut safety shoes. Upper: pigmented leather. Lining: textile.

Tongue: under self-grip flap with gusset. Toe cap: steel shockproof 200J.

Insole: EVA fabric, perforated, antistatic. Pierce resistant midsole: steel.

Sole: polyurethane double-density. Colour: black and grey.



EN ISO 20345 : 2022 (S1 P FO SR)

10x1 39→47 640 g **SINGER**





### ABISS

High cut safety shoes. Upper: water repellent full grain leather. Lining: waterproof membrane and textile.

Tongue: comfortable padding, with gusset. Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile.

Sole: polyurethane double-density. Colour: brown and black.



EN ISO 20345 : 2022 + A1 : 2024 (S7S FO SR LG SC)



10x1



39→47



850 g

**SINGER**



### NIX

High cut safety shoes. Upper: water repellent full grain leather. Lining: textile with microfiber anti-slip insert.

Tongue: comfortable padding, with gusset. Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile.

Sole: polyurethane double-density. Colour: brown and black.



EN ISO 20345 : 2022 + A1 : 2024 (S3S FO SR LG SC)



10x1



39→47



780 g

**SINGER**



### TRANIX

Low cut safety shoes. Upper: water repellent full grain leather.

Lining: textile with microfiber anti-slip insert.

Tongue: comfortable padding, with gusset. Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile.

Sole: polyurethane double-density. Colour: brown and black.



EN ISO 20345 : 2022 + A1 : 2024 (S3S FO SR LG SC)



10x1



39→47



720 g

**SINGER**









### TORK

Metal free, high cut safety shoes. Upper: water repellent leather, nubuck finish. Lining: textile with microfiber anti-slip insert. Tongue: comfortable padding, with gusset. Toe cap: composite shockproof 200J. Insole: ESD, ergonomic in preformed PU. Pierce resistant midsole: high tenacity textile. Sole: polyurethane double-density with foam insert. Colour: grey, blue and black.



EN ISO 20345: 2022 + A1: 2024 (S3S FO SR LG CI) /  
EN IEC 61340-5-1 : 2024 (ESD)

10x1 39→47 680 g **SINGER**



### IRON

Metal free, low cut safety shoes. Upper: water repellent leather, nubuck finish. Lining: textile with microfiber anti-slip insert. Tongue: comfortable padding, with gusset. Toe cap: composite shockproof 200J. Insole: ESD, ergonomic in preformed PU. Pierce resistant midsole: high tenacity textile. Sole: polyurethane double-density with foam insert. Colour: grey, blue and black.



EN ISO 20345: 2022 + A1: 2024 (S3S FO SR LG CI) /  
EN IEC 61340-5-1 : 2024 (ESD)

10x1 39→47 640 g **SINGER**





### LAURO

High cut safety shoes. Upper: water repellent leather.

Lining: textile. Tongue: comfortable padding, with gusset.

Toe cap: composite shockproof 200J.

Insole: EVA fabric, perforated, antistatic. Pierce resistant midsole: high tenacity textile.

Sole: polyurethane double-density. Colour: black, grey and red.



EN ISO 20345 : 2022 (S3L FO SR)

10x1 39→47 680 g **SINGER**



### TRIESTE

High cut safety shoes. Upper: water repellent leather.

Lining: textile. Tongue: comfortable padding, with gusset.

Toe cap: steel shockproof 200J.

Insole: EVA fabric, perforated, antistatic. Pierce resistant midsole: steel.

Sole: polyurethane double-density. Colour: black and red.



EN ISO 20345 : 2022 (S3 FO SR)

10x1 38→48 680 g **SINGER**





### TARGO

High cut safety shoes. Upper: microfibre. Lining: non-woven textile with microfiber anti-slip insert. Tongue: microfibre, elastic fastening. Toe cap: steel shockproof 200J. Insole: EVA fabric, perforated, antistatic. Sole: polyurethane double-density. Colour: white.



EN ISO 20345 : 2022 + A1 : 2024 (S2 FO SR)

10x1

36→47

550 g

**SINGER**





## VIGGO

Low cut safety shoes. Upper: microfibre. Lining: non-woven textile with microfiber anti-slip insert. Tongue: microfibre, elastic fastening. Toe cap: steel shockproof 200J. Insole: EVA fabric, perforated, antistatic. Sole: polyurethane double-density. Colour: white.



EN ISO 20345 : 2022 + A1 : 2024 (S2 FO SR)

10x1 36→47 480 g **SINGER**



## VIGGA

Low cut safety shoes. Upper: microfibre. Lining: non-woven textile with microfiber anti-slip insert. Tongue: microfibre, elastic fastening. Toe cap: steel shockproof 200J. Insole: EVA fabric, perforated, antistatic. Sole: polyurethane double-density. Colour: black.



EN ISO 20345 : 2022 + A1 : 2024 (S2 FO SR)

10x1 36→47 480 g **SINGER**



## SLIPA

Low cut safety shoes. Upper: microfibre. Lining: textile. Ankle: removable elastic support. Toe cap: steel shockproof 200J. Insole: EVA fabric, perforated, antistatic. Sole: polyurethane double-density. Colour: black.



EN ISO 20345 : 2022 + A1 : 2024 (SB FO SR) /  
EN IEC 61340-5-1 : 2016 (ESD)

10x1 36→47 480 g **SINGER**





[ WATER  
REPELLENT ]

### GR350F

High cut safety shoes. Upper: water repellent pigmented leather.

Lining: polyester fur with microfiber anti-slip insert.

Tongue: padding, with gusset. Toe cap: steel shockproof 200J.

Insole: aluminized. Pierce resistant midsole: steel.

Sole: polyurethane double-density. Colour: black and blue.



EN ISO 20345 : 2022 + A1 : 2024 (S3 FO CI SR)

10x1

39→47

700 g

SINGER



[ WATER  
REPELLENT ]

### GR350

High cut safety shoes. Upper: water repellent pigmented leather.

Lining: textile. Tongue: comfortable padding, with gusset.

Toe cap: steel shockproof 200J.

Insole: EVA fabric, perforated, antistatic. Pierce resistant midsole: steel.

Sole: polyurethane double-density. Colour: black and grey.



EN ISO 20345 : 2022 + A1 : 2024 (S3 FO SR)

10x1

35→48

620 g

SINGER



### GR100

High cut safety shoes. Upper: pigmented leather.

Lining: textile. Tongue: comfortable padding, with gusset.

Toe cap: steel shockproof 200J. Insole: EVA fabric, perforated, antistatic.

Pierce resistant midsole: steel. Sole: polyurethane. Colour: black.



EN ISO 20345: 2022 + A1: 2024 (S1 P SR FO)

10x1

36→48

600 g

SINGER





[ WATER  
REPELLENT ]

### GR250

Low cut safety shoes. Upper: water repellent pigmented leather.

Lining: textile. Tongue: comfortable padding, with gusset.

Toe cap: steel shockproof 200J.

Insole: EVA fabric, perforated, antistatic. Pierce resistant midsole: steel.

Sole: polyurethane double-density. Colour: black and grey.



EN ISO 20345: 2022 + A1: 2024 (S3 SR FO)



10x1



35→48



590 g

**SINGER**



### GR200

Low cut safety shoes. Upper: pigmented leather.

Lining: textile. Tongue: comfortable padding, with gusset.

Toe cap: steel shockproof 200J. Insole: EVA fabric, perforated, antistatic.

Pierce resistant midsole: steel. Sole: polyurethane. Colour: black.



EN ISO 20345: 2022 + A1: 2024 (S1 P SR FO)



10x1



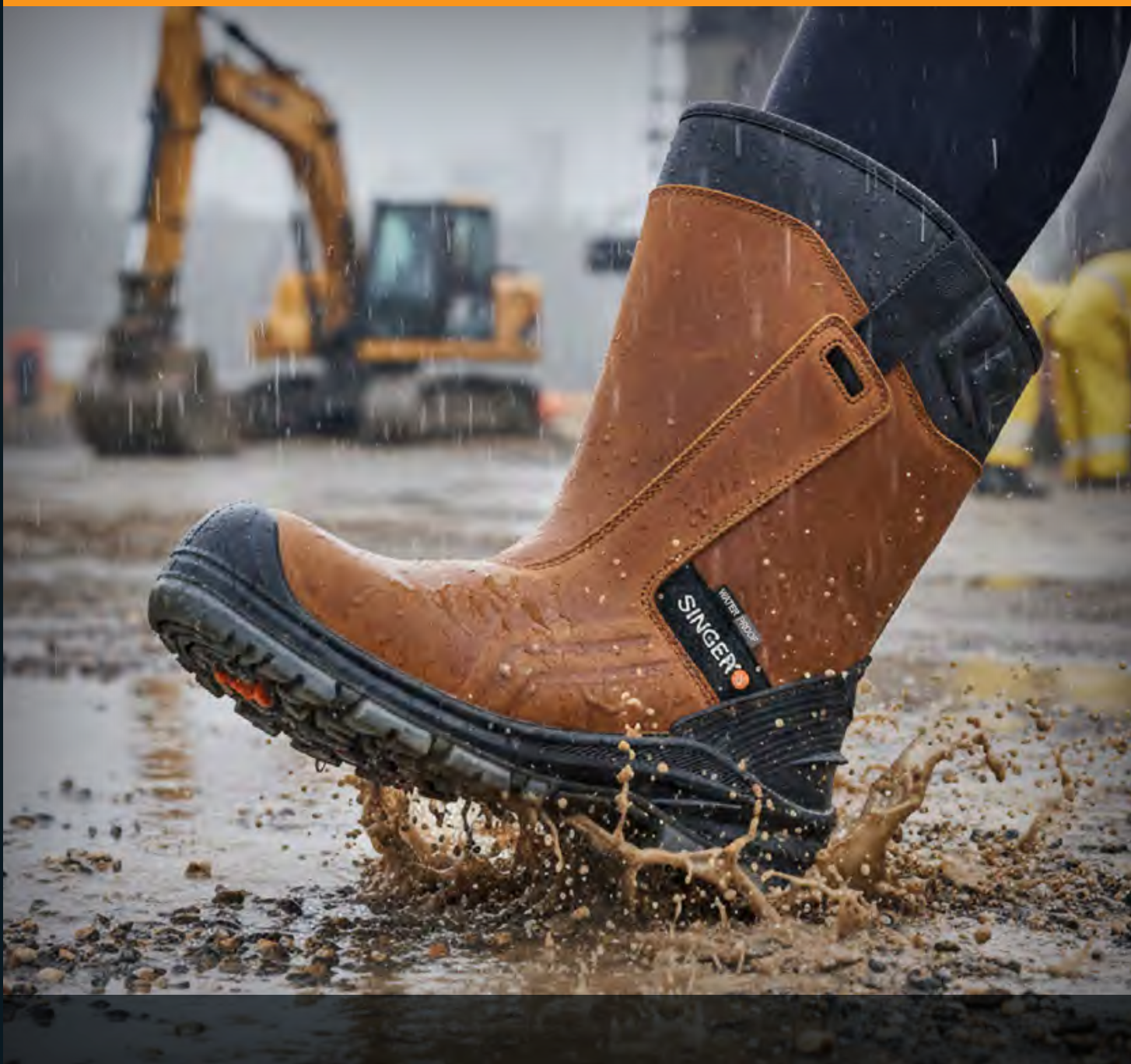
37→47



580 g

**SINGER**





### GAIA

Metal free, safety boots. Upper: water repellent full grain leather.

Lining: waterproof membrane and textile. Toe cap: composite shockproof 200J.

Insole: ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile.

Sole: polyurethane double-density. Colour: brown and black.



EN ISO 20345 : 2022 + A1 : 2024 (S7S FO SR LG SC)







## GR800

Safety boots. Upper: water repellent smooth leather. Without lining.  
 Toe cap: steel shockproof 200J. Insole: ergonomic in preformed PU.  
 Pierce resistant midsole: high tenacity textile.  
 Sole: glued/stitched rubber. Colour: black.



EN ISO 20345 : 2022 + A1 : 2024 (S3S HI FO SR HRO)

10x1 39→47 810 g **SINGER**



## GR400F

Safety boots. Upper: water repellent leather.  
 Lining: polyester fur. Toe cap: steel shockproof 200J.  
 Insole: EVA fabric, antistatic. Pierce resistant midsole: steel.  
 Sole: polyurethane double-density. Colour: brown, black and grey.



EN ISO 20345 : 2022 (S3 FO SR)

10x1 39→47 830 g **SINGER**



## GR400M

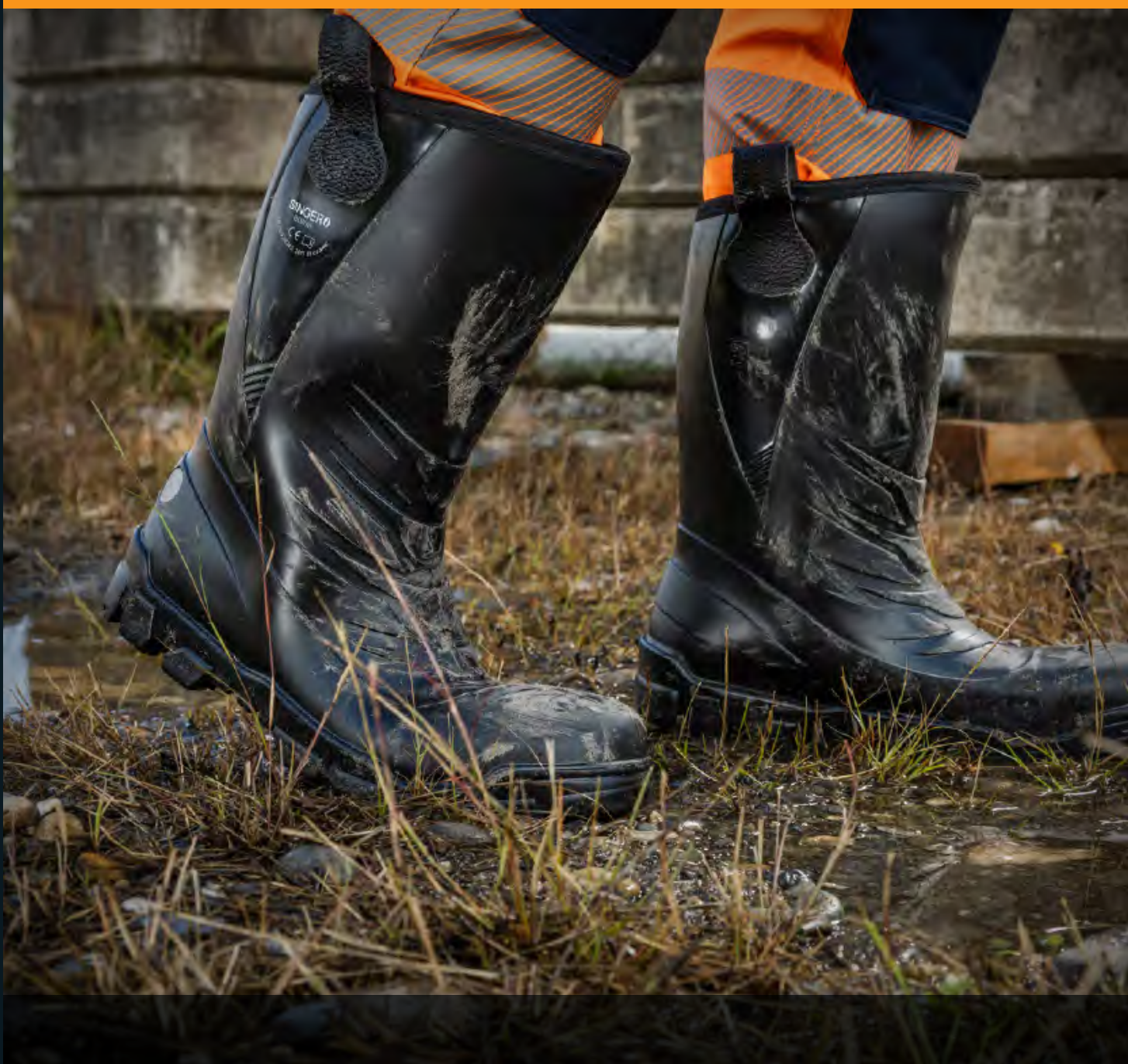
Safety boots. Upper: water repellent leather.  
 Lining: polyester mesh. Toe cap: steel shockproof 200J.  
 Insole: EVA fabric, antistatic. Pierce resistant midsole: steel.  
 Sole: polyurethane double-density. Colour: brown, black and grey.



EN ISO 20345 : 2022 (S3 FO SR)

10x1 39→47 830 g **SINGER**





### BORNE

Safety boots. Upper: PVC and nitrile. Lining: polyester fur.

Toe cap: composite shockproof 200J. Pierce resistant midsole: steel.

Sole: PVC and nitrile. Colour: black.



EN ISO 20345 : 2022 (S5 FO CI SR)

6x1

36→47

1100 g

**SINGER**





### BOTSEKU

Safety boots. Upper: PVC and nitrile. Lining: viscose.

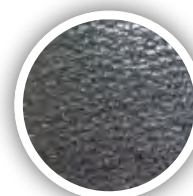
Toe cap: composite shockproof 200J. Pierce resistant midsole: steel.

Sole: PVC and nitrile. Colour: green and black.



EN ISO 20345 : 2022 (S5 FO SR)

6x1 37→47 1100 g **SINGER**



### BOTVER

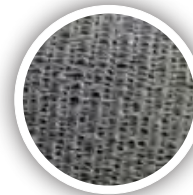
Metal free, boots. Upper: PVC and nitrile. Lining: viscose.

Sole: PVC and nitrile. Colour: green and black.



EN ISO 20347 : 2022 (OB FO SR)

6x1 37→47 810 g **SINGER**



### BOTBLAN

Metal free, boots. Upper: PVC and nitrile. Lining: viscose.

Sole: PVC and nitrile. Colour: white and grey.



EN ISO 20347 : 2022 (OB FO SR)

6x1 37→47 810 g **SINGER**





## COME

Thigh boot: resistant polyester PVC (700 gsm). Welding on safety boots.  
Large adjustable straps to fix on belt. Height: 90 cm.  
Black front wear resistant reinforcement. Lining: viscose.  
Toe cap: steel shockproof 200J. Pierce resistant midsole: steel.



EN ISO 20345 : 2011 (S5 SRC), EN 343 (4.1.X)



## WIKI

Chest waders: resistant polyester PVC (700 gsm). Welding on safety boots.  
Adjustable elastic drawcord at waist. Height: 143 cm.  
Feature elasticated braces with fix lock buckles, an internal chest pocket.  
Black front wear resistant reinforcement.  
Reinforced with double layer on top edge. Lining: viscose.  
Toe cap: steel shockproof 200J. Pierce resistant midsole: steel.



EN ISO 20345 : 2011 (S5 SRC), EN 343 (4.1.X)







## CLUSE

Warm winter socks. Material: 58% acrylic, 25% wool, 17% polyamide.  
Reinforced on high heel. Tightened on the foot. Good support of the metatarsus. Sold by pair.



SINGER



## CAGNES

Summer socks. Material: 67% cotton, 15% polyester, 18% polyamide.  
Tightened on the foot. Good support of the metatarsus. Sold by pair.



SINGER



## ACCBOTACRY

High socks for boots. Material: 100% polyester. Sold by pair.



SINGER



## ACCCHAUS

Socks for boot. Material: 50% polyester and 50% cotton. Sold by pair.



SINGER



## ACCLAC

Pair of laces. Textile material. Length: 130 cm. Colour: grey/black. Polybag of 10 pairs.



SINGER





### ACCSEMELLE

Antistatic insoles. Preformed PU. Blue insert: PU gel. Colour: red, black and blue.



**SINGER**



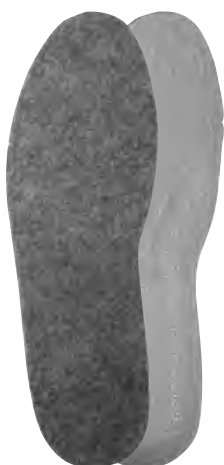
**COVERING 4**  
SIZES AT ONCE

### SOLEFIT

Antistatic insoles. Red layer: antistatic mesh. Yellow layer: antistatic PU. Blue inserts: PU gel. Colour: red, yellow and blue.



**SINGER**



SUITABLE FOR LOW  
AND HIGH TEMPERATURES  
(FROM -20°C TO +70°C)

### ST2024

Insulating insoles. First layer: non-woven polyester, 230 gsm. Second layer: latex foam, 250 g/L. Third layer: non-woven polyester, 650 gsm. Fourth layer: aluminum film, 17 g/m². Colour: grey.



**SINGER**



### ST2022

Deodorant insoles. First layer: perforated non-woven fabric. Second layer: with active carbon. Third layer: perforated latex. Colour: green.



**SINGER**



**AUUCHA**

Polyethylene shoe cover. Elasticated ankle.  
Colour: blue. Polybag of 1000 pieces.



2x1



One size only

**SINGER** **AUUCHA2**

Non woven polypropylene shoe cover. Elasticated ankle.  
Reinforced polyethylene sole. Colour: white and blue. Polybag of 50 pieces.



10x1



One size only

**SINGER** **AUUBOTTE**

Polyethylene bootcover.  
Elasticated ankle. Colour: clear. Polybag of 500 pieces.



x1



One size only

**SINGER** **AUUBOTTE2**

Polypropylene bootcover. Elastic ankle.  
Anti-slip PVC sole. Colour: white and black. Polybag of 500 pieces.



x1



One size only

**SINGER** 

Standards presented in this document are not exhaustive and may change at any time. They are given for information purpose and cannot engage our responsibility in any case. If necessary, it is up to the reader of this catalogue to obtain useful and official documents in order to check the exact content of each standard.

## STANDARDS 2022

|              |                                                                                                    |
|--------------|----------------------------------------------------------------------------------------------------|
| EN ISO 20344 | Personal protective equipment:<br>Test methods for footwear.                                       |
| EN ISO 20345 | Safety footwear:<br>Toe protection against shocks<br>(200 J) and the risks of flattening (15 kN).  |
| EN ISO 20346 | Protective shoes:<br>Toe protection against shocks<br>(100 J) and the risks of flattening (10 kN). |
| EN ISO 20347 | Occupational footwear:<br>No specification about toe protection.                                   |

## SHOES CLASS

|            |               |                                                                                                             |
|------------|---------------|-------------------------------------------------------------------------------------------------------------|
| <b>OB</b>  | Class I or II | Basic properties (EN ISO 20347)                                                                             |
| <b>SB</b>  | Class I or II | Basic properties (EN ISO 20345)                                                                             |
| <b>S1</b>  | Class I       | <b>SB</b> + Closed backpart + Antistatic shoes ( <b>A</b> )<br>+ Energy absorption of the heel ( <b>E</b> ) |
| <b>S2</b>  | Class I       | <b>S1</b> + Water penetration and absorption resistance<br>of the upper ( <b>WPA</b> )                      |
| <b>S3</b>  | Class I       | <b>S2</b> + Metal pierce resistant midsole ( <b>P</b> )<br>+ Studded sole                                   |
| <b>S3L</b> | Class I       | <b>S2</b> + Metal free, pierce resistant midsole ( <b>PL</b> )<br>+ Studded sole                            |
| <b>S3S</b> | Class I       | <b>S2</b> + Metal free, pierce resistant midsole ( <b>PS</b> )<br>+ Studded sole                            |
| <b>S6</b>  | Class I       | <b>S2</b> + Water resistance<br>of the whole footwear ( <b>WR</b> )                                         |
| <b>S7</b>  | Class I       | <b>S3</b> + Water resistance<br>of the whole footwear ( <b>WR</b> )                                         |
| <b>S7L</b> | Class I       | <b>S3L</b> + Water resistance<br>of the whole footwear ( <b>WR</b> )                                        |
| <b>S7S</b> | Class I       | <b>S3S</b> + Water resistance<br>of the whole footwear ( <b>WR</b> )                                        |
| <b>S4</b>  | Class II      | <b>SB</b> + Closed backpart + Antistatic shoes ( <b>A</b> )<br>+ Energy absorption of the heel ( <b>E</b> ) |
| <b>S5</b>  | Class II      | <b>S4</b> + Metal pierce resistant midsole ( <b>P</b> )<br>+ Studded sole                                   |
| <b>S5L</b> | Class II      | <b>S4</b> + Metal free, pierce resistant midsole ( <b>PL</b> )<br>+ Studded sole                            |
| <b>S5S</b> | Class II      | <b>S4</b> + Metal free, pierce resistant midsole ( <b>PS</b> )<br>+ Studded sole                            |

## OPTIONAL REQUIREMENTS

|            |                                                              |
|------------|--------------------------------------------------------------|
| <b>E</b>   | Energy absorption of the heel                                |
| <b>P</b>   | Metal pierce resistant midsole                               |
| <b>PL</b>  | Metal free, pierce resistant midsole (tested with broad tip) |
| <b>PS</b>  | Metal free, pierce resistant midsole (tested with fine tip)  |
| <b>CR</b>  | Cut resistant upper                                          |
| <b>M</b>   | Shockproof metatarsal protection                             |
| <b>C</b>   | Conductive shoes                                             |
| <b>A</b>   | Antistatic shoes                                             |
| <b>HI</b>  | Insulation sole against contact heat                         |
| <b>CI</b>  | Insulation sole against cold                                 |
| <b>HRO</b> | Contact heat resistant outsole compound                      |
| <b>WPA</b> | Water penetration and absorption resistance of the upper     |
| <b>WR</b>  | Water resistance of the whole footwear                       |
| <b>AN</b>  | Malleolus protection                                         |
| <b>SC</b>  | Stone guard resistance to abrasion                           |
| <b>SR</b>  | Slip resistance (ceramic surface + glycerin)                 |
| <b>FO</b>  | Resistance to fuel oil                                       |
| <b>LG</b>  | Grip system for ladder                                       |

## USED MATERIAL CLASS

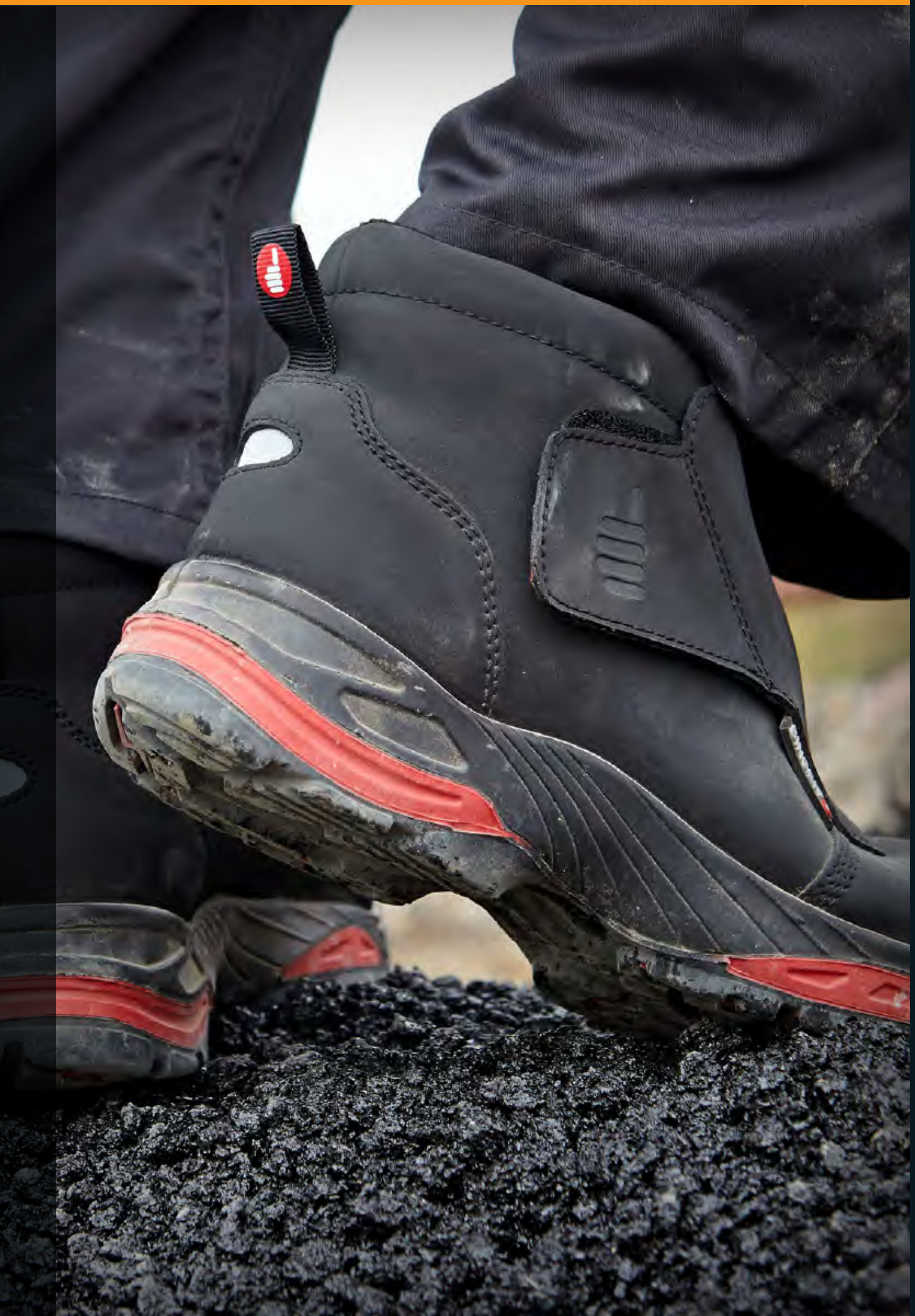
|          |                                                                           |
|----------|---------------------------------------------------------------------------|
| Class I  | All leather and other materials<br>(except for all rubber or all polymer) |
| Class II | All rubber (fully vulcanised)<br>or all polymer (fully moulded).          |

## EN IEC 61340-5-1 - ELECTROSTATIC (ESD)

Shoes that cover this standard are «dissipative».  
This standard defines the shoes that protect electronic equipment  
against an electrostatic discharge.  
Electrical resistance:  $< 1 \Omega \times 10^8$ .

Antistatic shoes are not necessarily ESD.













# INDEX BY REFERENCE

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# GENERAL TERMS AND CONDITIONS OF SALE

## 1. – Purpose and scope

By placing an order with Singer Frères (We or Us), You (the customer) are unreservedly accepting and agreeing to comply with these general terms and conditions of sale, which shall prevail over any other document issued by You – including any general terms and conditions of purchase –, irrespective of when they are brought to our attention, unless We expressly agree otherwise. These general terms and conditions apply to all products sold by Singer Frères, unless You and We specifically agree otherwise in writing before an order is placed. Consequently, by placing an order by any means whatsoever, You are unreservedly agreeing to comply with these general terms and conditions of sale, unless any special terms and conditions are agreed by Us in writing. Any document other than these general terms and conditions of sale (including catalogues, brochures, advertisements and notices) are non-binding and are provided for information only; solely by way of a guide.

## 2. – Contract formation / Orders

2.1 – Our prices do not constitute offers and orders are only valid once they have been accepted by Us. 2.2 – ‘Order’ means any order for a Singer Frères product or products charged at our rates, and which We accept. 2.3 – All orders shall be firm and final unless We expressly agree otherwise in writing. 2.4 – Any request to change the contents or volume of an order must be made in writing (including fax or e-mail) and must be sent to Us within EIGHT (8) days of receipt of the initial order; otherwise the request will not be considered. We reserve the right to vary the number of products delivered compared to the number of products ordered by up to FIVE PER CENT (5%). If You do not accept the change, the order will be fulfilled on the terms originally accepted. 2.5 – We reserve the right to interrupt or stop marketing a product listed in our catalogues and brochures and to make any technical upgrades to our products which We consider appropriate, without being required to modify any products already delivered or for which an order is pending. Sketches, photos, descriptions and information included in our sales documentation are not contractually binding and may be changed. We reserve the right to change the products listed in our brochures and catalogues without notice.

## 3. – Delivery / Transport

3.1 – Delivery times are given for information only, by way of a guide, and depend notably on the availability of our carriers and the order in which orders arrive. Should one or more products ordered by You be out of stock, We may deliver only the available products. Unless expressly agreed otherwise, no compensation will be payable and an order may not be cancelled due to a delivery delay, particularly in the following circumstances: 3.1.1 – If You breach the applicable payment terms. 3.1.2 – In the event of force majeure or an event which delays or suspends a product delivery. 3.2 – Products and supplies, including those that include free delivery and even if We are liable for the transportation thereof, shall be transported at your exclusive risk, and any damage or loss must be reported to, and legal action must be taken against, the carriers, which will be solely liable. Goods are therefore deemed to be delivered ex works at our stores or warehouses. 3.3 – Each order must be for at least ONE HUNDRED AND FIFTY (150) euros excluding VAT. 3.4 – Free delivery covers SEVEN HUNDRED (700) euros (excluding VAT) for deliveries in mainland France. A fixed delivery charge of FIFTEEN (15) euros (excluding VAT) will be charged for orders for less than this amount.

## 4. – Acceptance

4.1 – Without prejudice to the claims You must make directly against the carrier within the timeframe imposed by law, complaints concerning apparent defects or non-conformities affecting the products delivered compared to those ordered must be made by registered letter (with acknowledgement of receipt) within EIGHT (8) days of delivery. Complaints made after this time limit will be out of time and will be rejected. 4.2 – You must produce proof of the defects or issues observed. 4.3 – You must allow Us to record these defects or issues and to resolve them if possible. 4.4 – You must refrain from taking any action to resolve them yourself and from appointing a third party to do so. Otherwise, no further complaints may be made against Us.

## 5. – Returns / Procedure

5.1 – Returns must be formally agreed in advance between You and Us. 5.2 – Any product that is returned without such agreement will be available to You for THREE (3) months on our premises and no credit note will be issued in respect of such product. Once this timeframe has expired, any product that has not been collected will be deemed abandoned by You and We may freely dispose thereof at our discretion, without being required to pay any form of compensation. 5.3 – You are liable for the expense and risk of returning products, except in the event of a delivery issue attributable to Us. 5.4 – Any product that is returned after the strict timeframe of EIGHT (8) days from the delivery date will be rejected.

## 6. – Returns / Consequences

6.1 – We will issue a credit note to You for any product return that is accepted by Us, once We have checked the quality and quantity of the product(s) returned. 6.2 – You are entitled to a refund or to the free replacement of any non-conforming product or product containing an apparent defect which We duly acknowledge in accordance with Clause 4, to the exclusion of any other compensation.

## 7. – Warranties / Scope

7.1 – Our products are covered by a warranty, as required by law and within the limit of the manufacturer's warranty, for any material or manufacturing defect for FIFTEEN (15) days from the delivery date. 7.2 – Initially, You must return any product for which a claim is made under the warranty to Us. 7.3 – Under this warranty, We undertake to replace or repair any product or component which We acknowledge to be faulty. We will not be liable under any circumstances for any indirect or consequential damage or loss, any damage or loss due to a delivery delay, any missing or damaged product, any damage or loss suffered on account of a product not meeting your requirements, or any damage or loss beyond our control. If We are nevertheless found liable for the non-fulfilment or inadequate fulfilment of a sale, it is expressly agreed that our liability will be limited to the price of the product that caused the damage or loss. 7.4 – Warranty work will not extend the warranty period or constitute grounds on which to withhold payment of the corresponding invoice or any other invoice pending, which must be paid on the specified dates. 7.5 – Notices for the products We sell are provided in French or other languages, depending on the versions issued by the manufacturer, and no claim made by You against Us on this basis will be accepted.

## 8. – Warranty / Exclusions

8.1 – The warranty does not cover defects caused by: ordinary wear and tear / inadequate maintenance or inappropriate use / a product alteration not anticipated or specified by Us or incorrect assembly / an accident of external origin or a defect caused by force majeure / inappropriate storage by You. 8.2 – Similarly, it is expressly agreed that the warranty provided under Clause 7 does not cover apparent defects. You must comply with Clause 4 in relation to any apparent defect. 8.3 – We do not offer the warranty introduced under the French Act of 19 May 1998 for faulty products. You therefore agree not to make any liability claim against Us on this basis, either directly or by making a warranty claim.

## 9. – Prices / Payment terms / Penalties

9.1 – Our prices are those applicable on the order date and exclude VAT. Our special terms and conditions stipulate our prices and whether they are fixed or liable to be revised. 9.2 – Invoices must be paid to our registered office: 9.2.1 – Within EIGHT (8) days of the invoice date, less a discount of 0.5% where applicable, by cheque or bank transfer. 9.2.2 – Within a timeframe agreed between You and Us, according to Article L. 441-6 of the French Commercial Code and the LME Act of 4 August 2008 for amounts due by the end of the month that falls FORTY-FIVE (45) days after the invoice date or within SIXTY (60) days of the invoice date: 9.2.2.1 – In the form of an accepted bill issued by Us, within EIGHT (8) days of the date thereof, without any discount. 9.2.2.2 – In the form of a promissory note issued by You within EIGHT (8) days of the invoice date, without any discount. 9.2.2.3 – By cheque or bank transfer. 9.3 – If any amount is not paid in full on the due date, all other amounts shall fall due immediately, even if a bill has been issued for any such amount. If payment is made in the form of a commercial paper and if the paper is not returned, it will be deemed to have been declined and will constitute a payment default. 9.4 – Furthermore, pursuant to Article L. 441 of the French Commercial Code, You will be liable for the following in connection with any amount (including VAT) that is not paid on the due date: 9.4.1 – A penalty charged at three times the statutory interest rate on the full amount outstanding. 9.4.2 – A fixed debt collection charge of FORTY (40) euros per invoice, notwithstanding any additional compensation. Penalties and fixed charges shall be due automatically, without the need to issue a reminder. 9.5 – If your financial position deteriorates, We reserve the right, even after dispatching part of an order, to ask You to produce guarantees that are deemed suitable to fulfil your existing or future commitments. If You refuse to do so, We reserve the right to cancel the whole or part of any order or contract in progress. 9.6 – You are liable for the foreign exchange risk. The sums owed by You must not be set off by any means against any sums to which You claim to be entitled.

## 10. – Force majeure

Force majeure and fortuitous events are deemed to include events which are beyond the parties' control, which neither party could reasonably be expected to foresee, which neither party could have avoided or overcome and which renders performance of their obligations impossible. The following in particular shall be deemed force majeure or fortuitous events which will release Us from our obligation to deliver within the initial timeframes: lock-outs, strikes by some or all of our staff, suppliers or carriers, fire, natural disasters, war, production stoppages, the impossibility to procure supplies of raw materials, epidemics, weight limits during thaw conditions, road blocks, strikes, power outages and supply shortages, on the understanding that this list is not exhaustive. In such circumstances, We will notify You by any written means, notably by fax or e-mail, within SEVENTY-TWO (72) hours of the date of occurrence of the relevant event and this contract will be automatically suspended without compensation on the date of occurrence of the event. Should an event persist for more than THIRTY (30) days from the date it occurs, the sales contract between You and Us may be terminated by the first party to act, without either party being entitled to claim any damages. Termination shall take effect on the date of the first attempted delivery of the registered letter (with acknowledgement of receipt) terminating the sales contract.

## 11. – Automatic rescission

The sale will be rescinded if You breach any of your obligations, without prejudice to any damages, surcharges and penalties which We might claim, if formal notice to perform remains without effect for FORTY-EIGHT (48) hours after sending.

## 12. – Dispute resolution / Applicable law

12.1 – The Commercial Court of Dunkerque will have exclusive jurisdiction to hear and decide any dispute that arises in connection with the performance and/or interpretation of these general terms and conditions and which cannot be amicably resolved, even if any of your letters, invoices or other documents state otherwise and even if a third party is joined to the proceedings or there is more than one defendant. Simply by placing an order or accepting an order confirmation, You are deemed to have accepted these terms and conditions. 12.2 – Any matter concerning these general terms and conditions of sale and the sales they govern which is not addressed herein shall be governed by French law; to the exclusion of any other law; and by the Vienna Convention on Contracts for the International Sale of Goods. 12.3 – No tolerance by Us in relation to these terms and conditions – regardless of the frequency or duration thereof – should ever be construed as an amendment or deletion of these terms and conditions or as generating any right of any kind. Should any clause of these general terms and conditions be null and void, this shall not affect the other general terms and conditions.

## 13. – Retention of title

13.1 – Pursuant to the French Act of 12 May 1980 and Article L. 624-16 of the French Commercial Code, the seller shall retain ownership of the products sold until such time as the price thereof (principal and ancillary charges) has been paid in full. Any clause to the contrary, particularly a clause included in the general terms and conditions of purchase, shall be deemed never to have been written. It is expressly agreed that We may enforce our rights under this retention of title clause in relation to any amount owed to Us, in respect of all of the products in your possession, which will contractually be considered as unpaid, and We may therefore retrieve those products or claim them as damages for the invoices still owing to Us, without prejudice to our right to terminate sales in progress. 13.2 – We may reclaim any products that are not paid for in full. Delivery of a document creating an obligation to pay, such as a bill of exchange or promissory note, shall not be deemed to constitute payment. These provisions do not preclude the transfer to You, upon delivery (ex works at our stores or warehouses) of the risks inherent in the products sold and any damage or loss caused by our products. 13.3 – You may resell or alter the products We deliver to You for business purposes. Should any products be sold to a third party in good faith, the right of recovery shall apply to the price received by You.

## 14. - Unique identifier

«The unique identifier FR002232\_05SSMW attesting the registration to the register of producers in the EEE sector, pursuant to article L.541-10-13 of the Environmental Code, has been assigned by ADEME to the company Singer Frères (Siret Code 383 733 623 000 29). This identifier certifies its conformity with regard to its obligation to register in the register of producers of Electrical and Electronic Equipment and the realization of its declarations of placing on the market with ECOSYSTEM». «The unique identifier FR212689\_01AZOQ attesting to the registration in the register of producers of the household packaging sector, in application of the Article L.541-10-13 from the Environmental Code has been attributed by ADEME to Singer Frères (Code Siret 383 733 623 000 29). This identifier certifies its compliance with its obligation to register in the register of household packaging producers and the performance of its marketing declarations to CITEO».

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