



SINGER[®] 
safety

Helmet:
FORCEW, page 46
Goggle:
EVAGUARD, page 32
Protective visor:
ACCGUARD, page 32





High visibility
rainwear:
VILO, page 209
Gloves:
NYMFIT02, page 86
Fur lined PVC boots:
BJORN, page 158





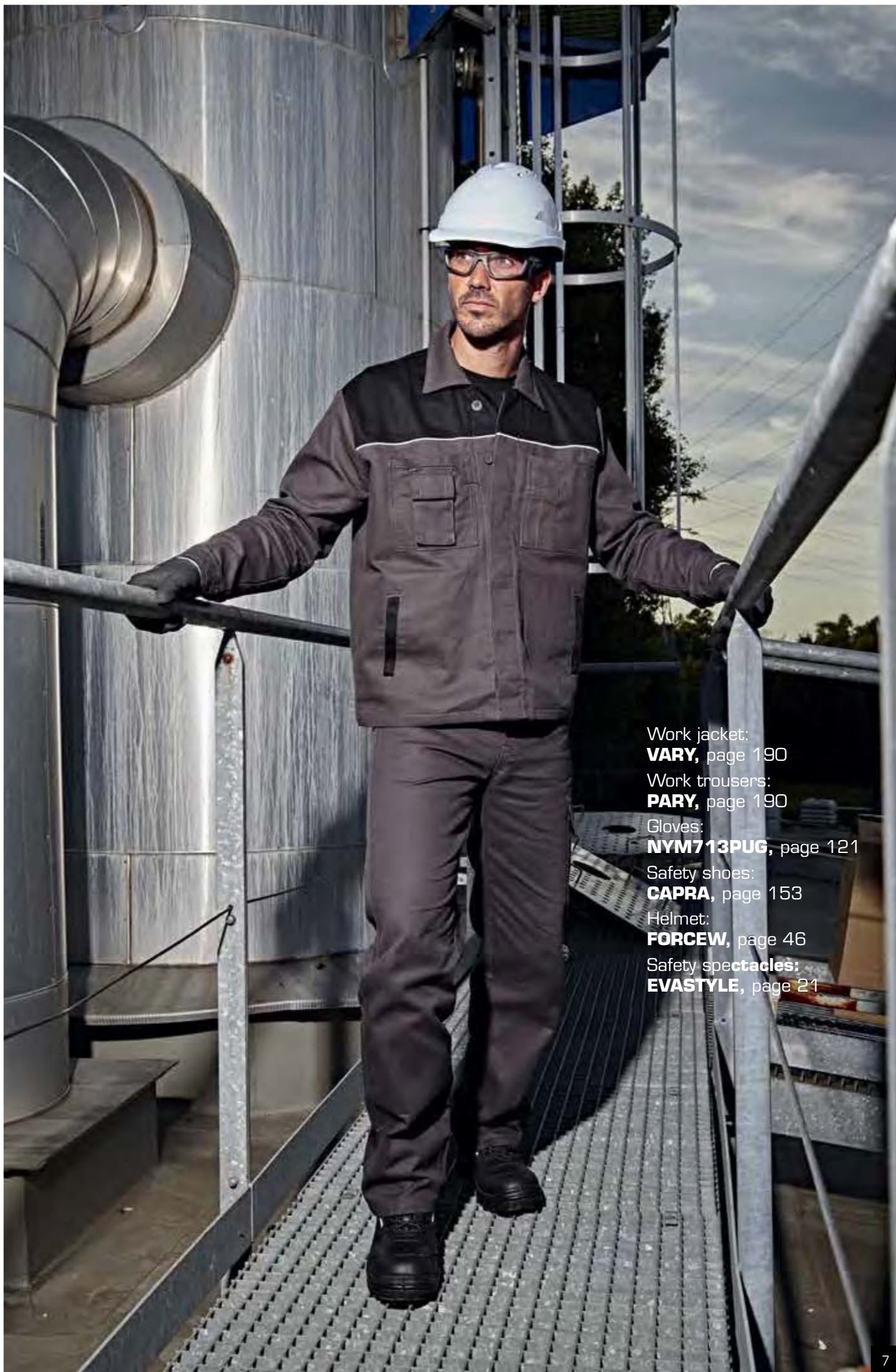


Softshell jacket:
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Helmet:

FORCEJ, page 46

Ear-defender:

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Gloves:
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Bodywarmer:
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Work trousers:
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Gloves:
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Sun glasses:
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Ear-defender:
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Bomber jacket:
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Rain trousers:
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Winter water repellent leather
gloves:
50GHNTN, page 79

A man is standing in a scrap metal yard, surrounded by large piles of twisted metal. He is wearing a yellow hard hat, a dark grey work jacket with reflective stripes, dark work pants, white work gloves, and black rubber boots. The background shows a cloudy sky and the extensive pile of scrap metal.

Helmet:
FORCEJ, page 46
Parka:
PALAWA, page 166
Work bib pant:
SARY, page 191
Gloves:
PHDSLAT, page 125
Fur lined PVC boots:
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A man with a beard, wearing a white helmet and a dark jacket, is climbing a metal structure. He is wearing a harness and has a rope attached to it. The background shows a cloudy sky and some greenery.

Helmet:
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Fall arrester:
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Bump cap:
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Fire resistant trousers:
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Tendancies collection 2016/2017

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Eye protection - Stylish spectacles



EVARUN

Metallic-silver painted polycarbonate frame offers lightweight and durability.
Single piece clear polycarbonate curved (7°) lens.
TPR + polycarbonate temples.
Anti-scratch lenses treatment.

EN166 (FT, optical class 1). EN170 (2C-1,2)



10x10



27g.

SINGER

**INNOVATION
RESISTANCE AND LIGHT WEIGH**



EVARUNA

Metallic-silver painted polycarbonate frame offers lightweight and durability.
Single piece smoke polycarbonate curved (7°) lens.
TPR + polycarbonate temples.
Anti-scratch lenses treatment.

EN166 (FT, optical class 1). EN172 (5-3.1)



10x10



27g.

SINGER

**INNOVATION
RESISTANCE AND LIGHT WEIGH**



EVATREND

Sunglasses. UV Resistance (**UV 400**).
Slim polycarbonate temples.
Silver mirror lens. Anti-fog and anti-scratch treatment.
Slip resistant insert on temples and nose bridge.
Lenses thickness : 2.20 mm.

EN166 (F, optical class 1). EN172 (5-1.7)



10x10



24g.

SINGER



EVASTYLE

Wide fixed temples with non-slip inserts.
Curved lenses in clear polycarbonate material
with anti-scratch and anti-fog treatment.
Nose bridge with comfortable non-slip insert.
Perforated temples for adjustable cord.
The frame takes the exact shape of the face for
and excellent protection.
Modern design.

**PERFECT FIT
ULTIMATE PROTECTION**

EN166 (FT, optical class1). EN170 (2C-1.2)



10x10



32g.

SINGER

Eye protection - Stylish spectacles



The models with inside foam improve the comfort and protection of end users by preventing dust and other particulates to penetrate.

[COMFORT AND PROTECTION]



With foam



Removable foam

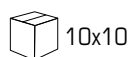
EVAMOUSSE

Pivoting temples.

Anti-scratch and anti-fog polycarbonate clear lens.

Lens with an easy removable foam, comfortable and practical.

EN166 (FT, optical class 1). EN170 (2C-1.2)



SINGER 



Inside view



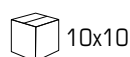
Without foam



EVAFOM

Anti-scratch and anti-fog clear polycarbonate lenses. Lens with an easy removable foam, comfortable and practical. Very ergonomic shape providing and excellent protection. Bi-injected ventilated sidearms with slip resistant inserts. Slip resistant nose bridge.

EN166 (F, optical class 1). EN170 (2C-1.2)



10x10



31g.

SINGER



Inside view



Removable foam



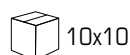
Without foam



EVAFOMA

Anti-scratch and anti-fog smoke polycarbonate lenses. Lens with an easy removable foam, comfortable and practical. Very ergonomic shape providing and excellent protection. Bi-injected ventilated sidearms with slip resistant inserts. Slip resistant nose bridge.

EN166 (F, optical class 1). EN172 (5-2)



10x10

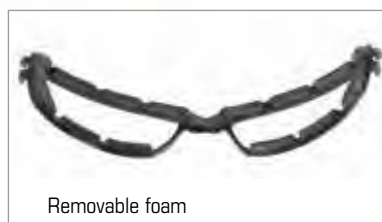


31g.

SINGER



Inside view



Removable foam



Without foam

Eye protection - Stylish spectacles

[INCREDIBLY LIGHTWEIGHT]



EVALOR

Thin bi-injected sidearms with slip-resistant inserts. Gloss finish frame and temples. Anti-scratch and anti-fog curved polycarbonate clear lenses. Slip resistant nose bridge. Fits with perfection the shape of the face for an excellent protection. Stylish design.

EN166 (F, optical class 1). EN170 (2C-1.2)



10x10



22g.

SINGER



[INCREDIBLY LIGHTWEIGHT]



EVALORA

Same as EVALOR but with smoke lenses

EN166 (F, optical class 1). EN172 (5-3,1)



10x10



22g.

SINGER

EVASHARK SERIES

EVASHARKGCA

Adjustable sidearms
(4 positions).
Anti-scratch and anti-fog treated
clear polycarbonate lenses.
Grey frame. Perforated temples
for adjustable cord (ACCORD2N).



EN166 (FT, optical class 1). EN170 (2C-1.2)



10x10



31g.

SINGER

EVASHARKBBA

Metallic blue frame.
Fashionable blue smoke mirror lenses.

ISO12312-1. Class 3.



EVASHARKMSA

Metallic brown frame.
Smoke lenses.

EN166 (FT, optical class 1). EN172 (5-2).



EVASHARKNJA

Black frame.
Amber coated lenses.

EN166 (FT, optical class 1). EN170 (2C-1.2).



EVASHARKNGA

Black frame.
Green lenses.

EN166 (FT, optical class 1). EN170 (2C-1.7).



Eye protection - Stylish spectacles

EVA86 SERIES

One piece panoramic lens. Adjustable polyamide sidearms.
Anti-scratch lens.



EVA86AB - Anti-fog lens

EVA86 - Not anti-fog lens

Clean lens.

EN166 (FT, optical class 1). EN170 (2C-1.2)



10x10



27g.

SINGER 

[ULTRA LIGHTWEIGHT]

EVA86ABB

Blue anti-fog lens.

EN166 (FT, optical class 1). EN170 (2C-1.7).



SINGER 



EVALUNABE

Soft clear PVC nose bridge. Polyamide frame.

Anti-slip sidearms. Anti-scratch and anti-fog
clear polycarbonate lenses.

EN166 (FT, optical class 1). EN170 (2C-1.2)



10x10



29g.

SINGER 

100%
POLYCARBONATE
METAL FREE



EVA83ABB

Clear polycarbonate anti-scratch and anti-fog lens. 100% polycarbonate. No metallic parts.

EN166 (FT, optical class 1). EN170 (2C-1.2)



10x10



28g.

SINGER



EVASAND

One piece wide clear anti-scratch polycarbonate lens with protective side-shields. Pivoting frame and adjustable grey temples length. Comfortable nose pad.

EN166 (FT, optical class 1). EN170 (2C-1.2)



10x10



29g.

SINGER

PIVOTING AND
ADJUSTABLE-
FRAME



EVA07

Overspectacles made up of one piece wide clear anti-scratch polycarbonate lens with protective side-shields. Pivoting frame and adjustable blue temples length. Perforated temples for adjustable cord (ACCCORD2N). Can be worn over most of prescription lenses.

EN166 (FT, optical class 1). EN170 (2C-1.2)



10x10



34g.

SINGER

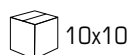
CAN BE WORN OVER
PRESCRIPTION
LENSES

INCREDIBLY LIGHTWEIGHT

EVARED

Single piece clear polycarbonate curved (9°) lens.
TPR + polycarbonate lens. Red and black colour.
Molded-in nose bridge. Anti-scratch treatment.

EN166 (FT, optical class 1). EN170 (2C-1,2)



10x10



24g.

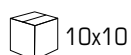
SINGER



EVASUD

Clear one piece polycarbonate anti-scratch lens.
Clear sideshields incorporated in the sidearms
for a perfect protection.
Perforated temples for adjustable cord.

EN166 (FT, optical class 1). EN170 (2C-1,2)



10x10



24g.

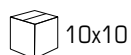
SINGER



EVAMED

One piece polycarbonate clear lens. Sideshields
incorporated in the sidearms. Very thin and
lightweight safety spectacles.

EN166 (FT, optical class 1). EN170 (2C-1,2)



10x10



24g.

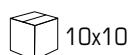
Prosur



EVASUN

One piece polycarbonate smoke lens.
Sideshields incorporated in the sidearms.
Very thin and lightweight safety spectacles.

EN166 (FT, optical class 1). EN172 (5-3,1)



10x10



24g.

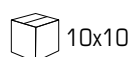
Prosur



EVALIT

Clear one piece polycarbonate anti-fog and anti-scratch lens.
Wraparound shape for perfect protection.
Black ventilated temples.

EN166 (FT, optical class 1). EN170 (2C-1.2)



10x10



23g.

SINGER

INCREDIBLY LIGHTWEIGHT
PERFECTLY FITS SHAPE
OF THE FACE



EVALANKA

Pivoting black polyamide frame.
Adjustable black temple length.
Clear polycarbonate lens integrating the
sideshields for a perfect protection.
Clear anti-scratch polycarbonate.
Perforated temples for adjustable cord.

EN166 (FT, optical class 1). EN170 (2C-1.2)



10x10



34g.

SINGER

PIVOTING
FRAME

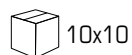


EVASPORT SERIES

EVASPORT/B

Length adjustable temples.
Blue polyamide frame. Polycarbonate lens integrating
the sideshields for a perfect protection.
Clear anti-scratch polycarbonate.
Perforated temples for adjustable cord.

EN166 (FT, optical class 1). EN170 (2C-1.2)



10x10



34g.

SINGER



EVASPORT/N

Black frame.

EVASPORTN/AB

Also available with
anti-fog lens.

EVASTAR SERIES

[ROBUST]

EVASTAR

Visitor spectacles with large ventilated sidearms.
No metallic parts (100% polycarbonate).
Sideshields integrated in the sidearms.
Perforated temples for adjustable cord.

EN166 (FT, optical class 1). EN170 (2C-1.2)



10x10



44g.

SINGER



[100 % POLYCARBONATE]

EVALAB

Protection spectacles – visitor style with large ventilated sidearms.
Lenses and frame in clear polycarbonate
Lenses thickness: 2.00 mm.
Perforated temples for adjustable cord.

EN166 (FT, optical class 1). EN170 (2C-1.2)



10x10



27g.

Prosur



EVA317

Traditional spectacles. Lateral folding sideshields.
Polyamide frame. Clear polycarbonate lens removable with screw. Spare lenses available.

EN166 (S, optical class 1)



20x1



31g.



ACCVIC317

Clear spare polycarbonate lenses for EVA317.

EN166.

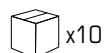


x25



ACCCORD4

Elastic flat cord for spectacles. Adjustable length.
Elastomer slip-resistant loop connectors.
Dark colour.
28 cm x 1,00 cm.

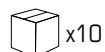


SINGER



ACCCORD2N

Elastic round cord for spectacles. Adjustable length.
Clip connectors. Very easy to connect on eyewear with perforated temples. Black colour. 33,5 cm x 2 mm.
(EVASPORT, EVASTAR, EVASHARK, EVA07, EVARED, EVALOR, EVALORA, EVALAB, EVASUD).

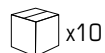


SINGER



ACCCORD3

Elastic round cord for spectacles. Adjustable length.
Loop connectors. Black colour.
32 cm x 2,30 mm.

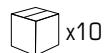


SINGER



ACCTISSN

Lens cleaning tissue in polyester 15 x 15 cm.
Black colour.

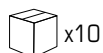


SINGER



ACCETUI

Black synthetic case for spectacles. Clip belt attachment. Keep your equipment away from dust scratch and impact.

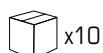


SINGER



ACCETUI2

Black soft synthetic case for spectacles.
Keep your equipment away from dust.

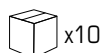


SINGER



ACCETUI3

Strong Eva case for spectacles. Dark colour.
With zipper closing, hook and belt loop.



SINGER

Eye protection - Goggles



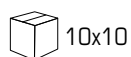
[WIDE FIELD
OF VISION]

EVAGUARD

Quality safety goggle. P.V.C frame. Unvented. Panoramic clear anti-scratch and anti-fog polycarbonate curved lens. Lens thickness: 2.30 mm.

Quick adjustable elastic headband. The wide peripheral vision provides high levels of comfort and maximum protection. Can be fitted with the visor **ACCGUARD** to form a complete face protection.

EN166 (BT, 3, 4, 5, optical class 1), EN170 (2C-1.2)



SINGER

ACCGUARD

Protective visor to fix on the **EVAGUARD** goggle.

EN166, (BT)



[PREMIUM!]

EVASAFE

Premium safety google. Non vented.
With UV protection.
Lenses : double safety clear lenses.
Inside anti-fog acetate lens 0.50 mm (marking N).
Outside anti-scratch polycarbonate lens 2.30 mm (marking K).
Body : soft and comfortable elastomere.
Neoprene elastic headband.
Wide edge and comfortable nose bridge.

EN166 (BT, 3, 4, 5, 9, K, N, optical class 1) EN170 (2C-1.2)



12x6



143g.

SINGER



[PREMIUM!]

EVAFLEX

Black TPU frame. Soft foam seal all around the mask edge for a high level of comfort and a perfect fit. Wide easy adjustable headband. Curved clear lens with anti-scratch and anti-fog treatment.
Can be worn over most of prescription lenses.

EN166 (BT, 3, 4, optical class 1), EN170 (2-1.2)



9x6



125g.

SINGER



With foam seal

[BI-INJECTION
POLYPROPYLENE - SANTOPRENE™]

EVACANA

Original model featuring a super wide lens for an excellent panoramic vision. Dual injected soft frame with pressure free fit tight seal design. Anti-scratch and anti-fog clear polycarbonate screen. Large and easy adjustable elastic headband. Fits over most prescription lenses.

EN166 (BT, 3, 9, N, optical class 1)



10x10



83g.

SINGER

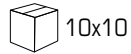


Eye protection - Goggles

EVA03

PVC frame with direct ventilation. Clear panoramic anti-scratch and anti-fog polycarbonate curved lens. Enhanced peripheral vision. Quick adjustable elastic headband provides fast, comfortable and easy fit for all wearers.

EN166 (BT, 3, 4 and 9, optical class 1)



10x10



90g.

SINGER

[CURVED SHAPE]



EVAPRO

PVC frame with 4 vents. Quick adjustable elastic headband provides fast, comfortable and easy fit for all wearers. Clear panoramic anti-scratch and anti-fog polycarbonate lens. Can be worn over prescription lenses.

EN166 (BT, 3, 4 and 9, optical class 1)



10x10



120g.

SINGER

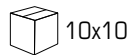
[LIQUID SPLASH PROTECTION]



EVARIO

PVC frame with 4 cap vents. Adjustable headband. Clear anti-scratch and anti-fog polycarbonate lens.

EN166 (BT, 3, 4 and 9, optical class 1)



10x10



76g.

SINGER

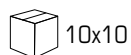
[STANDARD]



EVAMAS

Soft PVC frame with direct ventilation. Adjustable headband. Clear polycarbonate lens.

EN166 (BT, 4 and 9, optical class 1)



10x10



81g.

SINGER

[STANDARD]



BROW PROTECTOR



FORCECEAL

Blue protective browguard with ratchet headgear.
Front sweatband and back confort foam pad.
Tested against the short circuit electric arc (Mark «8»).

To be used together with the visors FORCE805, ACC930CL or ACC930TL. (ACC930CL and ACC930TL are not tested again the short circuit electric arc).

EN166 (3, 8, 9, BT). EN175 (S).



10x1

SINGER

**[TESTED AGAINST THE SHORT CIRCUIT
ELECTRIC ARC (MARK «8»).**

FORCE805

Clear polycarbonate
spherical visor.
(400 x 205 mm).
Thickness: 2.00 mm.

EN166 (3, 8, 9, BT, optical class 1). EN170 (2-1.2).



50x1

ACC930TL

Smoke polycarbonate
spherical visor.
(400 x 225 mm).
Thickness: 2.00 mm.

EN166 (BT, optical class 1). EN172 (5-3.1).



50x1

ACC930CL

Clear polycarbonate
spherical visor.
(400 x 225 mm).
Thickness: 2.00 mm.

EN166 (BT, optical class 1). EN170 (2-1.2).



50x1



EVA825

Features a yellow impact brow protector with ratchet headgear and a stainless steel mesh swivel-up visor (305 x 195 mm).

EN1731 F



SINGER



ACC825

Spare mesh visor
(305 x 195 mm).

EN1731



EVA805

Features a yellow impact brow protector with ratchet headgear and a clear swivel-up polycarbonate visor (305 x 190 mm). Thickness: 1.00 mm.

EN166 (B, optical class 1)



SINGER



ACC805LARG

Spare polycarbonate visor
395 x 200 mm.

EN166



ACC805

Spare polycarbonate visor
305 x 190 mm.

EN166





EVA848

Features a yellow impact brow protector with ratchet headgear and a clear swivel-up polycarbonate visor with aluminium edge. (394 x 203 mm). Thickness: 1.00 mm.

EN166 (B, optical class 1)



35x1

SINGER



ACC848

Spare polycarbonate visor.
394 x 203 mm.
Thickness: 1.00 mm.

EN166.



140x1



HG925N

Forest kit which includes a black polypropylene browguard (HG900) with ratchet headgear, ear-muffs (HG106J) and a large mesh visor HG825L (385 x 195 mm). delivered dismantled

EN1731, EN352-1



30x1

SINGER

**[FACE SHIELD
WITH EAR-MUFFS]**



HG825L

Spare mesh visor
(385 x 195 mm).

EN1731.



20x10

EVASPORT SERIES



EVASPORTN3

Length adjustable polyamide temples.
Smoke polycarbonate lens and sideshields.

EN166 (FT, optical class 1), EN175, EN169 (scale n° 3)

10x10 34g.



EVASPORTN5

EN166 (FT, optical class 1),
EN175, EN169 (scale n° 5),
EN171 (scale n° 4-5)

10x10 34g.



EVA317N5

Traditional spectacles. Lateral folding sideshields. Polyamide frame.
Green adiactinic glass lenses, DIN 5 (solely to be used for protection
against the optical rays produced by flame welding).

EN166 (optical class 2), EN175, EN169 (scale n° 5)

20x1 55g.

SINGER

ACCVD5/317

Shade 5 spare lenses for
EVA317N5.

EN169

x25

[METAL
FREE]



EVASTARN5

Visitor style with large ventilated smoke polycarbonate
sidearms. One piece polycarbonate smoke lens.

EN166 (FT, optical class 1), EN175, EN169 (scale n° 5),
EN171 (scale n° 4-5)

10x10 44g.

SINGER

GOGGLE



LUN225

PVC frame with 4 cap vents.
Black lens holder in polycarbonate equipped with
fixed clear polycarbonate lenses and flip-up glass
lenses scale number 5 with polycarbonate cover
lenses. Adjustable headband.

EN166, EN175, EN169 (scale n° 5)

10x12 140g.

SINGER

OPTO-ELECTRONIC HOOD



MS1190

Opto-electronic welding hood. Moulded in rigid high-strength black polypropylene. A clear PC protective cover lens is secured to the front and rear frames. The frontal viewing window is equipped with a solar cell and filter for welding operations, in shades 4/9-13 (fixed shade 4, automatically variable shade ranging from 9 to 13). Response time 1/25,000 s. Interior field of vision 92 x 42 mm. Dimensions of filter 110 mm x 90 mm x 9 mm. 2 sensors.

EN166, EN175, EN379



SINGER

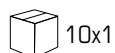
HEADGEAR HOOD



EVA300

Polypropylene welding hood equipped with a headgear and a flip-up window. To be used with specific lenses (sold separately).

EN175



SINGER



ACC1190E2

Spare front clear visor for MS1190



Inside view

PROTECTIVE SCREENS



SMOKE (SPECIAL WELDING)

Welding Protane® mineral glass screens 108 x 51 mm. To use with EVA300.

SMOKE

ACCVP10900

Scale n° 10

ACCVP11900

Scale n° 11

ACCVP13900

Scale n° 13

EN169

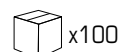
CLEAR

ACCVP10550

Polycarbonate
107 x 50 mm

ACCVMI900

Mineral glass
105 x 50mm

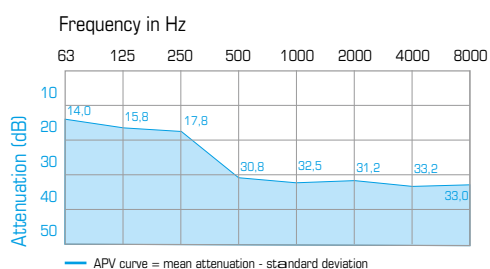


ELECTRONIC EAR-MUFFS

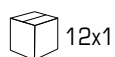
**AUTOMATICALLY BLOCKS
OUT DANGEROUS NOISES**

HC805A

Electronic level-dependent ear-muffs.
LCD indicator. ON/OFF volume control.
Sensitive microphone. Powered by 2 AA
batteries (not included).



SNR 31dB (H:33 M:28 L:21). EN352-4



12x1



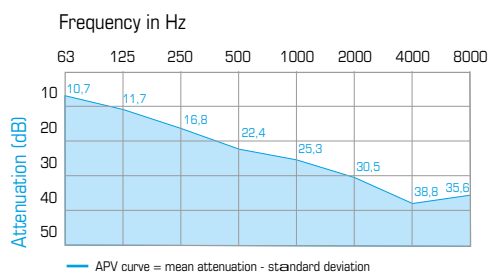
386g.

SINGER



HC816R

Electronic ear-muffs with FM radio.
Wide headband fitted with comfort cushion.
ON/OFF volume control. Radio tuning knob.
Powered by two type AA batteries (not included).



SNR 28dB (H:31 M:24 L:18). EN352-1, PREN352-8



24x1



379g.

SINGER

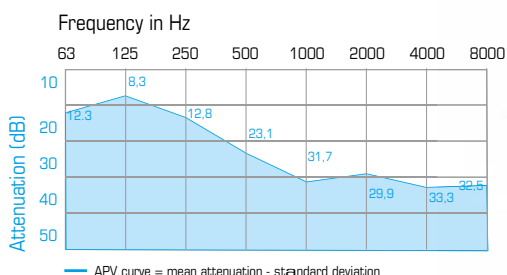


[LIGHT WEIGHT AND
SUPER COMPACT]

HG803G

Light weight ear-muffs.
Foldable and super compact. Grey adjustable cups.
Gloss finishing. Headband equipped with comfortable
cushions. Black highly comfortable cushions.
High density inside foam.

Packed under individual blister.



SNR 26,3dB (H:31,8 M:23,6 L:14,9). EN352-1



6x8



174g.

SINGER

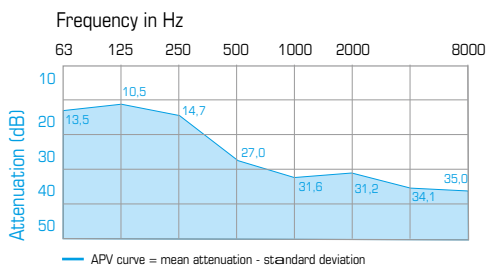


[VERY LIGHT WEIGHT
AND ERGONOMIC]

HG813G

Light weight ear-muffs.
Grey adjustable cups. Gloss finishing.
Headband equipped with a comfortable cushion.
Black highly comfortable cushions.
High density inside foam.

Packed under individual box.



SNR 28dB (H:33 M:26 L:17). EN352-1



24x1



156g.

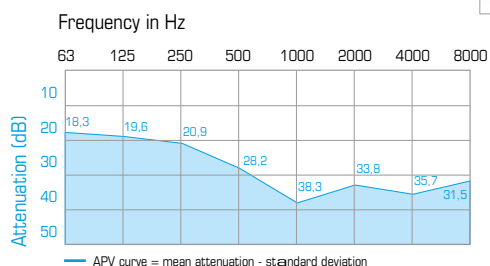
SINGER



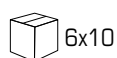
Ear protection - Comfort + ear-muffs

HG107PNR

Compact and foldable ear-muffs. Foldable design, easy to store. Maximum protection. Soft and comfortable foam on headband.



SNR 33dB (H:34 M:31 L:24). EN352-1



6x10



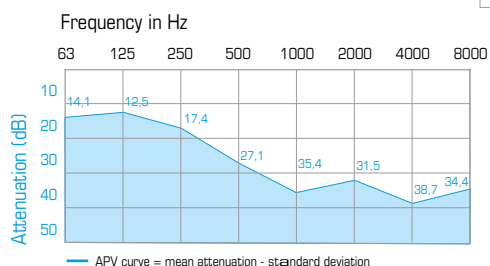
297g.

SINGER



HG106PNR

Compact and foldable ear-muffs. Foldable design, easy to store. Soft and comfortable foam on headband.



SNR 30dB (H:34 M:28 L:19). EN352-1



6x10



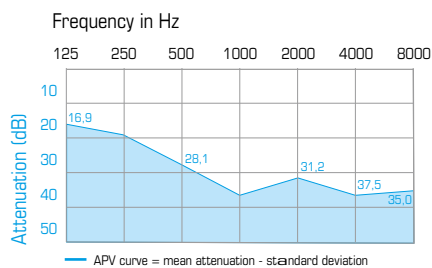
270g.

SINGER



HG105NR

Very comfortable ear-muffs. Soft and comfortable foam on headband.



SNR 32dB (H:34 M:30 L:23). EN352-1



6x10



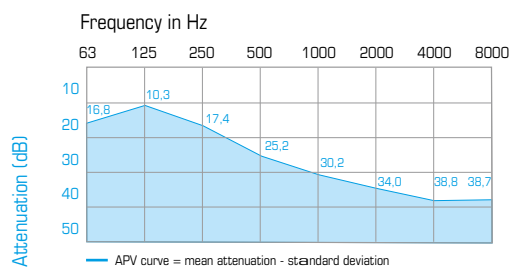
226g.

SINGER



CASBRUIT

Light weight ear-muffs.
Red cups adjustable on headband. Equipped with black comfortable cushions.



SNR 29dB (H:35 M:26 L:18). EN352-1



6x10



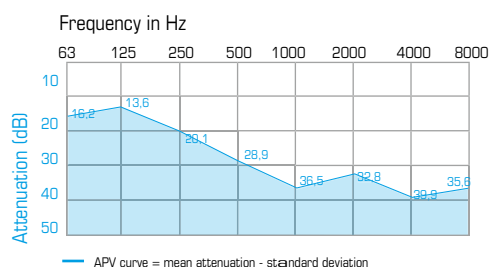
188g.

SINGER



CASBRUITPC

Compact and foldable ear-muffs. Very easy to store.
Red cup equipped with black comfortable cushions.



SNR 32,1dB (H:35,1 M:29,7 L:21,1) EN352-1



6x10



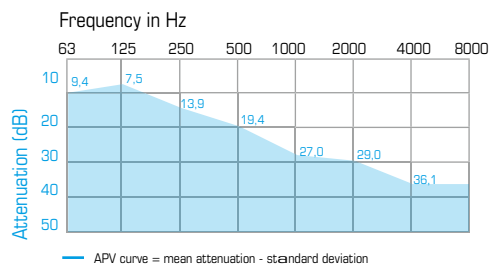
237g.

SINGER



HG106J

Light weight ear-muffs. Yellow cups adjustable on headband. Headband equipped with black comfortable cushions. Soft and comfortable cushion on headband.



SNR 25,5dB (H:30,8 M:22,5 L:14,8). EN352-1



6x10



166g.

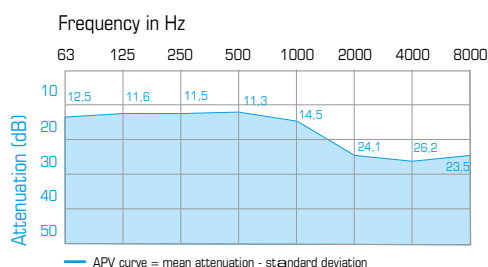
SINGER



Ear protection - Headbands / Ear-plugs

HG545J

Handy and flexible yellow polypropylene headband.
Comfortable white sucker style silicone rubber plug.
Re-usable. Available spare ear-plugs.



SNR 19dB (H:22 M:15 L:13). EN352-2

10x100

SINGER



Re-usable



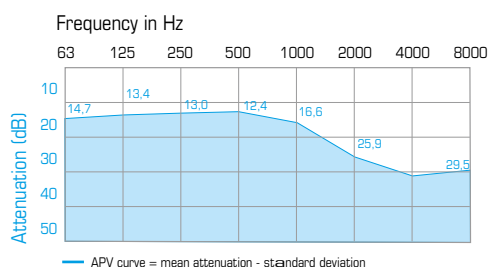
HG545JRB

Spare white ear-plugs for HG545J.
Washable and re-usable.
1000 pieces.

10x1

HG548NJ

Handy and flexible black plastic headband.
Comfortable yellow polyurethane ear-plugs.
Re-usable. Available spare ear-plugs.



SNR 21dB (H:24 M:16 L:14). EN352-2

10x40

SINGER



Re-usable



HG548NJB

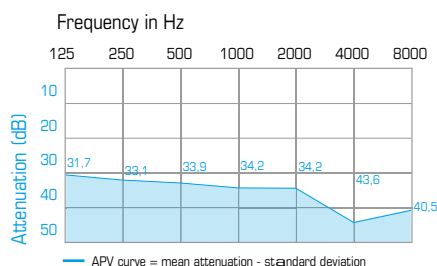
Spare yellow ear-plugs for HG548NJ.
Re-usable.
1000 pieces.

10x1

HGBDTC

Corded detectable ear-plugs. Soft and comfortable.
In polyurethane. Corded. Conical shape for easy insertion. Single use. Blue colour. Display boxes of 200 pairs. Each pair under individual polybag.

[DETECTABLE]



SNR 37dB (H:36 M:35 L:34). EN352-2

10x1

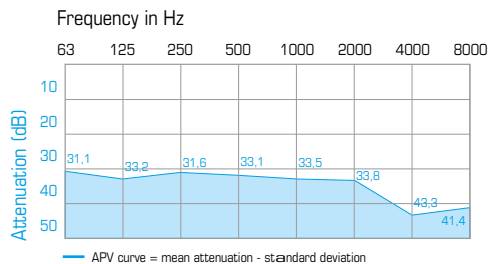
SINGER



Ear protection - Ear-plugs

HGB030 - Uncorded
HGB030C - Corded

Orange soft PU foam ear-plugs. Disposable. Conical shape for easy insertion. Smooth outer surface for better hygiene. Display boxes of 200 pairs. Each pair under individual polybag.



SNR 37dB (H:36 M:34 L:33). EN352-2



SINGER

DISTB

Ear-plugs dispenser.
Catch basin prevents ear-plugs from falling to the ground.

Delivered without ear-plugs.



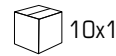
SINGER



RECB01

Ear-plugs refill.
Model HGB030.

1000 pieces.



HGB20

Ear-plugs in box of 20 pieces.



SINGER

BTB02

For perfect hygiene keep your ear-plugs in a clean area, away from dust.

You will find this small belt clip-up box very useful.
Delivered without ear-plugs.



SINGER

Skull protection - Helmets

VENTILATED



FORCEW

In ABS, 8 points suspension ; web suspension.
PE headgear with ratchet easy system adjustment. 53-66 cm.
Back comfort foam pad.
Front sweatband. Delivered preassembled.

With optional test:

- Tested at low temperatures: - 30°C.

EN397



SINGER



FORCEO



FORCEB



FORCEJ

UNVENTILATED



FORCE2W

In ABS, 8 points suspension; web suspension
PE headgear with ratchet easy system adjustment.
53-66 cm. Back comfort foam pad. Front sweatband.
Delivered preassembled.

With optional tests:

- Tested at low temperatures: -30°C.
- Electrical isolation 440 V.
- Melting metal projection « MM ».
- Class 0. (1000 V c.a.).

EN397, EN50365



SINGER



Inside view



FORCE2B



FORCE2O



ACCESSORIES FOR FORCE AND FORCE2

FORCEACC


Set of 2 adaptors to fix the face shield holder FORCESUP on helmet. Not required in case of combined use of a visor with ear-muffs.

 10x1



FORCEJUG

Chin strap. In textile and plastic.

 10x10



FORCE107

Ear-muffs.

[26dB]

EN352-3.


 20x1



FORCESUP

Face shield holder. To be used with adaptors (FORCEACC) or without adaptors in case of use of ear-muffs.

EN166.

 10x1



ACC825

Spare mesh visor.
305 x 195 mm.

EN1731

 200x1



ACC805 & ACC805LARG

Spare clear polycarbonate visors.
305 x 190, ref ACC805
395 x 200, ref ACC805LARG

EN166 (BT, optical class 1).

 200x1



FORCE805

Spare clear polycarbonate spherical visor.
(400 x 205 mm). **Tested against the short circuit electric arc (Mark «8»).** Thickness 2.00 mm.
EN166 (3, 8, 9, BT, optical class 1). EN170 (2-1.2).

 50x1



ACCBFORCE

Spare front sweatband.

 10x10



ACC930CL

Spare clear polycarbonate spherical visor.
(400 x 225 mm)
Thickness: 2.00 mm

EN166 (BT, optical class 1)
EN170 (2-1.2)

 50x1



ACC930TL

Spare smoke polycarbonate spherical visor.
(400 x 225 mm)
Thickness: 2.00 mm

EN166 (BT, optical class 1)
EN172 (5-3.1).

 50x1



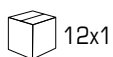
FOREST KITS



FOREST

Includes: FORCE20 in orange colour;
FORCE107 ear-muffs; FORCESUP visor holder
and a mesh visor.
Delivered dismantled in one box.

EN397, EN352-3, EN1731.



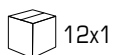
SINGER 



HGCF01

This forest helmet includes the safety helmet HG9020,
ear-muffs HG1670, face shield holder HG867
and mesh visor HG825L.

EN397, EN1731, EN352-3.



SINGER 



ABS SAFETY HELMET WITH WEB SUSPENSION AND ITS ACCESSORIES.



HG902W

White colour.

In ABS, 4 points suspension.

PE headgear with ratchet easy system adjustment.

Front sweatband. Back comfort foam pad.

Delivered unassembled.

EN397



40x1

SINGER

ACCESSORIES FOR HG902

HG187

Ear-muffs

Yellow and black colour

Perfect fit and very

comfortable. 261 g.

EN352-3. SNR value 23dB

(H: 28 M: 20 L: 12).



60x1



[23dB]

HG867

Visor holder.

Delivered with the adaptor HG18.



6x10



HG825L

Mesh visors

For use with the

adaptor HG18 and

the face shield holder

HG867.

EN1731.



20x10



ACC805LARG

Polycarbonate Visor.

For use with the

adaptor HG18

and the face shield

holder HG867

EN166.



200x1



HG03N

Chin strap.

In textile and plastic.



20x50



HG18

2 adaptors are

required to fix the face

shield holder HG867.

(not required in case of

combined use of a visor

with ear-muffs).

Sold per piece.



300x1

ECONOMICAL HELMET



Polyethylene. 6 points web suspension with front sweatband.
Manual adjustment headgear.
Delivered dismantled.

EN397



60x1



317g.



CAS5RSY

CAS5RSR

CAS5RSW

CAS5RSB

CAS5RSO

CAS5RSV

BRENNUS HELMET



In polyethylene with ventilation.

EN397



25x1



350g.

CASJAUNE

CASROUGE

CASBLEU

CASORANGE

CASVERT

CASBLANC

Skull protection - Helmets & accessories

[HELMET IRIS2]



CASIRISJAU2 

CASIRISROU2 

CASIRISBLE2 

CASIRISOR2 

CASIRISVER2 

CASIRISBL2 

Polyamide working helmet IRIS2 with flip-up spectacle.
Adjustable ventilation. Ratchet adjustment.

EN397, EN166, EN170

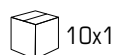


20x1

LUNIRIS2

Spare glasses.

EN166/EN170.



10x1



[HELMET FOR WORKING AT HEIGHT]



CAS7001

Safety helmet with short visor.
Ventilated moulded shell in A.B.S.
4 point textile suspension and
low density polyethylene headgear
with adjustable ratchet system
(53 to 63 cm). Equipped with
woven chin strap with plastic
buckle, **for working at height**.
White colour.

EN397



x1



LUNKARA

Safety glasses suitable
for the helmet
CAS7001.




10x1

[CAP AGAINST COLD]



BREVA

Cap against cold
for industrial helmets.
Inside in Polar fleece polyester.
Black colour.

 5x10


[VISOR HOLDER]



ACCAVPC

Visor holder for helmet, flip-up model.
Suitable for the visors ACC805, ACC805LARG, ACC825 and
HG825L.

EN166, EN1731.

 100x1

Skull protection - Helmets

HELMET FOR WORKING AT HEIGHT

[NON-VENTILATED
VERSION]

High resistant polycarbonate shell. 8 points textile suspension harness. This harness is adjustable in two different positions, high or low, and features a holding plate for a perfect fit. Plastic headgear with convenient ratchet adjustment. Comfortable foam pad at the rear of the headgear. Front comfortable sweatband. 4 points woven chin strap with plastic buckle. 4 external headlamp clips on shell. Delivered preassembled. Optional test: tested a low temperature - 30°C.

EN397



SINGER

ALPIN2W



ALPINBK



ALPINJ



ALPINO

[VENTILATED
VERSION]

EN397



SINGER

ALPINW



ACCESSORIES FOR ALPIN AND ALPIN2

All the accessories of FORCE and FORCE2 are suitable for the ALPIN and ALPIN2 (see page 47).



HEADLAMPS

To be used alone or with Alpin helmet.
Adjustable head-strap system to wear directly on head.

LP330FB

Ultra-compact and light weight. Water-resistant.
LED/XENON. 4 positions.
Uses 3 batteries (1.5 V AAA) (included).



4x12

SINGER



LP95FB

10 meters water-resistant. spare bulb included.
Uses 2 batteries (1.5 V AA). (not included).



20x6

SINGER

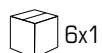


ATEX TORCHLAMP



LP1013

Light source: LED 1 W OSRAM. Lumens: 80 lm.
Run time: 14 hrs 55 mins.
Power source: 4 batteries AA type (non included).
Dimensions: 175 x 45 x 45 mm.
Weight: 105 g (w/o batteries).
Beam distance: 122 m.
Waterproof: 1 m. IP67.
Rubber on/off button at the end of the lamp.
Colour: black/yellow.
EX II 1G Ex ia IIC T4 (certified by Demko).



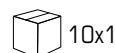
6x1

SINGER



ACC1013

The clip plastic can be used
to clip the LP1013
torch on most
of helmets.



10x1

SINGER

L.E.D: Light Emitting Diode. Some of numerous advantages of a L.E.D. bulb: better luminous efficiency - very long life span (more than 100,000 hours continuous using) - less energy consumption - shock and vibration resistant

BASE-BALL BUMP CAPS



HG913W



HG913N



HG9130



HG913HV

HG913B

Blue colour.

Made of moulded A.B.S shell covered with a coloured cotton fabric cap. Front peak. Self grip fastening at the back.

Ventilated on both sides. Inside foam pad for wearer comfort and protection.

EN812.



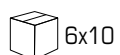
SINGER

HG914B

Blue colour.

Same model as the HG913 cap with a short peak (3 cm).

[SHORT
PEAK]



SINGER



BE CAREFUL IMPORTANT NOTICE!
THIS PRODUCT IS NOT AN INDUSTRIAL SAFETY HELMET.

Skull protection - Caps and hoods

● **BONABL**

● **BONOI**

● **BONTHB** - Thinsulate® lined.

● **BONTHN** - Thinsulate® lined.

Acrylic knitted.

One size only.



10x10

SINGER



PASMONABL

Acrylic. Knitted. With peak. Single size only.

Navy blue colour.



10x10

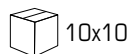
SINGER



WINTER CAP

CAFPOLA

Polyamide. Padded. Ear and neck protection in Polar polyester lining. Adjustable chin strap. One size fits all. Blue colour.



10x10

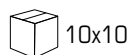
SINGER



SUMMER CAP

CAP

Cotton. Adjustment in the back. Black colour.



10x10

SINGER



TEXTILE AND LEATHER HOODS

PYROCAG

Fire retardant protective hood.
Fabric in Pyrovatex 310 gsm.
99% cotton, 1% antistatic material (carbon).
Large flap covering the shoulders.
Adjustment with hook-and-loop flap.
Original system of hook-and-loops straps on top of the hood
for convenient adjustment on welding hood.
Blue colour.

EN ISO11611 (Class 1 A1)
EN ISO11612 (Class A1+A2 B1 C1 E1)
EN1149-5



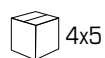
SINGER



SOUDAC

Split leather. Front opening with 3 press studs
under leather flap. Large leather flap covering the shoulders.
Sewn with arami yarn.

EN ISO11611 (Class 1/2 A1)

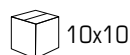


Prosur



COTCAG

Neck protection and drawstrings adjustment.
No permanent flame retardant cotton fabric.



SINGER



FOLDABLE PARTICULATE RESPIRATORS HORIZONTAL FOLD FLAT - 3 PANELS DESIGN

Large volume and exhalation valve improving the breathing of the user and decreasing the fatigue at work. Foldable design and easy carry/storage. Comfort and safety improved thanks to the ideal concept of this equipment. Latex free double elastic band. Adjustable invisible nosepiece to minimize leakage but maximize comfort. Smooth lining in polypropylene.

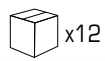
Attractive and convenient dispenser boxes of **20 pieces**. Individually hygienically packed. Complies with EN149: 2001 standard. Passes EN149: 2001 optional dolomite (D) clogging test for more comfortable breathing.



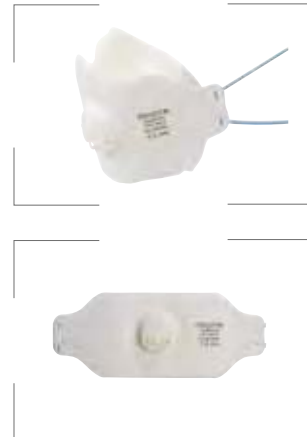


AUUMP10V
Boxes of 20 pieces.

FFP1 NR D

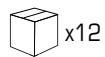


SINGER



AUUMP20V
Boxes of 20 pieces.

FFP2 NR D

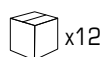


SINGER

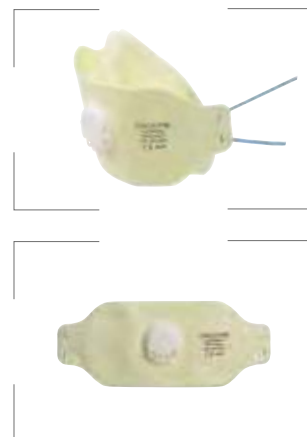


AUUMP30V
Boxes of 20 pieces.

FFP3 NR D



SINGER



CLASSIC FOLDABLE PARTICULATE RESPIRATORS

Horizontal fold flat

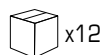
Foldable design and easy carry/storage. Hygienic individual packaging. Sealed edge avoids fluffy open layers and eliminates the possibility of irritation. P.P. outer/inner layers provide smooth lining and a comfortable feel. Soft edges can fit different facial shapes with minimum leakage.

Latex-free continuous loop design allows to hang the mask around the neck when not in use. Complies with EN149: 2001 standard. Passes EN149:2001 optional Dolomite (D) clogging test for more comfortable breathing. **Boxes of 20 pieces.**



AUUMP100SL
Boxes of 20 pieces.

FFP1 NR D

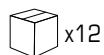


SINGER



AUUMP200VSL
With exhalation valve.
Make breathing easier.
Boxes of 20 pieces.

FFP2 NR D

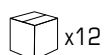


SINGER



AUUMP300VSL
With exhalation valve.
Make breathing easier.
Boxes of 20 pieces.

FFP3 NR D



SINGER

CLASSIC FOLDABLE PARTICULATE RESPIRATORS

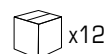
Vertical fold flat

Patented headstrap buckle to adjust length of headstrap for various facial sizes. Cool latex-free textile braided headstrap for comfortable wearing. No staple used. Avoid contact between skin and metal. Continuous loop design allows to hang the mask around the neck when not in use. P.P. inner/outer layers provide smooth lining and a comfortable feel. Foldable design and easy carry/storage. Hygienic individual packaging. **Boxes of 20 pieces.** EN149:2001 standard.



AUUMP31
Boxes of 20 pieces.

FFP1 NR

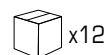


SINGER



AUUMP31V
With exhalation valve.
Make breathing easier.
Boxes of 20 pieces.

FFP1 NR

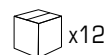


SINGER



AUUMP32V
With exhalation valve.
Make breathing easier.
Boxes of 20 pieces.

FFP2 NR

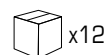


SINGER



AUUMP33V
With exhalation valve.
Make breathing easier.
Boxes of 20 pieces.

FFP3 NR



SINGER

COMFORT PARTICULATE RESPIRATORS

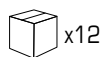
Passes EN149:2001 optional Dolomite (D) clogging test for more comfortable breathing. Patented headstrap buckle to adjust length of headstrap for various facial sizes. No metal used. Avoid contact between skin and metal and is suitable for those environments where metal is not allowed. Cool latex-free textile braided headstrap for comfortable wearing. Continuous loop headstrap design allows to hang the mask around the neck when not in use. Polypropylene (P.P.) inner layer provides the most intimate touch to your face. Pre-shaped nose cushion and soft closed-cell nose foam ensures a custom shape that increases worker comfort and acceptance. Embossed fringe seal avoids fluffy open layer around the edges. Contour design ensures the compatibility of spectacles/goggles and reduces fogging.



AUUM21

Boxes of 20 pieces.

FFP1 NR D



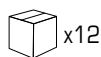
SINGER



AUUM21V

Same as AUUM21 but with exhalation valve.
Boxes of 10 pieces.

FFP1 NR D



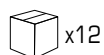
SINGER



AUUM22V

Exhalation valve.
Boxes of 10 pieces.

FFP2 NR D



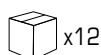
SINGER



AUUM23V

Exhalation valve.
Boxes of 10 pieces.

FFP3 NR D



SINGER

CLASSIC PARTICULATE RESPIRATORS

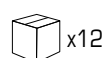
Face-piece respirators. Filters solid and liquid aerosols. Moulded series. Approved to EN149:2001 standard. Passes EN149:2001 optional Dolomite (D) clogging test for more comfortable breathing. Polypropylene outer layer provides smooth lining and avoids loose fibers. Embossed fringe seal avoids fluffy open layer around the edges. Latex-free synthetic rubber double headstrap. Contour design ensures the compatibility of spectacles/goggles and reduces fogging. Soft nose foam and adjustable nosepiece ensures custom shape and increases worker comfort and acceptance



AUUM10SL

Box of 20 pieces.

FFP1 NR D



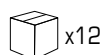
SINGER



AUUM10VSL

With exhalation valve. Box of 10 pieces.

FFP1 NR D



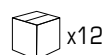
SINGER



AUUM20SL

Box of 20 pieces.

FFP2 NR D



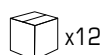
SINGER



AUUM20VSL

With exhalation valve.
Box of 10 pieces.

FFP2 NR D



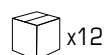
SINGER



AUUM30VSL

With exhalation valve. Buckles adjustment.
Facial foam. Box of 5 pieces.

FFP3 NR D



SINGER

PARTICULATE RESPIRATORS

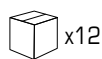
Cool latex-free headstrap for comfortable wearing. Pre-shaped nose cushion and soft closed-cell nose foam ensures a custom shape that increase worker comfort and acceptance. Complies with EN149: 2001 standard. Passes EN149: 2001 optional dolomite (D) clogging test for more comfortable breathing.



AUUMEC10

Box of 20 pieces.

FFP1 NR D



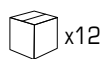
Prosur



AUUMEC20V

Box of 10 pieces.

FFP2 NR D



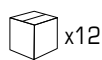
Prosur



AUUMEC30V

Metal free (avoid skin irritations). Continuous loop headstrap design allows to hang the mask around the neck when not in use. Box of 10 pieces.

FFP3 NR D



Prosur

Respiratory protection - Full face masks and cartridges

[RUBBER
OR SILICONE]

MP731R - Face piece in rubber.
MP731S - Face piece in silicone.

External face piece in rubber.
Anti-scratch treated polycarbonate panoramic visor.
Harness made up of 5 easy adjustable straps.
Inside masks with two membranes for easy air circulation and mist prevention. 1 filter carrier (cartridge) with standard En148/1 threading.
Delivered without cartridge.
Delivered in a non-woven bag.

EN136



Technical data

EN136: Respiratory protective devices. Full face masks.
Requirements, testing, marking.

EN140: Respiratory protective devices. Half-masks
and quarter masks.
Requirements, testing, marking.

EN14387: Respiratory protective devices.
Gas filters and combined filters.
Requirements, testing, marking.

These filters are classified in types and classes according
to the use and the filtering capacity.

Type A (brown)		against gas and organic vapours with a boiling point superior to 60°C.
Type B (grey)		against certain gas and inorganic vapours (excluding carbon monoxide).
Type E (yellow)		against sulphur dioxide, other gas, acid vapours.
Type K (green)		against ammonia and organic derivatives of ammonia.

EN143: Filters against particules (solids and liquids).
Classified according to the filter's efficiency
(P1, P2, P3).



References	Type of cartridges EN14387 and/or EN143 For MP731R and MP731S
725A2	A2 cartridge
725P3	P3 cartridge
725A2P3	A2, P3 cartridge
725AB2P3	A2, B2, P3 cartridge
725ABEK2	A2, B2, E2, K2 cartridge
725ABEK2P3	A2, B2, E2, K2, P3 cartridge
725ABEK2HgP3	A2, B2, E2, K2, Hg, P3 cartridge
725K2	K2 cartridge



[SILICONE]

MP732S

External face piece in silicone.
Anti-scratch treated polycarbonate panoramic visor.
Harness made up of 5 easy adjustable straps.
Inside masks with two membranes for easy air circulation and mist prevention. 2 filters carrier.
Delivered without filter. Delivered in a non-woven bag.

EN136



[RUBBER]



DM756C - Rubber half-mask.

DM756S - Silicone half-mask.

Twin filter respirator made of rubber (filters sold separately). Double support system made from a harness attached to the top and back of the head plus an elastic band. This system ensures a safe and perfect fit of the device. Exhalation valve for better breathing.

Delivered with two adaptors and prefilters

EN140



[SILICONE]

References	Type of filters EN14387 and/or EN143 For DM756C, DM756S and MP732S
755A1	A1 filter
755A1P3	A1P3 filter
755ABEK1	ABEK1 filter
755ABEK1P3	ABEK1P3 filter
755P3	P3 filter



Half-mask & filters - Respiratory protection

DM761C

Single filter respirator made of natural rubber (filter sold separately).
Double support system made of a harness attached to the top and back of the head plus an elastic band.
This system will give a safe and perfect fit of the device.
Exhalation valves for better breathing.

Delivered with one adaptor and one prefilter.

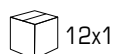
EN140



DMCAG

DM761C evacuation mask with hood.
Filter sold separately.

EN140



[RUBBER]



SACKIT

Carriage bag with belt loop.



References	Type of filters EN141 or EN143 for DM761C
760A1	A1 filter
760ABEK1	ABEK1 filter
760P3	P3 filter



Leather
gloves

501S

COW SPLIT.

Cotton lined palm. Leather fingertips.

Cotton fabric back with leather knuckle patch reinforcement.

Safety rubberized cuff.



3.1.2.2



10x10



10



SINGER



5010RD

COW SPLIT.

Cotton lined palm. Leather fingertips.

Striped cotton fabric back with leather knuckle patch reinforcement. Safety cuff.



10x10



10



Prosur



501SRS

COW SPLIT.

With split reinforcement on palm.

Cotton lined palm. Leather fingertips. Cotton fabric back with leather knuckle patch reinforcement.

Safety rubberized cuff.



3.1.2.2



10x10



10



SINGER



501SYRGV

COW SPLIT.

Yellow colour leather. With grain reinforcement on palm.

Cotton lined palm. Leather fingertips.

Cotton fabric back with leather knuckle patch reinforcement.

Safety rubberized cuff.



3.1.2.2



10x10



10



SINGER



[WITH REINFORCEMENT AND VEIN PATCH PROTECTION.]

501SGRSVJ

COW SPLIT.

With green split reinforcement on palm, thumb and forefinger. Cotton lined palm. Leather fingertips. Cotton fabric back with leather knuckle patch reinforcement. Safety rubberized cuff.



3.1.2.2



10x10



10



SINGER®



[WITH REINFORCEMENT AND VEIN PATCH PROTECTION.]

501RS

COW SPLIT.

With natural split reinforcement on palm, thumb and forefinger. Cotton lined palm. Leather fingertips. Cotton fabric back with leather knuckle patch reinforcement. Soft safety canvas cuff.



3.1.2.2



10x10



10



Prosur



[SOFT GRAIN LEATHER, LEATHER VEIN PATCH PROTECTION.]

501N

COW GRAIN.

Cotton lined palm. Leather fingertips. Cotton fabric back with leather knuckle patch reinforcement. Safety rubberized cuff.



2.1.2.2



10x10



10



SINGER®



502YBCTHB

COW GRAIN

Yellow cow grain leather palm. Straight thumb. With leather vein patch. Fully Thinsulate™ lined. Knitted wrist.



3.2.2.2



2.2.X



10x10



11



SINGER®



Leather gloves - Fine handling



AGN102

SHEEP SKIN LEATHER.
All sheep leather.
Shirred elastic back.



10x10



7, 8, 9, 10



SINGER

[FINENESS AND
ERGONOMICS]



AGN105

SHEEP SKIN LEATHER.
Sheep leather palm.
Cotton interlock back. Shirred elastic back.



10x10



6, 7, 8, 9, 10



SINGER



[SOFTNESS
AND RESISTANCE]

CHV114

GOATSKIN LEATHER.
Full grain goatskin leather. Elastic knitted wrist.
Leather vein patch protection with buttonhole.
Gunn cut.



2.1.2.1



10x10



7, 8, 9, 10, 11



SINGER



CHV561R

GOATSKIN LEATHER.
Grain goatskin leather palm. One piece leather forefinger.
Red cotton interlock back with leather fingertips.
Shirred elastic back. Gunn cut.



2.1.2.1



10x10



6, 7, 8, 9, 10, 11



SINGER



CHV561B

GOATSKIN LEATHER.
Grain goatskin leather palm.
One piece forefinger.
Blue interlock back with leather fingertips.
Elasticated back. Gunn cut.



2.1.2.1



10x10



7, 8, 9, 10



Prosur



Leather gloves - Drivers

56GN

NATURAL COW GRAIN LEATHER.
All grain leather. One piece forefinger.
Shirred elastic back.
Red hem at wrist.



2.1.2.2



10x10



8, 9, 10, 11



SINGER



50F

NATURAL COW GRAIN LEATHER.
All grain.
Shirred elastic back.
Red hem at wrist.



3.1.2.1



10x10



8, 9, 10, 11, 12, 13, 14



Prosur

AVAILABLE IN
VERY LARGE SIZES



56GY

YELLOW COW GRAIN LEATHER.
All grain leather. One piece forefinger.
Shirred elastic back.
Red hem at wrist.



2.1.1.1



10x10



8, 9, 10, 11



SINGER



50EFJ

YELLOW COW GRAIN LEATHER.
All grain. Shirred elastic back.
Red hem at wrist.



3.1.2.1



10x10



8, 9, 10, 11



Prosur



50GB

BEIGE COW GRAIN LEATHER.

All grain. Very soft.

Shirred elastick back.



2.1.2.1



10x10



8, 9, 10, 11



SINGER



50GBBC

BEIGE COW GRAIN LEATHER.

All grain. Very soft. Elastic knitted wrist.

Leather vein patch protection with buttonhole.



2.1.2.1



10x10



8, 9, 10, 11



SINGER



50EFBBC

BEIGE COW GRAIN LEATHER.

All grain. Very soft. Elastic knitted wrist.

Leather vein patch protection with buttonhole.



2.1.2.2



10x10



8, 9, 10, 11



Prosup



56GSN

NATURAL COW GRAIN LEATHER PALM.
Split leather back. One piece forefinger.
Shirred elastic back. Red hem at wrist.



2.1.2.2



10x10



8, 9, 10, 11



SINGER



50FC

NATURAL COW GRAIN LEATHER PALM.
Split leather back.
Shirred elastic back.
Red hem at wrist.



3.1.2.1



10x10



8, 9, 10, 11



Prosur



56S

SPLIT COW LEATHER.
All split. One piece forefinger.
Shirred elastic back.
Red hem at wrist.



3.1.2.2



10x10



9, 10



SINGER





50GHB

COW GRAIN LEATHER PALM.

WATER-REPELLENT.

All grain leather.

Shirred elastic back.



2.1.2.1



10x10



8, 9, 10, 11



SINGER



50HB

COW GRAIN LEATHER PALM.

WATER-REPELLENT.

All grain leather.

Shirred elastic back.



2.1.3.2



10x10



8, 9, 10, 11



SINGER

Leather gloves - Drivers

50GHBBC

COW GRAIN LEATHER PALM. **WATER-REPELLENT.**

All grain leather. Elastic knitted wrist. Leather vein patch protection with buttonhole.



2.1.2.1



10x10



8, 9, 10, 11



SINGER



50HBBC

COW GRAIN LEATHER PALM. **WATER-REPELLENT.**

All grain leather. Elastic knitted wrist. Leather vein patch protection with buttonhole.



2.1.3.2



10x10



8, 9, 10, 11



SINGER



SHIP SKIN LEATHER: FIRST-RATE
COMBINATION OF SOFTNESS
AND RESISTANCE.

CHV114HB

FULL GRAIN GOAT SKIN. **WATER-REPELLENT.**

Elastic knitted wrist.

Leather vein patch protection with buttonhole.



2.1.2.1



10x10



8, 9, 10, 11



SINGER



56GYP

FULL COW GRAIN LEATHER.
Fully cotton fleece lined. Shirred elastic back. One piece leather forefinger. Red hem at wrist.



2.1.1.1



10x10



10, 11



SINGER



56GYPA

FULL COW GRAIN LEATHER.
Fully fur acrylic boa lined. Shirred elastic back. One piece leather forefinger. Red hem at wrist.



2.1.1.1



10x5



10, 11



SINGER



50GHNT

FULL COW GRAIN LEATHER.
Fully Thinsulate® lined.
Water-repellent.
Shirred elastic back.
(Thinsulate® is a trademark of 3M).

[THINSULATE
LINED®]



2.1.2.1



10x10



8, 9, 10, 11



SINGER



51G15

FULL COW GRAIN LEATHER.
Split leather cuff. 15 cm cuff.



2.1.2.1



4.1.3.X.4.X EN12477 TYPE A



5x10



10



SINGER



[SOFTNESS AND
ERGONOMICS]

AGN106

FULL SHEEP SKIN LEATHER.
Fourchettes pattern.
Split leather cuff of 14 cm.



10x10



9, 10



SINGER



[SOFT AND
RESISTANT]

CHV106

FULL GOAT SKIN LEATHER.
Fourchettes pattern.
Split leather cuff of 14 cm.



2.1.2.1



10x10



9, 10



SINGER



51GS10

COW GRAIN LEATHER PALM.
Split leather back and cuff.
10 cm cuff.



2.1.2.1



5x10



10



SINGER



51GS15

COW GRAIN LEATHER PALM.
Split leather back and cuff.
15 cm cuff.



2.1.2.2



4.1.3.X.4.X

EN12477 TYPE A



5x10



10



SINGER



51GS20

COW GRAIN LEATHER PALM.
Split leather back and cuff.
20 cm cuff.



2.1.2.2



4.1.3.X.4.X

EN12477 TYPE A



5x10



10



SINGER



51S15

COW SPLIT.
15 cm cuff.



3.1.2.2 4.1.3.X.4.X EN12477 TYPE A



5x10



10



SINGER 



51EC15

ALL COW SPLIT.
15 cm leather cuff.



3.1.2.2



5x10



10



Prosur 



51EFC15

NATURAL COW GRAIN LEATHER PALM.
Split leather back.
15 cm split leather cuff.



3.1.2.2



5x10



10



Prosur 





Cow split.
Reinforced with a second
layer of leather on palm.
Sewn with aramid
yarn.

All cow split leather.
Reinforced with a second layer of leather
on palm, thumb and forefinger.
Sewn with aramid yarn.



51SOUD

Full cotton lined.
35 cm length.



4.2.1.2 3.1.3.X.4.X EN12477 TYPE A



5x10

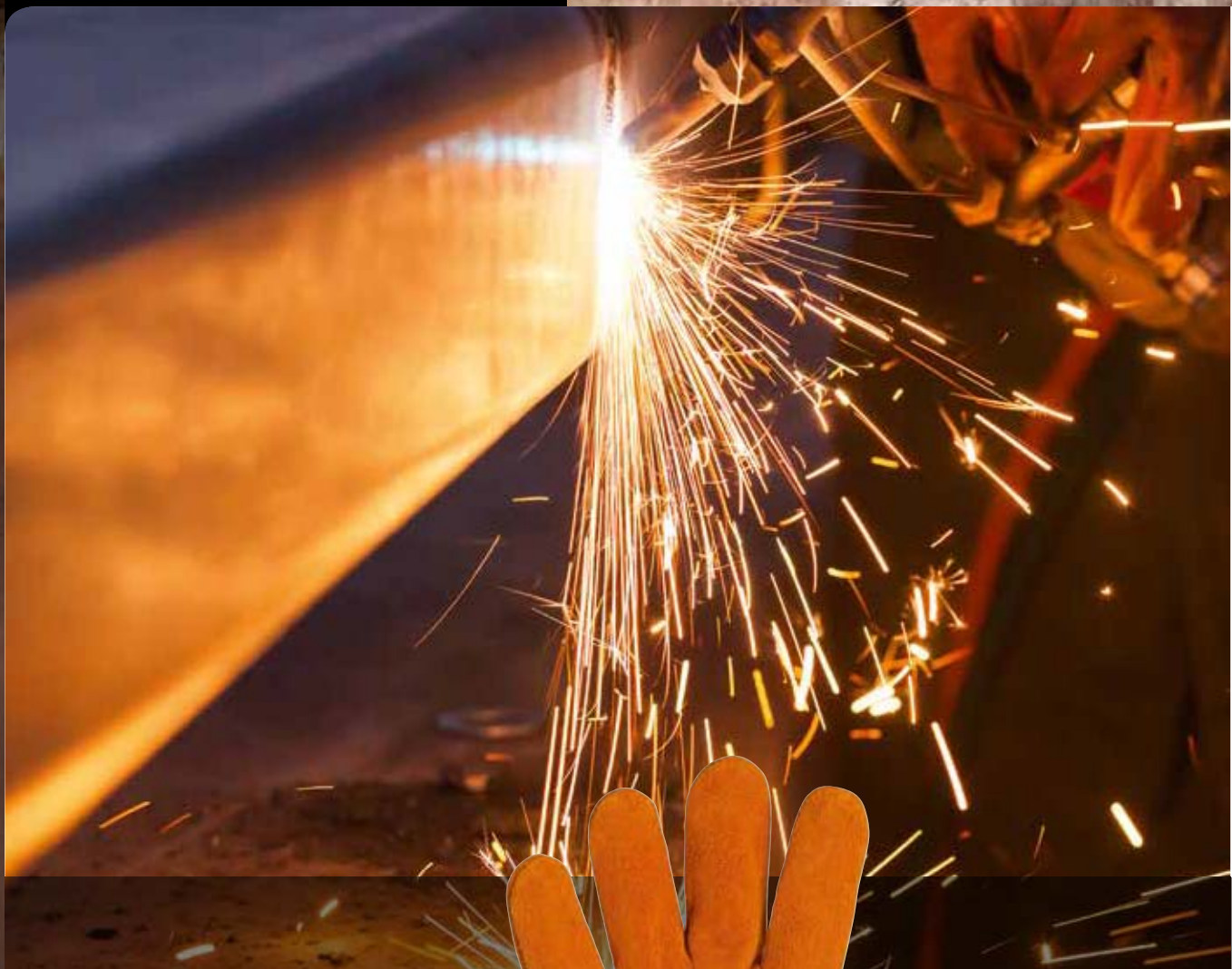


10



SINGER

Leather gloves - Welders



**[FIRE RESISTANT
GLOVES]**

51SIP15

ALL COW SPLIT LEATHER.
FIRE-RESISTANT TREATMENT.
15 cm natural split leather cuff (not
treated). Sewn with aramid yarn. Fully lined.
35 cm length.



4.1.2.2



4.1.X.X.4.X

EN12477 TYPE A



5x10



10



SINGER 



Fully lined for a better heat
insulation.

51SIREP15KV

ALL COW SPLIT LEATHER. ARAMID YARN.
Fully cotton lined.
35 cm length.



3.1.3.3



4.1.4.X.4.X



5x10



10



SINGER®



51SIREP15

ALL COW SPLIT LEATHER. POLYESTER THREAD.
Fully cotton lined.
35 cm length.



3.1.3.3



4.1.4.X.4.X



5x10



10



SINGER®



Also available in left hand only (sold by
piece in that case),

ref **51SIREP15MG**



5x20



10



SINGER®



51SIVP15

ALL COW SPLIT LEATHER. POLYESTER THREAD.
Fully cotton lined.
35 cm length.



3.1.3.3



4.1.4.X.4.X



5x10



10



SINGER®

Nitrile coated - Seamless knitted liner



Nymfit Collection

Liners made from polyamide / Elastane which gives good fit and sensitivity, superior comfort and dexterity.

Soft, foam nitrile coating on palm and polymer dots not only enhances protection but it also provides good wet grip by channeling away excess fluid from the surface. Glove provides good protection in dry handling conditions.



NYMFIT02

Fully coated. Dots on palm.
15 gauge.



4.1.4.1



Nitrile dots
on palm.



10x10



7, 8, 9, 10



SINGER 

NYMFIT00

15 gauge.
Coated palm.
Dots on palm.



4.1.4.1



10x10



7, 8, 9, 10, 11



SINGER



NYMFIT01

15 gauge.
3/4 coated.
Dots on palm.



4.1.4.1



10x10



6, 7, 8, 9, 10



SINGER



NYMFIT03

15 gauge.
Coated palm.
Without dots.



4.1.4.1



10x10



7, 8, 9, 10, 11



SINGER



NYMFIT04

15 gauge.
3/4 coated.
Without dots.



4.1.4.1



10x10



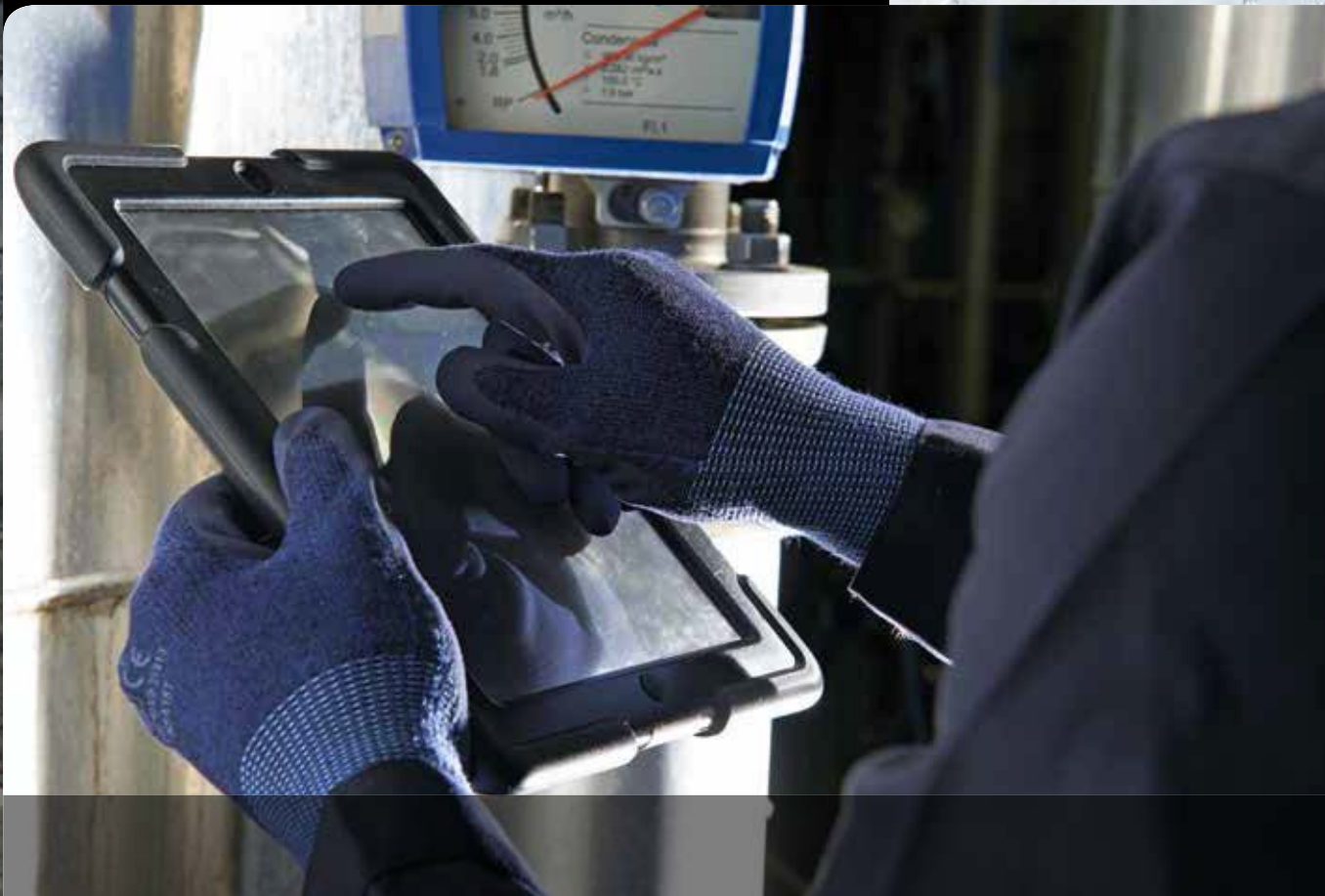
7, 8, 9, 10



SINGER



Nitrile coated - Seamless knitted liner



[SCREEN TOUCH
GLOVE]



NSA15T

COLD SPECIAL
SCREEN TOUCH GLOVE.
Mixed acrylic / polyamid / Spandex liner.
Ventilated back. 15 gauge.
Soft textured nitrile coating on palm.
Knitted wrist. Blue colour.



4.1.2.1



10x10



7, 8, 9, 10, 11



SINGER

NYM213NIF

15 gauge. Seamless knitted liner.
Nitrile foam on palm.
Open back.
Elasticated wrist.
Black colour.



3.1.2.1

[NITRILE
FOAM]



10x10



7, 8, 9, 10



SINGER

NX10

BI-POLYMER.
Seamless knitted glove in polyamide/Spandex mixed fibres.
15 gauge. Bi-polymer knuckle coated: provides unsurpassed softness (PU), durability and resistance against oils (nitrile).
Silicone and DMF free coating. Treated with Actifresh®.



4.1.2.0



10x10



7, 8, 9, 10



NinjaX

NYM13NIG

POLYAMIDE LINER WITH NITRILE COATING.
Open back. 13 gauge. Elasticated wrist.
White colour, grey coating.



4.1.2.1



10x10



6, 7, 8, 9, 10



SINGER

NYM73NIG

POLYESTER LINER WITH NITRILE COATING.
Open back. 13 gauge. Elasticated wrist.
White colour, grey coating.



4.1.2.2



10x10



7, 8, 9, 10



PROSUR

Nitrile coated - Seamless knitted liner

NYM213NIB

POLYAMIDE LINER WITH NITRILE COATING ON PALM.
13 gauge. Elasticated wrist. Black colour.



3.1.2.1



10x10



7, 8, 9, 10, 11



SINGER



NYM13GB

POLYAMIDE LINER. NITRILE COATED ON PALM.
13 gauge. Elasticated wrist. Grey colour; black coated.



3.1.2.2



10x10



7, 8, 9, 10, 11



SINGER



NYM34GB

POLYAMID LINER - NITRILE COATED
3/4 COATED.
15 gauge. Elasticated wrist. Black colour.



4.1.2.1



10x10



8, 9, 10



SINGER



NYM157NB

POLYAMIDE LINER WITH NITRILE COATING.
15 gauge. Elasticated wrist. Black colour. Fully coated.



4.1.2.1



10x10



6, 7, 8, 9, 10, 11



SINGER



Nitrile coated - Seamless knitted liner



Synthetic
gloves



GRIPTOP

NITRILE DOUBLE COATING GLOVE.
POLYAMIDE LINER.
13 gauge. Unique nitrile double coating palm.
One first smooth grey coating with an additional
black foam coating. Knuckle coating version.
Open back (ventilated). Elasticated knitted wrist.



4.1.2.1



10x10



8, 9, 10



SINGER

[DEXTERITY AND
GOOD GRIP]

NBR126

COTTON INTERLOCK LINER.
KNITTED WRIST.
Ultra-light coating.
Open back.



10x10



7, 8, 9, 10



SINGER



NBR1126J

COTTON INTERLOCK LINER.
Knitted wrist.
Ultra-light coating.
Open back.



3.1.1.1



10x10



7, 8, 9, 10



Prosur



NBR226

COTTON INTERLOCK LINER.
Knitted wrist.
Light coating.
Open back.



3.1.1.1



10x10



7, 8, 9, 10



SINGER



NBR1126B

COTTON INTERLOCK LINER.
Knitted wrist.
Ultra-light coating.
Open back.



3.1.1.1



10x10



7, 8, 9, 10



Prosur



NBR227

COTTON INTERLOCK LINER.

Knitted wrist.

Light coating.

Fully dipped.



3.1.1.1



10x10



7, 8, 9, 10



SINGER



NBR426VR

COTTON INTERLOCK LINER.

Knitted wrist.

Heavy coating. Open back.

Terry reinforced between thumb and finger.



4.1.1.1



10x10



9, 10



SINGER

[REINFORCE]



NBR228

COTTON INTERLOCK LINER.

Gauntlet style.

Light coating.

Fully dipped. Length: 27 cm.



3.1.2.1



10x10



7, 8, 9, 10



SINGER



NBR326

COTTON FLEECE LINER.
Knitted wrist.
Heavy coating. Open back.



4.2.2.1



10x10



8, 9, 10



SINGER



NBR9326

COTTON FLEECE LINER.
Knitted wrist.
Heavy coating. Open back.



3.1.1.1



10x10



8, 9, 10



Prosur



NBR1326

COTTON FLEECE LINER.
Knitted wrist.
Heavy coating. Open back.



4.1.1.1



10x10



8, 9, 10



Prosur



NBR327

COTTON FLEECE LINER.

Knitted wrist.

Heavy coating.

Fully dipped.



4.2.2.1



10x10



8, 9, 10



SINGER



NBR9327

COTTON FLEECE LINER.

Knitted wrist.

Heavy coating.

Fully dipped.



3.1.1.1



10x10



8, 9, 10



Prosur



NBR1327

COTTON FLEECE LINER.

Knitted wrist.

Heavy coating.

Fully dipped.



4.1.1.1



10x10



8, 9, 10



Prosur



NBR326T

COTTON FLEECE LINER.
Canvas safety cuff.
Heavy coating.
Open back.



4.2.2.1



10x10



9, 10



SINGER



NBR9326T

COTTON FLEECE LINER.
Canvas safety cuff.
Heavy coating.
Open back.



3.1.1.1



10x10



9, 10



Prosur



NBR327T

COTTON FLEECE LINER.
Canvas safety cuff.
Heavy coating.
Fully coated.



4.2.2.1



10x10



9, 10



SINGER



NIT2018

SPECIAL CLEANING IN AGGRESSIVE ENVIRONMENTS.

Nitrile. Cotton flock-lined. Embossed diamond pattern on palm and fingers for better grip. Length: 330 mm (*).

Thickness: 0,45 mm (*).



3.1.0.2

A.J.L



10x10



7, 8, 9, 10, 11



SINGER

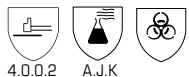


NIT2040

SPECIAL CLEANING IN AGGRESSIVE ENVIRONMENTS.

Nitrile. Cotton flock-lined. Embossed diamond pattern on palm and fingers for better grip. Length: 410 mm (*).

Thickness: 0,52 mm (*).



4.0.0.2

A.J.K



10x10



8, 9, 10, 11



SINGER



NIT15

SPECIAL CLEANING IN AGGRESSIVE ENVIRONMENTS.

Nitrile. Cotton flock-lined. Embossed diamond pattern on palm and fingers for better grip. Length: 330 mm (*).

Thickness: 0,38 mm (*).



4.1.0.1

A.J.K.L



10x10



7, 8, 9, 10, 11



SINGER



(*). Average values

Neoprene flocklined - With liner



MULTI-RISK
CHEMICAL / COLD / WARM

Unique and original!
Equipped with an acrylic
terry lining for a good
insulation protection
(cold / heat).



NE05040

SPECIAL CLEANING IN AGGRESSIVE ENVIRONMENTS.
Polychloroprene. Embossed diamond pattern
on palm and fingers for better grip.

With acrylic terry lining.

Length: 380 mm (*). Thickness: 0.68 mm (*).



3.1.1.1



A.K.L



0.1.X



X.2.X.X.X.X



5x10



8, 9, 10



SINGER

NE01830

NEOPRENE FLOCKLINED.

Fully dipped on a polyester/cotton

Knitted liner. Length: 300 mm (*). Two colours: black/blue.



4.2.3.2



A.K.L



10x10



8, 9, 10



SINGER



(*). Average values

NE0400

SPECIAL CLEANING IN AGGRESSIVE ENVIRONMENTS.

Polychloroprene. Cotton flock-lined.

Embossed diamond pattern on palm and fingers for better grip. Length: 330 mm (*).

Thickness: 0.68 mm (*).



3.1.1.1 A.K.L



10x10



7, 8, 9, 10, 11



SINGER



NE0270

SPECIAL CLEANING IN AGGRESSIVE ENVIRONMENTS.

Mixed latex/polychloroprene. Cotton flock-lined.

Embossed diamond pattern on palm and fingers for better grip. Length: 320 mm (*).

Thickness: 0.68 mm (*).



2.0.1.1 A.K.L



10x10



7, 8, 9, 10



SINGER



NE02040

SPECIAL CLEANING IN AGGRESSIVE ENVIRONMENTS.

Neoprene. Cotton flock-lined. Embossed diamond

pattern on palm and fingers for better grip.

Length: 410 mm (*).

Thickness: 0.68 mm (*).



3.1.1.1 A.K.L



10x10



8, 9, 10, 11



SINGER



(*). Average values

Foam latex coated - Seamless knitted liner



Latex foam
coated



100% acrylic
inner layer.

Snowflex collection

Force Technologie Innovation

The gloves are machine knitted liners made of two layers. Outer layer is 100% polyamide with soft, textured natural rubber coating and inner layer is 100% acrylic. Soft foam natural coating not only enhances protection but it also provides good wet grip by channeling away excess fluid from the surface. Glove provides excellent comfort, dexterity and good protection against abrasion and tear in dry handling conditions.

SNOWFLEX

Fully coated.



3.2.2.2



X.2.X



10x10



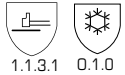
9, 10, 11



SINGERO

TAC10RED

ACRYLIC LINER.
SOFT FOAM LATEX COATING ON PALM.
Special long elastic knitted wrist.
10 gauge. The inside surface is a brushed terrycloth.



1.1.3.1 0.1.0



10x10



8, 9, 10, 11



SINGER

TAC10GB

MIXED ACRYLIC/COTTON/
POLYESTER TERRY LINER.
Crinkle latex coating on palm.
Knitted wrist. 10 gauge.



2.2.4.1 0.1.X



10x10



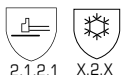
8, 9



SINGER

TAC10GT

ACRYLIC LINER.
CRINKLE LATEX COATING ON PALM.
Special long elastic knitted wrist
10 gauge. The inside surface is a brushed terrycloth.



2.1.2.1 X.2.X



10x10



8, 9, 10, 11



SINGER

TAC1025V

POLYESTER/COTTON LINER.
Knitted wrist.
Crinkle latex coating on palm.
10 gauge.



3.1.4.1



10x10



8, 9, 10



SINGER 



TAC10250

POLYESTER/COTTON LINER.
Knitted wrist.
Crinkle latex coating on palm.
10 gauge.



3.1.4.1



10x10



8, 9, 10



SINGER 



TAC10110

POLYESTER/COTTON LINER.
Crinkle latex coating on palm.
Knitted wrist.
Fully coated thumb.
10 gauge.



2.1.4.2



10x10



7, 8, 9, 10



SINGER 



TAC20BL

POLYESTER LINER WITH LATEX COATING.
Elasticated wrist.
10 gauge. 3/4 coated. Blue Colour.



3.1.4.2



10x10



8, 9, 10



SINGER



TAC10BL

POLYESTER LINER WITH LATEX COATING.
Elasticated wrist.
10 gauge. Open back. Blue Colour.



3.1.4.2



10x10



7, 8, 9, 10



SINGER



TAC700

POLYESTER/COTTON LINER
WITH MIXED LATEX / NITRILE
COATING ON PALM.
Elasticated wrist. 10 gauge.
Natural colour liner with
blue colour coating.



MR



10x10



9, 10



Prosur



[HIGH VISIBILITY LINING]

NYM15HVG

POLYAMIDE LINER WITH LATEX COATING.
Elasticated wrist.
15 gauge. Yellow Colour, black coating.



3.1.3.1



10x10



8, 9, 10



SINGER



[HIGH VISIBILITY LINING]

NYM73HVN

POLYESTER LINER WITH LATEX COATING.
Elasticated wrist.
13 gauge. Yellow colour, black coating.



3.1.3.1



10x10



8, 9, 10, 11



Prosur



[LIGHT HANDLING]

NYM73LN

POLYESTER LINER WITH LATEX COATING.
Elasticated wrist.
13 gauge. Black colour.



3.1.3.1



10x10



9, 10, 11



Prosur



[HEAVY WORK]

TAP7325

ACRYLIC/POLYESTER LINER.
Thick laminated latex coating on palm.
Rubber reinforcement between thumb and forefinger. 7 gauge.



4.2.4.3



10x10



8 (L), 9 (XL)



SINGER



Latex coated - Seamless knitted liner



Synthetic
gloves



[LIGHT HANDLING
IN DRY ENVIRONMENTS]

NYM15LG

POLYAMIDE LINER WITH LATEX COATING.
Elasticated wrist.
15 gauge. Red colour, grey coating.



3.1.3.1



10x10

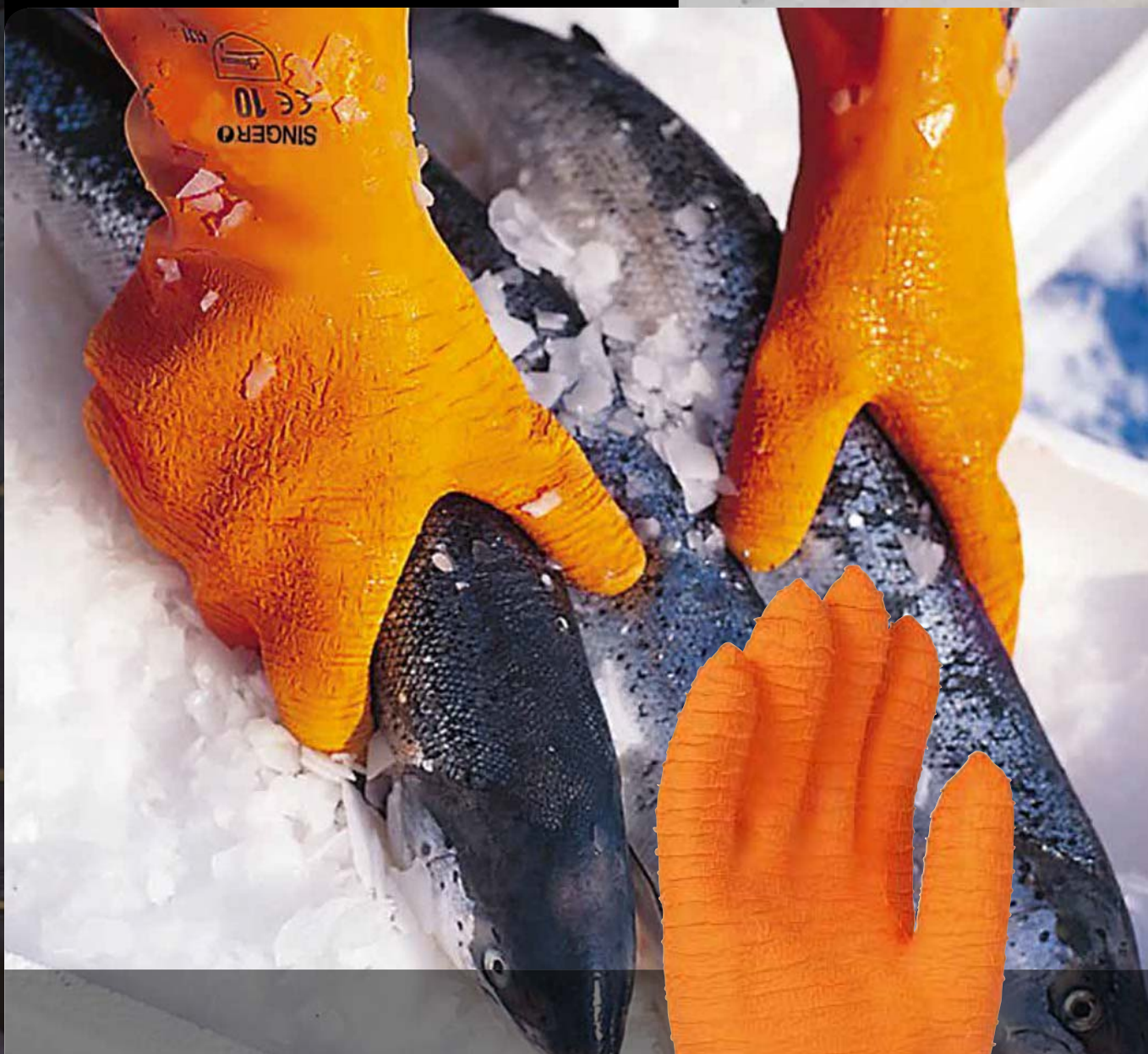


8, 9, 10, 11



SINGER 

Latex coated - Cut and sewn liner



LAT830

FULLY DIPPED 31 CM.

Crinkle finish palm.

Cotton interlock liner:



4.1.3.1



A.K.L



X.2.X.X.X.X



5x10



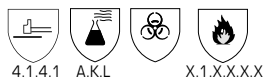
7, 8, 9, 10



SINGER

LAT3130

FULLY DIPPED 30 CM.
Rough finish palm.
Cotton interlock liner.



SINGER



LAT2130

FULLY DIPPED 30 CM.
Smooth finish.
Cotton interlock liner.



SINGER



LAT4261G

OPEN BACK.
Knitted wrist.
Interlock cotton liner.
Crinkle finish palm.



SINGER

**[CRINKLE
FINISH]**



Synthetic
gloves

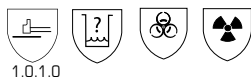
LAT2005

SPECIAL CLEANING.

Natural latex. Cotton flock-lined.

Embossed diamond pattern on palm and fingers for better grip.

Length: 300 mm (*). Thickness: 0.45 mm (*).



10x10



7, 8, 9, 10



SINGER



LATCLARA

Natural latex. Cotton flock-lined.

Embossed diamond pattern on palm and fingers for better grip. Cotton flock-lined.

Length: 300 mm (*). Thickness: 0.30 mm (*).



10x10



7, 8, 9, 10



SINGER



LATLENA

Embossed diamond pattern on palm and fingers.

Natural latex. Cotton flock-lined.

Length: 305mm (*). Thickness: 0.30 mm (*).



12x12



7, 8, 9, 10



Prosur



(*). Average values

LAT2004

Natural latex. Unlined.
Embossed diamond pattern on palm and fingers
for better grip.
Length: 280 mm (*). Thickness: 0.39 mm (*).



3.0.0.0



10x10



7, 8, 9, 10



SINGER



FOR ELECTRICIANS.
Natural latex. Unlined.
(only for the protection against electric discharges).

Reference	Tested to	Tension of use	Class
LAT1025	2500 V	500 V	00
LAT1050	5000 V	1000 V	0
LAT1100	10000 V	7500 V	1
LAT1200	20000 V	17000 V	2
LAT1300	30000 V	26500 V	3



x1



9, 10



LAT460

SPECIAL SANDBLASTING.
Unlined 600 mm latex glove.
Palm and back of the hand
with crinkle finish.
Smooth cuff.
Rolled cuff. Beige colour.



1.1.4.1



30x1



11



SINGER



Synthetic
gloves

P.V.C coated - Seamless knitted liner



H.P.T™ technology



CFT: **C**ompressed **F**ormula **T**echnology. HPT™ (Hydropellent Technology™) coating. Creates a spongy, soft, durable, flexible coating that repels liquids to provide a firm wet or dry grip. Encapsulated air molecules provide an inherent vibration absorption feature.

NYMR15CFTN

POLYAMIDE LINER WITH
PVC CFT HPT™ TECHNOLOGY COATING.
15 gauge. Elasticated wrist.



4.1.3.1



10x10



8, 9, 10



SINGERO

NYMV15CFTN

Polyamide liner with PVC
CFT HPT™ TECHNOLOGY coating.
15 gauge. Elasticated wrist.



4.1.3.1



10x10



8, 9, 10



SINGER

NYMR15D

Polyamide liner with PVC
CFT HPT™ TECHNOLOGY coating.
P.V.C dots on palm.
15 gauge. Elasticated wrist.



4.1.3.1



10x10



8, 9, 10



SINGER

NYM18CFT

Polyamide liner with PVC
CFT HPT™ TECHNOLOGY coating.
Ultra light 18 gauge. Knitted wrist.



3.1.2.1



10x10



8, 9, 10



SINGER

NINJA ICE

Double layer conception



N100

Two-layers insulated liner provides warmth with uncompromising flexibility.
15 gauge. Warm brushed lining.
Knitted wrist. The unique formulation coating remains soft and flexible in temperature as low as -50°C.
Treated with Actifresh®.



3.2.3.2



0.2.X

ASTM/CPPT:
Cut level 2



10x5



7, 8, 9, 10, 11, 12



N10

Polyamide seamless knitted glove. 15 gauge.
HPT™ coating (Hydropellent Technology). Knuckle coated.
Elasticated wrist. Treated with Actifresh®.



4.1.3.1



10x10



7, 8, 9, 10



Special coating,
HPT™ technology.





Synthetic
gloves

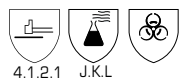
PVC dipped - Seamless knitted liner

FULLY TRIPLE DIPPED.

100% COTTON FLEECE SEAMLESS LINER. SANDY FINISH PALM.

PVC525K

25 cm length.



5x10



8, 8 1/2, 9, 9 1/2



SINGER



PVC530K

30 cm length.



5x10



8, 8 1/2, 9, 9 1/2



SINGER



PVC535K

35 cm length.



5x10



8, 8 1/2, 9, 9 1/2



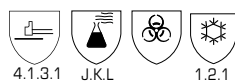
SINGER



[SPECIAL
LOW TEMPERATURES]

PVCKREM

Fully dipped on a seamless knitted liner.
Triple dipped. 30 cm length. Sandy finish palm.
Smooth finish gauntlet. Removable acrylic/wool
fur lining for easy washing and drying.
Blue colour.



5x10



10



SINGER

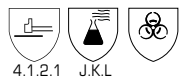


FULLY DOUBLE DIPPED.

100% COTTON FLEECE LINER. SANDY FINISH PALM.

PVC3028

27 cm length.



5x10



7 ½, 8 ½, 9 ½



SINGER



PVC3040

35 cm length.



5x10



8 ½, 9 ½

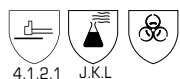


SINGER



PVC3045

40 cm length.



5x10



9 ½



SINGER



[SPECIAL
LOW TEMPERATURES]

PVC3528F

DOUBLE DIPPED ON STRETCH LINER.

27 cm length.



5x10



9 ½



SINGER



Double dipped. Special
low temperatures!



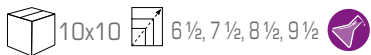
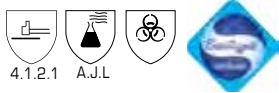
PVC dipped - Cut and sewn liner

FULLY SIMPLE DIPPED.
100% COTTON INTERLOCK LINERS.



PVC528

Rough finish. 27 cm.



SINGER



PVC728

Smooth finish. 27 cm.

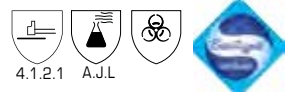


SINGER



PVC536

Rough finish. 35 cm.



SINGER





PVC736

Smooth finish. 35 cm.



SINGER



PVC740

Smooth finish. 40 cm.

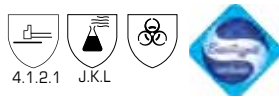


SINGER



PVC755

Smooth finish. 58 cm.

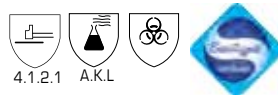


SINGER



PVC775

Smooth finish. 72 cm.



SINGER



PVC726

OPEN BACK
smooth finish.
100% cotton
interlock liner.



SINGER



PVC5201

OPEN BACK
smooth finish.
100% cotton
interlock liner.



Prosur



PVC5227

PVC GLOVES
smooth finish.
27 cm - Fully dipped.



Prosur



PVC5235

PVC GLOVES
smooth finish.
35 cm - Fully dipped.



Prosur

NL00

18 GAUGE.

Ultra light blue polyamide shell for second skin sensitivity. PU coated palm. Approximately 30% lighter than traditional polyamide/PU gloves providing unparalleled tactile sensitivity. Open back. Coated fingertips version. Elasticated wrist.



3.1.2.0



10x10



7, 8, 9, 10



Ninja Lite



NL10

18 GAUGE.

Ultra light blue polyamide shell for second skin sensitivity. PU coated palm. Approximately 30% lighter than traditional polyamide/PU gloves providing unparalleled tactile sensitivity. Open back. Knuckle coated version. Elasticated wrist.



3.1.2.0



10x10



9, 10, 11



Ninja Lite



Nymflex

MIXED POLYAMIDE/ACRYLIC FLEECE LINER WITH POLYURETHANE COATING.

Elasticated wrist. Glove store heat to help regulate warmth in dry environments.

Gloves are very soft and comfortable.



3.2.4.1



0.2.0



10x10



8, 9, 10, 11



SINGER



NYM213PU

POLYAMIDE LINER WITH POLYURETHANE COATING.

Elasticated wrist.

13 gauge.



4.1.3.1



10x10



7, 8, 9, 10



SINGER



NYM713PU

POLYESTER LINER WITH POLYURETHANE COATING.

Elasticated wrist.

13 gauge.



3.1.3.1



10x10



6, 7, 8, 9, 10, 11



Prosur



NYM13F

POLYAMIDE LINER WITH POLYURETHANE COATING.

Elasticated wrist.

13 gauge.

Polyurethane coating on fingertips.



0.1.3.X



10x10



6, 7, 8, 9, 10



SINGER



PU coated - Seamless knitted liner



NYM15PUG

POLYAMIDE LINER WITH POLYURETHANE COATING.
Elasticated wrist.
15 gauge.



4.1.3.1



10x10



7, 8, 9, 10, 11



SINGER



NYM213PUG

POLYAMIDE LINER WITH POLYURETHANE COATING.

Elasticated wrist

13 gauge.



4.1.3.1



10x10



7, 8, 9, 10, 11



SINGER



NYM713PUG

POLYESTER LINER WITH POLYURETHANE COATING.

Elasticated wrist.

13 gauge.



3.1.3.1



10x10



6, 7, 8, 9, 10, 11



Prosur



NYM713PUB

POLYESTER LINER WITH POLYURETHANE COATING.

Elasticated wrist

13 gauge.



3.1.3.1



10x10



7, 8, 9, 10, 11



Prosur



SGD10PUG

CUT LEVEL 5 (EN388).

Liner made of HDPE (High Density Polyethylene) fibres and glass fibres. Grey polyurethane coating on palm. 10 gauge. Elasticated wrist. Cut index 51.6 namely more than 2 times the minimum index required by the standard EN388 (index 20 is required to obtain the level 5).



ASTM/CPPT:
Cut level 3

4.5.4.4



10x1



7, 8, 9, 10, 11



SINGER

NSPOO

CUT LEVEL 5 (EN388).

Seamless knitted glove. 13 gauge. Glass and Lycra fibers liner, wrapped with HDPE and polyamide thread. Polyurethane coating on palm and fingertips. Open back. Elasticated wrist. High mechanical resistances.



ASTM/CPPT:
Cut level 3

4.5.4.3



10x10



7, 8, 9, 10



Ninja
Silver

LONG KNITTED WRIST.
UNIQUE REINFORCED SEAM BETWEEN
THE THUMB AND THE FOREFINGER.

PHD305PU

CUT LEVEL 5 (EN388).

Liner made of HDPE fibers (High Density Polyethylene) and other fibers. Hard-wearing material reinforcement between thumb and forefinger. Polyurethane coated on palm. 13 gauge. Open back. Long knitted wrist.



4.5.4.3



10x10



8, 9, 10, 11



SINGER

Cut resistant - Seamless knitted liner



Synthetic
gloves



VERY SOFT AND
COMFORTABLE

PHD135PU

CUT LEVEL 5 (EN388).

HDPE liner (High Density Polyethylene).
13 gauge. Knitted wrist.
Polyurethane coated palm. Open back.



4.5.4.3



10x10



6, 7, 8, 9, 10, 11



SINGER

Cut resistant - Seamless knitted liner



PHD5PU

CUT LEVEL 5.

Grey colour. HDPE fibres liner (High Density Polyethylene).
Polyurethane coated palm.
13 gauge. Elasticated wrist.



4.5.4.2



10x10



7, 8, 9, 10, 11



SINGER



PHD315PU

CUT LEVEL 5.

Liner made of HDPE fibers (High Density Polyethylene).
13 gauge. Knitted wrist.
Polyurethane coated palm.



4.5.4.3



10x10



6, 7, 8, 9, 10, 11



Prosol

Cut resistant - Seamless knitted liner

[LATEX
COATED]



PHD5LAT

CUT LEVEL 5.

HDPE fibres liner (High Density Polyethylene). Crinkle latex coated palm.
13 gauge.
Elasticated wrist.



3.5.4.2



10x10



9, 10, 11



SINGER®

[NITRILE
COATED]



PHD5NIF

CUT LEVEL 5.

HDPE fibres liner (High Density Polyethylene). Nitrile foam coated palm.
13 gauge. Elasticated wrist.



4.5.4.2



10x10



8, 9, 10, 11



SINGER®

Synthetic
gloves

Cut resistant - Seamless knitted liner



**INNOVATION
DOUBLE LAYER GLOVE
NITRILE**

GRIPCUT®

CUT LEVEL 5.

Liner made of HDPE high tenacity fibres.
(High density polyethylene HDPE).
Unique nitrile on double coating palm.
1st layer in flat nitrile (knuckle coating).
2nd layer in nitrile foam, which offer excellent
grip in wet and dry conditions. ¾ coating version.
13 gauge. Elasticated knitted wrist.



4.5.4.3



Double coating
Flat nitrile + nitrile foam.



10x10



8, 9, 10, 11



SINGER®

Cut, chemical and heat protections - Unique pattern



Synthetic
gloves

**MULTI-RISKS GLOVE,
MULTI-LAYER**

NITCUT®

CUT LEVEL 5.

The outer layer of high density polyethylene (HDPE) provides excellent protection against mechanical risks. The insertion of an intermediate layer in nitrile provides protection against certain chemicals. The inner layer of cotton, associated to the other layers, allows protection against contact heat. Finally, the palm of the glove is coated with nitrile dots for enhanced grip.



4.5.4.4



A.K.L



X.2.X.X.X.X



Nitrile
dots on palm.



12x6



9, 10



SINGER

Cut and cold protections - Seamless knitted liner



[CUT PROTECTION
PROTECTION
AGAINST COLD]

SNOWCUT®

CUT LEVEL 5.

DOUBLE LAYER CONCEPT

Liner made of HDPE fibers

(High Density Polyethylene)

Internal layer made of 100% acrylic terry.

10 gauge. Elasticated wrist.

Nitrile foam coating on palm.

Open back.



4.5.4.2



X.1.X



Fully lined
with a double
layer of acrylic
terry.



5x10



8, 9, 10, 11



SINGERO 

TSP613

CUT LEVEL 5.

HDPE (High Density Polyethylene) liner.
13 gauge. White colour. Ambidextrous. Elasticated wrist.
Delivered with an inner cotton glove. **Sold by piece.**



ASTM/CPPT:
Cut level 3



10x1



6, 7, 8, 9, 10



SINGER



Delivered with an inner cotton glove.

TKV345^(*)

CUT LEVEL 5.

10 gauge. Blended fibres: Kevlar®, steel and other fibres. Soft rubber knuckle coated. Elasticated wrist.



4.5.4.4



X.2.X.X.X.X



10x10



8, 9, 10



SINGER



TKV105^(*)

CUT LEVEL 5.

10 gauge. Blended fibres: Kevlar®, steel and other fibres. Soft rubber coating on palm. Elasticated wrist.



4.5.4.4



X.2.X.X.X.X



10x10



8, 9, 10, 11



SINGER



TKV10LAT^(*)

CUT LEVEL 4.

10 gauge. Kevlar® liner.
Blue rubber coating on palm.
Elasticated wrist.



3.4.4.3



10x10



8, 9, 10



SINGER



^(*) Made from real Kevlar® fibers, registered trademark of DUPONT™ de Nemours

Cut resistant - Seamless knitted liner



Layer made of 100% cotton to offer comfort and insulation

[KEVLAR®]

TKV7P^(*)

CUT LEVEL 5.
CONTACT HEAT LEVEL 3.

7 gauge. Knitted glove made of two layers.
Outside layer made of 100% Kevlar®.
Inside layer made of 100% cotton to assist in ventilation, comfort and insulation.
Reversible. 34 cm length.



2.5.4.1



4.3.4.3.2.X.

ASTM/CCPT:
Cut level 4



50x1



11



SINGER[®]



TKV10NIG^(*)

CUT LEVEL 4.

10 gauge. Kevlar® liner.
Nitrile coating on palm.
Elasticated wrist.



4.4.4.3

ASTM/CCPT:
Cut level 2



10x10



8(M), 9(L), 10(XL)



SINGER[®]



TKV10HBKL^(*)

CUT LEVEL 3.

10 gauge. Kevlar® liner.
Black PVC dots on palm.
Elasticated wrist.



2.3.4.3



X.1.X.X.X.X.

ASTM/CCPT:
Cut level 2



10x10



L



SINGER[®]



^(*) Made from real Kevlar fibers, registered trademark of DUPONT™ de Nemours

NFB10B

[BI-POLYMER]

CUT LEVEL 4.

Glass fibres mixed with other synthetic fibres.
BI-POLYMER coated palm (PU/nitrile).
Elasticated wrist. (Provides unsurpassed softness and durability). 10 gauge.



4.4.3.2



10x10



6, 7, 8, 9, 10, 11



SINGER 

NX410

[BI-POLYMER]

CUT LEVEL 4.

Seamless knitted glove made of wrapped synthetic and glass fibres. 13 gauge. High mechanical resistance, cut level 4. Bi-polymer knuckle coated: provides unsurpassed softness (PU), durability and resistance against oils (nitrile).
Silicone free and DMF free coating.
Treated with Actifresh®.



4.4.3.2

ASTM/CPPT:
Cut level 2



10x10



6, 7, 8, 9, 10



Ninja 

NX430

[BI-POLYMER]

CUT LEVEL 4.

Seamless knitted glove made of wrapped synthetic and glass fibres. 13 gauge. High mechanical resistance, cut level 4. Bipolymer fully coated: provides unsurpassed softness (PU), durability and resistance against oils (nitrile). Silicone free and DMF free coating.
Treated with Actifresh®.



4.4.3.2

ASTM/CPPT:
Cut level 2



10x10



7, 8, 9, 10, 11



Ninja 



DYN133GPUG

CUT LEVEL 3.

HDPE fibres liner (High Density Polyethylene).
Polyurethane coating. 13 gauge. Elasticated wrist.
Grey colour.



4.3.4.3 ASTM/CPPT:
Cut level 2



10x10



6, 7, 8, 9, 10, 11



SINGER



PHD13PU

CUT LEVEL 3.

HDPE fibres liner (High Density Polyethylene).
Polyurethane coating. 13 gauge. Knitted wrist.
Grey colour.



4.3.4.3



10x10



6, 7, 8, 9, 10, 11



SINGER



PHD3PU

CUT LEVEL 3.

HDPE fibres liner (High Density Polyethylene).
Polyurethane coated palm. 13 gauge. Knitted wrist.
Grey colour.



4.3.4.2



10x10



7, 8, 9, 10, 11



SINGER



PHD313PU

CUT LEVEL 3.

Grey colour. Liner made of HDPE fibers (High Density Polyethylene)
Polyurethane coating on palm.
Open back. 13 gauge. Elasticated wrist.



4.3.4.3



10x10



6, 7, 8, 9, 10, 11



Prosur

P.V.C dotted - Seamless knitted liner

TCC507HB TCC507FB

[AMBIDEXTROUS]

POLYESTER/COTTON.

7 gauge. Knitted wrist.
Two sided blue PVC dots.



1.1.3.1



10x10



Men's: TCC507HB
Ladies: TCC507FB



SINGER



TCC207HB TCC207FB

[AMBIDEXTROUS
RECYCLED FIBRES]

POLYESTER/COTON.

7 gauge. Knitted wrist. Blue colour.
Two-sided blue PVC dots.



1.1.3.1



10x10



Men's: TCC207HB
Ladies: TCC207FB



PROSUR



TCC513HB TCC513FB

[AMBIDEXTROUS]

POLYESTER/COTON.

13 gauge. Ambidextrous. Elasticated wrist.
Two sided blue PVC dots.



1.1.4.2



10x10



Men's: TCC513HB
Ladies: TCC513FB



SINGER



TBC

[SPECIAL
COLD]

ACRYLIC.

With interior warm terry lining.
Elasticated wrist.
Blue PVC dots on palm. 13 gauge.

Rubber coating reinforcement between thumb and forefinger.



0.1.2.1



X.1.X



10x10



6, 7, 8, 9, 10



SINGER



NYM1344BD

STRETCH NYLON.

Blue PVC dots on palm.

Elasticated wrist.

13 gauge.



3.1.4.1



10x10



8, 9, 10



SINGER



NYM13214

STRETCH NYLON/COTTON.

Plaited: stretch nylon outer, cotton inner.

Blue PVC dots on palm.

Elasticated wrist.

13 gauge.



2.1.4.1



10x10



S(7.5), M(8),
L(8.5), XL(9)



SINGER



NYM7241

STRETCH NYLON/COTTON.

Plaited: stretch nylon outer, cotton inner.

Red PVC dots on palm.

Elasticated wrist.

7 gauge.



2.2.4.1



10x10



M(9), L(10),
XL(11)



SINGER



TC507HB TC507FB

POLYESTER/COTTON.

Elasticated wrist.
Blue PVC dots on palm. 7 gauge.



1.1.3.1



10x10



Men's: TC507HB
Ladies: TC507FB



SINGER



TC207HB TC207FB

POLYESTER/COTTON.

Knitted wrist. Blue colour.
Blue PVC dots on palm. 7 gauge.



1.1.3.1



10x10



Men's: TC207HB
Ladies: TC207FB



**RECYCLED
FIBRES**

Prosur



TC510HB TC510FB

POLYESTER/COTTON.

Elasticated wrist.
Blue PVC dots on palm. 10 gauge.



1.1.3.1



10x10



Men's: TC510HB
Ladies: TC510FB



SINGER



PCC600 PCC60008

P.V.C CRISS-CROSS.

Ambidextrous. Acrylic/polyester fibres.
Double side. PVC crossing.
7 gauge.
Elasticated wrist.



1.1.3.1



10x10



Men's: PCC600
Ladies: PCC60008



SINGER



Flexible and resistant, the Mechanics gloves are adapted for many activities: operating machines, handling objects, sports, leisure...

Through the choice of quality materials and excellent workmanship, the mechanics gloves are particularly comfortable and adapt ideally to the contours of the hand. They guarantee excellent dexterity to the user. The various forms of reinforcement on the palm ensure a longer life and excellent protection.



MC6021

Palm: 65% nylon, 35% PU.

Back: 97% polyester, 3% Spandex.

Polyester self-grip adjustment at wrist.



2.1.1.1



10x1



8, 9, 10



SINGER



MC6022

Palm: 65% nylon, 35% PU.

Back: 97% polyester, 3% Spandex.

Polyester self-grip adjustment at wrist.



2.1.1.1



10x1



8, 9, 10



SINGER

NYM13440

STRETCH NYLON.

Ambidextrous. Elasticated wrist.
13 gauge.



1.1.4.2



10x10



M(9), L(10), XL (11)



SINGER



NYM13DME

STRETCH NYLON.

Same as NYM13440 but lighter weight.
13 gauge. Ambidextrous. Elasticated wrist.



0.1.4.1



10x10



6, 7, 8, 9, 10



SINGER



THR713

MIXED COOLMAX®/ELASTANE.

Ambidextrous. Elasticated wrist.
Coolmax® is a brand of Invista.
13 gauge.



2.1.2.1



0.1.X



X.1.X.X.X.X



10x10



One size only



SINGER



NY100

NYLON.

White nylon with hemmed cuff.
Fourchettes pattern.



MR

Minor risks



30x10



6, 7, 8, 9, 10, 11, 12



SINGER



JB135

BLEACHED COTTON INTERLOCK.

[FINE HANDLING]

35 cm length. Fourchettes pattern. Hemmed cuff.



30x10



12



SINGER



JB100

BLEACHED COTTON INTERLOCK.

Fourchettes pattern. Hemmed cuff.



30x10



6, 7, 8, 9, 10, 12



SINGER



JBP100SW

BLEACHED COTTON INTERLOCK.

Fourchettes pattern. Hemmed cuff.



30x10



6, 7, 8, 9, 10, 12



Prosur



JB100PC

BLEACHED COTTON INTERLOCK.

Fourchettes pattern.
Micro white PVC dots on palm. Hemmed cuff.



30x10



7, 8, 9, 10



SINGER



Natural interlock cotton - Cut and sewn

**JE200H
JE200F**

**[HEAVY
FINISH]**

NATURAL INTERLOCK COTTON.

Two-piece reversible style. Hemmed cuff.



30x10



Men's (10) : JE200H
Ladies (8) : JE200F



SINGER



**JE300H
JE300F**

**[HEAVY
FINISH]**

NATURAL INTERLOCK COTTON.

Two-piece reversible style. Knitted wrist.



30x10



Men's (10) : JE300H
Ladies (8) : JE300F



SINGER



**JE300HL
JE300FL**

**[LIGHT
FINISH]**

NATURAL INTERLOCK COTTON.

Same as
JE300H / JE300F
but light version.



30x10



Men's (10) : JE300HL
Ladies (8) : JE300FL



Prosur



**JE300HSL
JE300FSL**

**[SUPER LIGHT
FINISH]**

NATURAL INTERLOCK COTTON.

Same as
JE300 H / JE300F
but super light version.



30x10



Men's (10) : JE300HSL
Ladies (8) : JE300FSL



Prosur



**400JE
400JEF**

BRUSHED COTTON JERSEY.

Knitted wrist.



30x10



Men's (10) : 400JE
Ladies (8) : 400JEF



SINGER



**400JM
400JMF**

BRUSHED COTTON JERSEY.

Knitted wrist.



30x10



Men's (10) : 400JM
Ladies (8) : 400JMF



SINGER



Cotton terrygloves - Cut and sewn

700BM

COTTON TERRY.

Terry, medium weight. Knitted wrist.



1.1.3.1 X.1.X.X.X.X



10x10



10



SINGER



700BM15BM

COTTON TERRY.

Terry, medium weight. 15 cm terry cuff.



1.1.3.1 X.1.X.X.X.X



10x10



10



SINGER



700BM15T

COTTON TERRY.

Terry, medium weight. 15 cm canvas cuff.



1.1.3.1 X.1.X.X.X.X



10x10



10



SINGER



700BL

COTTON TERRY.

Terry, heavy weight. Knitted wrist.



1.1.3.1 X.1.X.X.X.X



10x10



10



SINGER



700BL15BL

COTTON TERRY.

Terry, heavy weight. 15 cm terry cuff.



1.1.3.1 X.1.X.X.X.X



10x10



10



SINGER



700BL15T

COTTON TERRY.

Terry, heavy weight. 15 cm canvas cuff.



1.1.3.1 X.1.X.X.X.X



10x10



10



SINGER



Cotton woven - Single and double layer

[PAINTING]



**P754H
P754F**

COTTON CANVAS.
SINGLE LAYER.

Nap-in.
Knitted wrist.



30x10



Men's (10) : P754H
Ladies (8) : P754F



SINGER



P754-15

COTTON CANVAS.
SINGLE LAYER.

Nap-in.
15 cm gauntlet.



30x10



10



SINGER



Double layer
Nap-in, nap-out.



PRP754/08

HOT-MILL
DOUBLE LAYER CANVAS.

Nap-in, nap-out.
8 cm gauntlet.



1.1.1.2



X1.X.X.X.X



10x10



10



SINGER



PRP754/15

HOT-MILL
DOUBLE LAYER
CANVAS.

Nap-in, nap-out.
15 cm gauntlet.



1.1.1.2



X1.X.X.X.X



10x10



10



SINGER



T700BL

COTTON TERRY.

Terry, heavy weight.
Knitted wrist. 15 gauge.



1.2.3.1 X.2.X.X.X.X



10x10



10



SINGER



T301H T301F

Seamless knitted cotton glove.
Reversible. Elasticated wrist.
Coloured overcast. 7 gauge.



30x10



Men's: T301H
Ladies: T301F



Prosur



T301HL T301FL

Seamless knitted cotton glove.
Reversible. Elasticated wrist.
Coloured overcast. 10 gauge.



30x10



Men's: T301HL
Ladies: T301FL



Prosur



T207H T207F

Polyester/cotton seamless.
Knitted wrist.
Grey colour. 7 gauge.



30x10



Men's: T207H
Ladies: T207F



Prosur

[RECYCLED
FIBRES]



Cotton
gloves





Evasion collection



Textile pierce resistant midsole
Composite toecap

[FROM]

S3 SRC

BARY

Low cut trendy safety trainers.
Waterproof nubuck leather upper.
Padded tongue.
Mesh lining.
Non metallic pierce resistant midsole
and composite toe cap.
Fully removable, antistatic perforated EVA insole
Fastening by eyelets and flat laces.
Dual density PU outsole.
Blue colour upper. Red colour laces and stitching.



10x1 36 - 47

SINGER



Sole	Polyurethane double-density
Fastening	Laces
Standard	EN ISO 20345 (S3 SRC)

Textile pierce resistant midsole
Composite toecap

ARIANO

Low cut.

Modern and attractive model.

Upper in textile and «action»

Nubuck leather. Padded tongue.

Mesh lining.

Black, grey and orange colours.

Full piece removable footbed.

Pierce resistant midsole

and safety toe cap.

Other: pre-shaped insole,

entirely removable, anti-static.

Retro-reflective tapes.

Sole	Nitrile rubber + EVA + TPU
Fastening	Laces and hooks
Standard	EN ISO 20345 (S1 - P SRC)



S1-P SRC



10x1 39 - 47

SINGER

Textile pierce resistant midsole
Composite toecap

ASCOLI

Low cut.

Sporty and dynamic model.

Textile and grain leather upper.

Padded tongue.

Mesh lining.

Black, grey and red colours.

Full piece removable footbed.

Pierce resistant midsole and safety toe cap.

Other: pre-shaped insole,

entirely removable, anti-static.

Sole	Nitrile rubber + EVA + TPU
Fastening	Laces and textile loops
Standard	EN ISO 20345 (S1 - P SRC)



S1-P SRC



10x1 39 - 47

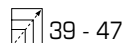
SINGER

Textile pierce resistant midsole
Composite toecap

IMOLA

Safety ankle boot.
Full grain leather.
Black colour.
Padded tongue and collar.
Full piece removable footbed.
Pierce resistant midsole and safety toe-cap.
Energy absorbing heel.
Other: thick soft and resistant leather.
Tongue gusset.

Sole	Polyurethane double-density
Fastening	Laces, eyelets and hooks
Standard	EN ISO 20345 (S3 SRC)



SINGER



S3 SRC

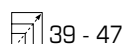


Textile pierce resistant midsole
Composite toecap

PADOVA

Low cut shoe.
Full grain leather.
Black colour.
Padded tongue and collar.
Full piece removable footbed.
Pierce resistant midsole and safety toe-cap.
Energy absorbing heel.
Other: thick soft and resistant leather.
Tongue gusset.

Sole	Polyurethane double-density
Fastening	Laces and eyelets
Standard	EN ISO 20345 (S3 SRC)



SINGER



S3 SRC



Pierce resistant midsole
Composite toecap

MONZO

High cut safety shoes.
Upper in soft grain leather.
Top of upper with beige mesh lining.
Full piece removable footbed.
Composite toecap.
Pierce resistant midsole.
Energy absorbing heel.
Retro-reflective piping.
Polyurethane (PU) double density sole.
Fastening with laces and hooks.
Brown colour.

Sole	Polyurethane double-density
Fastening	D ring and lacing system
Standard	EN ISO 20345 (S3 SRC)



10x1 39 - 47

SINGER



S3 SRC



Pierce resistant midsole
Composite toecap

TRANA

Low cut safety shoes.
Upper in soft grain leather.
Top of upper with beige mesh lining.
Full piece removable footbed.
Composite toecap. Pierce resistant midsole.
Energy absorbing heel.
Retro-reflective piping.
Polyurethane (PU) double density sole.
Fastening with laces and hooks.
Brown colour.

Sole	Polyurethane double-density
Fastening	D ring and lacing system
Standard	EN ISO 20345 (S3 SRC)



10x1 39 - 47

SINGER



S3 SRC



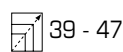
The essentials

Textile pierce resistant midsole
Composite toecap

ROMA

High cut shoe.
Leather upper.
Black and orange colour.
Top of upper with lining.
Full piece removable footbed.
Pierce resistant midsole and safety toe cap.
Energy absorbing heel.
Reinforcement at each end.
Other: seams, laces and tongue lining with orange contrast.
Tongue gusset.

Sole	Polyurethane double-density
Fastening	D ring and lacing system
Standard	EN ISO 20345 (S3 SRC)



SINGER

REINFORCEMENT
AT EACH END

S3 SRC

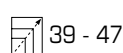


Textile pierce resistant midsole
Composite toecap

PARMA

Low cut shoe.
Leather upper.
Black and orange colour.
Top of upper with lining.
Full piece removable footbed. Pierce resistant midsole and safety toe cap.
Energy absorbing heel.
Reinforcement at each end.
Other: seams, laces and tongue lining with orange contrast.
Tongue gusset.

Sole	Polyurethane double-density
Fastening	D ring and lacing system
Standard	EN ISO 20345 (S3 SRC)



SINGER

REINFORCEMENT
AT EACH END

S3 SRC



Textile pierce resistant midsole
Composite toecap

CAPRA

High cut safety shoes.
Pigmented leather upper.
Top of upper with black mesh.
Full piece removable footbed.
Composite toecap.
Pierce resistant midsole in textile.
Energy absorbing heel.
Retro-reflective pipings.
Polyurethane (PU) double density sole.
Fastening with laces and hooks.
Tongue gusset.
Reinforcement at each ends.
Black colour.

Sole	Polyurethane double-density
Fastening	D ring and lacing system
Standard	EN ISO 20345 (S3 SRC)



10x1 39 - 47

SINGER



REINFORCEMENT
AT EACH END

S3 SRC



Textile pierce resistant midsole
Composite toecap

SIENE

Low cut safety shoes.
Pigmented leather upper.
Top of upper with black mesh.
Full piece removable footbed.
Composite toecap.
Pierce resistant midsole in textile.
Energy absorbing heel.
Retro-reflective pipings.
Polyurethane (PU) double density sole.
Fastening with laces and hooks.
Tongue gusset.
Reinforcement at each ends.
Black colour.

Sole	Polyurethane double-density
Fastening	D ring and lacing system
Standard	EN ISO 20345 (S3 SRC)



10x1 39 - 47

SINGER



REINFORCEMENT
AT EACH END

S3 SRC



REINFORCEMENT
AT EACH END

Steel midsole
and toecap

ST400

Safety trainer boot.
Upper in blue split suede leather.
Blue colour.
Deep padded collar and tongue.
Fully lined.
Pierce resistant midsole and safety toe cap.
Full piece removable footbed.
Energy absorbing heel.
Other: scuff resistant reinforcement
at toes and heel.
Tongue gusset.

Sole	Polyurethane double-density
Fastening	Laces and hooks
Standard	EN ISO 20345 (S1-P SRC)



10x1 37 - 47

SINGER



S1-P SRC

Steel toecap

VIGO

Low cut shoe in microfibres,
Moccasin style. White colour.
Top of upper with lining.

Standard	EN ISO 20345 (S2 SRC).
----------	------------------------



10x1 36 - 47

SINGER



S2 SRC

[REINFORCEMENT
AT EACH END]

Steel midsole
and toecap

ST280

Welder safety boot. Leather upper.
Black colour.
Top of upper with lining.
Full piece removable footbed.
Pierce resistant midsole
and safety toe cap.
Energy absorbing heel.
Other: easy closing system.
Protection against splashes.

S1-P SRC

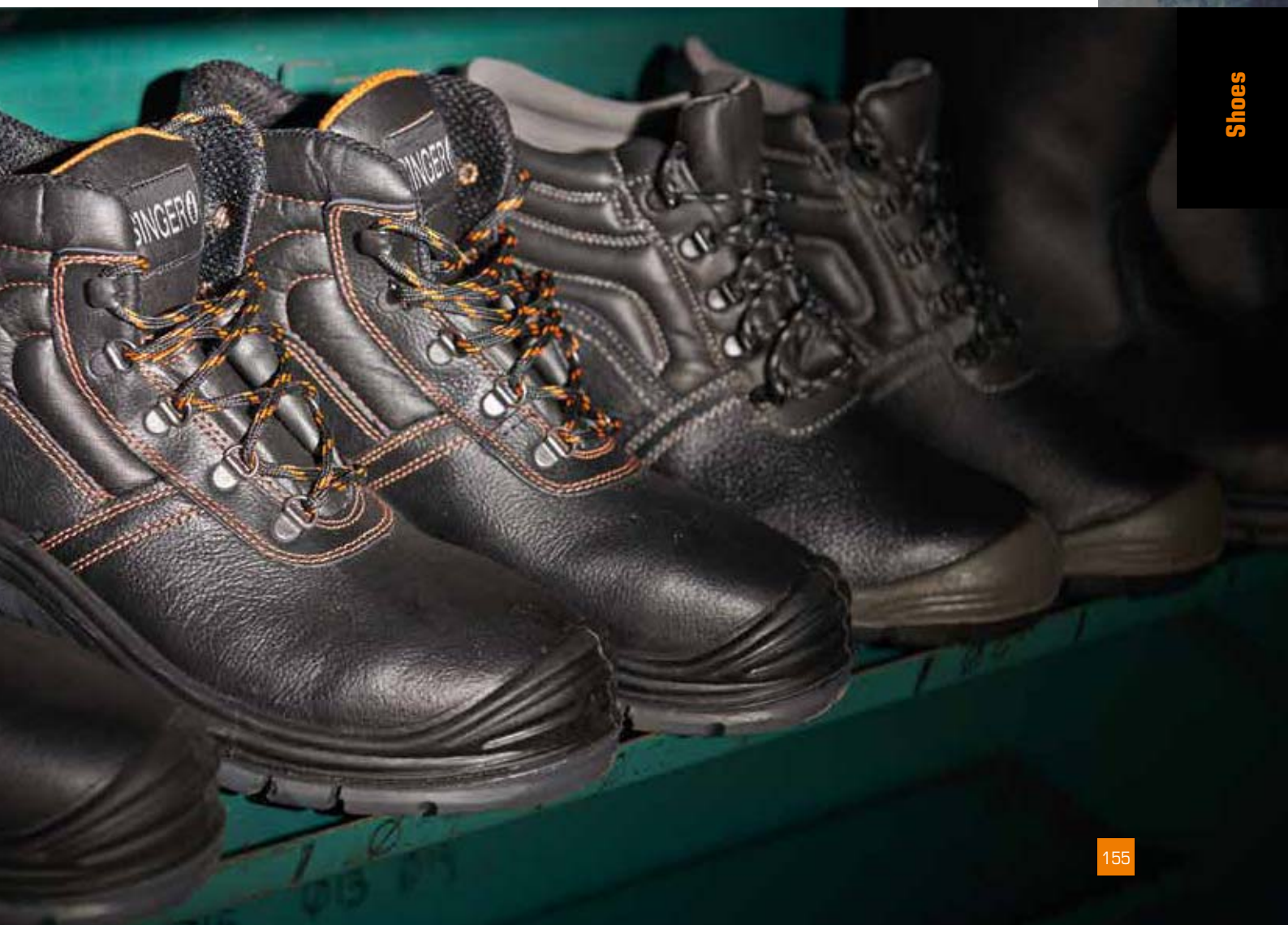


Sole	Polyurethane double-density
Fastening	Leather cover with self-grip system
Standard	EN ISO 20345 (S1-P SRC)



10x1 39 - 47

SINGER

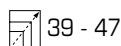


Steel midsole
and toecap

GR35

High cut safety shoe.
Black colour.
Upper in leather.
Top of upper with lining.
Full piece removable footbed.
Pierce resistant midsole
and safety toe cap. Shock absorbing heel.
Other: grey colour lining and seams.
Reinforcement at toe.

Sole	Polyurethane double-density
Fastening	D ring and lacing system
Standard	EN ISO 20345 (S3 SRC)



REINFORCED TOE

S3 SRC

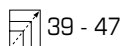


Steel midsole
and toecap

GR25

Low cut safety shoe.
Black colour.
Upper in leather.
Top of upper with lining.
Full piece removable footbed.
Pierce resistant midsole and safety toe cap.
Shock absorbing heel.
Other: grey colour lining and seams.

Sole	Polyurethane double-density
Fastening	D ring and lacing system
Standard	EN ISO 20345 (S3 SRC)



S3 SRC



Steel midsole
and toecap

GR10

High cut safety shoe.
Black colour.
Upper in leather.
Top of upper with lining.
Full piece removable footbed.
Pierce resistant midsole
and safety toe cap.
Shock absorbing heel.
Other: grey colour lining and seams.

Sole	Polyurethane double-density
Fastening	D ring and lacing system
Standard	EN ISO 20345 (S1-P SRC)



10x1 37 - 47

Prosur



S1-P SRC

Steel midsole
and toecap

GR20

Low cut safety shoe.
Black colour.
Upper in leather.
Top of upper with lining.
Full piece removable footbed.
Pierce resistant midsole
and safety toe cap.
Shock absorbing heel.
Other: grey colour lining and seams.

Sole	Polyurethane double-density
Fastening	D ring and lacing system
Standard	EN ISO 20345 (S1-P SRC)



10x1 37 - 47

Prosur



S1-P SRC

Classic - Boots

[REINFORCEMENT
AT EACH END]

S3 SRC

Textile pierce resistant midsole
Composite toecap



 **Special cold**

BREME

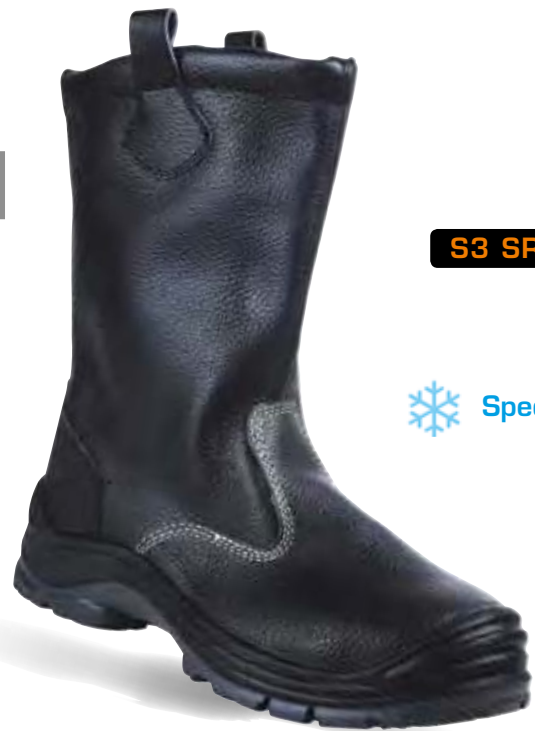
Lined boot. Full grain water-repellent leather.
Black colour. Polyurethane double-density sole.
Fur acrylic lining.
Pierce resistant midsole and safety toe cap.

Sole	PU bi-densité
Standard	EN ISO 20345 (S3 SRC)



 10x1  39 - 47

SINGER 



[STEEL MIDSOLE
AND TOECAP]

S5 SRC

BJORN

Winter safety boot.
Upper in waterproof P.V.C.
Fully polyester lined. P.V.C/nitrile outsole.
Pierce-resistant midsole.
Safety toe cap.
Studded sole.
Wide P.V.C handles grip for easy use.
Black color.
Height: around 31 cm.

Sole	PVC/Nitrile
Standard	EN ISO 20345 (S5 SRC)



 6x1  39 - 47

SINGER 



 **Special cold**





S5 SRC

COME

High thigh boots in heavy and resistant polyester/PVC fabric (700 gsm).
Welding on safety boots.
Pierce resistant midsole and safety toe cap.
Front wear resistant reinforcement.
High frequency welded seams.
Large adjustable straps to fix on belt.
Kick-off heel spur for easy removal.
Textile hemmed on top edge.
90 cm height.
Green colour.

Standard EN ISO 20345 (S5 SRC)



5x1



40 - 47



S5 SRC

WIKI

Chest waders in heavy and resistant polyester/PVC fabric (700 gsm).
Welded on safety boots.
Pierce resistant midsole and safety toe cap.
Front wear resistant reinforcement.
High frequency welded seams.
Feature elasticated braces with fix lock buckles, an internal chest pocket.
Adjustable elastic drawcord at waist.
Reinforced with double layer on top edge.
Kick-off heel spur for easy removal.
143 cm height.
Green colour.

Standard EN ISO 20345 (S5 SRC)



5x1



40 - 47

BOTBLANC

Viscose lined PVC
boot for food industry.
White colour.

Standard EN ISO 20347 (OB E SRC)

10x1 36 - 47



OB E SRC

BOTPVC

Viscose lined PVC boot.
Green colour.

Standard EN ISO 20347 (OB E SRC)

10x1 39 - 47



OB E SRC

VISCOSE LINED PVC
BOOT. GREEN COLOUR.

BOTSEC

Viscose lined PVC safety boot.
Green colour.
Steel midsole and toecap.

Standard EN ISO 20345 (S5 SRC)

6x1 38 - 47



S5 SRC



Special cold

CLUSE

Warm winter socks.
58% acrylic, 25% wool,
17% polyamide.
Terry inner surface for
comfort and thermal insulation.
Reinforced on high heel.
Tightened on the foot for a
secure fit and prevent socks from
slipping in the shoe, thus eliminating
any risk of heating of the foot.
Good performance and good support of the
metatarsus. Per pair.



10x10



01 (39-41), 02 (42-44),
03 (45-47)

SINGER

CAGNES

Summer socks. 67% cotton,
15% polyester, 18% polyamide.
Very comfortable thanks to its terry
finish at the heel, instep and sole of
the foot. Retention in the foot prevents
the sliding of the sock in the shoe thus
eliminating any risk of overheating of
the foot. Per pair.



10x10



01 (39-41), 02 (42-44),
03 (45-47)

SINGER

ACCLAC

Pair of laces.
Textile material.
Length 130 cm.
Polybag of 10 pairs.



10x1



ACCCHAUSS

Socks for boot.
Black colour. Per pair.



30x10



01 (39-40), 02 (41-42),
03 (43-44), 04 (45-46)



ACCBOTACRY

Acrylic high socks
for boots. Per pair.



60x1



Unique



ST2022

Deodorant properties sole made:
- A perforated upper layer of non-woven
fabric
- An intermediate layer with active carbon.
- A perforated latex lower layer. Per pair.



10x1



34 - 47





Clothing

Parka - Industry collection



[TAPED SEAMS]



3x1
Detachable POLAR
fleece jacket



3 x 1 garment. Made of a outer parka with no padding and a warm and comfortable inner detachable Polar jacket. Numerous pockets. Retro-reflective piping. Multi-use keyholder.

Colour: grey/black/red.

Parka : outshell in 100% polyester Pongee rip-stop 7 x 7 mm with PVC coating. Patch reinforcement fabric: 100% polyester Oxford with PVC coating, 360 gsm. Lining: 100% polyester Taffeta. Features a zip access for print.

Detachable inner jacket: 100% polar fleece polyester, 96F, 280 gsm. Knitted wrist for a better insulation against cold. Pockets. Front zipper. Adjustment with drawcord and stoppers.

PAZ



10x1



S, M, L, XL, 2XL, 3XL

SINGER



Parka - Outdoor line

[TAPED SEAMS]



Warm and comfortable coat. Detachable and adjustable hood. Numerous outer and inner pockets. Knitted wrists under adjustable sleeves. Front zipper under studded flap. Drawcord adjustment at waist. Outshell in Pongee polyester. Polyester lining and padding. Colour: black. Polyester polar body lining in the back. Waterproof 2000 mm. Features a zip access for print.

PARGA



10x1



S, M, L, XL, 2XL, 3XL

SINGER

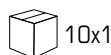


Parka - Outdoor line



Rip-stop polyester outshell with PVC coating.
Polyester polar body lining.
Polyester sleeves lining. Polyester padding.
Numerous and various inner and outer pockets.
Front zipper with flap.
Detachable hood with polar lining,
adjustable with drawcord.
Adjustable sleeves.
Reflective piping.
Features a zip access for print.
Waterproof 1000 mm.
Colour: black/grey

PALAWA



10x1



S, M, L, XL, 2XL, 3XL

SINGER





Rip-stop polyester outshell with PVC coating.
 Polyester polar body lining.
 Polyester sleeves lining.
 Polyester padding.
 Numerous and various inner and outer pockets.
 Front zipper with flap.
 Detachable hood with polar lining, adjustable with drawcord.
 Adjustable sleeves.
 Reflective piping.
 Features a zip access for print.
 Waterproof 1000 mm.
 Colour: black/navy blue.

PALAMA



10x1



S, M, L, XL, 2XL, 3XL

SINGER

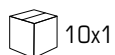


Parka - Technical line



Warm winter parka. 100% polyester twill Oxford PU coated. Waterproof 1000 mm. 100% polyester lined. 160 gsm polyester padding. 8 outside pockets. 1 inner pocket. Front zipper under flap with press-studs and self grip fastening. Adjustable hood with drawstring and stoppers, detachable with press-studs. Warm polar fleece lined collar. Reflective piping. Inside knitted wind cuffs. Inside elasticated waist with drawstring and stoppers. Taped seams. Features a zip access for print. Colour: grey/black.

PALMA



10x1



S, M, L, XL, 2XL, 3XL

SINGER 



Outshell: polyamide. Lining: polyamide.
 Padding: polyester fibres on an aluminized film.
 Detachable zip-on hood. Front zipper under studded flap.
 Numerous pockets. Inside knitted wind cuffs.
 Colour: Navy blue/royal blue.

PARNEPAL



10x1



S, M, L, XL, 2XL, 3XL

Prosur



Outshell: polyester with PVC backing. Lining: polyester.
 Padding: polyester. Detachable hood. Front zipper under
 studded flap. Various pockets. Inner knitted wind cuffs.
 Elasticated waist back.
 Colour: Navy blue.

PARTIBET



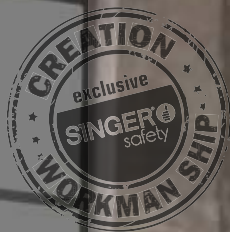
10x1



S, M, L, XL, 2XL, 3XL

Prosur

Jacket - Industry collection



[TAPED SEAMS]



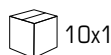
2 x 1 warm and comfortable jacket/bodywarmer. Detachable hood and sleeves. Numerous pockets. Retro-reflective piping. Multi-use keyholder. Outshell: 100% polyester Pongee Rip-stop 7 x 7 mm with PVC coating.

Patch reinforcement fabric: 100% polyester Oxford with PVC coating, 360 gsm.

Lining on collar and body: 100% polar fleece polyester, 96F, 260 gsm. Lining on sleeves and hood: 100% polyester Taffeta. Padding: 100% polyester (sleeves 140 gsm, body and hood: 80 gsm). Features a zip access for print.

Colour: grey/black/red

BOSTON



S, M, L, XL, 2XL, 3XL

SINGER

Jacket - Technical line

Waterproof
2000 mm

TAPED
SEAMS

Warm jacket.
Outshell: twill Oxford polyester with PU coating.
Lining: polyester. Padding: 160 gsm polyester.
7 outside pockets. 2 inner pockets.
Front zipper under studded flap and self grip fastening.
Warm hood adjustable with drawstring and stoppers,
detachable with press-studs and fully polar fleece lined.
Warm polar fleece lined collar. Reflective piping.
Elasticated waist. Features a zip access for print.
Colour: grey anthracite/black.

Advantages : Functional fabrics providing high insulation against cold and wind. Keep your body warm, clean and dry. Innovative and modern design. Careful workmanship.

BLIZZARD

10x1 S, M, L, XL, 2XL, 3XL **SINGER**

Jackets - Classic line



Bomber jacket. Outshell: polyester/cotton.
Lining: polyester. Padding: polyester. Boa fur collar.
Front zipper under studded overflap.
Knitted wind cuffs. Pockets. Colour: Navy blue.

BLBERGEN

10x1

S, M, L, XL, 2XL, 3XL

Prosur



Outshell: polyester/cotton. Lining and padding:
polyester. 8 outside various pockets.
Detachable sleeves. Elasticated cuffs.
1 inside pocket. Color: Navy blue.

GIL800B

10x1

M, L, XL, 2XL, 3XL

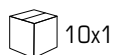
Prosur

Bodywarmer - Industry collection



Sleeveless bodywarmer.
Ripstop outer fabric in polyester with PU coating.
Fleece inner lining on top of the garment
and polyester woven lining in the back.
Polyester padding.
Many outer and inner pockets.
Zipper under flap with press stud and hook-and-loop
straps. Elasticated waistband plus adjustment with
drawstring and stoppers.
Straight up collar with comfortable fleece lining.
Reflective piping in the back.
Colour: grey/black/red.

GAP



10x1



S, M, L, XL, 2XL, 3XL

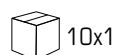
SINGER



Outshell: Rip-stop polyester with PVC coating.
 Lining: polyester polar fleece.
 Padding: polyester. Front zipper.
 2 front slant pockets with flap.
 2 breast pockets with zip.
 3 pen holders. 1 mobile phone pocket with flap. 1 inside pocket with zip.
 Point collar. Elasticated on both sides.
 Reflective piping. Multi-use keyholder.
 Features a zip access for print.

GASPAR Colour: black/grey

GASMA Color: black/navy blue



S, M, L, XL, 2XL, 3XL

SINGER

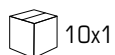
Bodywarmer - Polar fleece



Polyester polar fleece bodywarmer with front zipper. 330 gsm.
2 zipped waist pockets.
1 chest pocket. Reinforcement at shoulders.
Straight collar. Light weight, convenient and very warm!

GEORGRIS Colour: grey/black

GEORGIA Colour: navy blue/black



S, M, L, XL, 2XL, 3XL

SINGER

Bodywarmers - Classic line



Polyester/cotton outshell.
Lining: polyester. Padding: polyester.
2 inside pockets. Elastic waistband.
Colour: white.

GILBLANC



10x1



S, M, L, XL, 2XL, 3XL

Prosur



Polyester/cotton bodywarmer with collar.
Polyester lining. Polyester padding.
3 outer pockets including one mobile phone pocket with flap.
1 inner pocket. Straight cut. Loins protection.
Colour: navy blue.

GIL700B



10x1



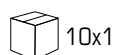
M, L, XL, 2XL, 3XL

Prosur



Polyester/cotton outshell.
Lining: polyester. Padding: polyester.
2 front pockets + 1 mobile pocket.
1 inside pocket. Elastic waistband
Colour: navy blue.

GILALPA



10x1



M, L, XL, 2XL, 3XL

Prosur



Very practical and comfortable, the multi-pockets bodywarmer.
Polyester/cotton outshell. Lining and padding in polyester.
Mandarin collar with press-studs. 8 pockets.
Loins protection. Front zipper under flap with press-studs.

GILSPORTM Colour: navy blue

GILSPORTN Colour: black



10x1



M, L, XL, 2XL, 3XL

Prosur

Softshell jacket - Industry collection



[SOFT SHELL]



Windbreak breathable jacket.

Type: Softshell outdoor. 2 x 1 (reversible sleeves).

Warm polar finish inside. Retro-reflective piping. Pockets.

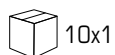
Adjustable wrists. Material: 94% polyester- 6% elastane.

Waterproof 8000 mm. Breathable 800 mvp. Colour: grey/black/red.

Advantages : Warm, very soft, comfortable and aesthetic.

Very light wear. The innovative material of this garment gives a very good elasticity and a great comfort.

VANCOUVER

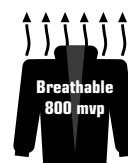


10x1



S, M, L, XL, 2XL, 3XL

SINGER



Breathable
800 mvp



Waterproof
8000 mm

Softshell jacket - Smart line

[SOFT SHELL]

Soft outdoor windbreaker vest in Softshell fabric:
94% polyester, 6% elastane. Front zip. Straight collar.
Polar inside. 3 outside pockets. Reflective piping.
Inside tightening waist with drawstring and stoppers.
Waterproof 8000 mm. Breathable 800 mvp.
Colour: black.



Advantages : Very light wear. Outdoor profile.
The innovative material of this garment provides
a very good elasticity and a high sensation of
comfort. Water-repellent and breathable.

VIRGINIA



10x1



S, M, L, XL, 2XL, 3XL

SINGER

[SOFT SHELL]



Soft outdoor windbreaker vest in Softshell fabric with micro fleece
lining. 96% polyester, 4% elastane. Front waterproof zip closing.
Straight collar. 3 outer pockets. Adjustable wrists.
Inside tightening waist with elastic drawstring and stoppers.
Colour: black. Red contrasts.

Advantages : Very light wear. Outdoor profile.
The innovative material of this garment provides a very good
elasticity and a high sensation of comfort

VERNON



10x1



S, M, L, XL, 2XL, 3XL

SINGER



Softshell jackets - Polar fleece



Polar fleece jacket in polyester
(330-350 gsm).
Polyester lining. Zipper closing.
Pockets.
Inside bottom tightening with drawcords
and stoppers.
Elasticated waists.

POLBLE Colour: blue



S, M, L, XL, 2XL, 3XL

SINGER



POLNOIR Colour: black

POLNOR Colour: grey

10x1  S, M, L, XL,
2XL, 3XL

SINGER 



Polar fleece jacket in unlined polyester
(270-280 gsm).
Zipper closing. Pockets. Inside bottom tightening
with drawcords and stoppers.
Elasticated wrists.

POLKANO Colour: black

POLKA Colour: blue

10x1  S, M, L, XL,
2XL, 3XL

Prosur 

Sweater - Polar fleece



Polar fleece sweater.
100% polyester polar fleece fabric, 330 gsm.
High collar with zipper.
Reinforcements at shoulders and elbows.
Knitted wrists. 1 chest pocket with pen holder.
Tightening at waist with drawcords and stoppers.
Light weight, convenient and very warm!
Colour: grey/black.

POLAND



10x1



S, M, L, XL, 2XL, 3XL

SINGER

Work sweater.
High collar with zipper.
50% acrylic / 50% wool knitted.
Colour: grey.

PULGRIS



10x1



S, M, L, XL, 2XL

SINGER



100% acrylic.
High collar with zipper.
Colour: Navy blue.

PULBLE



10x1



S, M, L, XL, 2XL

SINGER



100% acrylic. High collar with zipper.
Shoulder and elbow patches. Chest pocket and pen holder.
Colour: Navy blue.

PULO50BM



10x1



S, M, L, XL, 2XL

SINGER

Work jacket

Material: cotton/polyester (65/35%). 300 gms.

Triple over stitching.

Front zipper under flap with red contrasted self grip fastening band. 2 press studs.

Retro-reflective piping in the front, in the back and on the sleeves. Numerous pockets, badge-holder.

On the bottom, two large hand-rest pockets with gusset. Multi-purpose keyholder.

1 large convenient pocket in the back.

Adjustable wrists with textile strip and press-stud.

Grey and red over stitching.

Waist adjustment with textile strip and press-stud.

1 inner pocket with zipper.

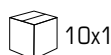
1 inner pocket with loops for headset.

Comfort pleats in the back.

Colour: mixed grey/black/red



VEGAS



10x1



M, L, XL, 2XL, 3XL

SINGER

Knee pads for working garments.

(See page 193).



[PREMIUM]

Work trousers

Material: cotton/polyester (65/35%).

300 gms. Triple over stitching.

Elasticated waist on each side. Loops for belt.

Fly with zipper and button. Numerous and various pockets

in the front and in the back. Easy access free outside

compartment pockets for small tools or bolts/nails storage

in reinforced fabric (they can be inserted in the main

pockets upon end user choice).

Retro-reflective piping. Hammer loop.

Knee pad pockets in reinforced fabric.

Triple over stitching on legs.

PORTO Colour: mixed grey/black/red.

PORTAC Colour: black.



10x1



S, M, L, XL, 2XL, 3XL

SINGER





Soft and comfortable polo-shirt. Short sleeves.
100% polyester Cooldry®. Bird eye knitting, 150 gsm.
Reinforced sweat tape at collar. Hemmed sleeves
and bottom. Exclusive design Singer® Safety.

PRATA



25x1



S, M, L, XL, 2XL

SINGER

Work garments - X Pro Collection

Work jacket

Many functional pockets including one pocket for wallet.

Multi-purpose keyholder.

Material:

65% polyester/

35% cotton.

245 gsm.



VILNIUS

Colour: grey anthracite/black/orange

VILNAM

Colour: blue/black



10x1



S, M, L, XL, 2XL, 3XL

SINGER



Work trousers

Knee pad pockets.

Elasticated waist.

Many functional pockets including one for mobile phone.

Material: 65% polyester/35% cotton.

245 gsm.



PRAGUE Colour: grey anthracite/black/orange

PRAGMA Colour: blue/black



10x1



S, M, L, XL, 2XL, 3XL

SINGER

Work garments - X Pro Collection



VILBLA Colour: white/grey/black.



10x1



S, M, L, XL, 2XL, 3XL

SINGER



PRAGBLA Colour: white/grey/black

PRAGBE Colour beige/brown/orange



10x1



S, M, L, XL, 2XL, 3XL

SINGER

X Pro Collection

Clothing




Work garments - X Pro Collection

Polyester/cotton 65/35%. 245 gsm. Many functional pockets.
1 pen compartment. Pockets for screws/bolts. 1 rule pocket.
Colour: black/grey, anthracite/orange.



Elasticated waist. One zipped wallet pocket.
Adjustable bottom legs.
Multi-purpose keyholder.




CAIRO Two zips work coverall

 10x1  S, M, L, XL, 2XL, 3XL **SINGER** 



Knee pads pockets.
Elasticated waist.
One zipped wallet pocket.

CORDOUE One zip work coverall

 10x1  S, M, L, XL, 2XL, 3XL **SINGER** 



Knee pads pockets. Elasticated waist.
One zip closure pocket. Adjustable shoulder straps.
Reinforced stitches. Reflective piping.

SPLIT Work bib pant

10x1 S, M, L, XL, 2XL, 3XL **SINGER**



Soft and comfortable t-shirt.
Crew neck.
Short raglan sleeves.
100% polyester Cooldry®.
Bird eye knitting, 150 gsm.
Reinforced sweat tape at collar.
Elasticated double layer ribbed collar.
Hemmed sleeves and bottom.
Exclusive Singer® Safety design.
Two-coloured.

SURO

25x1 S, M, L, XL, 2XL **SINGER**

Many functional pockets including two zipped pockets and one zipped pocket for wallet. Two wide easy access back pockets.
Multi-purpose keyholder.
Material: 65% polyester/35% cotton.
245 gsm.
Colour: grey anthracite/black.



GOIAS Work vest

10x1 M, L, XL, 2XL, 3XL **SINGER**

Elasticated waist.
Many functional pockets including one for mobile phone.
Material: 65% polyester/35% cotton.
245 gsm.
Colour: grey anthracite/black.



BORA Work short

10x1 M, L, XL, 2XL, 3XL **SINGER**

Work garments - Fire retardant



Fire retardant protective jacket.
Fabric in Pyrovatex 310 gsm. 99% cotton,
1% antistatic material (carbon).
Colour: Blue. Orange bartacks.

Work jacket

Font zipper with hook-and-loop fastened flap.
Outer pockets with hook-and-loop fastened flap.
Adjustable wrists with hook-and-loops flap.
Stand-up collar.

Work trousers

Fire retardant protective trousers. Side slant pockets.
1 outer pocket on left leg with hook-and-loop fastened flap.
1 ruler pocket on right leg. Fly with zipper under flap.
Waist clothing with button. Elasticated waist and belt loops.

VALPA - Work jacket

PISA - Work trousers



10x1



S, M, L, XL, 2XL, 3XL



ENISO11611
(Class 1 A1)



ENISO11612
(Class A1+
A2 B1 C1 E1)




ENI 1149-5

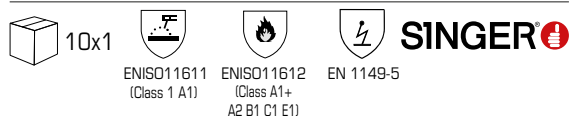
SINGER



Fire retardant protective coverall.
Fabric in Pyrovatex 310 gsm. 99% cotton, 1% antistatic material (carbon).
Front zipper with hook-and-loop fastened flap.
Outer chest pockets with hook-and-loop fastened flap.
Side slant pockets. Ruler pocket on right leg.
Adjustable wrists with hook-and-loops flap.
Elasticated waist in the back. Stand-up collar.
Colour: Blue. Orange bartacks.

 S, M, L, XL, 2XL, 3XL

COSTA



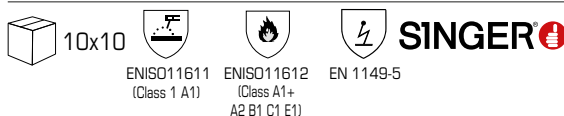
Fire retardant protective hood. Fabric in Pyrovatex 310 gsm. 99% cotton, 1% antistatic material (carbon).
Safety hood covering shoulders.
Adjustment with hook-and-loop flap.
Original system of hook-and-loops straps on top of the hood for convenient adjustment on welding hood.
Colour: blue.

PYROCAG



40 cm fire retardant protective sleeves.
Fabric in Pyrovatex 310 gsm. 99% cotton, 1% antistatic material (carbon).
Elastic under hem at wrist. Adjustment at elbow with hook-and-loops flap. Colour: blue.

PYROMTE



Work garments - Lazer collection

Work jacket
100% cotton, 300 gsm.
Front button fastening with flap.
External chest pockets.
Mobile phone pocket.
1 pen holder.
External pockets at the waist.
2 side pockets.
Inside pockets.
Cuffs with button.

VAR Colour: ink blue/black color

VARY Colour: grey/black



10x1



S, M, L, XL, 2XL, 3XL

SINGER



Work trousers
100% cotton, 300 gsm.
Closure at the waist with button.
Fly with plastic zipper.
Belt loops.
2 slanted pockets at the waist.
1 pocket on the left leg,
with flap and self-grip closure.
2 back pockets.

PAU Colour: ink blue/black color

PARY Colour: grey/black



10x1



S, M, L, XL, 2XL, 3XL


SINGER





Work bib pant
100% cotton. 300 gsm. Many functional pockets including one zip closure pocket. One ruler pocket. One check pocket with zip. Adjustable shoulder straps with plastic buckle. Side opening with buttons. Fly with zipper. Reinforced stitches.
Colour: grey/black

SARY

10x1  S, M, L, XL, 2XL, 3XL

SINGER 



Polyester/cotton 65/35 %.
245 gsm. 2 zips work coverall. Double zip.
In matching tones stitch. Two breast pockets.
2 lower pockets. 1 back pocket. 1 ruler pocket.
Comfort pleats in the back, elasticated waist.
Hand side slitting. Bottom legs snap fastener.
Colour: green.

COMBIAGRI



10x1



S, M, L, XL, 2XL, 3XL



100% cotton.
300 gsm.
One zip coverall.
Front plastic zipper closure.
2 chest pockets.
2 lower pockets.
1 back pocket.
1 ruler pocket.
Elastic tightening in the back.
Hand side slitting.
Colour: ink blue/black.

CAEN



10x1



S, M, L, XL, 2XL, 3XL

SINGER

Work garments - Classic line



Work coat
100% twill cotton. White: 265 gsm. Blue: 300 gsm.
Preshrunk fabric. Studs. 2 lower pockets. 1 breast pocket.
1 inside pocket. Front studs.

LABBLUE Colour: navy blue

LAB Colour: white



10x1



XS, S, M, L, XL, 2XL, 3XL

SINGER



Rubber anti-slip black knee pad.
Fasten with strap and buckle.
Height: 240 mm.
Width: 147 mm.

KP2C240



200x1 EN14404



Rubber anti-slip black knee pad.
Fasten with strap and buckle.

CAOGEN



4x12



Adjustable textile belt.
Robust and practical.
Length 140 cm. Adjustable.
Width 4 cm.
Belt in 100% polyester.
Strong brushed steel buckle.

BELT



40x1

Classic line



Clothing

Jeans - Classic line



100 % cotton denim 13 oz.
Straight cut.
Belt loops.
Metal zip under flap.
5 classic pockets, whose one ticket pocket.
Display carton of 10 pieces per size.

JEANS

 10x1  38-54

SINGER 



Warm underwear made of a long sleeves t-shirt (ref SAHO) and long underpants with elastic waist (ref SABA). Sold separately. Composition: 47,5% Modal®, 47,5% cotton, 5% Spandex. 200 gsm.

Modal® is a registered trademark from Leinzing AG company.



SAHO
SABA

10x1 S/M, L/XL, 2XL/3XL

SINGER

Welding garments - Classic line



Cow split leather.
Long sleeves.
Fastening with
snaps under
leather flap.
Length 80 cm.
Aramid yarn.



Cow split leather.
Long sleeves.
Fastening with
snaps under
leather flap.
Length 80 cm.
Aramid yarn.



SOUDAVEP Back in fire retardant fabric



5x1



M, L, XL



EN ISO 11611
Class 1/2 A1



5x1



M, L, XL



EN ISO 11611
Class 1/2 A1



BOLERO

Split leather bolero.
Long sleeves.
Fastening with
press-studs (under
leather flap).
Adjustable on the
bolero apron with
press studs.
Aramid yarn.



APRON

Bolero apron in split
leather 60 x 60 cm,
fastening with straps
and buckle.
Adjustable on the bolero with press studs. Aramid yarn.

SOUDAB Bolero

SOUDAT6060 Apron



5x1



EN ISO 11611
Class 1/2 A1

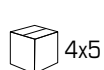


--- Aramid yarn



Apron in split leather.
Fasten around the neck with strap and under arms
with adjustable belt. 90 x 70 cm. Aramid yarn.

SOUDAT9070



Welding trousers
in split cow leather.
Opening on each side
at waist.
Fastening with self
grip fastening. Inside
integrated adjustable
leather belt.
One pocket on the left
side of the leg.
Aramid yarn.

SOUDAP



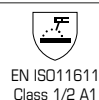
Arm Sleeves. Cow split leather sleeve. Elasticated on
both sides. Useful length: 40 cm (+/- 2 cm).
Aramid yarn.

SOUDAM



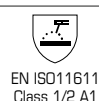
Hood. Split leather hood.
Front opening with 3 press
studs under leather flap.
Large leather flap covering
the shoulders.
Aramid yarn.
Class 1/2 A1.

SOUDAC



Leggings
In split leather.
Height 30 cm.
Strap and buckle
fastening on sole and
self grip fastening
on side.
Aramid yarn.
Sold by pair.

SOUDAG

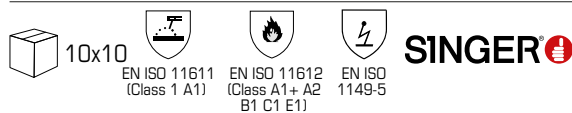


Sleeves - Classic line

40 cm fire retardant protective sleeves.
Fabric in Pyrovatex 310 gsm. 99% cotton, 1% antistatic material (carbon). Elastic under hem at wrist.
Adjustment at elbow with hook-and-loops flap.
Colour: blue.
Sold by pair.



PYROMTE



Cotton fabric sleeve. Length 40 cm.
Elastic band under hem at wrist.
Elbow adjustment with hook-and-loops straps.
Colour: blue.
Sold by pair.



MANBLEU



Cotton terry cloth sleeve.
Length 35 cm (40 cm with the wrist)
Elastic band at wrist. Elastic under hem at elbow.
Sold by pair.



BCLMTE35



Cotton fabric sleeve. Length 40 cm.
Elastic band at wrist. Elastic under hem at elbow.
Natural colour. No permanent flame retardant cotton treated fabric (no washable).
Sold by pair.



COTMTE40



Cow split leather sleeve. Elasticated on both sides.
Useful length: 40 cm (+/- 2 cm).
Sold by pair.



SOUDAM



Seamless machine knitted from high density polyethylene yarn (HDPE) blended with polyamide, yarn fibreglass and spandex. Elastic at elbow and cuff. Thumb opening. Ambidextrous style. Length: 45 cm.

Sold by piece.

PHDMTE45



10x10



EN388
(3.5.4.X)

SINGER



Kevlar®^(*) knitted, protection of the forearm. Elastic wrist. Ambidextrous. Length: 50 cm.

Sold by piece.

TKVMTE50PL



10x10



EN388
(1.3.4.1)



EN407
(4.1.X.X.X.X)

SINGER



Kevlar®^(*) knitted protective sleeve, double layer. Protection of the forearm and palm of the hand. Ambidextrous. Thumb opening. Length: 46 cm.

Sold by piece.

TKVMTE46



40x5



EN388
(1.3.4.3)



EN407
(X.1.X.X.X.X)

SINGER



Polyurethane/P.VC green sleeves. Length: 53 cm. Self grip fastening at elbow. Elasticated wrist. Welded seams

Sold by pair.

MTEPUB Colour: white

MTEPUV Colour: green



20x1



MR
Minor risks



EN343

SINGER

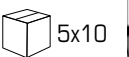


PVC sleeve with polyester liner. Length 40 cm. Elastic band at wrist, elastic under hem at elbow.

Colour: green.

Sold by pair.

PVCMTEVER



5x10



MR
Minor risks

Prosur



Made of genuine DuPont™ Kevlar® fibres. Kevlar® is a registered trademark of E.I. du Pont de Nemours and Company

Comfort



Comfort rainsuits

Polyurethane/PVC.

Polyurethane/PVC set (jackets + trousers) on polyester liner. Jacket with attached hood in collar. Front zip under studded flap. 2 front pockets with flap. Ventilated back. Drawcords at waist. Trousers with fly-front with snap stud. Drawcords at waist + elastic tightening. Bottom legs adjustment with snap studs. Hand side slitting. **Taped seams.**

VPLRAINY Colour: navy blue

VPLWINDY Colour: green

VPLCEAN Colour: yellow



10x1 10 M, L, XL, 2XL, 3XL **SINGER**

Comfort coveralls

Polyurethane/P.V.C on polyester liner. Double watertight zip, under flap with self-grip closing. Right zip until bottom of the feet. Bottom legs adjustment with snaps. Fixed concealed 3 pieces hood rolled inside collar, drawstring, and self-grip closing. Elastic cuffs windbreaker under the sleeves. **Taped seams.** Colour: green.



COMBIPUV

10x1 10 M, L, XL, 2XL **SINGER**

Soft



Soft rainsuits

Polyester/PVC.

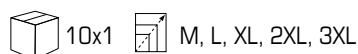
Soft: polyester/PVC set (jacket + trousers). Jacket with attached hood and drawcords. Front zipper. Pockets. Ventilated back. Elasticated waist trousers. Hand side slitting.

Taped seams.

VPLARMORM Colour: navy blue

VPLARMORV Colour: green

VPLARMORJ Colour: yellow



10x1



M, L, XL, 2XL, 3XL

SINGER



Soft coverall

Polyester/PVC.

Double zipper closure. Attached hood rolled in collar. 2 chest pockets, 2 waist pockets.

Taped seams.

VPLSLOM Colour: navy blue

VPLSLOV Colour: green



10x1



M, L, XL, 2XL

SINGER

Soft raincoats

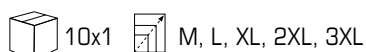
Polyester/PVC.

Front zipper closure under studded flap. Attached hood with drawcords, rolled into collar. 2 outer waist pockets. Ventilated back. Ventilation under arms with eyelets. Wrists adjustment with snap studs.

Taped seams.

VPLMANV Colour: green

VPLMANJ Colour: yellow



10x1



M, L, XL, 2XL, 3XL

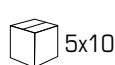
SINGER

Aprons - Classic line



Bib apron.
Cotton fabric.
Dimensions 100 x 70 cm.
Colour: blue.

TABCHB1070



5x10



SINGER

[VERY STRONG]



Bib apron.
Polyurethane/PVC.
Dimensions 120 x 90 cm.

TAB1290PUB Colour: white.

TAB1290PUV Colour: green



10x1



EN343

SINGER

Bib apron.
PVC/polyester/P. V.C.

TABPB1070 Colour: white

TABPV1070 Colour: green



x20



Prosur



References	Colours	Dimensions
TABPV 1070	Green	100 x 70 cm
TABPV 1290	Green	120 x 90 cm
TABPB 1070	White	100 x 70 cm
TABPB 1290	White	120 x 90 cm



High
visibility

Try our **4x1**, you will love it



One parka, 4 solutions!



[POCKET FOR
MOBILE PHONE]



Insulation with detachable vest
+ detachable long sleeves.



[POCKET FOR
MOBILE PHONE]



Bad weather high visibility garment set made up of two different pieces.
With retro-reflective tape.

Inside and outside pockets. Concealed hood rolled inside collar. Front zip fastening under studed flap.
Outshell: polyester Oxford 300 D with polyurethane coating. Polyester lining. Features a zip access for print.

Insulation with detachable vest + detachable long sleeves.
Outshell polyester Oxford 300 D with polyurethane coating. Inside: Polar fleece 280 gsm.

PIANA : Colour: navy blue/yellow
PIANO : Colour: navy blue/orange



10x1



S, M, L, XL, 2XL, 3XL, 4XL



3



2



3

1

Parka/
Bodywarmer

SINGER

Parkas



Insulation with detachable vest
+ detachable long sleeves



4x1 high visibility garment. Garment set made up of two different pieces.
With retro-reflective tape. Parka and bodywarmer with zip access for print.

Inside and outside pockets.
Concealed hood rolled inside collar.
Front zip under flap with hook-n-loop fasteners.
Outshell: polyester Oxford 300 D with polyurethane (PU) coating. Polyester lining.

Insulation with high-visibility detachable vest
(with detachable coated long sleeves).
With inner and outer pockets. Outshell polyester Oxford 300 D with polyurethane coating.
Inside: Polar fleece 280 gsm.

PARINA : Colour: navy blue/yellow
PARINO : Colour: navy blue/orange

10x1 S, M, L, XL, 2XL, 3XL



Parka



Bodywarmer
(with the sleeves)



Bodywarmer
(without the sleeves)



3
1

SINGER

3 color variations parka, according to your choice !



Bad weather high visibility garment with retro-reflective tape. Inside and outside pockets. Concealed hood rolled inside collar. Knitted storm cuffs. Two ways front zip fastening under studded flap. Outshell: polyester Oxford 300 D with polyurethane coating. Lining and padding: polyester. Features a zip access for print.

PALERME : Colour: navy blue/yellow

PALOMA : Colour: navy blue/orange

PALOVER : Colour: dark green/yellow



10x1



S, M, L, XL, 2XL, 3XL, 4XL



3



3
1

SINGER

High visibility

High
visibility



Two-tone foul weather high visibility parka.

Outshell: polyester Oxford 300 D with polyurethane coating. Polyester lining. Polyester padding. With retro-reflective tape. Inside and outside pockets. Concealed hood rolled inside collar. Front zipper under flap with hook-n-loop fasteners. Features a zip access for print.

PARDA : Colour: navy blue/yellow

PARDO : Colour: navy blue/orange



10x1



S, M, L, XL, 2XL, 3XL



3



3

1

SINGER

Bad weather high visibility garment set made up of two different pieces. With retro-reflective tape.

Rain coat:

Pockets. Concealed hood rolled inside collar.
Front zip fastening under studded flap.
Outshell: polyester Oxford 300 D with polyurethane coating.
Polyester lining.

Rain trousers:

Outshell polyester Oxford 300 D with polyurethane coating.
Elasticated waist.
Fly.

VILA : Colour: navy blue/yellow
VILO : Colour: navy blue/orange



M, L, XL, 2XL, 3XL



10x1



3



3

1

SINGER



Foul weather high visibility garment. With retro-reflective tape.

Suspender pants.

Outshell polyester Oxford 300 D with polyurethane coating.

Elasticated waist.

Front fly with press-stud.

PIVA : Colour: navy blue/yellow
PIVO : Colour: navy blue/orange



M, L, XL, 2XL, 3XL



10x1



1



3

1

SINGER



High visibility

High
visibility



Foul weather high visibility bomber jacket with grey retro-reflective tapes.
 Inside and outside pockets.
 Concealed hood rolled into collar.
 Knitted storm cuffs.
 Front zip fastening under studded flap and self-grip fastening.
 Elasticated waist.
 Polyester Oxford 300D with polyurethane (PU) coating.
 280 gsm (+/-10g) fleece polyester Polar lining.

BLAVIA : Colour: navy blue/yellow
BLAVIO : Colour: navy blue/orange

 10x1  S, M, L, XL, 2XL, 3XL

 3  3
1

SINGER 



High visibility

High
visibility

One jacket, 2 solutions!



2x1 Detachable sleeves

Detachable PU coated sleeves



High visibility jacket with retro-reflective tapes. Inside and outside pockets. Detachable PU coated sleeves. Front zipper fastening. Outshell: polyester Oxford 300D with polyurethane (PU) coating. Lining Polyester fleece polar 280 gsm.

VIENA : Colour: yellow

VIENO : Colour: orange



10x1



S, M, L, XL, 2XL, 3XL



3



3

1

SINGER



Detachable sleeves. Knitted wrists.



Foul weather high visibility jacket/bodywarmer with retro-reflective tapes. Inside and outside pockets. Detachable sleeves. Knitted wrists. Front zipper. Outshell: polyester Oxford 300 D with polyurethane coating. 100% polyester Polar fleece lining, 280 gsm. Features a zip access for print.

VERONE : Colour: yellow

VERONO : Colour: orange



10x1



S, M, L, XL, 2XL, 3XL



2



3
1

SINGER



SOFTSHELL

High visibility Softshell jacket with detachable hood and sleeves.

- Softshell in 100% polyester with TPU coating.
- Inside fleece finish.
- Removable storm hood by zipper.
- Drawstring.
- Removable sleeves with zipper.
- Retro-reflective tapes.
- Central waterproof zip fastening.
- 2 outside chest pockets with flap.
- 2 outside rest pockets with zip.
- 1 pocket on the left sleeve.
- 2 inner pockets at bottom.
- Warm knitted wrists under the sleeves.

2x1 Detachable sleeves



VILMA : Colour: yellow
VILMO : Colour: orange



10x1



S, M, L, XL, 2XL, 3XL



2

With sleeves



1

Without sleeves

SINGER



POLAR

High visibility two-tone lined jacket with retro-reflective tapes.
Knitted storm cuffs. Front zip fastening. Elasticated waist. 2 slant pockets with zipper.
Outshell: soft polyester Polar fleece. 300 gsm (+/- 10g). Lining: polyester. Grey tapes.

POLGA : Colour: yellow
POLGO : Colour: orange



10x1



S, M, L, XL, 2XL, 3XL



3

SINGER

High visibility

High
visibility

Fluo outside Polar fleece inside



High visibility jacket. Retro-reflective tapes. Front zipper.
Outer pockets. Rest pockets. 1 inner pocket. Features a zip access for print.
Outshell in 100% polyester Oxford 300 D PU coated.
Polar fleece lining, 260 gsm.

GANA : Colour: yellow

GANO : Colour: orange



10x1



S, M, L, XL, 2XL, 3XL



2

SINGER 



High visibility polyester vest.
Zip front fastening.
Two front hip pockets with gusset
and self-grip fastening flaps.
2 hand rest pockets.
Mobile phone & pen pockets.
Clear plastic badge holder.
Black plastic D clip ring.
Grey retro-reflective tapes.

GARA : Colour: yellow
GARO : Colour: orange



50x1



S, M, L, XL, 2XL



2

SINGER



High visibility polyester waistcoat.
Front self-grip fastening.
Grey retro-reflective tapes.

VPLGILJ : Colour: yellow
VPLGILO : Colour: orange



5x10



L, XL, 2XL



2

SINGER

High visibility

High
visibility






WORK JACKET

Front zipper under flap.
4 outer pockets + 1 pen holder.
2 inner pockets.
Adjustable wrists with self-grip band.
Retro-reflective tapes.
Material: 60% cotton/40% polyester.
280 gsm.

VITA : Colour: yellow/blue
VITO : Colour: orange/blue

 S, M, L, XL, 2XL, 3XL


 10x1  2 **SINGER** 



WORK TROUSERS

Elasticated waist on each side.
Loops for belt.
Fly with zipper and button.
Numerous and various pockets
in the front and in the back.
Knee pads pockets.
Retro-reflective tapes.
Material: 60% cotton/
40% polyester.
280 gsm.

PILA : Colour: yellow/blue
PILO : Colour: orange/blue

 S, M, L, XL, 2XL, 3XL

 10x1  2 **SINGER** 

High visibility

High
visibility

Polo-Shirts



High visibility polo-shirt.
100% polyester bird eyes fabric with wicking finishing (150 gsm).
2 horizontal stretchables retro-reflective tapes around body. 3 buttons closing.
Long sleeves.

PUNTA : Colour: yellow
PUNTO : Colour: orange



25x1



S, M, L, XL, 2XL, 3XL



2

SINGER



High visibility polo-shirt. 100% polyester
bird eyes fabric with wicking finishing (150 gsm).
2 horizontal retro-reflective tapes around body.
3 buttons closing. Short sleeves.

PAULA : Colour: yellow
PAULO : Colour: orange



25x1



S, M, L, XL, 2XL, 3XL



2

SINGER



High visibility t-shirt. 100% polyester bird eyes fabric with wicking finishing (150 gsm). 2 retro-reflective tapes around the body.

SUZE : Colour: yellow

SUZO : Colour: orange



25x1



S, M, L, XL, 2XL



2

SINGER

High visibility polyester armband PU coated. Height 90 mm. 3M™ retro-reflective tape in 30 mm height. Self-grip fastening. Not a PPE.

BRASSJ : Colour: yellow

BRASSO : Colour: orange



10x10



EN13356

SINGER

ACCESSORIES



Warning triangle, strong and resistant with built-in heavy duty stabilising metal base. Supplied in plastic carrying case. Conformity E9-27R-03-4047.

TRSGN1



10x1



Red and white roadsign cone in polyethylene. 50 cm high.

SGNCONE



10x1



Free standing floor sign. «Danger sol glissant.» (text in french language)

BALPL1

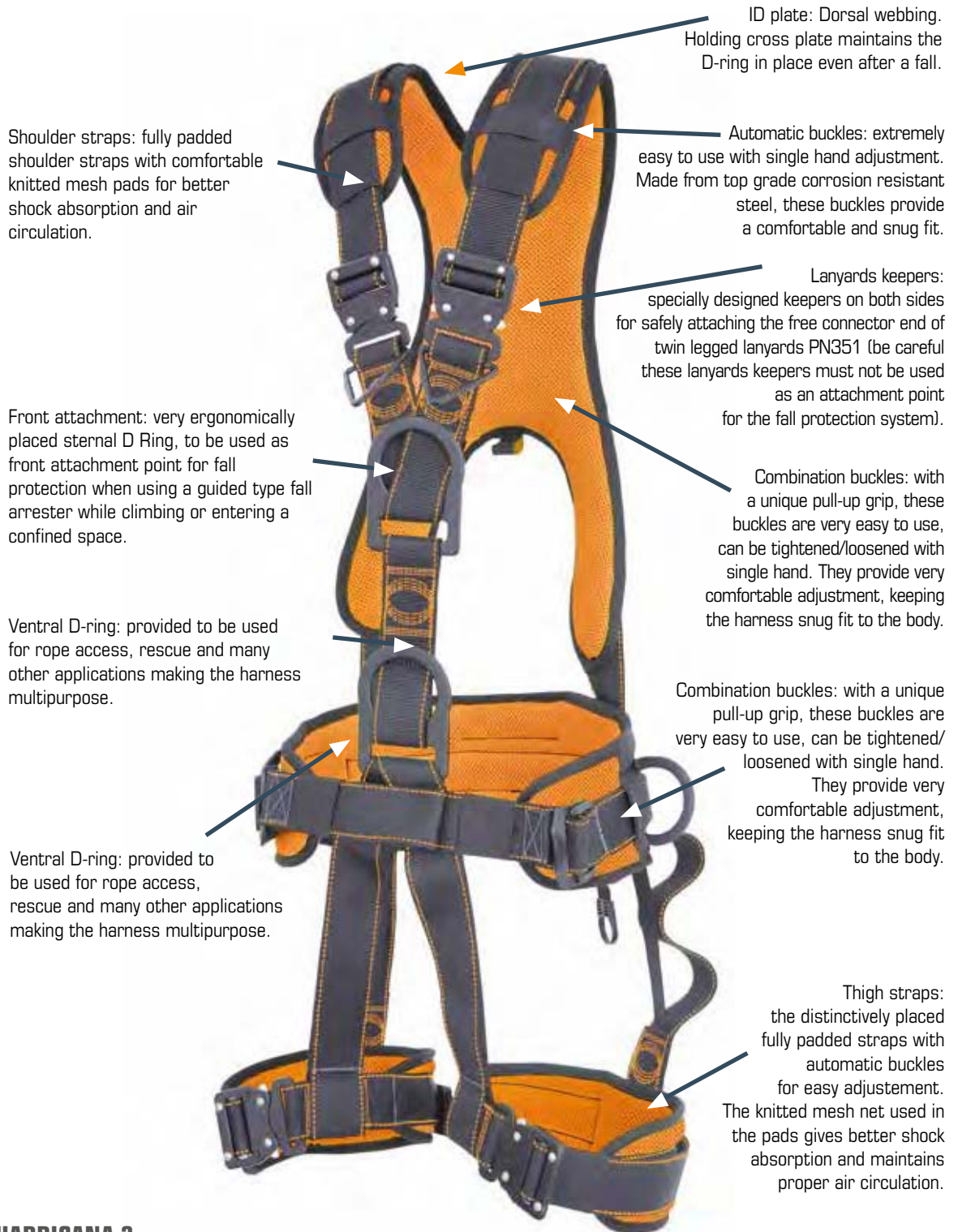


10x1



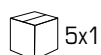


In the back,
the harness features
tools holdings



HARRICANA 3

EN361, EN358, EN813



SINGER

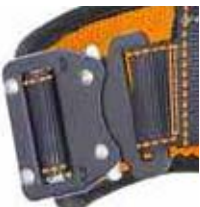
2
POINTS



Dorsal webbing holding cross plate maintains the D-ring in place even after a fall



Unique aesthetic stitch pattern for enhanced stitching strength with smart styling



Automatic buckles



Fully padded shoulder straps with comfortable knitted mesh pads for better shock absorption and air circulation.

1 front attachment: 2 ideally positioned textile loops to be used as front attachment point for fall protection.

1 back attachment point: dorsal webbing holding cross plate maintains the D-ring in place even after a fall.

Automatic buckles: extremely easy to use with single hand adjustment. Made from top grade corrosion resistant steel, these buckles provide a comfortable and snug fit.

Elastic loops: specially designed to retain the excess strap while adjustment.

Triangle ring for lanyards keepers: specially designed keepers on both sides for safely attaching the free connector end of twin legged lanyards PN351. (be careful these lanyards keepers must not be used as an attachment point for the fall protection system).

Thigh straps: the distinctively placed fully padded straps with automatic buckles for easy adjustment.

The knitted mesh net used in the pads gives better shock absorption and maintains proper air circulation.

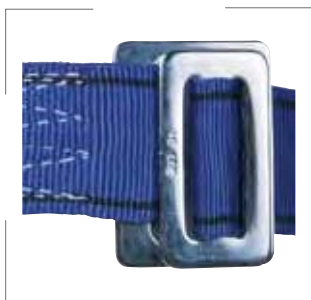
HARRICANA 1
EN361



SINGER

Harnesses

2
POINTS + Work
positioning + Rope
access



1 dorsal and one sternal (chest) D-ring for fall arrest. 1 ventral D-Ring for rope access work. 2 lateral D-Rings for work positioning.

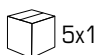
Full body harness with polyester strap of 45 mm.

Soft padding on shoulder, waist & leg straps.

Specially designed for comfort and hard access environments.

PN56

EN361, EN358, EN813



SINGER

2
POINTS + Work
positioning



2 attachments: one dorsal (D-ring) on chest (textile loops).

Full body harness with polyester strap of 45 mm. Combined with the waist belt PN01. Adjustable shoulder and thigh straps.

PN42

EN361, 358



SINGER

Fall arrest

Harnesses and work positioning belt



2
POINTS

2 attachments: dorsal and chest (by D ring).

Full body harness with polyester strap of 45 mm.
Adjustable shoulder and thigh straps.

With sit strap.

PN24

EN361



20x1

SINGER



2
POINTS

2 attachments: one dorsal D-ring, one chest textile loops.

Full body harness with polyester strap of 45 mm.
Adjustable thigh straps.

With sit strap.

PN12

EN361



20x1

SINGER



Work positioning belt with pad.

Two side D-rings of forged alloy steel.

Wider back comfort pad.

Tool holding webbing loops.

Rings for tools holders, bolt bags etc.

For use together with the work positioning lanyards PN241 or PN242.

PN01

EN358



20x1

SINGER

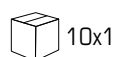


Work positioning belt with comfortable leg straps and back pad. Two lateral metallic D-ring which can be used for work positioning.

Front waist attachment element (metallic D-ring) to be used for rope access.

PN51

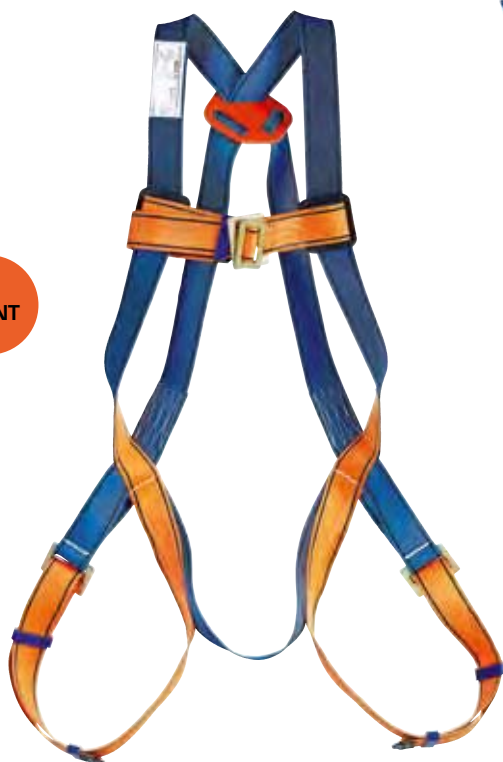
EN358, EN813



10x1

SINGER

1
POINT



1 dorsal attachment D-ring. Full body harness with polyester strap of 45 mm. Adjustable thigh straps.
With sit strap.

PN11
EN361



SINGER



Fall protection set including:
Harness PN12
Steel fall arrester PN2000A
Anchorage line PN910
Karabiner PN112
Carriage bag VERTISAC.

KITCOUV



SINGER

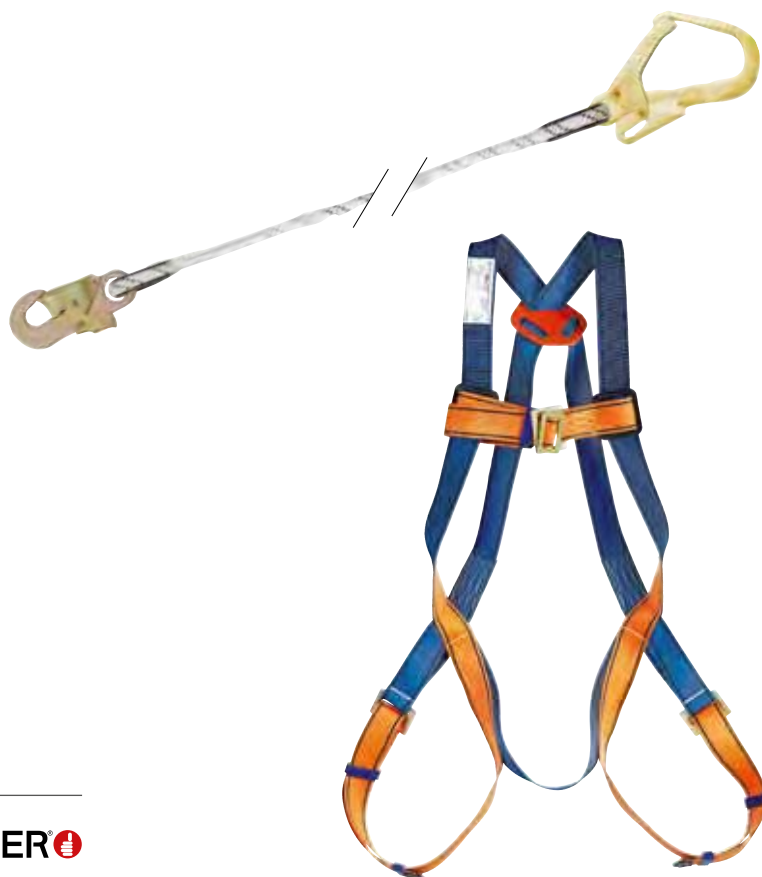


Fall protection set including:
 Harness PN11
 2 Karabiners PN112
 Lanyard with energy absorber PN301
 Carriage bag SACKIT.

KITH03



SINGER



Fall protection set including:
 Lanyard PN289B
 Harness PN11
 Bag

KITNACEL



SINGER

Lanyard in polyamide.
Thimbled loops on both ends.
Made up of 12 mm diameter.

PN201B : Length: 1 m.
PN201 : Length: 1.50 m.
EN354



SINGER



Braided polyamide lanyard.
Thimbled loops on both ends.
12 mm diameter. Length: 1,50 m.

PN281
EN354



SINGER



Polyamide braided lanyard.
PN121 hook at one end.
PN131 at the other end.

PN289B : Length: 1 m.
PN289 : Length: 1,5 m
EN354



SINGER



Thimbled loops with hook opening 55 mm. Lanyard in polyamide.
Made up of 12 mm diameter, 3 strand polyamide rope.
The splices are protected with a sleeve. One end with thimbled loop, other end with hook PN131. Length: 1,50 m.

PN206
EN354

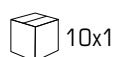


SINGER



Double lanyard (rope) in polyamide,
with energy absorber and karabiner
(PN300+PN112) and PN131 hook
at each end. Length: 1,50 m.

PN351
EN355



SINGER



2 braided polyamide lanyard (rope)
Length: 1.50 m.
PN112 karabiner at one end.
PN131 hooks at other ends.

PN231
EN354



SINGER



Lanyards, fall arresters

Work positioning lanyard.

Adjustable length
(maximum length 2.00 meters, with karabiners).
Ring type adjuster of forged alloy steel.
Easy to connect steel karabiners at both ends.
Made of 14 mm diameter polyamide.
3 strand rope. Equiped with 2 karabiners PN112.

PN241
EN358



SINGER



Work positioning lanyard.

Automatic grip adjuster for length adjustment.
14 mm diameter .
3 strand polyamide rope.
Maximum length: 2 meters.
Equiped with 2 karabiners PN112.

PN242
EN358



SINGER

AUTOMATIC GRIP ADJUSTER



Steel fall arrester.

Clasp on to flexible anchorage line of 14 mm.
With screw locking steel karabiner.

PN2000A
EN353-2



SINGER



Fall arrest.

Claps on to the 12 mm braided lanyard PN910K,
PN920K or on the 14 mm spliced rope PN910
or PN920.
With anti-panic system.
To be attached by screw alloy steel karabiner.

PN2007AP
EN353-2



SINGER



Anchorage line.

14 mm diameter spliced polyamide rope.
One side thimble loop.
Other side end stop knot.
Length: 10 m

PN910

EN353-2



SINGER



Anchorage line.

14 mm diameter spliced polyamide rope.
One side thimble loop.
Other side end stop knot.
Length: 20 m

PN920

EN353-2



SINGER



Anchorage line.

Braided polyester lanyard (rope).
Diameter : 12 mm.
One side thimble loop.
Other side end stop knot.
Length: 10 m

PN910K

EN353-2



SINGER

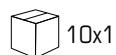


Anchorage line.

Braided polyester lanyard (rope).
Diameter : 12 mm.
One side thimble loop.
Other side end stop knot.
Length: 20 m

PN920K

EN353-2



SINGER

Lanyards, energy absorbers retractable fall arrester

Polyester webbing lanyard with energy absorber
PN300. Loop stitched at the ends.
Width: 44 mm. Length: 1.50 m.

PN321

EN355



SINGER



Energy absorber made up of 44 mm
wide polyester webbing
and shrink wrapped.

PN300

EN355



SINGER



Lanyard in polyamide (made up of 12 mm diameter,
3 strand polyamide rope) with energy absorber.
The splices are protected with a sleeve. One end
with thimble loop, other end with stitched loop.
Length: 1.50 m.

PN301

EN355



SINGER



Retractable webbing of 50 mm width.
Having a protective casing. Incorporating an energy
absorber for shock absorption.
Maximum length: 2,25 m.
Supplied with 2 steel karabiners.

PN2002

EN360



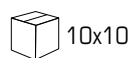
SINGER





Alloy steel screw locking karabiner.
Self closing and manual locking type.
Opening 16 mm.

PN112
EN362



10x10

SINGER



Aluminium screw locking karabiner.
Self closing and manual locking type.
Opening 21 mm.

PN116
EN362



20x10

SINGER



Aluminium quarter turn locking
karabiner.
Opening 20 mm.

PN117
EN362



10x10

SINGER



Safety hook.
Galvanized steel
Opening PN131: 55 mm.

PN131
EN362



25x1

SINGER



Safety hook.
Aluminium
Opening PN136: 60 mm.

PN136
EN362



25x1

SINGER



Anchorage hook
in stainless steel.
Opening: 140 mm.

PN141
EN362



30x1

SINGER

Anchorage line/Anchorage sling

Temporary horizontal anchorage life line made up of 30 mm polyester webbing. Equipped with ratchet tensioner. Available length: 20 meters. Both the ends are provided with auto locking steel karabiners. The whole system is supplied in a bag. Can be used by two peoples simultaneously.

PN3000

EN795 (class B)



x1

SINGER



Anchorage sling in polyester textile webbing.

PN807 : Length: 0.60 m

EN795 (class B)

PN807D : Length: 2.00 m

EN795 (class B)



20x1

SINGER



BAGS

Carriage bag in nylon + polypropylene. With badge holder. (45 x 19 x 19 cm).

PN903



50x1



Carriage bag.

SACKIT



250x1



Shoulder bag with badge holder and mobile phone pocket.

VERTISAC1



40x1





Single
use

FOLDABLE PARTICULATE RESPIRATORS HORIZONTAL FOLD FLAT - 3 PANELS DESIGN

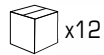
3 panels design. Large volume and exhalation valve improving the breathing of the user and decreasing the fatigue at work. Foldable design and easy carry/storage. Comfort and safety improved thanks to the ideal concept of this equipment. Latex free double elastic band. Adjustable invisible nosepiece to minimize leakage but maximize comfort. Smooth lining in polypropylene. Attractive and convenient dispenser boxes of **20 pieces**. Individually hygienically packed. Passes EN149: 2001 optional Dolomite (symbol « D ») clogging test for more comfortable breathing and high reliability. Approved to EN149 standard.



AUUMP10V

Box of 20 pieces.

FFP1 NR D



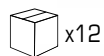
SINGER



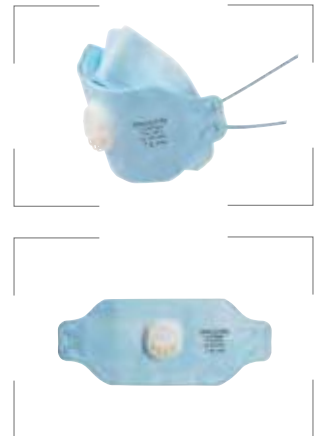
AUUMP20V

Box of 20 pieces.

FFP2 NR D



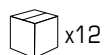
SINGER



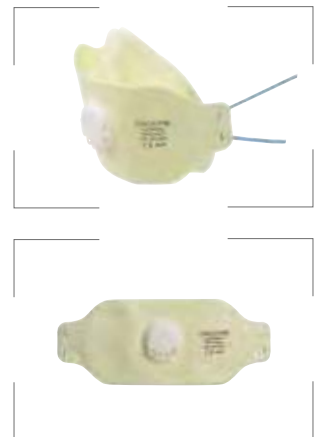
AUUMP30V

Box of 20 pieces.

FFP3 NR D



SINGER



CLASSIC FOLDABLE PARTICULATE RESPIRATORS

Horizontal fold-flat

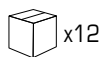
Latex free; nosepiece without metal, no metal used (avoid skin irritations). Continuous loop headstrap design allows to hang the mask around the neck when not in use. The unique shape of the respirators, pre-shaped, prevent from using metal nosepiece. Optional Dolomite («D» symbol) clogging test for more comfortable breathing. Passes EN 149 Norm.



AUUMP100SL

Box of 20 pieces.

FFP1 NR D



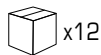
SINGER



AUUMP200VSL

With exhalation valve.
Make breathing easier.
Box of 20 pieces.

FFP2 NR D



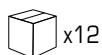
SINGER



AUUMP300VSL

With exhalation valve.
Make breathing easier.
Box of 20 pieces.

FFP3 NR D



SINGER

CLASSIC FOLDABLE PARTICULATE RESPIRATORS

Vertical fold-flat

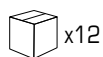
Patented headstrap buckle to adjust length of headstrap for various facial sizes. Cool latex-free textile braided headstrap for comfortable wearing. No staple used. Avoid contact between skin and metal. Continuous loop design allows to hang the mask around the neck when not in use. P.P. inner/outer layers provide smooth lining and a comfortable feel. Foldable design and easy carry/storage. Hygienic individual packaging. Boxes of **20 pieces**. EN149:2001 standard.



AUUMP31

Box of 20 pieces.

FFP1 NR



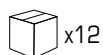
SINGER



AUUMP31V

With exhalation valve.
Make breathing easier.
Box of 20 pieces.

FFP1 NR



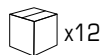
SINGER



AUUMP32V

With exhalation valve.
Make breathing easier.
Box of 20 pieces.

FFP2 NR



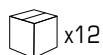
SINGER



AUUMP33V

With exhalation valve.
Make breathing easier.
Box of 20 pieces.

FFP3 NR



SINGER

COMFORT PARTICULATE RESPIRATORS

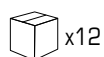
Passes EN149:2001 optional Dolomite (D) clogging test for more comfortable breathing. Patented headstrap buckle to adjust length of headstrap for various facial sizes. No metal used. Avoid contact between skin and metal and is suitable for those environments where metal is not allowed. Cool latex-free textile braided headstrap for comfortable wearing. Continuous loop headstrap design allows to hang the mask around the neck when not in use. Polypropylene (P.P.) inner layer provides the most intimate touch to your face. Pre-shaped nose cushion and soft closed-cell nose foam ensures a custom shape that increases worker comfort and acceptance. Embossed fringe seal avoids fluffy open layer around the edges. Contour design ensures the compatibility of spectacles/goggles and reduces fogging.



AUUM21

Box of 20 pieces.

FFP1 NR D



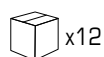
SINGER



AUUM21V

Same as AUUM21 but with exhalation valve.
Box of 10 pieces.

FFP1 NR D



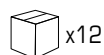
SINGER



AUUM22V

Exhalation valve.
Box of 10 pieces.

FFP2 NR D



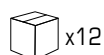
SINGER



AUUM23V

Exhalation valve.
Box of 10 pieces.

FFP3 NR D



SINGER

CLASSIC PARTICULATE RESPIRATORS

Face-piece respirators. Filters solid and liquid aerosols. Moulded series. Approved to EN149:2001 standard.

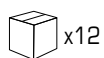
Passes EN149:2001 optional Dolomite (D) clogging test for more comfortable breathing. Polypropylene outer layer provides smooth lining and avoids loose fibers. Embossed fringe seal avoids fluffy open layer around the edges. Latex-free synthetic rubber double headstrap. Contour design ensures the compatibility of spectacles/goggles and reduces fogging. Soft nose foam and adjustable nosepiece ensures custom shape and increases worker comfort and acceptance.



AUUM10SL

Box of 20 pieces.

FFP1 NR D



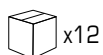
SINGER



AUUM10VSL

Exhalation valve.
Box of 10 pieces.

FFP1 NR D



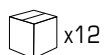
SINGER



AUUM20SL

Box of 20 pieces.

FFP2 NR D



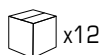
SINGER



AUUM20VSL

Exhalation valve.
Box of 10 pieces.

FFP2 NR D



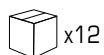
SINGER



AUUM30VSL

Exhalation valve.
Adjustable buckles. Facial foam.
Box of 5 pieces.

FFP3 NR D



SINGER

Respiratory protection

PARTICULATE RESPIRATORS

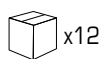
Latex free. The unique shape of the respirators, pre-shaped, prevent from using metal nosepiece. Optional Dolomite («D» symbol) clogging test for more comfortable breathing. Passes EN 149 Norm.



AUUMEC10

Box of 20 pieces.

FFP1 NR D



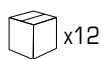
Prosur



AUUMEC20V

Box of 10 pieces.

FFP2 NR D



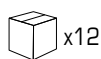
Prosur



AUUMEC30V

Metal free (avoid skin irritations). Continuous loop headstrap design allows to hang the mask around the neck when not in use. Box of 10 pieces.

FFP3 NR D



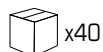
Prosur



AUUM3RB

Non-woven surgical mask, 3 ply.
Display box of 50 pieces.

EN14683 (Class I, type II)



SINGER



AUUMASQUE

Hygienic non woven mask. Metal nosepiece.
Elastic headband on ears.
Box of 50 pieces.

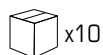


Prosur



AUUCRTBLANC

Non woven polypropylene bouffant cap with elastic.
Polybag of 100 pieces.

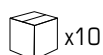


Prosur



AUUCRTCLIP

White non woven polypropylene clip round cap with elastic.
White colour.
Polybag of 100 pieces.



Prosur



Gloves



[LONG
WRIST]



AUU5000

Nitrile. AQL 1,5.
Powder free. Not sterile.
Rolled cuff. Ambidextrous.
Length: 295 mm(*).
Thickness: 0,16 mm(*).
Display box of 100 gloves.



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

SINGER

AUU4010

Nitrile. AQL 1,5.
Powder free. Non sterile.
Rolled cuff.
Ambidextrous.
Length: 245 mm(*).
Thickness: 0,12 mm(*).
Display box of 100 gloves.



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

SINGER



AUUNIT

Nitrile. AQL 1,5.
Powder free.
Non sterile. Rolled cuff.
Ambidextrous.
Length: 240 mm(*).
Thickness: 0,08 mm(*).
Display box of 100 gloves.



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

Prosur



(*) Average values

AUU1000

Latex. AQL 1,5.
Lightly powdered. Non sterile.
Rolled cuff. Ambidextrous.
Length: 245 mm(*).
Thickness: 0,14 mm(*).
Display box of 100 gloves.



10x1 6/7(S), 7/8(M), 8/9(L), 9/10(XL)

SINGER



AUULAT

Latex. AQL 1,5.
Lightly powdered. Non sterile.
Rolled cuff. Ambidextrous.
Length: 240 mm(*).
Thickness: 0,10 mm(*).
Display box of 100 gloves.



10x1 6/7(S), 7/8(M), 8/9(L), 9/10(XL)

Prosur



AUU2000

Vinyl. AQL 2,5.
Lightly powdered. Non sterile.
Rolled cuff. Ambidextrous.
Thickness: 0,06 mm. (*).
Length: 240 mm. (*).
Display box of 100 gloves.



10x1 6/7(S), 7/8(M), 8/9(L), 9/10(XL)

SINGER



AUU3000

Polyethylene.
Polybag of 100 gloves.

100x1 One size only

Prosur



(*). Average values



PLY500

Chemical protective coverall

Non-woven SMS fabric. 55 gms.
Waterproof seams with thermo-adhesive tape.

3 panels hood. Front zip fastening under large flap with self adhesive tape closure.
Elasticated waist, wrist and ankle.
Under individual polybag.

White colour



EN ISO
13982-1
TYPE 5

EN ISO
13034
TYPE 6

EN
1073-2

x50 L, XL, 2XL, 3XL

SINGER



PLY600

Chemical protective coverall

MICROPOROUS polypropylene non woven fabric. 65 gms.
Waterproof seams with thermo-adhesive tape.

3 panels hood.
Front zip fastening under flap with self adhesive tape closure. Elasticated waist, wrist and ankle.
Under individual polybag.

White colour



EN ISO
14605
TYPE 4

EN ISO
13982-1
TYPE 5

EN ISO
13034
TYPE 6

EN
1073-2

EN
14126

EN
1149-5

x50 L, XL, 2XL

SINGER



PLYULTI

Chemical protective coverall

MICROPOROUS polypropylene non woven fabric. 65 gms. Serged seams.

3 panels hood.
Front zip fastening under large flap with self adhesive tape closure.
Elasticated waist, wrist and ankle.
Under individual polybag.

White colour



x50 L, XL, 2XL, 3XL

SINGER



PLY56

Chemical protective coverall

Non woven SMS fabric. 55 gms. Serged seams.

3 panels hood. Front zip fastening under large flap with self adhesive tape closure. Elasticated waist, wrist and ankle.
Under individual polybag.

White colour



x50 L, XL, 2XL, 3XL

SINGER



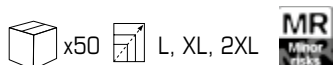
PLYCBC

«Minor risk» coverall

Polypropylene non woven. 35 gsm.

2 panels hood.
Front zipper.
Elasticated waist, wrist and ankle.
Under individual polybag.

White colour



x50 L, XL, 2XL

Prosur



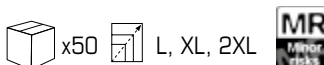
PLYCBCBLE

«Minor risk» coverall

Polypropylene non woven. 35 gsm.

2 panels hood.
Front zipper.
Elasticated waist, wrist and ankle.
Under individual polybag.

Blue colour



x50 L, XL, 2XL

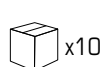
Prosur

Sleeves, coats, aprons and shoe covers



AUUTABLIER

Clean polyethylene apron with bib, slightly embossed.
125 x 81 cm.
Polybag of 100 pieces.



One size only

Prosur



AUUMTE

Clear polyethylene sleeves. 40 cm.
Elastic at both ends.
Polybag of 1000 pieces.



Prosur



AUUMTEBLE

Blue polyethylene sleeves.
40 cm. Elastic at both ends.
Polybag of 1000 pieces.



Prosur



AUUBLOUSE

Clear polyethylene coat with hood and plastic press studs.
Under individual polybag.
Bundle of 100 pieces.



Unique

Prosur



AUUCHA

Blue clean polyethylene shoe cover.
Elasticated ankle.
Polybag of 1000 pieces.



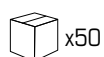
One size only

Prosur



PLYBLOUSE

Non woven polypropylene lab coat.
Plastic press studs fastening.
2 pockets. White colour.
Under individual polybag.



L, XL, 2XL

Prosur



AUUCHA2

White non woven polypropylene shoe cover.
Reinforced blue polyethylene sole. Elasticated ankle.
Polybag of 50 pieces.



One size only

Prosur

SINGER®

T 10

EN 388:2003

EN 12471:2001
TYPE A



A2+1.2



2+1.3X4X



LOT481 NTC-2004-11-12

818042

CE

The manufacturers and distributors of PPE (Personal Protective Equipment)

- Directive 89/686/EEC of 21 décembre 1989 «on the approximation of the laws of the member States relating to personal protective equipment. (The directive is fixing the different categories of PPE, the procedure of certification and is stating the general requirements they must comply in order to be in free circulation on the european market; it refers to specific european standards, compulsory or not, for specifying in details the technical provisions they must meet).
- Directive 93/68/EEC of 22 july 1993 amending the directive 89/686/EEC of 21 décembre 1989 regarding the new marking.
- Directive 93/95/CEE of 29 october 1993 amending the directive 89/686/EEC of 21 décembre 1989.
- Directive 96/58/EC of 03 september 1996 amending the directive 89/686/EEC of 21 décembre 1989.

Employers

They are subjected to the 89/656/CEE directive dated November 30th, 1989 « regarding the minimal prescriptions of safety and health for the needs by the workers at the work of personal protective equipments. The directive retails the obligation for employers to supply personal protective equipments when risks cannot be avoided by other ways » techniques of collective protection, or by measure, methods or procedures of work of organization.

This responsibility is reminded in the labour code article R.4321-4. The employer shall provide workers, when it is necessary, appropriate PPE, and in case of particularly dirty or unsanitary works, appropriate work clothes. It ensure their effective use.

The users of PPE

- Directive 89/656/CEE of 30 november 1989.

The directive is specifying the obligation given to the employers to supply personal protective equipment when hazards can not be avoided by other means.

From the facturer of PPE to the end-user through the employer, each player is empowered.

STAGE PRIOR TO PROTECTION: ANALYSIS OF RISKS AND PREVENTION.

Defining the concept of a risk

The risk is linked with concepts of danger and probability.

The risk is a real and potential threat for the health and/or the safety of the person.

Method of risk management: collective protection and prevention.

Identifying the foreseeable risks

- If possible, eliminate the risks, but if that is not possible:
- Isolate the risks (or move people away) to decrease their foreseeable harmful effect
- Announce (with panels, warnings) and inform people of the risks
(knowing the risks is the best way of protecting oneself against them!)
- Plan staff training on the measures to be taken in the event of an emergency: first aid plan.

When all the means of collective protection and prevention have been exhausted, **personal protective equipment (PPE) is to be used.**

PPE DEFINITION. The european directive 89/686/CEE of the 21 December 1989 gives us the following definition:

A «PPE» is a **Personal Protective Equipment** that is to say «any device or appliance designed to be worn or held by an individual for protection against one or more health and safety hazards».

They are 3 categories of PPE

PPE of «simple design» (for minor risks) (category 1)

The directive 89/686/CEE defines this category as following:

«where the designer assumes the user can himself assess the level of protection provided against the minimal risks concerned the effects of which, when they are gradual, can be safely identified by the user in good time».

This category shall cover exclusively PPE intended to protect the wearer against:

- mechanical action whose effects are superficial (gardening gloves, thimbles, etc.),
- cleaning materials of weak action and easily reversible effects (gloves affording protection against diluted detergent solutions, etc.),
- risks encountered in the handling of hot components which do not expose the user to a temperature exceeding 50°C or to dangerous impacts (gloves, aprons for professional use, etc.),
- atmospheric agents of a neither exceptional nor extreme nature (headgear, seasonal clothing, footwear, etc.),
- minor impacts and vibrations which do not affect vital areas of the body and whose effects cannot cause irreversible lesions (light anti-scalping helmets, gloves, light footwear, etc.),
- sunlight (sunglasses).

PPE of «intermediate design» (category 2)

These are the PPE which don't belong neither to the category I nor to the category II.

The manufacturer prepares a technical file and undertakes an EC type examination to a notified body.

After getting the EC type examination certificate from the notified body, the manufacturer or his representative completes an EC declaration of conformity for intermediate **category**.

PPE of «complex design» (category 3).

The directive 89/686/CEE defines this category as following: «(...)intended to protect against mortal danger or against dangers that may seriously and irreversibly harm the health, the immediate effects of which the designer assumes the user cannot identify in sufficient time».

In addition of the technical file and the EC type examination, the «PPE» of this category are subject to the «EC» quality control system for the final product or the system for ensuring EC quality of production by means of monitoring.

After getting the EC type examination certificate from the notified body, the manufacturer or his representative completes an EC declaration of conformity for «complex design».

This category shall cover exclusively:

- Filtering respiratory devices for protection against solid and liquid aerosols or irritant, dangerous, toxic or radiotoxic gases,
- Respiratory protection devices providing full insulation from the atmosphere, including those for use in diving,
- PPE providing only limited protection against chemical attack or against ionizing radiation,
- Emergency equipment for use in high-temperature environments the effects of which are comparable to those of an air temperature of 100°C or more and which may or may not be characterized by the presence of infra-red radiation, flames or the projection of large amounts of molten material,

- Emergency equipment for use in low-temperature environments the effects of which are comparable to those of an air temperature of - 50°C or less,
- PPE to protect against falls from a height,
- PPE against electrical risks and dangerous voltages or that used as insulation in high-tension work,
- Motor cycle helmets and visors.



PPE and European Standards

What is a norm?

Technical rules which defines the essential and relevant characteristics of a product (or a method) established in order to guarantee its quality, functioning or resistance.

Why a norm?

The norm has the advantage of giving the possibility to standardize, to harmonize and to compare. It is consequently easier for the consumer to make his choice; it improves his security and his confidence into the product.

Is it compulsory?

According to the reglementation the norm can be compulsory and restricting or it can comes in complement of the general requirements to bring additional security to the user.

General remarks : Standards as well as all general information 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 2 any case.

Protective eyewear

To ensure the transmission and the integration of images, the eye must imperatively retain a number of characteristics:

- The integrity of the ocular shell and its elasticity.
- The transparency of the cornea and the various transparent media of the eye.
- The good contact between nerve cells, involving a retina in place

The risks threatening the integrity of the eye are manifold:

- Mechanical hazard (crushing, grinding, sanding, cutting ...).
- Chemical risk and / or biological (dust, liquid projection ...)
- Risk Linked to radiation (UV, IR, welding ...)
- Thermal-Danger (foundries, refineries ...)
- Electric-Danger (short-circuit arc)

The general standard applicable to protective eyewear is the **EN166 standard** (Personal eye protection, specifications).

It provides, inter alia, for the mandatory marking of the temples and lenses). This standard (together with the EN168) also provides for mechanical equipment resistance tests.

EN166 2001

Optical Class

Optical class 1 = Continuous work (better quality)

Optical class 2 = Intermittent work

Optical class 3 = Occasional work (lower quality)

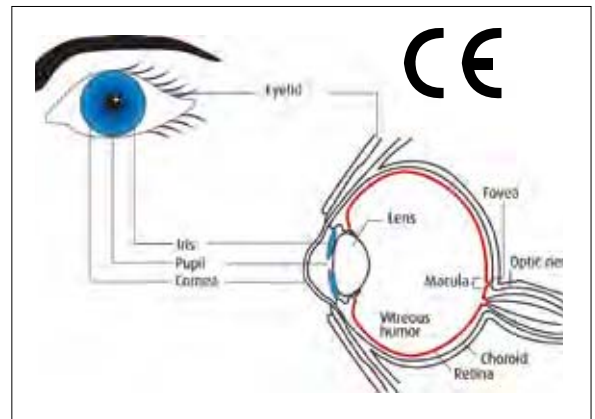
Identification symbols for mechanical strength

Symbol	Mechanical strength requirements
No symbol	Minimum robustness
S	Increased robustness
F	Low energy impact
B	Medium energy impact
A	High energy impact

Symbols for field of use

Symbol	Designation
Pas de symbole	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

Symbol T is used in conjunction with either F, B or A, to indicate that the eye protector conforms to the high speed particules classifications at extremes of temperature.



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. Transmittance requirements and recommended utilisation.
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 protection - Equipment for eye and face protection during welding and allied processes.
EN ISO 12312	Eye and face protection - Sunglasses and related eyewear



EN 170 SCALE NUMBER 2-1,2 - 2-1,7

Shade colour: clear, blue, yellow or green.

Colour perception: May be impaired unless marked "2C".

Typical application:

For use with sources which emit predominantly ultraviolet radiation at wavelengths shorter than 313 nm and when glare is not an important factor: this covers the UVC and most of the UVD Bands (b).

Typical sources (a)

Low pressure mercury lamps such as lamps used to stimulate fluorescence or «black lights», mercury lamps, germicidal lamps.

(a) (the example given for typical sources is for general guidance).

(b) The wavelengths of these bands are recommended by IEC (that is 280 nm to 315 nm for UVB and 100 nm to 280 nm for UVC).



EN 172 SCALE NUMBER 5-2

Shade colour: Smoke.

Use: Recommended general filter for most uses.

Designation (1):

Medium.

(1) The designation is not translated literally in various language versions of this standard since the filter 'darkness' will be considered differently according to the intensity of light experience in the countries concerned.

EN 172 SCALE NUMBER 5.3-1

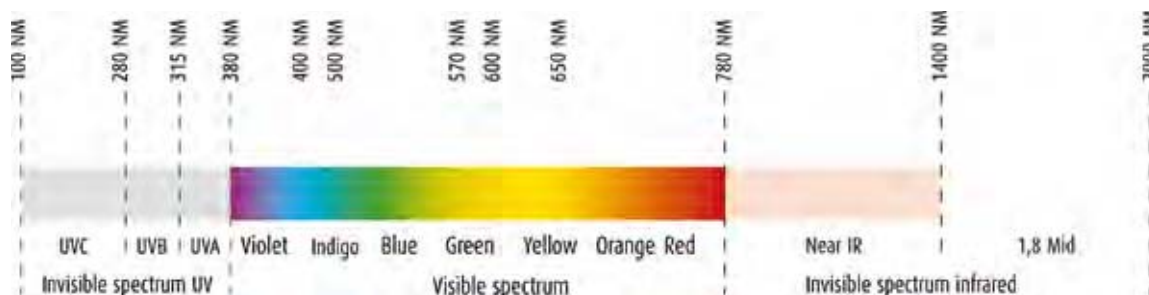
Colour: Smoke.

Typical application:

For use in the tropics and sub-tropics, for observation of the sky, for use in high mountain regions, snow covered areas, bright stretches of water, sandy plains, chalk and limestone quarries.

Designation (1): very dark.

(1) The designation is not translated literally in various language versions of this standard since the filter 'darkness' will be considered differently according to the intensity of light experience in the countries concerned.



The marking of oculars shall contain the relevant technical information presented as follows:

- Scale number (filters only) (optional) • Identification of the manufacturer • Optical class
- Symbol for mechanical strength (where applicable) • Symbol for resistance to short circuit electrical arc (where applicable)
- Symbol for non-adherence of molten metal and resistance to penetration of hot solids (where applicable)
- Symbol for resistance to surface damage by fine particles (where applicable) (symbol K)
- Symbol for resistance to fogging (where applicable) (symbol N) • Symbol for enhanced reflectance (where applicable) (symbol R)
- Symbol for original or replacement ocular (optional) (symbols O or ▽)
- In addition the ocular marking may include a certification mark and a mark to assist correct fitting of laminated oculars.

The marking of frames shall contain the relevant technical information presented as follows:

- Identification of the manufacturer* The number of this standard (EN166)
- Field(s) of use (optional) (depending of the model)
- Symbol for increased robustness/resistance to high speed particles/Extremes of temperature (where applicable)
- Symbol indicating that the eye protector is designed to fit a small head (where applicable) (symbol H)* Highest ocular scale number(s) compatible with the frame (where applicable)
- In addition the frame marking may include a certification mark.

Hazards related to falling objects:

The protection helmet plays a crucial part, which includes three aspects:

- Antipenetration function: reinforces the skull,
- Shock-absorbing function: absorbs shocks,
- Deflecting function: diverts the trajectory of the falling object.

Hazards resulting from impacts:

Less spectacular than falling objects, but more common, the helmet plays a protective role here too.

Electric hazards:

Helmets should be isolated and pass specific tests.

Projection hazards:

Liquid projection (chemicals), molten metal.



STANDARDS

EN 397 (EN397/A1) Industrial safety helmet.

This sets out the physical and performance requirements, testing methods and marking requirements of protection helmets for the industry.

The obligatory requirements apply to protection helmets for everyday use in industry.

Among the obligatory requirements are:

- shock absorption: a hard-hitting mass of 5.0 kg (+/- 0.1kg) is dropped onto the top part of the helmet at a height of 1000 mm (+/- 5 mm),

- penetration resistance: a hard-hitting mass of 3.0 kg (+/- 0.05 kg) with particular characteristics is dropped onto the top part of the helmet at a height of 1000 mm (+/- 5 mm); it is to be noted if contact between the point and false head is found,
- flame-resistance,
- chin-strap anchorage points.

Optional additional requirements are applicable only when specifically demanded by the manufacturer of the helmet.



EN 50365:2002
Electrically Insulating Helmets for use on low voltage installations

For staff working on or near energized parts facilities not exceeding 1000 V ac (Class 0) or 1500 V dc. These equipments, combined with other protections, should avoid dangerous currents to cross through the head.

EN 13087-1 to EN 13087-10 Protective helmets: test methods

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 14052 High performance industrial safety helmets.

EN 443 Helmets for firefighters.

Specifies the main required characteristics for such a firefighter and assistance helmet. It takes into account protection level, confort and life span of the helmet. It allows options to take into consideration particular national requirements.

Using watermelons for a dramatic demonstration of the protection given by an industrial safety helmets



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Important/preamble

Do not use filtering masks if the proportion of oxygene is inferior to 17% (these masks do not provide oxygene). Do not use in explosive atmospheres. Always control the state of the mask and its airtightness. Check that this type of product is compatible with the foreseen work. Check the concentrations (MAC/OEL/TLV and APF).

MAC = Maximum Admissible Concentration

OEL = Occupational Exposure limit

TLV = Treshold Limit Value

APF = Assigned Protection Factor

Before using the products, read carefully the informations given with them.

What is an aerosol?

It is a suspension in a gaseous environment (air or other gas - air and a gas composed of 21% of oxygene, 78% of nitrogene and 1% of other gas) with solid or liquid colloidal particles (size superior to the size of molecules). The fog and the clouds are aerosols.

Two types of aerosols are distinguished:

Solid aerosol

- Aerosol which base is water. When they are scatterbrained, the particles staying in the air can be dangerous.
- Liquid aerosol which base isn't water (example: base of alcohol, solvent, ...). In this case, the same nebulization can be dangerous.

What are the particles of matter (or dust)?

They are bodies sufficiently little to stay in suspension in the air. It exists different types of dust: vegetal (for example, the pollen), domestic (spores), industrial (broyage, grinding: rocks, metals,...), raw materials (for example asbestos).

The particles are defined according to their characteristics (natural), their size (dimension or granulometry), their concentration (M.V.E. = middle value of exposition).

According to their degree of dangerousity, we have three categories:

They make you feel ill-at-ease: they are inert particles (neither fibrogenes nor toxic) with a diameter superior or equal to 5 microns.

=> their action is limited to respiratory tracts: nasal pits, pharynx, larynx.

They are noxious: inert or particles o fibrógenas (not toxic), diameter between 5 and 0,2 microns.

=> their action are felt in the median respiratory tracts: trachea, artery and bronchitis.

Toxic: inert, toxic, fibrógenas particles, with a diameter between 0,2 and 0,02 microns.

=> they go into the respiratory tracts: air cells and bronchus.

How are they dangerous?

The particles that are inhaled can provoke numerous respiratory problems and serious diseases (cough, asthma, bronchitis)

STANDARDS

EN 149:

Protection respirator: Filtering half-mask against particles.

Required conditions, tests.

FFP1: Protection against non toxic solid and liquid aerosols with concentrations up to 4,5 x MAC/OEL/TLV or 4 x APF.

FFP2: Protection against non toxic and low-to-average toxicity solid and liquid aerosols, in concentrations up to 12 x MAC/OEL/TLV or 10 x APF.

FFP3: Protection against non-toxic, low-to-average toxicity and high toxicity solid and liquid aerosols, in concentrations up to 50 x MAC/OEL/TLV or 20 x APF.

EN 140

«Respiratory protective devices. Half-masks and quarter_masks. Requirements, testing, marking».

EN 14387

«Respiratory protective devices. Gas filters and combined filters. Requirements, testing, marking».

These filters are classified in types and class according to the use and the filtering capacity.

* * Types:

Type A (brown): against gas and organic vapours with a boiling point superior to 65°C

Type B (grey): against certain gas and inorganic vapours (excluding the carbon monoxide)

Type E (yellow): against sulphur dioxide, other gas, acid vapours

Type K (green): against ammonia and organic derivatives of ammonia.

** Class:

These 4 types have a class number

- 1 = filter of little capacity
- 2 = filter of middle capacity
- 3 = filter of high capacity

EN 14683:

Surgical masks.

Directive 93/42/EEC on medical devices.

Mask to protect the environment of the wearer of the mask.

Not to be confused with protective masks (EN149) to protect the wearer from the environment (Directive 89/686/EEC on PPE).

EN 143

Breathing protective equipment. Filters against particles. Required conditions, tests, marked. Classification according to the filter's efficiency P1, P2 or P3.

EN 136

Respiratory protective devices. Full face masks.

Requirements, testing, marking.

EN 14683: Requirements	Type I	Type IR	Type II	Type IIR
Bacterial filtration efficiency	> 95%	> 95%	> 98%	> 98%
Differential pressure	< 29,4 Pa	< 49,0 Pa	< 29,4 Pa	< 49,0 Pa
Splash resistance	NR	> 120 mm Hg	NR	> 120 mm Hg

Type IR and IIR are resistant to blood splashes

EN 149: Requirements	FFP1	FFP2	FFP3
Total inward leakage	< 22%	< 8%	< 2%
Maximum penetration of test aerosol (Sodium chloride or paraffin oil)	< 20%	< 6%	< 1%
Breathing resistance:			
- inhalation (30 l/min)	< 0,6 mbar	< 0,7 mbar	< 1,0 mbar
- inhalation (95 l/min)	< 2,1 mbar	< 2,4 mbar	< 3,0 mbar
- exhalation (160 l/min)	< 3,0 mbar	< 3,0 mbar	< 3,0 mbar



A number of hazards threatening the user's health and/or safety can be identified:

- Mechanical hazards: impacts, crushing, perforation...
- Chemical hazards: hazardous or corrosive products...
- Heat-related hazards: cold, heat, weather, molten metal projections...
- Electric hazards: electrical discharge, static electricity
- Hazards related to radiation and contamination: ultraviolet
- Biological hazards: allergies, irritations...
- Hazards related to the user's movements: skidding...

The materials used for those products are broken down into two classes:

** CLASS

Class 1: all leather and other materials (except for all rubber or all polymer).

Class 2: all rubber (fully vulcanised) or all polymer (fully moulded).

STANDARDS

There are 3 categories of shoes for professional use:

EN ISO 20345

Specifications for safety footwear for professional use.

Toe protection against shocks equivalent to a level of energy equal to **200J** and the risks of flattening under a maximal weight of **15 kN**.

EN ISO 20346

Specifications for protective shoes for a professional use.

Toe protection against shocks equivalent to a level of energy equal to **100J** and the risks of flattening under a maximal weight of **10 kN**.

EN ISO 20347

Specification for occupational footwear for professional use.

No specification about toe protection.

Test methods as well as specifications corresponding with norms requirements specified above are registered under the **EN ISO 20344** Standard.

Personal protective equipment - Test methods for footwear.

Besides of the general requirements, the shoes may comply with additional facultative requirements.

Examples:

- Shoes with steel midsole: symbol «**P**»
- Heel energy absorption: symbol «**E**»
- Sole resistant to heat contact (300 °C maximum): Symbol «**HRO**»
- Sole cold insulation: «**CI**» symbol

Categories identifiable by a code group combinations gather most of common requirements.

Examples:

- Symbol “**S1**”: EN ISO 20345 + closed back + anti-static properties + heel energy absorption + Hydrocarbon resistant.
- Symbol “**S3**”: EN ISO 20345 + closed back + anti-static properties + heel energy absorption + water seeping and absorption + anti-puncture sole + studded sole.

Determination of slip resistance:

Marking **SRA**: Slip resistance on ceramic tile floor with SLS.

Marking **SRB**: Slip resistance on steel floor with glycerol.

Marking **SRC**: SRA + SRB

Too often the negative effects of noise in our everyday life at home or at work are badly known and are underestimated. Yet the consequences can be serious and irreversible. In order to remedy that, it is essential to be aware of the dangers and risks, and of the steps to be taken in the area of sound insulation and protective equipment.

What is sound? Its consequences?

Sound is a vibration (wave) in an environment (air for instance), whose pitch is higher or lower (frequency, expressed in Hertz). There are various characteristics to those waves:

1/ Their frequency (i.e. the number of vibrations per second, expressed in Hertz – Hz = 1 vibration per second). High-pitch sounds have a high frequency, low pitch sounds have a low frequency.

2/ The sound intensity is expressed in decibels (dB). It is said that a noise exceeding 85dB should trigger an alert, and that beyond 90dB, it becomes dangerous.

However, a noise can also be dangerous because of its frequency, its duration, its nature (continuous, intermittent, sudden, etc...).

In addition to auditory stress and gradual industrial deafness, noise can have adverse effects on work quality and result in psychosomatic effects in individuals (stress, tiredness, anxiety, etc.).

STANDARDS

EN 352-1

Hearing protectors.

Part 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. This standard does not apply to ear-muffs to be settled on security helmets or integrated to helmets.

EN 352-2

Hearing protectors.

Part 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 EN24869-1 standard.



The regulation on material has recently changed with the registering of the European directive 2003/10/CE by the decree no. 2006-892 of July 19th 2006.

Since 2006 the exposure thresholds have been lowered. The first exposure threshold from which action has to be taken is 80dB (A) for 8 hours.

Daily exposure times to the noise requiring action

Noise level in dB (A)	Maximum exposure time
80	8h
83	4h
86	2h
89	1h
92	30 min
95	15 min
98	7.5 min

Being exposed for 8 hours to 80 dB (A) is exactly as dangerous as being exposed to 89 dB (A) for 1 hour!

EN 352-3

Hearing protectors.

Part 3: Ears-muffs attached to an industrial safety helmet.

This standard specifies the requirements for the construction, conception, performance and printing of ears-muffs attached on industrial helmets in conformity with EN 397 standard as well as information for end-user. It stipulates particularly the acoustic fading of ears-muffs attached on industrial helmets in conformity with EN 24869-1. As a same ear-muff can be attached on different models or sizes of industrial security helmets, the actual part of standard specifies many physics and acoustic requirement functions of the models or the size of the helmet ear-muffs are attached on. Requirements apply fully to the base combination, that is to say helmet and ear-muffs attached 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.

EN 352-4

Hearing protectors.

Part 4: Level-dependent ear-muffs.

This european standard complies with acoustic fading of ears-muffs functions of its level. This standard specifies the requirements in field of construction, conception, performance and printing for end-user regarding incorporation of fading disposal functions of the level.

EN 352-8

Hearing protectors.

Part 8: Entertainment audio 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 regarding the electro-acoustic for entertainment (please consult also EN458; EN13819 standards...)

The main risks:

- thermal risks (cold, heat, wind, flame, metal projections ...)
- risks related to poor visibility (building sites, roads...)
- chemical risks (dust, gas...)
- mechanical risks (cuts, shocks, tears, perforations...)
- biological risks (contamination by viruses, bacteria...)
- electric and electrostatic risks.

Clothing will be selected according to its ability to protect against the risk encountered but also depending on its comfort, its aestheticism, its functionality (adjustment methods, pockets, fastenings...).

STANDARDS**EN ISO 13688: General requirements**

(This standard cannot be used alone but only in association with a specific norm).

**EN ISO 11611: Protective clothing for use in welding and allied processes**

Two protective classes. Class 1 being the lowest.

Class 1 corresponds with protection for minor risks and for situation which would cause the less projections and a weak radiant heat.

Class 2 protects from more important risks which could include more projections and a more important radiant heat. Letter A1 or A2 corresponds with the method used for spreading of the flamme, in conformity with the norm ISO 15024/2000.

**EN ISO 11612: Protective clothing - Clothing to protect against heat and flame**

- **Limited flame spread** (code letter A1 and/or A2 according to the test method used)
- **Convective heat** = code letter B.
Classification from B1 to B3.
- **Radiant heat** = code letter C.
Classification from C1 to C4.
- **Molten iron splash** = Code letter E.
Classification from E1 to E4.
- **Contact heat** = Code letter F.
Classification from F1 to F3.

Each garment must bear the code letters A1 and / or A2 plus at least another code letter.

**EN 342: Protective clothing against cold.**

Temperatures **lower than -5°C**

**EN 14058: Garments for protection against cool environments**

Temperatures of **-5°C and more**

**EN 343: Protective clothing against bad weather**

- resistance to **water penetration**
class 1 to 3, class 1 is the lowest level
- resistance to **water vapour resistance**
class 1 to 3, class 1 is the lowest level.

**EN ISO 20471: High visibility clothing**

The minimum surface of each visible material in m² will determine the class of the garment.

Minimum area in m ²	Class 3 garments	Class 2 garments	Class 1 garments
Background material	0,8	0,50	0,14
Retro-reflective material	0,2	0,13	0,10
Combined performance material	—	—	0.20

Background fluorescent coloured material, for the day

Fluorescence is the ability of a material to reflect more light than it receives.

Consequently fluorescent colors seem more vivid than those which does not have this property

Retro-reflective material for night

A retro-reflector is a device capable of reflecting the light it receives back in directions close to the source. Thus the driver who light a pedestrian in the night with the headlights of his vehicle, can identifies very quickly the garment which features a retro-reflective material.

The coefficient of retro-reflection of the retro-reflective material must be class 2 to comply with EN ISO20471 (class 1 of previous EN471 standard has been cancelled).

(x) The figure next to the symbol indicates the class of the garment according to the compulsory minimum area.

**EN 531**

Protective clothing for industrial workers exposed to heat (excluding firefighter's and welders' clothing).

**(EN 943, EN 14605, EN ISO 13982, EN 13034) Protective clothing for use 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: Performance requirements and tests methods for protective clothing against infective agents.



EN 1073-2: Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination.



EN 1149-5: Electrostatic properties. Part 5: Material performance and design requirements.

Hands are precious but vulnerable. However, people continue not to take care of their security when they work.

The hands suffer because of lots of attacks, wounds, cuts (due to the heat or to chemical products), pittings, electric discharges shocks, flattenings, ... In numerous occasions, the lack of protection or the negligence in the choice of an adapted equipment causes damages that can be important and also irreversible (28% of the accidental causes during the work in 1998, that is to say the higher proportion compared to the proportions of the other members of the body). To protect oneself and decrease the risks, it is imperative to use adapted and resistant gloves according to standards of reference.

STANDARDS

EN 420

«General requirements for gloves»
(glove design and construction, innocuousness, size, marking, information supplied by the manufacturer...).



EN 388

Mechanical risks, 4 tests.

Mechanical data	Level 1	Level 2	Level 3	Level 4	Level 5
Abrasion resistance (number of cycles)	100	500	2000	8000	-
Blade cut resistance (indice)	1,2	2,5	5,0	10,0	20,0
Tear resistance (in newtons)	10	25	50	75	-
Puncture resistance (in newtons)	20	60	100	150	-

EN 388, 6.1 – Abrasion resistance

This test is carried out using an instrument known as a Martindale tester in which the material to be tested is placed on a bed and a rubbing head of fixed size and weight, covered with a standard abrasive material, is moved in a circular motion over the test specimen. Four samples of the material are tested and the test result is the number of cycles required to rub through the material. The standard abrasive material used in this test is severe in action, it is unusual for textile materials to withstand the 2000 cycles required to meet performance level 3.

The performance level of a single material is decided by the lowest result of the four tests in accordance with the table above. For multiple layer materials each layer is tested separately.

EN 388, 6.2 – Blade cut resistance

The instrument used for this test consists of a circular, free rotating blade, under pressure from a standard weight, which is moved backwards and forwards over the surface of the test material over a fixed stroke length. The test result is the number of cycles taken for the blade to cut through the material. To take the sharpness of the blade into account the test is performed using a standard material before and after testing the sample, the mean of these two tests on the standard material is defined as blade cut index 1. The test result is the ratio of the number of cycles required to cut through the sample to the number of cycles required to give blade cut index 1.

Where multiple layer materials are involved the layers are assembled and tested as they would be in the garment.



EN 407

Protective gloves against thermal risks (heat and/or fire)

- Burning behaviour - Contact heat - Convective heat
- Radiant heat - Small splashes of molten metal
- Large splashes of molten metal

EN 1149 (1, 2 et 3)

Electrostatics properties
(in general for garments, see EN420 point 4.5).

EN659 Protective gloves for fire fighters.

EN 1082 (1.2.3)

Gloves and arm guards protection against cuts and stabs by hand knives.

Part 1: chain mail gloves and arm guards.

Part 2: gloves and arm guards made of material other than chain mail.

Part 3: impact cut test for fabric, leather and other materials.



EN 388, 6.3 – Tear resistance




In this test a sample of material to be tested is prepared in a standard way and clamped in the jaws of a strength testing machine. The jaws are moved apart at constant speed and the force needed to tear the material measured. For single materials the performance level is given by the lowest result of four tests. For multiple layer items each layer is tested separately, four tests carried out on each material. The performance level is based on the lowest individual result of the most tear resistant material.

EN 388, 6.4 – Puncture resistance

This test uses a standard, rounded point which is pushed through the material at a fixed speed and the force required for the point to penetrate through the material is measured. Where multiple layer materials are involved the layers are assembled and tested as they would be in the garment. Performance levels are awarded in accordance with the lowest of four test results.

EN 374 (1-2-3)

Protective gloves against chemicals and micro-organisms.

EN374 	This pictogram, water impermeable and low protection against chemicals , is used when the glove only conforms to the penetration test and did not succeed the permeation test. Tested as per EN374-2 (5.2 and 5.3)
EN374 	This pictogram is used when the glove conforms both to the penetration test and to the permeation test. Tested as per EN374-2 as mentioned above and EN374-3 . Three codification letters corresponding to the 3 chemicals tested must be mentioned below the pictogram.
	This pictogram (resistant to micro-organisms) is used when the glove conforms to the penetration test with at least one level 2 .

EN 374: 1

Terminology and performance requirements.

EN 374-2. Determination of resistance to penetration

Penetration is defined as being the passing of a chemical (or of a micro-organism) through a glove on a **non-molecular scale**, through the seams and imperfections...

The gloves must be tight during the air and water leak testing.

EN 374-3. Determination of resistance to permeation.

By permeation one understands the mechanism by which the chemical crosses the material of a protective glove on a **molecular scale**. A list of 12 standard chemicals is defined. Each one of these chemicals is codified by an identification letter.

Letter Code	Chemical	Cas number	Class
A	Methanol	67-56-1	Primary alcohol
B	Acetone	67-64-1	Ketone
C	Acetonitrile	75-05-8	Nitrile
D	Dichloro-methane	75-09-2	Chlorinated hydrocarbon
E	Carbone Disulphur	75-15-0	Organic compound containing Sulphur
F	Toluene	108-88-3	Aromatic hydro-carbon
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 Hydro-carbon
K	Sodium hydroxide 40%	1310-73-2	Inorganic base
L	Sulphuric acid 96%	7664-93-9	Inorganic mineral acid

Each glove will have to be tested against at least **3** of these chemicals and for which a passage time of at least **30 minutes (class 2)** was obtained.

The breakthrough time (classified from 1 to 6) is defined as being the necessary duration for the chemical to pass from the external surface of the glove material to the other side of the material.

Breakthrough time	Class	Breakthrough time	Class
> 10 minutes	Class 1	> 120 minutes	Class 4
> 30 minutes	Class 2	> 240 minutes	Class 5
> 60 minutes	Class 3	> 480 minutes	Class 6



EN 12477

Protective gloves for welders.

Gloves type A : when high dexterity is required as for T.I.G welding processes.

Gloves type B : for other processes of welding.



EN 421

Protective gloves against ionizing radiation and radioactive contamination.



EN 511

Protective gloves against cold

Convective cold (level 0 to 4)

Contact cold (level 0 to 4)

Water proofness (level 0 to 4)



EN 60903

Gloves for electrical works

(TE = Tension of use V = volt).

Tested	Tension of use	Class	Category
2500 V	500 V	00	M
5000 V	1000 V	0	M
10000 V	7500 V	1	M
20000 V	17000 V	2	M
30000 V	26500 V	3	M

HAND PROTECTION

Acetaldehyde	Green	Yellow	Orange	Teal
Acetic acid anhydride 50%	Green	Yellow	Orange	Teal
Acetic butyl ester	Green	Yellow	Orange	Teal
Acetic ethyl	Green	Yellow	Orange	Teal
Acetic methyl	Green	Yellow	Orange	Teal
Acetic potassium	Green	Yellow	Orange	Teal
Acetic propyl ester	Green	Yellow	Orange	Teal
Acetone	Green	Yellow	Orange	Teal
Acrylonitrile	Green	Yellow	Orange	Teal
Ammonium chloride	Green	Yellow	Orange	Teal
Ammonium hydrate	Green	Yellow	Orange	Teal
Amyl alcohol	Green	Yellow	Orange	Teal
Anhydrous hydrogen chloride	Green	Yellow	Orange	Teal
Aniline	Green	Yellow	Orange	Teal
Animal fat	Green	Yellow	Orange	Teal
Aqua regia	Green	Yellow	Orange	Teal
Asphalt	Green	Yellow	Orange	Teal
Benzaldehyde	Green	Yellow	Orange	Teal
Benzene	Green	Yellow	Orange	Teal
Benzol	Green	Yellow	Orange	Teal
Bleach	Green	Yellow	Orange	Teal
Bleaches (hair)	Green	Yellow	Orange	Teal
Butanol	Green	Yellow	Orange	Teal
Calcium chloride	Green	Yellow	Orange	Teal
Calcium phosphate	Green	Yellow	Orange	Teal
Carbon tetrachloride	Green	Yellow	Orange	Teal
Castor oil	Green	Yellow	Orange	Teal
Chlorine	Green	Yellow	Orange	Teal
Chloroacetone	Green	Yellow	Orange	Teal
Chlorobenzene	Green	Yellow	Orange	Teal
Chloroform	Green	Yellow	Orange	Teal
Chromic acid 50%	Green	Yellow	Orange	Teal
Citric acid	Green	Yellow	Orange	Teal
Creosote	Green	Yellow	Orange	Teal
Cresol	Green	Yellow	Orange	Teal
Cuttings oil	Green	Yellow	Orange	Teal
Cyclohexane	Green	Yellow	Orange	Teal
Cyclohexanol	Green	Yellow	Orange	Teal
Cyclohexanone	Green	Yellow	Orange	Teal
Diacetone alcohol	Green	Yellow	Orange	Teal
Dibutyl ether	Green	Yellow	Orange	Teal
Dibutyl phtalate	Green	Yellow	Orange	Teal

Dibutylphtalate	Green	Yellow	Orange	Teal
Dichloroethane	Green	Yellow	Orange	Teal
Diesel	Green	Yellow	Orange	Teal
Diesel oil	Green	Yellow	Orange	Teal
Diethanolamine	Green	Yellow	Orange	Teal
Diethylamine	Green	Yellow	Orange	Teal
Di-isobutyle Ketone	Green	Yellow	Orange	Teal
Di-isocyanure	Green	Yellow	Orange	Teal
Dimethyl formamide	Green	Yellow	Orange	Teal
Dimethylformamide	Green	Yellow	Orange	Teal
Dimethylsulfoxyde	Green	Yellow	Orange	Teal
Dioctyl phtalate	Green	Yellow	Orange	Teal
Diocylphtalate	Green	Yellow	Orange	Teal
Ethanol (anhydrous)	Green	Yellow	Orange	Teal
Ether	Green	Yellow	Orange	Teal
Ethylamine	Green	Yellow	Orange	Teal
Ethylaniline	Green	Yellow	Orange	Teal
Ethylene glycol	Green	Yellow	Orange	Teal
Expoxyde resin	Green	Yellow	Orange	Teal
Fermentation alcohol	Green	Yellow	Orange	Teal
Fertilizer	Green	Yellow	Orange	Teal
Fluoride	Green	Yellow	Orange	Teal
Formal	Green	Yellow	Orange	Teal
Formaldehyde (30%)	Green	Yellow	Orange	Teal
Fuel oil	Green	Yellow	Orange	Teal
Furfural	Green	Yellow	Orange	Teal
Gasoline car	Green	Yellow	Orange	Teal
Glacial acetic acid	Green	Yellow	Orange	Teal
Glycol	Green	Yellow	Orange	Teal
Herbicides	Green	Yellow	Orange	Teal
Hexane	Green	Yellow	Orange	Teal
Household detergents	Green	Yellow	Orange	Teal
Hydrazine 65%	Green	Yellow	Orange	Teal
Hydrobromic acid	Green	Yellow	Orange	Teal
Hydrofluoric acid 30%	Green	Yellow	Orange	Teal
Isopropanol	Green	Yellow	Orange	Teal
Kerosene	Green	Yellow	Orange	Teal
Lacquer thinner	Green	Yellow	Orange	Teal
Magnesia	Green	Yellow	Orange	Teal
Methanamine	Green	Yellow	Orange	Teal
Methanol	Green	Yellow	Orange	Teal
Methylaniline	Green	Yellow	Orange	Teal

HAND PROTECTION

Methylene bromide	Green	Yellow	Orange	Teal
Methylene chloride	Green	Yellow	Orange	Teal
Methylethylketone	Green	Yellow	Orange	Teal
Mineral oils	Green	Yellow	Orange	Teal
Naphtalene	Green	Yellow	Orange	Teal
Nickel chloride	Green	Yellow	Orange	Teal
Nitric acid 20%	Green	Yellow	Orange	Teal
Nitric ammonium	Green	Yellow	Orange	Teal
Nitric calcium	Green	Yellow	Orange	Teal
Nitric potassium	Green	Yellow	Orange	Teal
Nitric sodium	Green	Yellow	Orange	Teal
Nitrobenzene	Green	Yellow	Orange	Teal
Nitromethane	Green	Yellow	Orange	Teal
Nitropropane	Green	Yellow	Orange	Teal
Octyl alcohol	Green	Yellow	Orange	Teal
Oleic acid	Green	Yellow	Orange	Teal
Oxalic acid	Green	Yellow	Orange	Teal
Paint strippers (and varnishes)	Green	Yellow	Orange	Teal
Paint thinners	Green	Yellow	Orange	Teal
Pentachlorophenol	Green	Yellow	Orange	Teal
Perchloroethylene	Green	Yellow	Orange	Teal
Phenol	Green	Yellow	Orange	Teal
Phosphoric acid	Green	Yellow	Orange	Teal
Picric acid	Green	Yellow	Orange	Teal
Pine oils	Green	Yellow	Orange	Teal
Polyester resin	Green	Yellow	Orange	Teal
Potassium bicarbonate	Green	Yellow	Orange	Teal
Potassium chloride	Green	Yellow	Orange	Teal
Potassium hydroxyde 50%	Green	Yellow	Orange	Teal
Potassium iodide	Green	Yellow	Orange	Teal
Potassium phosphate	Green	Yellow	Orange	Teal
Potassium sulfate	Green	Yellow	Orange	Teal
Printing ink	Green	Yellow	Orange	Teal
Propane	Green	Yellow	Orange	Teal
Propanol	Green	Yellow	Orange	Teal
Propylene dichloride	Green	Yellow	Orange	Teal
Propylene oxide	Green	Yellow	Orange	Teal
Pyridine	Green	Yellow	Orange	Teal
Silicane	Green	Yellow	Orange	Teal
Silicon	Green	Yellow	Orange	Teal
Sodium bicarbonate	Green	Yellow	Orange	Teal
Sodium carbonate	Green	Yellow	Orange	Teal

Sodium chloride	Green	Yellow	Orange	Teal
Sodium hydroxyde 50%	Green	Yellow	Orange	Teal
Sodium iodide	Green	Yellow	Orange	Teal
Sodium phosphate	Green	Yellow	Orange	Teal
Sodium sulfate	Green	Yellow	Orange	Teal
Solvents for rubber	Green	Yellow	Orange	Teal
Stoddard solvent	Green	Yellow	Orange	Teal
Styrene	Green	Yellow	Orange	Teal
Sulfuric acid 10%	Green	Yellow	Orange	Teal
Sulfuric acid 95%	Green	Yellow	Orange	Teal
Sulfuric ether	Green	Yellow	Orange	Teal
Tartaric acid	Green	Yellow	Orange	Teal
Tetrachloroethane	Green	Yellow	Orange	Teal
Tetrachloroethylene	Green	Yellow	Orange	Teal
Tin chloride	Green	Yellow	Orange	Teal
Toluene	Green	Yellow	Orange	Teal
Trichloroethylene	Green	Yellow	Orange	Teal
Turpentine	Green	Yellow	Orange	Teal
Vegetable oils	Green	Yellow	Orange	Teal
White spirit	Green	Yellow	Orange	Teal
Xylene	Green	Yellow	Orange	Teal
Xylophene	Green	Yellow	Orange	Teal
Zinc sulfate	Green	Yellow	Orange	Teal

■ Latex
 ■ Neoprene
 ■ Nitrile
 ■ PVC

+++ : Very good, for prolonged use but within the passage time (*)

++ : Good, for intermittent contact with the chemical material for less than the passage time (*)

+ : Average, against hazardous splashes (*)

0 : Not recommended, do not use this gloves in this matter against the chemical (*)

(*) Passage time : is defined as being the necessary 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 EN374-3.

This guide only provides general information on materials and can not engage the responsibility of Singer Frères.

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 EN374 and the levels obtained from the chemical involved.

When personal protective equipment cannot be used, protection of people at work must be ensured by an suitable fall arrest device, which will prevent from a fall of 1 meter maximum or which will limit in the same conditions the effects of a fall from a more important high. When such a personal protective equipment is used, the worker must never beeing alone in order to be rescued as soon as possible.

(2004-927 Decree - 1. september 2004).

A personal fall arrest protection device includes several crucial elements and a set of standards:

- Body holding device (with one or more hooking points)
- Link between that device and an anchoring point
- Anchor device (anchoring point and structural anchor)

> Body holding

The **safety harness**, body holding system designed to prevent falls, attached directly to the user.

This system can include various parts:

straps, buckles, etc...

A harness includes at least one anchoring point (or attaching point) providing a link with a lanyard.

This part is covered by standard EN361: «Personal protective equipment against from falls from a height: full body harnesses».

The harness may also include a belt (body holding device around the waist).

The belts are covered by standard EN358:

Personal protective equipment for work positioning and prevention of falls from a height:

«Belts for work positioning and restraint and work positioning lanyards».

The belts can also be used as work positioning and retention belts, when hooked up to a lanyard (in this case, the gear does not fulfil the fall arrest function).

> Anti - fall link (connecting element)

It is the link between the person – the harness – and the anchoring point.

It is a lanyard that is typically made from rope, synthetic fiber, metal wire, strap or chain.

Maximum length = 2 meters.

This part is covered by standard **EN 354** «Personal protective equipment against falls from a height: Lanyards».

These elements can include an energy absorber; the energy absorber helps absorb the impact of a fall. This element is covered by standard **EN 355** «Personal protective equipment against falls from a height: Energy absorbers».

The 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, thereby reducing the braking force to a non harmful level.

The anti-fall link is equipped with a connector that links to both: to the harness (fastening point) and to the anchoring point.

The connectors can be made directly with the lanyard and/or the energy absorber or sold separately and fitted on using a karabiner.

The connectors are covered by standard **EN 362**

«Personal protective equipment against falls from a height : Connectors».

Iron or steel connectors should be protected against corrosion.

> A anchor device

Structural anchor - anchor device - anchoring point - PPE.

Structural anchor - PPE.

The anchoring device is covered by standard EN795

«Protection equipment against falls from a heights - Anchor devices – Requirements and testing».

(EN 795: 1996)

- Anchorage disposal

«Component or series of components containing one or many anchorage points (EN795: 1996)

- The anchorage system is in conformity with the EN795 standard «Protection equipment from a heights - Anchor devices - Requirements and testing».

Various classes are defined in the standard according to the anchoring type.

Class A1 Structural anchors designed to be secured to vertical, horizontal and inclined surfaces - PPE.

Class A2 Structural anchors designed to be secured to inclined roofs - PPE.

Class B Transportable temporary anchor devices - PPE.

Class C Anchor devices employing horizontal flexible lines - non PPE.

Class D Anchor devices employing horizontal rigid anchor rails - PPE.

Class E Dead weight anchors for use on horizontal surfaces - PPE.

There can be safeguard supports between the anchors :

- anchor rail connectable to PPE
- flexible anchor line connectable to PPE



> Other products

- Guide type fall arresters on a rigid anchorage line: **standard EN 353-1**

«Retail system made of rigid anchorage line, mobile fall arrest system with automatic fall arrester and of a lanyard settled to the mobile fall arrester. An Energy absorber can be added to the mobile fall arrester, to the lanyard or to the anchorage line (EN363).

- Static resistance: rigid anchorage line with settled mobile fall arrester and the lanyard: resist to a 15 kN force
- Dynamic performance: trial mass of 100 kg, braking force does not go over 6kN and stopping distance does not go over 1.0 m.

- Guide type fall arresters on a flexible anchorage line: **standard EN 353-2**

«Retail system made of flexibel anchorage line, mobile fall arrest system with automatic fall arrester and of a lanyard settled to the mobile fall arrester. An energy absorber can be added to the mobile fall arrester, to the lanyard or to the anchorage line (EN363).

- Static resistance:
 - anchorage line: resist to a 20 kN force
 - anchorage cable: resist to a 15 kN force
- Dynamic performance: trial rigid mass of 100 kg, braking force does not go over 6kN and stopping distance does not go over 3.0 m.

EN360 Personal protective equipment against falls from a height- Retractable type fall arresters.

> Other standards

EN 365 Personal protective equipment against falls from a height: General requirements for instructions for use and for marking».

EN 363 Personal protective equipment against falls from a height - Fall arrest system.

(...) this standard describes, using examples, the manner in which components or component assemblies can be connected in a fall arrest system. These examples should help the buyer or user assemble all components properly and form a fall arrest system» (does not include anchoring points).

This standard also specifies «that a fall arrest harness and a lanyard without an energy absorber should not be used as a fall arrest system.»

EN 364 Personal protective equipment against falls from a height. Test methods. Specifies the test methods for elements of a PPE fall arrest system and device.

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SINGER 
safety

Just one strategy :
your satisfaction

Organisation...

Finding the means of real independence

Guaranteeing an efficient service, becoming ever more responsive, offering a real service quality to exceed customer requirements... Patrick and Laurent Singer, the third generation of managing brothers, set themselves so many objectives.

In order to make achieving these ambitions possible, a new organisation was set up in 2005, materialising with the construction of a 5000 m² logistics platform on the North Sea coast, in the Dunkirk region.

This ultra-modern facility, intended for the storage and distribution of more than 1200 products (more than 3.5 million items permanently), has enabled organisation to be optimised and is the pledge of a shared development among all Singer Frères partners.

The story

Going back in time...

The story starts over 100 years ago in Saint-Omer in the North of France. Two brothers, Achille and Maurice, tan and transform hides to produce articles of saddlery.

...and following the paths that lead to P.P.E.

The story could have stopped at the time of the Second World War, in the ruins of the Audomaraise tannery, which was destroyed by bombings. But it is during these post-war years that a demand for protective gloves, primarily out of leather, starts to emerge, allowing the company to then get back on its feet.

It is the beginning of a new development.

An opening...

Taking the world as a partner

Michel and Etienne, the two sons of Maurice, are then in control of the company. They invest in modern production tools to meet the growing demand of the market. The story picks up speed in the Seventies. The visionary company anticipates the changes which are to gradually mark the world economy and the French company. It then sets about gradually sharing out its know-how through collaborating with loyal partners. Its strategic positions enable it to design and manufacture new products whilst at same time widening its influence on the European market.

Know-how...

Standing out through excellence

Singer Frères' know-how is shown not only in the quality and reliability of the products and services on offer, but also in the quality of the relationships of trust and progress that the company has succeeded in establishing with all its partners.



The future...

Creating the products of tomorrow today

New materials, new technology, new trends... the individual protection equipment has to be even more ergonomic from now on, more anatomical, more effective and it must follow trends in fashion closely. More than ever Singer Frères is putting its energy into offering you safe and comfortable PPEs which are up-to-date with current trends.





At Singer® safety, everything is designed to promote your development

SINGER® 
safety



Bags, briefcases, carrying cases, etc.

All designed to enhance the effectiveness of your operations in the field



The eyewear

MAL SECUREVA



The gloves

SACGOLDEX NOIR



The garments

VALISEROUL

Products, standards, risks...

Customized training sessions on your premises.

Everything is designed to enhance the expertise of your sales staff



Shop in shop, display boxes, POSA...

Everything is designed to stimulate business at your points of sale



Naturally, ideal solutions are available for the development of your PPE sales

+33 3 28 28 29 00

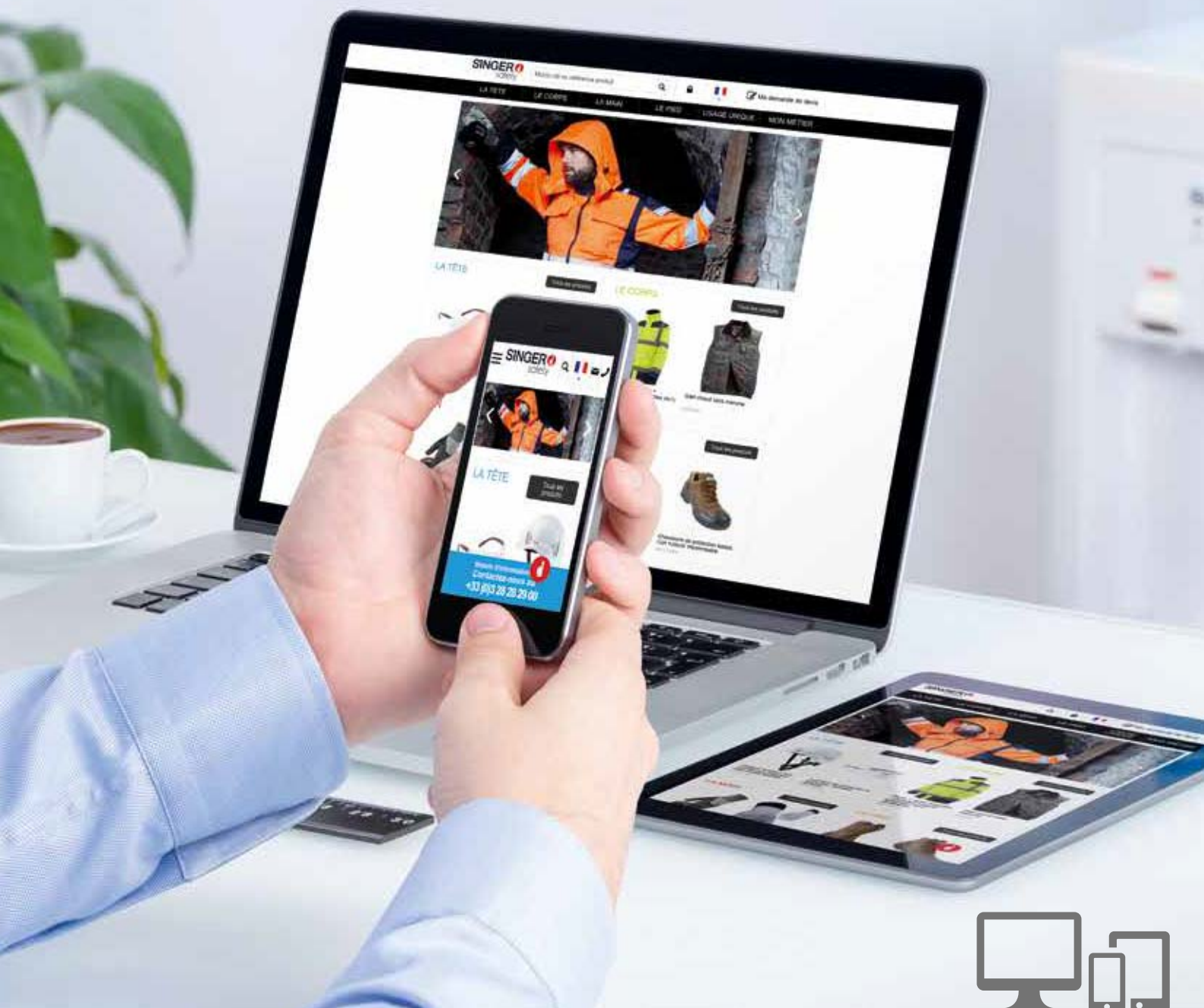


- ✓ Customized site design analysis
- ✓ Supply and installation
- ✓ Signage kit
- ✓ Initiatives for the generation of customer traffic

Technical data sheets, on-line product searches...

- ✓ Multi-criteria searches
- ✓ Downloading of technical data sheets
- ✓ Extensive database

Everything is designed to enhance
your performance



A single website address for your sales staff

www.singer.fr

GENERAL TERMS OF SALE

1. Object and scope

Any product order implies unconditional acceptance by the buyer and full compliance with these general terms of sale which prevail over any other document of the buyer, and particularly any general terms of purchase, except otherwise formally and expressly established by SINGER FRERES.

These general terms of sale apply to all sales of products by SINGER FRERES unless otherwise agreed in writing by the parties prior to the order.

As a result, the placing of an order by a customer implies the unconditional acceptance of these terms of sale by the customer, unless special terms have been granted to the buyer in writing by SINGER FRERES.

Any other document apart from these general terms of sale and in particular catalogues, brochures, advertisements and notices are merely for information purposes and are non-contractual.

2. Contract formation – Orders

2.1- The price lists of SINGER FRERES do not constitute an offer, and orders are only valid once they have been accepted.

2.2- Order shall mean any order concerning the products of SINGER FRERES appearing in its price lists, and accepted by SINGER FRERES.

2.3- All orders are binding, unless expressly agreed otherwise in writing by SINGER FRERES.

2.4- Any request to amend the composition or volume of an order placed by a customer can only be acted upon by SINGER FRERES if the request is made in writing, including by fax or email, and received by SINGER FRERES EIGHT (8) days at the latest following receipt of the initial order. SINGER FRERES reserves the right to deliver the quantities ordered with a tolerance of +/- FIVE PER CENT (5%).

3. Delivery – Transport

3.1- Delivery times are given for information purposes only, as they are dependent on the availability of the carriers and the order in which orders are received.

Unless expressly agreed otherwise, no delay in delivery times shall result in compensation or cancellation of an order.

This rule applies in particular to the following cases:

3.1.1- non-compliance of the payment terms by the buyer.

3.1.2- force majeure or event likely to delay or suspend the delivery of the goods.

3.2- Products and supplies, even when agreed carriage free, travel at the risk of the buyer (customer) who shall be responsible, in the event of damages or losses, to enforce any reservations and exercise such redress against the carriers, who shall be solely responsible; delivery is therefore deemed to have taken place once the shipment has left the stores or warehouses of SINGER FRERES.

3.3- The minimum order amount is one hundred and fifty (150) euros before tax.

3.4- The carriage free amount is seven hundred (700) euros before tax for deliveries within mainland France. Orders that are not carriage free are subject to a transport fee of twenty-five (25) euros before tax.

4. Reception

4.1- Without prejudice to any redress to be exercised directly against the carrier by the buyer, claims concerning patent defects or non-compliance of the product delivered with the product ordered must be expressed in writing by registered letter with acknowledgement of receipt within EIGHT (8) days of delivery. After this period, any further claims shall not be accepted by SINGER FRERES.

4.2- The buyer shall be responsible for supplying all supporting documents relating to the existence of any defects or anomalies found.

4.3- The buyer shall give SINGER FRERES every opportunity to investigate said defects or anomalies and to remedy such defects where necessary.

4.4- The buyer shall not make any repairs or have a third party make any repairs, otherwise no further redress may be exercised against SINGER FRERES.

5. Return – Terms

5.1- Any product return must be formally agreed in advance between SINGER FRERES and the buyer.

5.2- Any product returned without such consent shall be kept for the buyer for a period of THREE (3) months in the premises of SINGER FRERES, and shall not result in the issuance of a credit note. After this period, any product unduly returned and not taken back shall be deemed to be abandoned by the buyer and SINGER FRERES shall be free to dispose of the product at its own discretion.

5.3- Except in the event of non-compliance of the delivery with the order, attributable to SINGER FRERES, return costs and risks shall be borne by the buyer at all times.

5.4- No return shall be accepted after a period of EIGHT (8) days following the delivery date.

6. Return – Consequences

6.1- Any return accepted by SINGER FRERES shall result in a credit note made out to the buyer after a quality and quantity inspection of the returned products.

6.2- In the event of a patent defect or non-conformity of the products delivered, duly acknowledged by SINGER FRERES according to the conditions specified in Article 4 “Reception”, the buyer may request the free replacement of, or a refund for the products by SINGER FRERES exclusive of any other compensation.

7. Guarantees - Scope

7.1- Products are guaranteed against any material or manufacturing defect for a period of FIFTEEN (15) days following the delivery date.

7.2- Any product benefiting from the guarantee should first be sent by the customer to SINGER FRERES.

7.3- Under the guarantee, it shall be the duty of SINGER FRERES to replace or repair the product or part found to be defective by SINGER FRERES.

7.4- Repairs under the guarantee shall not extend the term of the guarantee.

8. Guarantee - Exclusion

8.1- The guarantee shall not apply if the defect results from:

- normal wear of the item,
- faulty maintenance,
- abnormal use,
- any modification to the product not agreed to or specified by SINGER FRERES,
- an external accident,

- improper assembly,

- a defect resulting from force majeure,

- abnormal storage conditions at the customer's premises.

8.2- **In the same way, it is expressly agreed that the guarantee shall not apply to patent defects; in the event of a patent defect, the buyer must comply with Article 4 “Reception”.**

8.3- The responsibility of SINGER FRERES with regard to the guarantee created by the Act of 19 May 1998 (Articles 1386-1 et seq. of the French Civil Code) is expressly excluded. The buyer shall not hold SINGER FRERES liable on this basis, either directly or through an impleader.

9. Price – Payment terms – Penalties

9.1- SINGER FRERES prices are set by the price list in force on the day of placing the order. Prices are stated before tax. Their firm or revisable nature and their amount shall be specified in the special terms.

9.2- Invoices are payable at the SINGER FRERES head office:

9.2.1- in cash, within a maximum period of EIGHT (8) days as from the invoice date after deducting a 0.5% discount, or by cheque or bank transfer.

9.2.2- within a period agreed by the parties, according to Article L.441-6 of the French Commercial Code and the provisions of the Law on the Modernisation of the Economy (LME) of 4 August 2008, to pay the sums due at FORTY FIVE (45) days end of the month or SIXTY (60) days from the date of issue of the invoice, namely:

9.2.2.1- by accepted draft issued by SINGER FRERES, within a maximum period of return of EIGHT (8) days as from the draft date, without any discount.

9.2.2.2- by promissory note issued by the customer, within a maximum period of EIGHT (8) days as from the invoice date, without any discount.

9.3- Failing payment on any due date, other outstanding amounts shall fall due immediately, even if they are subject to drafts.

9.4- In addition, and in particular pursuant to Act 92-1442 of 31 December 1992 amended, any amount including tax not paid by the due date shall give rise:

9.4.1- to payment by the customer of penalties fixed at three times the legal interest rate and calculated on the basis of the total outstanding amount.

9.4.2- in application of Articles L. 441-3 and L. 441-6 of the French Commercial Code, to payment by the customer of a penalty charge as compensation for recovery costs. This penalty charge has been fixed at FORTY (40) euros net of tax per invoice by Decree 2012-1115 of 2 October 2012.

Penalties and compensation shall become payable as of right and shall be automatically debited from the customer's account.

9.5- When the buyer's credit deteriorates, SINGER FRERES reserves the right, even if an order has been partially shipped, to require any guarantee from the buyer as it deems fit for the proper performance of undertakings. Any refusal by the customer to provide any such guarantee shall entitle SINGER FRERES to cancel all or part of the orders or ongoing contracts.

9.6- Exchange risks shall be borne by the buyer.

10. Force majeure

Occurrences such as force majeure or unforeseeable accidents are deemed to be outside the control of the parties, which they could not reasonably be expected to foresee, and which could not be prevented or overcome, insofar as their occurrence makes the execution of the obligations totally impossible.

In particular, the following are deemed to be force majeure or unforeseeable accidents, releasing SINGER FRERES from its obligation to deliver within the originally scheduled times: lock-out, strikes by all or part of the personnel of SINGER FRERES or its usual suppliers or carriers, fire, war, production shut-downs due to accidental failure, the inability to obtain raw materials, epidemics, closure of transport routes due to heavy thaw, road blocks, strikes or disruption to supply of energy or to other supply not attributable to SINGER FRERES.

In such circumstances, SINGER FRERES shall notify the customer by any written means, in particular by fax or email, within SEVENTY-TWO (72) hours from the date of occurrence of the incident. The contract will be suspended automatically without compensation, from the date of occurrence of the incident.

If the incident should last more than THIRTY (30) days from the date of occurrence thereof, the contract of sale entered into by SINGER FRERES and its customer may be terminated by either party, without either party claiming the right to damages.

Such termination shall take effect on the date of first presentation of the registered letter with acknowledgement of receipt terminating said sales contract.

11. Automatic termination clause

11.1- In the event of the buyer's failure to perform any one of its duties, the sale shall be automatically terminated without prejudice to any damages, additional charges or penalties that may be claimed by SINGER FRERES.

11.2- Termination shall take effect automatically two days after the sending of a formal notice remaining without effect.

12. Dispute settlement – Applicable law

12.1- **In the event of any difficulty to perform and/or interpret the agreements, any dispute, whatever the subject thereof, shall be brought before the exclusive competence of the Dunkirk Commercial Court, even in the event of any clause to the contrary in the customer's letters or invoice, or in the event of an impleader or multiple defendants.**

12.2- Any question relating to these general terms of sale as well as the sales governed by said terms, which are not covered by these contractual terms, shall be governed by French law to the exclusion of any other right, and on a suppletive basis by the Vienna Convention on the international sale of goods.

13. Reservation of title

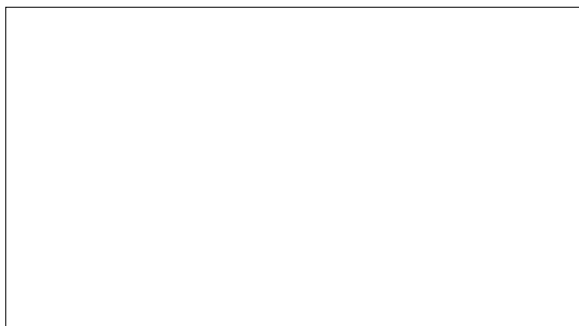
13.1- Pursuant to the provisions of the Act dated 12 May 1980 and Article L. 624-16 paragraph 2 of the French Commercial Code, the seller shall retain ownership of the goods sold until the full payment of the principal and interest amount of the price. Any clause to the contrary, including any clause inserted in the general terms of purchase, shall be deemed null and void.

13.2- Failure to pay on any of the due dates may result in the goods being reclaimed. These provisions do not prevent the risks connected with the products sold, as well as any liability for any damages they may cause, from being transferred to the buyer upon delivery.

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