



SINGER[®] 
safety



Beanie:
BONOI
Gloves:
SNOWFLEX
Jacket:
POLAINE
Trousers:
PETRA
Shoes:
ABYSS





Spectacles:
EVAORAN

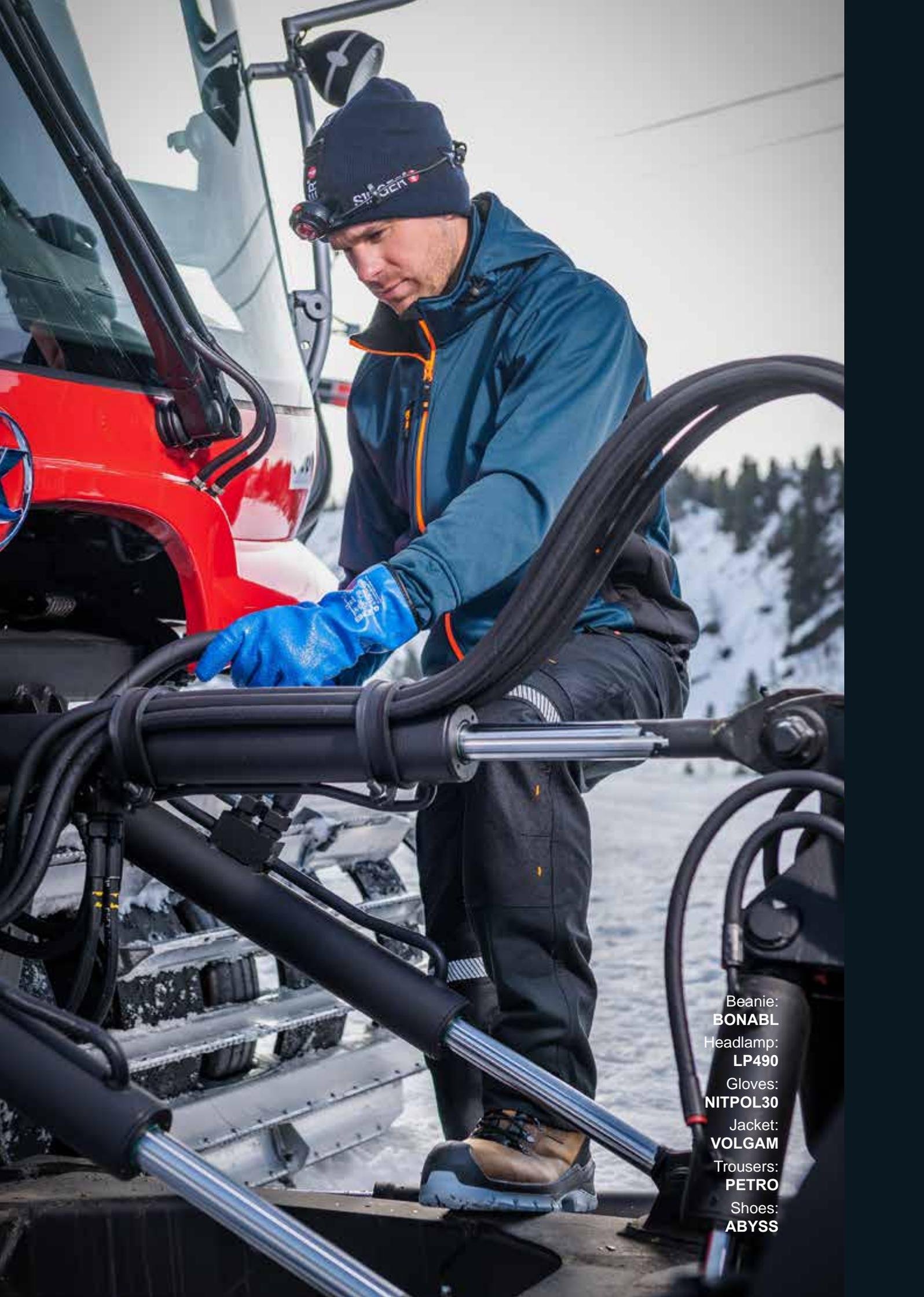
Gloves:
PHD434NIF

Bodywarmer:
GALWAY

Jacket:
VILNOR

Trousers:
PRAGUO

Shoes:
BERGAM



Beanie:
BONABL
Headlamp:
LP490
Gloves:
NITPOL30
Jacket:
VOLGAM
Trousers:
PETRO
Shoes:
ABYSS



Gloves:
NYM34GB

Jacket:
GILGA

T-shirt:
SHIRTGRIS

Trousers:
PETRO



Gloves:
LAT57

Jacket:
VOLGA

Trousers:
PORTAC

Shoes:
ABYSS

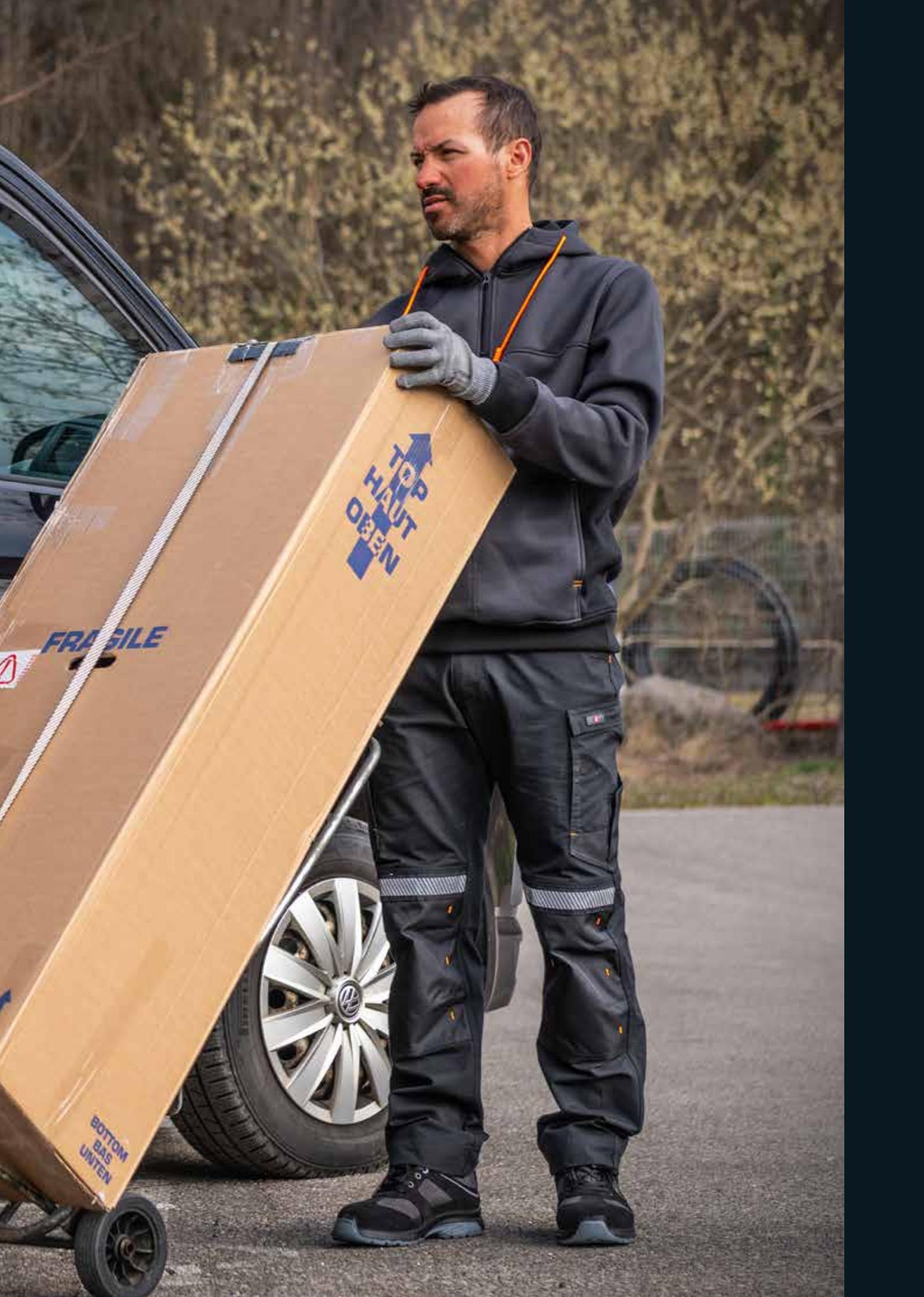


Gloves:
PHS400

Sweat-shirt:
SAMY

Trousers:
PETRO

Shoes:
INDRA



FRAGILE

**TOP
HAUT
OEFEN**

**BOTTOM
BAS
UNTEN**



Spectacles:
EVAPOLAR

Ear-plugs:
HGB030C

Gloves:
PHD50RED

Parka:
PALAWA

Trousers:
PORTAC

Shoes:
RODI



Helmet:
ALPINO

Headlamp:
LP490

Half-mask:
AUUMP300VSL

Gloves:
NYM157NB

Rainwear:
VILO

Boots:
BORN



Spectacles:
EVASHARKBBA

Gloves:
TAC10RED

Jacket:
VILBLE

Trousers:
PRAGBLE

Shoes:
ST400



Cap:
HG913OHV
Spectacles:
EVARED
Gloves:
NYMFIT02
Coverall:
CAIRE
Shoes:
GR100



Beanie:
BONOI

Spectacles:
EVARUN

Neck-cover:
SIRAC

Gloves:
N100HV

Jacket:
VULCA

Trousers:
PUNA



STING
G
ய
S



Our family history

The story began over 100 years ago, in Saint Omer in northern France. Two brothers, Achille and Maurice Singer, invested in a tannery and began producing harnesses and accessories.

In the aftermath of the Second World War, the factory was in ruins. The bombing might have finished off the family business were it not for the entrepreneurial spirit of its second generation, who took the fate of the operation into their hands. Maurice's sons, Michel and Etienne, decided to invest in modern production tools to make protective gloves, mainly out of leather, to meet growing industry demand.

The story gathered pace in the 1970s as the two visionary brothers anticipated the changes that would gradually mark the global economy. This resolutely innovative strategic positioning enabled the company to design and manufacture new products, expand its offering and extend its influence over the global market. The 1990s saw the arrival of the third generation. The sons of Michel, Laurent and Patrick took over the management of the company, pursuing, strengthening and accelerating its development based on the values they held dear.

Our values

Performance-focused ambition, promising respect with integrity guaranteed

Our taste for performance requires us to be very exacting. From product design to production, we leave nothing to chance. Our job is to ensure that every item of PPE is 100% compliant with the European standards by focusing on aesthetics, comfort, originality and modernity. The continuous improvement of our products is a central concern. Our mission is to offer the most demanding professionals ever more reliable, durable and safe products at competitive prices.

For three generations, this taste for performance has been guided by values of respect and integrity. We strive to establish close and lasting relationships with all our partners based on trust, consideration and openness. We strive to make clear and transparent information available to everyone. Our customers' satisfaction is our priority. Conscious of the importance of environmental issues, we seek to implement solutions adapted to sustainable development.

These three fundamental founding values have, for many years, allowed us to achieve our established goals of sustainability, informed growth and independence, to which we are deeply committed.

Our organisation

Our 10,000 m² logistics platform, located at the heart of the port of Dunkirk, enables us to make over 8 million carefully selected and checked items permanently available to our distributor customers from all around the world.

We are totally in control of our operations and this, combined with the experience accumulated over generations, guarantees you genuine expertise and reliable, consistently high-quality products. Our competent, dynamic teams are attentive to your needs, ensuring a high level of responsiveness and optimum service.

S U M M A R Y

HEAD

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[**WIDE FIELD OF VISION**]



EVAMOOUSS

Pivoting temples. Anti-scratch and anti-fog polycarbonate clear lens. Lens with an easy removable foam, comfortable and practical.

EN 166 (FT, optical class 1). EN 170 (2C-1,2)



SINGER



EVALASTE

Same as EVAMOOUSS
but with adjustable elastic headband.

EN 166 (FT, optical class 1). EN 170 (2C-1,2)



SINGER



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.

EN 166 (F, optical class 1). EN 170 (2C-1,2)

 10x10  31 g

SINGER 

EVAFOMA

Same as EVAFOM but with smoked lens, black and orange colour.

EN 166 (F, optical class 1). EN 172 (5-2)

 10x10  31 g

SINGER 





EVASHIELD

Safety spectacles. Lens: polycarbonate. Lens thickness: 2.00 mm. Frame: polycarbonate and TPR. Bi-material temples, with anti-slip insert. Nose bridge with anti-slip insert. Treatment: anti-scratch, anti-fog. Colour: black and red.

EN 166 (FT, K, N, optical class 1) / EN 170 (2C-1,2)



10x10 25 g



**INNOVATION RESISTANCE
AND LIGHT WEIGHT**



EVARUN

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

EN 166 (FT, optical class 1). EN 170 (2C-1,2)

10x10 27 g

SINGER



EVARUNA

Same as EVARUN but with smoke lenses.

EN 166 (FT, optical class 1). EN 172 (5-3,1)

10x10 27 g

SINGER



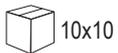
INCREDIBLY LIGHTWEIGHT



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.

EN 166 (F, optical class 1). EN 170 (2C-1,2)



10x10



22 g



SINGER

EVALORA

Same as EVALOR but with smoke lenses.

EN 166 (F, optical class 1). EN 172 (5-3,1)



10x10



22 g



SINGER





[POLARIZING LENS]

EVAPOLAR

Safety spectacles. Lens: polycarbonato. Lens thickness: 2.00 mm. Frame: polycarbonato and TPR, glossy finish. Perforated temples, bi-material, with anti-slip insert. Nose bridge with anti-slip insert. Treatment: anti-scratch, anti-fog. Colour: black and grey.

EN 166 (F, K, N, optical class 1) / EN 172 (5-3,1)

 10x10  22 g

SINGER 



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.

EN 166 (F, optical class 1). EN 172 (5-1,7)

 10x10  24 g

SINGER 



EVASHARKGCA

Adjustable sidearms (4 positions).
Anti-scratch and anti-fog treated clear polycarbonate lenses. Grey frame.
Perforated temples for adjustable cord (ACCCORD2N).

EN 166 (FT, optical class 1). EN 170 (2C-1,2)

10x10 31 g

SINGER



EVASHARKBBA

Adjustable sidearms (4 positions). Anti-scratch and anti-fog treated blue smoke mirror polycarbonate lenses. Metallic blue frame.
Perforated temples for adjustable cord (ACCCORD2N).

EN 166 (FT, optical class 1). EN 172 (5-3,1). ISO12312-1. Class 3

10x10 31 g

SINGER



EVASHARKMSA

Adjustable sidearms (4 positions).
Anti-scratch and anti-fog treated smoke polycarbonate lenses. Metallic brown frame.
Perforated temples for adjustable cord (ACCCORD2N).

EN 166 (FT, optical class 1). EN 172 (5-2).

10x10 31 g

SINGER



EVASHARKNJA

Adjustable sidearms (4 positions).
Anti-scratch and anti-fog treated amber polycarbonate lenses. Black frame.
Perforated temples for adjustable cord (ACCCORD2N).

EN 166 (FT, optical class 1). EN 170 (2C-1,2).

10x10 31 g

SINGER



EVASHARKNGA

Adjustable sidearms (4 positions).
Anti-scratch and anti-fog treated green polycarbonate lenses. Black frame.
Perforated temples for adjustable cord (ACCCORD2N).

EN 166 (FT, optical class 1). EN 170 (2C-1,7).

10x10 31 g

SINGER





[**INCREDIBLY LIGHTWEIGHT**]



EVALIT

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

EN 166 (FT, optical class 1). EN 170 (2C-1,2)

 10x10  23 g

SINGER 



EVAORAN

Single piece clear polycarbonate curved (9°) lens.
 TPR + polycarbonate lens. Orange and black colour.
 Molded-in nose bridge.
 Anti-scratch and anti-fog treatment.
 Perforated temples for adjustable cord (ACCCORD2N).
 EN 166 (FT, optical class 1). EN 170 (2C-1,2)

10x10 24 g

SINGER

[**VERY ENVELOPING**]



EVARED

Single piece clear polycarbonate curved (9°) lens.
 TPR + polycarbonate lens. Red and black colour.
 Molded-in nose bridge.
 Anti-scratch treatment.
 Perforated temples for adjustable cord (ACCCORD2N).
 EN 166 (FT, optical class 1). EN 170 (2C-1,2)

10x10 24 g

SINGER

[**VERY ENVELOPING**]



EVAREDA

Single piece smoked polycarbonate curved (9°) lens.
 TPR + polycarbonate lens. Red and black colour.
 Molded-in nose bridge.
 Anti-scratch and anti-fog treatment.
 Perforated temples for adjustable cord (ACCCORD2N).
 EN 166 (FT, optical class 1). EN 172 (5-3,1)

10x10 24 g

SINGER

[**VERY ENVELOPING**]





**CAN BE WORN OVER
PRESCRIPTION LENSES**



EVA07

Overspectacles made up of one piece wide clear antiscratch 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.

EN 166 (FT, optical class 1). EN 170 (2C-1,2)



10x10



34 g

SINGER

**PIVOTING AND
ADJUSTABLE FRAME**



EVASAND

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

EN 166 (FT, optical class 1). EN 170 (2C-1,2)



10x10



29 g

SINGER

EVA86 SERIES



EVA86AB - Anti-fog lens

EVA86 - Not anti-fog lens

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

EN 166 (FT, optical class 1). EN 170 (2C-1,2)



10x10



27 g

SINGER



EVASUR

One piece anti-scratch lens.
Sideshields incorporated in the sidearms.
Clear polycarbonate lens. Slip resistant temples with TPR.

EN 166 (FT, optical class 1). EN 170 (2C-1,2)

 10x10  27 g 

SINGER 



EVAMED

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

EN 166 (FT, optical class 1). EN 170 (2C-1,2)

 10x10  24 g

Prosur 



EVASUN

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

EN 166 (FT, optical class 1). EN 172 (5-3,1)

 10x10  24 g

Prosur 



[**PIVOTING
FRAME**]



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.

EN 166 (FT, optical class 1). EN 170 (2C-1,2)



SINGER



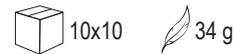
EVASPORTB - Blue colour

EVASPORTN - Black colour

EVASPORTNAB - Black colour & Anti-fog lens

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

EN 166 (FT, optical class 1). EN 170 (2C-1,2)



SINGER



EVASTAR

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

EN 166 (FT, optical class 1). EN 170 (2C-1,2)



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.

EN 166 (FT, optical class 1). EN 170 (2C-1,2)



PROSUP



AC CETUI

Synthetic case for spectacles.
Clip belt attachment. Keep your equipment away from dust scratch and impact. Colour: black.



SINGER



AC CCORD2N

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, EVASUR).



SINGER



AC CETUI2

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



SINGER



AC CCORD3N

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



SINGER



AC CETUI3

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



SINGER



AC CCORD4

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



SINGER

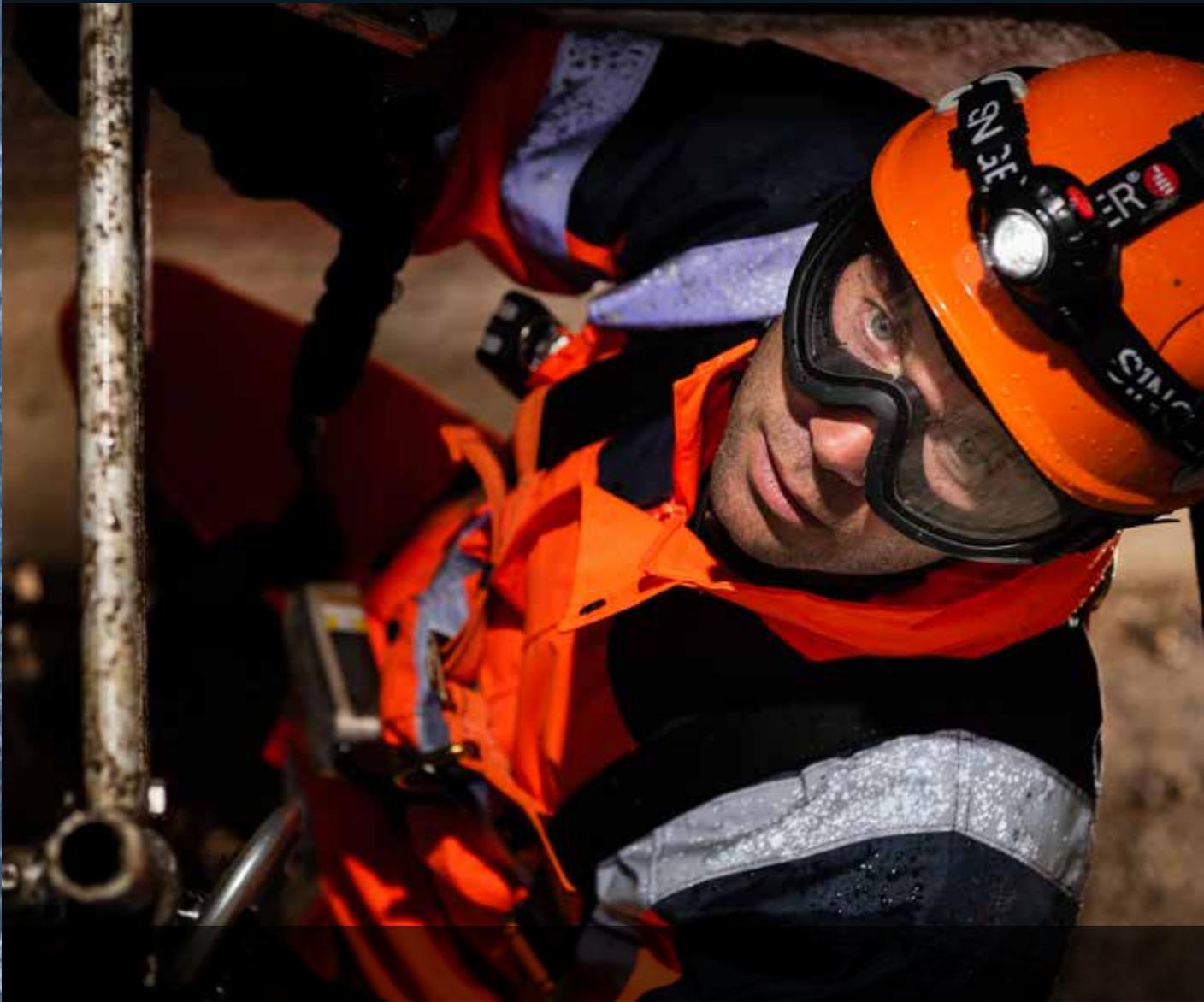


AC CTISSN

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



SINGER



**AGAINST
CHEMICAL RISKS,
ANTI-FOG TREATMENT**

**DOUBLE LENS
PROTECTION:
PVC/ACETATE**



EVASAFE

Premium safety goggle. Unvented. 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.

EN 166 (BT, 3, 4, 5, 9, K, N, optical class 1) EN 170 (2C-1,2)

 12x6  143 g

SINGER 




ACCGUARD
Protective visor to fix on the EVAGUARD goggle.
EN 166, (BT, 3)

 6x10  60 g

[**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.

EN 166 (BT, 3, 4, 5, optical class 1), EN 170 (2C-1,2)

 6x10  110 g



**FLEXIBILITY
AND PROTECTION IN
DAMP ENVIRONMENT**



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.

EN 166 (BT, 3, 9, N, optical class 1)

10x10 83 g

SINGER

**PROTECTION IN
DAMP ENVIRONMENT**



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.

EN 166 (BT, 3, 4, 9, optical class 1)

10x10 90 g

SINGER

**PROTECTION
AGAINST DUST IN
DRY ENVIRONMENT**



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.

EN 166 (BT, 3, 4, 5, optical class 1), EN 170 (2-1,2)

9x6 125 g

SINGER



EVAPRO

PVC frame with 4 caps 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.

EN 166 (BT, 3, 4, 9, optical class 1)

10x10 120 g

SINGER

[LIQUID SPLASH PROTECTION]



EVARIO

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

EN 166 (BT, 3, 4, 9, optical class 1)

10x10 76 g

SINGER

[INDIRECT VENTILATION]



EVAMAS

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

EN 166 (BT, 4, 9, optical class 1)

10x10 81 g

SINGER





EVASOUD

Smoked polycarbonate curved (10°) lens. Inside EVA foam. Anti-scratch and anti-fog treatment. Removable polycarbonate temples. Removable elastic headband: 60% polyester, 40% elastane.

EN 166 (FT, optical class 1), EN 169 (scale n° 5), EN 171 (scale n° 4-5), EN 175 (F)



EVASPORTN5

Length adjustable polyamide temples.
Smoke polycarbonate lens and sideshields.

EN 166 (FT, optical class 1), EN 175 (F),
EN 169 (scale n° 5), EN 171 (scale n° 4-5)

 10x10  34 g

SINGER 



EVASPORTN3

Length adjustable polyamide temples.
Smoke polycarbonate lens and sideshields.

EN 166 (FT, optical class 1), EN 175 (F),
EN 169 (scale n°3)

 10x10  34 g

SINGER 



EVASTARN5

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

EN 166 (FT, optical class 1), EN 175 (F),
EN 169 (scale n°5), EN 171 (scale n°4-5)

 10x10  44 g

SINGER 

[METAL FREE]



LUN225

Mask with PVC frame and flip-up glass.
Indirect ventilation (4 aerators). Sold with round lenses.

EN 166 (F, optical class 1), EN 175 (F), EN 169 (scale n°5)

 10x12  140 g

SINGER 





Inside view

**ACC1190E2**Spare front clear
visor for MS1190

EN 166 (F, optical class 1)

**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.

EN 166 (F, optical class 1), EN 175 (F), EN 379 (4/9-13 SINGER 1/1/1/2)





EVA300

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

EN 166, EN 175 (F)



SINGER 

ACCVMI900 - Clear mineral glass. 105 x 50 mm

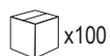
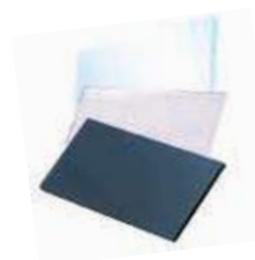
ACCVP10550 - Clear polycarbonate. 108 x 51 mm

ACCVP13900 - Welding Protane® filter. Smoked mineral glass. 108 x 51 mm. Scale n° 13.

ACCVP11900 - Welding Protane® filter. Smoked mineral glass. 108 x 51 mm. Scale n° 11.

ACCVP10900 - Welding Protane® filter. Smoked mineral glass. 108 x 51 mm. Scale n° 10.

EN 166, EN 169





[FACE SHIELD
WITH EAR-MUFFS]



HG825L
Spare mesh visor
(385 x 195 mm).

EN 1731 (F)

 20x10

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.

EN 1731 (F), EN 352-1 SNR 27,6dB (H:30,4dB M:24,9dB L:17,7dB).

 30x1



EVA825

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

EN 1731 (F)



SINGER



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.

EN 166 (B, optical class 1)



SINGER



FORCECAL

Blue protective browguard with ratchet headgear. Front sweatband and back comfort foam pad. Tested against the short circuit electric arc (Mark «8»). To be used with the visors FORCE805 or ACC930CL. (ACC930CL: not tested against the electric arc).

EN 166. EN 1731 (S)



SINGER 



HG930B

Blue protective browguard with ratchet headgear. Front sweatband and back comfort foam pad. To be used with the visor ACC930CL.

EN 166



SINGER 



**TESTED AGAINST
THE SHORT CIRCUIT
ELECTRIC ARC**

FORCE805

Clear polycarbonate spherical visor. (400 x 225 mm). Thickness: 2.00 mm. EN 166 (3, 8, 9, BT, optical class 1) EN 170 (2-1,2).



ACC930CL

Clear polycarbonate spherical visor. (400 x 225 mm). Thickness: 2.00 mm. EN 166 (BT, optical class 1). EN 170 (2-1,2).



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

MARKING OF OCULAR

2-1,2 SINGER 1 FT 8 0 CE

▼ A B C D E F G H

A	Filter code number
B	Filter protection class
C	Identification of the manufacturer
D	Optical class
E	Mechanical strength
F	Field of use
G	Optional requirements
H	European conformity

MARKING OF FRAMES

SINGER EN166 4 SH CE

▼ A B C D E F

A	Identification of the manufacturer
B	Standard number
C	Field of use*
D	Mechanical strength
E	Optional requirements (only H)
F	European conformity

STANDARDS

EN 165	Personal eye-protection: vocabulary.
EN 166	Personal eye-protection: specifications.
EN 167	Personal eye-protection: optical test methods.
EN 168	Personal eye-protection: non optical test methods.
EN 169	Personal eye-protection: filters for welding and related techniques.
EN 170	Personal eye-protection: ultraviolet filters.
EN 171	Personal eye-protection: infrared filters.
EN 172	Personal eye-protection: sunglare filters for industrial use.
EN 175	Personal eye and face-protection: welding and allied processes.
EN 1731	Personal eye-protection: mesh eye and face protectors.
EN ISO 12312-1	Personal eye and face-protection. «Minor risks». Sunglasses and related eyewear.

FILTER CODE NUMBER

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

FILTER PROTECTION CLASS

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

OPTICAL CLASS

1	Continuous work (best quality)
2	Intermittent work
3	Occasional work

MECHANICAL STRENGTH

No symbol	Minimum robustness
S	Increased robustness
F	Low energy impact
B	Medium energy impact
A	High energy impact

Symbol T is used in conjunction with either F, B or A. It indicates that the particles are launched at extremes of temperature.

FIELD OF USE

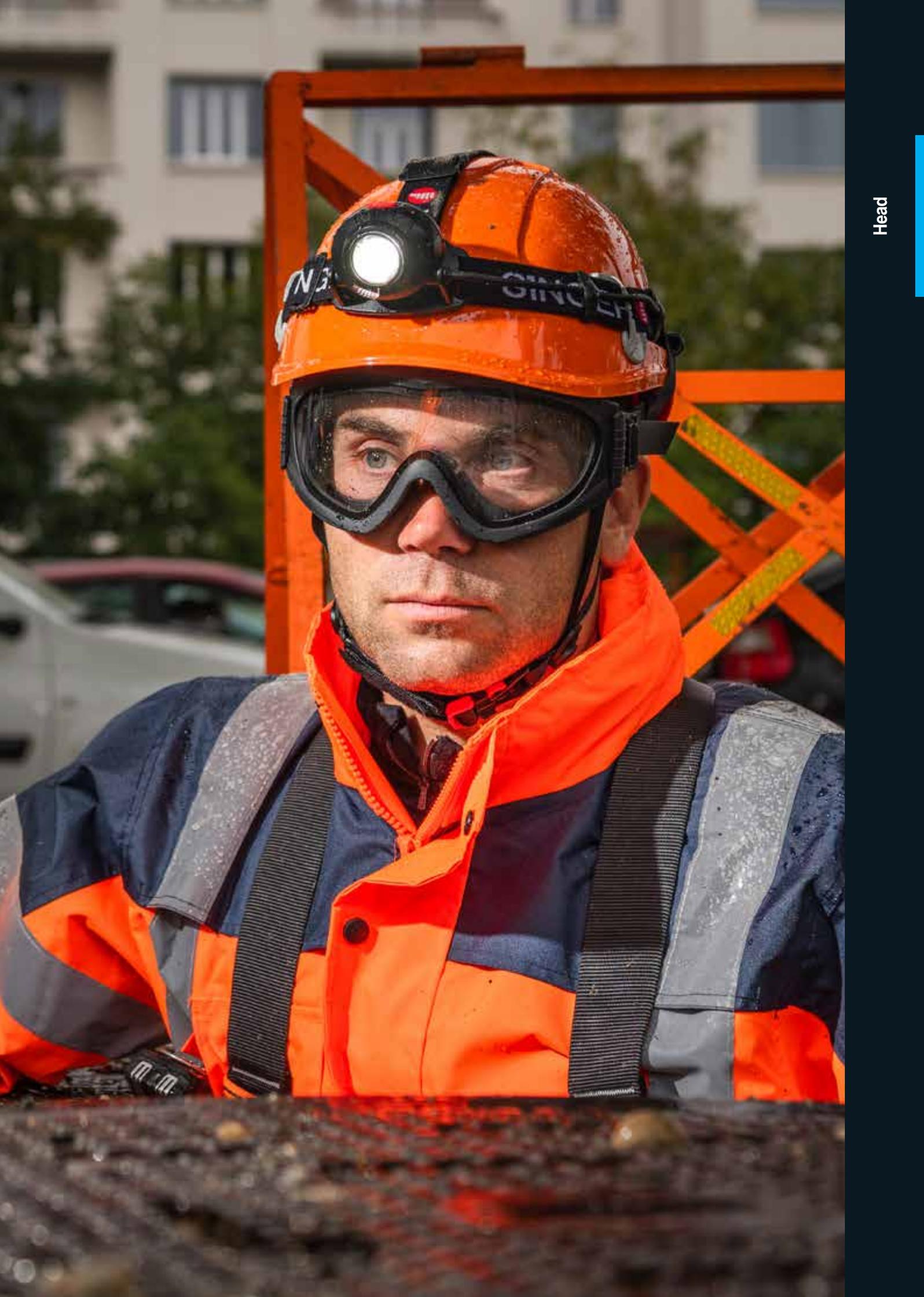
No symbol	Basic use
3	Liquids
4	Large dust particles
5	Gas and fine dust particles
8	Short circuit electric arc
9	Molten metal and hot solids

OPTIONAL REQUIREMENTS

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

(*) Unapplicable to spectacles - (**) Marking of frame only - (***) Marking of ocular only





Head

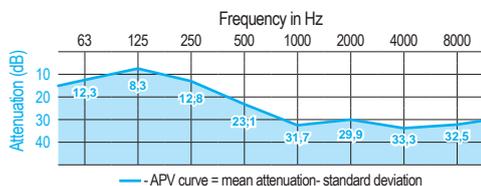


[LIGHT WEIGHT AND SUPER COMPACT]



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:31,8dB M:23,6dB L:14,9dB). EN 352-1



6x8



174 g

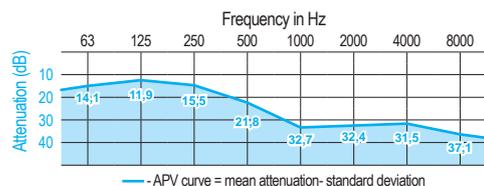


SINGER

[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:33dB M:25dB L:18dB). EN 352-1



24x1



156 g

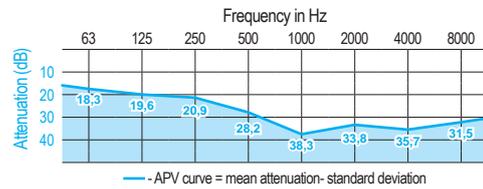
SINGER





HG107PNR

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



SNR 33dB (H:34dB M:31dB L:24dB). EN 352-1

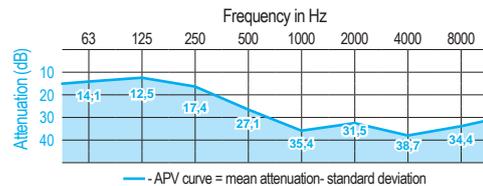


SINGER



HG106PNR

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



SNR 30dB (H:34dB M:28dB L:19dB). EN 352-1

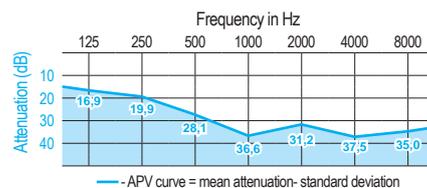


SINGER



HG105NR

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



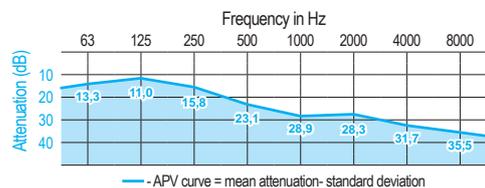
SNR 32dB (H:34dB M:30dB L:23dB). EN 352-1



SINGER

HG106J

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



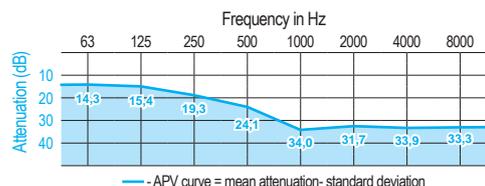
SNR 27,6dB (H:30,4dB M:24,9dB L:17,7dB). EN 352-1

6x10 168 g



CASBRUITPC

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



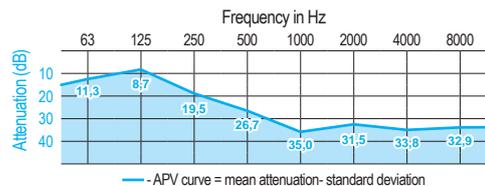
SNR 30,4dB (H:33,0dB M:27,8dB L:21,3dB) EN 352-1

6x10 257 g



CASBRUI

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



SNR 29,3dB (H:33,4dB M:27,2dB L:17,3dB). EN 352-1

6x10 145 g



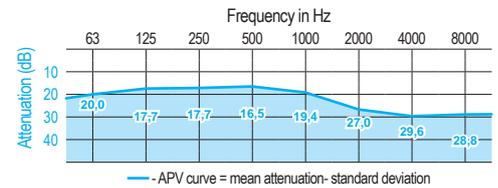



HG11RB
Spare orange ear-plugs for HG11.
Single use. **200 pairs.**

 12x1

HG11

Black foldable and re-usable PP headband.
With single use orange PU ear-plugs.



Passes under the chin.
SNR 24dB (H:26dB M:20dB L:18dB). EN 352-2

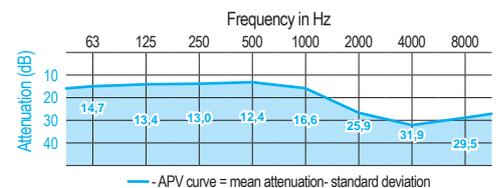



HG548NJR
Spare yellow ear-plugs for HG548NJ.
Single use. **1000 pieces.**

 10x1

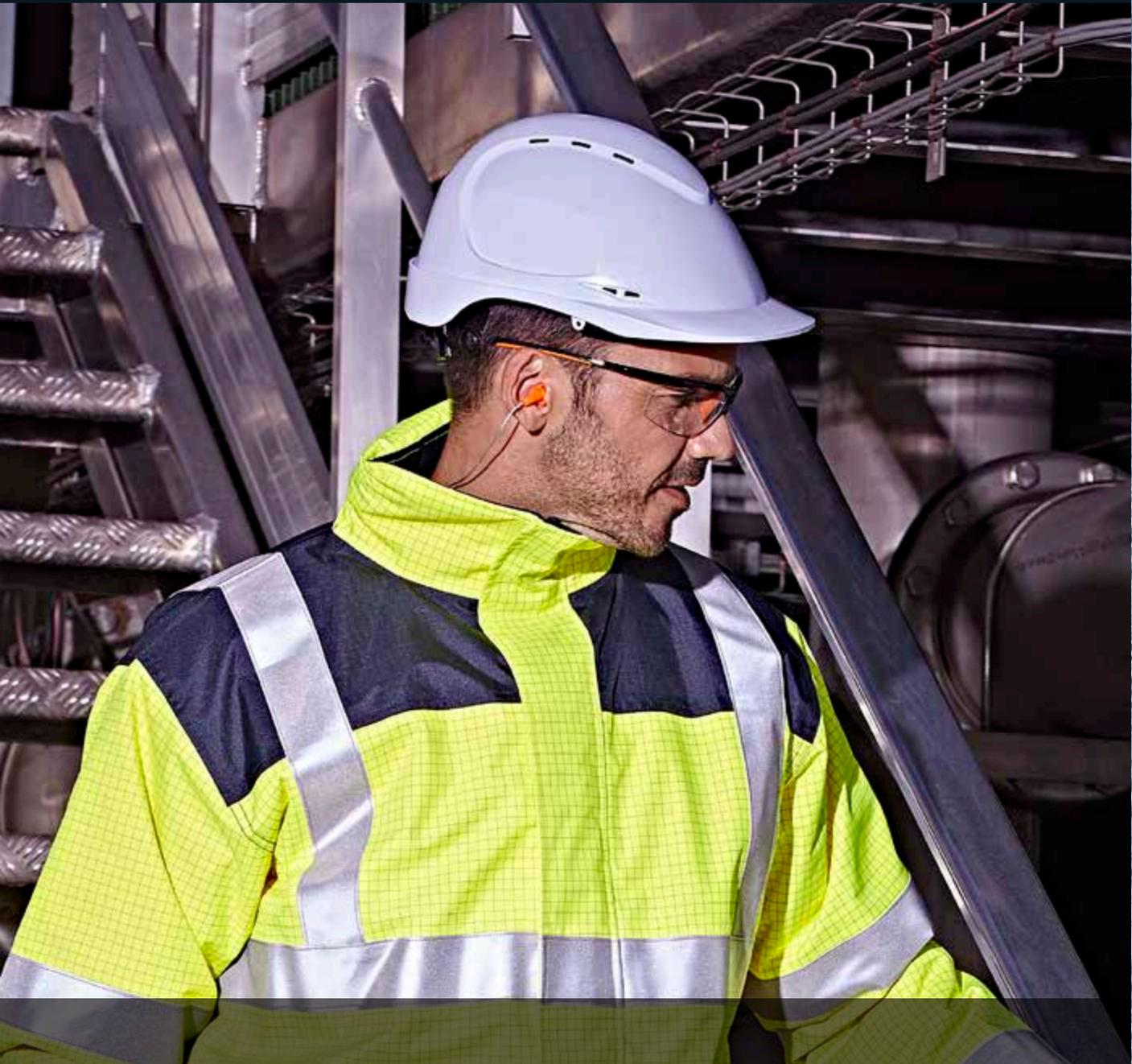
HG548NJ

Re-usable black plastic headband.
Yellow polyurethane ear-plugs (Single use).



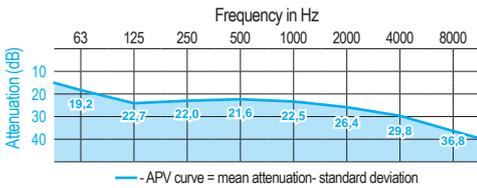
Passes under the chin.
SNR 21dB (H:24dB M:16dB L:14dB). EN 352-2





HGB250C

Display boxes of 200 pairs.
 3 rings, orange TPR (thermoplastic rubber) corded ear-plugs.
 Re-usable. Each pair under individual polybag.



SNR 27dB (H:27dB M:23dB L:23dB). EN 352-2

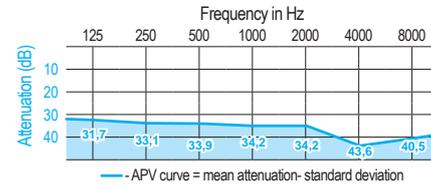
10x1

SINGER



**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.



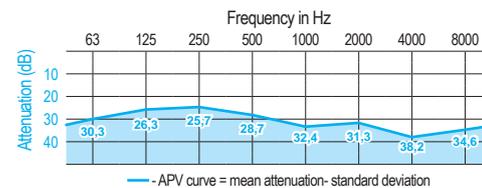
SNR 37dB (H:36dB M:35dB L:34dB). EN 352-2



SINGER

**HGB030C** - Corded.

Display boxes of 200 pairs.
Smooth and comfortable ear-plugs. Made of PU foam.
Disposable. Colour: orange. Each pair under individual polybag.



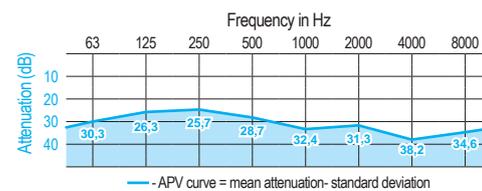
SNR 34dB (H:33dB M:31dB L:28dB). EN 352-2



SINGER

**HGB030** - Uncorded.

Display boxes of 200 pairs.
Smooth and comfortable ear-plugs. Made of PU foam.
Disposable. Colour: orange. Each pair under individual polybag.



SNR 34dB (H:33dB M:31dB L:28dB). EN 352-2



SINGER



DISTB

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

Delivered without ear-plugs



SINGER



RECBO1

Ear-plugs refill. Model HGB030. 1 000 pieces.



HGB20

Ear-plugs in box of 20 pieces



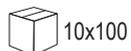
SINGER



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



[**VENTILATED
VERSION**]

[**LIGHT
AND ERGONOMIC**]



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.**

EN 397



SINGER



[**TESTED AGAINST
THE SHORT CIRCUIT
ELECTRIC ARC**]



Inside view

FORCE2W

Same as FORCE but with optional tests: Tested at low temperatures: -30°C. Electrical isolation 440 V. Melting metal projection « MM ». **Class 0. (1000 V c.a.).**

EN 397, EN 50365



SINGER

All the accessories are suitable for the FORCE and FORCE2



ACCBFORCE

Spare front sweatband.



FORCE107

Ear-muffs.

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



FORCEJUG

Chin strap.
In textile and plastic.



FORCEACC

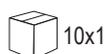
Set of 2 adaptors to fix the face shield holder FORCESUP on helmet. Not required in case of combined use of a visor with ear-muffs.



FORCESUP

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

EN 166 (3, 8, 9, BT), EN 175 (S)



ACC805 305 x 190 mm.

ACC805LARG 395 x 200 mm.

Spare clear polycarbonate visors.

EN 166 (B, optical class 1)



ACC825

Spare mesh visor. 305x195 mm.

EN 1731 (F)



ACC930CL

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

EN 166 (BT, optical class 1). EN 170 (2-1,2).



[TESTED AGAINST
THE SHORT CIRCUIT
ELECTRIC ARC]

FORCE805

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

EN 166 (3, 8, 9, BT, optical class 1). EN 170 (2-1,2).





CASIRISJAU2 / CASIRISROU2 / CASIRISBLE2 / CASIRISOR2 / CASIRISVER2



CAS5RSY / CAS5RSR / CAS5RSB / CAS5RSO / CAS5RSV



CASJAUNE / CASROUGE / CASBLEU / CASORANGE / CASVERT



LUNIRIS2

Spare glasses

EN 166, EN 170

 10x1

CASIRISBL2

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

EN 397, EN 166, EN 170

 20x1

[**AVAILABLE IN
MANY COLOURS**]

CAS5RSW

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

EN 397

 60x1  317 g

[**AVAILABLE IN
MANY COLOURS**]

CASBLANC

In polyethylene with ventilation.

EN 397

 25x1  350 g

HG902W

White colour. In ABS, 4 points suspension. PE headgear with ratchet easy system adjustment. Front sweatband. Back comfort foam pad. Delivered dismantled.

EN 397



HG03N

Chin strap.
In textile and plastic.



HG867

Visor holder.
Delivered with the adaptor HG18.

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



ACC805LARG

Polycarbonate Visor.
For use with the adaptor HG18 and the face shield holder HG867.

EN 166 (B, optical class 1)



HG187

Ear-muffs yellow and black colour.
Perfect fit and very comfortable. 261g.

EN 352-3.

SNR 23dB (H: 28dB M: 20dB L: 12dB).



HG18

2 adaptors are required to fix the face shield holder HG867.
(not required in case of combined use of visor/ear-muffs). Sold per piece.

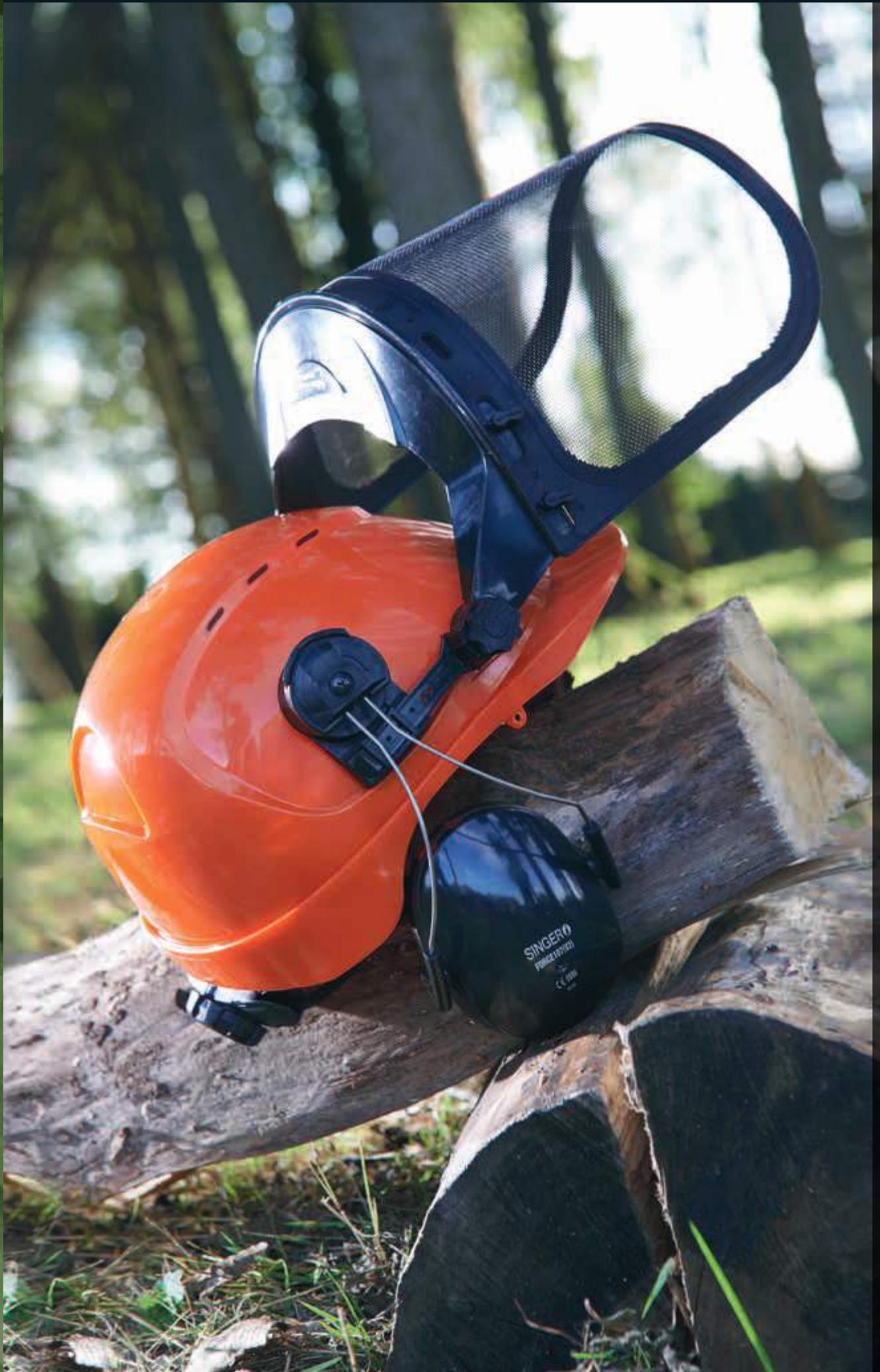


HG825L

Mesh visors.
For use with the adaptor HG18 and the face shield holder HG867.

EN 1731 (F)





**FOREST1**

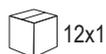
Includes: FORCEO helmet; FORCE107 ear-muffs; FORCESUP visor holder and a mesh visor.
Delivered dismantled in one box.

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

**SINGER** **HGCF01**

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

EN 397, EN 1731, EN 352-3 SNR 25dB (H:29,3dB M:23,8dB L:15,5dB).

**SINGER** 



[VENTILATED
VERSION]



ALPINJ



ALPINO



ALPINBK



ALPINW

ALPINHV

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 at low temperature - 30°C.

EN 397





LUNALP

Safety glasses suitable for the helmet ALPIN.

EN 166
(FT, N, optical class 1).
EN 170 (2C-1,2)



**[UNVENTILATED
VERSION]**

ALPINW2

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 at low temperature - 30°C.

EN 397



SINGER



LUNKARA

Safety glasses suitable for the helmet CAS7001.

EN 166, EN 170



**[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.

EN 397



**LP490**

Headlamp with projection angle: LED: 1 x XP-L Cree LED .
 Run time: 4h to 64h. Power: 30 to 490 lm.
 Power source: 3 batteries «AA» (not included).
 Dimensions: 73 x 54 x 40 mm (lamp). 4 working modes.
 Red rear light (2 working modes). Beam distance: 34 to 147 m.
 Resistance to water and dust (IP64).
 Adjustable headband. Colour: black and red.



4x6



198 g (with batteries)

**SINGER****LP330FB**

Headlamp with projection angle: LED/XENON.
 Run time: 80h (LED) and 3h (XENON). Power source: 3 batteries
 «AAA» (included). Dimensions: 75 x 52 x 55 mm.
 3 working modes: 1 LED / 3 LED / XENON. Weather resistant.
 Adjustable headband. Colour: blue and black.



4x12



151 g (with batteries)

**SINGER**



BREVA

Cap against cold for industrial helmets.
 Outside material: polyester (Oxford), coated with PU.
 Lining: polar fleece polyester.
 Adjustment on the helmet: with drawcords and stoppers.
 Cap outline: mesh fabric with retro-reflective hem.
 Colour: black.



5x10  One size only

SINGER 



COOLNECK

Cap for industrial helmet.
 Outside material: 100% polyester, 500 gsm.
 Triple layer: absorbing intermediate layer.
 Adjustment on the helmet: with drawcords and stoppers.
 Cap outline: mesh fabric with retro-reflective hem.
 Colour: black, navy blue and yellow.



10x5  One size only

SINGER 





HG915N
Black colour

HG915B

Blue colour.

Made of moulded A.B.S shell covered with a coloured cotton fabric cap. Front peak (7cm). Self grip fastening at the back.

Large side ventilation. Inside foam pad for wearer comfort and protection.

85% cotton / 15% polyester.

EN 812.



6x10

SINGER



HG916B

Same as HG915B

but with short peak (3 cm).

85% cotton / 15% polyester. Blue colour.

EN 812.



6x10

SINGER



HG913B

Blue colour.

Made of moulded A.B.S shell covered with a coloured cotton fabric cap. Front peak (7cm).

Self grip fastening at the back. Ventilated on both sides. Inside foam pad for wearer comfort and protection

100% cotton (50% polyester / 50% cotton for HG913HV) (45% cotton / 55% polyester for HG913OHV).

EN 812.



SINGER

HG914B

Same as HG913B
but with a short peak (3 cm).
100% cotton. Blue colour.

EN 812.

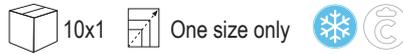


SINGER

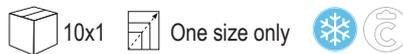


**SIRAC**

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

**SINGER****SAGA**

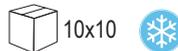
Hood. Outside material: 46 % Tencel™ Modal, 47 % cotton, 7 % elastane, 200 gsm.

**SINGER****CAFPOLA**

Polyamide. Padded.

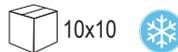
Ear and neck protection in Polar polyester lining.

Adjustable chin strap. One size fits all. Blue colour.

**SINGER****PASMONABL**

Acrylic. Knitted. With peak. Single size only.

Navy blue colour.

**SINGER**

BONABL - Blue colour / **BONTHB** - Thinsulate® lined

BONOI - Black colour / **BONTHN** - Thinsulate® lined

Acrylic knitted. One size only.

**SINGER**

SOUDAC

Welding hood. Cow split leather, aramid yarn. Thickness: 1,4 mm (± 0,1). Front opening with 3 press studs under leather flap.



EN ISO 11611
(Class 1/2 A1)



PYROCAG

Fire retardant protective hood. Outside material: 98% cotton and 2% carbon, 350 gsm. Adjustment with hook-and-loop flap. Original system of hook-and-loops straps on top of the hood. Colour: blue.



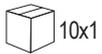
EN ISO 11611
(Class 1 A1+A2)



EN ISO 11612
(Class A1+A2, B1 C1 E1)

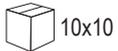


EN ISO 1149-5



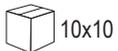
COTCAG

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



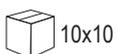
CAP

Cap made of cotton. Adjustment in the back. Black colour.



CAPCOOL

Refreshing cap. Material: 100% polyester, 500 gsm. Triple layer: absorbing intermediate layer. Adjustment at the back of the head. Colour: navy blue.



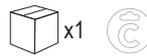
**DM756S**

Silicone half-mask.

Double support system made from a harness attached to the top and back of the head plus an elastic band. Exhalation valve for better breathing.

Twin filter respirator made of rubber (filters sold separately).

EN 140

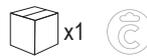
**DM756C**

Rubber half-mask.

Double support system made from a harness attached to the top and back of the head plus an elastic band. Exhalation valve for better breathing.

Twin filter respirator made of rubber (filters sold separately).

EN 140



References	Type of filters EN 14387 and/or EN 143 for DM756C, DM756S	
755A1	A1 filters	C755A1
755A1P3	A1P3 filters	C755A1P3
755A2P3	A2P3 filters	C755A2P3
755ABEK1	ABEK1 filters	C755ABEK1
755ABEK1P3	ABEK1P3 filters	C755ABEK1P3
755P3	Filtro P3	C755P3



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.
 Exhalation valves for better breathing.

EN 140



References	Type of filters EN 14387 for DM761C
760A1	A1 filters
760ABEK1	ABEK1 filters





MP731R - Face piece in rubber.

MP731S - 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.

1 filter carrier (cartridge) with standard EN 148/1 threading. Delivered without cartridge. Delivered in a non-woven bag.

EN 136



References	Type of cartridge EN 14387 and/or EN 143 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



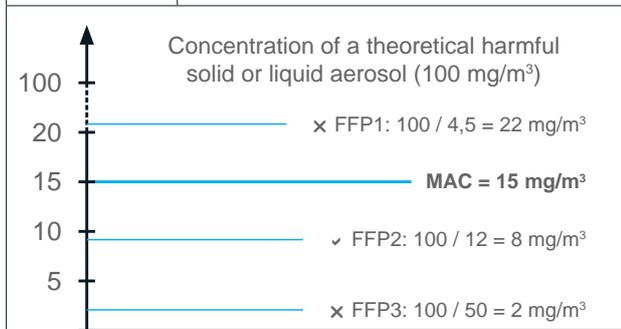
Standards presented in this document are not exhaustive and may change at any time. They are given for information purpose and cannot engage our responsibility in any case. If necessary, it is up to the reader of this catalogue to obtain useful and official documents in order to check the exact content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

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

EN 14387 - FILTER TYPE	
A (Brown)	Against gas and organic vapours with a boiling point superior to 65°C specified by the manufacturer
B (Grey)	Against certain gas and inorganic vapours specified by the manufacturer
E (Yellow)	Against sulphur dioxide, other gas, acid and vapours specified by the manufacturer
K (Green)	Against ammonia and organic derivatives of ammonia specified by the manufacturer

EN 143 - FILTER CLASS	
P1	Small capacity
P2	Medium capacity
P3	Large capacity
Classes are listed after the type of environment	

EN 149 - FIELD OF USE	
FFP1	Protection against non toxic solid and liquid aerosols. Concentrations: up to 4,5 x MAC or 4 x APF.
FFP2	Protection against non toxic and low-to-average toxicity solid and liquid aerosols. Concentrations: up to 12 x MAC or 10 x APF.
FFP3	Protection against non-toxic, low-to-average toxicity and high toxicity solid and liquid aerosols. Concentrations: up to 50 x MAC or 20 x APF.



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

MAC = Maximum Admissible Concentration.
This is the limit value of a gas or a dust (in ppm or mg/m³) that a person can be exposed during a working day (8h/day) throughout all his professional life, without risk for his health.
APF = Assigned Protection Factor..

EN 149 - USE DURATION	
NR	Solo use
R	Reusable (more than one working day)
D	Improved breathing capacity and lifetime (clogging test with dolomite dust) Low increase of respiratory resistance when the filter is loaded in particle

STANDARDS	
EN 397	Industrial safety helmet.
EN 50365	Electrically insulating helmets for use on low voltage installations.
EN 13087-1 à 10	Protective helmets: test methods.
EN 812	Industrial bump caps.
EN 14052	High performance industrial safety helmets.
EN 443	Helmets for firefighters.

EN 397 - INDUSTRIAL SAFETY HELMET

Obligatory requirements	<ul style="list-style-type: none"> - Shock absorption - Penetration resistance - Flame-resistance - Chin-strap anchorage points
Optional requirements	Optional additional requirements are applicable only when specifically demanded by the manufacturer of the helmet.

EN 443 - HELMETS FOR FIREFIGHTERS

Specifies the main required characteristics for such an 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.

EN 50365 - ELECTRICALLY INSULATING HELMETS



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

EN 812 - INDUSTRIAL BUMP CAPS

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

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

DAILY MAXIMUM EXPOSURE TIME

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

EN 352-1 - EARS-MUFFS

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

EN 352-2 - EARS-PLUGS

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

EN 352-3 - EARS-MUFFS MOUNTED ON HELMET

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



Synthetic
gloves

A clear and efficient identification to help you organising the gloves offer by handling - or protection typ.

Select the most suitable glove at only one glance.

> Handling typ



**FINE WORK
IN A DRY ENVIRONMENT**



**FINE WORK
IN A DAMP ENVIRONMENT**



**HEAVY WORK
IN A DRY ENVIRONMENT**



**HEAVY WORK
IN A DAMP ENVIRONMENT**

> Protection typ



AGAINST BURNING



AGAINST CUT



CHEMICAL PROTECTION



AGAINST HEAT



AGAINST COLD



AGAINST VIBRATIONS



Eco-responsible fabric.
Ecological and without harmful
substance to health.

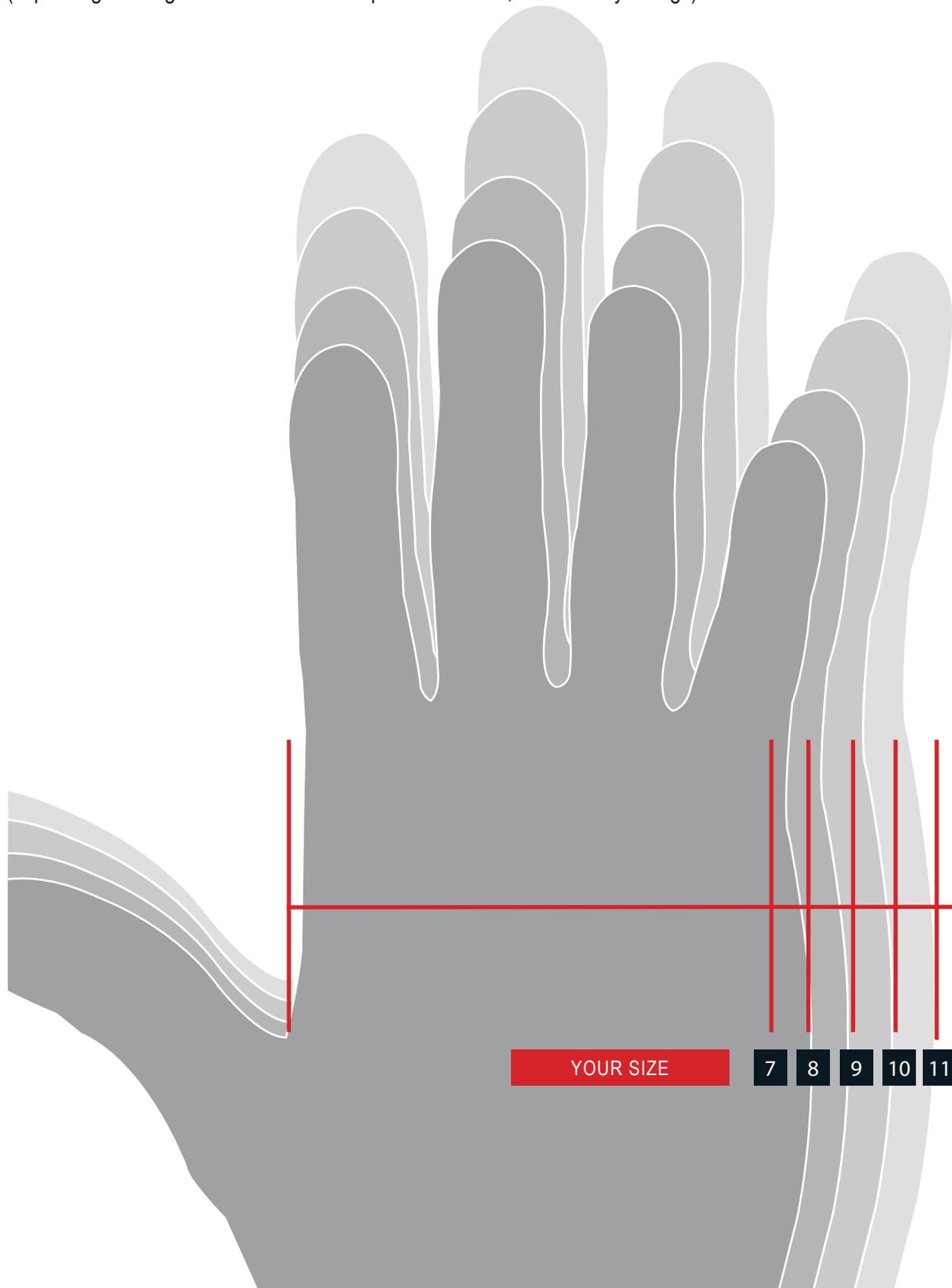


Protection against molding and
microbial attacks.
Provides a longer lifespan.



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

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



**TAC10RED**

Support: acrylic, seamless knitted. Gauge: 10.
Wrist: elastic knit with piping. Lining: acrylic terry.
Coating: latex foam, coated on palm. Colour: grey and orange.



1.1.3.1.X



0.1.0



10x10



8→11

**SINGER** **LAT57**

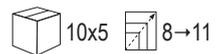
Support: polyamide, seamless knitted. Gauge: 13.
Wrist: elastic knit with piping. Lining: acrylic terry.
Double coating. First layer: smooth latex, fully coated.
Second layer: sandy latex foam, coated on palm. Colour: black and grey.



2.1.3.1.X



X.2.X



10x5



8→11

**SINGER** **SNOWFLEX**

Support: polyamide, seamless knitted. Gauge: 10.
Wrist: elastic knit with piping. Lining: acrylic terry.
Coating: latex foam, fully coated. Colour: black.



2.2.2.2.B



X.2.X



10x10



9→11

**SINGER**



NYM13LAT

Support: polyester, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping.
 Coating: latex foam, coated on palm. Colour: black and red.



2.1.3.1.X

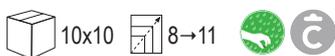


LAT157

Support: polyamide, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping. Double coating.
 First layer: smooth latex, fully coated.
 Second layer: sandy latex foam, coated on palm. Colour: black and grey.



2.1.3.1.X





[FINE WORK]

NYM15LG

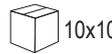
Support: polyamide, seamless knitted. Gauge: 15.

Wrist: elastic knit with piping.

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



2.1.3.1.X



10x10



8→11

**SINGER** 

[FINE WORK]

NYM73LN

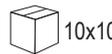
Support: polyester, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

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



2.1.3.1.X



10x10



9→11

**PROSUP** 

[FINE WORK]

PER73LAT

Support: polyester, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

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



2.1.3.1.X



10x10



6→11

**PROSUP**



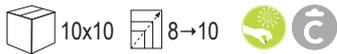
[HIGH VISIBILITY]

NYM15HVG

Support: polyester, seamless knitted. Gauge: 15.
 Wrist: elastic knit with piping.
 Coating: crinkle latex, coated on palm. Colour: black and yellow.



2.1.3.1.X



SINGER



[HIGH VISIBILITY]

NYM73HVN

Support: polyester, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping.
 Coating: crinkle latex, coated on palm. Colour: black and yellow.



2.1.3.1.X



Prosur





[REDUCES
VIBRATIONS]

CVBR

Support: polyester, seamless knitted. Gauge: 7.
Wrist: elastic knit with piping.
Coating: rubber foam, coated on palm. Colour: black.



4.1.4.2.X

EN ISO 10819: 2013



10x5



9→10



SINGER



TAC30R

Support: acrylic, seamless knitted. Gauge: 10.
Wrist: elastic knit with piping. Lining: acrylic terry.
Coating: crinkle latex, coated on palm. Colour: black and orange.



2.1.3.1.X



X.2.X



10x10



8→11



SINGER

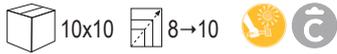


TAC1025V

Support: polyester and cotton, seamless knitted. Gauge: 10. Wrist: elastic knit with piping. Coating: crinkle latex, coated on palm. Colour: green and yellow.



2.1.4.1.X



SINGER



TAC1025O

Support: polyester and cotton, seamless knitted. Gauge: 10. Wrist: elastic knit with piping. Coating: crinkle latex, coated on palm. Colour: orange and yellow.



2.1.4.1.X



SINGER

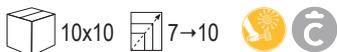


TAC10BL

Support: polyester, seamless knitted. Gauge: 10. Wrist: elastic knit with piping. Coating: crinkle latex, coated on palm. Colour: blue.



2.1.4.2.X



SINGER

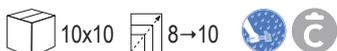


TAC20BL

Support: polyester, seamless knitted. Gauge: 10. Wrist: elastic knit with piping. Coating: crinkle latex, 3/4 coated. Colour: blue.



2.1.4.2.X



SINGER



(*) Average values

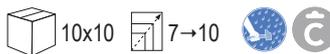


LAT426IG

Support: cotton, cut/sewn. Wrist: elastic knit.
Coating: crinkle latex, ¾ coated. Colour: natural and green.



2.1.3.1.X



SINGER



LAT3130

Support: cotton, cut/sewn. Wrist: zigzag edge.
Length: 300 mm*. Thickness: 1,60 mm*.
Double coating: latex, fully coated.
Exterior finishing: smooth (cuff) and crinkle (palm and back). Colour: blue.



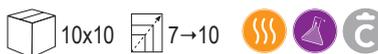
3.1.3.1.X



X.2.X.X.X.X



Type B
A.K.L.P.T



SINGER



LAT2130

Support: cotton, cut/sewn. Wrist: zigzag edge.
Length: 300 mm*. Thickness: 1,30 mm*.
Coating: latex, fully coated. Exterior finishing: smooth. Colour: blue.



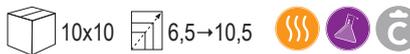
3.1.3.1.A



X.2.X.X.X.X



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



SINGER



LAT840

Support: cotton, cut/sewn. Wrist: zigzag edge.
 Length: 400 mm*. Thickness: 1,90 mm*.
 Coating: latex, fully coated. Exterior finishing: smooth (cuff) and crinkle (palm and back). Colour: orange.



3.1.3.1.X



X.2.X.X.X.X



Type 9
A.K.L.P.T



SINGER



LAT830

Support: cotton, cut/sewn. Wrist: zigzag edge.
 Length: 310 mm*. Thickness: 1,90 mm*.
 Coating: latex, fully coated. Exterior finishing: smooth (cuff) and crinkle (palm and back). Colour: orange.



3.1.3.1.X



X.2.X.X.X.X



Type 9
A.K.L.P.T



SINGER





**SPECIAL FOR
CLEANING**

LAT2005

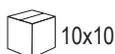
Unsupported. Wrist: zigzag edge.
Flock-lining: cotton. Length: 300 mm*. Thickness: 0,45 mm*.
Coating: latex, fully coated. Exterior finishing: smooth (cuff and back)
and embossed (palm). Colour: yellow.



1.0.0.0.X



Type B
K.P.T.



10x10



7→10



SINGER

(*) Average values



**SPECIAL FOR
CLEANING**

LAT2004

Unsupported. Wrist: zigzag edge. Without flock-lining.
Length: 280 mm*. Thickness: 0,39 mm*. Coating: latex, fully coated.
Exterior finishing: smooth (cuff and back) and embossed (palm).



1.0.0.0.X



Type B
K.P.T.



10x10



7→10



SINGER

**SPECIAL FOR
ELECTRICIAN**

LAT1025 / LAT1050

Unsupported. Wrist: straight edge.
LAT1050. Length: 360 mm*. Thickness: 1,00 mm*.
LAT1025. Length: 360 mm*. Thickness: 0,50 mm*.
Coating: latex, fully coated. Exterior finishing: smooth.



LAT1025: tested to 2500 V / Tension of use: 500 V / class 00

LAT1050: tested to 5000 V / Tension of use: 1000 V / class 0



x1



9→10

SINGER



[MULTIRISKS] [FOOD CONTACT]

NEO5040

Support: acrylic terry, seamless knitted.
 Gauge: 7. Wrist: straight edge. Length: 380 mm*. Thickness: 2,30 mm*.
 Coating: neoprene, fully coated. Exterior finishing: smooth (cuff and back) and embossed (palm). Colour: black.



Synthetic gloves

[CERTIFIED ISO 14001] [SPECIAL FOR AGGRESSIVE ENVIRONMENTS]

NEO400

Unsupported. Wrist: straight edge. Flock-lining: cotton.
 Length: 330 mm*. Thickness: 0,68 mm*.
 Coating: polychloroprene, fully coated. Exterior finishing: smooth (cuff and back) and embossed (palm). Colour: black.



[CERTIFIED ISO 14001] [SPECIAL FOR AGGRESSIVE ENVIRONMENTS]

NEO270

Unsupported. Wrist: straight edge. Flock-lining: cotton.
 Length: 320 mm*. Thickness: 0,68 mm*.
 Coating: latex and neoprene, fully coated. Exterior finishing: smooth (cuff and back) and embossed (palm). Colour: black.





MULTIRISKS

NITPOL30

Support: cotton, seamless knitted. Wrist: straight edge with piping.
Lining: polar fleece polyester. Length: 300 mm*. Thickness: 2,40 mm*.
Coating: nitrile, fully coated. Exterior finishing: smooth (cuff) and rough (palm and back). Colour: blue.



3.1.1.1.X



1.1.1



X.2.X.X.X.X



Type C



10x10



9→10



SINGER

(*) Average values



**SPECIAL FOR
AGGRESSIVE
ENVIRONMENTS**

**FOOD
CONTACT**

NIT1538

Unsupported. Wrist: straight edge. Flock-lining: cotton.
Length: 330 mm*. Thickness: 0,38 mm*. Coating: nitrile, fully coated.
Exterior finishing: smooth (cuff and back) and embossed (palm).
Colour: green.



3.1.0.1.X



Type A
A.J.K.L.M.N.O



VIRUS



10x10



7→11



SINGER



**SPECIAL FOR
AGGRESSIVE
ENVIRONMENTS**

NIT15

Unsupported. Wrist: straight edge. Flock-lining: cotton.
Length: 330 mm*. Thickness: 0,38 mm*. Coating: nitrile, fully coated.
Exterior finishing: smooth (cuff and back) and embossed (palm).
Colour: green.



3.0.0.1.X



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



10x10



7→11



SINGER

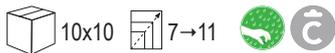


GRIP157

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



4.1.2.1.X



GRIPTOP

Support: polyamide, seamless knitted. Gauge: 18.
 Wrist: elastic knit with piping.
 Double coating. First layer: smooth nitrile, fully coated.
 Second layer: nitrile foam, 3/4 coated. Colour: black, grey and red.



4.1.2.1.X





NYMFIT03

Support: polyamide and elastane, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping. Coating: nitrile foam, coated on palm. Colour: black and grey.



4.1.3.1.X



X.1.X.X.X



10x10



7→11





NYMFIT00

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



4.1.3.1.X



X.1.X.X.X.X



10x10



7-11



SINGER



NYMFIT01

Support: polyamide and elastane, seamless knitted. Gauge: 15.
 Wrist: elastic knit with piping.
 Coating: nitrile foam, 3/4 coated.
 Dots: nitrile, on palm. Colour: black and grey.



4.1.3.1.X



X.1.X.X.X.X



10x10



6-10



SINGER



NYMFIT02

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



4.1.3.1.X



X.1.X.X.X.X



10x10



7-10



SINGER





OEKO-TEX®
STANDARD 100

PER200

Support: polyester and elastane, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping. Coating: nitrile foam, coated on palm. Colour: black and blue.



4.1.2.1.X



SINGER®



PER100

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



4.1.2.1.X



SINGER



PER134

Support: polyester and elastane, seamless knitted. Gauge: 15.
 Wrist: elastic knit with piping.
 Coating: nitrile foam, 3/4 coated.
 Dots: nitrile, on palm. Colour: black and blue.



4.1.2.1.X



SINGER



PER157

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



4.1.2.1.X



SINGER





NYMFOR03

Support: polyamide and elastane, seamless knitted. Gauge: 15. Wrist: elastic knit with piping. Coating: smooth nitrile, coated on palm. Reinforcement patch: nitrile, between thumb and forefinger. Colour: black and grey.



4.1.3.1.X



X.1.X.X.X.X



10x10



6→11





SCREENTOUCH
GLOVES AGAINST COLD

NSA15T

Support: acrylic, polyamide and elastane, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping. Coating: nitrile foam, coated on palm. Colour: blue .



4.1.2.1.X

10x10 7→11  

SINGER 

**NYM313NIB**

Support: polyamide, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

Coating: nitrile, coated on palm. Colour: black.



3.1.2.1.X



10x10



7→11

**SINGER** **NYM13GB**

Support: polyamide, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

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



3.1.2.1.X



10x10



7→11

**SINGER** **NYM34GB**

Support: polyester, seamless knitted. Gauge: 15.

Wrist: elastic knit with piping.

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



4.1.2.1.X



10x10



8→10

**SINGER**

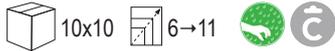


NYM157NB

Support: polyester, seamless knitted. Gauge: 15.
 Wrist: elastic knit with piping.
 Coating: smooth nitrile, fully coated. Colour: black and grey.



4.1.2.1.X



NYM137NB

Support: polyester, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping.
 Coating: smooth nitrile, fully coated. Colour: black.



3.1.2.1.X



NYM13NIG

Support: polyamide, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping.
 Coating: smooth nitrile, coated on palm. Colour: white and grey.



4.1.2.1.X



NYM73NIG

Support: polyester, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping.
 Coating: smooth nitrile, coated on palm. Colour: white and grey.



3.1.2.1.X





[**HEAVY COATING**]

NBR327T

Support: cotton (brushed jersey), cut/sewn.

Wrist: safety cuff (canvas, 7 cm).

Coating: smooth nitrile, fully coated. Colour: natural and blue.



4.1.2.1.B



10x10



9→10



SINGER



[**HEAVY COATING**]

NBR327

Support: cotton (brushed jersey), cut/sewn. Wrist: elastic knit.

Coating: smooth nitrile, fully coated. Colour: natural and blue.



4.1.2.1.B



10x10



8→10



SINGER



[**HEAVY COATING**]

NBR1327

Support: cotton (brushed jersey), cut/sewn. Wrist: elastic knit.

Coating: smooth nitrile, fully coated. Colour: natural and blue.



4.1.1.1.X



10x10



8→10



PROSUP



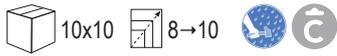
[**HEAVY COATING**]

NBR326

Support: cotton (brushed jersey), cut/sewn. Wrist: elastic knit.
Coating: smooth nitrile, 3/4 coated. Colour: natural and blue.



4.1.2.1.B



SINGER



[**HEAVY COATING**]

NBR326T

Support: cotton (brushed jersey), cut/sewn.
Wrist: safety cuff (canvas, 7 cm).
Coating: smooth nitrile, 3/4 coated. Colour: natural and blue.



4.1.2.1.B



SINGER



[**HEAVY COATING**]

NBR1326

Support: cotton (brushed jersey), cut/sewn. Wrist: elastic knit.
Coating: smooth nitrile, 3/4 coated. Colour: natural and blue.



4.1.1.1.X



Prosur





[LIGHT COATING]

NBR227

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



3.1.1.1.X



10x10



7→10



SINGER



[LIGHT COATING]

NBR226

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



3.1.1.1.X



10x10



7→10



SINGER



[ULTRA-LIGHT COATING]

NBR1126B

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



3.1.1.1.X



10x10



7→10



PROSUP



[ULTRA-LIGHT COATING]

NBR126

Support: cotton (interlock), cut/sewn. Wrist: elastic knit.
Coating: smooth nitrile, 3/4 coated. Colour: natural and orange.



2.1.1.1.X



SINGER



[ULTRA-LIGHT COATING]

NBR1126J

Support: cotton (interlock), cut/sewn. Wrist: elastic knit.
Coating: smooth nitrile, 3/4 coated. Colour: natural and yellow.



3.1.1.1.X



Prosur





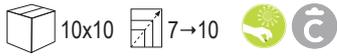


NL00

Support: polyamide, seamless knitted. Gauge: 18.
 Wrist: elastic knit with piping.
 Coating: polyurethane, coated on palm. Colour: black and blue.



3.1.2.0.X



NL10

Support: polyamide, seamless knitted. Gauge: 18.
 Wrist: elastic knit with piping.
 Coating: polyurethane, 3/4 coated. Colour: black and blue.



3.1.2.0.X



NYMFLEX

Support: polyamide, seamless knitted. Gauge: 15.
 Wrist: elastic knit with piping. Lining: acrylic terry.
 Coating: polyurethane, coated on palm. Colour: black and blue.



3.2.4.1.X



X.2.X





NYM15PUG

Support: polyamide, seamless knitted. Gauge: 15. Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: grey.



3.1.3.1.X



SINGER

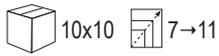


NYM313PUG

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



3.1.3.1.X

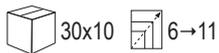


NYM713PUG

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



3.1.2.1.X



NYM713PUB

Support: polyester, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping.
 Coating: polyurethane, coated on palm. Colour: black.



3.1.2.1.X





NYM713PU

Support: polyester, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping.
 Coating: polyurethane, coated on palm. Colour: white.



3.1.2.1.X



NYM13F

Support: polyester, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping.
 Coating: polyurethane, coated on fingers tips. Colour: white.



0.1.3.X.X





**ANTISTATIC
GLOVES**

NYM13AS

Support: polyester and carbon, seamless knitted. Gauge: 13. Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: white.



EN 16350 - Electrostatic characteristic:
« Vertical resistance: $R_v < 1.0 \times 10^8 \Omega$. »

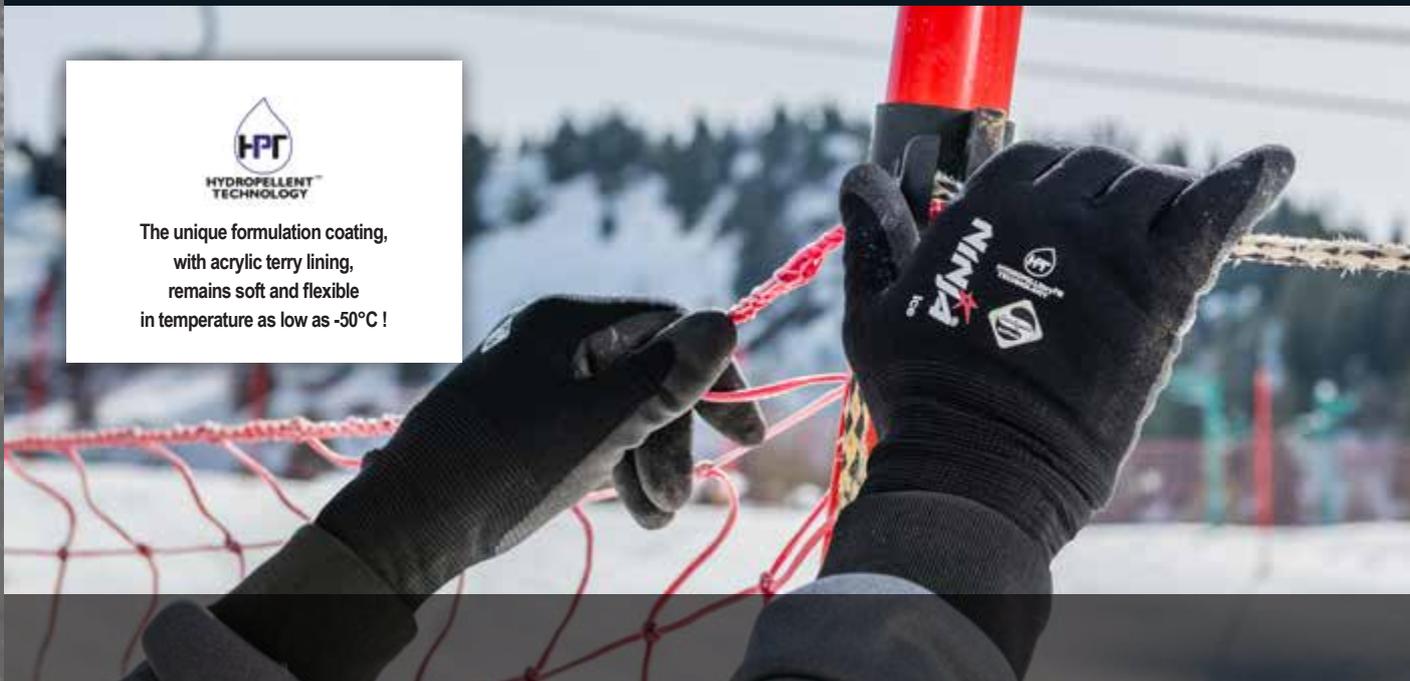
2.1.3.1.X





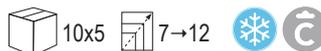
HYDROPELLENT™
TECHNOLOGY

The unique formulation coating,
with acrylic terry lining,
remains soft and flexible
in temperature as low as -50°C!



NI00

Support: polyamide with water repellent treatment, seamless knitted.
Gauge: 15. Wrist: elastic knit with piping. Lining: acrylic terry.
Coating: HPT™, coated on palm. Colour: black.



NI10

Support: polyamide with water repellent treatment, seamless knitted.
Gauge: 15. Wrist: elastic knit with piping. Lining: acrylic terry.
Coating: HPT™, ¾ coated. Colour: black.





NI00HV

Support: polyamide with water repellent treatment, seamless knitted.
 Gauge: 15. Wrist: elastic knit with piping. Lining: acrylic terry.
 Coating: HPT™, coated on palm. Colour: black and yellow.



3.2.3.1.X



X.2.X



NI57

Support: polyamide, seamless knitted. Gauge: 15.
 Wrist: elastic knit with piping. Lining: acrylic terry.
 Double coating. First layer: HPT™, fully coated.
 Second layer: HPT™, ¾ coated. Colour: black and grey.



3.1.3.2.X



1.3.0





NYMR15CFTN

Support: polyamide with water repellent treatment, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping.

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



3.1.3.1.X



10x10



7→12



SINGER



NYMV15CFTN

Support: polyamide with water repellent treatment, seamless knitted.

Gauge: 15. Wrist: elastic knit with piping.

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



3.1.3.1.X



10x10



8→10



SINGER



NYMR15D

Support: polyamide with water repellent treatment, seamless knitted.
 Gauge: 15. Wrist: elastic knit with piping. Coating: HPT™, coated on palm.
 Dots: PVC, on palm. Colour: black and red.



3.1.3.1.X



SINGER



N10

Support: polyamide with water repellent treatment, seamless knitted.
 Gauge: 15. Wrist: elastic knit with piping.
 Coating: HPT™, ¾ coated. Colour: black.



3.1.3.1.X



SINGER





(*) Average values



[**REMOVABLE LINING**]



PVCKREM

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



4.1.3.1.X



12.1



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



5x10



10



SINGER



PVC535K

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



4.1.2.1.X



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



5x10



8→11



SINGER



PVC3028

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



4.1.2.1.X



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



VIRUS



5x10



9-10



SINGER



PVC3040

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



4.1.2.1.X



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



VIRUS



5x10



9-10



SINGER



PVC3045

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



4.1.2.1.X



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



VIRUS



5x10



10



SINGER





(*) Average values



PVC5201

Support: cotton (interlock), cut/sewn. Wrist: elastic knit.
Coating: smooth PVC, ¾ coated. Colour: white and red.



4.1.1.1.X



10x10



9→10



Prosur



PVC5227

Support: cotton (interlock), cut/sewn. Wrist: zigzag edge.
Length: 270 mm*. Coating: smooth PVC, fully coated. Colour: red.



4.1.1.1.X



10x10



10



Prosur



PVC5235

Support: cotton (interlock), cut/sewn. Wrist: zigzag edge.
Length: 350 mm*. Coating: smooth PVC, fully coated. Colour: red.



4.1.1.1.X



10x10



10



Prosur

PVC728



Support: cotton (interlock), cut/sewn.
 Wrist: zigzag edge. Length: 270 mm*. Thickness: 1,20 mm*.
 Coating: PVC, fully coated. Exterior finishing: smooth. Colour: red.



4.1.2.1.X



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



VIRUS



SINGER



PVC736



Support: cotton (interlock), cut/sewn.
 Wrist: zigzag edge. Length: 350 mm*. Thickness: 1,20 mm*.
 Coating: PVC, fully coated. Exterior finishing: smooth. Colour: red.



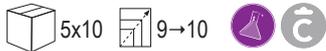
4.1.2.1.X



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



VIRUS



SINGER



PVC740



Support: cotton (interlock), cut/sewn.
 Wrist: zigzag edge. Length: 400 mm*. Thickness: 1,20 mm*.
 Coating: PVC, fully coated. Exterior finishing: smooth. Colour: red.



4.1.2.1.X



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



VIRUS



SINGER



PVC755



Support: cotton (interlock), cut/sewn.
 Wrist: zigzag edge. Length: 580 mm*. Thickness: 1,50 mm*.
 Coating: PVC, fully coated. Exterior finishing: smooth. Colour: red.



4.1.2.1.X



Type B
A.K.L



VIRUS



SINGER



PVC775



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



4.1.2.1.X



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



VIRUS



SINGER





[**AMBIDEXTROUS**]

TCC507HB / TCC507FB

Support: polyester and cotton, seamless knitted. Gauge: 7.

Wrist: elastic knit with piping. Uncoated.

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



1.1.2.1.X



10x10



Men: TCC507HB
Women: TCC507FB



SINGER 



[**RECYCLED FIBERS**]

TC207HB / TC207FB

Support: polyester and cotton, seamless knitted. Gauge: 7.

Wrist: elastic knit with piping. Uncoated.

Dots: PVC, on palm. Colour: blue.



1.1.2.1.X



10x10



Men: TC207HB
Women: TC207FB



PROSUP 

NYM1344D

Support: polyamide, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping. Uncoated.
 Dots: PVC, on palm. Colour: white and blue.



2.1.4.X.X



SINGER



NYM13214

Support: polyamide and cotton, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping. Uncoated.
 Dots: PVC, on palm. Colour: white and blue.



2.1.4.1.X



SINGER



[SPECIAL COLD]

TBC

Support: acrylic, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping. Uncoated.
 Reinforcement patch: PVC, glued between thumb and forefinger.
 Dots: PVC, on palm. Colour: blue.



1.1.2.1.X



X.1.X



SINGER





AMBIDEXTROUS

THR713

Support: synthetic fibers and elastane, seamless knitted. Gauge: 13. Wrist: elastic knit with piping. Uncoated. Colour: blue.



0.1.2.1.X



10x10



One size only



SINGER 



[AMBIDEXTROUS]

FROST

Support: bamboo fiber and elastane, seamless knitted. Gauge: 13.
Wrist: elastic knit with piping. Uncoated. Colour: blue.



30x10 One size only

SINGER

[AMBIDEXTROUS]

NYM13DM

Support: polyamide, seamless knitted. Gauge: 13.
Wrist: elastic knit with piping. Uncoated. Colour: white.



0.1.4.XX



10x10 6→11

SINGER

NY100

Support: polyamide, cut/sewn. "Fourchettes" pattern.
Wrist: straight edge. Uncoated. Colour: white.



30x10 6→12

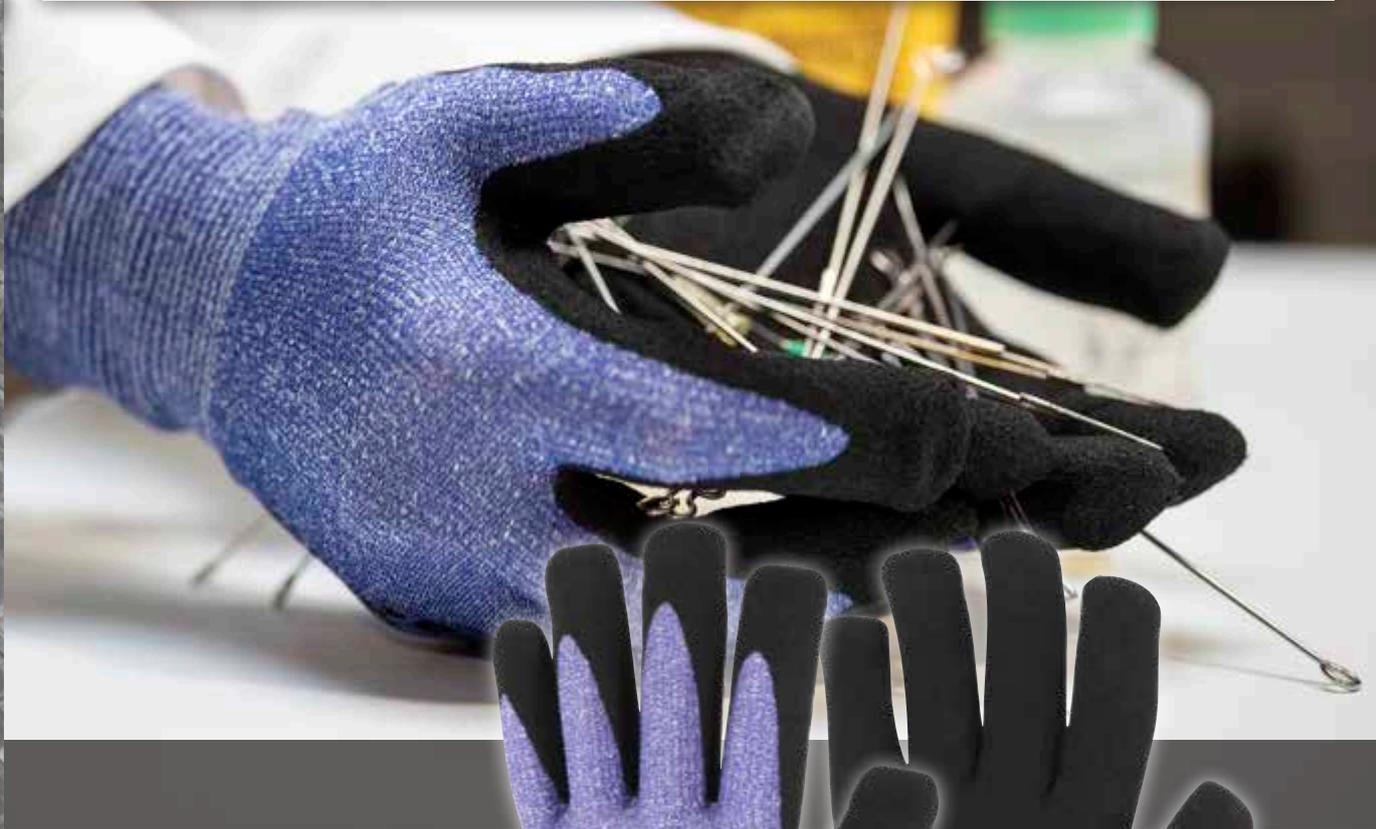
SINGER



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

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

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



PIC13F

Support: high density polyethylene and elastane, seamless knitted. Gauge: 13. Wrist: elastic knit with piping. Lining: First layer, silica. Second layer, stainless steel on palm and fingertips. Third layer, cotton. Coating: sandy nitrile, coated on palm. Pierce resistant layer: metal knitted layer and cotton-lined silica film, on the palm and on fingertips. Reinforcement patch: fingertips. Colour: black and blue.



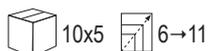
4.X.4.3.F



ANSI - CUT



ASTM F2875
Level 3



10x5



6-11



SINGER



[PROTECTION AGAINST SHOCKS]

PHS500P

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

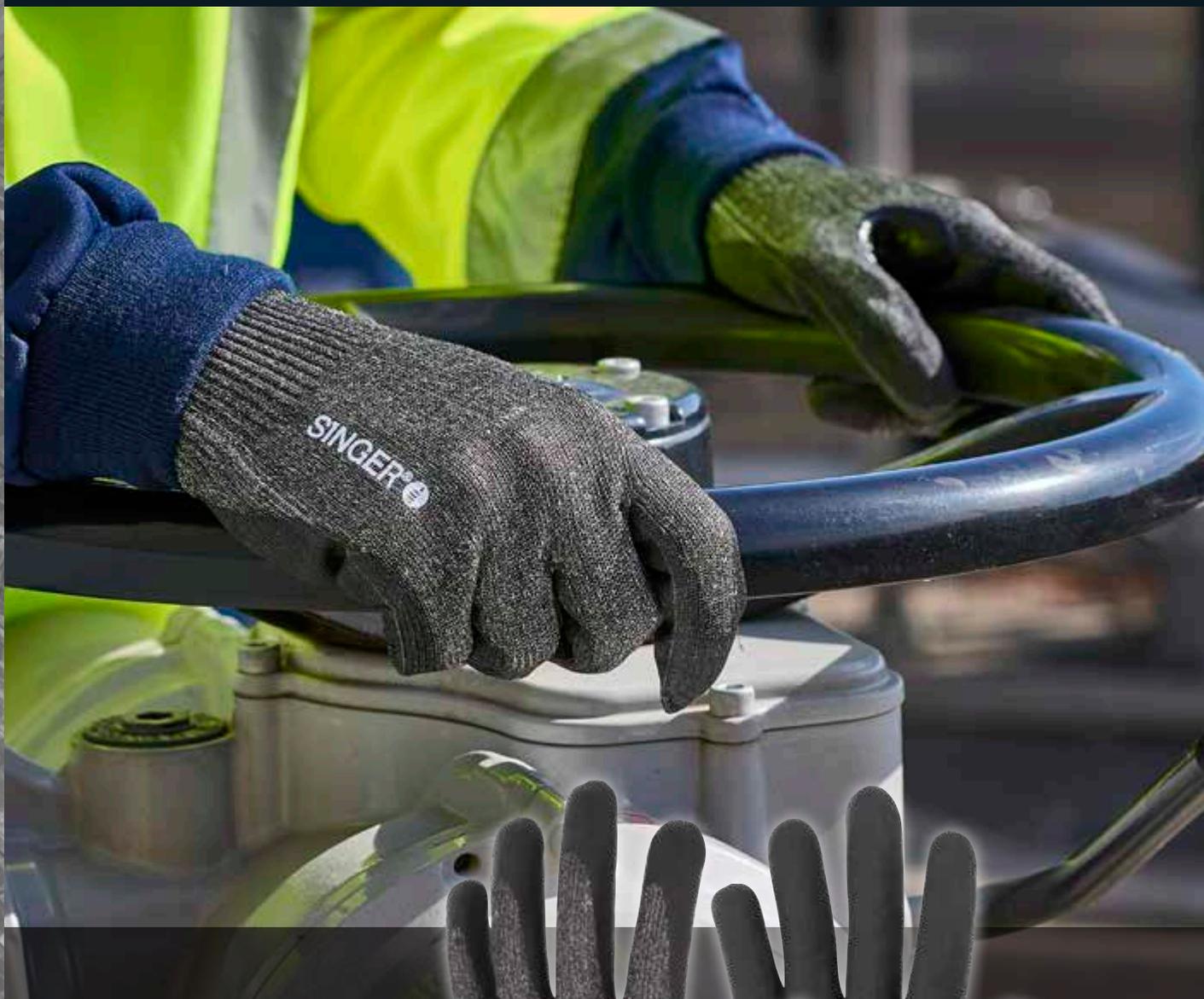


4.X.4.3.F.P

12x5 8-11

SINGER

Synthetic gloves



OEKO-TEX®
STANDARD 100

PHS500

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



4.X.4.3.F



10x10



7→11



SINGER®



Synthetic gloves

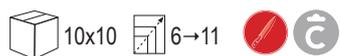


PHS600

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



4.X.4.3.F





NITCUT®

Support: inner layer of cotton, intermediate layer of nitrile and outer layer of high density polyethylene.
 Length: 300 mm*. Thickness: 2,20 mm*.
 Wrist: elastic knit. Dots: nitrile, on palm. Colour: grey.



4.X.4.4.E X.1.X.X.X.X Type B A.K.L



PHDCUT

Support: high density polyethylene, seamless knitted. Gauge: 10.
 Wrist: elastic knit with piping. Reinforcement patch: leather, stitched on fingers, on palm, between thumb and forefinger. "Fourchette" pattern.
 Colour: white, black and grey.



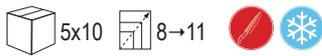
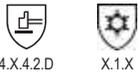
4.4.4.4.D X.2.X.X.X.X





SNOWCUT®

Support: high density polyethylene, seamless knitted. Gauge: 10.
 Wrist: elastic knit with piping. Lining: acrylic terry.
 Coating: nitrile foam, coated on palm. Colour: black and grey.

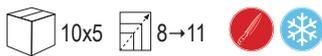


SINGER



PHD400NIF

Support: high density polyethylene, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping. Lining: acrylic terry.
 Coating: sandy nitrile foam, coated on palm. Colour: white and black.

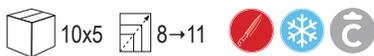


SINGER



PHD434NIF

Support: high density polyethylene, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping. Lining: acrylic terry.
 Coating: sandy nitrile foam, ¾ coated. Colour: white and black.



SINGER





PHD50RED

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

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

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



4.X.4.2.D



X.1.X.X.X.X



10x10



6→11


SINGER



OEKO-TEX®
STANDARD 100

[MICRO-FOAM COATING]

PHD54RED

Support: polyester, high density polyethylene, elastane and glass fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping.
Coating: nitrile micro-foam, ¾ coated.
Reinforcement patch: nitrile, between thumb and forefinger.
Dots: nitrile, on palm. Colour: black and red.



4.X.4.3.D



X.1.X.X.X.X



SINGER



OEKO-TEX®
STANDARD 100

[MICRO-FOAM COATING]

PHD5RED

Support: polyester, high density polyethylene, elastane and glass fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping.
Coating: nitrile micro-foam, coated on palm.
Reinforcement patch: nitrile, between thumb and forefinger.
Dots: nitrile, on palm. Colour: black and red.



4.X.4.3.D



X.1.X.X.X.X



SINGER





PHD500

Support: high density polyethylene and glass fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping.
Double coating. First layer: smooth nitrile, coated on palm. Second layer: sandy nitrile foam, coated on palm. Colour: white, black and grey.



4.X.4.3.D



10x10



6→11



SINGER



DOUBLE COATING

PHD557

Support: high density polyethylene, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

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

Second layer: sandy nitrile foam, coated on palm.

Colour: white, black and grey.



4.X.4.3.D



10x10



6→11



SINGER



DOUBLE COATING

PHD534

Support: high density polyethylene, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

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

Second layer: sandy nitrile foam, coated on palm.

Colour: white, black and grey.



4.X.4.3.D



10x10



6→11



SINGER



**PHS400**

Support: polyester, high density polyethylene and glass fibers, seamless knitted. Gauge: 13. Wrist: elastic knit with piping. Uncoated. Colour: grey.



4.X.4.2.D





PHD305PU

Support: polyamide, high density polyethylene, elastane and glass fibers, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping. Coating: polyurethane, coated on palm.
 Reinforcement patch: stitched between thumb and forefinger.
 Colour: grey.



4.X.4.3.D



SINGER

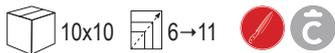


PHD135PU

Support: polyamide, high density polyethylene, elastane and glass fibers, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping.
 Coating: polyurethane, coated on palm. Colour: grey.



4.X.4.3.D



SINGER



PHD325PU

Support: polyamide, high density polyethylene, elastane and glass fibers, seamless knitted. Gauge: 13.
 Wrist: elastic knit with piping.
 Coating: polyurethane, coated on palm. Colour: grey.



4.X.4.3.D



Prosur





[POLYURETHANE
COATING]

PHD5PU

Support: high density polyethylene, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

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



4.X.4.2.C



10x10



6→11



SINGER 



[LATEX
COATING]

PHD5LAT

Support: high density polyethylene, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

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



3.X.4.2.C



10x10



9→11



SINGER 



[NITRILE
COATING]

PHD5NIF

Support: high density polyethylene, seamless knitted. Gauge: 13.

Wrist: elastic knit with piping.

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



4.X.4.2.C



10x10



8→11



SINGER 



GRIPCUT®

Support: high density polyethylene, seamless knitted. Gauge: 10.
 Wrist: elastic knit with piping.
 Double coating. First layer: smooth nitrile, ¾ coated.
 Second layer: sandy nitrile foam, coated on palm.
 Colour: black and blue.



4.X.4.3.C X.1.X.X.X.X



NFB10B

Support: synthetic fibers and glass fibers, seamless knitted.
 Gauge: 10. Wrist: elastic knit with piping.
 Coating: bi-polymer (polyurethane and nitrile), coated on palm.
 Colour: black and grey.



4.X.3.1.B



NX430

Support: synthetic fibers and glass fibers, seamless knitted.
 Gauge: 10. Wrist: elastic knit with piping.
 Coating: bi-polymer (polyurethane and nitrile), fully coated.
 Colour: black and grey.



4.X.3.1.B



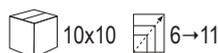


PHD133PUW

Support: polyamide, high density polyethylene and elastane, seamless knitted. Gauge: 13. Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: white.



4.X.4.2.B


SINGER


PHD133PU

Support: polyamide, high density polyethylene and elastane, seamless knitted. Gauge: 13. Wrist: elastic knit with piping. Coating: polyurethane, coated on palm. Colour: grey.



4.X.4.2.B


SINGER



PHD3PU

Support: high density polyethylene, seamless knitted.
 Gauge: 13. Wrist: elastic knit with piping.
 Coating: polyurethane, coated on palm. Colour: grey.



4.X.4.2.B



SINGER



DYN133GPUG

Support: high density polyethylene, seamless knitted.
 Gauge: 13. Wrist: elastic knit with piping.
 Coating: polyurethane, coated on palm. Colour: grey.



4.3.4.3.B



SINGER



[AMBIDEXTROUS] [HEAT CONTACT: LEVEL 3]

TKV7P

Support: Kevlar®, seamless knitted. Gauge: 7.
Wrist: elastic knit with piping. Lining: cotton fleece. Length: 340 mm*.
Uncoated. Colour: yellow.



2.5.4.1.C



4.3.4.3.2.X



50x1



11



SINGER

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



TKV105

Support: aramid fibers, steel fibers and synthetic fibers, seamless knitted.
Gauge: 10. Wrist: elastic knit with piping.
Coating: crinkle latex, coated on palm. Colour: grey and blue.



4.X.4.3.E



X.2.X.X.X.X



10x10



7→11



SINGER



TKV345

Support: aramid fibers, steel fibers and synthetic fibers, seamless knitted.
Gauge: 10. Wrist: elastic knit with piping.
Coating: crinkle latex, ¾ coated. Colour: grey and blue.



4.X.4.3.E



X.2.X.X.X.X



10x10



8→10



SINGER



Cotton & Leather
gloves



[**AMBIDEXTROUS**] [**HEAVY FINISH**]

JE300H / JE300F

Support: cotton (interlock), two-piece reversible pattern.
Wrist: elastic knit. Uncoated. Colour: natural.



30x10



Men (10): JE300H
Women (8): JE300F



SINGER



[**AMBIDEXTROUS**] [**LIGHT FINISH**]

JE300HL / JE300FL

Support: cotton (interlock), two-piece reversible pattern.
Wrist: elastic knit. Uncoated. Colour: natural.



30x10



Men (10): JE300HL
Women (8): JE300FL



PROSUP

[**LENGTH**
35 CM]

JB135

Support: cotton (interlock), "Fourchette" pattern.
Wrist: straight edge. Uncoated. Colour: white.



SINGER



JB100

Support: cotton (interlock), "Fourchette" pattern.
Wrist: straight edge. Uncoated. Colour: white.



SINGER



JBP100SW

Support: cotton (interlock), "Fourchette" pattern.
Wrist: straight edge. Uncoated. Colour: white.



Prosur





400JE / 400JEF

Support: cotton (brushed jersey), cut/sewn.
Wrist: elastic knit. Uncoated. Colour: natural.



30x10

Men (10): 400JE
Women (8): 400JEF

SINGER



400JM / 400JMF

Support: cotton (brushed jersey), cut/sewn.
Wrist: elastic knit. Uncoated. Colour: brown.



30x10

Men (10): 400JM
Women (8): 400JMF

SINGER



[MEDIUM WEIGHT TERRY]

700BM

Support: cotton (terry), cut/sewn.
Wrist: elastic knit. Uncoated. Colour: natural.



1.1.3.XX



X.1.X.X.XX



SINGER



[MEDIUM WEIGHT TERRY]

700BM15T

Support: cotton (terry), cut/sewn.
Cuff: canvas, 15 cm. Uncoated. Colour: natural.



1.1.3.XX



X.1.X.X.XX



SINGER





[**BRUSHED
INTERIOR**]

P754H / PH754F

Support: cotton (woven, simple layer), cut/sewn.
Wrist: elastic knit. Uncoated. Colour: natural.



30x10

Men (10): P754H
Women (8): P754F



SINGER



[**BRUSHED
INTERIOR**]

[**BRUSHED PALM
AND INDEX FINGER**]

PRP754/08

Support: cotton (woven, double layer), cut/sewn.
Cuff: canvas, 8 cm. Uncoated. Colour: natural.



1.1.1.2.X



X.1.X.X.X.X



10x10



10



SINGER



[**BRUSHED
INTERIOR**]

[**BRUSHED PALM
AND INDEX FINGER**]

PRP754/15

Support: cotton (woven, double layer), cut/sewn.
Cuff: canvas, 15 cm. Uncoated. Colour: natural.



1.1.1.2.X



X.1.X.X.X.X



10x10



10



SINGER

[AMBIDEXTROUS]

T301H

Support: polyester and cotton, seamless knitted. Gauge: 7.
Wrist: elastic knit with piping. Uncoated. Colour: natural.



30x10 Men: T301H



[AMBIDEXTROUS]

T301HL / T301FL

Support: polyester and cotton, seamless knitted. Gauge: 10.
Wrist: elastic knit with piping. Uncoated. Colour: natural.



30x10 Men: T301HL
Women: T301FL



[AMBIDEXTROUS] [RECYCLED FIBERS]

T207H / T207F

Support: 25% polyester and 75% cotton, seamless knitted. Gauge: 7.
Wrist: elastic knit with piping. Uncoated. Colour: grey.



30x10 Men: T207H
Women: T207F





[FLEXIBLE AND RESISTANT] [DEXTERITY IMPROVED]

MC6222

Palm: 65% polyamide and 35% polyurethane.

Back: 97% polyester and 3% elastane.

Wrist: 100% polyester with self grip fastening.

Fingertips: 100% PVC. Reinforcement patch: PVC, stitched on palm and between thumb and forefinger. Colour: black, grey and red.



1.1.1.1.X



SINGER



[FLEXIBLE AND RESISTANT]

MC6021

Palm: 65% polyamide and 35% polyurethane.

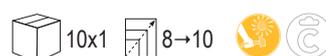
Back: 97% polyester and 3% elastane.

Wrist: 100% polyester with self grip fastening.

Fingertips: 100% PVC. Reinforcement patch: PVC, stitched on palm and between thumb and forefinger. Colour: black and yellow.



1.1.1.1.X



SINGER



SINGER®

Leather
gloves



[WATER-REPELLENT.]

50GHB

Palm: cow grain leather, water-repellent.
 Back: cow grain leather, water-repellent. Gunn cut pattern.
 Wing thumb. Middle and ring fingers sewn separately.
 Shirred elastic back. Colour: beige.



2.1.2.1.X



SINGER®



[WATER-REPELLENT.]

50GHBBC

Palm: cow grain leather, water-repellent.
 Back: cow grain leather, water-repellent. Gunn cut pattern.
 Wing thumb. Middle and ring fingers sewn separately.
 Wrist: elastic knit with vein patch protection. Colour: beige.



2.1.2.1.X



SINGER®



[WATER-REPELLENT.] [SOFTNESS AND RESISTANCE.]

CHV114HB

Palm: goat grain leather, water-repellent.
 Back: goat grain leather, water-repellent. Gunn cut pattern.
 Wing thumb. Middle and ring fingers sewn separately.
 Wrist: elastic knit with vein patch protection. Colour: beige.



2.0.2.1.X



SINGER®



[VERY SOFT]

50GB

Palm: cow grain leather. Back: cow grain leather.
Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately.
Shirred elastic back. Colour: beige.



2.1.1.1.X



SINGER



[VERY SOFT]

50GBBC

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



2.1.1.1.X



SINGER



50EFBBC

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



2.1.1.1.X



Prosur



**56GY**

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



2.1.1.1.X



10x10



8→11

**SINGER** **56GN**

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



2.1.2.1.X



10x10



8→11

**SINGER** 

**AVAILABLE IN
VERY LARGE SIZES**

50F

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



2.1.2.1.X



10x10



8→14

**PROSUP**



56GSN

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



2.1.2.1.X



SINGER



50FC

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



2.1.2.1.X



Prosur



56S

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



2.1.2.2.X



SINGER





Thinsulate® lining

**50GHNTH**

Palm: cow grain leather, water-repellent. Back: cow grain leather, water-repellent. Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately. Lining: Thinsulate® (3M brand). Shirred elastic back. Wrist: with piping. Colour: black.



2.1.2.1.X



X.2.0





FJORD

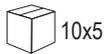
Palm: cow grain leather. Back: cow grain leather. Gunn cut pattern.
 Wing thumb. One piece forefinger. Middle and ring fingers sewn separately.
 Lining: acrylic tery, turned over on the wrist.
 Shirred elastic back. Colour: yellow.



2.1.2.3.X



2.2.X



10x5



9→11



SINGER



56GYPA

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



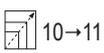
2.1.1.1.X



X.1.0



10x5



10→11



SINGER



56GYP

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



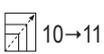
2.1.1.1.X



X.1.0



10x5



10→11



SINGER





**[FINENESS AND
ERGONOMICS]**

AGN102

Palm: sheep grain leather. Back: sheep grain leather. "Fourchette" pattern. Thumb sewn separately. Shirred elastic back. Colour: natural grey.



SINGER



AGN105

Palm: sheep grain leather. Back: cotton (interlock). "Fourchette" pattern. Thumb sewn separately. Shirred elastic back. Colour: natural grey.



SINGER

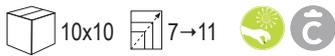
**SOFTNESS
AND RESISTANCE**

CHV114

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



2.0.2.1.X



SINGER

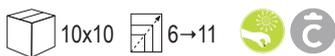


CHV56IR

Palm: goat grain leather. Back: cotton (interlock), with leather fingertips.
Gunn cut pattern. Wing thumb. One piece forefinger.
Middle and ring fingers sewn separately.
Shirred elastic back. Colour: natural grey and red.



1.0.1.1.X



SINGER



CHV56IB

Palm: goat grain leather. Back: cotton (interlock), with leather fingertips.
Gunn cut pattern. Wing thumb. One piece forefinger.
Middle and ring fingers sewn separately.
Shirred elastic back. Colour: natural grey and blue.



1.0.1.1.X



Prosur



**501N**

Palm: cow grain leather, cotton lined.

Back: cotton (canvas), with leather fingertips and knuckle patch reinforcement. Gunn cut pattern. Wing thumb. One piece forefinger.

Middle and ring fingers sewn separately. Shirred elastic back.

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



2.1.2.1.X



5x10



10

**SINGER** **501S**

Palm: cow split leather, cotton lined.

Back: cotton (canvas), with leather fingertips and knuckle patch reinforcement. Gunn cut pattern. Wing thumb. One piece forefinger.

Middle and ring fingers sewn separately. Shirred elastic back.

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



3.1.2.2.X



5x10



10

**SINGER** **501ORD**

Palm: cow split leather, cotton lined.

Back: cotton (canvas), with leather fingertips and knuckle patch reinforcement. Gunn cut pattern. Wing thumb. One piece forefinger.

Middle and ring fingers sewn separately. Shirred elastic back.

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



2.1.1.1.X



5x10



10

**PROSUP**

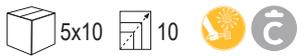


501SGRSVJ

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



3.1.2.2.X



SINGER



501SRS

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



3.1.2.2.X



SINGER



501SYRGY

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



3.1.2.2.X



SINGER





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



**ELECTRICAL
OVER-GLOVE**

50ELEC

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



2.1.2.1.X



5x10



9→11



SINGER

**51GS15**

Palm: cow grain leather. Back: cow split leather.
Gunn cut pattern. Wing thumb. One piece forefinger.
Middle and ring fingers sewn separately.
Cuff: cow split leather, 15 cm. Colour: natural grey.



2.1.2.1.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



10

**SINGER** **51GS20**

Palm: cow grain leather. Back: cow split leather.
Gunn cut pattern. Wing thumb. One piece forefinger.
Middle and ring fingers sewn separately.
Cuff: cow split leather, 20 cm. Colour: natural grey.



2.1.2.1.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



10

**SINGER** 

**51G15**

Palm: cow grain leather. Back: cow grain leather. Gunn cut pattern. Wing thumb.
One piece forefinger. Middle and ring fingers sewn separately.
Cuff: cow split leather, 15 cm. Colour: natural grey.



2.1.2.1.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



10

**SINGER** **51EFC15**

Palm: cow grain leather. Back: cow split leather. Gunn cut pattern. Wing thumb.
One piece forefinger. Middle and ring fingers sewn separately.
Cuff: cow split leather, 15 cm. Colour: natural grey.



2.1.2.1.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



10

**Prosur** **51S15**

Palm: cow split leather. Back: cow split leather. Gunn cut pattern. Wing thumb.
One piece forefinger. Middle and ring fingers sewn separately.
Cuff: cow split leather, 15 cm. Colour: natural grey.



3.1.2.2.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



10

**SINGER** **51EC15**

Palm: cow split leather. Back: cow split leather. Gunn cut pattern. Wing thumb.
One piece forefinger. Middle and ring fingers sewn separately.
Cuff: cow split leather, 15 cm. Colour: natural grey.



2.1.2.1.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



10

**Prosur**



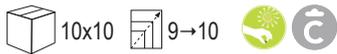
SOFTNESS AND ERGONOMICS

AGN106

Palm: sheep grain leather. Back: sheep grain leather.
 "Fourchette" pattern. Thumb sewn separately.
 Cuff: sheep split leather, 14 cm. Colour: natural grey.



2.0.1.1.X



SINGER



SOFTNESS AND ERGONOMICS

CHV106

Palm: goat grain leather. Back: goat grain leather.
 "Fourchette" pattern. Thumb sewn separately.
 Cuff: goat split leather, 14 cm. Colour: natural grey.



2.0.2.1.X



SINGER





Lining with cotton fleece and canvas



**SEWN WITH
ARAMID YARN**

51WELD

Palm: cow split leather, with reinforcement (palm/forefinger). Back: cow split leather. "Fourchette" pattern. Thumb sewn separately.
Cuff: cow split leather, 14,5 cm (size 10). Lining: cotton fleece (palm and back) and canvas (cuff). Shirred elastic wrist. Colour: brown.



4.2.3.4.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10



9→10



SEWN WITH ARAMID YARN

50SIVAP15

Palm: cow split leather, fire retardant treatment.
 Back: cow split leather, untreated, covered with aluminized fabric. Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately. Cuff: cow split leather, 14,5 cm (size 10).
 Lining: cotton fleece (palm and back) and canvas (cuff).
 Colour: orange and silver.



4.1.3.3.X



4.1.2.2.4.X

EN 12477 TYPE A



5x10



9→10



SINGER



SEWN WITH ARAMID YARN

51SIP15

Palm: cow split leather, fire resistant treatment.
 Back: cow split leather, fire resistant treatment.
 Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately. Cuff: cow split leather, 15 cm.
 Lining: cotton fleece. Colour: orange and grey.



3.1.2.2.X



4.1.3.X.4.X

EN 12477 TYPE A



5x10

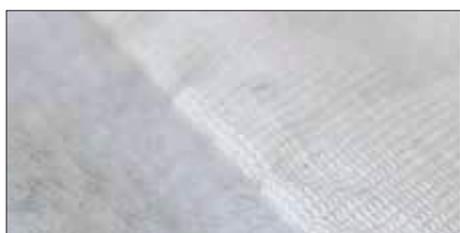


9→10



SINGER





Lining with cotton fleece and canvas



**SEWN WITH
ARAMID YARN**

51SOUD

Palm: cow split leather, with reinforcement (palm/thumb/forefinger). Back: cow split leather. Gunn cut pattern. Wing thumb. Middle and ring fingers sewn separately. Cuff: cow split leather, 14 cm. Lining: cotton fleece (palm and back) and canvas (cuff). Colour: brown.



4.1.1.2.X



3.1.3.X.4.X

EN 12477 TYPE A



5x10



10



SINGER 

**SEWN WITH
ARAMID YARN**

51SIREP15KV

Palm: cow split leather. Back: cow split leather.
Gunn cut pattern. Wing thumb.
Middle and ring fingers sewn separately.
Cuff: cow split leather, 14 cm.
Lining: cotton fleece (palm and back)
and canvas (cuff). Colour: red.



3.1.3.3.X



4.1.3.X.4.X

EN 12477 TYPE A



SINGER



**SEWN WITH
POLYESTER YARN**

51SIREP15

Palm: cow split leather. Back: cow split leather.
Gunn cut pattern. Wing thumb.
Middle and ring fingers sewn separately.
Cuff: cow split leather, 14 cm.
Lining: cotton fleece (palm and back)
and canvas (cuff). Colour: red.



3.1.3.3.X



4.1.3.X.4.X

EN 12477 TYPE A



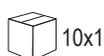
SINGER





PYROMTE

Material: 98% cotton and 2% carbon, 350 gsm, fire retardant.
 Length: 40 cm. Adjustment at elbow with hook-and-loops flap.
 Elastic band at wrist. Colour: blue. Sold by pair.



SINGER



PHDMTE45

Material: high density polyethylene, polyamide, fiberglass and elastane.
 Length: 45 cm. Elastic band at elbow and wrist.
 Thumb opening. Ambidextrous. Colour: grey. Sold by piece.



3.X.4.X.C



SINGER

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



SODAM

Material: cow split leather, sewn with aramid yarn.
 Thickness: 1,4 mm (± 0,1). Length: 40 cm (± 2 cm).
 Elastic band at elbow and wrist. Colour: natural grey. Sold by pair.



Prosur



TKVMTE46

Material: 100% Kevlar®, double thickness.
 Length: 46 cm. Thumb opening. Ambidextrous.
 Colour: yellow. Sold by piece.



1.3.4.3.C



X.1.X.X.X.X



SINGER



COTMTE40

Material: 100% cotton, non-permanent flame retardant. Length: 40 cm.
 Elastic band at elbow. Elastic knitted wrist.
 Colour: natural. Sold by pair.



SINGER



BCLMTE35

Material: 100% cotton (terry). Length: 35 cm.
 Elastic band with button at elbow. Elastic knitted wrist.
 Colour: natural. Sold by pair.



2.1.4.1.X



X.1.X.X.X.X

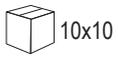


SINGER



MANBLEU

Material: 100% cotton (not fire resistant). Length: 40 cm.
Adjustment at elbow with hook-and-loops flap.
Elastic band at wrist. Colour: blue. Sold by pair.



PVCMTEVER

Material: PVC. Length: 40 cm.
Elastic band at elbow. Elastic knitted wrist.
Colour: green. Sold by pair.



MTEPUV

Material: polyurethane and PVC. Taped seams. Length: 53 cm.
Adjustment at elbow with hook-and-loops flap.
Elastic band at wrist. Colour: green. Sold by pair.



PINCEGANTS

Gloves fastener.
This small clip is attached on the loop of the pants or the jacket, the big clip catches the gloves.



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

STANDARDS

EN ISO 21420	Protective gloves: general requirements and test methods.
EN 388	Protective gloves: against mechanical risks.
EN 374-1	Protective gloves: against dangerous chemicals and micro-organisms - terminology and performance requirements.
EN 374-2	Protective gloves: against dangerous chemicals and micro-organisms - penetration resistance.
EN 16523-1	Protective gloves: material resistance to permeation by chemicals.
EN 374-4	Protective gloves: degradation resistance by chemicals.
EN 374-5	Protective gloves: against micro-organisms (according to EN 374-2: 2014).
EN 407	Protective gloves: against thermal risks (heat and/or fire).
EN 12477+ A1	Protective gloves: for welders.
EN 381-7	Protective gloves: against hand-held chain saws.
EN 511	Protective gloves: against cold.
EN 16350	Protective gloves: electrostatic properties.
EN ISO 10819	Protective gloves: vibrations and mechanical shocks.
EN 60903	Protective gloves: for electrical works.

EN ISO 21420 - PROTECTIVE GLOVES

General requirements and test methods.
This standard specifies the essential requirements for ergonomics, safety, marking, information and instructions for use.

EN 388 - AGAINST MECHANICAL RISKS

 1.2.3.4.F.P	1	Abrasion resistance. Level 1 to 4 (4 being the best).
	2	Blade cut resistance. Level 1 to 5 (5 being the best).
	3	Tear resistance. Level 1 to 4 (4 being the best).
	4	Puncture resistance. Level 1 to 4 (4 being the best).
	F	Cut resistance (ISO13997) Level A to F (F being the best).
	P	Resistance against impact (according to EN 13594) Marking P (optional test).
<p>For gloves that contain materials which can get dulls to the blade, and additional compulsory test must be performed according to EN ISO 13997 test method (TDM 100 tester). This test may also be optional for gloves that do not dull the blade.</p>		

EN 511 - AGAINST THE COLD

 A.B.C	A	Convective cold. Level 0 to 4 (4 being the best).
	B	Contact cold. Level 0 to 4 (4 being the best).
	C	Waterproofness. Level 0 (No) or 1 (Yes).

EN 407 - AGAINST THERMAL RISKS (HEAT AND/OR FIRE)

Protection against fire:  A.B.C.D.E.F Protection against heat:  X.B*.C.D.E.F (*) Max: Level 2.	A	Burning behaviour. Level 1 to 4 (4 being the best).
	B	Contact heat (threshold time ≥ 15 s). Level 1 to 4 (4 being the best).
	C	Convective heat. Level 1 to 4 (4 being the best).
	D	Radiant heat. Level 1 to 4 (4 being the best).
	E	Small splashes of molten metal. Level 1 to 4 (4 being the best).
	F	Large splashes of molten metal. Level 1 to 4 (4 being the best).

EN 12477 + A1 - FOR WELDERS

Type A	More general welding and cutting operations
Type B	Higher dexterity for TIG welding

EN 374 - AGAINST CHEMICALS

	Type A	Breakthrough time \geq 30 min for at least 6 chemicals of the list (see below)
	Type B	Breakthrough time \geq 30 min for at least 3 chemicals of the list (see below)
	Type C	Breakthrough time \geq 10 min for at least 1 chemical of the list (see below)

A	Methanol	67-56-1	Primary alcohol
B	Acetone	67-64-1	Ketone
C	Acetonitrile	75-05-8	Nitrile composite
D	Dichloromethane	75-09-2	Chlorinated hydrocarbon
E	Carbone Disulphide	75-15-0	Organic compound containing Sulphur
F	Toluene	108-88-3	Aromatic hydrocarbon
G	Diethylamine	109-89-7	Amine
H	Tetrahydrofuranne	109-99-9	Heterocyclic Ether
I	Ethyl acetate	141-78-6	Ester
J	n-Heptane	142-82-5	Saturated Hydrocarbon
K	Sodium hydroxide 40%	1310-73-2	Inorganic base
L	Sulphuric acid 96%	7664-93-9	Inorganic mineral acid, oxidising
M	nitric acid (65% \pm 3) %	7697-37-2	Inorganic mineral acid
N	acetic acid (99% \pm 1) %	64-19-7	Organic acid
O	ammonia 25%	1336-21-6	Organic base
P	hydrogen peroxid 30%	7722-84-1	Peroxide
S	hydrofluoric acid 40%	7664-39-3	Inorganic mineral acid
T	formaldehyde 37%	50-00-0	Aldehyde

Class 1	Breakthrough time: > 10 minutes
Class 2	Breakthrough time: > 30 minutes
Class 3	Breakthrough time: > 60 minutes
Class 4	Breakthrough time: > 120 minutes
Class 5	Breakthrough time: > 240 minutes
Class 6	Breakthrough time: > 480 minutes

EN 374-5 - AGAINST MICRO-ORGANISMS

	Protection against bacteria and fungi
	VIRUS = with additional permeation test to virus (ISO16604)

EN 381-7 - AGAINST HAND-HELD CHAIN SAWS.

	Class 0	Resistance against a saw turning at 16 m/s
	Class 1	Resistance against a saw turning at 20 m/s
	Class 2	Resistance against a saw turning at 24 m/s
	Class 3	Resistance against a saw turning at 28 m/s
Model A or B depending on the specified protection area		

EN 16350 - ELECTROSTATIC PROPERTIES

	Each individual measurement shall satisfy: the vertical resistance requirement: $R_v < 1,0 \times 10^8 \Omega$. Test method according to EN 1149-2: 1997.
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EN 60903 - MAXIMAL TENSION OF USE

	AC	DC	Class
	750 V	500 V	00
	1 500 V	1 000 V	0
	11 250 V	7 500 V	1
	25 500 V	17 000 V	2
	39 750 V	26 500 V	3
54 000 V	36 000 V	4	

EN ISO 10819 - VIBRATION AND MECHANICAL SHOCKS

Hand-arm vibration. Measurement and evaluation of the vibration transmissibility from gloves to the palm of the hand.

ASTM F2878 - PUNCTURE RESISTANCE TO AN HYPODERMIC NEEDLE

	Level 1	Puncture resistance with a less or an equal force to 2 N.
	Level 2	Puncture resistance with a less or an equal force to 4 N.
	Level 3	Puncture resistance with a less or an equal force to 6 N.
	Level 4	Puncture resistance with a less or an equal force to 8 N.
	Level 5	Puncture resistance with a less or an equal force to 10 N.

«X» MEANS THAT THE GLOVE HAS NOT BEEN SUBMITTED TO THE TEST.

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

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

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

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

	Latex
	Neoprene
	Nitrile
	PVC

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

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

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







OEKO-TEX®
STANDARD 100

PALAMA

Parka. Outside material: 100% ripstop polyester coated with PVC.
Lining: taffeta polyester (sleeves) and polar fleece polyester (body), 230 gsm.
Padding: polyester (sleeves), 120 gsm. Taped seams.
Removable hood by press-studs with drawcords.
6 outer pockets and 2 inner pockets.
Zip fastening under self-grip flap with press-studs.
Wrists with self-grip tapes. Reflective piping. Zip access for printing.
Colour: black and navy blue.



10x1 S→3XL

SINGER®



OEKO-TEX®
STANDARD 100

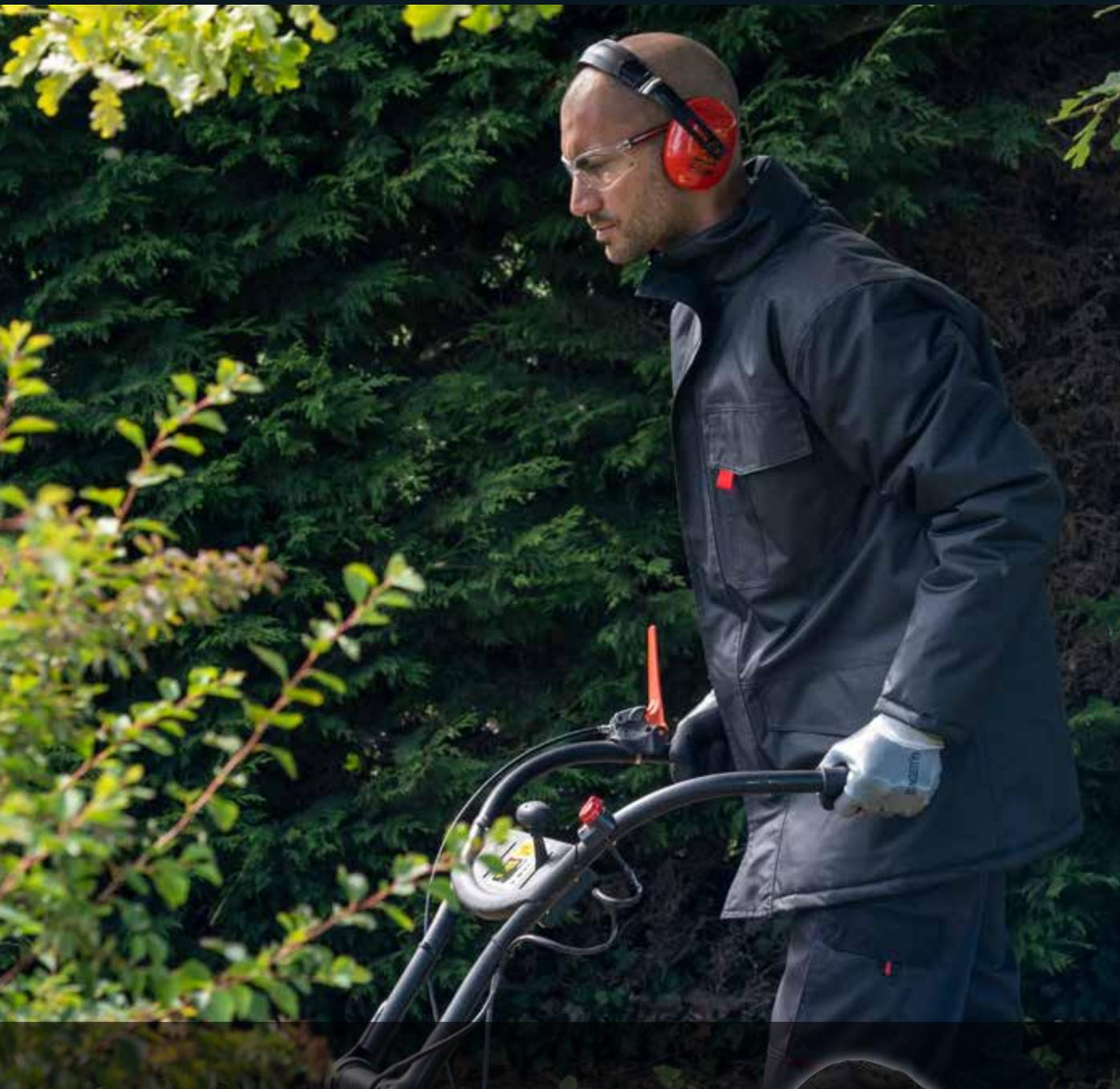
PALAWA

Parka. Outside material: 100% ripstop polyester coated with PVC.
Lining: taffeta polyester (sleeves) and polar fleece polyester (body), 230 gsm.
Padding: polyester (sleeves), 120 gsm. Taped seams.
Removable hood by press-studs with drawcords.
6 outer pockets and 2 inner pockets.
Zip fastening under self-grip flap with press-studs.
Wrists with self-grip tapes. Reflective piping. Zip access for printing.
Colour: black and charcoal grey.



10x1 S→3XL

SINGER®



PARPAL

Parka. Outside material: 100% polyester (Oxford) coated with PU.

Lining: taffeta polyester. Padding: polyester, 160 gsm.

Taped seams. Attached hood rolled into collar with drawcords.

4 outer pockets and 1 inner pocket.

Zip fastening under self-grip flap.

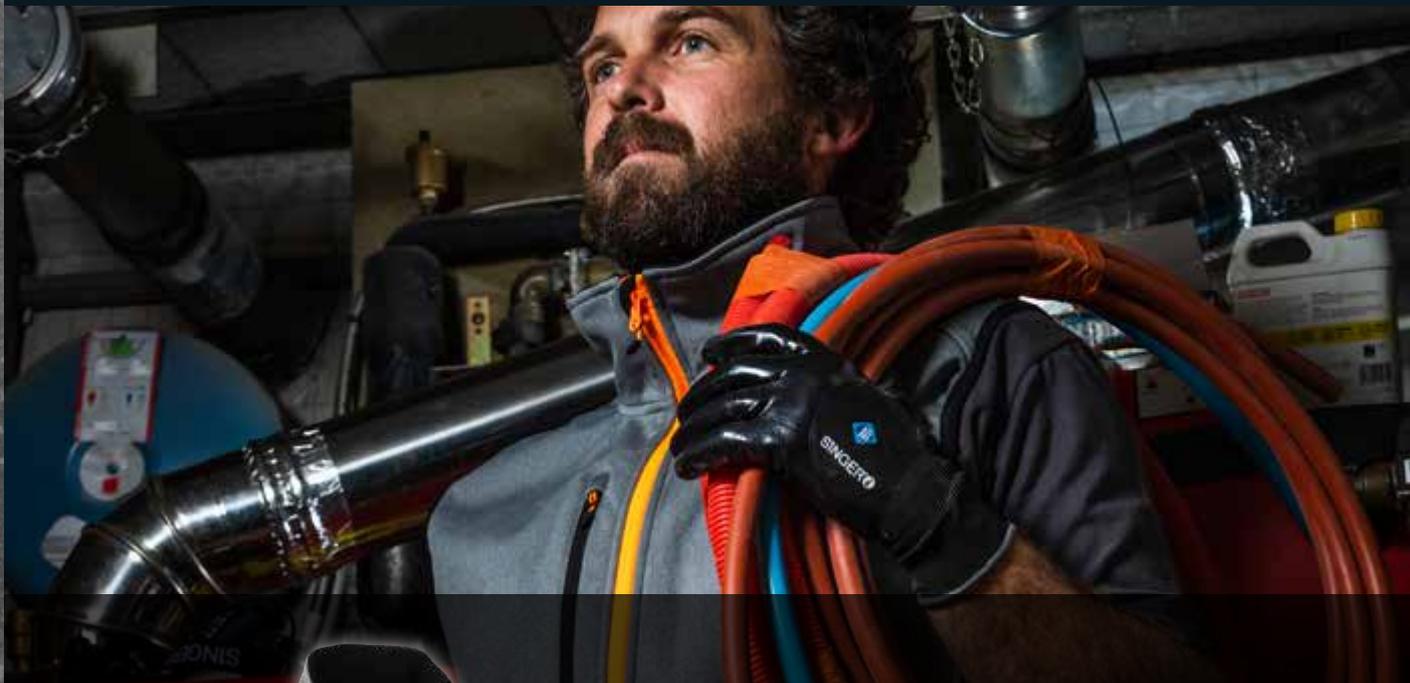
Zip access for printing. Colour: black.



10x1  S→3XL

Prosur





**TRIPLE LAYER
WITH TPU MEMBRANE**



GILGA

Softshell bodywarmer.

Outside material: 96% polyester and 4% elastane, 300 gsm.

Lining: polar fleece polyester. 3 outer pockets. Zip fastening.

Elasticated waist. Colour: black, grey and orange.



10x1 S→3XL

SINGER



**TRIPLE LAYER
WITH TPU MEMBRANE**



GILGAM

Softshell bodywarmer.

Outside material: 96% polyester and 4% elastane, 300 gsm.

Lining: polar fleece polyester. 3 outer pockets. Zip fastening.

Elasticated waist. Colour: black, navy blue and orange.



10x1 S→3XL

SINGER



**RIPSTOP & SOFTSHELL
BODYWARMERS**



GALWAY

Bodywarmer. Outside material: 100 % ripstop polyamide (grey part) / 96% polyester and 4% elastane (black part).
Lining: taffeta polyester (grey part) and polar fleece polyester (black part).
Padding: polyester (grey part), 220 gsm.
3 outer pockets and 1 inner pocket. Zip fastening. Waist with drawcords and stoppers. Colour: black, grey and orange.



10x1 S→3XL

SINGER



**RIPSTOP & SOFTSHELL
BODYWARMERS**



GALMER

Bodywarmer. Outside material: 100 % ripstop polyamide (blue part) / 96% polyester and 4% elastane (black part).
Lining: taffeta polyester (blue part) and polar fleece polyester (black part).
Padding: polyester (blue part), 220 gsm.
3 outer pockets and 1 inner pocket. Zip fastening. Waist with drawcords and stoppers. Colour: black, navy blue and orange.



10x1 S→3XL

SINGER



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

GASMA

Bodywarmer. Outside material: 100% ripstop polyester coated with PVC. Lining: polar fleece polyester, 230 g/m². Padding: polyester. 6 outer pockets and 2 inner pockets. Zip fastening. Reflective piping. Zip access for printing. Loins protection. Colour: black and navy blue.



10x1 S→3XL

SINGER



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

GASPAR

Bodywarmer. Outside material: 100% ripstop polyester coated with PVC. Lining: polar fleece polyester, 230 g/m². Padding: polyester. 6 outer pockets and 2 inner pockets. Zip fastening. Reflective piping. Zip access for printing. Loins protection. Colour: black and charcoal grey.



10x1 S→3XL

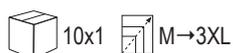
SINGER

GILSPORTN

Bodywarmer. Outside material: 65% polyester and 35% cotton. Lining: taffeta polyester.
 Padding: polyester, 260 gsm. 7 outer pockets and 1 inner pocket.
 Zip fastening under flap with press-studs. Loins protection. Colour: black.

**GILSPORTM**

Bodywarmer. Outside material: 65% polyester and 35% cotton. Lining: taffeta polyester.
 Padding: polyester, 260 gsm. 7 outer pockets and 1 inner pocket.
 Zip fastening under flap with press-studs. Loins protection. Colour: navy blue.

**GILALPA**

Bodywarmer. Outside material: 65% polyester and 35% cotton.
 Lining: taffeta polyester. Padding: polyester, 200 gsm. 3 outer pockets
 and 1 inner pocket. Zip fastening. Elasticated waist. Colour: navy blue.

**GILBLANC**

Bodywarmer. Outside material: 65% polyester and 35% cotton.
 Lining: taffeta polyester. Padding: polyester, 200 gsm.
 4 inner pockets. Zip fastening. Elasticated waist. Colour: white.





SHIRTNOIR

T-shirt. Material: 100% cotton, 180 gsm. Colour: black and orange.



 25x1  S/M - L/XL - 2XL/3XL

SINGER 



SHIRTGRIS

T-shirt. Material: 100% cotton, 180 gsm. Colour: grey and orange.



 25x1  S/M - L/XL - 2XL/3XL

SINGER 



SHIRTBLEU

T-shirt. Material: 100% cotton, 180 gsm. Colour: navy blue and orange.



 25x1  S/M - L/XL - 2XL/3XL

SINGER 



POLANDE

Sweater. First material: 100% polyester (polar fleece), 340 gsm.
 Second material: 94% polyester and 6% elastane (ripstop fabric), coated with TPU, 300 gsm.
 1 outer pocket. Stand-up collar with zipper, reversed. Waist with drawcords and stoppers.
 Knitted wrists. Retro-reflective lines. Colour: grey.



10x1 S→3XL

SINGER



SAMY

Sweat-shirt. Outside material: 100% polyester, 350 gsm.
 Lining: polar fleece polyester. Attached hood with drawcords. 2 outer pockets.
 Stand-up collar with zipper. Elasticated waist. Knitted wrists. Colour: black and orange.



10x1 S→3XL

SINGER



POLENO

Sweater. Outside material: 100% polyester (polar fleece), 150 gsm.
 Stand-up collar with zipper. Colour: black and orange.



10x1 S→3XL

SINGER





[WITH LINING]

OEKO-TEX®
CERTIFIED IN ACCORDANCE WITH
STANDARD 100

POLNOIR

Jacket. Material: 100% polar fleece polyester, 350 gsm. Lining: taffeta polyester. 2 outer pockets and 1 inner pocket. Zip fastening. Knitted wrists. Colour: black.



10x1 2XS→3XL

SINGER®



[WITH LINING]

OEKO-TEX®
CERTIFIED IN ACCORDANCE WITH
STANDARD 100

POLBLE

Jacket. Material: 100% polar fleece polyester, 350 gsm. Lining: taffeta polyester. 2 outer pockets and 1 inner pocket. Zip fastening. Knitted wrists. Colour: blue.



10x1 XS→3XL

SINGER®



[WITH LINING]

OEKO-TEX®
CERTIFIED IN ACCORDANCE WITH
STANDARD 100

POLNOR

Jacket. Material: 100% polar fleece polyester, 350 gsm. Lining: taffeta polyester. 2 outer pockets and 1 inner pocket. Zip fastening. Knitted wrists. Colour: grey.



10x1 S→3XL

SINGER®



[520 GSM]



POLAINE

Jacket. Material: 100% polar fleece polyester, 520 gsm.
3 outer pockets and 2 inner pockets. Zip fastening. Colour: black.



10x1 S→3XL



POLKANO.

Jacket. Material: 100% polar fleece polyester, 280 gsm. 2 outer pockets. Zip fastening.
Knitted wrists. Waist with drawcords and stoppers. Colour: black.



10x1 S→3XL



POLKA

Jacket. Material: 100% polar fleece polyester, 280 gsm. 2 outer pockets. Zip fastening.
Knitted wrists. Waist with drawcords and stoppers. Colour: blue.



10x1 S→3XL





VOLGAM

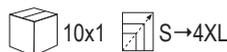
Softshell jacket.

Outside material: 96% polyester and 4% elastane, 300 gsm.

Lining: polar fleece polyester. Removable hood by zipper with drawcords.

3 outer pockets. Zip fastening. Elasticated waist. Knitted wrists.

Colour: black, navy blue and orange.



VOLGA

Softshell jacket.

Outside material: 96% polyester and 4% elastane, 300 gsm.

Lining: polar fleece polyester. Removable hood by zipper with drawcords.

3 outer pockets. Zip fastening. Elasticated waist. Knitted wrists.

Colour: black, grey and orange.





OUTSIDE MATERIAL REPELLENCY



VERNAM

Softshell jacket. Outside material: 96% polyester and 4% elastane.
Lining: polar fleece polyester. 3 outer pockets. Zip fastening.
Wrists with self-grip tapes. Waist with drawcords and stoppers.
Colour: blue and orange.



10x1 2XS→3XL

SINGER



OUTSIDE MATERIAL REPELLENCY



VERNON

Softshell jacket. Outside material: 96% polyester and 4% elastane.
Lining: polar fleece polyester. 3 outer pockets. Zip fastening.
Wrists with self-grip tapes. Waist with drawcords and stoppers.
Colour: black and red.



10x1 S→3XL

SINGER



TRIPLE LAYER WITH TPU MEMBRANE 30 GSM



VANGOG

Softshell jacket. Outside material: 94% polyester and 6% elastane, 125 gsm. Lining: polar fleece polyester, 165 gsm. Removable sleeves. 4 outer pockets and 3 inner pockets. Zip fastening. Waist with drawcords and stoppers. Wrists with self-grip tapes. Reflective piping. Colour: black and white.



10x1 S → 3XL

SINGER



TRIPLE SEAM



PLATRO

Work trousers. Material: 97% cotton and 3% elastane, 280 gsm. 8 outer pockets and 1 removable tooling pocket. Fly with zipper and button. Loops for belt. Self-grip belt. Reinforced knee pad pockets. Elasticated waist. Possibility to increase the length of the leg of 5 cm. Reflective piping. Colour: black and white.



10x1 S → 3XL

SINGER



**TRIPLE LAYER
WITH TPU MEMBRANE
30 GSM**



VANCOUVE

Softshell jacket. Outside material: 94% polyester and 6% elastane, 125 gsm. Lining: polar fleece polyester, 165 gsm. Removable sleeves. 4 outer pockets and 3 inner pockets. Zip fastening. Waist with drawcords and stoppers. Wrists with self-grip tapes. Reflective piping. Colour: black, grey and red.



10x1 S→4XL



TRIPLE SEAM



PARTO

Work trousers. Material: 97% cotton and 3% elastane, 300 gsm. 8 outer pockets and 2 removable tooling pockets. Fly with zipper and button. Loops for belt. Self-grip belt. Reinforced knee pad pockets. Elasticated waist. Badge holder. Possibility to increase the length of the leg of 5 cm. Reflective piping. Colour: black and grey.



10x1 S→3XL





OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

VEGAS

Work jacket. Material: 60% cotton and 40% polyester, 300 gsm.
6 outer pockets and 2 inner pockets.
Zip fastening under self-grip flap with press-studs.
Wrists with press-studs. Badge holder.
Reflective piping. Colour: grey and black.



10x1 S→3XL

SINGER

[**TRIPLE SEAM**]

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

PORTAC

Work trousers. Material: 60% cotton and 40% polyester, 300 gsm.
11 outer pockets and 2 removable tooling pockets.
Fly with zipper and button. Loops for belt.
Reinforced knee pad pockets. Loins protection. Elasticated waist.
Badge holder. Reflective piping. Colour: black.



10x1 S→3XL

SINGER



CORDURA
BRAND
NYCO
 F A B R I C



MILKO

Work trousers. Material: 98% cotton and 2% elastane / 100% Cordura® (flexion zones), 265 g/m².
 7 outer pockets. Fly with zipper and metal button. Loops for belt. Self-grip belt. Reinforced knee pad pockets (100% Cordura®).
 Loins protection. Elasticated waist. Badge holder.
 Flexible segmented retro-reflective lines. Colour: black.



10x1 S→3XL

SINGER



[TRIPLE SEAM]



PETRA

Ripstop work trousers. Material: 58% cotton, 39% polyester and 3% elastane, 280 gsm. 8 outer pockets. Fly with zipper and button. Loops for belt. Self-grip belt. Reinforced knee pad pockets. Elasticated waist. Possibility to increase the length of the leg of 5 cm. Flexible segmented retro-reflective lines. Colour: black and bronze.



10x1 S → 3XL

SINGER



[TRIPLE SEAM]



PETRO

Ripstop work trousers. Material: 58% cotton, 39% polyester and 3% elastane, 280 gsm. 8 outer pockets. Fly with zipper and button. Loops for belt. Self-grip belt. Reinforced knee pad pockets. Elasticated waist. Possibility to increase the length of the leg of 5 cm. Flexible segmented retro-reflective lines. Colour: black and grey.



10x1 S → 4XL

SINGER



TRIPLE SEAM [OEKO-TEX® STANDARD 100]

PITON

Work trousers. Material: 65% polyester and 35% cotton, 280 gsm.
 10 outer pockets. Fly with zipper and button.
 Loops for belt. Reinforced knee pad pockets.
 Loins protection. Badge holder. Colour: black.



LEVEL 1

TRIPLE SEAM [OEKO-TEX® STANDARD 100]

PRAGUO

Work trousers. Material: 65% polyester and 35% cotton, 245 gsm.
 Various outer pockets. Fly with zipper and button.
 Loops for belt. Knee pad pockets. Elasticated waist.
 Reflective piping. Colour: black, grey and orange.



LEVEL 2

10x1 S → 3XL

SINGER

10x1 XS → 3XL

SINGER



VILNOR

Work jacket. Material: 65% polyester and 35% cotton, 245 gsm.
Various outer pockets. Zip fastening under self-grip flap.
Wrists with self-grip tapes. Reflective piping.
Colour: black, grey and orange.



10x1 S→3XL

SINGER



SPLITO

Work bib pant. Material: 65% polyester and 35% cotton, 245 gsm.
Various outer pockets. Fly with zipper and button.
Knee pad pockets. Elasticated waist. Reflective piping.
Colour: grey, black and orange.



10x1 S→3XL

SINGER



OEKO-TEX®
STANDARD 100

GOIA

Work bodywarmer. Material: 65% polyester and 35% cotton, 245 gsm. Various outer pockets. Zip fastening. Reflective piping. Colour: black, grey and orange.



10x1 S→3XL

SINGER

OEKO-TEX®
STANDARD 100

BORO

Work short. Material: 65% polyester and 35% cotton, 245 gsm. 7 outer pockets. Fly with zipper and button. Loops for belt. Elasticated waist. Reflective piping. Colour: black, grey and orange.



10x1 S→3XL

SINGER



VILBLE

Work jacket. Material: 65% polyester and 35% cotton, 245 gsm.
Various outer pockets. Zip fastening under self-grip flap.
Wrists with self-grip tapes. Reflective piping.
Colour: black, orange and navy blue.



10x1 S→3XL

SINGER



PRAGBLE

Work trousers. Material: 65% polyester and 35% cotton, 245 gsm.
Various outer pockets. Fly with zipper and button. Loops for belt.
Knee pad pockets. Elasticated waist.
Reflective piping. Colour: black, orange and navy blue.



10x1 S→3XL

SINGER



ACCBADGE

Self-adhesive transparent badge holder 3M™ (105 x 70 mm).



BELT

Adjustable and robust belt.
Length 140 cm. Width: 4 cm.
100% polyester.
Brushed steel buckle.



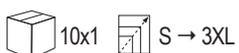
GENPRO

PVC anti-slip knee pad.
EVA Foam interior
and injected gel.



PRADON

Work trousers. Material: 65% polyester and 35% cotton, 245 gsm.
4 outer pockets. Fly with zipper and button. Loops for belt.
Knee pad pockets. Elasticated waist.
Colour: black, grey and red.



SINGER

KP2C240

Foam flexible knee pad.
Fasten with strap and buckle
(240 x 147 mm).





OEKO-TEX®
CERTIFIED IN ACCORD
STANDARD 100

VARY

Work jacket. Material: 100% cotton, 300 gsm.
6 outer pockets and 2 inner pockets. Button closing under flap.
Wrists with button. Colour: black and grey.



10x1 S → 3XL

SINGER

OEKO-TEX®
CERTIFIED IN ACCORD
STANDARD 100

PARY

Work trousers. Material: 100% cotton, 300 gsm.
6 outer pockets. Fly with zipper and button.
Loops for belt. Colour: black and grey.



10x1 S → 3XL

SINGER



OEKO-TEX®
STANDARD 100

OEKO-TEX®
STANDARD 100

VAR

Work jacket. Material: 100% cotton, 300 gsm.
6 outer pockets and 2 inner pockets. Button closing under flap.
Wrists with button. Colour: black and ink blue.

PAU

Work trousers. Material: 100% cotton, 300 gsm.
6 outer pockets. Fly with zipper and button.
Loops for belt. Colour: black and ink blue.



10x1 S → 3XL

SINGER

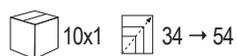
10x1 S → 3XL

SINGER



JEANS

Jeans, "Straight" cut. Material: 100% cotton denim (13 oz), 420 gsm. 5 outer pockets including 1 ticket pocket. Fly with zipper and button. Loops for belt. Colour: blue.



SINGER

JADAN

Jeans, "Stretch" cut. Material: 98% cotton and 2% elastane, 385 gsm. 5 outer pockets including 1 ticket pocket. Fly with zipper and button. Loops for belt. Colour: black.



SINGER



OEKO-TEX®
STANDARD 100

OEKO-TEX®
STANDARD 100

LAB

Work lab coat. Material: 100% cotton, 265 gsm.
3 outer pockets and 1 inner pocket.
Zip fastening with button. Color: white.



LABBLUE

Work lab coat. Material: 100% cotton, 300 gsm.
3 outer pockets and 1 inner pocket.
Zip fastening with button. Color: ink blue.



10x1 2XS→3XL

SINGER

10x1 XS→3XL

SINGER



OEKO-TEX®
STANDARD 100

CAEN

Work coverall. Material: 100% cotton, 300 gsm.
6 outer pockets. Zip fastening (Two ways) under self-grip flap.
Elasticated waist. Colour: black and ink blue.



10x1 S → 3XL

SINGER



OEKO-TEX®
STANDARD 100

CORDOUO

Work coverall. Material: 65% polyester and 35% cotton, 245 gsm.
Various outer pockets. Zip fastening (Two ways) under self-grip flap.
Knee pad pockets. Elasticated waist. Wrists with self-grip tapes.
Reflective piping. Colour: black, grey and orange.



Type 2
LEVEL 1

10x1 S → 3XL

SINGER



CAIRE

Work coverall. Material: 65% polyester and 35% cotton, 245 gsm. Various outer pockets. Double zip fastening. Elasticated waist. Wrists with self-grip tapes. Reflective piping. Colour: black, grey and orange.



10x1 S → 3XL

SINGER

COMBIAGRI

Work coverall. Material: 65% polyester and 35% cotton, 245 gsm. 7 outer pockets. Double zip fastening. Elasticated waist. Colour: green and white.



10x1 S → 3XL

Prosup





VADONG

Jacket: fire retardant.
 Material: 99% cotton and 1% carbon, 350 gsm.
 4 outer pockets. Zip fastening under self-grip flap.
 Wrists with self-grip tapes. Colour: grey and orange.



Type PB [6]



APC 1



Class 1 A1+A2



Class A1+A2,
B1, C1, E3, F1



PADONG

Trousers: fire retardant.
 Material: 99% cotton and 1% carbon, 350 gsm.
 4 outer pockets. Fly with zipper and button. Loops for belt.
 Elasticated waist. Colour: grey and orange.



Type PB [6]



APC 1



Class 1 A1+A2



Class A1+A2,
B1, C1, E3, F1



10x1 S→3XL

SINGER

10x1 S→3XL

SINGER



WARM LINING

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

GILFLAM

Fire retardant protective bodywarmer.
Outside material: 98% cotton and 2% carbon, 350 gsm.
Lining: polyester (fire retardant), 155 gsm.
Padding: polyester (fire retardant), 200 gsm.
4 outer pockets. Zip fastening under self-grip flap.
Zip access for printing. Colour: blue.



Class 1
A1 + A2



Class
A1 A2 B1 C1



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

COSTA

Fire retardant protective coverall.
Material: 98% cotton and 2% carbon, 350 gsm. 5 outer pockets.
Zip fastening (Two ways) under self-grip flap. Elasticated waist.
Wrists with self-grip tapes. Colour: blue.



Class 1 A1+A2



Class A1+A2,
B1, C1, E1



10x1 M→3XL

SINGER

10x1 S→3XL

SINGER

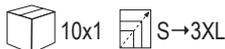


PYROCAG

Fire retardant protective hood. Material: 98% cotton and 2% carbon, 350 gsm. Adjustment with hook-and-loop flap. Original system of hook-and-loops straps on top of the hood. Colour: blue.



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



SINGER



VALPA

Fire retardant protective jacket. Material: 98% cotton and 2% carbon, 350 gsm. 4 outer pockets. Zip fastening under self-grip flap. Wrists with self-grip tapes. Colour: blue.



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



SINGER

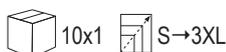


PYROMTE

Fire retardant protective sleeves. Material: 98% cotton and 2% carbon, 350 gsm. Length: 40 cm. Elastic under hem at wrist. Adjustment at elbow with hook-and-loops flap. Colour: blue.



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



SINGER

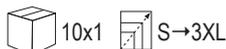


PISA

Fire retardant protective trousers. Material: 98% cotton and 2% carbon, 350 gsm. 4 outer pockets. Fly with zipper and button. Loops for belt. Elasticated waist. Colour: blue.



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



SINGER



VIDEO

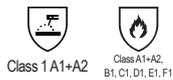


**OPENING FOR
DORSAL FALL ARREST
CONNECTION**



VEPSOUD

Welding jacket. Back in fire retardant fabric. Cow split leather, aramid yarn. Thickness: 1,4 mm (± 0,1).
Fastening with snaps under leather flap. 1 inner pocket.



5x1 S - L - 2XL



PANTASOUD

Welding bib pant.
Cow split leather, aramid yarn. Thickness: 1,4 mm (± 0,1).
1 outer pocket. Adjustable braces. Loops for belt.
Self grip fastening on each side at waist (Bottom of the leg).



Class 2A1+A2

Class A1+A2
B2, C1, D1, E1, F2

5x1 S - L - 2XL

SINGER



TABSOUD9070

Welding apron. 90 x 70 cm.
Cow split leather, aramid yarn. Thickness: 1,4 mm (± 0,1).
With bib. With leather strap and adjustable buckle.



Class 2A1+A2

Class A1+A2
B2, C1, D1, E1, F2

5x1

SINGER



GUETSOUD

Welding leggings. Height: 22 cm. Sold by pair.
Cow split leather, aramid yarn. Thickness: 1,4 mm (± 0,1).
Self-winding fastening.



Class 2A1+A2

Class A1+A2
B2, C1, D1, E1, F2

4x5

SINGER

**SOUDAT9070**

Welding apron. 90 x 70 cm. Cow split leather, aramid yarn.
Thickness: 1,4 mm ($\pm 0,1$). With bib.
With leather strap and adjustable buckle.



Class 1/2 A1



4x5

**SOUDAM**

Welding sleeves. Length: 40 cm (± 2 cm). Sold by pair.
Cow split leather, aramid yarn. Thickness: 1,4 mm ($\pm 0,1$).
Elasticated on both sides.



Class 1/2 A1



4x5

**SOUDAB** - Bolero.

Welding bolero. Cow split leather, aramid yarn.
Thickness: 1,4 mm ($\pm 0,1$). Fastening with press-studs under flap.
Adjustable on the bolero apron with press studs.

SOUDAT6060 - Bolero apron.

Welding apron. 60 x 60 cm. Cow split leather, aramid yarn.
Thickness: 1,4 mm ($\pm 0,1$). Fastening with straps and buckle.
Adjustable on the bolero with press studs.



Class 1/2 A1



5x1





SOUDAC

Welding hood. Cow split leather, aramid yarn.
 Thickness: 1,4 mm (± 0,1).
 Front opening with 3 press studs under leather flap.



Class 1/2 A1

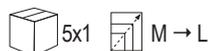


SOUDAP

Welding bib pant. Cow split leather, aramid yarn.
 Thickness: 1,4 mm (± 0,1). 1 outer pocket. Adjustable leather.
 Self grip fastening on each side at waist.



Class 1/2 A1



SOUDAVEP
(Back)

SOUDAV All split

SOUDAVEP Back in fire retardant fabric.

Welding jacket. Cow split leather, aramid yarn.
 Thickness: 1,4 mm (± 0,1). Fastening with snaps under leather flap.



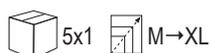
Class 1/2 A1



Class 1 A1

SOUDAV:

SOUDAVEP:



SOUDAG

Welding leggings. Height: 30 cm. Sold by pair.
 Cow split leather, aramid yarn. Thickness: 1,4 mm (± 0,1).
 Strap and buckle fastening on sole and self grip fastening on side.



Class 1/2 A1





VPLOCEAN Colour: yellow.

VPLRAINY Colour: navy blue.

VPLWINDY Colour: green.

Rainwear composed by two pieces.

Jacket. Material: 60% polyester, 25% PVC and 15% polyurethane.
Taped seams. Attached hood rolled into collar with drawcords.
2 outer pockets. Zip fastening under studded flap.
Waist with drawcords and stoppers. Elasticated wrists.

Trousers. Material: 60% polyester, 25% PVC and 15% polyurethane.
Taped seams. 2 hand passes. Fly with button. Elasticated waist.

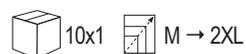


SINGER



COMBIPUV

Rain coverall. Material: 60% polyester, 25% PVC and 15% polyuréthane.
Taped seams. Attached hood rolled into collar with drawcords.
2 outer pockets. Double waterproof zip fastening
under studded flap. Elasticated wrists. Colour: green.



SINGER

VPLARMORJ Colour: yellow.

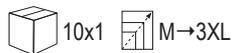
VPLARMORM Colour: navy blue.

VPLARMORV Colour: green.

Rainwear composed by two pieces.

Jacket. Material: 80% PVC and 20% polyester. Taped seams.
Attached hood rolled into collar with drawcords. 2 outer pockets.
Zip fastening under studded flap. Waist with drawcords and stoppers.
Wrists with press-studs.

Trousers. Outside material: 80% PVC and 20% polyester. Taped seams.
2 hand passes. Fly with button. Elasticated waist.

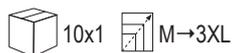


SINGER

VPLMANJ Colour: yellow.

VPLMANV Colour: green.

Raincoat.
Material: 80% PVC and 20% polyester. Taped seams.
Attached hood rolled into collar with drawcords. 2 outer pockets.
Zip fastening under studded flap. Wrists with press-studs.

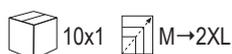


SINGER

VPLOSLOV Colour: green.

VPLOSLOM Colour: navy blue.

Rain coverall.
Material: 80% PVC and 20% polyester. Taped seams.
Attached hood rolled into collar with drawcords. 2 outer pockets
and 1 inner pocket. Double waterproof zip fastening under studded flap.
Wrists with press-studs.



SINGER



SAHO Long sleeves t-shirt **SABA** Long underpants **SIRAC** Neck cover **SAGA** Hood

Underwears. Sold separately. Material: 46 % Tencel™ Modal, 47 % cotton, 7 % elastane, 200 gsm.



10x1 SAHO / SABA: S/M, L/XL, 2XL/3XL SIRAC / SAGA: One size only

[VERY STRONG]

TAB1290PUB Colour: white

TAB1290PUV Colour: green

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



SINGER



TABPB1070 Colour: white 100 x 70 cm

TABPB1290 Colour: white 120 x 90 cm

TABPV1070 Colour: green 100 x 70 cm

TABPV1290 Colour: green 120 x 90 cm

Bib apron. PVC/polyester.



Prosur



TABCHB1070

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



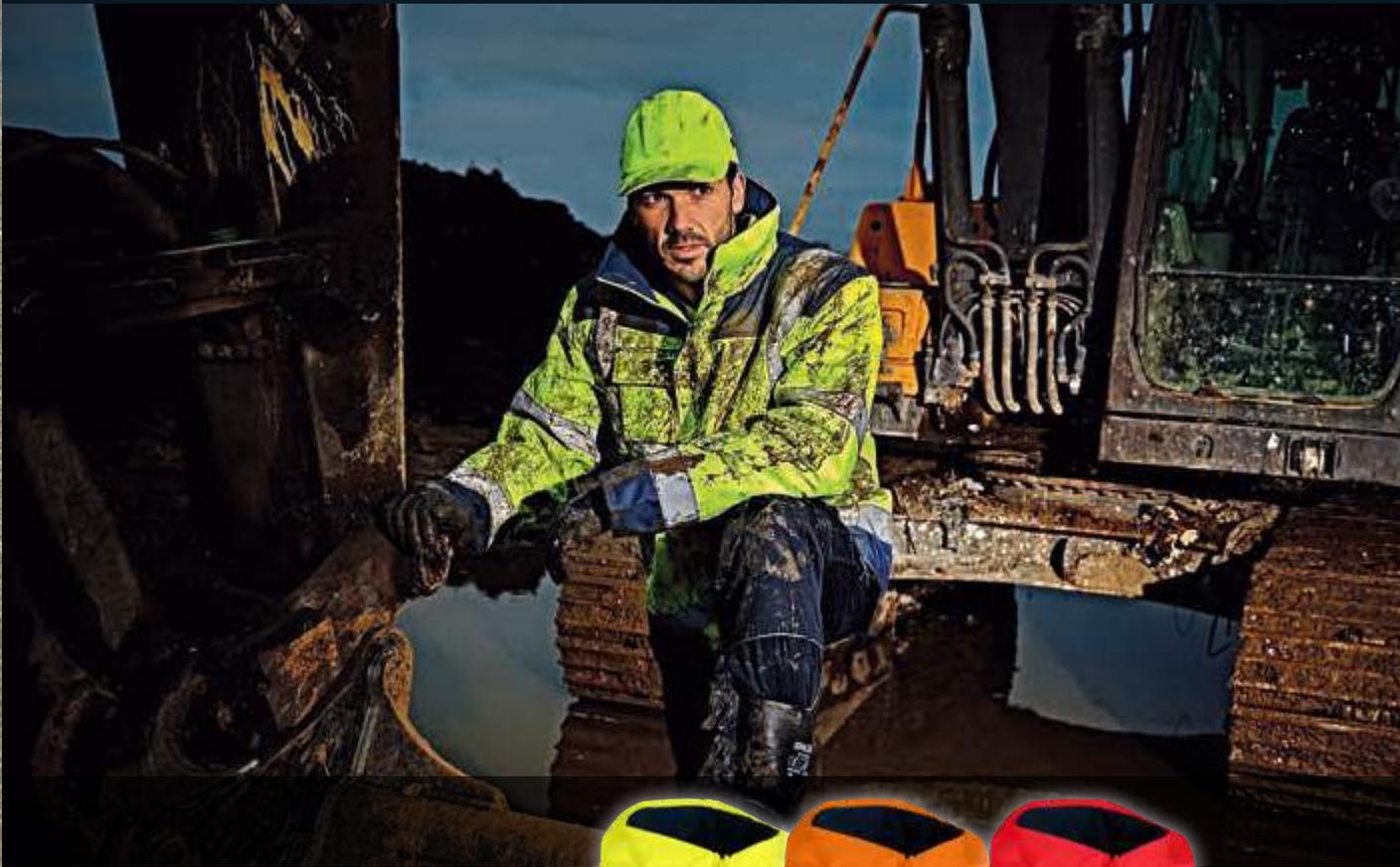
SINGER







High
visibility



PARINA Colour: yellow and navy blue. **PARINO** Colour: orange and navy blue. **PARIRO** Colour: red and black.

High visibility parka. Outside material: 100% polyester (Oxford 300D) coated with PU. Lining: taffeta polyester. Taped seams. Attached hood rolled into collar with drawcords. 3 outer pockets and 2 inner pockets. Zip fastening (Two ways) under self-grip flap. Badge holder. Retro-reflective tapes. Zip access for printing.

Removable high visibility inner jacket. Outside material: 100% polyester coated with PU. Lining: polar fleece polyester, 280 gsm. Taped seams. Detachable sleeves. 3 outer pockets and 1 inner pocket. Zip fastening. Knitted wrists. Retro-reflective tapes. Zip access for printing.



Parka



Bodywarmer
(with the sleeves)



Bodywarmer
(without the sleeves)

10x1  S→6XL (PARIRO: S→3XL)

SINGER 



PIAMA Colour: yellow and navy blue. **PIAMO** Colour: orange and navy blue.

High visibility parka. Outside material: 100% polyester (Oxford 300D) coated with PU. Lining: taffeta polyester. Taped seams. Attached hood rolled into collar with drawcords. 3 outer pockets and 2 inner pockets. Zip fastening (Two ways) under studded flap. Retro-reflective tapes. Zip access for printing.

Removable high visibility inner jacket. Outside material: polyester coated with PU (body) and polar fleece polyester (sleeves). Lining: polar fleece polyester, 280 gsm. Detachable sleeves. 3 outer pockets and 1 inner pocket. Zip fastening. Knitted wrists. Retro-reflective tapes. Zip access for printing.



Parka



Bodywarmer (with the sleeves)



Bodywarmer (without the sleeves)

10x1 S→4XL

SINGER

High visibility



**MULTIRISKS
PARKA**

OEKO-TEX®
CERTIFIED BY TESTEX
STANDARD 100

PANAMA Colour: yellow and navy blue. **PANAMO** Colour: orange and navy blue.

Multirisks high visibility parka. Outside material: 98% polyester and 2% carbon, 260 gsm. Lining: cotton, 170 gsm. Padding: polyester, 100 gsm. Taped seams. Attached hood rolled into collar with drawcords. 2 outer pockets and 1 inner pocket. Zip fastening (Two ways) under self-grip flap. Knitted wrists under the sleeves. Retro-reflective tapes. Zip access for printing.



Limited flame spread
EN ISO 14116: 2015
Index 1/5H/40

10x1 S→3XL

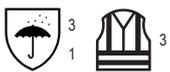
SINGER



PALERME Colour: yellow and navy blue.

PALOMA Colour: orange and navy blue.

High visibility parka. Outside material: 100% polyester (Oxford 300D) coated with PU. Lining: taffeta polyester. Padding: polyester, 180 gsm. Taped seams. Attached hood rolled into collar with drawcords. 2 outer pockets and 2 inner pockets. Zip fastening (Two ways) under studded flap. Knitted wrists. Retro-reflective tapes. Zip access for printing.



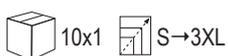
SINGER



PARDA Colour: yellow and navy blue.

PARDO Colour: orange and navy blue.

High visibility parka. Outside material: 100% polyester (Oxford 300D) coated with PU. Lining: taffeta polyester. Padding: polyester, 160 gsm. Taped seams. Attached hood rolled into collar with drawcords. 2 outer pockets and 2 inner pockets. Zip fastening (Two ways) under self-grip flap. Knitted wrists. Retro-reflective tapes. Zip access for printing.



SINGER



OEKO-TEX®
STANDARD 100

BLAVIA Colour: yellow and navy blue. **BLAVIO** Colour: orange and navy blue.

High visibility bomber jacket. Outside material: 100% polyester (Oxford 300D) coated with PU. Lining: polar fleece polyester, 280 gsm.

Taped seams. Attached hood rolled into collar with drawcords. 4 outer pockets and 1 inner pocket.

Zip fastening (Two ways) under self-grip and studded flap. Elasticated waist. Knitted wrists. Retro-reflective tapes. Zip access for printing.



10x1  S→3XL

SINGER 



OEKO-TEX®
STANDARD 100

VIENA Colour: yellow. **VIENO** Colour: orange.

High visibility bomber jacket. Outside material: 100% polyester (Oxford 300D) coated with PU. Lining: polar fleece polyester, 280 gsm. Taped seams. Attached hood rolled into collar with drawcords. Detachable sleeves. 3 outer pockets and 1 inner pocket under studded flap. Zip fastening under studded flap. Loins protection. Knitted wrists under the sleeves. Retro-reflective tapes. Zip access for printing.



10x1 S→3XL

SINGER

High
visibility



OEKO-TEX®
STANDARD 100

VEROME Colour: yellow. **VEROMO** Colour: orange.

High visibility bomber jacket. Outside material: polyester (Oxford 300D) coated with PU (body) and polar fleece polyester (sleeves).

Lining: polar fleece polyester, 280 gsm. Detachable sleeves. 3 outer pockets and 1 inner pocket.

Zip fastening. Loins protection. Knitted wrists. Retro-reflective tapes. Zip access for printing.



(with the sleeves)



(without the sleeves)



S→3XL

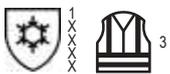
SINGER



OEKO-TEX®
STANDARD 100

POLGA Colour: yellow and navy blue. **POLGO** Colour: orange and navy blue.

High visibility jacket. Outside material: 100% polar fleece polyester, 300 gsm. Lining: taffeta polyester. 2 outer pockets. Zip fastening. Elasticated waist. Knitted wrists. Retro-reflective tapes.



10x1 S→3XL

SINGER

High
visibility



TRIPLE LAYER WITH TPU MEMBRANE



VILMA Colour: yellow and navy blue. **VILMO** Colour: orange and navy blue.

High visibility softshell jacket.

Outside material: 100% polyester, 350 gsm. Lining: polar fleece polyester. Removable hood by zipper with drawcords. Removable sleeves. 5 outer pockets and 2 inner pockets. Waterproof zip fastening. Knitted wrists under the sleeves. Retro-reflective tapes.



1000



8000



2 (with sleeves)



1 (without sleeves)

10x1 S→3XL



TRIPLE LAYER WITH TPU MEMBRANE



VULCA Colour: yellow and navy blue. **VULCO** Colour: orange and navy blue.

High visibility softshell jacket. Outside material: 100% polyester, 370 gsm. Lining: polar fleece polyester. 3 outer pockets and 1 inner pocket. Zip fastening. Waist with drawcords and stoppers. Wrists with self-grip tapes. Retro-reflective tapes.



10x1 S→3XL

SINGER

High visibility



SUITA Colour: yellow and navy blue. **SUITO** Colour: orange and navy blue.

High visibility jacket. Material: 100% polyester, 280 gsm.

Attached hood with drawcords. 3 outer pockets. Zip fastening. Elasticated waist. Knitted wrists. Retro-reflective tapes.





VILA Colour: yellow and navy blue.

VILO Colour: orange and navy blue.

High visibility rainwear, 2 pieces.

Jacket. Outside material: 100% polyester (Oxford 300D) coated with PU, 280 gsm. Lining: polyester mesh. Taped seams. Attached hood rolled into collar with drawcords. 3 outer pockets. Zip fastening under studded flap. Elasticated wrists with self-grip tapes. Retro-reflective tapes.

Trousers. Material: 100% polyester coated with PU, 280 gsm. Taped seams. 2 hand passes. Fly. Elasticated waist with drawcords and stoppers. Retro-reflective tapes.



SINGER



PIVA Colour: yellow and navy blue.

PIVO Colour: orange and navy blue.

High visibility bib pant. Material: 100% polyester (Oxford 300D) coated with PU. Taped seams. 2 hand passes. Fly with button. Elasticated waist. Retro-reflective tapes.



SINGER





OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

VITA Colour: yellow and navy blue.

VITO Colour: orange and navy blue.

High visibility work jacket. Material: 60% cotton and 40% polyester, 280 gsm. 5 outer pockets and 2 inner pockets. Zip fastening. Wrists with self-grip tapes. Retro-reflective tapes.



10x1 S→3XL

SINGER

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

PILA Colour: yellow and navy blue.

PILO Colour: orange and navy blue.

High visibility work trousers. Material: 60% cotton and 40% polyester, 280 gsm. 7 outer pockets. Fly with zipper and button. Loops for belt. Knee pad pockets. Elasticated waist. Reflective piping and retro-reflective tapes.



10x1 S→3XL

SINGER



VARNA Colour: yellow and navy blue.

VARNO Colour: orange and navy blue.

High visibility work jacket. Material: 65% polyester and 35% cotton, 245 gsm. 4 outer pockets. Zip fastening under self-grip flap. Wrists with self-grip tapes. Retro-reflective tapes.



10x1 S→3XL

SINGER



PUNA Colour: yellow and navy blue.

PUNO Colour: orange and navy blue.

High visibility work trousers. Material: 65% polyester and 35% cotton, 245 gsm. 3 outer pockets. Fly with zipper and button. Loops for belt. Knee pad pockets. Elasticated waist. Retro-reflective tapes.



10x1 S→3XL

SINGER



OEKO-TEX®
STANDARD 100

SULFA

High visibility tee shirt. Fire retardant. Long sleeves. Material: 60% modacrylic, 38% cotton and 2% carbon, 195 gsm. Knitted wrists. Flexible segmented retro-reflective tapes. Colour: yellow and navy blue.



APC 1

A1, B1, C1, F1

20x1 S→3XL

SINGER

SEGMENTED TAPES



SUVA Colour: yellow and navy blue.

SUVO Colour: orange and navy blue.

High visibility tee shirt. Long sleeves. Ventilation under the arms.
Material: 55% cotton and 45% polyester, 170 gsm.
Bird eyes fabric. Inner cotton surface. Knitted wrists.
Flexible segmented retro-reflective tapes.



25x1 S→3XL

SINGER

SEGMENTED TAPES



SUCA Colour: yellow and navy blue.

SUCO Colour: orange and navy blue.

High visibility tee shirt.
Material: 45% polyester and 55% cotton, 170 gsm. Bird eyes fabric.
Inner cotton surface. Flexible segmented retro-reflective tapes.



25x1 S→3XL

SINGER

SEGMENTED TAPES



POLMA Colour: yellow and navy blue.

POLMO Colour: orange and navy blue.

High visibility polo. Material: 55% cotton and 45% polyester, 170 gsm.
Bird eyes fabric. Inner cotton surface.
Flexible segmented retro-reflective tapes.



25x1 S→3XL

SINGER



[FLEXIBLE TAPES]

OEKO-TEX®
COMMITMENT TO SAFETY
STANDARD 100

PUNTA Colour: yellow and navy blue.

PUNTO Coloris: orange et bleu marine.

High visibility polo. Long sleeves. Material: 100% polyester, 150 gsm.
Bird eyes fabric. Flexible retro-reflective tapes.



25x1   S→3XL

SINGER 



[FLEXIBLE TAPES]

OEKO-TEX®
COMMITMENT TO SAFETY
STANDARD 100

PAULA Colour: yellow and navy blue.

PAULO Colour: orange and navy blue.

High visibility polo. Material: 100% polyester, 150 gsm.
Bird eyes fabric. Flexible retro-reflective tapes.



25x1   S→3XL

SINGER 



OEKO-TEX®
COMMITMENT TO SAFETY
STANDARD 100

SUZE Colour: yellow and navy blue.

SUZO Colour: orange and navy blue.

High visibility tee shirt. Material: 100% polyester, 150 gsm.
Bird eyes fabric. Retro-reflective tapes.



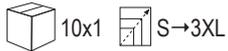
25x1   S→3XL

SINGER 



GANA Colour: yellow. **GANO** Colour: orange.

High visibility bodywarmer. Outside material: 100% polyester (Oxford 300D) coated with PU. Lining: polar fleece polyester, 260 gsm. 3 outer pockets and 1 inner pocket. Zip fastening. Retro-reflective tapes. Zip access for printing.

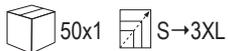


SINGER



GARA Colour: yellow. **GARO** Colour: orange.

High visibility bodywarmer. Material: 100% polyester, 120 gsm. 3 outer pockets. Zip fastening. Badge holder. Retro-reflective tapes.

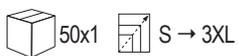


SINGER



HARRIGARA

High visibility bodywarmer. Outside material: 100% polyester, 120 gsm. 3 outer pockets. Zip fastening (Two ways). Badge holder. Retro-reflective tapes. Colour: yellow.



SINGER



VPLGILJ Colour: yellow. **VPLGILO** Colour: orange.

High visibility bodywarmer. Material: 100% polyester, 120 gsm. Self-grip fastening. Retro-reflective tapes.



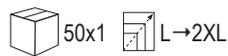
SINGER





GILAIR Colour: yellow. **GILAIRO** Colour: orange.

High visibility bodywarmer. Material: 100% polyester, 120 gsm.
Ventilated upper part. Badge holder. Retro-reflective tapes.

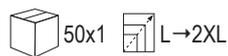


SINGER



GILA Colour: yellow. **GILO** Colour: orange.

High visibility bodywarmer.
Material: 100% polyester, 120 gsm. Retro-reflective tapes.



SINGER



GILBLE Colour: navy blue. **GILVER** Colour: green.

Bodywarmer. Material: 100% polyester, 120 gsm.
Retro-reflective tapes.



SINGER



BRASSJ Colour: yellow.

BRASSO Colour: orange.

High visibility polyester armband PU coated. Height: 90 mm.
3M™ retro-reflective tape in 30 mm height. Self-grip fastening.

EN 13356



SINGER



SGNCONE

Red and white roadsign cone in polyethylene. Height: 50 cm.



ACCBADGE

Self-adhesive transparent badge holder 3M™ 105x70mm.



BALPL1

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



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STANDARDS

EN ISO 13688	Protective clothing: general requirements.
EN ISO 11611	Protective clothing: welding and allied processes.
EN ISO 11612	Protective clothing: against heat and flame.
EN 342	Protective clothing: against cold (< -5°C).
EN 14058	Protective clothing: against cool environments (> -5°C).
EN 343	Protective clothing: against bad weather.
EN ISO 20471	Protective clothing: high visibility.
EN 943 / EN 14605 / EN ISO 13982 / EN 13034	Protective clothing: against chemicals.
EN 14126	Protective clothing: against infective agents.
EN 1073-2	Protective clothing: against radioactive contamination.
EN 1149-5	Protective clothing: electrostatic properties.
EN ISO 14116	Protective clothing: against the flames, limited flame spread.
EN 14404	Knee protection: for work on knees.
EN 61482-1-2	Protective clothing: against the thermal hazards of an electric arc.

EN 14058 - AGAINST COOL ENVIRONMENTS

	A	Thermal resistance. Class 1 to 4 (4 being the best).
	B	Air permeability. Class 1 to 3 (3 being the best).
	C	Resulting thermal insulation. Optional test.
	D	Resistance to water penetration. Optional test.

EN ISO 20471 - HIGH VISIBILITY

	Class 1	Background material: > 0,14 m ² Retro-reflective material: > 0,10 m ² Combined performance material: > 0,20 m ²
	Class 2	Background material: > 0,50 m ² Retro-reflective material: > 0,13 m ² Combined performance material: - m ²
	Class 3	Background material: > 0,80 m ² Retro-reflective material: > 0,20 m ² Combined performance material: - m ²

The coefficient of retro-reflection of the retro-reflective material must be class 2 to comply with EN ISO 20471 (class 1 of previous EN 471 standard has been cancelled).

«X» indicates the class of the garment according to the compulsory minimum area..

EN 343 - AGAINST BAD WEATHER

	Class 1 to 4	Resistance to water penetration (class 4 being the best).
	Class 1 to 4	Evaporative resistance (class 4 being the best).
	Class R	Controlled under a rain simulator (optional).



EN ISO 14116 - LIMITED FLAME SPREAD

	A	Index 1	- Limited flame spread. - Absence of burning debris. - Residual glow.
		Index 2	- Limited flame spread. - Absence of burning debris. - Residual glow. - No hole formations.
		Index 3	- Limited flame spread. - Absence of burning debris. - Residual glow. - No hole formations. - Limited persistence of flame.
	B	-	Number of washes.
	C	H	Home washing.
		I	Industrial washing.
		C	Chemical washing.
	D	-	Washing temperature.

If the materials can not be washed: BC/D = 0/0

The pictogram (see above) can be used only if the product has been tested to another standard of flame protection.

EN ISO 11612 - PROTECTION AGAINST HEAT AND FLAME

	A1 and/or A2	Limited flame spread.
	B1 to B3	Convective heat.
	C1 to C4	Radiant heat.
	D1 to D3	Molten aluminium splash.
	E1 to E3	Molten iron splash.
	F1 to F3	Contact heat.

This standard imposes a number of requirements in terms of product design (for example: the flap of the outer pockets must be larger than the pocket...).

Each garment must bear the code letters A1 and / or A2 plus at least another code letter.

EN ISO 11611 - WELDING AND ALLIED PROCESSES.

	Class 1	Against minor risks: Less projections and a weak radiant heat.
	Class 2	Against important risks: More projections and a more important radiant heat.
	A1 or A2	Test method used for spreading of the flame, in conformity with the standard ISO 15024/2000.

IEC 61482 - THERMAL HAZARDS OF AN ELECTRICAL ARC

	APC 1	Tested with an electrical arc of 4 000 amperes
	APC 2	Tested with an electrical arc of 7 000 amperes

Also, for each class, are checked:
- Absence of flame spread.

- Absence of heat transfer that can burn the user to the 2nd degree.
- Proper functioning of the EPI closure systems after the tests.

EN 14404 - KNEE PROTECTION

	Type 1	Protective portable knee pads.
	Type 2	Knee pads associated with clothing.
	Type 3	Carpet for knees.
	Type 4	Kneeling systems.
Level 0	Flat floors, no resistance to penetration required.	
Level 1	Flat floors, resistance to penetration of 100N.	
Level 2	Flat or irregular surfaces, resistance to penetration of 100N.	
Level 3	Flat or irregular surfaces under difficult conditions, resistance to penetration of 250N.	

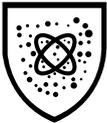
EN 943, EN 14605, EN ISO 13982, EN 13034 AGAINST CHEMICALS

	Type 1	Gaz tight.
	Type 2	Non gaz tight.
	Type 3	Liquid tight connections.
	Type 4	Spray-tight connections.
	Type 5	Protection to the full body against airborne solid particulates.
	Type 6	Limited protection against liquid chemicals.

EN 14126 - AGAINST INFECTIVE AGENTS

	Performance requirements and tests methods for protective clothing against infective agents.
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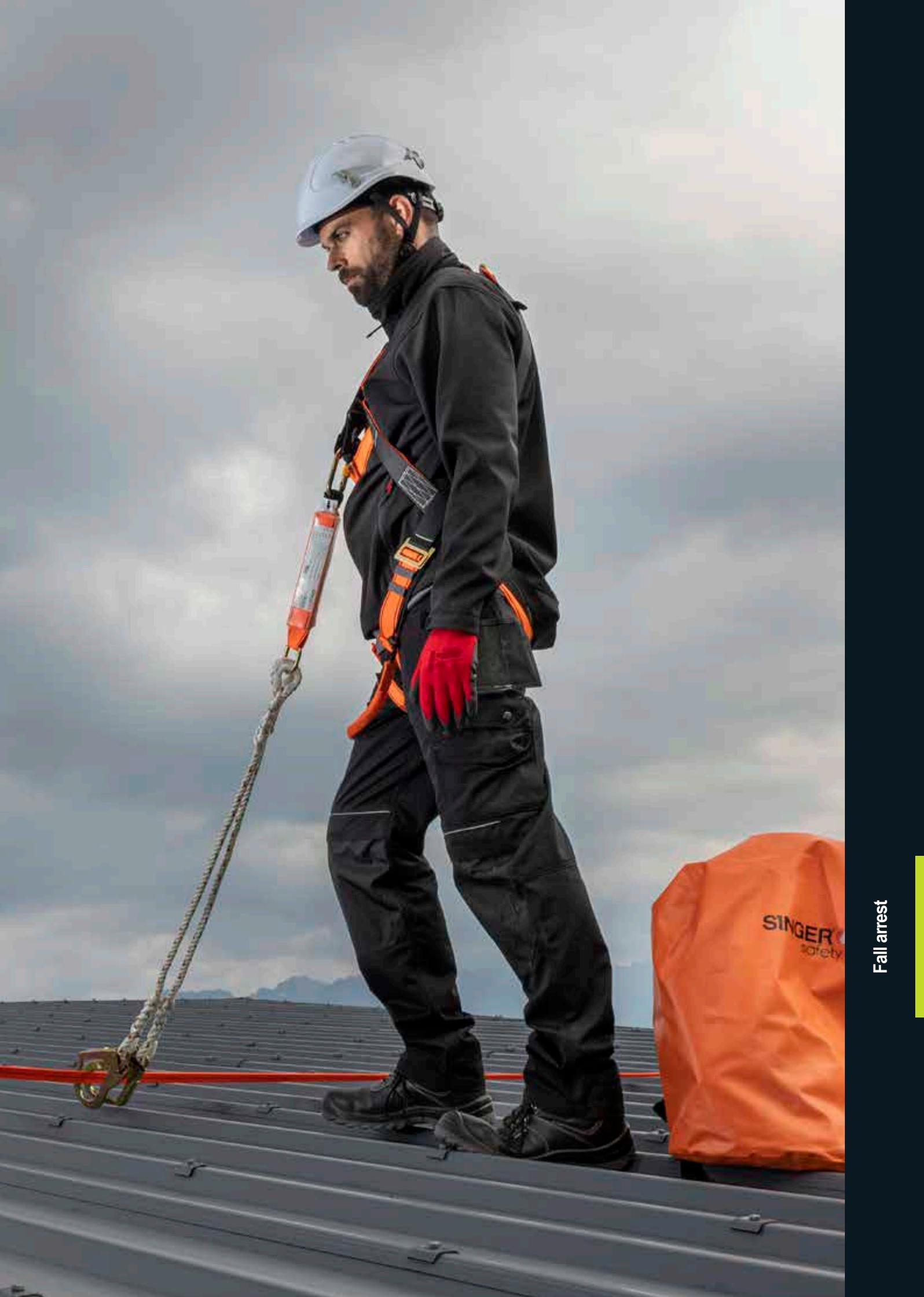
EN 1073-2 - AGAINST RADIOACTIVE CONTAMINATION

	Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination.
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EN 1149-5 - ELECTROSTATIC PROPERTIES

	Electrostatic properties, part 5. Material performance and design requirements.
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Fall arrest

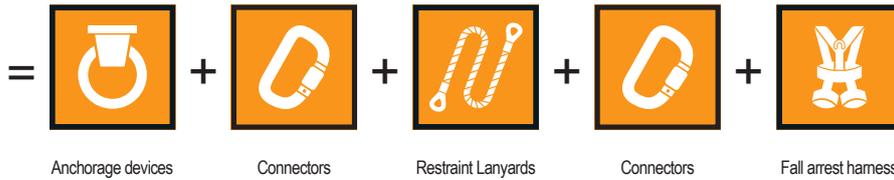




RESTRAINT SYSTEM

This mode of protection is intended to limit movements of the user. It prevent from reaching areas where a fall could occur. It's not able to stop a fall from height and should not be confused with a fall arrest system, even if it is implemented with components that may look similar.

The lenght of the lanyard must be chosen or adjusted to make the fall impossible.



PREMIUM

ANKASTIL - Anchorage wire.
CORTOLUX - Restraint lanyard.
HARRICANA1 - Fall arrest harness.

ESSENTIAL

ANKANO - Cross arm strap.
CORTOPRO - Restraint lanyard.
HARRIMIX - Fall arrest harness.

ACCESSORIES

ALPINO - Helmet / Climber
SGNCONE - Traffic cone
MC6022 - Mechanical gloves

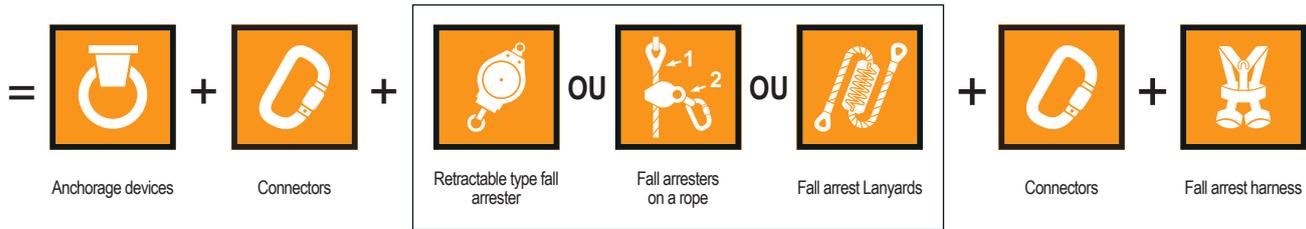




FALL ARREST SYSTEM

These systems are intended to allow an user to reach areas / positions where there is a risk of falling. It must stop a fall if it occurs, then ensure the suspension after stopping the fall. Those system are always made of an anchor point, a connecting element (with an energy absorption function) and a fall arrest harness.

WARNING: BEFORE ANY USE, IT IS IMPORTANT TO CONSIDER THE NOTIONS OF FALL FACTOR AND AIR DRAFT.



PREMIUM

ANKASTIL - Anchorage wire.
TWINLUX15 - Double lanyard.
HARRICANA1 - Fall arrest harness.

ESSENTIAL

ANKANO - Cross arm strap.
TWINPRO15 - Double lanyard.
HARRISTIL - Fall arrest harness.

ACCESSORIES

ALPINHV - Helmet / Climber
SACHYDRO - Waterproof bag
HARRIGARA - High visibility bodywarmer

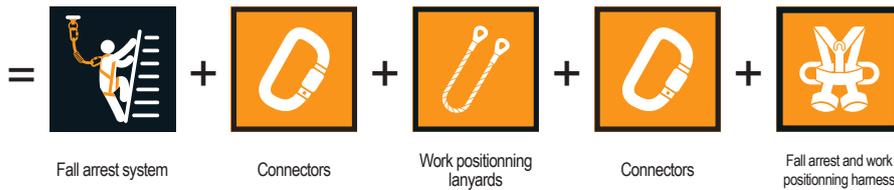




WORK POSITIONING SYSTEMS

With this system, the user is able to perform a task on structure that require a supported or suspended working position. In any case, a work positioning system does not replace the fall arrest system: it doesn't ensure this function. The user must associate it with a fall arrest system.

WARNING: A WORK POSITIONING SYSTEM MUST ALWAYS BE ASSOCIATED TO A FALL ARREST SYSTEM.



PREMIUM

WORKLUX - Work positioning lanyard.
HARRICANA3 - Fall arrest harness.

ESSENTIAL

WORKPRO - Work positioning lanyard.
HARRIWORK - Fall arrest harness.

ACCESSORIES

ALPINO - Helmet / Climber
LP490 - Headlamp
TOOLFLEX - Toolholder



LINEA200

Temporary anchoring.
Horizontal lifeline made of polyester strap.
Anchorage devices made of polyester strap.
Steel tensioning system. Up to 2 users.
Adjustable from: 5 to 20 m. Length: 20 m.
Width: 30 mm. Supplied with its carrying bag.

EN 795 (Type B and C) CEN/TS 16415 (Type B and C)



1x1



4,05 kg

SINGER



ANKAFRAME

Anodized aluminium bar anchor.
 Installation on door or window frame.
 Does not require tools for setting up. Up to 2 users.
 Adjustable from: 60 to 125 cm. Length: 150 cm.
 Supplied with its carrying bag.

EN 795 (Type B) CEN/TS 16415 (Type B)

1x1 4,9 kg



ANKABIM

Anodized aluminium beam anchor.
 Installation on horizontal IPN beam.
 Adjustable from: 90 to 340 mm. Length: 50 cm.

EN 795 (Type B)

1x1 1,9 kg



ANKASTIL10 - Length: 100 cm.

ANKASTIL15 - Length: 150 cm.

Temporary anchoring. Metal anchor wire.
 Double crimping. PVC protective sheath. Diameter: 8 mm.

EN 795 (Type B)

20x1 ANKASTIL10: 470 g
 ANKASTIL15: 700 g



ANKANO6 - Length: 60 cm.

ANKANO10 - Length: 100 cm.

Temporary anchoring. Polyester strap ring. Width: 25 mm.

EN 795 (Type B)

20x1 ANKANO6: 90 g
 ANKANO10: 150 g







ARAWEB100

Retractable fall arrester with polyester strap.
Includes a double action steel connector, captive with swivel.
Includes a triple action aluminium connector OVALUX.
Presence of a fall witness. Case resistant to shocks.
Use in factor 0 only. Total length: 10 m.

EN 360

1x1 5,7 kg



ARALUX

Retractable fall arrester with polyester strap.
Includes a light double action aluminium connector, captive with swivel. Includes a triple action aluminium connector OVALUX.
Presence of a fall witness. Visible energy absorber.
Possible use in factor 2. Total length: 2 m.

EN 360 CNB/P/11.060

1x1 990 g



ARAPRO

Retractable fall arrester with polyamide strap.
Includes two steel screw connectors OVABASE.
Visible energy absorber. Use in factor 0 only. Total length: 2,5 m.

EN 360

5x1 1,2 kg





STOPLUX100 - Length: 10 m.

STOPLUX200 - Length: 20 m.

Aluminium mobile fall arrester on rope. Double action closing. Includes a triple action aluminium captive connector OVALUX, connected by a micro-cable. Fluid on ascent and descent, with no action required from the user. Fall arrest device: braided polyester rope. Diameter: 12 mm. Includes an energy absorber protected by a sheath. Equipped with a 30 cm polyester rope protection.

EN 353-2



STOPLUX100: 10x1
STOPLUX200: 5x1



STOPLUX100: 1,6 kg
STOPLUX200: 3,0 kg

SINGER



STOPRO

Steel mobile fall arrester on rope. Double action closing. Includes a steel screw captive connectors OVABASE, connected with a micro-cable. Fluid on ascent and descent, with no action required from the user. Use with ASSUTWIST or ASSULINE rope (Not included).

EN 353-2



5x1



700 g

SINGER



ASSUTWIST100 - Length: 10 m.

ASSUTWIST200 - Length: 20 m.

Anchorage line made of stranded polyamide rope. Diameter: 14 mm. Compatible with the mobile fall arrester on rope STOPRO. Splices on both sides, protected by a plastic sheath.

EN 353-2



ASSUTWIST100: 10x1
ASSUTWIST200: 5x1



ASSUTWIST100: 1,4 kg
ASSUTWIST200: 2,8 kg

SINGER



ASSULINE100 - Length: 10 m.

ASSULINE200 - Length: 20 m.

Braided polyester rope. Diameter: 12 mm. Compatible with the mobile fall arrester on rope STOPRO. **Not compatible with the mobile fall arrest system STOPLUX.** Splice on one side, protected by a plastic sheath.

EN 353-2



ASSULINE100: 10x1
ASSULINE200: 5x1



ASSULINE100: 1,2 kg
ASSULINE200: 2,4 kg

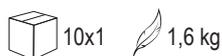
SINGER



TWINLUX15

Double fall arrest lanyard.
 Elasticated polyester strap.
 Integrated energy absorber, protected by a plastic sheath. Includes two double action aluminium captive connectors GRABLUX. Includes a triple action aluminium connector OVALUX.
 Minimum air draft required: 6 m (factor 2).
 Unstretched length: 1,25 m. Stretched length: 1,5 m.

EN 355 CNB/P/11.063



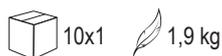
VIDEO



TWINPRO15

Double fall arrest lanyard.
 Stranded polyamide rope. Diameter: 12 mm.
 Integrated energy absorber, protected by a plastic sheath. Includes two double action steel captive connectors GRABPRO.
 Includes a steel screw connector OVABASE.
 Minimum air draft required: 6 m (factor 2). Length: 1,5 m.

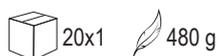
EN 355 CNB/P/11.063



CORTAB15

Fall arrest lanyard. Stranded polyamide rope.
 Integrated energy absorber, protected by a plastic sheath. Splice on one side.
 Minimum air draft required: 6 m (factor 2).
 Length: 1,5 m. Diameter: 12 mm.

EN 355





CORTOLUX10 - Length: 1 m.

CORTOLUX15 - Length: 1,5 m.

Restraint lanyard. Braided polyamide rope.
Diameter: 11 mm. Splices on both sides.
Includes double action aluminium connector GRABLUX.
Includes steel screw connector OVABASE.

EN 354



CORTOLUX10: 785 g
CORTOLUX15: 855 g

SINGER



CORTOPRO10 - Length: 1 m.

CORTOPRO15 - Length: 1,5 m.

Restraint lanyard. Stranded polyamide rope.
Diameter: 12 mm. Splices on both sides.
Includes a double action steel connectors GRABPRO.
Includes a steel screw connector OVABASE.

EN 354



CORTOPRO10: 815 g
CORTOPRO15: 885 g

SINGER



CORTOBASE10 - Length: 1 m.

CORTOBASE15 - Length: 1,5 m.

Restraint lanyard. Stranded polyamide rope.
Diameter: 12 mm. Splices on both sides.
No connector included.

EN 354



CORTOBASE10: 170 g
CORTOBASE15: 255 g

SINGER



WORKLUX

Work positioning lanyard.
Braided polyester rope. Diameter: 12 mm.
Aluminium rope adjustment device, opening with two consecutive actions. Rope jamming system.
Includes a triple action aluminium connector OVALUX.
Includes a double action aluminium captive hook.
Equipped with a 30 cm polyester rope protection.
Maximal length: 2 m.

EN 358

10x1 740 g

SINGER



WORKPRO

Work positioning lanyard. Stranded polyamide rope.
Diameter 14 mm. Splice on one side.
Steel rope adjustment device. Rope jamming system.
Includes two steel screw connectors OVABASE.
Maximal length: 2 m.

EN 358

10x1 1,2 kg

SINGER



WORKBASE

Work positioning lanyard. Stranded polyamide rope.
Diameter 14 mm. Splice on one side.
Stainless steel adjustment ring.
Includes two steel screw connectors OVABASE.
Maximal length: 2 m.

EN 358

10x1 745 g

SINGER





HARRICANA3

Suitable for the restraint system, fall arrest system, work positioning and rope access functions. Polyester strap construction. Contrasted security seams. Padded with knitted mesh lining. Adjustable straps (sternals, waist, thighs). One size only.

This harness includes:

- 1 dorsal connection (fall arrest) with aluminium ring.
- 1 sternal connection (fall arrest) with aluminium ring.
- 2 lateral connections (work positioning) with aluminium ring.
- 1 ventral connection (access by rope) with aluminium ring.
- 4 automatic buckles for straps closing.
- 4 equipment holders.

EN 358 EN 361 EN 813

 5x1  2,4 kg

SINGER 



HARRISTAR

Suitable for the restraint system, fall arrest system, work positioning and rope access functions. Polyester strap construction. Contrasted security seams. Padded with knitted mesh lining. Adjustable straps (sternals, waist, thighs). One size only.

This harness includes:

- 1 dorsal connection (fall arrest) with steel ring.
- 1 sternal connection (fall arrest) with steel ring.
- 2 lateral connections (work positioning) with steel ring.
- 1 ventral connection (access by rope) with steel ring.
- 7 equipment holders.

EN 358 EN 361 EN 813

5x1 2,3 kg



HARRIWORK

Suitable for the restraint system, fall arrest system and work positioning functions. Polyester strap construction. Contrasted security seams. Padded with knitted mesh lining. Adjustable straps (sternals, waist, thighs). One size only.

This harness includes:

- 1 dorsal connection (fall arrest) with steel ring.
- 1 sternal connection (fall arrest) with 2 textile buckles.
- 2 lateral connections (work positioning) with steel ring.
- 7 equipment holders.

EN 358 EN 361

5x1 1,8 kg





HARRICANA1

Suitable for the restraint and fall arrest system.
Polyester strap construction. Contrasted security seams.
Padded with knitted mesh lining.
Adjustable straps (sternals, thighs). One size only.

This harness includes:

- 1 dorsal connection (fall arrest) with aluminium ring.
- 1 sternal connection (fall arrest) with 2 textile buckles.
- 1 automatic buckle for harness closing.
- 2 automatic buckles for straps closing.
- 2 equipment holders.

EN 361



SINGER



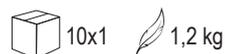
HARRISTIL

Suitable for the restraint and fall arrest system.
Polyester strap construction. Contrasted security seams.
Adjustable straps (sternals, thighs).
One size only.

This harness includes:

- 1 dorsal connection (fall arrest) with steel ring.
- 1 sternal connection (fall arrest) with steel ring.

EN 361



SINGER



HARRIMIX

Suitable for the restraint and fall arrest system.
 Polyester strap construction. Contrasted security seams.
 Adjustable straps (sternals, thighs).
 One size only.

HARRIONE

Suitable for the restraint and fall arrest system.
 Polyester strap construction. Contrasted security seams.
 Adjustable straps (sternals, thighs).
 One size only.

This harness includes:
 - 1 dorsal connection (fall arrest) with steel ring.
 - 1 sternal connection (fall arrest) with 2 textile buckles.

This harness includes:
 - 1 dorsal connection (fall arrest) with steel ring.

EN 361

EN 361

10x1 920 g

10x1 800 g

SINGER

SINGER



OVALUX

Symmetrical light connector, made of anodized aluminium. Triple action automatic closure to ensure maximum safety. Perfect to connect a lanyard to the fall arrest harness. Incorporates «No hook» technology. Opening: 14 mm.

EN 362 (Class B)



5x10



80 g

SINGER



OVALOCK

Steel symmetrical connector, screw closure. With a wide ferrule. Perfect to connect fall arrest equipment. Non-closing red indicator to ensure safety. Incorporates «No hook» technology. Opening: 16 mm.

EN 362 (Class B and M)



5x10



165 g

SINGER



OVABASE

Steel symmetrical connector, screw closure. Perfect to connect fall arrest equipment. Opening: 18 mm.

EN 362 (Class B and M)



5x10



160 g

SINGER



NOVOPRO

Unsymmetrical light connector, made of anodized aluminium.
 Double action automatic closure, 1/4 turn.
 Its width allows to accommodate several equipment. Opening: 21 mm.

EN 362 (Class B)



NOVOBASE

Unsymmetrical light connector, made of anodized aluminium. Screw closure.
 Its width allows to accommodate several equipment. Opening: 22 mm.

EN 362 (Class B)



GRABLUX

Aluminium light connector.
 Simple and fast use, double action.
 Perfect to connect a lanyard to a wide metallic structures. Opening: 60 mm.

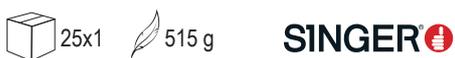
EN 362 (Class A and T)



GRABPRO

Steel connector.
 Simple and fast use, double action.
 Perfect to connect a lanyard to a wide metallic structures. Opening: 50 mm.

EN 362 (Class T)



**KITH03**

This kit includes:
 1 fall arrest harness (HARRIONE) + 2 connectors (OVABASE)
 + 1 fall arrest lanyard (CORTAB15) + 1 carrying bag.

**SINGER** **KITH04**

This kit includes:
 1 fall arrest harness (HARRIMIX)
 + 1 double fall arrest lanyard (TWINPRO15) + 1 carrying bag.

**SINGER** **KITCOUVE**

This kit includes:
 1 fall arrest harness (HARRIMIX) + 1 rope (ASSUTWIST100)
 + 1 temporary anchoring (ANKANO10) + 1 mobile fall arrester (STOPRO)
 + 1 connector (OVABASE) + 1 carrying bag (SACPRO).

**SINGER** **KITNACEL**

This kit includes:
 1 fall arrest harness (HARRIONE)
 + 1 restraint lanyard (PN289B) + 1 carrying bag.

**SINGER**



not a
PPE
PPE

TOOLFLEX

Extendible tool holder. Indispensable for work at height. Includes a small carabiner to hang the tool. Cord at one end. Maximum load supported: 10 kg. Unstretched length: 85 cm. Stretched length: 135 cm.

25x1 60 g



SACPRO

Polyester carry bag. Dimension: 45 x 22 x 22 cm. Volume: 22 liters. Zip fastening. Label holder (label not included). Two straps. Color: black and orange.

25x1 340 g



SACHYDRO

Tarpaulin waterproof bag P.V.C 500 D. Thickness: 0.50 mm. Height: 86 cm. Opening: 33 cm. Volume: 60 liters. Winding closure and clip. Two adjustable straps, padded with mesh lining. Chest strap with clip. 2 equipment holders.

10x1 850 g



SACKIT

Polyester carry bag. Dimension: 32,5 x 45 cm. Cords fastening. Color: black and white.

50x1 50 g



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STANDARD

EN 353-2	PPE against falls from a height: Fall arresters on a flexible anchorage line.
EN 354	PPE against falls from a height: Lanyards.
EN 355	PPE against falls from a height: Energy absorber.
EN 358	PPE against falls from a height: Belts for work positioning and restraint and work positioning lanyards.
EN 360	PPE against falls from a height: Retractable type fall arresters.
EN 361	PPE against falls from a height: Full body harnesses.
EN 362	PPE against falls from a height: Connectors.
EN 363	PPE against falls from a height: Personal fall protection systems. General requirements for instructions for use, and marking.
EN 365	PPE against falls from a height: General requirements for instructions for use, and marking.
EN 795	PPE against falls from a height: Anchor devices.
EN 813	PPE against falls from a height: Sit harnesses.

EN 353-2 - FALL ARRESTERS ON A FLEXIBLE ANCHORAGE LINE



The fall arresters follows the user as he progresses and blocks him automatically in case of fall.

- > Static resistance:
 - Anchorage line (resist to a 22 kN force).
 - Anchorage cable (resist to a 15 kN force).
- > Dynamic performance (with a trial mass of 100 Kg):
 - Braking force does not go over 6 kN.
 - Stopping distance does not go over 3 m.

EN 354 - LANYARDS



Lanyards are connecting elements, they can include an energy absorber, which helps absorbing the impact of a fall. In this case, this element is covered by the standard EN 355.

EN 355 - ENERGY ABSORBER



Energy absorber is obligatorily used in situation where the user is exposed to fall risks. The lanyard has to dissipate the Energy developed during a fall from a height and to reduce the braking force to a no lesional level.

The Energy absorber is made up of a strap folded into a package. In the event of an impact, the package is torn open and the strap unfolds gradually. The anti-fall link is equipped with a connector that links the harness to the anchoring point. The connectors can be made directly with the lanyard or sold separately. They are covered by standard EN 362

- > Dynamic performance:
 - Braking force does not go over 6 kN.
 - Static preloading: 2kN
- > Static resistance:
 - Absorber (completely unfold) resist to 15 kN.

EN 362 - CONNECTORS



Connectors are openable device used to connect components. The locking of the connector is divided into a minimum of two actions (automatic-locking gate or manual-locking gate),

Different shapes exist to fit to the types of works and environment. They can be made of galvanized steel, stainless steel, alloy steel...

- > Static resistance for a basic connector (class B):
 - Major axis gate closed and unlocked: 15 kN.
 - Major axis gate closed and locked: 20 kN.
 - Minor axis Gate closed: 7 kN.

EN 358 - WORK POSITIONING BELTS AND LANYARD



The work positioning lanyard links the belt to the anchoring point (restraint), or to a surrounding structure to allow to free the hands (work positioning). The work positioning lanyard connects a belt at an anchor point (restraint), or a structure surrounding it, so to be able to let go of the hands (maintenance at work). In this case, use with a fall arrest system.

EN 360 - RETRACTABLE TYPE FALL ARRESTER



The retractable type fall arrester is equipped with a retractable lanyard, it ensures the automatic locking function in case of fall. It integrates a dissipator or an energy absorber.

- > Static resistance:
 - With a retractable textile lanyard: 15 kN
 - With a retractable metal lanyard: 12 kN
- > Dynamic performance:
 - Braking force does not go over 6 kN.

EN 361 - FULL BODY HARNESS



The fall arrest harness is a body gripping device (adjustable to the user's morphology) designed to stop falls. It's an element of the fall arrest device (anchorage device + fall arrest link + full body harness)

- > Static resistance: 15kN
- > Dynamic performance:
 - Harness fitted to a 100 kg mass, connected to a rope. Must resist to two falls of 4 m:
 - Head-up position, and head-down position the harness must hold the dummy. After each fall, the dummy must be hold in a position not exceeding 50° from the upright position.

EN 795 - ANCHORAGE DEVICES



The anchor device includes fix or mobile anchor points. They are intended for the connection of components in a personal fall protection system.

Type	Anchor Device
A	anchor device with one or more stationary anchor points, while in use, and with the need for a structural anchor(s) or fixing element(s) to fix to the structure
B	anchor device with one or more stationary anchor points without the need for a structural anchor(s) or fixing element(s) to fix it to the structure
C	anchor device employing a flexible anchor line which deviates from the horizontal by not more than 15°
D	anchor device employing a rigid anchor line which deviates from the horizontal by not more than 15°
E	anchor device for use on surfaces up to 5° from the horizontal where the performance relies solely on mass and friction between itself and the surface

Example for an anchor device type B:

- > Static resistance:
 - During 3 mm if the anchor device is in metal: 12 kN
 - During 3 mm if the anchor device is in textil: 18 kN
- > Dynamic resistance:
 - Fall of a mass of 300 Kg in factor 1, no breaking.

EN 813 - SIT HARNESSES



The sit harness is a textil element encircling the waist, connected to each leg and provided with a ventral attachment point allowing the suspension of a person.

- > Static resistance: 15 kN





Buying guide SHOES

SINGER®
safety



BERGAM	BARYO	BARY	INDRA	BOCA	GENES	RODI	ABYSS	FOGGIA	LAURO	TRIESTE
S3 SRC	S3 SRC	S3 SRC	S1-P ESD SRC	S1-P SRC	S1-P SRC	S1-P SRC	S3 WR SRC	S3 SRC	S3 SRC	S3 SRC

JOBS	CONSTRUCTION							👍👍👍	👍👍👍	👍👍👍	👍👍👍	
	FINISHINGS	👍👍	👍👍	👍👍	👍	👍	👍	👍👍				
	INDUSTRY	👍👍	👍👍	👍👍	👍👍👍	👍👍	👍	👍				
	WELDING											
	FOOD AND MEDICAL SECTORS											
	LOGISTICS	👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍				
ADVANTAGES	ENVIRONMENT	🔴🔴🔴	🔴🔴🔴	🔴🔴🔴	☀️	☀️	☀️	☀️	🔴🔴🔴	🔴🔴🔴	🔴🔴🔴	
	WEIGHT*	580 g	560 g	520 g	640 g	490 g	550 g	610 g	790 g	730 g	680 g	680 g
	E.F.P. TONGUE						👤	👤		👤		
	ERGONOMIC INSOLE	👤			👤				👤	👤		
	COMFORT PACK									👤		
	CLIM PACK						👤	👤				



E.F.P. tongue (Ergonomic-Foam-Protect)
 + Limits compression points
 + Stabilises lacing



Ergonomic sole (Preformed PU)
 + Removable / Fast drying / Antistatic
 + Foot arch support
 + Reduces shocks with PU and energy absorbing heel

(*) Approximative weight of a shoe (size 42)



ROMA S3 SRC	PARMA S3 SRC	ASTRO S3 SRC	TRANO S3 SRC	CADIX S1-P SRC	ALBI S1-P SRC	MILAN S3 HRO SRC	ETNA S3 HRO SRC	ST280 S1-P SRC	IMOLA S3 SRC	ST400 S1-P SRC	VIGO S2 SRC	GR35 S3 SRC	GR25 S3 SRC	GR10 S1-P SRC	GR20 S1-P SRC
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670 g	580 g	730 g	680 g	680 g	650 g	730 g	700 g	640 g	740 g	710 g	420 g	620 g	590 g	600 g	580 g



Comfort pack

- + Ergonomic insole
- + E.F.P. tongue
- + More comfort
- + Less tiring during daily use



Clim pack

- + Lateral ventilation system
- + Ventilated insole
- + Optimised shoe ventilation
- + Provide more comfort in hot environment

> Advantages



SLIP RESISTANCE



STUDED SOLE



RESISTANCE TO FUEL OIL



ANTISTATIC PROPERTIES



SHOCKPROOF COMPOSITE
TOE CAP (200J)



SHOCKPROOF STEEL
TOE CAP (200J)



ANTIPERFORATION
HIGH TENACITY
TEXTILE SOLE (1100N)



ANTIPERFORATION
STEEL SOLE (1100N)



WATER PENETRATION
RESISTANCE



ENERGY ABSORPTION
OF THE HEEL





BERGAM

Safety shoes. Upper: water repellent nubuck leather. Lining: textile. Tongue: comfortable padding, with gusset. Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU. Pierce resistant midsole: high tenacity textile. Sole: polyurethane double-density. Metal free shoes.

EN ISO 20345 S3 SRC



10x1 36→47 580 g

SINGER



BARYO

Upper: high cut, water repellent nubuck leather.
Lining: textile. Tongue: comfortable padding, with gusset.
Toe cap: composite shockproof 200J.
Insole: EVA fabric, perforated, antistatic.
Pierce resistant midsole: high tenacity textile.
Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



10x1 36→47 560 g **SINGER**



BARY

Upper: water repellent nubuck leather.
Lining: textile. Tongue: comfortable padding.
Toe cap: composite shockproof 200J.
Insole: EVA fabric, perforated, antistatic.
Pierce resistant midsole: high tenacity textile.
Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



10x1 36→47 520 g **SINGER**



INDRA

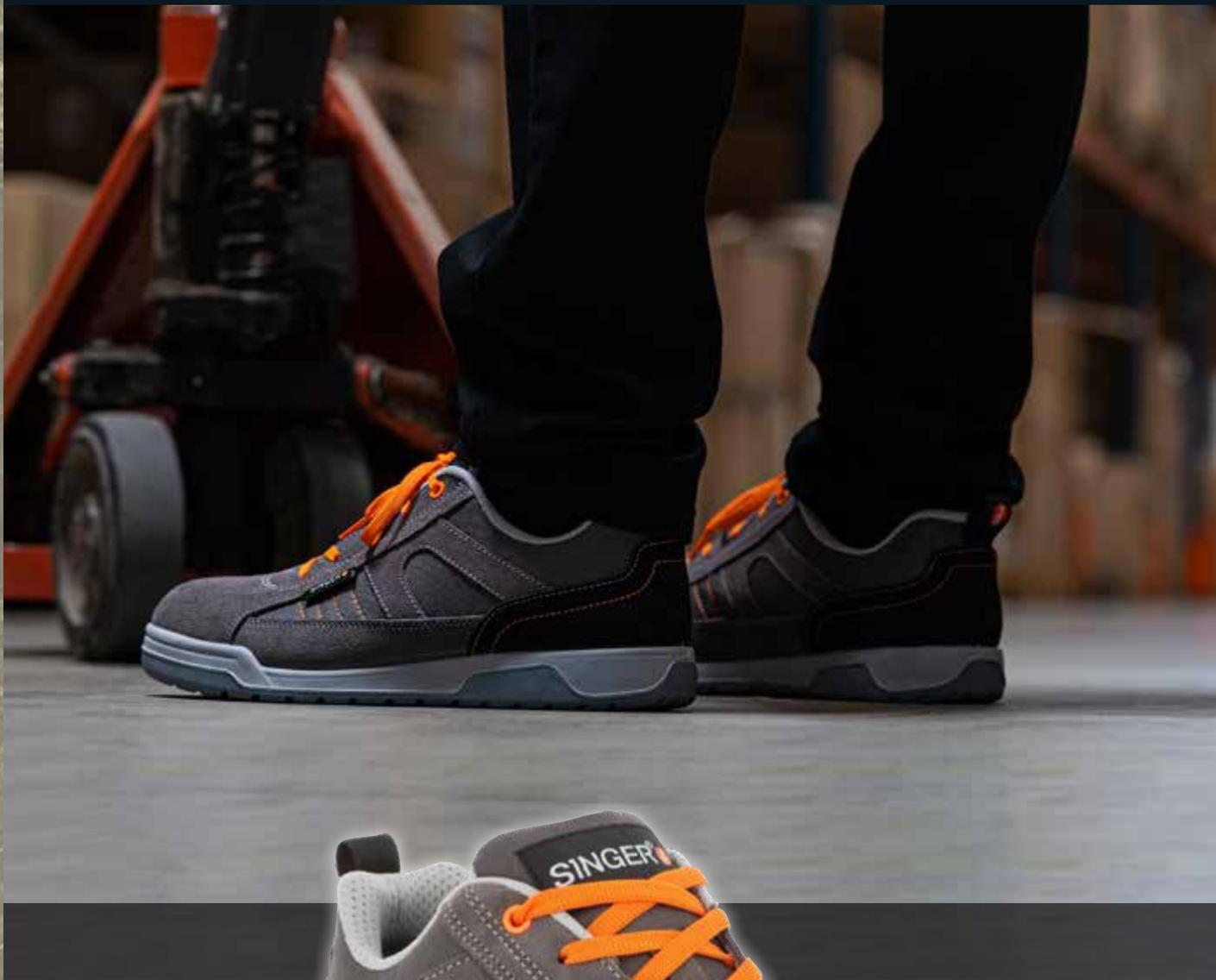
Upper: split suede leather and ventilated polyester mesh. Lining: textile. Tongue: comfortable padding, with gusset. Toe cap: composite shockproof 200J.
 Insole: ESD, ergonomic in preformed PU. Pierce resistant midsole: high tenacity textile. Sole: polyurethane double-density. Metal free shoes.

EN 61340-4-3 ESD
 EN ISO 20345 S1-P SRC



10x1 36→47 640 g

SINGER



BOCA

Upper: split suede leather and ventilated polyester mesh. Lining: textile.

Tongue: comfortable padding, with gusset. Toe cap: composite shockproof 200J. Insole: EVA fabric, perforated, antistatic. Pierce resistant midsole: high tenacity textile.

Sole: polyurethane double-density. Metal free shoes, sold with an extra pair of grey laces.

EN ISO 20345 S1-P SRC



10x1 36→47 490 g

SINGER



GENES

Upper: split suede leather and ventilated polyester mesh.
 Lining: textile. Tongue: E.F.P. Toe cap: composite shockproof 200J.
 Insole: EVA fabric, perforated, antistatic.
 Pierce resistant midsole: high tenacity textile.
 Sole: polyurethane double-density. Metal free shoes.

EN ISO 20345 S1-P SRC



10x1 36→47 550 g **SINGER**



RODI

Upper: split suede leather and ventilated polyester mesh.
 Lining: textile. Tongue: E.F.P.
 Toe cap: composite shockproof 200J. Insole: ventilated PU.
 Pierce resistant midsole: steel. Sole: polyurethane double-density.
 Shoes sold with an extra pair of grey laces.

EN ISO 20345 S1-P SRC



10x1 37→47 610 g **SINGER**





[WITH WATERPROOF MEMBRANE]

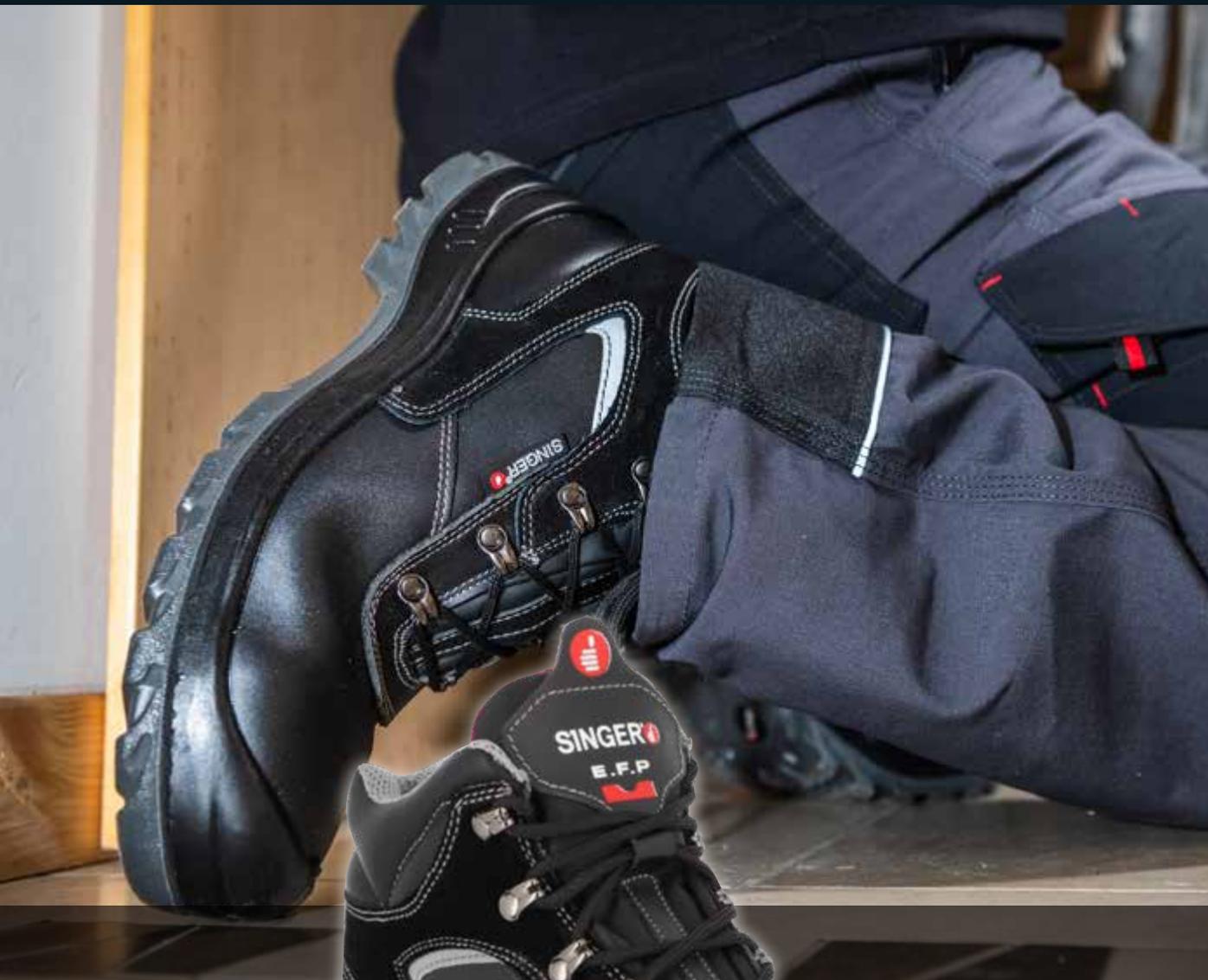
ABYSS

Upper: high cut, water repellent nubuck leather. Lining: textile. Tongue: comfortable padding, with gusset.
 Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU. Pierce resistant midsole: high tenacity textile. Sole: polyurethane double-density.

EN ISO 20345 S3 WR SRC



10x1 39→47 790 g



FOGGIA

Upper: high cut, water repellent full grain leather. Lining: textile. Tongue: E.F.P. with gusset.

Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU. Pierce resistant midsole: high tenacity textile. Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



10x1 39→47 730 g

SINGER



LAURO

Upper: high cut, water repellent full grain leather. Lining: textile.
 Tongue: comfortable padding, with gusset.
 Toe cap: composite shockproof 200J.
 Insole: EVA fabric, perforated, antistatic.
 Pierce resistant midsole: high tenacity textile.
 Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



10x1 39→47 680 g **SINGER**



TRIESTE

Upper: high cut, water repellent leather. Lining: textile.
 Tongue: comfortable padding, with gusset.
 Toe cap: steel shockproof 200J.
 Insole: EVA fabric, perforated, antistatic.
 Pierce resistant midsole: steel. Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



10x1 39→47 680 g **SINGER**



ROMA

Upper: high cut, water repellent pigmented leather. Lining: textile.
 Tongue: comfortable padding, with gusset.
 Toe cap: composite shockproof 200J. Insole: EVA fabric, antistatic.
 Pierce resistant midsole: high tenacity textile.
 Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



10x1 39→47 670 g **SINGER**



PARMA

Upper: water repellent pigmented leather. Lining: textile.
 Tongue: comfortable padding, with gusset.
 Toe cap: composite shockproof 200J. Insole: EVA fabric, antistatic.
 Pierce resistant midsole: high tenacity textile.
 Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



10x1 39→47 580 g **SINGER**





ASTRO

Upper: high cut, water repellent full grain leather. Lining: textile.
 Tongue: E.F.P. with gusset. Toe cap: composite shockproof 200J.
 Insole: ergonomic in preformed PU.
 Pierce resistant midsole: high tenacity textile.
 Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



10x1 39→47 730 g **SINGER**



TRANO

Upper: water repellent full grain leather. Lining: textile.
 Tongue: E.F.P. with gusset. Toe cap: composite shockproof 200J.
 Insole: ergonomic in preformed PU.
 Pierce resistant midsole: high tenacity textile.
 Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



10x1 39→47 680 g **SINGER**



CADIX

Upper: high cut, split suede leather and ventilated polyester mesh.
 Lining: textile. Tongue: E.F.P. with gusset.
 Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU.
 Pierce resistant midsole: high tenacity textile.
 Sole: polyurethane double-density.

EN ISO 20345 S1-P SRC



10x1 39→47 680 g **SINGER**



ALBI

Upper: split suede leather and ventilated polyester mesh.
 Lining: textile. Tongue: E.F.P. with gusset.
 Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU.
 Pierce resistant midsole: high tenacity textile.
 Sole: polyurethane double-density.

EN ISO 20345 S1-P SRC



10x1 39→47 650 g **SINGER**





MILAN

Upper: high cut, water repellent coated nubuck leather. Lining: textile. Tongue: E.F.P. with gusset.

Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU. Pierce resistant midsole: high tenacity textile. Sole: nitrile rubber, H.R.O.

EN ISO 20345 S3 HRO SRC



10x1  39→47  730 g

SINGER 



ETNA

Upper: high cut, water repellent coated nubuck leather. Lining: textile.
 Tongue: gusset with protective leather cover and velcro.
 Toe cap: composite shockproof 200J. Insole: ergonomic in preformed PU.
 Pierce resistant midsole: high tenacity textile. Sole: nitrile rubber H.R.O.

EN ISO 20345 S3 HRO SRC



10x1 39→47 700 g **SINGER**



ST280

Upper: high cut, pigmented leather. Lining: textile.
 Tongue: gusset with protective leather cover and velcro.
 Toe cap: steel shockproof 200J. Insole: EVA fabric, antistatic.
 Pierce resistant midsole: steel. Sole: polyurethane double-density.

EN ISO 20345 S1-P SRC



10x1 39→47 640 g **SINGER**





IMOLA

Upper: high cut, water repellent full grain leather. Lining: textile. Tongue: comfortable padding, with gusset. Toe cap: composite shockproof 200J. Insole: EVA fabric, antistatic. Pierce resistant midsole: high tenacity textile. Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



10x1 39→47 740 g

SINGER



ST400

Upper: mid cut, split suede leather. Lining: textile.
 Tongue: comfortable padding, with gusset.
 Toe cap: steel shockproof 200J. Insole: EVA fabric, antistatic.
 Pierce resistant midsole: steel. Sole: polyurethane double-density.

EN ISO 20345 S1-P SRC



10x1 39→47 710 g **SINGER**



VIGO

Upper: microfibre. Lining: textile. Tongue: microfibre, elastic fastening.
 Toe cap: steel shockproof 200J.
 Insole: EVA fabric, antistatic. Sole: polyurethane double-density.

EN ISO 20345 S2 SRC



10x1 39→47 710 g **SINGER**





[WATER REPELLENT]

GR350

Upper: high cut, water repellent pigmented leather.
 Lining: textile. Tongue: comfortable padding, with gusset.
 Toe cap: steel shockproof 200J. Insole: EVA fabric, antistatic.
 Pierce resistant midsole: steel. Sole: polyurethane double-density.

EN ISO 20345 : S3 SRC



10x1 39→47 620 g



[WATER REPELLENT]

GR250

Upper: water repellent pigmented leather.
 Lining: textile. Tongue: comfortable padding, with gusset.
 Toe cap: steel shockproof 200J. Insole: EVA fabric, antistatic.
 Pierce resistant midsole: steel. Sole: polyurethane double-density.

EN ISO 20345 : S3 SRC



10x1 39→47 590 g





GR100

Upper: high cut, pigmented leather. Lining: textile.
 Tongue: comfortable padding, with gusset.
 Toe cap: steel shockproof 200J. Insole: EVA fabric, antistatic.
 Pierce resistant midsole: steel. Sole: polyurethane.

EN ISO 20345 : S1-P SRC



10x1 37→47 600 g



GR200

Upper: pigmented leather. Lining: textile.
 Tongue: comfortable padding, with gusset.
 Toe cap: steel shockproof 200J. Insole: EVA fabric, antistatic.
 Pierce resistant midsole: steel. Sole: polyurethane.

EN ISO 20345 : S1-P SRC



10x1 37→47 580 g





BREME

Upper: water repellent pigmented leather.
 Lining: fur acrylic. Toe cap: composite shockproof 200J.
 Insole: EVA fabric, antistatic.
 Pierce resistant midsole: high tenacity textile.
 Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



5x1 39→47

SINGER



GR40

Upper: water repellent pigmented leather.
 Lining: acrylic fur. Toe cap: steel shockproof 200J.
 Insole: EVA fabric, antistatic.
 Pierce resistant midsole: steel. Sole: polyurethane double-density.

EN ISO 20345 S3 SRC



10x1 39→47

Prosur



BORN

Upper: PVC. Lining: polyester fur. Toe cap: steel shockproof 200J. Pierce resistant midsole: steel. Sole: PVC and nitrile.

EN ISO 20345 S5 SRC



6x1 39→47

SINGER

**BOTSECU**

Upper: PVC. Lining: viscose.

Toe cap: steel shockproof 200J. Pierce resistant midsole: steel.

EN ISO 20345 S5 SRC



6x1 39→47

SINGER **BOTPVC**

Upper: PVC. Lining: viscose.

EN ISO 20347 OB SRA



10x1 39→47

**BOTBLANC**

Upper: PVC. Lining: viscose.

EN ISO 20347 OB SRA



10x1 36→47



COME

Thigh boot: resistant polyester PVC (700 gsm). Welding on safety boots.
 Large adjustable straps to fix on belt. Height: 90 cm.
 Black front wear resistant reinforcement. Lining: viscose.
 Toe cap: steel shockproof 200J. Pierce resistant midsole: steel.

EN ISO 20345 S5 SRC



5x1 40→47

WIKI

Chest waders: resistant polyester PVC (700 gsm).
 Welding on safety boots. Adjustable elastic drawcord at waist. Height: 143 cm.
 Feature elasticated braces with fix lock buckles, an internal chest pocket.
 Black front wear resistant reinforcement.
 Reinforced with double layer on top edge. Lining: viscose.
 Toe cap: steel shockproof 200J. Pierce resistant midsole: steel.

EN ISO 20345 S5 SRC



5x1 40→47



CLUSE

Warm winter socks. 58% acrylic, 25% wool, 17% polyamide.
Reinforced on high heel. Tightened on the foot.
Good support of the metatarsus.



00 (36-38), 01 (39-41),
02 (42-44), 03 (45-47)



SINGER



CAGNES

Summer socks. 67% cotton, 15% polyester, 18% polyamide.
Tightened on the foot. Good support of the metatarsus.



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



SINGER



ACCBOTACRY

High socks for boots. 100% polyester.



One size only



SINGER



ACCCHAUS

Socks for boot. 50% polyester / 50% cotton.



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



SINGER



ACCSEMELLE

Removable and antistatic sole.
Fast drying. Foot arch support.
Reduces shocks with PU and energy absorbing heel.



SINGER



ST2022

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

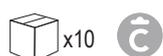


SINGER



ACCLAC

Pair of laces. Textile material. Length: 130 cm. Colour grey/black.
Polybag of 10 pairs.



SINGER



ACCBARY

Pair of laces. Textile material. Length: 130 cm. Colour red.
Polybag of 72 pairs.



SINGER

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

STANDARDS

EN ISO 20344	Personal protective equipment: Test methods for footwear.
EN ISO 20345	Safety footwear: Toe protection against shocks (200 J) and the risks of flattening (15 kN).
EN ISO 20346	Protective shoes: Toe protection against shocks (100 J) and the risks of flattening (10 kN).
EN ISO 20347	Occupational footwear: No specification about toe protection.

SLIP RESISTANCE

SRA	On ceramic tile floor with SLS.
SRB	On steel floor with glycerol.
SRC	SRA + SRB

EN ISO 20345 - OPTIONAL REQUIREMENTS

E	Heel energy absorption
P	Anti-puncture sole
CR	Cut resistance of the upper
M	Metatarsal protection
C	Conductive sole
A	Antistatic footwear
HI	Insulation against heat
CI	Insulation against cold
HRO	Heat resistant outsole compound
WRU	Water penetration and water absorption resistance of the upper
WR	Water resistance of the whole footwear
I	Insulating shoes
AN	Malleoli protection

USED MATERIAL CLASS

Class I	All leather and other materials (except for all rubber or all polymer)
Class II	All rubber (fully vulcanised) or all polymer (fully moulded).

EN ISO 20345 - SHOES CLASS

SB	Class I or II	Basic properties
S1	Class I	Basic properties Closed backpart Antistatic properties Energy absorption of the heel Resistance to fuel oil
S2	Class I	Basic properties Closed backpart Antistatic properties Energy absorption of the heel Resistance to fuel oil Water penetration resistance Water absorption resistance
S3	Class I	Basic properties Closed backpart Antistatic properties Energy absorption of the heel Resistance to fuel oil Water penetration resistance Water absorption resistance Anti-puncture sole Studded sole
S4	Class II	Basic properties Closed backpart Antistatic properties Energy absorption of the heel Resistance to fuel oil
S5	Class II	Basic properties Closed backpart Antistatic properties Energy absorption of the heel Resistance to fuel oil Anti-puncture sole Studded sole

EN 61340-4-3 - ELECTROSTATIC (ESD)

Shoes that cover this standard are «dissipative».
This standard defines the shoes that protect electronic equipment against an electrostatic discharge.
Electrical resistance: $< 1 \Omega \times 10^8$.
Antistatic shoes are not necessarily ESD.





Single
Use

**AUUMP10V**

Foldable half-mask (horizontal fold). 3 panels design.
With exhalation valve. Latex free elastic band.
Adjustable invisible nosepiece. Lining: polypropylene.
Box of 20 pieces. Individually hygienically packed.

EN 149 (FFP1 NR D)

**SINGER** **AUUMP20V**

Foldable half-mask (horizontal fold). 3 panels design.
With exhalation valve. Latex free elastic band.
Adjustable invisible nosepiece. Lining: polypropylene.
Box of 20 pieces. Individually hygienically packed.

EN 149 (FFP2 NR D)

**SINGER** **AUUMP30V**

Foldable half-mask (horizontal fold). 3 panels design.
With exhalation valve. Latex free elastic band.
Adjustable invisible nosepiece. Lining: polypropylene.
Box of 20 pieces. Individually hygienically packed.

EN 149 (FFP3 NR D)

**SINGER**



AUUMP100SL

Foldable half-mask (horizontal fold). Double elastic band.
Metal nosepiece covered with plastic.
Box of 20 pieces. Individually hygienically packed.

EN 149 (FFP1 NR D)



AUUMP200SL

Foldable half-mask (horizontal fold). Double elastic band.
With exhalation valve. Metal nosepiece covered with plastic.
Box of 20 pieces. Individually hygienically packed.

EN 149 (FFP2 NR D)



AUUMP300SL

Foldable half-mask (horizontal fold). Double elastic band.
With exhalation valve. Metal nosepiece covered with plastic.
Box of 20 pieces. Individually hygienically packed.

EN 149 (FFP3 NR D)



**AUUMP2**

Polypropylene non-woven half-mask. Box of 25 pieces.
Elastic tightening with hook. Adjustable nose clip.
Foldable model (vertical fold). Without valve. Single use. Colour: white.

EN 149 (FFP2 NR)

**SINGER** **AUUMP31V**

Foldable half-mask (vertical fold).
With exhalation valve. Metal nosepiece covered with plastic.
Box of 20 pieces. Individually hygienically packed.

EN 149 (FFP1 NR D)

**SINGER** **AUUMP32V**

Foldable half-mask (vertical fold).
With exhalation valve. Metal nosepiece covered with plastic.
Box of 20 pieces. Individually hygienically packed.

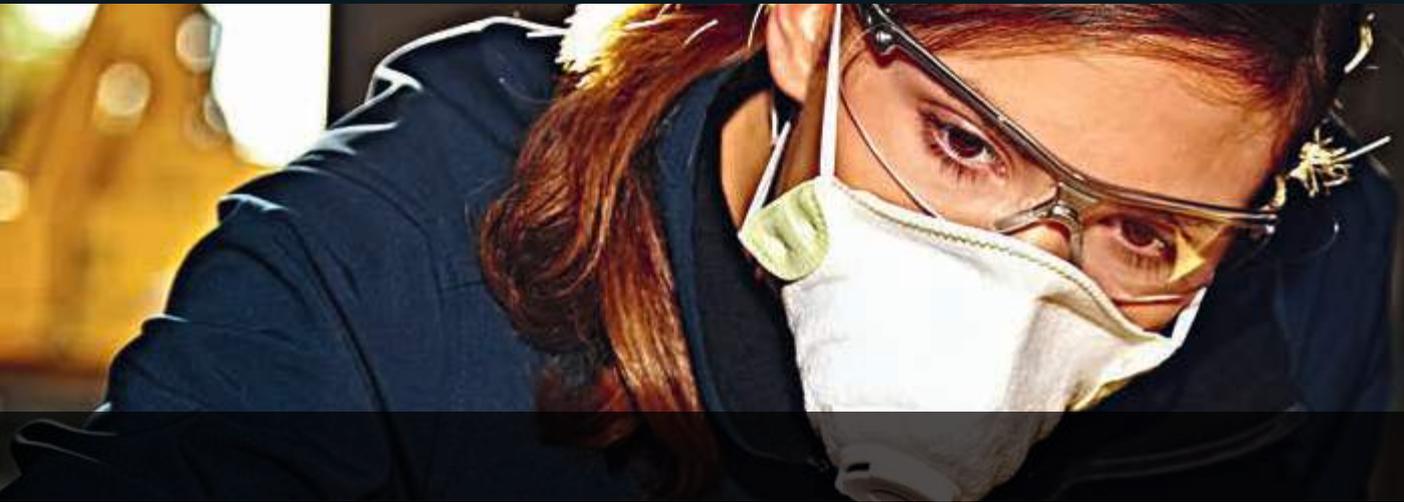
EN 149 (FFP2 NR D)

**SINGER** **AUUMP33V**

Foldable half-mask (vertical fold).
With exhalation valve. Metal nosepiece covered with plastic.
Box of 20 pieces. Individually hygienically packed.

EN 149 (FFP3 NR D)

**SINGER**



AUUM21V

Pre-shaped half-mask. Latex free, without staples.
With exhalation valve. Lining: polypropylene. Box of 10 pieces.

EN 149 (FFP1 NR D)



SINGER



AUUM22V

Pre-shaped half-mask. Latex free, without staples.
With exhalation valve. Lining: polypropylene. Box of 10 pieces.

EN 149 (FFP2 NR D)



SINGER



AUUM23V

Pre-shaped half-mask. Latex free, without staples.
With exhalation valve. Lining: polypropylene. Box of 10 pieces.

EN 149 (FFP3 NR D)



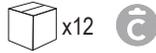
SINGER



**AUUM10SL**

Pre-shaped half-mask. Double elastic band without latex. Adjustable nosepiece.
Box of 20 pieces.

EN 149 (FFP1 NR D)

**SINGER** **AUUM10VSL**

Pre-shaped half-mask. Double elastic band without latex. With exhalation valve.
Adjustable nosepiece. Box of 10 pieces.

EN 149 (FFP1 NR D)

**SINGER** **AUUM20SL**

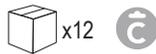
Pre-shaped half-mask. Double elastic band without latex. Adjustable nosepiece.
Box of 20 pieces.

EN 149 (FFP2 NR D)

**SINGER** **AUUM20VSL**

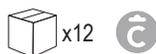
Pre-shaped half-mask. Double elastic band without latex. With exhalation valve.
Adjustable nosepiece. Box of 10 pieces.

EN 149 (FFP2 NR D)

**SINGER** **AUUM30VSL**

Pre-shaped half-mask. Double elastic band without latex. Adjustable buckles. Facial foam.
With exhalation valve. Adjustable nosepiece. Box of 5 pieces.

EN 149 (FFP3 NR D)

**SINGER**



AUUMEC10

Pre-shaped half-mask. Double elastic band. Box of 20 pieces.

EN 149 (FFP1 NR D)



AUUMEC20V

Pre-shaped half-mask. Double elastic band.

With exhalation valve. Box of 10 pieces.

EN 149 (FFP2 NR D)



AUUMEC30V

Pre-shaped half-mask. Double elastic band. With exhalation valve.

Without staples. Box of 10 pieces.

EN 149 (FFP3 NR D)





AUU4010

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



x10 6/7(S), 7/8 (M), 8/9(L),
9/10(XL), 10/11(XXL)

SINGER



[**LONG WRIST**]



AUU5000

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



x10 6/7(S), 7/8 (M),
8/9(L), 9/10(XL)

SINGER



AUU1010

Latex. AQL 1,5. Powder free. No sterile. Rolled cuff. Ambidextrous.
 Thickness: 0.14mm (*). Length: 245mm (*).
 Display box of 100 gloves.



x10 6/7(S), 7/8 (M),
8/9(L), 9/10(XL)



AUU2000

Vinyl. AQL 2,5. Lightly powdered. No sterile. Rolled cuff. Ambidextrous.
 Thickness: 0,06mm (*). Length: 240mm (*).
 Display box of 100 gloves.



x10 6/7(S), 7/8 (M),
8/9(L), 9/10(XL)



AUU3000

Polyethylene. Polybag of 100 gloves.



x100 One size only

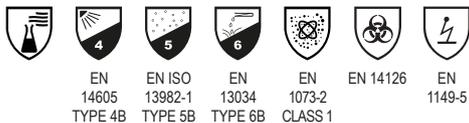


(*) Average values - (**) According to French and european standards



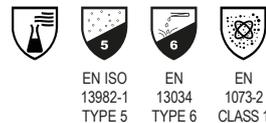
PLY600

Chemical protective coverall. MICROPOROUS polypropylene non woven fabric. 65 gsm. 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.



PLY500

Chemical protective coverall. Non-woven SMS fabric. 55 gsm. 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.



SINGER



SINGER



PLYULTI

Chemical protective coverall. MICROPOROUS polypropylene non woven fabric. 65 gsm. 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.

EN ISO 13982-1 TYPE 5B	EN 13034 TYPE 6B	EN 1073-2 CLASS 1	EN 14126	EN 1149-5	

PLY56

Chemical protective coverall. Non woven SMS fabric. 55 gsm. 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.

EN ISO 13982-1 TYPE 5	EN 13034 TYPE 6	EN 1149-5	EN 1073-2 CLASS 1	

x50 L → 3XL

SINGER

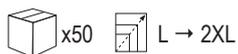
x50 M → 3XL

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



PLYCBCBLE

«Minor risk» coverall. Polypropylene non woven. 35 gsm.
2 panels hood. Front zipper. Elasticated waist, wrist and ankle.
Under individual polybag. Blue colour





KITAGRI

This kit is designed for the use of some chemicals in agricultural environment.

- 1 chemical protective coverall PLY600, size XL.
- 1 safety google EVARIO.
- 1 pair of nitrile glove NIT15, size 10.
- 1 half-mask DM756C.
- 2 filters 755A2P3.
- 1 zippered bag 35 x 45 cm.

 8x1  One size only



KITAMIANTE

This kit is designed for quick works in asbestos environment, without projection and not directly related to asbestos.

- 1 chemical protective coverall PLY500, size XL.
- 1 safety google EVAMAS.
- 1 pair of nitrile glove NIT15, size 10.
- 1 pair of overshoes AUUBOTTE2.
- 1 classic foldable half-mask AUUMP300VSL (FFP3 NR D).
- 1 scotch tape roll 5 x 330 cm.
- 1 waste bag with marking «ASBESTOS», 90 x 110 cm.

 8x1  One size only



AUUTABLIER

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



 x10  One size only





PLYBLOUSE

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



 x50  L → 2XL



**AUUMTE**

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

**AUUMTEBLE**

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

**AUUCHA**

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

**AUUCHA2**

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

**AUUBOTTE**

Clear single use polyethylene bootcover.
Elasticated ankle. Per 500 pieces.

**AUUBOTTE2**

Polypropylene single use bootcover. Anti-slip PVC sole. White color.
Elastic ankle. Per 500 pieces.



AUUMASQUE

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



AUUCRTBLAN

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



AUUCRTCLIP

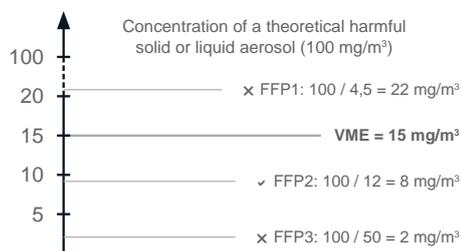
Non woven polypropylene clip round cap with elastic. White colour.
Polybag of 100 pieces.



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

EN 149 - FIELD OF USE

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



In this situation, FFP2 mask is the most suitable. FFP1 mask doesn't provide enough protection while the FFP3 mask overprotects the user. MAC = Maximum Admissible Concentration. This is the limit value of a gas or a dust (in ppm or mg/m³) that a person can be exposed during a working day (8h/day) throughout all his professional life, without risk for his health. APF = Assigned Protection Factor.

EN 149 - USE DURATION

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

EN 943, EN 14605, EN ISO 13982, EN 13034 AGAINST CHEMICALS

	Type 1	Gaz tight.
	Type 2	Non gaz tight.
	Type 3	Liquid tight connections.
	Type 4	Spray-tight connections.
	Type 5	Protection to the full body against airborne solid particulates.
	Type 6	Limited protection against liquid chemicals.

EN 14126 - AGAINST INFECTIVE AGENTS

	Performance requirements and tests methods for protective clothing against infective agents.
--	--

EN 1073-2 - AGAINST RADIOACTIVE CONTAMINATION

	Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination.
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EN 1149-5 - ELECTROSTATIC PROPERTIES

	Electrostatic properties, part 5. Material performance and design requirements.
--	---

EN 374 - AGAINST CHEMICALS

	Type A	Breakthrough time ≥ 30 min for at least 6 chemicals of the list (see below)	
	Type B	Breakthrough time ≥ 30 min for at least 3 chemicals of the list (see below)	
	Type C	Breakthrough time ≥ 10 min for at least 1 chemical of the list (see below)	
A	Methanol	67-56-1	Primary alcohol
B	Acetone	67-64-1	Ketone
C	Acetonitrile	75-05-8	Nitrile composite
D	Dichloromethane	75-09-2	Chlorinated hydrocarbon
E	Carbone Disulphide	75-15-0	Organic compound containing Sulphur
F	Toluene	108-88-3	Aromatic hydrocarbon
G	Diethylamine	109-89-7	Amine
H	Tetrahydrofuranne	109-99-9	Heterocyclic Ether
I	Ethyl acetate	141-78-6	Ester
J	n-Heptane	142-82-5	Saturated Hydrocarbon
K	Sodium hydroxide 40%	1310-73-2	Inorganic base
L	Sulphuric acid 96%	7664-93-9	Inorganic mineral acid, oxidising
M	nitric acid (65% ± 3) %	7697-37-2	Inorganic mineral acid
N	acetic acid (99% ± 1) %	64-19-7	Organic acid
O	ammonia 25%	1336-21-6	Organic base
P	hydrogen peroxid 30%	7722-84-1	Peroxide
S	hydrofluoric acid 40%	7664-39-3	Inorganic mineral acid
T	formaldehyde 37%	50-00-0	Aldehyde
	Class 1	Breakthrough time: > 10 minutes	
	Class 2	Breakthrough time: > 30 minutes	
	Class 3	Breakthrough time: > 60 minutes	
	Class 4	Breakthrough time: > 120 minutes	
	Class 5	Breakthrough time: > 240 minutes	
	Class 6	Breakthrough time: > 480 minutes	

EN 374-5 - AGAINST MICRO-ORGANISMS

	Protection against bacteria and fungi
	VIRUS = with additional permeation test to virus (ISO16604)

EN ISO 11611/
2015



CLASSE 1
A1+A2

EN ISO 11612
2015



A1A2B1C1



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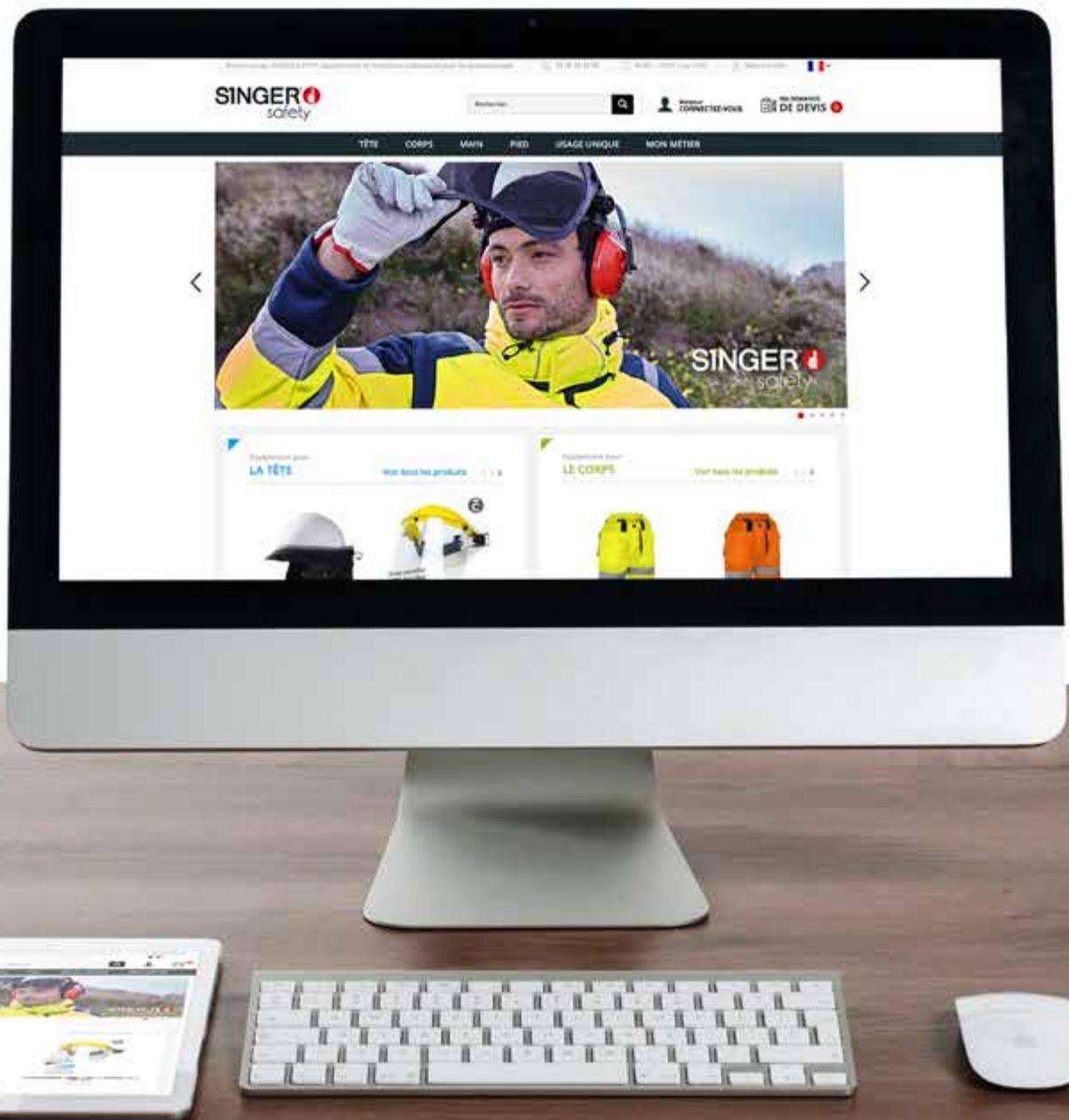
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4. – Acceptance

4.1 – Without prejudice to the claims You must make directly against the carrier within the timeframe imposed by law, complaints concerning apparent defects or non-conformities affecting the products delivered compared to those ordered must be made by registered letter (with acknowledgement of receipt) within EIGHT (8) days of delivery. Complaints made after this time limit will be out of time and will be rejected. **4.2** – You must produce proof of the defects or issues observed. **4.3** – You must allow Us to record these defects or issues and to resolve them if possible. **4.4** – You must refrain from taking any action to resolve them yourself and from appointing a third party to do so. Otherwise, no further complaints may be made against Us.

5. – Returns / Procedure

5.1 – Returns must be formally agreed in advance between You and Us. **5.2** – Any product that is returned without such agreement will be available to You for THREE (3) months on our premises and no credit note will be issued in respect of such product. Once this timeframe has expired, any product that has not been collected will be deemed abandoned by You and We may freely dispose thereof at our discretion, without being required to pay any form of compensation. **5.3** – You are liable for the expense and risk of returning products, except in the event of a delivery issue attributable to Us. **5.4** – Any product that is returned after the strict timeframe of EIGHT (8) days from the delivery date will be rejected.

6. – Returns / Consequences

6.1 – We will issue a credit note to You for any product return that is accepted by Us, once We have checked the quality and quantity of the product(s) returned. **6.2** – You are entitled to a refund or to the free replacement of any non-conforming product or product containing an apparent defect which We duly acknowledge in accordance with Clause 4, to the exclusion of any other compensation.

7. – Warranties / Scope

7.1 – Our products are covered by a warranty, as required by law and within the limit of the manufacturer's warranty, for any material or manufacturing defect for FIFTEEN (15) days from the delivery date. **7.2** – Initially, You must return any product for which a claim is made under the warranty to Us. **7.3** – Under this warranty, We undertake to replace or repair any product or component which We acknowledge to be faulty. We will not be liable under any circumstances for any indirect or consequential damage or loss, any damage or loss due to a delivery delay, any missing or damaged product, any damage or loss suffered on account of a product not meeting your requirements, or any damage or loss beyond our control. If We are nevertheless found liable for the non-fulfilment or inadequate fulfilment of a sale, it is expressly agreed that our liability will be limited to the price of the product that caused the damage or loss. **7.4** – Warranty work will not extend the warranty period or constitute grounds on which to withhold payment of the corresponding invoice or any other invoice pending, which must be paid on the specified dates. **7.5** – Notices for the products We sell are provided in French or other languages, depending on the versions issued by the manufacturer, and no claim made by You against Us on this basis will be accepted.

8. – Warranty / Exclusions

8.1 – The warranty does not cover defects caused by: ordinary wear and tear / inadequate maintenance or inappropriate use / a product alteration not anticipated or specified by Us or incorrect assembly / an accident of external origin or a defect caused by force majeure / inappropriate storage by You. **8.2** – Similarly, it is expressly agreed that the warranty provided under Clause 7 does not cover apparent defects. You must comply with Clause 4 in relation to any apparent defect. **8.3** – We do not offer the warranty introduced under the French Act of 19 May 1998 for faulty products. You therefore agree not to make any liability claim against Us on this basis, either directly or by making a warranty claim.

9. – Prices / Payment terms / Penalties

9.1 – Our prices are those applicable on the order date and exclude VAT. Our special terms and conditions stipulate our prices and whether they are fixed or liable to be revised. **9.2** – Invoices must be paid to our registered office: **9.2.1** – Within EIGHT (8) days of the invoice date, less a discount of 0.5% where applicable, by cheque or bank transfer. **9.2.2** – Within a timeframe agreed between You and Us, according to Article L. 441-6 of the French Commercial Code and the LME Act of 4 August 2008 for amounts due by the end of the month that falls FORTY-FIVE (45) days after the invoice date or within SIXTY (60) days of the invoice date: **9.2.2.1** – In the form of an accepted bill issued by Us, within EIGHT (8) days of the date thereof, without any discount. **9.2.2.2** – In the form of a promissory note issued by You within EIGHT (8) days of the invoice date, without any discount. **9.2.2.3** – By cheque or bank transfer. **9.3** – If any amount is not paid in full on the due date, all other amounts shall fall due immediately, even if a bill has been issued for any such amount. If payment is made in the form of a commercial paper and if the paper is not returned, it will be deemed to have been declined and will constitute a payment default. **9.4** – Furthermore, pursuant to Article L. 441 of the French Commercial Code, You will be liable for the following in connection with any amount (including VAT) that is not paid on the due date: **9.4.1** – A penalty charged at three times the statutory interest rate on the full amount outstanding. **9.4.2** – A fixed debt collection charge of FORTY (40) euros per invoice, notwithstanding any additional compensation. Penalties and fixed charges shall be due automatically, without the need to issue a reminder. **9.5** – If your financial position deteriorates, We reserve the right, even after dispatching part of an order, to ask You to produce guarantees that are deemed suitable to fulfil your existing or future commitments. If You refuse to do so, We reserve the right to cancel the whole or part of any order or contract in progress. **9.6** – You are liable for the foreign exchange risk. The sums owed by You must not be set off by any means against any sums to which You claim to be entitled.

10. – Force majeure

Force majeure and fortuitous events are deemed to include events which are beyond the parties' control, which neither party could reasonably be expected to foresee, which neither party could have avoided or overcome and which renders performance of their obligations impossible. The following in particular shall be deemed force majeure or fortuitous events which will release Us from our obligation to deliver within the initial timeframes: lock-outs, strikes by some or all of our staff, suppliers or carriers, fire, natural disasters, war, production stoppages, the impossibility to procure supplies of raw materials, epidemics, weight limits during thaw conditions, road blocks, strikes, power outages and supply shortages, on the understanding that this list is not exhaustive. In such circumstances, We will notify You by any written means, notably by fax or e-mail, within SEVENTY-TWO (72) hours of the date of occurrence of the relevant event and this contract will be automatically suspended without compensation on the date of occurrence of the event. Should an event persist for more than THIRTY (30) days from the date it occurs, the sales contract between You and Us may be terminated by the first party to act, without either party being entitled to claim any damages. Termination shall take effect on the date of the first attempted delivery of the registered letter (with acknowledgement of receipt) terminating the sales contract.

11. – Automatic rescission

The sale will be rescinded if You breach any of your obligations, without prejudice to any damages, surcharges and penalties which We might claim, if formal notice to perform remains without effect for FORTY-EIGHT (48) hours after sending.

12. – Dispute resolution / Applicable law

12.1 – The Commercial Court of Dunkerque will have exclusive jurisdiction to hear and decide any dispute that arises in connection with the performance and/or interpretation of these general terms and conditions and which cannot be amicably resolved, even if any of your letters, invoices or other documents state otherwise and even if a third party is joined to the proceedings or there is more than one defendant. Simply by placing an order or accepting an order confirmation, You are deemed to have accepted these terms and conditions. **12.2** – Any matter concerning these general terms and conditions of sale and the sales they govern which is not addressed herein shall be governed by French law, to the exclusion of any other law, and by the Vienna Convention on Contracts for the International Sale of Goods. **12.3** – No tolerance by Us in relation to these terms and conditions – regardless of the frequency or duration thereof – should ever be construed as an amendment or deletion of these terms and conditions or as generating any right of any kind. Should any clause of these general terms and conditions be null and void, this shall not affect the other general terms and conditions.

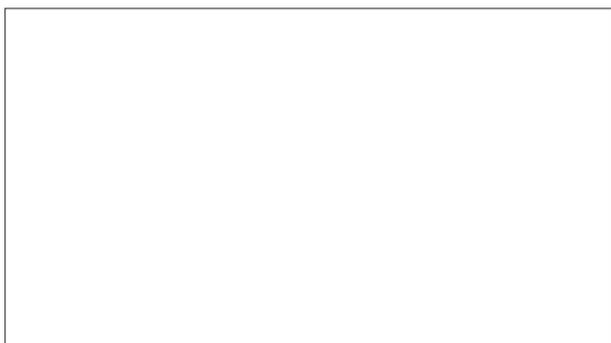
13. – Retention of title

13.1 – Pursuant to the French Act of 12 May 1980 and Article L. 624-16 of the French Commercial Code, the seller shall retain ownership of the products sold until such time as the price thereof (principal and ancillary charges) has been paid in full. Any clause to the contrary, particularly a clause included in the general terms and conditions of purchase, shall be deemed never to have been written. It is expressly agreed that We may enforce our rights under this retention of title clause in relation to any amount owed to Us, in respect of all of the products in your possession, which will contractually be considered as unpaid, and We may therefore retrieve those products or claim them as damages for the invoices still owing to Us, without prejudice to our right to terminate sales in progress. **13.2** – We may reclaim any products that are not paid for in full. Delivery of a document creating an obligation to pay, such as a bill of exchange or promissory note, shall not be deemed to constitute payment. These provisions do not preclude the transfer to You, upon delivery (ex works at our stores or warehouses) of the risks inherent in the products sold and any damage or loss caused by our products. **13.3** – You may resell or alter the products We deliver to You for business purposes. Should any products be sold to a third party in good faith, the right of recovery shall apply to the price received by You.

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