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# PERSONAL PROTECTIVE EQUIPMENT

## HEAD PROTECTION-HELMETS

Helmets are headgear with a cup form, generally made of a plastic and resistant material (thermoplastic polycarbonate) or reinforced (glass fiber) or metallic (aluminium or another light alloy) used in order to protect the head from the impact and from the fall of objects.

They are fated to protect the parietal zones, the top of the head and the nape, so the part of the head included above an horizontal baseline plane (basic-plane) delimited by lines which join the auditory external duct with the lower board of the orbit. The degree of protection that helmets can offer is conditioned, on the one hand, by physiological constraints of tolerability of stress impact, and on the other hand by the difficulty of technical order connected to the realization of a means which must have at the same time an adequate mechanical strenght, an high damping capacity and a not elevated weight.

The main characteristics that helmets must have are:

- 1) impacts absorbtion
- 2) perforation resistance
- 3) rain and sunlights resistance
- 4) fire resistance
- 5) dielectric properties (perforation tension not less than 10 kV).

### **Law EN 397: Protective helmets for industries**

The law EN397, related to "protective helmets for industries", requires the following for the marking:

Every helmet must have a printed or embossed mark with the following indications :

- a) the number of the present european law, b) the name or brand of the manufacturer ,
- c) the year and quarter of manufacture, d) the type of helmet, e) the size or size scale

Further informations, such as instructions or recommendations of regulation, assembly, use, wash, disinfection, maintenance and storage, are specified in the leaflet of use.

### **Law EN 812: Shockproof helmet**

The law EN812 regard shockproof helmets current using in the industry in order to protect the head when it impacts on heavy objects which can cause tears or other superficial scares or stun the person who is wearing it. They are mainly fated to users who work internally. A shockproof helmet does not protect from the fall of objects and in no way it must substitute i protective helmet for industry governed by the law EN397.

### **Law EN 443: Helmets for firefighters prEN443**

Category: Technical clothing for protection and kit for firefighter

This law specifies the characteristics required for protective helmets used for medical emergency services and for the fight against fire and it determines test methods which allow us to verify these characteristics.

### **Law: EN 14458: 2004**

"Faceshields and visors for use with firefighters' and high performance industrial safety helmets used by firefighters, ambulance and emergency services."

- Optic class1 • Visor for use with firefighters • UV protection: 3-1 2 for neutral screens/ 2-4 for mirrored gold screens
- Extreme temperatures: - 40 ° 120° • Resistance to extreme temperatures to high speed particles: (AT)
- Resistance to abrasion: (K) • Resistance to tarnish: (N) • Electrical properties: (Q)
- Only for mirrored gold visors: • Infrared protection (4-5) • Increased reflection IR: R
- Higher ability to recognise colours: (4C)

## CENTURION HELMETS

Characteristics:

High-density polyethylen helmets, adjustable internal harness in polyethylene low density with sewat bar in synthetic sponge. Electrical isolation up to 440 Volt. Prepared for the instertion of headsets and visors (not included).

Minimum package: 1 piece for each colour.

One size (adjustable).  
EN 397.



CODE	COLOUR	PRICE
6214	White	€ 20,83
6215	Red	€ 20,83
6216	Yellow	€ 20,83
7340	Light blue	€ 20,83
7341	Orange	€ 20,83
6017	Double-chin accessory	€ 9,27

## HARNESS AND VISORS FOR CENTURION HELMETS

Harness characteristics:

Complete with connettors for art. 6098, 6099, 6225.

Minimum package: 1 piece.

Code	Law	Descr.	Characteristics	Price
6224	EN 166	Harness	-	€ 53,19
7709	EN 175	Visor	for wilders complete with connectors for helmets prepared for adiactinic glass	€ 147,82
6098	EN 166	Visor	Colourless in polycarbonate 225mm to apply to 6224	€ 45,76
6099	EN 166	Visor	Green in acetate 225mm to apply to 6224	€ 113,04
6225	EN 166	Visor	Colourless in laminated triacetate, resistant to radiant heat, 225mm to apply to 6224	€ 89,10



### CENTURION VULCAN HELMETS

**Characteristics:**

Glass fibres helmet, adjustable harness fabric of terylene with sewat bar in synthetic sponge.  
Electrical isolation up to 440 V. Prepared for the instertion of headsets and visors (not included) suitable for use with intense radiant heat.

Minimum package: 1 piece for each colour.  
One size (adjustable).  
EN 397.



CODE	COLOUR	PRICE
6223	White	€ 130,50
7342	Yellow	€ 130,50

### CENTURION VISION HELMET WITH RETRACTABLE VISOR

**Characteristics:**

Helmet in ABS, adjustable harness fabric of terylene with sewat bar in synthetic sponge.  
Electrical isolation up to 1000V.  
Retractable visor. Prepared for the instertion of headsets (not included).

Minimum package: 1 piece.  
One size (adjustable).  
EN 397.



CODE	COLOUR	PRICE
6270	Blue	€ 88,78
10604	Red	€ 88,78
7710	Visor 's spare part	€ 24,48

### CENTURION HELMET FOR SCAFFOLDS

**Characteristics:**

Helmet in polyethylen with high density and short peak for a better vision upward, textile harness "rock climber type" ideal for working in terms of height with harness. This helmet is recommended for jobs on scaffolds.

Minimum package: 1 piece.  
One size (adjustable)  
EN 397.

CODE	COLOUR	PRICE
7773	White	€ 49,14
7774	Yellow	€ 49,14



### CENTURION LUMBERJACK HELMET COMPLETE



**Characteristics:**

Helmet EN 397 with internal harness completely adjustable, in terylene with sewat bar in synthetic sponge, electrical isolation 440 Volt.  
Headset EN 352 complete with connectors. Forest visor EN 1731 in nylon mesh.

CODE	PRICE
7708	€ 220,63

Minimum package: 1 piece.  
One size (adjustable).

EN 397 - EN352.  
Colour: Orange.

### SAHARIANA ARAMID

Characteristics: Sahariana for nape protection, applicable to a cap velcro system, realized with a permanent fireproof fabric. The sahariana is removable and washable.

CODE	PRICE
6031	€ 24,97

Fabric: 100% aramid  
of 185 gr/mq (red).  
Equipment for  
fireproof wooded (AIB).

Minimum package: \_  
1 piece.  
One size.



### PICCHIO HELMET AIB

Characteristics:

A injection-moulded cap in self-extinguishing polycarbonate, with anti-scratch glazing electroerosion. Internal top in expanded polystyrene with ventilation ducts to favour the circulation of the air inside the cap. Internal padding, which cover the top, in Coolmax® fabric with a mesh corresponding to the ventilation ducts. The padding is removable and washable. A band around the head has ventilation holes, fixed in 4 parts with clip, covered with Coolmax® fabric. The band is removable and washable. A rapid system of regulation cuts with a self-locking wheel/rack mechanism, placed on the back of the helmet. The wheel for the girth regulation is covered with non-slip material with a contrasting colour (red). The strap is realised with a fireproof tape fixed in 4 parts with clip, crossed backwards, with 2 lateral retractors (for the regulation of the side balancing of the strap) and a regulator with the same length of the chinstrap, with a safety quick release buckle, with an anatomical curved form and with a contrasting colour (red) realised in nylon and injection-moulded. The chinstrap protection is in Coolmax® fabric. The strap and the chinstrap are removable and washable. There is a retractable attack which is necessary for the transport to the belt, fixed in the background with a metallic antirust rivet, made up of a flexible and combined system. The cap has a ventilation system with a very strong efficiency, formed by 10 slits for a total of over 21 cm 2), with interposition of flameproof and sparkproof grates stainless-steel. The slots create a draft able to aspirate the heat which is accumulated inside and to expel it quickly. The cap is outstretched with 24 slots to favour heat and smoke evacuation which are eventually trapped inside the visor. Predisposition for sahariana with adhesive velcro applied in the lateral and back part. Predisposition for a quick coupling of the visor, formed by 2 pawls made of nylon and injection-moulded with an easy and quick coupling/uncoupling. Predisposition for the application of frontal lamps with flexible band, formed by 4 external clip in nylon and injection-moulded. Predisposition for the application of the frontal lamp (with retention velcro system) formed by 2 anterior slits covered by corks in Nylon and injection-moulded. Predisposition for the application of interconnected hearing protection devices with a specific bayonet fitting (Peltor system), suitable for the majority of the anti-noise headsets in the market.



Standard rules: EN 397:2012 - EN 12492:2012 - EN 14362-1:2012  
- EN 443:1997 - EN 13688:2013

Optional requirements:

- Lateral deformation: LD;
- Fire resistance: 29 seconds;
- Period of post-combustion: 0 seconds.

Use: protective helmet for operation in forest  
fire and civil protection.

Minimum package: 1 piece.  
One size (adjustable).

CODE	COLOUR	PRICE
6033	Red	€ 264,60
8945	Orange	€ 264,60

Certification: The helmet is a D.P.I. of III category and it is certified CE in accordance with directive 89/686/CEE and D. L.vo 475/92 by the Notificated Organism CEE n. 0497.

### VISOR FOR PICCHIO HELMET

Characteristics: polycarbonate colourless visor, thermoformed, with a thickness of mm. 2, with the anti-scratch treatment in the external part and the fogproof in the internal one. The visor is adjustable with a click in 3 positions and it can be put upside down. This particular characteristic allows a notable reduction of volume in case of operation in a helicopter or when the helmet must be place in backpack.

Reference standards: UNI EN 166.

- Optical class: 2
- Mechanical Resistance: B
- Molten and burning metal protection: 9
- Abrasion Resistance: K
- Resistance to fogging: N

Optional requirements: UNI EN  
443. Fire resistance: 60sec.

Equipment for forest fire-  
fighting (AIB).

Minimum package: 1 piece.

CODE
6192
PRICE
€ 68,85



Certification: The helmet is a D.P.I. of III category and it is certified CE in accordance with directive 89/686/CEE and D. L.vo 475/92 by the Notificated Organism CEE n. 0497.



### HELMET FOR FIRE-FIGHTING WORKER

#### PERFORMANCE

- Extreme temperatures resistance. (FLASH OVER OF 10 SECONDS UP TO 1000° C)
- Long resistance at high temperatures ( Until at 250°C/ 30 Min, with heating calor test of 14 KW/M2)
- High resistance to the mechanical impact.

#### SAFETY

- Capacity of electrical isolation E2
- Effective visibility achieve thanks to the refractive tape for a optimal use in specific conditions.
- Lach chin strip in Nomex 3 (test in order to prevent skin irritations)

#### COMFORT

- Indoor highly adactable from the external.
- Integrated adaptation system (52-64 Cm)
- Botton "push to release" in order to release quickly the interior adaptation
- Wide variety of accessories.

#### COMFORT

- Polymer of high technology.
- External visor covered with scratchproof and foggy.
- Doble visor visiera/internal goggles with scratchproof and foggy.

#### CERTIFICATE

- Approved MED • EN 443:2008
- EN 14458:2004 • EN 166 e En 14458



Minimum package: 1 Piece

CODE	COLOUR	PRICE
10635	Red	€ 507,00

### HELMET FOR WORKING IN HEIGHT

#### Characteristic:

Helmet fir working in heigh in poypropylene with cotton facing tota adjustable and good air circulation to reduce the formation of humi  
Benefit: protect against impacts above from the top and sides.

Comfortable fabric on the head and adjustable harness under the

Equipped with attachment point for headlamp.

Compliant EN397 and En 50365

Minimum package: 1 Piece.

CODE	COLOUR	PRICE
10917	Red	€ 269,65



### PROTECTIVE HELMET FOR INDUSTRY

#### Characteristic:

Spherical cap made of dielectric thermoplastic material.  
Harness with six docking points height adjustable.  
Rack regulation system - unisex from 52 to 65.  
Chin strap equipped of adjustable system in Velcro.  
Comfort made of trasparent material coolmax easily that can be dissembled for cleaning and substitution.  
Visor certificates EN 166:2004 " Personal eyes protection. Specific"

#### Use:

Protection from electricity  
Public assistance activity  
Industrail activity  
Construction industry

Compliant: EN 397:2001  
- CEI EN 50365

Minimum package: 1 Piece.

CODE	COLOUR	PRICE
7882	White	€ 180,00



### ANTI-HARDSHIP NORMATIVE EYES PROTECTION

Glasses, together with screens and visors, are the most important personal protective equipment (DPI) eyes against the mechanic risk (dusts, shavings, spinters), optic (UV and IR rays, laser), chemical (vapors, mists and fumes, acid and alkaline solution) and thermal (cold can cause protracted tearing, heat can cause inflammation or burns), generally between them variously associate the most in the workplace (welding, phototypesetting, laboratory, metal and wood industry in particular).

Screens are generally use for welding works or near incandescent masses for short periods, hand-carried by the same worker or, if are fix, they are they are positioned in front of the piece to work on. Visors, more comfortable than screens, are generally integrated by a protection helmet and lowered in case of work at risk. Visors and creens protect, more than eyes; also the operator's face.

#### EN 166 rule:

EN166 rule is applicable to all types of individual eye protectors, use against the different danger that can damage eye or adulterate visual exception of nuclear radiation, X-ray, laser and infrared (R) emissions emitted from sources at low temperatures. This rule specifications do not apply to the eyes protectors for which exist separate and complete rules, the antelaser eye protector, generic sunglasses etc ... Eye protectors with corrective lenses are not excluded from the application environment.

#### EN 169 rule:

EN169 rule gives the scale numbers and transmission indications of the filters intended to ensure the operators's protection carrying out welding, braze welding, arc welding and plasma jet cutting. Others necessities applicable for this type of filter they are specified in EN166. The indications for welding filters with a variable protection scale or with a double protection scale are the subject of EN379.

#### EN 175 rule:

EN175 rule specific the the safety requirements and test methods related to personal protective equipment use to protect user eyes and face against harmful rays and against other specific risks due to welding, cutting or other related techniques.

This standard specifies protection, including ergonomic aspects, against risks or hazards of different kinds:

- radiation            - flammability            - mechanic risks            - electric risks

The device is designed to adapt the filters with or without colorless protective lenses, according to the recommendations of the manufacturer of the protective device for welding operations, in accordance with EN166, EN169 or EN379.

Europee rules	Meaning of marking on the frame	Meaning of the marking in the lens
Principal rules: EN166 Basic request EN167 Methods for optic test EN168 Methods for no optic test	B-D e D Manufacturer identification 166 N° of rule xxx Field of work 3 = liquids: drop and spray 4 =solid and coarse particle 5 = gas, solid thin particle: gas, vapors, fumes 8 = electric arc of short circuit 9 = molten metals and incandescent solids (spalshes of molten metals and incandescent solid)	3 First written number: indicate the type of protection: 2 e 3 = UV; 4 = IR; 5 e 6 = solar radiation 1.2 Protection level refers to the first number B-D Manufacturer identification
Rules for filter type EN169 Welding filter EN170 UV filter EN171 IR filter EN172 Solar filter for an industrial use EN175 Eyes safety device for welding EN379 Welding automatic filter	F/B/A Impact resistance T Resistance against the particle at high speed or extreme temperatures (from -5°C to +55°C). According to the degree of impact	1/2/3 Optical class (1=continuous use; 3= occasional use) S/F/B/A Resistance to impact 8 Resistance to the electric short circuit arc 9 Resistance to molten metals and incandescent solids K Resistance to abrasion N Resistance to mists

### POLYSAFE SERIES GLASSES



#### CHARACTERISTIC E ADAVANTAGE

Glasses particularly suitable for visitors, which offers a wide field of vision.

One-piece glasses in polycarbonate with integral side guards and profiled nosepiece.

Special anti-scratch treatment on both sides of the lens for longer product life.

Indirect ventilation to avoid.

Extremity of the perforated rods of the use of a safety lanyard.

Minimum package: 1 Piece.

CODE	APPLICATION	TREATMENT	LENS	LENS BRANDING	PRICE
10401	Internal	Scratchproof	Colorless	2C-1.2 1F	€ 10,35

### SANTA CRUZ SERIES GLASSES



#### CHARACTERISTIC E ADAVANTAGE

Classic style.

Lens with very wide field of view.

Design ultralight.

Sides adjustable for a good adaptability.

Minimum package: 1 Piece.

CODE	APPLICATION	TREATMENT	LENS	LENS BRANDING	PRICE
10402	Internal	Scratchproof	Colorless	2C-1.2 B-D 1F	€ 18,19

### LG 10 SERIES GLASSES



#### CHARACTERISTIC E ADAVANTAGE

Cheap mask glasses.

Adjustable harness easily to satisfy the demands of an ample range of workers..

Weight: light, for a optimal comfort (from 75 to 79 g).

Minimum package: 1 Piece.

CODE	APPLICATION	TREATMENT	LENS	LENS BRANDING	PRICE
10403	Internal	-	Pc Colorless	B	€ 4,54

### MILLENNIA SERIES GLASSES

#### CHARACTERISTIC AND ADVANTAGE:

Simplicity and convenience create a perfect mix of style and performance. The comfortable and enveloping one-piece light offers exceptional coverage.

Includes an easily detachable adjustable lanyard for added comfort safety and practicality. FlexiCord adjustable lanyard supplied.

Minimum package: 1 piece.



CODE	APPLICATION	TRATTAMENTO	LENS	LENS BRANDING	PRICE
6321	Internal	Fog. - Ban.	Colorless	2-1.2 B-D 1F	€ 26,14
10918	Solar light (Little In.)	Scratchproof	Grey TSR	5-2.5 B-D 1FK	€ 23,76
10919	Low visibility	Scratchproof	Yellow hdr	2-1.2 B-D 1FK	€ 23,76
10920	Interior and exterior	Scratchproof	Silver I/O	5-1.7 B-D 1F	€ 26,40
10921	Solar light (High In.)	Scratchproof	Silver mirror	5-3.1 B-D 1F	€ 26,40
10922	Welding	Scratchproof	IR 3	3.0 B-D 1F	€ 23,76
10923	Welding/Foundry	Scratchproof	IR 5	5 B-D 1F	€ 23,76

### V-MAXX SERIES GLASSES

#### CHARACTERISTICS AND ADVANTAGES:

A sportive line with high expectations. .

They can perfectly replace sight glasses, and you can match them with semi-masks. . Indirectly ventilation and splash protection. .

Polycarbonate lens (PC).

Harness fittings rotate in order to facilitate the combined use of protective helmets.

High versatility.

Slim and embracing model with 180 degree field of view.

Available and exchangeable lens cap, so that lens has an higher duration.

Minimum package: 1 piece.



CODE	APPLICATION	TREATMENT	LENS	LENS BRANDING	PRICE
6100	Internal	Scratchproof/Fog-Ban	PC Colourless	2 - 1.2 D1B 9	€ 18,53
6081	Internal	Scratchproof	PC Colourless	2 - 1.2 D1B 9	€ 18,53
6325	Welding/Foundry	Scratchproof	PC IR 5	5 B-D 1B 9	€ 29,89

### AMIGO SERIES GLASSES

#### CHARACTERISTICS AND ADVANTAGES:

Glasses with mask form for welding with overturning lenses.

Soft branding in vinyl.

Lenses Xantos DIN 5.0, with 50 mm diameter.

Minimum package: 1 piece.



CODE	LENS	LENS BRANDING	PRICE
4662	Xantos 5	5 N 1 S	€ 29,55



Polypropylene semi-cap that gives a complete frontal protection.

It is comfortably wearble for long periodes thanks to its extremely contained weight.

Frontal protection and screen breadth assure protection also against chemical splashes, and impact B resistance.

Exchangable screens, available in acetate or polycarbonate.

Minimum package: 1 piece.

#### CLEARWAYS VISORS AND SCREENS



CODE	DESCRIPTION	FIELD OF USE	BRANDING	PRICE CAD.
6322	Semi-cap with flexible harness	Mechanical work	D.3.B	€ 23,00
6323	Polycarbonate and colourless screen	Mechanical work	D.1.B.3	€ 19,66
6324	Acetate and colourless screen	Splashes of chemical substances	D.1.F.3	€ 23,76



#### SP 1000 SERIES GLASSES

##### CHARACTERISTICS AND ADVANTAGES:

##### Exceptional performances

They give an excellent protection, against impacts, wind, dust and slags.

Lenses treatment which involve the best cladding technologies: anti-flog in the internal part and scratch proof in the external, to have a 3 times longer lifetime.

Versatile model, it can be used with sides or elastic band. (both included in the package)

Minimum package: 1 piece.



CODE	APPLICATION	TREATMENT	LENS	LENS BRANDING	PRICE
10924	Internal	*Dura-streme	Colourless	2C - 1.2 B-D 1FT KN	€ 40,82

### SUPERVIZOR - SEMICAP

#### CHARACTERISTICS AND ADVANTAGES:

It is compatible with a wide range of safety helmets, the fixing method is safe and it can be replaced easily.

Facial protection included: versions with optional chinstrap for extra protection.

The screen is shaped in the extremities to follow the face's profile and to permit the free movement of the head.

Screens are overturning , with the possibility of locking in a position.

Wide range of screen for every risk: mechanical, chemical, thermal, exc.

Minimum package: 10 pieces for product in page 10 and 11 except for 9100 code.

SB600



SA660



SA66



SA66M



CODE	NAME	TREATMENT	WEIGHT	BRANDING	PRICE CAD.
10925	SB600	Semicap with regulation and rack	120 g	D.166.3.F	€ 49,46
9101	SA660	Support for helmet screen in PC	125 g	D.166.8.F	€ 46,01
10926	SA66	Support for helmet screen in anodized aluminium	110 g	D.166.3.B	€ 56,92
10927	SA66M	Support for helmet screen in teflon aluminium	110 g	D.166.3.9.B	€ 62,21

### SUPERVIZOR - POLYCARBONATE SCREENS

#### ELEVATA RESISTENZA AGLI IMPATTI

CODE	NAME	NAME	APPLICATION	BRANDING	PRICE CAD.
10928	SV9PC	Polycarbonate and colourless screen (230 mm)	Mechanical work	D.1.B.3.9	€ 31,10
10929	SV9PCH	Polycarbonate and colourless screen with scratchproof treatment (230 mm)		D.1.B.3.9.K	€ 52,16
10930	SV9PC/CG	Polycarbonate and colourless screen which can be coupled with chinstrap (200 mm)		D.1.B.3.9	€ 35,86
10931	SV9PG	Green, graduation 1.7 (230 mm) (not appropriate for welding)	Clothing (UV)	3-1.7.D.1.B.3.9	€ 45,47
9100	SV9PGFH	Polycarbonate screen with gold coating and with scratchproof treatment (230 Mm)	Radiant heat from molten metals	4-5.D.1.B.3.9.K 3-5.D.1.B.3.9.K	€ 334,80

### SUPERVIZOR - TRIACETATE SCREENS

#### BETTER RESISTANCE TO CHEMICAL PRODUCTS, SCRATCHES AND HEAT

CODE	NAME	NAME	APPLICATION	BRANDING	PRICE CAD.
10932	SV9TC	Triacetate and colourless screen (200 mm)	Sprays of chemical substances	D.1.F.3.9	€ 44,50
10933	SV9TC3WP	Triacetate and colourless/green screen with 3 graduation (200 mm)	Molten metals	BS 2092 - 2CM	€ 114,48
10934	SV9TC5WP	Triacetate and colourless/green screen with 5 graduation (200 mm)			€ 120,74

### SUPERVIZOR - ACETATE SCREENS

#### BETTER RESISTANCE TO CHEMICAL SUBSTANCES AND SCRATCHES

CODE	NAME	NAME	APPLICATION	BRANDING	PRICE CAD.
10935	SV9AC	Acetate and colourless screen (200 mm)	Sprays of chemical substances	D.1.F.3	€ 36,29
10936	SV9AC/CG	Acetate and colourless screen which can be coupled with chinstrap (200 mm)			€ 42,12
10937	SV9A3W	Acetate green, 3 graduation (200 mm)	Welding	3.D.1.F.3	€ 74,52
10938	SV9A5W	Acetate green, 5 graduation (200 mm)		5.D.1.F.3	€ 78,41
10939	SV9EK	Acetate and colourless screen (can be coupled with SA660 e SB600)	Protection against electric arcs	3-1,2.D.1.F.3.8	€ 42,34

### SUPERVIZOR - METALLIC MESH SCREEN

CODE	NAME	NAME	APPLICATION	BRANDING	PRICE CAD.
10940	SAM9	Metallic mesh screen which can be only coupled with SA66M	Foundry	-	€ 52,27

### CHINSTRAP (FOR Supervizor)

CODE	NAME	NAME	APPLICATION	BRANDING	PRICE CAD.
10941	VS7	Chinstrap for 10 023 10 and 10 023 09	Heavy mechanical work and sprays of chemical substances	-	€ 18,68

Range of liquid crystal self-dimming masks for welding really complete, of high-quality which includes a basic model, Optilux LB 71 with black helmet Fire, the top model Optilux DGT 92D, with helmet Fire Decal and finally a model Optilux DGT XL with filter LCD and an extensive field of view and dedicated helmet.

### OPTILUX LB 71 MASK



CODE
5896
PRICE
€ 202,50

Mask with liquid crystal analogical filter, variable 4/9-13 DIN with regulation of the external gradation, of the sensitivity and of the internal delay. Ideal to protect face and eyes from every process of welding, both occasional and continuous, but also professional. The filter LCD has an high quality, and it is conformed to the law DIN EN 379 in class 1/2/1/2.

Minimum package: 1 piece.

Specifications	Analogical filter LB 71
Filter dimension	110x90x8.5mm
Field of view	92x42mm
Sensors	2
Gradations	4/9-13
Gradation control	Esterno
Dimming time	0,1ms
Regulation, Sensibility and Delay	Adjustable (Internal)
Time of return with clear state	0,1-0,9s adjustable
Temperature range	-10°C+55°C(14°F+131°F)
Grinding/cut function	Not available
Grinding/cut spy	Not available
Alarm spy discharge battery	Not available
Supply	Batteries and solar cells
Certification class EN 379	1/2/1/2
Weight	496gr

### OPTILUX DGT XL MASK



This mask is characterised by one of the most extensive field of view available on the market, infact it measures 100x83,4mm and it has a liquid crystal "True Colour" technology which consent to see and distinguish clearly "true" colours also trough liquid crystals, very comfortable in case of use of wilders with digital displays.

Minimum package: 1 piece



CODE
5897
PRICE
€ 495,00

Specifications	Filtro digitale DGT XL
Filter dimension	133x114x9,5mm
Field of view	100x83,4mm
Sensors	4
Gradations	4/5-9 e 4/9-13
Gradation control	Internal
Dimming time	0,1ms
Regulation, Sensibility and Delay	Adjustable (internal)
Time of return with clear state	0,1-0,9s adjustable
Temperature range	-10°C+65°C(14°F+149°F)
Grinding/cut function	Yes/No
Grinding/cut spy	Yes/No
Alarm spy discharge battery	Yes (CR2450)
Supply	Batteries and solar cells
Certification class EN 379	1/2/1/1
Weight	590gr



### OPTILUX DGT 92D MASK

Mask with a liquid crystals digital filter varying from 5 to 13 DIN thanks to 2 stairs, 4/5-9 e 4/9-13 DIN. It has an internal regulation of the gradations, of the sensitivity and the delay in addition to grinding and cut functions which allow the filter LCD to be transparent also during these processes. The arcs' light is recognised by 4 photo-sensors while the supply occurs via solar cells and batteries. This model of liquid crystals filter has a certification CE of primary order that no one has even also between the most affirmed producers in the sector, infact it is conformed to the law DIN EN 379 in class 1/1/1/1 (optical/light diffusin/varation of transmittance/angular dependence).

Specifications	Digital filter DGT 92D
Filter dimension	110x90x8.5mm
Field of view	97x47mm
Sensors	4
Gradations	4/5-9 e 4/9-13
Gradation control	Internal
Dimming time	0,08ms
Regulation, Sensibility and Delay	Adjustable (Internal)
Time of return with clear state	0,1-0,9s adjustable
Temperature range	-10°C+55°C(14°F+131°F)
Grinding/cut function	Yes
Grinding/cut spy	Yes
Alarm spy discharge battery	Yes
Supply	Batteries and solar cells
Certification class EN 379	1/1/1/1



CODE
5898
PRICE
€ 427,50



Minimum package: 1 piece.

Complete system of liquid crystal mask with digital filter and unit air filter to protect the respiratory tract.

The respirator has an electronic control that make the airflow constantly stable and adjustable in 3 processes from 165 to 200 and up to 230 l/min. A liquid crystal display indicates clearly the airflow level, the battery state and the pollution level of the particle filter. An opto-acoustic alarm alert the worker if the filter is polluted, or if the battery is discharge and/or overheated. The particle filter is in class TH2 P R SL. The battery has an anatomy at least of 8h (a 165 l/min), it recharges itself in 3-4h (Li-Ion) and it is assured for 500 recharges. The motorised fan doesn't have brushes, but it uses ball bearings which reduce the noise and increase the robustness.

### OPTILUX DGT 92 AIR MASK

Specifications	Digital filter 92 Air
Dimension	240 x 165 x 70 mm
Weight	2.4KG
Type of air filter	TH2 P R SL
Airflow	Level 1: 170/min - 2: 200L/min Level 3: 230L/min
Internal	0,08ms
Noise level	Max 73dB
Exercise temperature	-5°C ~ +55°C
Type of battery	Rechargeable Li-ION 4400mAh
Duration of battery in use	Level 1 > 8h - 2 > 6h - 3 > 4h
Time of battery recharge	3.5 hour (life 500 refills)
Display LCD	Airflow level
Belt dimension	Adjustable from 900mm to 1300mm

The respirator, which has a comfortable belt and 2 braces, measures only 240x165mm and it has a 70mm thick. Its weight is about 2400g with particle filter and battery and it is conformed to the law CE EN 12941:1998/A2:2008. The storage backpack is included.

CODE
5899
PRICE
€ 1.800,00



Minimum package: 1 piece.

ACCIDENT PREVENTION REGULATION FOR RESPIRATORY TRACT PROTECTION



**All the respirators are class 3 devices conforming to the directive on DPI:  
protection from bigger risks**

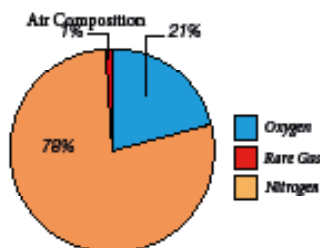
They were designed and manufactured for:

- > Protect from smokes, dusts, liquid or gas aerosol and steam
- > Isolate the user completely from the environmental air and offer a protection against a wide range of contaminated substances

**CRITERIA FOR CHOOSING A BREATHING APPARATUS**

> Oxygen level

> Knowledge of the contaminant



> Smell

> Explosive atmosphere risk (ATEX)

**O<sup>2</sup> > 17%\***

- Knowledge of contaminated substance
- Detectable smell

Filtering device  
Mask + filtering device for the purification of environmental air

**O<sup>2</sup> ≤ 17%**

- Uncertainty about the risk
- No detectable smell

Isolated instruments  
Mask + supplied air device

**ATEX RISK**

\*Verify the local laws in effect.

**LACK OF OXYGEN: DEATH RISK**

- The oxygen play a vital role in the respiratory system of human beings.
- The oxygen level in the air determines essentially the choice of the breathing apparatus: autonomous or filtering

**VALUATION OF ESPOSITION RISK**

- Oxygen level.
- Nature, form and effects of the contaminating substances.
- Knowledge of the concentration of the present toxic substances in the environment of job and the limits of exposure on the place of employment established (TLV-TWA) for the interested contaminating substances.
- Consideration of other in partnership (risk of explosive atmosphere) risks.
- Duration of use of the respirator.

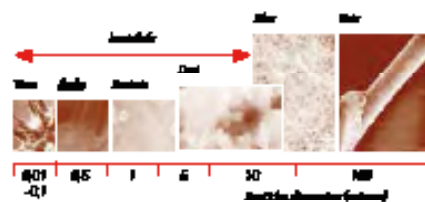
**Classification of toxic contaminated substances  
(particles)**

Solid and liquid aerosol: there can be different types

- Cause: fibres
- Cause of irritation and allergies
- Cause of lung damage

Independently from the dimensions of the particles, the risks can be meaningful depending on the time of exposure

The increasing use of liquid aerosol requires the use of an adequate protection in function of the aerosol used and of the composition of the product.



The dimension of the particles of the aerosol is one of the elements that determine the choice of the protection

**Gas/smoke: for every contaminating substance choose the appropriate filter**



**FIND THE DANGER**

Note: combined security

- In over the 70% of the cases the risk for the user come both from particles and from gas; in this case is necessary the use of a filter combined with elements both mechanical (P3) and active carbons

A	Vapors and organic gas whose degree of evaporation is superior to 65°C. Ex: solvents, hydrocarbons, etc.
AX	Vapors and organic gas whose degree of evaporation is inferior to 65°C
B	Vapors and toxic gas, ex: chlorine, cyanide, hydrochloric acid, etc.
E	Vapors and toxic gas, for instance: chloride of sulphur, etc.
K	Acids and by-products
P	Dusts, smokes
CO	Carbon monoxide
Hg	Mercury vapour
Nox	Nitrogen monoxide, nitrogen dioxide, nitrous vapors
I	Iodine

## ACCIDENT PREVENTION REGULATION FOR RESPIRATORY TRACT PROTECTION

### MAIN LAWS

To be introduced on the market, the DPI of 3 class have to satisfy the exigencies of the applicable European laws, such as:

Number of the Law	Object of the Law	Description
<b>Facial masks single use</b>		
EN 149 + A1*	filtering facial masks against the particles	The Law details the minimal requirements for filtering facial masks single use.
EN 405 + A1*	hood masks with valves against gas and/or dust	The European norm specifies the performance requirement and the marking methods applicable to the hood masks equipped with valves and filter cartridges or combined filters used as respirators for protection. The hood mask is not applied to valves without valves or fitted exclusively of valves of expiration. The projected device it is not applied to be used in situations in which a lack of oxygen is not a risk (instead of indicator oxygen in CO <sub>2</sub> in volume).
<b>Reusable masks</b>		
EN 136*	full facial masks	The European Law specifies the minimal requirements for the full facial masks. It is not applied to full facial masks for diving.
EN 140*	hood masks and quarter masks	The European norm specifies the minimal requirements for hood masks and quarter masks to be used with instruments of respiratory protection, except for the devices used for the excavation and the immersion.
EN 141 + A1*	filters for particles	The European norm specifies the filters for particles used as components of devices for the non-vented expiration, in exception of the filtering facial masks. Other filters conforming to the European norm can also be used with other types of respiratory protection and in this case it must be tested and marked accordingly to the pertinent European norm.
EN 14987 + A1* (previously EN 341, EN 571, EN 373)	cartridges and combined filters	The European Law tests the filters cartridge and the filter combined, used as components of respirators without vented expiration. It does not cover the filters with CO <sub>2</sub> sensor. Filters that comply to the norm, also can be used with devices of vented expiration; in this case it must be tested and marked accordingly to the appropriate European norm.
EN 140* (Part 1-3)	valves for facial masks valve of exhalation valve of exhalation valve of exhalation	The European Law is applied to the standard, valving of the respirators. The device it is not applied for immersion or to isolated devices like canisters positive pressure-demand.
<b>Assisted respiration</b>		
EN 13041 + A1 + A2* (previously EN 345)	filtering device to assisted expiration that integrate a hood or face mask	The European norm specifies the minimum minimal requirements for the filtering respirators that integrate a hood or face mask and filter cartridge, without exhalation, used as ventilation assisted. The projected device it is not applied to be used in situations in which a lack of oxygen is not a risk (instead of indicator oxygen in CO <sub>2</sub> in volume). The respirator it is not applied to for the excavation.
EN 13043 + A1 + A2* (previously EN 347)	filtering assisted expiration instruments with mask, hood mask or quarter mask	The European norm specifies the minimum minimal requirements for filtering assisted expiration instruments with mask, hood mask or quarter mask and filter cartridge, without or combined as ventilation assisted. The projected device it is not applied to be used in situations in which a lack of oxygen is not a risk (instead of indicator oxygen in CO <sub>2</sub> in volume). The respirator it is not applied to for the excavation.
<b>Supplied Air Respirators</b>		
EN 14500*	instrument device for respiratory protection with continuous flow of compressed air	The European Law specifies the minimal requirements for the respirators that use continuous flow of compressed air with filter cartridge, hood mask or with hood, a hood or an overall. The norm does not cover the device for the excavation and the immersion.
<b>Breathing apparatuses</b>		
EN 137*	breathing apparatuses with continuous flow of compressed air with open circuit and full facial mask	The European Law specifies the performance minimal requirements for instruments with compressed air and open circuit used as respiratory devices except for the projected device for the excavation of emergency or the immersion. These instruments must be used for situations of job that involves a low concentration of oxygen.
EN 145 + A1*	breathing apparatuses with closed circuit to compressed oxygen or to oxygen-nitrogen compound	The European Law specifies the minimal requirements for the breathing apparatuses with closed circuit that use compressed (CO) oxygen and compressed (CO - 50) oxygen / nitrogen used as respiratory, except for the projected instruments for the excavation and the immersion.
<b>Evacuation devices</b>		
EN 400*	breathing apparatuses with compressed air and open circuit, with demand valve, full facial mask and mouthpiece for excavation	The European Law specifies the minimal requirements for the breathing apparatuses with open circuit and with demand valve for the excavation. The norm is not applied to devices of protection for the job and the breathing apparatuses or to instruments for immersion.
EN 400*	filtering device with hood for the excavation in case of fire	The European Law covers the filtering device with hood, used for the excavation by instruments that contain candles, candles of candles and other heat-generating products by the fire. It specifies the minimum requirements of these devices single use. The projected device can be used in situations in which a lack of oxygen is not a risk (instead of indicator oxygen in CO <sub>2</sub> in volume). Two types of devices are specified, those projected to be used and those projected to be used by children. Some devices are not adequate to be used by children.
EN 1140*	breathing apparatuses with compressed air and open circuit and with hood for excavation	The European Law specifies the minimal requirements for the breathing apparatuses with open circuit and with hood for the excavation. These devices are destined to be used in situations of job with risk of a low concentration of oxygen. The norm is not applied to the instruments normally used for the immersion.
EN 13700*	breathing apparatuses with closed circuit for excavation	The European Law specifies the minimal requirements for the breathing apparatuses with closed circuit that use chemical (CO, HCN, H <sub>2</sub> S) and compressed oxygen for the excavation (these are also as chemical oxygen instruments of excavation). The norm is not applied to devices of protection for the job and the breathing apparatuses or to instruments for immersion.
EN 5042 7-7*	respiratory protection devices for excavation EN 17: Filtering device for excavation	

For all the references of the norm quoted and not dated, the last edition of the document of reference (including possible changes) is applied.

GUIDE TO RESPIRATORY TRACT PROTECTION

The choice of the filter to be used must be made in order to give optimal terms of safety to the worker. The protection factor depends on the facial tightness (masks for use with filters) or of the complete instrument, for example electronic and ventilated devices.

**1 -DO YOU KNOW YOUR TOXICITY LEVEL ?**

Chemical formulas are complex. The same formula can have different names. The only reliable reference is CAS. CAS: ask your supplier the number of CAS concerning the substance identified. Take the international security card : it will enable you to control the potential risks and the interactions and to avoid them.

**The document will give you different indications:**

- V.L.E. : limited value of exposition in the short term (15 Min)
- TLV: limited value of threshold for an 8 hour exposition.
- IDLH (Dose Letale Immediata): requires the immediate evacuation of the area.

**The international security card gives information about:**

- The chemical form of the product (gas, steam, dust, dependent on temperature, moisture, its evolution, its interactions).
- Detectable properties (smell, colour)
- Correlated risks (eyes, skin, carcinogenic and explosive substance ).

**2 - KNOWING A TOXIC CONCENTRATION OF A SUBSTANCE IN THE OPERATING ENVIRONMENT**

- In ppm or mg/m , for example 7500 ppm.

**3 -CHOOSE THE CORRECT PROTECTION: MASK, SEMIMASK, AIR ADDUCTION OR ASSISTED RESPIRATION?**

The factor of nominal protection (FPN) is necessary for the choice of the correct product, for example:

Hypothesis: the TVL of the product is 10 ppm and the external concentration is 7500.

$$\text{EXTERNAL CONCENTRATION (7500)} : \text{TVL (10)} = \text{FPN (750)}$$

The FPN is also defined as the reverse factor of the total loss inwards.

A FPN of 750 is included between 500 and 1000, so we have to choose a protection with a FPN equal to 1000

- A full-face mask with a P3 filter.
- Or a full-face mask with combined filter antigas/particles
- Or an electronic and ventilated device.

The more a toxic substance is indicated as dangerous, the more the choice must be careful and approved.

Once again, before using a filtration system we must be sure of:

- Have verified the minimum oxygen level.
- Know the detectable properties of a substance.

**4 - IF THERE IS A RISK FOR SKIN AND EYES**

The choice of a protection for the eyes must be a priority (conjunctivitis, irritation, redness, burns, etc.).

**In case of a risk for skin or eyes:**

- A full-face mask is required.

**In case of a risk of chemical splashes:**

- The use of a semimask is possible combined with mask glasses, depending on the aggressiveness of the substance for the skin.

**In case of doubts, choose the full-face mask.**

The risk for the eyes is a functional dangerous one.  
Remember that elude a risk without see is very difficult.





#### FACIAL FILTERING MASKS SINGLE USE SERIES 2000

##### FACIAL FILTERING COLLAPSIBLE INDIVIDUALLY PACKAGED

Conformation with low profile: extensive field of view.  
Enveloping form: increase of filtration surface and better comfort.

No staples: no risk of irritation.

Coloured nose-clips: perfect adjustment and immediate identification of protection level.

Willtech seal: hypoallergenic, anti-perspiration, more comfortable.

Individual and reusable custody: it protects the face before the use and during the pauses.

No PVC, silicone, latex, more ecological.

CODE	SIZE	CLASSIFICATION	EXPIRATION VALVE	HARNESS	PACKAGE	FPN	FPO	PRICE CAD.
10942	M/L	FFP1 NR D	NO	Elastics	25 Pz.	4	4	€ 2,33
10943	M/L	FFP1 NR D	YES	Elastics	20 Pz.	4	4	€ 2,89
10944	M/L	FFP2 NR D	NO	Elastics	25 Pz.	12	10	€ 3,11
10945	M/L	FFP2 NR D	YES	Elastics	20 Pz.	12	10	€ 3,78
10946	M/L	FFP3 NR D	YES	Elastics	20 Pz.	50	20	€ 8,83



#### FACIAL FILTERING MASKS SINGLE USE SERIES 5000

##### MAXIMUM COMFORT AND EFFICIENCY

Extensive internal volume for a maximum facility in the movement.  
Lightweight facial masks (from 10 to 28 g) to minimise worker fatigue.

Flexible harness with double elasti with con high resistant  
seaming for extra security.

Seaming external to the filtration zone for delate the risk of losses.

Ergonomic model.

CODE	SIZE	CLASSIFICATION	EXPIRATION VALVE	HARNESS	PACKAGE	FPN	FPO	PRICE CAD.
6443	M/L	FFP1 NR D	NO	Elastics	20 Pz.	4	4	€ 2,92
6444	M/L	FFP1 NR D	SI	Elasticis	20 Pz.	4	4	€ 4,99
6445	M/L	FFP2 NR D	NO	Elastics	20 Pz.	12	10	€ 3,82
6446	M/L	FFP2 NR D	SI	Elastics	20 Pz.	12	10	€ 5,57
6447	M/L	FFP3 NR D	SI	Adjustable Elastics	5 Pz.	50	20	€ 16,48



#### FACIAL FILTERING MASKS SINGLE USE SERIES 3000

##### ECONOMICAL, SIMPLE AND EFFECTIVE

Simple and intuitive design: simple to use.

Preformed shell: the facial mask form is preserved for all  
the utilization period for a better comfort.

Internal volume: the communication is facilitated, no pessure on the face.

Ultralight and ultrasoft internal layer: soft and pleasant to  
the contact with the skin to avoid irritations.

Superior part preformed along the contour of the nose:  
any necessary reglation,

it atapt itself to every kind of conformation of the face.

Low point of support on the nose: compatible with sight glasses.

Membrane of the protective valve frontally: better security.

CODE	CLASSIFICATION	EXPIRATION VALVE	HARNESS	PACKAGE	FPN	FPO	PRICE CAD.
6104	FFP1 NR D	NO	Elastics	30 Pz.	4	4	€ 1,60
6105	FFP1 NR D	YES	Elastics	20 Pz.	4	4	€ 2,74
6093	FFP2 NR D	NO	Elastics	30 Pz.	12	10	€ 1,88
6106	FFP2 NR D	YES	Elastics	20 Pz.	12	10	€ 2,97
10953	FFP3 NR D	NO	Elastics	30 Pz.	12	10	€ 3,46
10955	FFP3 NR D	YES	Elastics	20 Pz.	12	10	€ 4,10

### VALUAIR SEMIMASK

Thermoplastic elastomer structure to combine resistance and saving.  
Soft and curved tightness seal for an excellent tightness.

Hole for channelling sweat.

Adjustable harness in 4 parts with one piece belt.  
Quick, safe and simple coupling of filters thanks to audible klik.

Minimum package: 1 piece.



CODE	SIZE	WEIGHT	MATERIAL	PRICE
6188	M	109 g	Kraton	€ 52,12

### PREMIER SEMIMASK

Silicone structure: long term and extreme softness.

Inspiration and exhalation valves with high efficiency.  
Tightness seal.

Hole for channelling sweat.

Stable harness in 4 parts of coupling: excellent adaptability of the mask.

Quick, safe and simple coupling of filters thanks to audible klik.



Minimum package: 1 piece.

CODE	SIZE	WEIGHT	MATERIAL	PRICE
7711	M	140 g	Silicone	€ 84,41

### SEMIMASCHERA MX/PF F950

CODE	7712
SIZE	M
WEIGHT	220 g
MATERIAL	Silicone
PRICE	€ 100,57



Facial mask in silicone: long term and extreme softness.

Threefold tightness seal for a total protection.

Large surface of support: the facial mask remains stable in every type of face, also during the communication.

Harness in 4 parts to maximise security and comfort.

Large elastic.

Exhalation valve in frontal position for a better exhalation.

Quick, safe and simple coupling of filters thanks to audible klik.

Frontal bellows conformation to accompany the movements of the face.

Minimum package: 1 piece.

### FILTERS FOR VALUAIR - PREMIER - MX/PF F950 MASKS

Rounded filter, in backward position.

Click Fit system.

Active coconut coal.

Combined filters.

Double filter structure.

Package: each couple in a sealed bag.

Minimum package: 2 pieces.



CODE	PROTECTION	CART. COMPL.	PRICE CAD.
6448	A1	10 pieces	€ 13,09
6449	A1P3	6 pieces	€ 24,24
6450	A2	10 pieces	€ 15,18
6199	A2P3	6 pieces	€ 33,44
6457	A1BEK1	10 pieces	€ 22,12
6201	ABEK1P3	6 pieces	€ 35,81
6453	AB1P3	6 pieces	€ 11,15
6198	P3	10 pieces	€ 12,25



## DUO-DUETTA-DUPLA SEMIMASK

Professional facial mask durable and decontaminable to be used in combination with the appropriate anti-dust, dust-proof or combined 2000 series cartridges. These facial mask find a good application in spary painting, alteration of harmful chemical substanc, toxic gas, solvent, pesticide and dust. Appropriate for chemical, pharmaceutical industrial work and agrcoltu-re. DUPLA model is a panoramic mask to be use in combination with two 2000 series cartridges.

Minimum package: 1 piece.

CODE	DESCRIPTION	PRICE
10947	Semimask DUETTA	€ 22,72
10948	SemimaskDUO	€ 33,75
10949	Splitter (DUPLA) for use filter with mask	€ 22,72
10950	Kit DUO including 2 filter cartridges A2P3R	€ 72,00

Filter cartridges for semimask code 10947 (DUETTA),  
10948 (DUO), 10949 (Splitter DUPLA)

Minimum package: 2 prices.

CODE	PROTECTION	CART. COMPL.	PRICE CAD.
5924	LDP3R	4 pieces	€ 11,25
5925	A2	4 pieces	€ 12,37
5926	A2P3R	4 pieces	€ 20,02
5927	B1	4 pieces	€ 12,37
5928	B1P2NR	4 pieces	€ 17,10
5929	B1P3R	4 pieces	€ 20,02
5930	A1B1	4 pieces	€ 13,72
5931	A1B1P2NR	4 pieces	€ 17,55
5932	A1B1P3R	4 pieces	€ 20,02
5933	E1	4 pieces	€ 12,37
5934	E1P2NR	4 pieces	€ 17,10
5935	E1P3R	4 pieces	€ 20,02
5936	A1B1E1	4 pieces	€ 13,72
5937	A1B1E1P2NR	4 pieces	€ 17,55
5938	A1B1E1P3R	4 pieces	€ 20,02
5939	K1	4 pieces	€ 12,37
5940	K1P2NR	4 pieces	€ 17,10
5941	K1P3R	4 pieces	€ 20,02
5942	A1B1E1K1	4 pieces	€ 13,72
5943	A1B1E1K1P2NR	4 pieces	€ 17,55
5944	A1B1E1K1P3R	4 pieces	€ 20,02
5945	SET TWO CARTRIDGEGES A2P3R	1 piece	€ 39,60



### OPENGO



Solid hood of escape and easy to use,  
 for use in chemical industry at high risk.  
 Light box: for maximum comfort in case of extended activity.  
 Wrapped in the interior of an aluminium shell for a more safety storage.  
 Visor of wide size and hood at high visibility: for a safety evacuation.  
 Min. package: 1 piece

#### TECHNIQUE DESCRIPTION

Colour	High visibility hood with two reflective stripes
Harness	Two wide elastic strips
Sealing gasket	Moulded elastomer
Screen	Panoramic screen of big size
Protection	Available in versions ABEK1 - P3
Package	Compact box made of plastic with internal aluminium shell
Rules	EN 140, EN 14387

CODE	DESCRIPTION	PACKAGE	PRICE
6866	Opengo with filter ABEK1-P3	Complete box for transport	€ 577,00

### SERIE 220N VENTILATOR

220 P3 is composed by a semimask, totally realised in a self-extinguishing rubber and by a type 220P3 filter that protect from dusts, mists and fog. Indicated in order to protect from mists like that increase forest fire. 220N ABEK 15 and 220N ABEK P15 are composed by a semimask and by a filter enclosed in a plastic package equipped of clip for the transport. 220N ABEK 15 protect from organic vapors, gas and acidic vapors, sulphurous anhydride (ex. ammonia). 220N ABEK P15 protect from all the substance already mentioned plus dusts, mists and fogs. Finding an excellent application in chemical installation.

ABEK 15



P3



ABEK P15



#### Classification and branding

Respirators compliant with the directive 89/686/CEE (DPI).

Minimal class respirator according to the rule DIN 58647-7:1997.

Minimum package: 1 piece

Supplied with custody

CODE	DESCRIPTION	PRICE
10960	Respiratore di emergenza 220N ABEK 15	€ 97,65
10961	Respiratore di emergenza 220N ABEK P15	€ 107,10
10962	Respiratore antifumo 220N P3	€ 85,72



## SCREW FITTINGS MASKS

Internal mask in negative pressure with threaded link EN 148-1 composed by:

- External facial with double sealing edge, ergonomic and bellows
- Panoramic screen with big visibility
- The pipe union group that gathers the exhalation membrane, the phonic device, the valve gasket and the inhalation valve into a single body
- Internal mask
- Headboard with five arms
- Shoulder strap

Limitation use:

The mask can't be use with rebreather apparatus and with devices not equipped with the same fitting EN 148-1.

Classification and branding

Internal mask of 2 class according to the rule EN 136:1998 and compliant with directive 89/686/CEE (DPI).

Minimum package: 1 piece

CODE	DESCRIPTION	PRICE
6187	TR 2002 CL2 MASK	€ 137,70



## MASK ONLY WITH FILTER USE- NO REBREATHING



Internal negative pressure mask with threaded link EN 148-1 composed by:

- External facial print
- Panoramic screen with big visibility
- Grupu that round up in only one body of plastic material the link for the filter or rebreather, and exhalation valves, the inhalation valve and the sound device capsule
- Internal mask
- Headboard with five arms
- Shoulder strap

The mask can be used with vacuum devices equipped with the same threaded connector EN 148-1 (filters, air line systems type AC190, turbo powered respirators etc.)

Limitation use:

The mask can't be use with rebreather apparatus and with devices not equipped with the same fitting EN 148-1.

Classification and branding

Internal mask of 2 class according to the rule EN 136:1998 and compliant with directive 89/686/CEE (DPI).

Minimum package: 1 piece

CODE	DESCRIPTION	PRICE
10963	Maschera TR 82	€ 186,07

## SCREW FILTERS EN 148-1

CODE	SCREW FILT.	PRICE	CODE	SCREW FILTERS	PRICE
12086	100 LD P3 R	€ 18,67	10971	203 AXP3 NR D	€ 58,27
10965	200 A2	€ 25,65	6195	202 A2P3 R D	€ 42,07
10966	200 LBR A2	€ 28,12	4447	202 B2P3 R D	€ 42,07
10967	201 B2	€ 25,65	10972	202 E2P3 R D	€ 42,07
10968	201 E2	€ 25,65	10973	201 K2P3 R D	€ 42,07
10777	100 K2	€ 25,65	10974	202 A2B2P3 R D	€ 44,32
4446	201 A2B2	€ 30,37	10975	202 A2B2E2P3 R D	€ 44,32
10969	201 A2B2E2	€ 30,37	6197	203 A2B2E2K2P3 R D	€ 38,25
10970	202 A2B2E2K2	€ 37,35	10591	203 A2B2E2K2HGP3 R D	€ 53,77
10726	202 AX	€ 39,60	9905	203 UP3	€ 97,87



Minimum package: 1 piece

**SANDBLASTING RESPIRATORS**

RC4 is a respirator with a filter with hood. Use with filter P3, protect the face and respiratory tract from splinters, mists, dusts, abrasive particles and can be used for light sandblasting work. ACS 951 and ACS 952 continuous flow insulating devices powered by a compressed air line. Simultaneously protect the respiratory tract and parts of the body most exposed to the projection of abrasive particles. ACS 951 is equipped with a hooded mask. ACS 952 is equipped with a shock-resistant ABS and a bib jacket.



ACS  
952

The use of the ACS 952 is made very comfortable by the presence of the EOD 55 silencer filter, which minimizes noise, from the ability to regulate the continuous flow through the AC 95 regulator by the presence of two exhaust valves protected by paravalade caps that discharge excess air outwards. The low weight, compatible with the protective and durability requirements of the materials used, and the ergonomic design allow an easy and effective use.



ACS  
951

ACS 951 is a continuous flow compressed air insulating respirator equipped with a mask with hood and protective cape that make it an effective protective means for the protection of the respiratory tract and the parts of the body most subjected to the projection of the abrasive particles. It is therefore the ideal device for the protection of operators engaged in operations sandblasting.

Min. package: 1 piece



RC4

CODE	DESCRIPTION	PRICE
10976	Respirator RC4 Half mask with filter hood P3 10964 excluded	€ 333,00
10977	SET ACS 951 Mask with air hood tablet - Complete	€ 1.167,75
10978	SET ACS 952 Compressed air helmet- Complete	€ 1.212,75
10951	Silencer filter EDO55 for set ACS	€ 55,12

CODE	DESCRIPTION ACCESSORIES FOR ACS 951 E ACS 952	PRICE
10979	Tubo 10 m 8 x 17 con raccordi	€ 301,50
9631	Tubo 20 m 8 x 17 con raccordi	€ 551,25
10980	Tubo 30 m 8 x 17 con raccordi	€ 679,50
10981	Tubo 50 m 8 x 17 con raccordi	€ 1.053,00

Respirator is equipped with a wide safety visor composed by an external glass transparent eyepiece and by an internal eyepiece polycarbonate.

## FRESH AIR RESPIRATORS

The current legislation in Italy, which regulates interventions in confined spaces, is represented by articles 66 and 121 Annex IV of Legislative Decree no. 81/2008 and by the D.P.R. n. 177/2011, where the personal protective equipment (PPE) to be used in such situations is prescribed

To answer some of the requirements set by these standards, our company provides a range of fresh air insulating respirators: DUCT. These devices can be used in those places where the presence of oxygen is poor and where ventilation can suddenly change by changing the concentration of toxic elements. The so-called confined spaces: tanks, cisterns, silos, wells, sewage networks.



DUCT is a range of isolating respirators in fresh air with internal mask (Fresh Air) plan to be use in confined spaces like tanks, cisterns, silos, wells, sewage, networks etc. narrow places with little presence of oxygen where the ventilation can change abruptly modifying the concentration of toxic substances present in the environment, places from which it is in any case possible to take uncontaminated air from the surrounding environment without adding compressed air.

The operating principle is identical for both versions: the operator breathes air taken out of the contaminated area by means of a corrugated tube.

DUCT ECO A, assisted fresh air respirator, breathing is facilitated by an electric fan. It can be used by two operators simultaneously.

DUCT ECO, unassisted fresh air respirator, only lung strength is used for breathing.

Min. package: 1 piece

CODE	DESCRIPTION	PRICE
10982	Respirators DUCT ECO (no mask) - Usable with 6187 e/o 10963	€ 1.122,75
10983	RespiratoresDUCT A ECO (no mask) - Usable with 6187 e/o 10963	€ 3.037,50

## ESCAPE REBREATHER

FUGE RESCUE is a compressed air rebreather from the escape fuga (Emergency Escape Breathing Device) that in case of emergency equip an air flux respirable, in question, for a guaranteed minimum time of 15 minutes. It is destined for the use in every place where is able to verify dangerous situations due to the presence of dusts, fire or lack of oxygen.

### Technique Information

Pressure reducer: and piston type with compensator automatic Dispenser to



FUGE  
RESCUE

question: in it is the supplement button. Volume / operating pressure of the tank: 2 l / 300 bar  
Air reserve: 552 N litri - Autonomy: 15 min

### Certification

FUGE RESCUE is a DPI of respiratory tract, certificate CE according to the art. 10 of directive DPI 89/686/CEE; satisfies the requirements of the reference technical standard EN 402:2003.

FUGE RESCUE is a set PED, certificate CE according to Directive PED 2014/68/UE.



SK  
1203

L'SK1203 is a compressed air rebreather open circuit with hood for escape. Intended for use for rescue cars in all environments where dangerous situations may occur due to the presence of fire fumes or lack of oxygen. Plan to guarantee at the user an air flux constant for 15 minutes

### Technique Information

Valve / Pressure reducer: equipped with a pressure gauge to continuously display the cylinder charge  
Volume / operating pressure of the tank: 2 l / 300 bar

Air reserve 550 N liters

Flow delivered: about 36 l / min

Autonomy: > 15 minutes

### Classification and branding

Class certificate 15 minutes EN 1146, ISO 23269-1: 2008 and complies with 89/686 / EEC (DPI) directives, PED 2014/68 / EU and 96/98 / EC (MED).

FUGETR 2002 is a compressed air rebreather for the escape è (Emergency Escape Breathing Device) that in case of emergency equip an air flux respirable, in question, for a guaranteed minimum time of 15 minutes. It is destined for the use in every place where is able to verify dangerous situations due to the presence of dusts, fire or lack of oxygen.

### Technique Information

Pressure reducer: and piston type with compensator automatic Dispenser to in it is the supplement button. Volume / operating pressure of the tank: 2 l / 300 bar

Air reserve: 552 N litri - Autonomy: 15 min

### Certification

FUGE is a DPI of respiratory tract, certificate CE according to the art. 10 of directive DPI 89/686/CEE; satisfies the requirements of the reference technical standard EN 402:2003. F

FUGE is a set PED, certificate CE according to Directive PED 2014/68/UE



FUGE  
TR  
2002

Min. package: 1 piece.

CODE	DESCRIPTION	PRICE
10620	SK 1203	€ 1.080,00
10984	Fuge TR 2002 BN CL3	€ 1.831,50
10985	Fuge Rescue TR 2002 BN CL3	€ 1.881,00
10985-1	Fuge Tail TR 2002 BN CL3	€ 2.376,00



## RN INDUSTRIAL REBREATHER

Autonomous portable rebreathers having variable autonomy depending on the tank: 3 e 6 liters 300 bar in steel or 6.8 e 9 liters 300 bar in composite. RN are equipped with masks and sono forniti con maschera e dosatore A (raccordo unificato EN 148-3) o con maschera e doser BN type (bayonet fitting and standard thread EN148-1 for filtration). Rebreathers are particularly indicated for maintenance of chemical plants, in severely polluted environments or with no oxygen.



**RN/A  
1603**

RN/A 1603 T1 is an autonomous portable rebreathers 1 type, appropriate for maintenance in chemical and industrial plants, for use in contaminated environments, for rescue operations and in all those cases where you have one oxygen deficiency in the ambient.

RN/A 1603 T1 combines the maximum protection and comfort with the efficiency, versatility and ease of use of the MK2 System as well as the exceptional field of view of the masks

TR 82 A.

CODE	DESCRIPTION	PRICE
6183	RN-A 1603 (tank excluded)	€ 1.377,00
6182	BVF-A 1303 (tank excluded)	€ 1.233,00
8513	TR 82 A (renewal)	€ 315,00
8461	TR 2002 A CL3 (replacement)	€ 303,75
9629	Erogator A (replacement)	€ 688,50
10986	Erogator BN (replacement)	€ 738,00
10663	Reducer for model RN EN 144 300 Bar	€ 1.053,00
10954	Reducer for model BVF EN 144 300 Bar	€ 936,00
10956	Silicone membrane for dispenser (replacement)	€ 15,75
10957	Pressure gauge set including cannula for RN / BVF (spare)	€ 344,25
10958	Suitecase for breathing apparatus RN to 1 Bottle	€ 427,50
10959	Container for a mask holder with 1 filter (for TR2002 and TR82)	€ 137,92



**BVF  
1303**

The BVF / A 1303 is an autonomous portable self-contained breathing apparatus suitable for short maintenance work in chemical and industrial plants or for escape from dangerous areas.

Il BVF/A 1303 connect at the maximum protection and comfort efficiency, la versatilità and simplicity in the use of the MK2 system and also the masks field view TR 2002 A.

Min. package: 1 piece.

CODE	DESCRIPTION	PRICE
6092	Tank 3 l 300 Bar	€ 450,00
10987	Tank 3 l 300 Bar Composite	€ 1.521,00
6318	Tank 6 l 300 Bar	€ 481,50
10988	Tank 6.8 l 300 Bar Composite	€ 1.962,00
10989	tank 9 l 300 Bar Composite	€ 2.472,75
10964	TR 2002 BN (Replacement) CL3	€ 326,25



### ACCIDENT PREFERENTIAL PROTECTION OF HEARING

Noise is a problem that exist in a lot of work situation: for that exist different tyoes of protective and it's important outline selection criteria to guarantee workers the most suitable protector.

#### EN 352 rule:

The European EN352 rule is divided into several parts. Each part of the rule is applicable to specific types of protection:

The EN352-1, EN352-2, EN352-3 rules define safety requirements and test methods to test the compliance of headphones, earplugs and headphones mounted on hard hats. They shall establish the requirements relating to construction, design and performance, test methods, marking requirements and information for the user. They prescribe the provision of information on the acoustic reduction characteristics of the headphones, measured in accordance with EN 24869-1: 1992, and define a minimum level of mitigation necessary to establish their compliance with this standard.

Rules	
EN 352/1	Chapeau
EN 352/2	Earplugs
EN 352/3	Helmet chapeau
EN 352/4	Electronic chapeau
EN 352/6	Comunication audio chapeau
prEN 352-8	ASudio reception chapeau
EN 458	Guide to the selection, use, preacutions for use and maintenance of PPE anti-noise.

Levels of action and exposure limits			References of sound levels	
Protection measures are necessary for these levels of exihbition				135 Air
			Pain	110
Protection measures	Exihbition 8 ore giorno	Peak of the noise		105 Jackhammer
Inferior action level	80 dBA	135 dBC		80 Voice (scream)
Superior action level	85 dBA	137 dBC		60 Voice (spoken)
Exihbition limit valor	87 dBA	140 dBC		50 Listening to sweet music at home
European Directive 2003/10 / EC published on 15/02/03 in the Official Journal of the European Union				20 Rustling of the fronds of the trees
				5 Minumim level of hearing perpection
*dBC = decibel			dBC	

#### Characteristic:

Vivid colour to make captivating and highly visible protection. The self-regulating polyurethane foam expands inside the ear canal, adapting to whoever wears it. The T-shape facilitates insertion and removal from the ear canal.

#### Maintenance:

All auricular inserts have to be all earplugs must be stored away from impurities before use and between use intervals, so as not to transfer such impurities into the ear canal.. Auricular inserts disposable are polyhrehthane lather. It's not recommended wash and clean auricular inserts disposable. They have to be thrown away and replaced after each use. Extended exhibition in excessive humidity could compromise the attenuation and to slow down the shape recovery by the insert after it has been compressed between the fingers for insertion.

Minimum package: 1 pack of 200 envelopes for 5841.

Minimum package: 1 pack of 1 pair par 6110.

#### Employment:

Maintenance; Offshore; Paper factory; Petrochemistry; Transport; Wood factory; Generic industry.  
Rule: EN352/2.

#### LASER LITE AURICULAR INSERTS

Laser Lite	SNR=35	H=34	M=32	L=31				
regularity in Hz:	63	125	250	500	1000	2000	4000	8000
Avarage attenuation dB:	33.4	34.1	35.5	37.6	34.6	35.7	42.5	44.1
Standard deviation dB:	4.6	4.7	4.6	4.1	5.0	2.8	2.9	4.2
Presumed protection dB:	28.8	29.4	30.9	33.5	29.9	32.9	39.6	39.9



Without cord	
CODE	PRICE
6110	€ 0,40

With cord	
CODE	PRICE
5841	€ 78,93

#### Characteristics:

Semiauricular protection, soft tampons remain at the external auditory canal, leaning on its entrance. Multiposition arch Archetto multiposizione wearing over the head, under the chin and behind the nape for the maximum flexibility. Foldable, in order to easily replace the device in the pocket. Perfect for worker who are occasionally exposed to harmful noises. Arch tampons have to be replaced frequently, depending on use.

#### Maintenance:

All auricular inserts have to be replaced away from impurities before the use and between intervals use, in order to not transfer these impurities in the intern of auditory canal. It's not recommended wash and clean the inserts tampon, that have to be replaced after the work shift. Exhibition in excessive humidity could compromise the attenuation.

Employment: Graphic factory; Textile factory; Transport; Municipally; Water treatment; Welding; Shipyard; Generic factory; Paper factory.

Rule: EN352/2.  
Min. package: 1 piece.

#### AURICULAR ARCH FOR CAP

Percap	SNR=24		H=27		M=20		L=18	
Regularity in Hz:	63	125	250	500	1000	2000	4000	8000
Average attenuation dB:	21.4	22.5	21.5	19.0	22.6	30.3	35.7	38.8
Standard deviation dB:	4.8	3.5	3.6	2.9	2.7	3.1	4.2	4.3
Presumed protection dB:	16.6	19.0	17.9	16.1	19.9	27.2	31.5	34.5



#### CODE

6111

#### PRICE

€ 8,73

#### PERCAP ARCH REPLACEMENT

#### Characteristics:

Replacement kit for arch auricular insert (cod. 6111).  
Minimum package:  
1 pack of 10 pair.



#### CODE

6112

#### PRICE

€ 49,46

#### Characteristics:

Antirumors headphones with red cups. Very light, moderate attenuation, suitable for general use. Attack of fork cups, adjustable in height. Headphone is characterised for a big light, so is really comfortable also in case of extended use, is the appropriate solution for a protection in place with contained noise.

SNR 24dB

Rule: EN352/1.

Minimum package: 1 piece.

#### ANTIRUMORE HEADPHONE



#### CODICE

10404

#### PREZZO

€ 14,90

#### BILSOM 303 L DISPOSABLE AURICULAR INSERT

Bilsom 303 L	SNR=33		H=32		M=29		L=29	
Regularity in Hz:	63	125	250	500	1000	2000	4000	8000
Average attenuation dB:	28.4	37.3	37.9	39.1	36.0	34.6	42.5	46.4
Standard deviation dB:	6.4	9.0	9.2	9.7	7.9	4.6	4.9	4.7
Presumed protection dB:	22.0	28.3	28.7	29.4	28.1	30.0	37.6	41.8

Tapered shape to facilitate insertion e extraction. Polyurethane foam insert available size L (standard).

Smooth outer surface for better hygiene.

Minimum package:

1 pack of 200 pairs.



#### CODE

6327

#### PRICE

€ 76,90

#### MATRIX DISPOSABLE AURICULAR INSERTS

Orange Matrix			SNR=29	H=31	M=25	L=22		
Regularity in Hz:	63	125	250	500	1000	2000	4000	8000
Avarege attenuation dB:	17.6	21.8	26.1	8.7	29.5	34.9	37.2	39.8
Standard deviation dB:	5.1	4.7	5.4	5.2	5.3	3.8	2.7	4.0
Presumed protection dB:	12.5	17.1	20.7	23.5	24.2	31.1	34.5	35.8

The patented no-roll design facilitates insertion.

The softness of the external part and the reduced diameter offer a long lasting comfort. It's not necessary wait that the later expands. It blocks the harmful noise but allows the voice to filter.

Minimum package: 1 pack of 200 pairs.



#### CODE

6328

#### PRICE

€ 74,87

### L1N ANTIRUMORS HAEDPHONES

L1N	SNR=29		H=31		M=27		L=21	
Regularity in Hz:	63	125	250	500	1000	2000	4000	8000
Avarege attenuation dB:	18.3	17.9	21.9	27.9	32.7	32.1	35.4	35.8
Standard deviation dB:	5.5	3.5	3.2	3.0	2.9	2.9	3.5	3.8
Presumed protectiondB:	12.8	14.4	18.7	24.9	29.8	29.2	31.9	32.0

#### Characteristics:

The Air Flow Control™ technology, patented by Bilsom, allows an excellent attenuation on all frequencies, without increasing the weight or the size of the cups. The sound penetrate in the cups, and thanks to a particular slab joined to a layer of non-woven fabric, it is filtered in a controlled way. The result is a better attenuation over the whole frequency spectrum, to adapt to any work situation.

Air Flow Control is a standard characteristic applied at all the headphones of Lightning serie.

Sturdy bow in resistant steel also in the most demanding conditions.

Snap-on pads allow one easy and quick replacement. Design anatomical and unthreaded is suitable for use combined with other devices protection, including visors, helmets, masks for welding and respirators. Supplied mounting strap for more stable positioning.

Employment: Building and Construction; Power; Petrochemical; Telecommunications; Welding; Foundry; Mechanical / metalworking industry; municipal Services; Water treatment; Generic factory.

Rule: EN352/1.

Minimum package: 1 piece.



CODE	PRICE
6108	€ 32,62

### C3 ANTIRUMORS HAEDPHONES

Percap	SNR=24		H=27	M=20	L=18			
Regularity in Hz:	63	125	250	500	1000	2000	4000	8000
Avarege attenuation dB:	21.1	25.6	33.3	37.5	34.9	32.2	38.8	33.5
Standard deviation dB	4.1	3.1	2.5	2.9	2.9	1.9	4.0	4.4
Presumed protectiondB	17.0	22.4	30.8	34.6	32.0	30.3	34.8	29.1

#### Characteristics:

Filtred technology ameliorate work place communication though an unifolrmal attenuation. Clarity stop the noise and let to hear in a more naturale and clearer way voices, signals, alarms and others sounds with higher frequency without isolated the worker from the surrounding environment. The robust Clarity non-deformable dielectric headsets are resistant to prolonged use while protecting your workers

even in the presence of electricity .

The internal bow drilled allows a better position and reduce the pressure on the head. The soft surface allows adequate ventilation in humid / hot climatic conditions.

Height adjustment remains fixed during use. Snap-on bearings make replacement quick and easy. Employment: army and defense; Airport; Police e Carabinieri; Energy; Petrolchemistry; Metalworking/ mechanic factory; Municipally; Generic factory.

Rule: EN352/1.

Minimum package: 1 piece.



CODE	PRICE
6109	€ 62,96

### "BALTIC ED AEGEAN" ANTIRUMOR HEADPHONE



#### Headphones with CENTURION helmets on page 2/3.

Aegean headphones – S42CE:

Excellent protection from noise created by high frequency Cleaning Kit - S73

SNR= 30dB, H= 34dB, M= 27dB, L= 20dB

Baltic headphones – S41CE:

It can be use in generic application.

Cleaning kit - S44

SNR= 25dB, H= 29dB, M= 22dB, L= 15dB

Minimum package : 1 piece.

CODE	PRICE
8762	€ 85,63

CODE	PRICE
8762-1	€ 97,69

## HEALTH AND SAFETY RULE HANDS PROTECTION

Particular types of gloves are defined protective, in possession of certain characteristics (indicated by law) and suitable to prevent damage from mechanical accidents, traumas or chemical insults, absorption of toxic by the skin route, injury from physical agents of risk (radiation, vibration, cold, heat). A shield-shaped pictogram (symbol of protection against risk) associated with a list of performance levels obtained from one or more laboratory tests, represents most of the European standards relating to protective gloves.

### EN 420 rule: General requisites:

Specify the general requirements regarding:

- Manufacturer identification and product marking. - Harmlessness (eg pH of the most neutral materials possible).
- Respect of the agreed sizes. - Dexterity: (it is advisable that a glove procures more dexterity according to the use that must be made).
- Composition of the glove. - Packaging, storage, washing.
- Information to the user on the package insert for any category of PPE: performance, pictograms, use, precautions for use, range size available ...

### EN 388 rule: Mechanic risks:

The EN388 rule applies to all types of protective gloves as regards physical and mechanical aggressions through abrasion, blade cutting, perforation and tearing. This standard does not apply to anti-vibration gloves.

Service level : from 0 to 4. Necessity: abrasion resistance: Number of cycle necessary to damage the sample to one in a constant speed

Service level: from 0 to 5. Necessity: blade cutting resistance: Number of cycles needed to cut the sample to one constant speed.

Service level: from 0 to 4.. Requirements: tear resistance: Minimum force required to tear the sample.

Service level: from 0 to 4. Necessity: puncture resistance: Force needed to pierce the sample with a normal punch.

### EN 511 rule : Risks against cold:

The EN511 rule defines the requirements and methods of the tests on protection gloves against cold transmitted through convection or conductivity up to -50 ° C. This cold can be linked to weather conditions or an industrial activity. The specific values of the different performance levels are determined by the requirements specific to each category of risks or to each special application environment. Product tests can only be performed for performance levels and not for levels of protection.

Performance level: from 0 to 4. Requirements: convective cold resistance: indicates whether penetration occurs after 30 minutes or not.

Performance level: from 0 to 5. Requirements: contact cold resistance: indicates whether penetration occurs after 30 minutes or not.

Performance level: from 0 to 1. Requirements: water resistance: indicates whether penetration exists after 30 minutes or not.

### EN 407 rule: Thermal risks of heat and fire:

EN407 rule specifies test methods, general requirements, thermal performance levels and marking of heat and / or fire protection gloves. It applies to all gloves that must protect the hands against heat and / or flames under one or more of the following forms: fire, contact heat, convective heat, radiant heat, small projections of molten metal or large projections of molten metal. Tests can only be performed for performance levels and not for levels of protection.

Performance level: from 1 to 4. Requirements: resistance to flammability: time during which the material remains inflamed e continues to burn after the heat source has been eliminated.

Performance level: from 1 to 4. Requirements: contact heat resistance: temperature (in the range from 100 ° C to 500 ° C) to which the person wearing the glove will not feel any pain (for a period of at least 15 seconds).

Performance level: from 1 to 4. Requirements: heat resistance convective: time during which the glove is able to delay the passage of heat from a flame.

Performance level: from 1 to 4. Requirements: resistance to radiant heat: time needed to reach a certain temperature.

Performance level: from 1 to 4. Requirements: resistance to small projections of molten metal: quantity needed to carry the glove at a certain temperature.

Performance level: from 1 to 4. Requirements: resistance to important projections of molten metal: quantity of projections necessary in cause deterioration

### EN 659 rule: protection gloves for fireman:

This rule is only applied to protective gloves for firefighters in the fight against fires and search and rescue operations. Specify the test methods and the minimum performance of these gloves. (for example, the minimum levels of mechanical resistance for the EN388 standard are 2,2,2,2).

### prEN 12477 rule : Protection gloves for welding :

This draft standard specifies the requirements and test methods for gloves used for manual welding of metals, cutting and related techniques. The welding gloves are classified into two types: B when great dexterity is required and A for the other welding procedure

### EN 374-2 rule: Microrganic risks:

EN374-2 rule specifies a test method for the resistance of gloves to penetration of chemicals and / or micro-organics. When gloves resist penetration, and are tested according to this part of the EN374 standard, they constitute an effective barrier against microbiological risks.

Performance level: from 0 to 1. Requirements: penetration: indicates whether or not the product resists water and air penetration.

### EN 374-3 rule: Chemical risk

The EN374-3 rule concerns the determination of the resistance of materials with which gloves are made to permeability with respect to chemicals that are not gases and which are potentially dangerous in the event of continuous contact. It is therefore necessary to clarify that this test does not take into account all the possible situations found in service, and it is therefore recommended to use the results of these tests, which essentially have a relative value, to compare the materials only in large categories of transit times.

Performance level: from 0 to 1. Requirements: penetration: indicates whether or not the product resists water and air penetration.

Performance level: from 0 to 6. Requirements: permeability: indicates the time necessary for a dangerous product to cross the protective film by the effect of permeability.



## HEALTH AND SAFETY RULE HANDS PROTECTION

### EN ISO 10819 rule:

Vibrations and shocks of mechanical origin for the arms and hands. Method of measurement and evaluation of the vibration transmission factor through a glove on the palm of the hand.

Established by the European Committee for Standardization (CEN) to respond to the growing demand for protection against the risks of hand arm vibration (HAVS) syndromes caused by exposure to the risks of hand-transmitted vibrations. Measurements are performed at the level of the palm, with the exclusion of the fingers. The standard specifies as a premise that in the current state of knowledge, gloves are unable to provide a significant attenuation for vibration frequencies below 150 Hz. Some gloves can also increase these frequencies. However, it is important to point out that keeping the hand warm and dry are important properties of a glove and are also of great utility in the limit of some induced effects.

of vibrations.  
The only transmission factor measurement according to ISO 10819 is not sufficient to assess the health risk due to vibrations.

Rule meaning of the vibration transmissions:

“The vibration transmission factor (a ratio) measured on the surface of the bare hand and on the palm of the anti-vibration glove on the occasion of the hold of the handle of an object that vibrates”.


Transmission values above 1 indicate that the glove increases vibrations, values below 0.6 indicate that the glove attenuates vibrations.

The tests are performed for frequencies ranging from 31.5Hz to 1250 Hz, representative of the most widespread tools that vibrate.

Medium frequency spectrum: 31.5Hz to 200Hz  
High frequency spectrum: 200 Hz to 1250 Hz

To be confirmed to the rule EN ISO 10819 needs that:


Transmission in average frequency: TRm that is <1  
Transmission in high frequency: TRh that is <0.6



EN 388

EN 388 mechanic risks


			1	2	3	4	5
A	Abrasion resistance <sup>3</sup>	in number cycles	> 100	> 500	> 2000	> 8000	-
B	Cut resistance for slicing	index	> 1,2	> 2,5	> 5,0	> 10,0	> 20,0
C	Rip resistance	in newton	> 10	> 25	> 50	> 75	-
D	Perforation resistance	in newton	> 20	> 60	> 100	> 100	-



EN 511

EN 511 Risks due to cold


			1	2	3	4	5
A	Connective cold resistance	thermic isolation in m², °C/W	≥ 0,10	≥ 0,15	≥ 0,22	≥ 0,30	-
B	Contact cold resistance	thermic resistance in m², °C/W	≥ 0,025	≥ 0,050	≥ 0,100	≥ 0,150	-
C	Permeability to water - 1 level waterproof at least 30 minutes						



EN 407

EN 407 Heat and/or cold


			1	2	3	4	5
A	Attitude and/or cold	Duration of flame persistence	≤ 20"	≤ 10"	≤ 3"	≤ 2"	-
B	Contant heat resistance	> 15 seconds to	100° C	250° C	350° C	500° C	-
C	Convective heat resistance	heat transmission	≥ 4"	≥ 7"	≥ 10"	≥ 18"	
D	Radiant heat resistance	heat transmission	≥ 5"	≥ 30"	≥ 90"	≤ 150"	-
E	Resistance to small splashes of molten metal	number of drops necessary to obtain a temperature rise of 40 ° C	≥ 5	≥ 15	≥ 25	≥ 35	-
F	Resistance to large spatters of molten metal	mass (in grams) of cast iron necessary to cause a superficial burn	≥ 30	≥ 60	≥ 120	≥ 200	-



EN 374-2

EN 374 Chemic aldanger

The revision project of the EN 374 rule (parts 1, 2 and 3) “protective gloves against chemical risks” was adopted. The rule now provides two levels of protection symbolized by specific pictograms. The first level, relative to the EN 374-2 rule, identifies the impermeable gloves with a limited chemical protection (diluted or not very aggressive chemicals). The second pictogram includes the EN 374-3 standard, in this case they are gloves that must be waterproof and offer a resistance determined by permeation (minimum level 2) to at least three chemicals drawn from the list of twelve defined in the standard.



EN 374-3

Test chemical list			test chemical list		
Chemical products	Number CAS	Class	Chemical products	Number CAS	Class
A Methanol	67-56-1	Primary alcohol	G Diethylamine	109-89-7	Amine
B Acetone	67-64-1	Ketone	H Tetrahydrofuran	109-99-9	Heterocyclic ether
C Acetonitrile	75-05-8	Nitrile	I Ethyl acetate	141-78-6	Ester
D Dichloromethane	75-09-2	Chlorinated hydrocarbon	J n-Heptane	142-85-5	Saturated hydrocarbon
E Disulfide carbon	75-15-0	Organic compound containing sulfur	K Sodium hydroxide 40%	1310-73-2	Inorganic base
F Toluene	108-88-3	Aromatic hydrocarbon	L Sulfuric acid 96%	7664-93-9	Mineral inorganic acid



### LEATHER BOVINE GLOVE

Characteristic: leather bovine glove, beaded cuff, elastic stringy, good resistance to abrasion and tearing.

Applications:

Assembly and assembly, storage, DIY, goods storage, etc.



CODE	SIZE	PRICE
6293	7	€ 8,55
6294	8	€ 8,55
6295	9	€ 8,55
6296	10	€ 8,55
6297	11	€ 9,76

Rule:  
EN388 (2133).  
Minimum package:  
12 Pairs price per pair

### GLOVE IN CRUSTED BACK IN LEATHER BOVINE

Crusted back cowhide glove, bordered cuff, elastic stringy, good abrasion resistance and at the tear.

Applications:

mounting and assembly, storage, DIY, goods storage, etc ...

Statement:  
EN388 (2133)



CODE	SIZE	PRICE
7968	8	€ 6,34
7969	9	
7970	10	

Minimum package:  
12 Pairs price per pair

### DUAL WARM GLOVE

Characteristics:  
guarantees a good resistance to cold, allowing an excellent grip of the tools, the palm without seams makes the glove more comfortable.

Minimum package:  
12 Pairs price per pair



CODE	SIZE	PRICE
4005	7	€ 16,41
4006	8	
4007	9	
4008	10	
4009	11	

### PULLER GLOVE

Characteristics:  
Glove in calfskin leather, microfibre palm, ventilated back in stretch mesh. Ribbed wrist allows a better glove seal..

Minimum package:  
12 Pairs price per pair



CODE	SIZE	PRICE
4000	7	€ 12,99
4001	8	
4002	9	
4003	10	
4004	11	

### INOX ANTICUT GLOVE

CODE	SIZE
5842	7
5843	8
5844	9
5845	10
5846	11
PRICE	
€ 22,73	

Characteristics:  
high softness and comfort, excellent cut resistance, excellent grip in the presence of oils and greases.  
Lining: aramid yarn reinforced with metal filaments.  
Rule: EN 420, EN 388, EN 407.  
Minimum package:  
12 Pairs price per pair



### INOX 15 ANTICUT GLOVE

CODE	SIZE
5847	7
5848	8
5849	9
5850	10
5851	11
PRICE	
€ 31,57	

Characteristics:  
high softness and comfort, excellent cut resistance, excellent grip in the presence of oils and greases.  
Lining: aramid yarn reinforced with metal filaments..  
Rule: EN 420, EN 388, EN 407  
Minimum package:  
12 Pairs price per pair



### FIREMAN FIRE ESCAPE GLOVE

#### Characteristics:

glove in yellow water-repellent grain leather. American cut, reported thumb, knob type. Hand with Kevlar / cotton jersey lining. Artery protection. Crust hose. Elastic on the back. Velcro closure. Seams made with Kevlar thread. Hose of 15 cm.

Recommended uses: Cryogenic, fireproof, chrome intolerance, shockproof.

Complies with EN 659.

Minimum package: 1 pair



CODE	SIZE	PRICE
6338	7	€ 77,72
7887	8	
7888	9	
7889	10	
7890	11	

Descrizione	Lungh.	EN 388 a b c d	EN 407 a b c d e f g	EN 511
Fireman	cm. 36	3 2 2 2	4 1 3 1 X X	a b c

### FIREFIGHTER GLOVE

Gloves for Firefighters entirely in water repellent leather and crust hose.



CODE	SIZE
6165-1	10
PRICE	€ 74,25

Characteristic:  
resists 15 seconds to heat for contact at a temperature of 250 °. Hose, length total 38 cm.

Minimum package: 1 pair

CODE	SIZE
6166	10
PRICE	€ 48,51



### FABRIC ARAMID GLOVE



### FIBER ARAMID GLOVE



#### Characteristics:

Glove in aluminized aramid fiber.

Hose, length total 38cm.

Minimum package: 1 pair.

CODE	SIZE
7526	10
PRICE	€ 86,62



### SPLIT LEATHER GLOVE



#### Characteristics:

glove in thick, flame-resistant and heat-resistant cow split, reinforced inserts along the edges, length 350 mm, 140 mm hose, inner support in canvas cotton lining.

Minimum package: 1 pair.

CODE	SIZE
5852	10
PRICE	€ 12,31



### FABRIC ARAMID GLOVE



#### Characteristics:

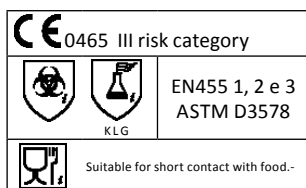
Resistant 15 seconds to heat by contact with one temperature of 250 °.

Hose, total length 28cm.  
Minimum package: 1 pair.

CODE	SIZE
7525	10
PRICE	€ 38,11



### DISPOSABLE LATEX GLOVE



Disposable, non-sterile, single-use glove, based on natural latex, subjected to a chlorination process and therefore to a very low protein content ( $<50\mu\text{g} / \text{g}$ ) and without lubricating powder. Ambidextrous with piping, with internal matte finish and external microuvide, of increased thickness and length. Multipurpose, long-lasting disposable to protect the hand and / or the handled product. High biocompatibility (protein content  $<50\mu\text{g} / \text{g}$ ). Recommended uses: Chemical industry, pharmaceutical industry - Aesthetic and hygiene laboratories for the community - Food processing and transformation - Mechanical workshops and body shops. Warnings: Avoid use with oils, greases and

hydrocarbon derivatives.

Product containing natural rubber that can create allergic reactions in sensitive individuals.

Colour: blue.

Thickness: 0,28 mm (average value).

Length: 280 mm.

External finishing: microuneven.

Minimum package: 1 pack of 50 pieces.

CODICE	TAGLIA	PREZZO
6117	7	€ 23,85
7605	8	
7606	9	
7607	10	

### DISPOSABLE LATEX GLOVE



Characteristics: Disposable glove in natural ambidextrous rubber latex with piping. Internally lubricated with vegetable starch powder, biocompatible. Excellent sensitivity, dexterity and comfort. Excellent elasticity even at low temperatures. Moderate resistance to diluted detergents and detergents and to aqueous solutions of compounds in general. Multipurpose disposable of controlled quality AQL 1.5 (due to the absence of holes) for short-term uses to protect the hand and / or the handled product.

Recommended uses: Chemical industry, pharmaceutical industry, laboratories - Medical / veterinary sector - Aesthetics and hygiene for the community - Food processing and transformation - Catering - Catering.

Warnings: Avoid contact with oils, greases, hydrocarbons and aggressive chemicals and mechanical products. The product contains natural rubber that can create allergic reactions in sensitive individuals.

Colour: white latex.

Thickness: 0,12 mm (average value).

Length: 240 mm.

External finishing: smooth.

Minimum package: 1 pack of 100 pieces.

CODE	SIZE	PRICE
6349	7	€ 10,80
7617	8	
7618	9	
7619	10	



### DISPOSABLE NITRILE GLOVE

Characteristics:

Disposable synthetic nitrile glove, ambidextrous with piping. High sensitivity, dexterity and comfort. Chemical resistance to detergents and detergents, also concentrated, hydrocarbons, solvents, ethers and freon (TF). Good mechanical strength higher than the single-use latex / vinyl glove.

Multipurpose, long-lasting disposable to protect the hand and / or the handled product. High biocompatibility (free from natural latex).

Recommended use:

Assembly and maintenance - Chemical industry, pharmaceutical industry, laboratories - Application of glues and paints - Food processing - Mechanical workshops and body shops.

Warnings:

Avoid contact with nitrogenous organic products, oxidizing acids, ketone solvents..

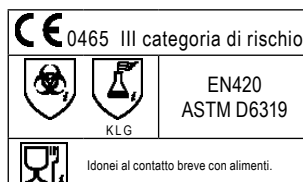
Color: blue- light blue.

thickness: 0,12 mm (average value).

Length: 240 mm

External finishing: microuneven.

Minimum package: 1 pack of 100 pieces



CODE	SIZE	PRICE
6120	7	€ 22,50
7611	8	
7612	9	
7613	10	



### DISPOSABLE NITRILE GLOVE



Disposable synthetic glove in ambidextrous polyvinyl chloride with edge. Internally lubricated with vegetable starch powder. High biocompatibility (free from natural latex). High sensitivity, dexterity and comfort. Moderate chemical resistance to detergents, diluted detergents and to aqueous solutions of compounds in general. Multipurpose disposable for short-term uses to protect the hand and / or the handled product.

Recommended for individuals allergic to natural latex.

Recommended uses: Preparation of drugs and cosmetics - Fine manipulations -

Hair treatment - Graphic arts - Delicate cleaning work.

Warnings: Avoid use with oils, greases and hydrocarbons.

Colour: transparent white.

Thickness: 0,11 mm (average value).

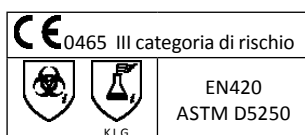
Length: 240 mm.

External finishing: smooth

Minimum package:

1pack of 100 pieces

CODE	SIZE	PRICE
6118	S (6-6,5)	€ 6,88
7614	M (7-7,5)	
7615	L (8-8,5)	
7616	XL (9-9,5)	



### DISPOSABLE LATEX GLOVE WITHOUT DUSTS

Characteristics:

Disposable glove made of natural rubber latex internally and externally, powder-free, with high biocompatibility, very low protein content (<50µg / g), ambidextrous with edge. Excellent sensitivity, dexterity and comfort. Excellent elasticity even at low temperatures. Good chemical resistance to diluted detergents and detergents and to aqueous solutions of compounds in general. Disposable polyovavente quality controlled AQL 1,5 (for no holes), for short-term use to protect the hand and / or the product handled.

Recommended uses: Chemical industry, pharmaceuticals, laboratories, electronics - Medical / veterinary sector - Aesthetics and hygiene for the community - Food processing and transformation - Catering - Catering.

Warnings: Avoid use with oils, greases, hydrocarbons and derivatives.

Warning: the product contains natural rubber that can create allergic reactions in sensitive individuals.

Colour: amber.f.d

Thickness: 0,12 mm (average value)

Length: 240 mm.

External finishing: microuneven.

Minimum package: 1 pack of 100 pieces



CODE	SIZE	PRICE
6121	S (6-6,5)	€ 16,65
7608	M (7-7,5)	
7609	L (8-8,5)	
7610	XL (9-9,5)	



### TOTAL PROOF GLOVE



Characteristics:  
excellent protection against oils and greases, thanks to the total nitrile coverage, high resistance to abrasion.

Rule: EN 420, EN 388

Minimum package:  
12 Pair price per pair

CODE	SIZE	PRICE
5853	7	€ 6,67
5854	8	
5855	9	
5856	10	
5857	11	

### LOADER DEEP GLOVE

Characteristics:

fully lined, waterproof, reinforced hose, a lot robust and with high resistance mechanical, rapid extraction of the glove.

Rule: EN 420, EN 388

Minimum package:  
12 Pair price per pair

CODE	SIZE	PRICE
4015	9	€ 6,80
4016	10	
4017	11	



### POWERCOAT NITRAF GLOVE



#### Characteristics:

Nitrile glove without support. Cotton interior  
Flocked. Diamond finishes. Green colour. Thickness: 0.40 mm. Length: 33 cm. Chemical protection.  
EN 420

Minimum package:  
10 pairs price per pair

CODE	SIZE	PRICE
4022	7	€ 6,67
4023	8	
4024	9	
4025	10	
4026	11	

### POWERCOAT NEOFIT GLOVE



#### Characteristics:

Neoprene glove without lining. Flocked cotton interior.  
Diamond finishes. Black colour. Thickness 0.60mm. Length 33 cm. Chemical protection.  
EN 420

Minimum package:  
10 pairs price per pair

CODICE	TAGLIA	PREZZO
4018	7	€ 15,18
4019	8	
4020	9	
4021	10	

### MAINBIS 40 GLOVE

#### Characteristics:

Red PVC glove. Support in interlock cotton.

#### Recommended uses:

Handling in an aggressive environment: oils, greases, chemicals, hydrocarbons.

Thickness: 1.2 / 1.3 mm.

Length: 400 mm.

Finishing: smooth.

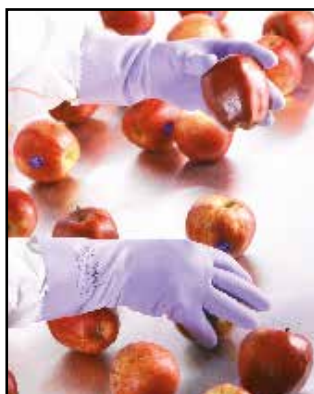
Minimum package: 1 pair.

Description	Lenght	EN 388 a b c d	EN 374
Mainbis 40	cm. 40	4 1 2 1	A K L

CODE	SIZE	PRICE
6339	7/8	€ 18,19
7891	9/10	
7892	11/12	



### FINEDEX GLOVE



CODE	SIZE	PRIZE
6340	7	€ 14,04
7893	8	
7894	9	
7895	10	
7896	11	

#### Characteristics:

Latex glove on knit support 100% polyamide.

Good resistance to abrasion and tearing.

#### Recommended uses:

Handling of wet objects.

Certificate for food contact.

Thickness: 1.3 mm.

Length: 300 mm.

Finishing: anti-cut ruffle.

Minimum package: 10 pairs per pair

Description	Lenght.	EN 388 a b c d	EN 374
Finedex	cm. 30	3 1 3 1	cat. 2



### OILPROOF GLOVE



**Characteristic:**

high abrasion resistance, breathable nylon lining, high grip on oily surfaces thanks to the special sanded nitrile coating, double layer nitrile palm, robust and waterproof.

Area of use: fittings, contact with oils and fats, building mechanical and automotive industries, billing, compound handling metal parts, maintenance.

Standard: EN 420, EN 388

Minimum package:

12 Pair price per pair

CODE	SIZE	PRICE
4027	7	€ 4,86
4028	8	
4029	9	
4030	10	
4031	11	

### LABOUR GLOVE



**Characteristics:**

High resistance to oils, excellent dexterity, excellent grip on dry surfaces.

Area of use: agriculture, fittings, construction, light industry, mechanical industry, maintenance.

Rule: EN 420, EN 388

Complete cardboard: 144 pairs.

Minimum package:

12 Pair price per pair

CODE	SIZE	PRICE
10299	7	€ 2,68
10300	8	
10301	9	
10302	10	
10303	11	

### NIMBLE GLOVE



**Characteristics:**

recommended for jobs where small objects are handled, maximum dexterity and agility of the hand, maximum lightness and breathability.

Area of use: packaging, cleaning work.

Rule: EN 420, EN 388

Minimum package:

12 Pair price per pair

CODE	SIZE	PRICE
10304	6	€ 2,65
10305	7	
10306	8	
10307	9	
10308	10	
10309	11	

### GUANTO POLYTRIL TOP



**Characteristics:**

Polyamide knit entirely coated with waterproof and abrasion-resistant nitrile rubber.

Fine manipulation of wet objects by dripping or immersed in oil. Rubber mechanical industry.

**Recommended uses:**

Manipulations in fatty environments, wet and dirty.

EN 420 - EN 388 ru

Minimum package:

10 Pairs price per pair

CODE	SIZE	PRICE
6341	7	€ 6,26
7897	8	
7898	9	
7899	10	
7903	11	

### GUANTO PERFECT CUTTING MIX



Characteristics:  
Knitted glove of Dyneema and polyamide.  
Gray polyurethane coating on the palm and fingertips. Elastic wrist. The yarn in Dyneema and Lycra provides excellent anti-cut properties.  
The polyurethane coating on the palm and on the tips of the fingers provides considerable anti-abrasion protection.  
The rough finish improves the grip of the glove.

CODE	SIZE	PRICE
6348	7	€ 23,46
7713	8	
7714	9	
7715	10	



Recommended uses:  
Manipulations of small parts sharp in dry environments.  
Fineness 13; - Length: 24 cm  
Minimum package:  
10 Pairs price per pair

### CHAINEX GLOVE



Characteristics:  
Mesh glove in stainless steel.  
The best glove for the sector feed thanks to the system of ergonomic closure.  
CHAINEX gives a guarantee additional duration.  
Recommended uses:  
Works with knives and other sharp objects and / or perforating.  
Minimum package:  
1 piece

CODE	SIZE	PRICE
6329	6	€ 274,50
6330	7	
6331	8	
6332	9	
6333	10	
6334	11	

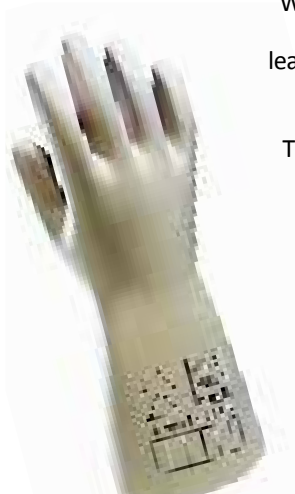
Characteristics:  
Apron in aluminum plates.  
Closure with belt and straps in fabric or adjustable and removable plastic material.  
Connecting rings in stainless steel.  
Recommended uses:  
Work with knives and other sharp and / or perforating objects.  
Minimum package:  
1 piece

### LAMEX APRON



CODE	SIZE	PRICE
6335	75x55	€ 319,50

### ELECTROSOFT LATEX GLOVE



Characteristics:  
Wide range of operating conditions (from 500 to 36000 volts) and meets all protection classes from 00 to 4. High dielectric characteristics. Insulating gloves without support should be worn with a leather over-glove for good mechanical protection (cut or tear) and electric arc. The latex structure is associated with two types of finishes: with rolled or cut edges.  
Natural latex offers high dielectric properties.  
The ergonomic shape and the interior with a light layer of dust improve comfort thanks to a greater softness. Length: 360mm (class 4: 410mm).  
Standard: EN 60903-2003 / CEI 903-2002

CODE	CLASS	TENS.	SIZE	MIN. PACK.	PRICE
6342	00	500	10	1 Pair	€ 58,47
6343	0	1000	10	1 Pair	€ 74,97
6344	1	7500	10	1 Pair	€ 106,01
6345	2	17000	10	1 Pair	€ 119,92
6346	3	26500	10	1 Pair	€ 159,04
6347	4	36000	10	1 Pair	€ 344,50

### HEALTH AND SAFETY RULE ANTI-FALL DEVICES

Anti-fall devices include different products suitable for the risks involved and the necessary protection.

These products (harnesses, fall arrest devices on the anchor line, work positioning devices, energy absorber, retractable fall arrest devices, accessories) are regulated by the European standards for personal protective equipment (PPE).

#### **EN 363 RULE : fall arrest devices**

Set of personal protective equipment against falls from a height, connected to each other and intended for the arrest of a fall from a height. A fall arrest device must contain at least one harness and a fall arrest device.

#### **EN 364 rule: Test methods**

Describes the methods of the tests related to the different PPE against falls from the top, as well as the equipment necessary to perform such tests..

#### **EN 365 rule: General requirements for use and marking**

Description of the markings that must appear on the PPE against falls from the top together with the information on the instructions for use.

#### **EN 353-1 rule: Fall arrest devices on a rigid anchor line**

System consisting of a mobile device with automatic locking fixed to the rigid anchor line (track, cable ...). An energy dissipation element can be incorporated into the system.

#### **EN 353-2 rule : Fall prevention devices on a flexible anchor line**

System consisting of a mobile device with automatic locking fixed to the flexible anchor line (rope, cable ...). An energy dissipation element can be incorporated into the system.

#### **EN 354 rule : Cords**

Connection elements or components of a system. A rope can be made of synthetic fibers, a metal cable, straps or chains. Maximum length 2 m. Warning: a rope without energy absorber should not be used as a fall arrest system

#### **NEN 355 rule: energy absorber**

Component of a fall arrest device that ensures the arrest of a fall from the top in complete safety, reducing the impact of the impact.

#### **EN 358 rule : Position devices at work**

A work positioning system is made up of elements (belt and maintenance line at work) joined together to form complete equipment.

#### **EN 360 rule: Retractable fall arrester**

Anti-fall device equipped with a self-locking function and an automatic tension and return system for the lanyard. An energy dissipating element can be integrated in the device itself or in the retractable cord.

#### **EN 361 rule: lashing**

Support for the body during a fall. The harness can consist of straps, rings and other elements positioned and adjusted appropriately on a person's body to keep it during or after a fall arrest.

#### **EN 362 rule: Connectors**

Connection elements or components of a system; a connector can be a carabiner or pliers.

#### **EN 795 rule: Anchor device**

Element to which an individual protection device can be locked.

- Class A1: non-PPE It consists of anchor points designed to be fixed on vertical, horizontal and inclined surfaces (walls, columns, lintels).
- Class A2: non-PPE It consists of anchor points designed to be fixed on inclined roofs.
- Class B: PPE It consists of transportable temporary anchor points.
- Class C: non-PPE It consists of anchoring devices equipped with horizontal "lifeline" flexible supports; allowed inclination of 15 °.
- Class D: non-PPE It consists of anchoring devices equipped with horizontal rigid rails.

### BASIS OF AN INDIVIDUAL SYSTEM OF FALL PROTECTION

#### **Anchor and connector point**

Anchor point: point where the fall protection system is connected reliably (anchoring tape, tripod, lifeline, etc.)

- Must have a resistance > 10kN for at least 3 minutes (EN 795 Class B)
- It must be at a sufficient height to avoid, in the event of a fall, the impact of the operator against the ground or a structure underlying the worktop

Connector: connecting element between the connection system and the anchor point (anchorage pliers, large opening karabiner, etc.)

- Must have a resistance > 15kN for at least 3 minutes (EN 362)

fall arrest harness

- In case of fall, it must be able to hold the person and to guarantee a stop without injuries
- The only harness able to hold a person in case of fall guaranteeing the arrest of it is that complete, provided of suspenders and leg straps in accordance with law EN 361

- It must be select according to the type of job and the environment of job
- All the points of hookup on the harness must have a resistance > 15kN for at least 3 minutes (EN 361 and EN 358)

#### **Device of Device of connection**

Element that connects the anti-fall harness to the point of anchorage or to the connector (anti-fall lanyard, retractable device, etc.)

- It must limit the fall and it must be select in operation of the environment of job
- It must be calculate the height of potential fall to determine the element of necessary connection

### 1 POINT WITHOUT BELT HARNESS

#### Characteristics:

As the whole line, this harness offers a good price-quality ratio. The external black ribbon quickly underlines if the harness has been worn in correct way. Suspenders and leg straps are adjustable and therefore the harness easily suits for different sizes. 1 point dorsal attack with ring to D in galvanized steel harness. Blue textile ribbon with black line in polyamide 45 mm. Buckle in steel galvanized to rapid opening. Weight 500 grs. Performances:

Opening buckles rapids in steel galvanized Law EN 361.

Employment: housebuilding and constructions.

Minimum package: 1 piece.



CODE	PRICE
6251	€ 61,84

### 2 POINTS WITHOUT BELT HARNESS

#### Characteristics:

As the whole line, this harness offers a good price-quality ratio. The black line in contrast on the external side of the ribbon in blue polyamide quickly underlines if the harness has been worn in correct way. Suspenders and leg straps are adjustable and therefore the harness easily suits for different sizes. 2 points dorsal attack with ring to D in galvanized steel harness. Blue textile ribbon with black line in polyamide 45 mm. Buckles in steel galvanized to rapid opening. Weight 600 grs. Performances:

Opening buckles rapids in steel galvanized Norm EN 361.

Employment: housebuilding and constructions;

Generic industry.

Minimum package: 1 piece.



CODE	PRICE
6252	€ 78,21

### 1 POINT WITH BELT HARNESS

#### Characteristics:

As the whole line, this harness offers a good price-quality ratio. The black line in contrast on the external side of the ribbon in blue polyamide quickly underlines if the harness has been worn in correct way. The leg straps are adjustable to suit the harness for all the sizes. Dorsal D ring movable to improve the regulation. 1 point of dorsal attack in textile ribbon of blue polyamide harness in contrast to a black line from 45 mm. with belt of positioning endowed with buckle in galvanized steel. Dorsal rings and sides in stainless steel, quick opening buckles and adjustable leg straps. Weight 1 kg. Performances: quick opening buckle in steel galvanized Norm EN 361.

Harness for the body Norm EN 358. Positioning systems.

Employment: housebuilding and constructions.

Minimum package: 1 piece.



CODE	PRICE
6253	€ 121,89

### 2 POINTS WITH BELT HARNESS

#### Characteristics:

As the whole line, this harness offers a good price-quality ratio. The black line in contrast on the external side of the ribbon in blue polyamide quickly underlines if the harness has been worn in correct way. Comforting belt of positioning, lateral D rings, quick opening buckles and adjustable leg straps to suit the harness for all the sizes. 2 points dorsal and sternal of attack. Textile blue polyamide tape 45mm with a black line in contrast on the external part.

Positioning belt, lateral rings and quick opening buckles in stainless steel; adjustable leg straps.

Weight: 1 kg. Performances: Quick opening buckles in steel galvanized Norm EN 361.

Harness for the body Norm EN 358. Positioning systems.

Employment: housebuilding and constructions.

Minimum package: 1 piece.



CODE	PRICE
6254	€ 142,82

### POSITIONING BELT

#### Characteristics:

Positioning light belt with 2 lateral D rings in stainless steel.

#### Attention:

The single belt is not employable in case of risk falls but only for positioning activities.

Employment: housebuilding. Law: EN 358.

Minimum package: 1 piece.



CODE	PRICE
6255	€ 61,21



### CML 120 CONNECTOR

Characteristics:  
Ferrule Moschettone in aluminum with opening 21 mm. Weight 0,082 Kg.  
Resistance to the breakup > 22kN.  
Selling points: the anchorage connectors are used for fixing an intermediary attack to a point of anchorage.  
Risks: fall from height.  
Law: EN 362.  
Minimum package:  
1 piece.



CODE	PRICE
6256	€ 19,68

### ZICRAL CONNECTOR

Characteristics:  
Drum  
Material raw - Aluminum

Dimensions  
Length: 108 mm  
Width: 61 mm  
Diameter: 11.5  
Opening: 16 mm

Performances:  
resistance to the breakup  
>2800 daN



Minimum package: 1 piece.

CODE	PRICE
5901	€ 40,28

### GO60 CONNECTOR

Characteristics:  
Drum  
Material raw - Aluminum  
Dimensions: Length 240 mm  
Width: 113 mm  
Diameter: 12 mm  
Opening: 60 mm  
Performances: resistance to the breakup > 2300 daN Weight (kg): 0.245kg  
Minimum package: 1 piece.



CODE	PRICE
5902	€ 125,19

### ANCHORAGE FOR CONNECTORS

Characteristics:  
Dimensions: Length 350 mm  
Width: 134 mm  
Diameter: 6 mm  
Opening: 75 mm  
Performances: resistance to the breakup > 30 kNs  
Weight (kg): 0,300 kg  
Minimum package: 1 piece.



CODICE	PREZZO
5903	€ 69,92

### GUIDED AUTOMATIC DEVICE

Characteristics:  
the guided automatic device and the line of anchorage protect the consumer from falls during the slope or the descent. The guided automatic device is endowed with a system of quick block activation that limits the free fall in few centimeters. Norm: EN 362. Opening: 20 mm. Load of breakup: > 22kN. Norm: EN 353 -2. Norm: EN 696. Load of breakup: > 2940 daN. Dimensions: Lung. 100mm xes Larg. 415mm - Spess. 25mm. Temperature of exercise -30°C / +50°C. Employment: housebuilding and constructions; Generic industry.  
Minimum package: 1 piece.



CODICE	METRI	PREZZO
6246	20 ML	€ 284,51
6246-1	10 ML	€ 216,78

### RETRACTABLE DEVICE

Characteristics:  
Great safety: the system of quick arrest allows to arrest the fall within few centimeters. The device is, besides, endowed with an indicator of fall.  
Comfort: Light. The retractable device to automatic call to cable in galvanized steel - is the ideal antifall solution for the housebuilding, for the industry, for industrial sheds, for firms of public utility and for confined spaces. System of block in bronze and stainless steel. Maximum load: 136Kg  
Norm EN 360. dimensions: Lung. 255mm xes Larg. 213mm  
Spess. 101mm - Opening 17mm.  
Temperature of exercise -30°C/+50°C.  
Resistance to the breakup: > 12kN.  
Minimum package: 1 piece.



CODE	METRICS	PRICE
6257	6,2 ML	€ 1.559,78
6258	10 ML	€ 1.621,83
10018	20 ML	€ 2.056,06



### LANYARD WITH ME52 ABSORBER

**Characteristics:**

Lanyard with absorber of energy with rope, endowed with 2 lives carabiners. It is suitable for particularly difficult conditions of job. The lanyards offer a great comfort in case of fall. The small dimensions of the squanderer of energy reduce the weight and they make the lanyards easier to use and to bring. Available with a series of different and projected attacks to improve the antifall protection. Weight 0,774 Kg.

Rope from 2 mt. in polyamide Ø12 mm - 3 trefolis.

Temperature of exercise -30°C / +50°C

Law: EN 355. resistance rope > 25kN.

Resistance to the breakup > 15kN. Minimum package: 1 piece.



CODE
6259
PRICE
€ 160,53

### FORK TAPE ME05

**Characteristics:**

Fork tape with absorber of energy that, in case of fall, limits the energy to a maximum of 6 kNs. Furnished of two ample automatic connectors 50mm of opening and a carabiner ML00 opening 18 mm. Weight 1,500 Kg.

Type from 2 mt. in yellow polyester 23 mm.

Resistance tape > 30kN.

Temperature of exercise -30°C / +50°C.

Resistance to the breakup > 15kN.

Employment: housebuilding and constructions; Generic industry. Law: EN 355.

Minimum package: 1 piece.



CODE
6247
PRICE
€ 265,27

### LANYARD WITH ME82 ABSORBER

**Characteristics:**

Light and easy-to-use, the extensible lanyard is ideal for the hookup to crane and scaffoldings. When contract, the extensible lanyard with absorber of energy reduces the risk to stumble. The special material absorbs the energy reducing the strengths of the fall. Complete of 2 galvanized connectors and finishing touch in TEFLON.

Weight 0,675 Kg. Extension: 32%. Portrait length: 1.35 mt.

Energy's absorber integrated. Fibers of polyester.

Reduction of the strength of impact: > 5kN.

External coverage with high resistance: strap in polyamide from 6.6 from 45mm of green colour. Load of breakup > 22kN. Load of breakup > 29kN.

Temperature of exercise -30°C / +50°C. Resistance to the breakup > 15kN. Length: 2 mt.

Law: EN 355. Minimum package: 1 piece.



CODICE
6250
PREZZO
€ 170,66

### LANYARD WITH ME86 ABSORBER

**Characteristics:**

Light connection lanyard with ability of extension equal to 32%; it accompanies the movements of the operator without "to throw", to bother or to hamper during the various operations. External covering to tall resistance and essay with Teflon® to improve the resistance to the dirty, dust, greasy, water increasing the vital cycle of it. Energy's absorber integrated endowed with indicative of fall of clear understanding. Easy to inspect: when the external covering is damaged or worn and the inside part of the lanyard is visible, The lanyard must be replaced. Complete of grapevine carabiner and quick hookup for scaffoldings (opening 50 mm.).

Weight 0,985 Kg.

Temperature of exercise -30°C/+50°C.

Resistance to the breakup > 15kN. Tape: external coverage with high resistance in polyamide strap from 6.6 45 mm of green

colour. Length: 2 mt.

Law: EN 355.

Min. package: 1 piece.



CODE
6249
PRICE
€ 206,02

### OSITION LANYARD

**Characteristics:**

Adjustable positioning tape and rope in 100% polyamide with diameter from 12 mm. Length 2 mt. with 2 automatic carabiners in light league "twistlock." Opening 21 mm. Weight 0,390 Kg.

Resistance to the breakup > 15kN.

Resistance Rope > 29kN.

Law: EN 358.

Min. package:

1 piece



CODE
6248
PRICE
€ 97,61

### ANCHORING WEBBING

CODE	MEASURES	PRICE
5904	0,6 Mt 20 mm	€ 18,60
5905	0,8 Mt 20 mm	€ 19,59
5906	1 Mt 20 mm	€ 22,46
5907	1,2 Mt 20 mm	€ 24,52
5908	1,5 Mt 20 mm	€ 26,55



**Characteristics:**

Exceptional resistance to the breakup. Point of sure and easy anchorage to be installed. Advantages: the anchoring webbing represents a point of sure anchorage for the device of arrest anticaduta.

Law: EN 795

Minimum package: 1 piece.

## 2 POINTS HARNESS

The Miller H-Design® DuraFlex™ harnesses with 2 points represent the new generation of harnesses for the building and industrial sector, created to offer great comfort, liberty of movement and safety to the workers.

CODE	DESCRIPTION
5912	Taglia 1 - Small
5913	Taglia 2 - Medium
5914	Taglia 3 - Large
PRICE	
€ 194,31	

The H innovative and ergonomic structure has been projected for guarantee comfort and liberty of movement, allowing to focus on the jobs in height.

### Characteristics:

Suspenders: Standard green ribbon from 44 mm. PES with treatment PTFE (water-repellent/ stain-resistant) Resistance to the breakup: > 2700 daN

Other straps: standard black tape from 44 mm. PES with treatment PTFE (water-repellent / stain-resistant) Resistance to the breakup: > 2700 daN

D ring for dorsal anchorage. Material: steel

Finishing: galvanized silver

Resistance to the breakup: > 2300 daN

Automatic buckles in aluminum: Resistance to the breakup: > 900 daN

Coupled buckles in steel:

Finishing: galvanized silver

Resistance to the breakup: > 900 daN

Minimum package: 1 Piece.



## 1 POINT HARNESS



CODE	DESCRIPTION
5909	Size 1 - Small
5910	Size 2 - Medium
5911	Size 3 - Large
PRICE	
€ 173,51	

The Miller H-Design® harnesses represent the new generation of harnesses for the building and industrial sector, created to offer great comfort, liberty of movement and safety to the workers.

Suspenders: Standard green ribbon from 44 mm. PES with treatment PTFE (water-repellent/ stain-resistant) Resistance to the breakup: > 2700 daN

Other straps: standard black tape from 44 mm. PES with treatment PTFE (water-repellent / stain-resistant) Resistance to the breakup: > 2700 daN

D ring for dorsal anchorage. Material: steel

Finishing: galvanized silver

Resistance to the breakup: > 2300 daN

Anchoring sternal point: textile rings of increased dimensions.

Coupled buckles in steel: Finish: galvanized silver.

Resistance to the breakup: > 900 daN

Weight: 1 kg

Resistance to the breakup: > 15 KNs Temperature: from -30 °Cs to +50 °Cs

Complete harnesses EN 361

Certified for a maximum load of 140 kg.

Minimum package: 1 Piece.

### MILLER AVIABLOC

The lighter retractable on the market with a compact carter in plastics and retractable tape. The MI20 model includes an absorber of energy integrated for reducing the strength of impact of the fall and is endowed with two lives carabiners. Advantages: retractable light with a compact carter in plastics and textile ape.

Recommendations: sector industrial Risks: fallen by the tall Law: Conforming to the norm EN360

Minimum package: 1 piece.



CODE	DESCRIPTION	PRICE
5915	Mt 2,5 with 2 carabiners	€ 306,53
5916	Mt 2,5 without carabiners	€ 188,27

### RETRACTABLE DEVICE

Miller MightEvac combines the excellent performances and the reliability of the series of retractable devices with recuperator MightyLite most sold with the mechanism of quick activation recovery for the evacuation of emergency. Characteristics: Block of arrest of the fall with winch for the recovery. Used in combination with the tripod Miller informs a stable and sure system of entry in confined spaces / assisted. Indicative of fall.

Complete of carabiner in ferrule. Furnished without stirrups.

Advantages: Lodging in steel printed and a compact structure for serious employments.

Easy to use and with winch for the recovery (aloft / in low). Min. package: 1 piece.



CODE	DESCRIPTION	PRICE
5917	Mt 15	€ 2.739,85
5918	Mt 30	€ 4.364,86
5919	Mt 40	€ 4.922,38
5920	Support x 15 Mt	€ 515,12
5921	Support x 30/40 Mt	€ 515,12

### SWIVEL ARM CRANE

POTEX swivel arm crane, winch for the recovery integrated by 30 ms.

Characteristics:

Integrated recuperator 30m, adjustable feet to suit for the various situations.

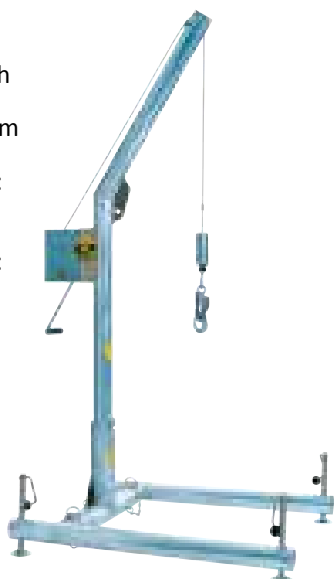
Advantages:

- System of revolving lifting.
- Easy access in confined spaces.

Height Opened: maximum external height 2,25m - Height below the carabiner: 2,1m. Refolded: Minimum height : 2,05m - Height below the carabiner: 1,9m.

Wide length: 1,3m Length treats again: 1,3m. Width Opened - Maximum external width: 1,3m Distance among the feet: 1,11m. Min. refolded Width: 1m Distance among the feet: 0,81m.

Min. package: 1 piece



CODE	PRICE
5922	€ 5.818,17

### WINCH TRIPOD

Easy to install by one single person, the selflock and completely adjustable footsies firmly fix the tripod in position thanks to the automatic locks. Not chains are necessary to fix the footsies, so reducing the risk of you stumble.

Compact and strong, Manhandler is both a recuperatore and a winch. Pulley Miller, included with tripod and recuperator: Flat and revolving with to the sides pulleys of great diameter that guarantee the excellent effectiveness. Min. package: 1 piece.



CODE	DESCRIPTION	PRICE
9962	Tripod	€ 2.391,12
10017	Mt 20 winch	€ 2.719,35
5923	Pulley (replacement)	€ 269,61

# WORK CLOTHING AND SAFETY FOOTWEAR





### JACKET - WALL

Sz.	CODES					
	Mud-Black	Black-Black	Anthrac. - Black	Grey-Black	Navy - Black	Rope Black
44	4700	4711	4722	4733	4744	4755
46	4701	4712	4723	4734	4745	4756
48	4702	4713	4724	4735	4746	4757
50	4703	4714	4725	4736	4747	4758
52	4704	4715	4726	4737	4748	4759
54	4705	4716	4727	4738	4749	4760
56	4706	4717	4728	4739	4750	4761
58	4707	4718	4729	4740	4751	4762
60	4708	4719	4730	4741	4752	4763
62	4709	4720	4731	4742	4753	4764
64	4710	4721	4732	4743	4754	4765
€	€ 108,18	€ 105,91	€ 105,91	€ 105,91	€ 105,91	€ 105,91

**EN ISO  
13688:2013**

#### DESCRIPTION:

2 inside pockets, large pockets on the breast and on the fund, refracting inserts 3M. Scotchlite. Reflective Material - 8910 Silver Fabric, insert penholder, width life and cuff adjustable, ear passer-by, cut sleeve ergonomic, pocket brings cellular with And-dear, patches elbows in CORDURA®, zip YKK®

#### COMPOSITION:

TD000 - 60% cotton - 40% polyester.

**WEIGHT:** 245 g/m<sup>2</sup>

**AREA OF USE:** housebuilding, industry, logistics.

UNDETACTABLE BY METAL DETECTORS

Min . package: 1 piece.



### TROUSERS - CARPENTER

Sz.	CODES					
	Mud-Black	Black-Black	Anthrac. - Black	Grey-Black	Navy - Black	Rope Black
44	6528	6550	6539	6506	6517	6131
46	6529	6551	6540	6507	6518	6496
48	6530	6552	6541	6508	6519	6497
50	6531	6553	6542	6509	6520	6498
52	6532	6554	6543	6510	6521	6499
54	6533	6555	6544	6511	6522	6500
56	6534	6556	6545	6512	6523	6501
58	6535	6557	6546	6513	6524	6502
60	6536	6558	6547	6514	6525	6503
62	6537	6559	6548	6515	6526	6504
64	3568	6560	6549	6516	6527	6505
€	€ 79,54	€ 77,27	€ 77,27	€ 77,27	€ 77,27	€ 77,27

**EN ISO  
13688:2013**

#### DESCRIPTION:

4 large anterior pockets, double back pocket one with flap, refracting inserts 3M. Scotchlite. Reflective Material - 8910 Silver Fabric, passing hammers equipped, reinforcements knees in CORDURA®, ergonomic cut of legs and knees, side pocket, deportment pocket, external pockets handed nails in CORDURA®, pockets for knee-guards in CORDURA® with adjustable position, adjustable waist, zip YKK®

TD000 - 60% cotton - 40% polyester.

**WEIGHT:** 245 g/m<sup>2</sup>

**AREA OF USE:** housebuilding, industry, logistics.

UNDETACTABLE BY METAL DETECTORS

Minimum package: 1 piece..





**JACKET - STONE**

**DESCRIPTION:**

Large inside pockets, large pockets on the breast and on the fund, insert penholder, ear passer-by, cut sleeve ergonomic, pocket brings cellular with And-dear, zip YKK®.

**COMPOSITION:**

TD000 - 60% cotton - 40% polyester.

**WEIGHT:** 245 g/m²

**AREA OF USE:**

housebuilding, industry, logistics.  
UNDETECTABLE BY METAL DETECTORS  
Minimum package: 1 piece.

**EN ISO**  
**13688:2013**



Sz.	CODES					
	Mud-Black	Black-Black	Anthrac. - Black	Grey-Black	Navy - Black	Rope-Black
44	4766	4777	4788	4799	4810	4821
46	4767	4778	4789	4800	4811	4822
48	4768	4779	4790	4801	4812	4823
50	4769	4780	4791	4802	4813	4824
52	4770	4781	4792	4803	4814	4825
54	4771	4782	4793	4804	4815	4826
56	4772	4783	4794	4805	4816	4827
58	4773	4784	4795	4806	4817	4828
60	4774	4785	4796	4807	4818	4829
62	4775	4786	4797	4808	4819	4830
64	4776	4787	4798	4809	4820	4831
€	€ 87,74	€ 85,45	€ 85,45	€ 85,45	€ 85,45	€ 85,45

**TROUSERS - DRILL**

**DESCRIPTION:**

large anterior pockets, double back pocke, one with flap, insert penholder, passing hammer equipped, ergonomic cut of legs and knees, side pocket, pocket hands coins, tape-measure pocket, adjustable waist, zip YKK®.

**COMPOSIZIONE:**

TD000 - 60% cotton - 40% polyester.

**GRAMMATURA:** 245 g/m²

**AREA D'USO:** housebuilding, industry, logistics.

UNDETECTABLE BY METAL DETECTORS

Minimum package: 1 piece.

**EN ISO**  
**13688:2013**



Sz.	CODES					
	Mud-Black	Black-Black	Anthrac. - Black	Grey-Black	Navy - Black	Rope-Black
44	4832	4843	10044	4854	10033	4865
46	4833	4844	10045	4855	10034	4866
48	4834	4845	10046	4856	10035	4867
50	4835	4846	10047	4857	10036	4868
52	4836	4847	10048	4858	10037	4869
54	4837	4848	10049	4859	10038	4870
56	4838	4849	10050	4860	10039	4871
58	4839	4850	10051	4861	10040	4872
60	4840	4851	10052	4862	10041	4873
62	4841	4852	10053	4863	10042	4874
64	4842	4853	10054	4864	10043	4875
€	€ 59,10	€ 56,81	€ 56,81	€ 56,81	€ 56,81	€ 56,81

# DESCRIPTION:

Large anterior pockets, adjustable suspenders with jerky closing, double back pocket, one with flap, elastic in waist, insert penholder, ergonomic cut of legs and knees, side pocket with inserts handed utensils, pocket brings cellular with And-dear, pocket brings coins, pocket on the bib closed with zip, zip YKK®

**COMPOSITION:** TD000 - 60% cotton - 40% polyester.

**WEIGHT:** 245 g/m<sup>2</sup>

**AREA OF USE:** housebuilding, industry, logistics.

UNDETACTABLE BY METAL DETECTORS

Minimum package: 1 piece.

EN ISO  
13688:2013

## BIB-STEEL



Sz.	CODES					
	Mud-Black	Black-Black	Anthrac.-Black	Grey-Black	Navy-Black	Rope-Black
44	4876	4887	4898	4909	4920	4931
46	4877	4888	4899	4910	4921	4932
48	4878	4889	4900	4911	4922	4933
50	4879	4890	4901	4912	4923	4934
52	4880	4891	4902	4913	4924	4935
54	4881	4892	4903	4914	4925	4936
56	4882	4893	4904	4915	4926	4937
58	4883	4894	4905	4916	4927	4938
60	4884	4895	4906	4917	4928	4939
62	4885	4896	4907	4918	4929	4940
64	4886	4897	4908	4919	4930	4941

## VEST - EXPERT

# DESCRIPTION:

1 back pocket, 2 large anterior pockets, one with zip, 2 pockets on the breast, 3 pockets with zip, 4 small pockets, badge-holders, unwraps side, zip YKK®

**COMPOSITION:** TD000 - 60% cotone - 40% poliestere.

**WEIGHT:** 245 g/m<sup>2</sup>

**AREA OF USE:**

housebuilding, industry, logistics.

UNDETACTABLE BY METAL DETECTORS

Minimum package: 1 piece.

EN ISO  
13688:2013



Sz.	CODES				
	Mud-Black	Black-Black	Anthrac.-Black	Navy-Nero	Rope-Black
44	4942	10155	4390	4379	4368
46	4943	10156	4391	4380	4369
48	4944	10157	4392	4381	4370
50	4945	10158	4393	4382	4371
52	4946	10159	4394	4383	4372
54	4947	10160	4395	4384	4373
56	4948	10161	4396	4385	4374
58	4949	10162	4397	4386	4375
60	4950	10163	4398	4387	4376
62	4951	10164	4399	4388	4377
64	4952	10165	4400	4389	4378
€	€ 76,13	€ 74,79	€ 74,79	€ 74,79	€ 74,79

## COVERALL - HANGAR



EN ISO  
13688:2013

**DESCRIPTION:** passing hammers-equipped, large anterior pockets and on the breast, double back pocket, one with flap, elastic in waist and adjustable belt, refracting inserts 3M. Scotchlite. Reflective Material - 8910 Silver Fabric, insert penholder, adjustable cuff, ergonomic cut of sleeves and legs, side pocket with inserts handed utensils, pocket brings cellular with And-dear, tape-measure pocket, patches of reinforcement on elbows and knees, zip YKK®

### COMPOSITION:

TD000 - 60% cotton - 40% polyester.

**WEIGHT:** 245 g/m<sup>2</sup>

**AREA OF USE:** housebuilding, industry, logistics.

UNDETECTABLE BY METAL DETECTORS

Minimum package: 1 piece.

Sz.	CODES				
	Grey-Black	Black-Black	Anthrac.-Black	Navy-Black	Rope-Black
44	4953	4964	4975	4986	5054
46	4954	4965	4976	4987	5055
48	4955	4966	4977	4988	5056
50	4956	4967	4978	4989	5057
52	4957	4968	4979	4990	5058
54	4958	4969	4980	4991	5059
56	4959	4970	4981	4992	5060
58	4960	4971	4982	4993	5061
60	4961	4972	4983	4994	5062
62	4962	4973	4984	4995	5063
64	4963	4974	4985	4996	5064
€	€ 126,38	€ 126,38	€ 126,38	€ 126,38	€ 126,38

### DESCRIPTION:

11 pockets in total, 4 strong passers-by for belt, large back pockets, two pockets on the breast, one with zip, refracting inserts 3M. Scotchlite.

Reflective Material - 8910 Silver Fabric, insert penholder, pocket brings cellular with And-dear, zip YKK®

**COMPOSITION:** TD000 - 60% cotton - 40% polyester.

**WEIGHT:** 245 g/m<sup>2</sup>

**AREA OF USE:** housebuilding, industry, logistics.

UNDETECTABLE BY METAL DETECTORS

Minimum package: 1 piece.

Sz.	CODES		
	Grey-Black	Navy-Black	Rope-Black
44	5065	5076	5087
46	5066	5077	5088
48	5067	5078	5089
50	5068	5079	5090
52	5069	5080	5091
54	5070	5081	5092
56	5071	5082	5093
58	5072	5083	5094
60	5073	5084	5095
62	5074	5085	5096
64	5075	5086	5097
€	€ 77,27	€ 77,27	€ 77,27

EN ISO  
13688:2013

## VEST - TOOL





**DESCRIPTION:**

2 large anterior pockets with snap, 2 pockets on the breast with velcro, central opening with zip, insert penholder, width waist and cuff adjustable, lengthened back part closed with zip, zip YKK®

**COMPOSITION:** TD002 - 65% polyester - 35% cotton.

**WEIGHT:** 245 g/m<sup>2</sup>

**AREA OF USE:** housebuilding, industry, logistics.

UNDETACTABLE BY METAL DETECTORS

Minimum package: 1 piece.

**MAXIMUM RESISTANCE TO WASH**

Sz.	CODES			
	Navy	Green	Anthracite	Black
S	5098	5105	5112	5119
M	5099	5106	5113	5120
L	5100	5107	5114	5121
XL	5101	5108	5115	5122
XXL	5102	5109	5116	5123
3XL	5103	5110	5117	5124
4XL	5104	5111	5118	5125
€	€ 56,59	€ 56,59	€ 56,59	€ 56,59

EN ISO  
13688:2013

Anthracite



**JACKET - MARRAKECH**

Black



Green



Navy



**MARRAKECH JACKET - WOMAN**

**DESCRIPTION:**

2 ampie tasche anteriori con snap, 2 tasche sul petto con velcro, apertura centrale con zip, inserto portapenne, larghezza vita e polsino regolabili, parte posteriore allungata chiusa con zip, zip YKK®

**COMPOSITION:**

TD002 - 65% polyester - 35% cotton.

**WEIGHT:** 245 g/m<sup>2</sup>

**AREA OF USE:**

housebuilding, industry, logistics.  
UNDETACTABLE BY METAL DETECTORS  
Minimum package: 1 piece.

**MAXIMUM RESISTANCE TO WASH**



EN ISO  
13688:2013

Sz.	CODES
	Navy
S	5126
M	5127
L	5128
XL	5129
XXL	5130
€	€ 56,59



## TROUSERS- RABAT



**DESCRIPTION:**  
1 back pocket with velcro, large anterior pockets, elastic in life, passing hammer-equipped, side pocket, tape-measure pocket, pockets for knee-guard with adjustable position

**COMPOSITION:**  
TD000 - 65% cotton - 35% polyester.

EN ISO  
13688:2013

**WEIGHT:**  
245 g/m<sup>2</sup>

**AREA OF USE:**  
housebuilding, industry, logistics.  
UNDETECTABLE BY METAL DETECTORS  
Minimum package: 1 piece.

### MAXIMUM RESISTANCE TO WASH

Sz.	CODES			
	Navy	Green	Anthracite	Black
S	9985	5131	9992	5138
M	9986	5132	9993	5139
L	9987	5133	9994	5140
XL	9988	5134	9995	5141
XXL	9989	5135	9996	5142
3XL	9990	5136	9997	5143
4XL	9991	5137	9998	5144
€	€ 47,31	€	€ 47,31	€ 47,31

### DESCRIPTION:

1 back pocket with velcro, large anterior pockets, elastic in waist, passing hammer-equipped, side pocket, tape-measure pocket, pockets for knee-guard with adjustable position

**COMPOSITION:** TD000 - 65% cotton - 35% polyester.

**WEIGHT:** 245 g/m<sup>2</sup>

**AREA OF USE:** housebuilding, industry, logistics.  
UNDETECTABLE BY METAL DETECTORS  
Minimum package: 1 piece.

### MAXIMUM RESISTANCE TO WASH

Sz.	CODES
	Navy
S	5145
M	5146
L	5147
XL	5148
XXL	5149
€	€ 47,31

EN ISO  
13688:2013

## RABAT - WOMAN



### DESCRIPTION:

width adjustable waist, passing hammer-equipped, tape-measure pocket, back pocket, pockets for knee-guard with adjustable position, 1 pocket on the breast with velcro, 2 large anterior pockets.

### COMPOSITION:

TD002 - 65% polyester - 35% cotton

**WEIGHT:** 245 g/m<sup>2</sup>

**AREA OF USE:** housebuilding, industry, logistics.

UNDETECTABLE BY METAL DETECTORS

Minimum package: 1 piece.

EN ISO  
13688:2013

### BIB - MOMBASA



Anthracite

Green

Black

Navy

### MAXIMUM RESISTANCE TO WASH

Sz.	CODES			
	Navy	Green	Anthracite	Black
S	5150	10778	5157	5164
M	5151	10779	5158	5165
L	5152	10780	5159	5166
XL	5153	10781	5160	5167
XXL	5154	10782	5161	5168
3XL	5155	10783	5162	5169
4XL	5156	10784	5163	5170
€	€ 61,46	€ 61,46	€ 61,46	€ 61,46

### COVERALL - LAGOS



Navy

Anthracite

Black

Green

### DESCRIPTION:

2 pockets on the breast with velcro, anterior pockets, central opening with zip, elastic in waist, insert penholder, passing hammer-equipped, adjustable cuff, pocket tape-measure, back pocket with velcro, pockets for knee-guard with adjustable position

### COMPOSITION:

TD002 - 65% polyester - 35% cotton.

**WEIGHT:** 245 g/m<sup>2</sup>

### AREA OF USE:

housebuilding, industry, logistics.

UNDETECTABLE BY METAL DETECTORS

Minimum package: 1 piece.

EN ISO  
13688:2013

### MAXIMUM RESISTANCE TO WASH

Sz.	CODES			
	Navy	Green	Anthracite	Nero
S	5171	5178	5185	5192
M	5172	5179	5186	5193
L	5173	5180	5187	5194
XL	5174	5181	5188	5195
XXL	5175	5182	5189	5196
3XL	5176	5183	5190	5197
4XL	5177	5184	5191	5198
€	€ 75,13	€ 75,13	€ 75,13	€ 75,13

### NAIROBI- WAISTCOAT

Navy



Antracite



Black



Green

**DESCRIPTION:**  
2 wide front pocket with velcro, 4 small pockets, side vent, badge holder pocket

**COMPOSITION:**  
TD002 - 65% cotton - 35% polyester.

**EN ISO**  
**13688:2013**

**WEIGHT:**  
245 g/m<sup>2</sup>

**AREA OF USE:**  
building, industry, logistics  
NOT DETECTABLE FROM METAL DETECTOR  
Minimum package: 1 piece.

#### MAXIMUM SEAL WHASHING

SIZE	CODES			
	Navy	Green	Antracite	BLACK
S	10026	5199	5206	5213
M	10027	5200	5207	5214
L	10028	5201	5208	5215
XL	10029	5202	5209	5216
XXL	10030	5203	5210	5217
3XL	10031	5204	5211	5218
4XL	10032	5205	5212	5219
€	€ 42,22	€ 42,22	€ 42,22	€ 42,22

#### DESCRIPTION:

Wide front pockets, elastic waistband, passing hammer holder, side pocket, ruler pocket, posterior pocket with velcro.

**COMPOSITION:** TD002 - 65% cotton - 35% polyester.

**WIGHT:** 245 g/m<sup>2</sup>

**AREA OF USE:** building, industry, logistics  
NOT DETECTABLE FROM METAL DETECTOR  
Minimum package: 1 piece.

#### MAXIMUM SEAL WHASHING

SIZE	CODES			
	Navy	Antracite	Green	Black
S	4354	4361	9374	5220
M	4355	4362	9375	5221
L	4356	4363	9376	5222
XL	4357	4364	9377	5223
XXL	4358	4365	9378	5224
3XL	4359	4366	9379	5225
4XL	4360	4367	9380	5226
€	€ 37,07	€ 37,07	€ 37,07	€ 37,07



Navy

Black



Green



Antracite



### BISSAU SHORTS

**EN ISO**  
**13688:2013**

### PORT LOUIS JACKET

**DESCRIPTION:** 2 chest pockets, jacket with buttons

EN ISO  
13688:2013

**COMPOSITION:** TD214 - 100% cotton

**WEIGHT:** 270 g/m<sup>2</sup>

**AREA OF USE:** industry, logistics  
NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.



SIZE	CODES
	Navy
44	5227
46	5228
48	5229
50	5230
52	5231
54	5232
56	5233
58	5234
60	5235
62	5236
64	5237
€	€ 35,48

### NAMIBIA SHIRT

**DESCRIPTION:** 1 chest pocket, 2 front pockets, close shirt with buttons

**COMPOSITION:** TD214 - 100% cotton

**WEIGHT:** 270 g/m<sup>2</sup>

**AREA OF USE:** industry, logistics

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

EN ISO  
13688:2013



CODES	SIZE
Navy	
5238	44
5239	46
5240	48
5241	50
5242	52
5243	54
5244	56
5245	58
5246	60
5247	62
5248	64
€ 39,43	€

### BOTSWANA JACKET

**DESCRIPTION:**

1 chest pocket, 2 front pocket, jacket with buttons



### ERITREA TROUSERS

**DESCRIPTION:**

Wide front pockets, trouser with central covering close with buttons, ruler pocket, posterior pocket close



### BANGUI SPORTS BIB

**DESCRIPTION:**

1 Chest pocket close with flap and buttons, wide front pockets, adjustable braces with elastic, ruler pocket, posterior pocket close with button



**COMPOSITION:** TD214 - 100% Cotton **WEIGHT:** 270 g/m<sup>2</sup> **AREA OF USE:** industry, logistics  
NOT DETECTABLE FROM METAL DETECTOR Minimum package: 1 piece.

SIZE	CODES		
	Botswana Navy	Eritrea Navy	Bangui Navy
44	5249	5260	5271
46	5250	5261	5272
48	5251	5262	5273
50	5252	5263	5274
52	5253	5264	5275
54	5254	5265	5276
€	€ 35,95	€ 33,64	€ 40,58

EN ISO  
13688:2013

CODES			Tg.
Botswana Navy	Eritrea Navy	Bangui Navy	
5255	5266	5277	56
5256	5267	5278	58
5257	5268	5279	60
5258	5269	5280	62
5259	5270	5281	64
-	-	-	-
€ 35,95	€ 33,64	€ 40,58	€

ABRASION  
RESISTANCE

RIP  
RESISTANCE



## BARCELONA- JEANS



### DESCRIPTION:

1 tool pocket on left leg, 2 pockets on the front, 2 pockets on the back, hammer ring, good resistance to washing, good resistance to abrasion, ergonomic cut, ruler pocket, stretch fabric, triple seam on areas subject to wear, adjustable waist, YKK zip®

From the new generation of workwear jeans is born the stretch cotton fabric mixed with THERMOLITE yarns, which increases the thermal insulation of the trousers without resorting to heavy fabrics, speeds up the drying of the fabric in case of light rains, improves freedom of movement thanks to the elastomer and to the reduced weight.

SIZE	CODES
	Blue
44	7153
46	7154
48	7155
50	7156
52	7157
54	7158
56	7159
58	7160
60	7161
62	7162
64	7163
€	€ 81,82

### COMPOSITION:

70% cotton  
27% polyester  
3% elastan

### WEIGHT:

330 g/m<sup>2</sup>

### AREA OF USE:

building, logistics

NOT DETECTABLE FROM  
METAL DETECTOR  
Minimum package: 1 piece.



### DESCRIPTION:

1 side pocket for tools, 2 front pockets, 2 back pockets, hammer ring, excellent breathability, ruler pocket, stretch fabric, triple seam on areas subject to wear, adjustable waist, YKK zip®

### COMPOSITION:

T019  
78% cotton  
21% polyester  
1% elastan

### WEIGHT:

290 g/m<sup>2</sup>

### AREA OF USE:

building, logistics

NOT DETECTABLE FROM  
METAL DETECTOR

Minimum package: 1 piece

SIZE	CODES
	Blue
44	5282
46	5283
48	5284
50	5285
52	5286
54	5287
56	5288
58	5289
60	5290
62	5291
64	5292
€	€ 97,73

Working jeans achieve excellent performance thanks to the combination of the best cotton denim fabric with technical yarns that improve the performance of workers. The brand new stretch denim fabric mixed with COOLMAX yarns is now able to leave the user dry even when the high temperature forces him to sweat more.

## PAMPLONA JEANS



# **PROTECTION FROM COLD** **AND BAD WEATHER-** **EXCELLENT SERVICE**

**RIP RESISTANCE**

**ABRASION RESISTANCE**

**COLOURS WHASHING RESISTANCE**

**ERGONOMICS**



Garments with maximum functionality, that satisfy the needs of equipment of those who work in cold and weather-prone environments. Excellent comfort: The construction is designed to facilitate movements, padding have limited thicknesses that do not lose efficiency in thermal performance.

In many cases the garments are equipped with Reflective Material that can give visibility in low light conditions and conform to the European standards of protection from cold environments (en: 342:2004) and/or from the weather (UNI EN 343:2008)

## ICESTORM PARK

**EN ISO**  
**13688:2013**

11 external pockets in total, 3 internal pockets of which one with zip, adjustable and detachable hood, ergonomic sleeves construction, thermo-taped seams, 3M™ Scotchlite™ reflective inserts  
Reflective Material - 8910 Silver Fabric, ear loop, adjustable cuff, mobile phone pocket with E-CARE, elbow patches in CORDURA®, adjustable waistband with belt, YKK® zip

### EXTERNAL ARTICLE OF CLOTHING DESCRIPTION:

### EXTERNAL ARTICLE OF CLOTHING COMPOSITION:

TD050 - 100% polyurethane coated polyester, LINING : 100% nylon

### WEIGHT:

200 g/m²

### AREA OF USE:

airports, agriculture, against the wind, against the rain,  
construction, industry, logistics  
NOT DETECTABLE FROM METAL DETECTOR



Antracite  
- Black

Cord  
- Black

Black  
- Black



Navy  
- Black



Fango  
- Nero

Grey  
- Black

Minimum package: 1 piece

size	CODICI					
	Black-Black	Mud-Black	Antrac.-Black	Navy-Black	Grey-Black	Cord-Black
44	7915	6593	6604	6582	6571	6132
46	7916	6594	6605	6583	6572	6561
48	7917	6595	6606	6584	6573	6562
50	7918	6596	6607	6585	6574	6563
52	7919	6597	6608	6586	6575	6564
54	7920	6598	6609	6587	6576	6565
56	7921	6599	6610	6588	6577	6566
58	7922	6600	6611	6589	6578	6567
60	7923	6601	6612	6590	6579	6568
62	7924	6602	6613	6591	6580	6569
64	7925	6603	6614	6592	6581	6570
€	€ 258,20	€ 258,20	€ 258,20	€ 258,20	€ 258,20	€ 258,20

### INTERNAL ARTICLE OF CLOTH DESCRIPTION:

1 chest pocket with zip, 2 front pockets, reflective inserts 3M™ Scotchlite™ Reflective Material - 8910 Silver Fabric, detachable sleeves with zip, inner zip bottom, YKK® zip

### INTERNAL ARTICLE OF CLOTHING COMPOSITION:

TD050 - 100% polyurethane coated polyester, FODERA: 100% nylon

### WEIGHT:

70 g/m²

**RIP RESISTANCE**

**COLOURS WASHING RESISTANCE**

**ABRASION RESISTANCE**

**ERGONOMICS**



#### DESCRIPTION:

large front pockets, adjustable hood, inner lining with fleece shoulder, longer back hem, reflective inserts 3M™ Scotchlite™ Reflective Material - 8910 Silver Fabric, ear loop, side vents, inside zip pocket, chest pocket with waterproof zip, cell phone pocket with E-CARE, fleece-lined pockets with fleece, rear pocket, inner zip bottom, YKK® zip

**COMPOSITION:** 100% polyurethane coated polyester, FODERA: 100% nylon, UNPHOLSTERED: 100% polyester, TD050

**WEIGHT:** 200 g/m²

**AREA OF USE:** airports, agriculture, building, industry, logistics  
NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece..

#### POLAR- UNPHOLSTERED VEST



Antracite - Black

EN ISO  
13688:2013



Nero - Nero

Navy - Black

Mud - Black

Grigio - Nero

Cord - Black

SIZE	CODES					
	Black - Black	Mud - Black	Antrac. - Black	Navy - Black	Grey - Black	Cord - Black
44	7056	6713	7045	6702	6691	6680
46	7057	6714	7046	6703	6692	6681
48	7058	6715	7047	6704	6693	6682
50	7059	6716	7048	6705	6694	6683
52	7060	6717	7049	6706	6695	6684
54	7061	6718	7050	6707	6696	6685
56	7062	6719	7051	6708	6697	6686
58	7063	6720	7052	6709	6698	6687
60	7064	6721	7053	6710	6699	6688
62	7065	6722	7054	6711	6700	6689
64	7066	6723	7055	6712	6701	6690
€	€ 99,10	€ 99,10	€ 99,10	€ 99,10	€ 99,10	€ 99,10

#### FROZEN UNPHOLSTERED TROUSERS

#### DESCRIPTION

wide posterior pocket with zipper, zip opening at the bottom and waterproof gaiters, double back pocket with flap, reinforced trouser bottoms, 3M™ Scotchlite™ reflective inserts Reflective Material - 8910 Silver Fabric, ergonomic cut of legs and knees, right side pocket, thermo-taping, reinforcement patches at the knees, adjustable waist, YKK® zip

**COMPOSITION:** 100% polyurethane coated polyester, LINING: 100% nylon, UNPHOLSTERED: 100% polyester, TD050

**WEIGHT:** 200 g/m²

**AREA OF USE :** airports, agricultur, against wind, against rain, building, industry, logistics

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

EN ISO  
13688:2013



Black - Black

Mud - Black

Grey - Black

Cord - Black

Antracite - Black

Navy - Black

SIZE	CODES				
	Black - Black	Mud - Black	Antrac. - Black	Grey - Black	Cord - Black
44	5293	5304	5315	5337	5348
46	5294	5305	5316	5338	5349
48	5295	5306	5317	5339	5350
50	5296	5307	5318	5340	5351
52	5297	5308	5319	5341	5352
54	5298	5309	5320	5342	5353
56	5299	5310	5321	5343	5354
58	5300	5311	5322	5344	5355
60	5301	5312	5323	5345	5356
62	5302	5313	5324	5346	5357
64	5303	5314	5325	5347	5358
€	€ 108,18	€ 108,18	€ 108,18	€ 108,18	€ 108,18



### CYCLONE UNPHOLSTERED JACKET

#### DESCRIPTION:

2 large front pockets, 2 inside pockets, 4 chest pockets, adjustable retractable hood, double front placket, inner lining with fleece shoulder, 3M™ Scotchlite™ reflective inserts Reflective Material - 8910 Silver Fabric, adjustable cuff, thermo-taping, patch reinforcement on the elbows, internal zip on the bottom, YKK® zip®

#### COMPOSITION:

100% polyurithane coated polyester, LINING: 100% nylon, IMBOTTITURA: 100% polyester, TD050

#### WEIGHT:

200 g/m²

#### AREA OF USE:

airports, agriculur, against wind, against rain, building, industry, logistics, cold palce

NOT DETACTABLE FROM METAL DETECTOR

Minimu package: 1 piece.

**EN ISO  
13688:2013**

Tg.	CODICI					
	Nero - Nero	Fango - Nero	Antrac. - Nero	Navy - Nero	Grigio - Nero	Corda - Nero
44	5359	5370	5381	5392	5403	5414
46	5360	5371	5382	5393	5404	5415
48	5361	5372	5383	5394	5405	5416
50	5362	5373	5384	5395	5406	5417
52	5363	5374	5385	5396	5407	5418
54	5364	5375	5386	5397	5408	5419
56	5365	5376	5387	5398	5409	5420
58	5366	5377	5388	5399	5410	5421
60	5367	5378	5389	5400	5411	5422
62	5368	5379	5390	5401	5412	5423
64	5369	5380	5391	5402	5413	5424
€	€ 151,36	€ 151,36	€ 151,36	€ 151,36	€ 151,36	€ 151,36

### PERFECT THERMIC ISOLATION

Anti-cold clothing guarantee a perfect thermic isolation, responding extensively at strict requests of EN 342:2004 and let a comfortable work activity even at extremly freezing temperature.

RIP RESISTANCE

COLOUR WASHING RESISTANCE

ABRASION RESISTANCE

ERGONOMICS



Antracite - Black

Mud - Black

Cord - Black

Grey - Black

Navy - Black

Black - Black

# DESCRIPTION:

2 inside pockets, one with zip, large front pockets, concealed hood, ergonomic sleeves construction, double chest pocket, one with zip, inner lining with fleece shoulder, tool inserts, reflective 3M™ Scotchlite™ Reflective inserts Material - 8910 Silver Fabric, eyelets for ventilation under the armpits, earphone loop, cell phone pocket with E-CARE, thermo-taping, internal zip bottom, YKK® zip

**COMPOSITION:** 1 00% polyurethane coated polyester,  
**LINING:** 100% nylon, **PADDING:** 100% polyester, TD050

**WEIGHT:** 200 g/m²

**AREA OF USE:** airports, agriculture, against the wind,  
against rain, construction, industry, logistics,  
for cold environments

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

## ICEBERG- UNPHOLSTERED JACKET



Antracite  
- Black

EN ISO  
13688:2013

Minimum package.



Grey  
- Black

Cord  
- Black

Mud  
- Black

Navy  
- Black

Black  
- Black

SIZE	CODES					
	Black Black	Mud- Black	Antrac. - Black	Navy - Black	Grey- Black	Cord - Black
44	6669	6647	6658	6636	6625	6128
46	6670	6648	6659	6637	6626	6615
48	6671	6649	6660	6638	6627	6616
50	6672	6650	6661	6639	6628	6617
52	6673	6651	6662	6640	6629	6618
54	6674	6652	6663	6641	6630	6619
56	6675	6653	6664	6642	6631	6620
58	6676	6654	6665	6643	6632	6621
60	6677	6655	6666	6644	6633	6622
62	6678	6656	6667	6645	6634	6623
64	6679	6657	6668	6646	6635	6624
€	€ 149,10	€ 149,10	€ 149,10	€ 149,10	€ 149,10	€ 149,10

## PIUMINO - MONTREAL



Antracite

EN ISO  
13688:2013

Minimum package: 1 piece.

Black

Navy

Fango



# DESCRIPTION:

2 large front pockets with zip, 2 inside pockets,  
2 chest pockets with zip, adjustable hood and  
detachable, detachable sleeves with zip, inside pocket,  
inside pocket with zip, YKK® zip

**COMPOSITION:** 1 00% nylon mini dobby / coated  
polyurethane, **LINING:** 100% polyester,  
**PADDING:** 100% polyester 230 g / m²

**WEIGHT:** 145 g/m²

**AREA DOF USE:** airports, agriculture, construction,  
industry, logistics, for cold environments

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

SIZE	CODE			
	Black	Mud	Antracite	Navy
44	5425	5436	5447	5458
46	5426	5437	5448	5459
48	5427	5438	5449	5460
50	5428	5439	5450	5461
52	5429	5440	5451	5462
54	5430	5441	5452	5463
56	5431	5442	5453	5464
58	5432	5443	5454	5465
60	5433	5444	5455	5466
62	5434	5445	5456	5467
64	5435	5446	5457	5468
€	€ 127,27	€ 127,27	€ 127,27	€ 127,27

## GIUBBINO - MOTOR



Avion -  
Blu



Corda  
- Verde



Nero



Fango  
- Nero

**EN ISO  
13688:2013**

2 chest pockets with waterproof zips, 4 large front pockets with flap, front opening with waterproof zip, adjustable hood, thermo-taped seams, without padding, inside pocket with zip.

### DESCRIZIONE:

### COMPOSITION:

100% nylon spalmato poliuretano,  
FODERA: 100% nylon

### WEIGHT:

200 g/m<sup>2</sup>

### AREA OF USE:

airports, agriculture,  
against the wind,  
against the rain,  
construction, industry, logistics  
NOT DETECTABLE FROM METAL DETECTOR  
Minimum package: 1 piece.

SIZE	CODES			
	Blck	Mud - Black	Cord - Green	Avion - Blue
44	5469	5480	5491	5502
46	5470	5481	5492	5503
48	5471	5482	5493	5504
50	5472	5483	5494	5505
52	5473	5484	5495	5506
54	5474	5485	5496	5507
56	5475	5486	5497	5508
58	5476	5487	5498	5509
60	5477	5488	5499	5510
62	5478	5489	5500	5511
64	5479	5490	5501	5512
€	€ 136,15	€ 136,15	€ 136,15	€ 136,15

## PERFECT THERMIC ISOLATION

The anti-cold clothing guarantees perfect thermal insulation, responding widely to the stringent requirements of EN 342: 2004 e allowing a comfortable working activity even at extremely cold temperatures.

### DESCRIPTION:

2 wide front pocket with snap, 2 chein pocket with snap, zip YKK®

### COMPOSITION:

100% nylon mini dobbby / polyurethane coated,

LINING: 100% nylon, padding: 100% polyester - 80 g / m<sup>2</sup>

WEIGHT: 120 g/m<sup>2</sup>

### AREA OF USE:

airports, agriculture, construction, industry, logistics

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

SIZE	CODES			
	Orange	Mud	Navy	Antracite
44	5513	5524	5535	5546
46	5514	5525	5536	5547
48	5515	5526	5537	5548
50	5516	5527	5538	5549
52	5517	5528	5539	5550
54	5518	5529	5540	5551
56	5519	5530	5541	5552
58	5520	5531	5542	5553
60	5521	5532	5543	5554
62	5522	5533	5544	5555
64	5523	5534	5545	5556
€	€ 71,60	€ 71,60	€ 71,60	€ 71,60



Orange



Mud



Navy



Antracite

**EN ISO  
13688:2013**

## PIUMINO - STIRLING



**DESCROPTION:**

elastic at the bottom, inside pocket, mobile phone pocket

**COMPOSITION**

TD213 EXTERNAL FABRIC: 65% polyester, 35% cotton - Filling: 100% polyester  
- 120 g / m<sup>2</sup> - Lining: 100% polyester

**WEIGHT:**

140 g/m<sup>2</sup>

**AREA OF USE:**

agriculture, construction, industry, logistics, for cold environments

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

SIZE	CODES
	Navy
S	10501
M	10502
L	10503
XL	10504
XXL	10505
3XL	10506
€	€ 41,52

EN ISO  
13688:2013



**ALDAN- UNPHOLSTERED VEST**

**ENISEJ-UNPHOLSTERED VEST**

**DESCRIPTION:**

1 chest pocket with zip, detachable zip sleeves, stretch cuffs, inside pocket, mobile phone pock

**COMPOSITION:**

TD213 EXTERNAL FABRIC: 65% polyester, 35% cotton - Filling: 100% polyester -  
120 g / m<sup>2</sup> - Lining: 100% polyester

**WEIGHT:**

140 g/m<sup>2</sup>

**AREA OF USE:**

airports, agriculture, construction, industry, logistics, for cold environments  
NOT DETECTABLE FROM METAL DETECTOR  
Minimum package: 1 piece.

EN ISO  
13688:2013



SIZE	CODES
	Navy
S	10487
M	10488
L	10489
XL	10490
XXL	10491
3XL	10492
€	€ 62,63



# WATERPROOF AGAINST RAIN

RIP RESISTANCE

ABRASION RESISTANCE

COLOURE WASHING RESISTANCE

ERGONOMICS

BREATHABILITY

Protective clothing against rain, made of elastic and tearproof fabric with polyurethane waterproofing.

The seams are heat sealed and sealed to guarantee maximum strength and resistance to water penetration.

Complies with EN 343: 2003 + A1: 2007 can be easily worn on other work clothing.



**DESCRIPTION:**

2 large front pockets, adjustable retractable hood, fully heat-sealed, adjustable cuff, bottom adjustment via drawstring, rear ventilation system, stretch and windproof fabric, YKK® zip

**COMPOSITION:**

100% polyurethane coated polyester

**WEIGHT:**

170 g/m²

**AREA OF USE:**

airports, agriculture, high visibility,  
against wind, against rain,  
road works, logistics, railway sector  
NOT DETECTABLE FROM METAL DETECTOR  
Minimum package: 1 piece.

SIZE	CODES	
	Yellow	Orange
S	5557	5563
M	5558	5564
L	5559	5565
XL	5560	5566
XXL	5561	5567
3XL	5562	5568
€	€ 102,28	€ 109,10

**EN 340:2003**

**EN 343:2003  
+A1:2007**

**EN ISO  
20471:2013**



**MERIDA- JACKET**

**MICENE- COVER TROUSERS**



With the same size, the wearability of the trouser covers is wider than that of the trousers as the head it must be worn over the trousers.

**DESCRIZIONE:**  
fully heat-sealed, adjustable bottom, waist adjustment by drawstring, stretch and windproof fabric

**COMPOSITION:**  
100% polyurethane coated polyester

**WEIGHT:**  
170 g/m²

**AREA OF USE:**  
airports, agriculture, high visibility,  
against wind, against rain,  
road works, logistics, railway sector  
NOT DETECTABLE FROM METAL DETECTOR  
Minimum package: 1 piece.

**EN 340:2003**

**EN 343:2003  
+A1:2007**

**EN ISO  
20471:2013**

SIZE	CODES	
	Yellow	Orange
S	5569	5575
M	5570	5576
L	5571	5577
XL	5572	5578
XXL	5573	5579
3XL	5574	5580
€	€ 59,10	€ 60,22

### RAINSWEPT- COAT



Yellow

Green

Navy

**EN 343:2003  
+A1:2007**

**EN ISO  
13688:2013**

#### DESCRIPTION:

1 chest pocket, 2 large front pockets, adjustable retractable hood, fully heat-sealed, adjustable cuff, rear ventilation system, stretch and windproof fabric, YKK® zip

#### COMPOSITION:

100% polyurethane coated polyester

#### WEIGHT:

170 g/m<sup>2</sup>

#### AREA OF USE:

agriculture, against wind, against rain, logistics

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

SIZE	CODES		
	Yellow	Green	Navy
S	5581	5587	5593
M	5582	5588	5594
L	5583	5589	5595
XL	5584	5590	5596
XXL	5585	5591	5597
3XL	5586	5592	5598
€	€ 79,54	€ 79,54	€ 79,54

#### DESCRIPTION:

**TROUSERS COVERS:** completely thermo-welded, stretch fabric and windproof, regulation of life through drawstring, adjustable bottom.

**JACKET:** completely heat-sealed, stretch and windproof fabric, large front pockets with flaps, retractable hood, regulation waist by drawstring, adjustable cuffs

#### COMPOSITION:

100% polyurethane coated polyester

#### WEIGHT:

170 g/m<sup>2</sup>

#### AREA OF USE:

agriculture, against wind, against rain, logistics

NOT DETECTABLE FROM METAL DETECTORS

Minimum package: 1 piece

**EN 343:2003  
+A1:2007**

**EN ISO  
13688:2013**

### RAINFALL- JACKET + COVER TROUSERS



Yellow

With the same size, the wearability of the trouser covers is wider than that of the trousers as the the head should be worn over the trousers.

SIZE	CODES		
	Yellow	Green	Navy
S	4415	4408	4401
M	4416	4409	4402
L	4417	4410	4403
XL	4418	4411	4404
XXL	4419	4412	4405
3XL	4420	4413	4406
4XL	4421	4414	4407
€	€ 82,97	€ 82,97	€ 82,97



Navy

Green

# HIGH VISIBILITY IN EVERY CLIMATE CONDITION

RIP RESISTANCE

ABRASION RESISTANCE

COLOUR WHASHING RESISTANCE

ERGONOMIS

BREAHABIILY



The article clothing of this line are all certified EN ISO 20471: 2013, a range of products for applications where it is mandatory to be clearly visible to protect against accidents caused by poor visibility.



**PROTECTION- PARKA**

Arancione



**EXTERNAL CLOTH DESCRIPTION:**  
4 large front pockets, bands and 3M™ Scotchlite™ reflex inserts  
Reflective Material - 8906 Silver Fabric, adjustable and detachable  
hood, double frontal placket, earphone loop, adjustable cuff, inside  
pocket with zip, mobile phone pocket with E-CARE, thermo-taping,  
reinforcement patch on elbows, adjustable waist with drawstring,

**INTERNAL CLOTH DESCRIPTION:**

3M™ Scotchlite™ reflective bands and inserts Reflective  
Material - 8906 Silver Fabric, detachable sleeves  
with zip, elasticated cuffs and collar, chest pocket  
and 2 bottom pockets with waterproof zips, YKK® zip

**EXTERNAL CLOTH COMPOSITION:**

EXTERNAL FABRIC: TD060 - 100% polyester  
coated polyurethane, LINING: 100% nylon

**INTERNAL CLOTH COMPOSITION:**

EXTERNAL FABRIC: TD061 - 100% polyurethane coated polyester,  
PADDING: 100% polyester 160g / m²,  
LINING: 100% nylon

**EXTERNAL CLOTH WEIGHT:**

200 g/m²

**INTERNAL CLOTH WEIGHT:**

150 g/m²

**AREA OF USE:**

airports, agriculture, high visibility,  
against the wind,  
against the rain, industry,  
road works, logistics,  
for cold environments, railway sector

EN 342:2004

EN 343:2003  
+A1:2007

EN ISO  
20471:2013

EN ISO  
13688:2013

Giallo



SIZE	CODES	
	Orange	Yellow
44	4597	9672
46	4598	9673
48	4599	9674
50	4600	9675
52	4601	9676
54	4602	9677
56	4603	9678
58	4604	9679
60	4605	9680
62	4606	9681
64	4607	9682
€	€ 286,37	€ 286,37

The anti-cold clothing ensures perfect thermal insulation, responding widely to the stringent requirements of EN 342: 2004 and allowing a comfortable working activity even at extremely cold temperatures. As shown in the table the outfits are certified to allow you to work a whole day (8 hours)  
up to -12 ° C if in a static position,  
or even at -36 ° C if moving.

#### DESCRIPTION:

large front pockets, bands and 3M™ Scotchlite™ reflex inserts  
Reflective Material - 8910 Silver Fabric, concealed adjustable  
hood, inner lining with fleece shoulder, longer back hem, pen  
insert, zip-up fleece sleeves, ear loop, splits side pockets, inside  
zip pocket, chest pocket with waterproof zip, cell phone pocket  
with E-CARE, YKK® zip

#### COMPOSITION:

TD060 - 100% polyurethane coated polyester,  
PADDING: 100% polyester, LINING: 100% nylon

#### WEIGHT:

200 g/m²

#### AREA OF USE:

airports, agriculture, high visibility, industry,  
logistics, railway sector

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

#### DETACHABLE SLEEVES

EN ISO  
20471:2013

#### SHOULDER LINING IN BATTE-

EN ISO  
13688:2013

SIZE	CODES	
	Orange	Yellow
44	4575	4564
46	4576	4565
48	4577	4566
50	4578	4567
52	4579	4568
54	4580	4569
56	4581	4570
58	4582	4571
60	4583	4572
62	4584	4573
64	4585	4574
€	€ 142,29	€ 142,29

#### SIGNAL- UPHOLSTERED JACKET



#### - HIGH VISIBILITY -

Garments with maximum functionality, which meet the  
equipment needs of those working in cold and weatherproof  
environments, intended for applications where it is mandatory  
to be clearly visible to protect against accidents caused by poor  
visibility.

The garments are equipped with retro-reflective bands.

## RESCUE- UPHOLSTERED JACKET

### DESCRIPTION:

2 chest pockets with waterproof zips, 3M™ Scotchlite™ reflective bands and inserts Reflective Material - 8906 Silver Fabric, adjustable and detachable hood, double front placket, inner lining with fleece shoulder, ear loop, adjustable cuff, inside pocket, mobile phone pocket with E-CARE, thermo-taping, reinforcement patch on elbows, YKK® zip

### COMPOSITION

TD060 - 100% polyurethane coated polyester,  
PADDING: 100% polyester, LINING: 100% nylon

### WEIGHT:

200 g/m²

### AREA OF USE:

Agriculture, high visibility, against wind, against rain, industry, logistics raily sector.

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.



Orange

Yellow

EN 342:2004

EN 343:2003  
+A1:2007

EN ISO  
20471:2013

EN ISO  
13688:2013

SIZE	CODES	
	Orange	Yellow
44	4619	4608
46	4620	4609
48	4621	4610
50	4622	4611
52	4623	4612
54	4624	4613
56	4625	4614
58	4626	4615
60	4627	4616
62	4628	4617
64	4629	4618
€	€ 171,82	€ 171,82

### DESCRIPTION:

2 back pockets with flap, large front pockets with zip, zip opening on the bottom and waterproof gaiters, bands and 3M™ Scotchlite™ reflex inserts Reflective Material - 8910 Silver Fabric, ergonomic cut of legs and knees, side pocket with flap, thermo-taping, patches reinforcement at the knees, adjustable waist, YKK® zip

### COMPOSIZIONE:

TD060 - 100% poliestere spalmato poliuretano, IMBOTTITURA: 100% poliestere, FODERA: 100% nylon

### WEIGHT:

200 g/m²

NOT DETECTABLE FROM

Minimum package: 1 pieceo.

## PANTALONI IMBOTTITI - SAFE

SIZE	CODES	
	Orange	Yellow
44	5599	10507
46	5600	10508
48	5601	10509
50	5602	10510
52	5603	10511
54	5604	10512
56	5605	10513
58	5606	10514
60	5607	10515
62	5608	10516
64	5609	10517
€	€ 147,96	€ 147,96

EN 342:2004

EN 343:2003  
+A1:2007

EN ISO  
20471:2013

EN ISO  
13688:2013



Giallo

Orange



# DESCRIPTION:

3M™ Scotchlite™ Reflective Material wide front pockets, bands and inserts Reflective Material - 8910 Silver Fabric, double inside pocket, adjustable ear loop, cuff and waist width, ergonomic sleeve cut, cell phone pocket with E-CARE, chest pockets, YKK® zip

# COMPOSITION:

TD030 - 60% cotton - 40% polyester

# WEIGHT:

240 g/m²

**AREA OF USE:** airports, agriculture, high visibility, industry, road works

logistics, railway sector

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

# GIACCA - SIGHT

EN ISO  
20471:2013

EN ISO  
13688:2013

Yellow

Arancione

SIZE	CODE	
	Orange	Yellow
44	4433	4422
46	4434	4423
48	4435	4424
50	4436	4425
52	4437	4426
54	4438	4427
56	4439	4428
58	4440	4429
60	4441	4430
62	4442	4431
64	4443	4432
€	€ 108,18	€ 108,18

# RAY- TROUSERS

3M™ Scotchlite™ Reflective Material wide front pockets, bands and inserts Reflective Material - 8910 Silver Fabric, double back pocket, one with flap, hammer loop, ergonomic cut of legs and knees, side pocket, coin pocket, ruler pocket, adjustable waist, YKK® zip

# COMPOSITION:

TD030 - 60% cotton - 40% polyester

# WEIGHT:

240 g/m²

# AREA OF USE:

airports, agriculture, high visibility, industry, road works, logistics, railway sector

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.



Orange



Yellow

EN ISO  
20471:2013

EN ISO  
13688:2013

SIZE	CODES	
	Orange	Yellow
44	4469	4458
46	4470	4459
48	4471	4460
50	4472	4461
52	4473	4462
54	4474	4463
56	4475	4464
58	4476	4465
60	4477	4466
62	4478	4467
64	4479	4468
€	€ 89,78	€ 89,78



**ROUTE  
SWEATSHIRT**



Arancione

Yellow

**EN ISO  
20471:2013**

**EN ISO  
13688:2013**

**DESCRIPTION:**

elasticated bottom and cuffs,  
side pockets with zip closure, zip  
closure of the neck

**COMPOSITION:**

100% polyester

**WEIGHT:**

240 g/m<sup>2</sup>

**AREA OF USE:**

airports, high visibility, industry,  
road works, logistics,  
railway sector

NOT DETECTABLE

DAI METAL DETECTOR

Minimum package: 1 piece.

SIZE	CODES	
	Orange	Yellow
S	5610	5617
M	5611	5618
L	5612	5619
XL	5613	5620
XXL	5614	5621
3XL	5615	5622
4XL	5616	5623
€	€ 81,82	€ 81,82

**DANGER  
SHIRT**



Orange

Yellow

**EN ISO  
20471:2013**

**EN ISO  
13688:2013**

**DESCRIPTION:**

side vents,  
breathable 3D fabric

**COMPOSITION:**

100% polyester 3D

**WEIGHT:**

150 g/m<sup>2</sup>

**AREA OF USE:**

airports, agriculture, high visibility,  
industry, road works, logistics,  
railway sector

NOT DETECTABLE

FROM METAL DETECTOR

SIZE	CODES	
	Orange	Yellow
S	5624	5631
M	5625	5632
L	5626	5633
XL	5627	5634
XXL	5628	5635
3XL	5629	5636
4XL	5630	5637
€	€ 39,78	€ 39,78

**CLEAR  
WAISTCOAT**



Orange

Yellow

**EN ISO  
20471:2013**

**EN ISO  
13688:2013**

**DESCRIPTION:**

completely edged, double  
horizontal reflex band and vertical  
left side pocket

**COMPOSITION:**

100% polyester

**WEIGHT:**

120 g/m<sup>2</sup>

**AREA OF USE:**

airports, agriculture, high visibility,  
industry, road works, logistics,  
railway sector

NOT DETECTABLE

FROM METAL DETECTOR

Minimum package: 1 piece.

Tg.	CODES	
	Orange	Yellow
S	4535	4528
M	4536	4529
L	4537	4530
XL	4538	4531
XXL	4539	4532
3XL	4540	4533
4XL	4541	4534
€	€ 22,05	€ 22,05

# TECHNICAL FABRICS AND BREATHABILITY

ERGONOMICS

BREATHABILITY

COLOUR WASHING RESISTANCE



A line of products designed to give comfort in any work situation thanks to the use of innovative technical fabrics that give great functionality.

Stretch and highly breathable fabrics allow complete freedom of movement, keeping the body dry thanks to its ability to rapidly absorb sweat.

For the winter season we offer warm and comfortable fleece, reinforced at the elbows and characterized by an innovative design.

### RIDER- FLEECE JACKET



Antracite  
- Black

Cord  
- Black

Grigio  
- Nero

Navy  
- Black

Black  
- Black



Mud  
- Black

#### DESCRIPTION:

Wide pocket with zip clousure at bottom badge ring, central opening with YKK® zip, reflex inserts, elasticated cuffs, waist adjustment by drawstring, chest pocket, patches anti-abrasion on sleeves

#### COMPOSITION:

100% polyester

#### WEIGHT:

280 g/m²

#### AREA OF USE:

building, industry, logistics  
 NOT DETECTABLE FROM METAL DETECTOR  
 Minimum package: 1 piece.

SIZE	CODES					
	Black - Black	Antrac- Black	Mud - Black	Grey - Black	Cord-- Black	Navy - Black
S	4317	4310	4303	4296	4282	4289
M	4318	4311	4304	4297	4283	4290
L	4319	4312	4305	4298	4284	4291
XL	4320	4313	4306	4299	4285	4292
XXL	4321	4314	4307	4300	4286	4293
3XL	4322	4315	4308	4301	4287	4294
4XL	4323	4316	4309	4302	4288	4295
€	€ 55,47	€ 55,47	€ 55,47	€ 55,47	€ 55,47	€ 55,47

#### DESCRIPTION:

large pockets on the bottom with zip closure, badge ring, central opening with YKK® zip, reflex inserts, elasticated cuffs, waist adjustment by drawstring, chest pocket, anti-abrasion patches on sleeves

#### COMPOSITION:

100% polyester

#### WEIGHT:

280 g/m²

#### AREA OF USE:

building, industry, logistics  
 NOT DETECTABLE FROM METAL DETECTOR  
 Minimum package: 1 piece.

SIZE	CODES
	Navy - Black
S	5638
M	5639
L	5640
XL	5641
XXL	5642
€	€ 54,55

### RIDER WOMAN- FLEECE JACKET



#### DESCRIPTION:

large pockets on the bottom with zip closure, central opening with YKK® zip, elasticated ribbed hem and cuffs, reflex inserts, chest pocket with YKK® zip, anti-abrasion patches on sleeves a

#### COMPOSITION:

100% polyester

#### WEIGHT:

280 g/m<sup>2</sup>

#### AREA OF USE:

building, industry, logistics

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

#### FAST- FLEECE SWEATHSHIRT



Antracite  
- Black

Corda  
- Nero

Grey  
- Black

Mud  
- Black

Black  
- Black



Navy  
- Black

SIZE	CODES					
	Black	Mud	Antracite	Cord	Navy	Grey
S	10718	6482	6489	6129	6468	6475
M	10719	6483	6490	6462	6469	6476
L	10720	6484	6491	6463	6470	6477
XL	10721	6485	6492	6464	6471	6478
XXL	10722	6486	6493	6465	6472	6479
3XL	10723	6487	6494	6466	6473	6480
4XL	10724	6488	6495	6467	6474	6481
€	€ 53,18	€ 53,18	€ 53,18	€ 53,18	€ 53,18	€ 53,18

#### AGADIR- SWEATSHIRT



Antracite

Navy

Mud

Black



Red

#### DESCRIPTION:

bottom and cuffs in elastic rib

#### COMPOSITION:

65% polyester - 35% cotton

#### WEIGHT:

280 g/m<sup>2</sup>

#### AREA OF USE:

building, industry, logistics

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

SIZE	CODES				
	Black	Red	Navy	Mud	Antracite
S	4247	4254	4261	4268	4275
M	4248	4255	4262	4269	4276
L	4249	4256	4263	4270	4277
XL	4250	4257	4264	4271	4278
XXL	4251	4258	4265	4272	4279
3XL	4252	4259	4266	4273	4280
4XL	4253	4260	4267	4274	4281
€	€ 40,68	€ 40,68	€ 40,68	€ 40,68	€ 40,68



### ARSENAL- SWEATSHIRT



Black



Navy



Green



Antracite



Mud

**DESCRIPTION:**  
sweatshirt with zip at the neck, hem and cuffs in elastic rib

**COMPOSITION:**  
65% polyester - 35% cotton

**WEIGHT:**  
280 g/m<sup>2</sup>

**AREA OF USE:**  
building, industry, logistics  
NOT DETECTABLE FROM METAL DETECTOR  
Minimum package: 1 piece.

SIZE	CODES				
	Antracite	Navy	Black	Green	Mud
S	4342	4330	4324	4348	4336
M	4343	4331	4325	4349	4337
L	4344	4332	4326	4350	4338
XL	4345	4333	4327	4351	4339
XXL	4346	4334	4328	4352	4340
3XL	4347	4335	4329	4353	4341
€	€ 45,45	€ 45,45	€ 45,45	€ 45,45	€ 45,45

### DESCRIPTION:

hood, sweatshirt with bottom and cuff in elastic rib

### COMPOSITION:

65% polyester - 35% cotton

### WEIGHT:

280 g/m<sup>2</sup>

### AREA OF USE:

building, industry, logistics  
NOT DETECTABLE FROM METAL DETECTOR  
Minimum package: 1 piece.

SIZE	CODES			
	Antracite	Navy	Black	White
S	5643	5649	5655	5661
M	5644	5650	5656	5662
L	5645	5651	5657	5663
XL	5646	5652	5658	5664
XXL	5647	5653	5659	5665
3XL	5648	5654	5660	5666
€	€ 45,22	€ 45,22	€ 45,22	€ 45,22



Antracite



Black



White

### BEIRUT- SWEATSHIRT



Navy

# DESCRIPTION:

long sleeve shirt, closure with plastic buttons in the same color of the fabric, collar with buttons stopper (button - down), bottom rounded, adjustable cuff with double button, chest pocket on the left side closed with plastic button

# COMPOSITION:

100% cotton

# WEIGHT:

130 g/m<sup>2</sup>

# AREA OF USE:

building, industry, logistics

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.



# WITSHIRE - SHIRT

Antracite

White

Navy

Royal

Nero

Light blue



SIZE	CODES					
	Royal	Nero	Antracite	White	Light blue	Navy
S	4232	4222	4217	4237	4212	4227
M	4233	4223	4218	4238	4213	4228
L	4234	4224	4219	4239	4214	4229
XL	4235	4225	4220	4240	4215	4230
XXL	4236	4226	4221	4241	4216	4231
€	€ 45,22	€ 45,22	€ 45,22	€ 45,22	€ 45,22	€ 45,22

# CLASSIC- POLO SHIRT



Mud

Antracite

Light blue

Grey

Navy



Cord

# DESCRIPTION:

fabric collar, elasticated cuffs, chest pocket

# COMPOSITION:

100% cotton piquet

# WEIGHT:

250 g/m<sup>2</sup>

# AREA OF USE:

building, industry, logistics

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

SIZE	CODES					
	Mud	Antracite	Light blue	Grey	Cord	Navy
S	5667	5674	5688	5681	9888	5695
M	5668	5675	5689	5682	9889	5696
L	5669	5676	5690	5683	9890	5697
XL	5670	5677	5691	5684	9891	5698
XXL	5671	5678	5692	5685	9892	5699
3XL	5672	5679	5693	5686	9893	5700
4XL	5673	5680	5694	5687	9894	5701
€	€ 46,59	€ 46,59	€ 46,59	€ 46,59	€ 46,59	€ 46,59

## ORKNEY- SHIRT

### DESCRIPTION:

short sleeve shirt, closure with plastic buttons in the same color of the fabric, collar with buttons (button - down), rounded bottom, cuffed sleeve hem, chest pocket on the left side closed with plastic button

### COMPOSITION:

100% cotton

### WEIGHT:

130 g/m<sup>2</sup>

### AREA OF USE:

building, industry, logistics  
NOT DETECTABLE FROM METAL DETECTOR  
Minimum package: 1 piece.



Stretch and highly breathable fabrics allow complete freedom of movement, keeping the body dry thanks to its rapid absorption capacity of sweat.

SIZE	CODES					
	Royal	Antracite	Black	White	Light blue	Navy
S	5702	5707	5712	5717	10211	10221
M	5703	5708	5713	5718	10212	10222
L	5704	5709	5714	5719	10213	10223
XL	5705	5710	5715	5720	10214	10224
XXL	5706	5711	5716	5721	10215	10225
€	€ 36,37	€ 36,37	€ 36,37	€ 36,37	€ 36,37	€ 36,37

### DESCRIPTION:

neck rib polo shirt

### COMPOSITION:

100% cotton piquet

### WEIGHT:

180 g/m<sup>2</sup>

### AREA OF USE:

building, industry, logistics  
NOT DETECTABLE FROM METAL DETECTOR  
Minimum package: 1 piece.



## GIZA- POLO SHIRT



SIZE	CODES						
	Red	Navy	Mud	Cord	Antracite	Black	Whit
S	4098	4104	4110	4092	4116	4122	4128
M	4099	4105	4111	4093	4117	4123	4129
L	4100	4106	4112	4094	4118	4124	4130
XL	4101	4107	4113	4095	4119	4125	4131
XXL	4102	4108	4114	4096	4120	4126	4132
3XL	4103	4109	4115	4097	4121	4127	4133
€	€ 27,27	€ 27,27	€ 27,27	€ 27,27	€ 27,27	€ 27,27	€ 27,27

ZANZIBAR- T-SHIRT



Yellow

Green

**DESCRIPTION:**

Cotton T- shirt solid colour

**COMPOSITION:**

100% cotton

**WEIGHT:**

140 g/m<sup>2</sup>

**AREA OF USE:**

building, industry, logistics

NOT DETECTABLE FROM METAL DETECTOR

Minimum package: 1 piece.

Orang

White

Grey

Mud



Royal

Red

Black

Navy



SIZE	CODES									
	Orange	Yellow	Grey	Navy	Mud	Black	Green	White	Red	Royal
S	4032	4056	4068	4044	4050	4062	4074	4086	4038	4080
M	4033	4057	4069	4045	4051	4063	4075	4087	4039	4081
L	4034	4058	4070	4046	4052	4064	4076	4088	4040	4082
XL	4035	4059	4071	4047	4053	4065	4077	4089	4041	4083
XXL	4036	4060	4072	4048	4054	4066	4078	4090	4042	4084
XXXL	4037	4061	4073	4049	5055	4067	4079	4091	4043	4085
€	€ 15,22	€ 15,22	€ 15,22	€ 15,22	€ 15,22	€ 15,22	€ 15,22	€ 15,22	€ 15,22	€ 15,22



# DISPOSABLE CLOTHING.

## EXCELLENT VERSATILITY

**ERGONOMICS**

**BREATHABILITY**

**RIP RESISTANCE**

**ABRASION RESISTANCE**

Disposable clothing with a range of protective suits against chemical risks classified as third-class PPE and a range of first-class suits suitable for industrial cleaning operations.

The coveralls are characterized by the ergonomics of the garments and the excellent wearability that facilitates the movements of the operator during his work.



**SAFE-SCREEN DISPOSABLE COVERALL**



**DESCRIPTION:**

3-piece hood with elastic around the opening, elasticated cuffs, ankles and waist, nylon zip with self-adhesive flap

**COMPOSITION:**

100% polypropylene - SMS

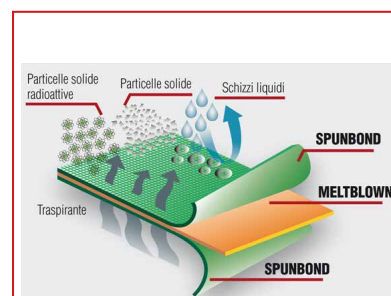
**WEIGHT:**

55 g/m<sup>2</sup>

**AREA OF USE:**

agriculture, ATEX environments,  
police forces, chemical industry,  
pharmaceutical industry, asbestos disposal,  
waste disposal, wastewater treatment  
NOT DETECTABLE FROM METAL DETECTOR  
Minimum package: 1 piece.

SIZE	CODES
	White
S	10737
M	10738
L	10739
XL	10740
XXL	10741
€	€ 9,55



The acronym SMS (SPUNBOND - MELTBLOWN - SPUNBOND) indicates the three layers of the fabric. The SPUNBOND gives a good resistance to breakage and improves softness while the MELTBLOWN has a very high density fiber of thin fibers that increases the filtering characteristic. The SMS fabric has high breathability performances that reduce the user's thermal stress.



- The garment offers protection from solid particles and splashes of chemicals (Type 5/6).
- EN 1073-2 approved for protection against radioactive dust.
- The design of the garment facilitates the movements of the operator.
- Zipper with self-adhesive protection flap for greater protection against contaminants.
- Elasticated hood, wrists, waist and ankles for better grip of the garment, an increased barrier effect towards the contaminant.

# TECHNICAL CLOTHING: AIB AND INDUSTRIAL FIRE ESCAPE

**ERGONOMICS**

**EXCELLEN VISIBILITY**

**RIP RESISTANCE**

**BREATHABILITY**

The disposable clothing collection includes a range of chemical protection suits that is characterized by excellent wearability and maximum ergonomics combined with good breathability and a high level of protection. The high quality of the fabrics used ensures the protection of the operator from a variety of contaminants present in industrial activities. The suits are characterized by the ergonomics of the garments and the excellent wearability that facilitates the operator's movements during his work.



### ARMID FIBER OUTFIT



Heat-resistant overalls for high temperatures, typical of the category of protection from heat and flame. Complete set here in the model without gas-holder, consisting of hood for face protection, full suit, boots and gloves, all in aluminized aramidic fiber, heat protection clothing for steel, glass and foundry.

The set includes:

- Hood with polycarbonate visor Art. 01KD, in aluminized aramidic fiber.
- Whole suit without bottle holder
- Gloves 5 fingers of 38 cm
- Calzari

UNI EN ISO 11612: 2009 A1 B1 C3 D2 E3  
Tested at 20 Kw (about 500 ° C)

CODES	PRICE
10102	€ 1.804,30

Minimum package: 1 pie.

UNI EN ISO  
11612:2009

### ALUMINIZED OUTFIT

Suit suitable for heat and flame protection, consisting of an aluminized aramid fibre cap internally lined with fire-retardant wool and carbon; Suitable for use with full face mask and dispensing groups, in vitro interchangeable gilded multi-layer visor; Suspenders under Scellar with adjustable snap button for correct positioning; Jacket + trousers in aramidic aluminized fabric lined internally in carbon fabric and flame retardant wool; Knob Gloves with aramidic aluminized fabric back and silicone aramid fibre palm, inner lining in carbon felt; Aluminized Aramid Fibre boots lined internally with fire-retardant wool. Suit ready to use with a self-breathing unit. Rear closure with zipper covered with patella.

UNI EN ISO 11612:2009 tested at 40 KW (approx. 1000 °c for over 120 sec.)

EN 1486:2007, protection devices for firefighters

CODE	PRICE
10101	€ 6.311,30

Minimum package: 1 piece.

UNI EN ISO  
11612:2009





### LEATHER STRAP

Tool-holder belt made of a single-layer non-coupled leather strip. Sturdy buckle in chromed metal. Buckle protection in grain leather. Two leather loops with carabiner and a leather loop with loop.

Belt length mm.

1200, height mm. 50,

thickness mm. 4.

The leather used is

been tested for

fire resistance

in accordance with EN 532/94.

Minimum package: 1 piece.

EN  
532/94



CODES	PRICE
6175	€ 87,75

### ARAMID BALACLAVA

Balaclava packaged with 100% aramid knit fabric 150 gr / mq. Model with elasticated front opening for use with goggles and anti-smoking respirators, stitching with aramid yarn.

UNI EN ISO  
11612:2009



The D.P.I. it is certified in compliance with the Directive 89/686 / EEC of 21.12.89 and the Legislative Decree 475/92 by the Notified Body EEC 0624 as a second category protection garment according to UNI EN ISO 11612: 2009 (A1 B1 C1). Minimum package: 1 piece.

CODES	PRICE
6037	€ 22,27

### COTTON FIREPROOFED COVERALL

Coverall made with 100% cotton Proban fabric from 330 gr / sqm. One-piece suit; Shirt collar; Central closure with double-slider metal zipper; External Paramoning; Lap sleeves; Elastic wrists; Elastic back waistband; Seams with aramid yarn.



II The D.P.I. is certified in compliance with the Directive 89/686 / EEC of 21.12.89 and the Legislative Decree 475/92 by the Notified Body EEC 0624 as a category II protective garment according to UNI EN ISO 11612: 2009 (A1 B1 C1 F1) and UNI EN 340/04. Minimum package: 1 piece.

UNI EN ISO  
11612:2009

EN  
340/04

CODES	PRICE	SIZE
9295	€ 220,05	S (44-46)
9296	€ 220,05	M (48-50)
9297	€ 220,05	L (52-54)
9298	€ 220,05	XL (56-58)
9299	€ 220,05	XXL (60-62)
9300	€ 220,05	XXXL (64-66)

On request possibility to apply upper and lower reflective bands.

### ARAMIDE JACKET

Tris 1 jacket made of 100% cotton Proban FR fabric, 330 gr / mq., Lined with 55% modacrylic fabric 45% cotton 140 g / sqm. Long model up above the knee, raglan sleeves, central front closure with metal zipper plus zipper cover and snap buttons, two lower pockets (cut) with cover flaps and snap buttons, inside pocket with velcro closure. The D.P.I. is certified in accordance the Directive 89/686 / EEC of 21.12.89 and the Legislative Decree 475/92 by the Notified Body EEC 0624 as a category II protective garment according to UNI EN ISO 11612: 2009 (A1 B1 C1 F1) and UNI EN 340 / 04.



CODES	SIZE	PRICE
9301	S/M (46-52)	€ 290,92
9302	L/XL (54-58)	€ 290,92
9303	XXL/3XL (60-66)	€ 290,92

Minimu package: 1 piece.

### ARAMIDE JACKET

Jacket made with 100% aramid outer fabric of 260 gr / mq., Lined with 55% modacrylic fabric 45% cotton of 140 gr / mq. Long model above the knee, detachable hood with zipper and front adjustable velcro closure, raglan sleeves, central front closure with metal zipper plus zipper band and snap buttons, two small pockets on the chest with cover flaps and velcro closure, two lower pockets (cut) with cover flaps and snap fasteners, inside pocket with velcro closure.  
EN ISO 11612: 2009 (A1 B1 C1 F1) and UNI EN 340/04.



CODES	SIZE	PRICE
9292	S/M (46-52)	€ 675,00
9293	L/XL (54-58)	€ 675,00
9294	XXL/3XL (60-66)	€ 675,00

Minimum package: 1 piece..

### ARAMIDE COVERALL



Minimum package: 1 piece.

The D.P.I. is certified in compliance with the Directive 89/686 / EEC of 21.12.89 and the Decree Legislative 475/92 by the EEC Notified Body 0624 as a category II protective garment according to UNI EN ISO 11612: 2009 (A1 B1 C1 F1) and UNI EN 340/04.

Coverall in 100% aramid fabric from 185 gr / mq. Shirt collar; central closure with double-slider metal zipper. External Paramoning; Lap sleeves; Elastic at the wrists; Seams with aramid yarn

SIZE	CODES	PRICE	CODES	PRICE
S (44-46)	9286	€ 370,57	9633	€ 370,57
M (48-50)	9287	€ 370,57	9634	€ 370,57
L (52-54)	9288	€ 370,57	9635	€ 370,57
XL (56-58)	9289	€ 370,57	9636	€ 370,57
XXL (60-62)	9290	€ 370,57	9637	€ 370,57
XXXL (64-66)	9291	€ 370,57	9638	€ 370,57
COLOUR	ORANGE		RED	

On request it is possible to apply upper and lower reflective bands.

### SAFETY CATEGORY

F1	Base request type 1	F1	" Type 1 - External intervention, fight against forest fires. No protection against penetration, no tip protection, no protection against chemical risks"
F2	Base request type 2	F2	Type 2 - All fire and rescue interventions where protection against penetration and toe protection is required, no protection against chemical risks.
F3	Base request type 3	F3	Type 3 - all fire-fighting and rescue operations where protection against penetration and tip protection is necessary, including protection against chemical hazards (classification II footwear only).
P	Penetration resistance		
A	Antistatic property		
I	Isolation property		
CI	Insulation from the cold of the bottom of the shoe		
CH	Chemical agents resistance		
M	Footwear with metatarsal protection		

### REQUIREMENTS FOR HEAT INSULATION

Temperature measurement inside the shoes			Rating footwear degradation		
	Sand bath temperature	Time	Temperature inside the shoes	Time	Evaluation
HI1	150 °C	30'	<42 °C	30'	compliance with Annex B of EN15090
HI2	250 °C	10'		20'	
HI3				40'	

### AIB 29P ANKLE BOOT

Work boots for firefighters and associated activities (forest fire fighting).  
 Ankle model (model B) with padded collar.  
 Upper in full-grain leather Amphibious mm. 2.2-2.4.  
 Black colour.  
 Flower leather tongue mm. 1, reinforced and padded.  
 Flower leather mattress mm. 1.  
 Front and back lining in TNT.  
 Closure: 3 pairs of closed hooks, 1 pair of lace-ups, 2 pairs of open hooks.  
 Fireproof laces in aramid fiber.  
 Texton Enigma Zero HT2 insole.  
 TNT thermoformed resin toecap.  
 "IDEAL" processing with double stitching.  
 Internal insert tnt Ibisolex.  
 3 mm water repellent TNT midsole. + Micro 2 mm.  
 Internal insole in expanded material.  
 Antilorous, anti-slip, oil-proof nitrile rubber sole.  
 Protective levels: F1P A HI1CI SRC  
 Minimum package: 1 Pair

EN  
15090:2012



MODEL	CODES													PRICE
	36	37	38	39	40	41	42	43	44	45	46	47	48	
AIB 29P	5858	5859	5860	5861	5862	5863	5864	5865	5866	5867	5868	5869	5870	€ 415,12

### AIB 8018 ANKLE BOOT

EN  
15090:2012



Workboots for firefighters, associated activities.

Type "C" (calf model).

Fastening with fire-retardant laces: 5 pairs of Vis rings with single rivet, 1 pair of open hooks "lockbolts" applied with double rivet, 2 pairs of open hooks applied with double rivet.

Needle machining.

Vulcanized Nitrile rubber Sole.

Upper in water-repellent flower leather in black colour mm. 2-2.2.

Collar in flower leather, black colour, coupled to mat. Expanded and lined.

Tongue/bellows in black flower leather, reinforced and padded.

TNT breathable front and rear lining.

Insole a between layers in TNT coupled with fabric in mat. polymeric removable anatomic cleaning slab in mat. Foam coupled to PE in the heel area, with antistatic seam in the bending area.

Minimum package: 1 Pair

MODEL	CODES													PRICE
	36	37	38	39	40	41	42	43	44	45	46	47	48	
AIB 8018	5871	5872	5873	5874	5875	5876	5877	5878	5879	5880	5881	5882	5883	€ 492,75

### AIB 8080 ANKLE BOOT

EN  
15090:2012

UNI EN ISO  
17249:2007



Work boots for firefighters, forest fire fighting, cut by chainsaw.

Upper in water-repellent grain leather in black color mm. 2.0-2.2.

Tongue / mattress in black grain leather, lined, central padding and reinforcement in black water repellent grain leather.

Collar in black leather grain coupled with expanded material, lined with the same leather.

Contrafforte in TNT resin.

Lace-up closure with 4 pairs of rings, 1 pair of laces, 3 pairs of open hooks.

Anti-cut protection in 8-layer high tenacity fabric.

Steel toecap.

Insole in anti-static multilayer fabric (with anti-puncture lamina), thickness mm. 2.5, covered with "EVENT® WATERPROOF" PTFE fabric (waterproof and breathable).

Removable cleaning insole made of black foam material coupled with PE in the heel area and fabric in the front area, anti-static stitching in the flex area.

Nitrile rubber sole with oil, flame retardant, anti-slip, antistatic.

Protective levels: F2 A H13 CI AN SRC CL.2

Minimum package: 1 Pair.

MODEL													PRICE
	37	38	39	40	41	42	43	44	45	46	47	48	
AIB 8080	5884	5885	5886	5887	5888	5889	5890	5891	5892	5893	5894	5895	€ 688,50



# WORK SHOES

COMFORT

LIGHTNESS

RESISTANCE

ANTIABRASION

When it comes to work shoes, one must first of all think about the rules for the safety of workers, especially in some sectors.



ANTI  
TORSION

Footwear equipped with a rigid support, suitably inserted between the heel and the plant, which provides support and protection of the arch, avoiding harmful flexions and / or involuntary twists.

TEST  
WR

Footwear designed for all those who are forced to operate in environments characterized by high presence of water. WR shoes are in fact made with materials and techniques that prevent the entry of water while ensuring excellent breathability and therefore a perfect hygrometric comfort.

100%  
METAL  
FREE

Footwear made entirely with non-metallic components and / or not detectable by the metal detector.

CHEMICAL  
RESISTANCE

Shoe particularly suitable for handling, transport and storage of common chemical auxiliaries such as solvents, lubricants, detergents.

PERFUMED  
SOLE

Mix of the sole enriched with a pleasant essence that gives it a pleasant scent.

SLIP  
RESISTANT  
SOLE

Footwear having a sole that, thanks to a special compound and to the particular tread pattern, has excellent slip resistance properties; particularly suitable for use on slippery surfaces or for activities on land that require excellent adhesion.

BREATHABLE  
PLUS

The construction of the upper, the reduction of the surface of the overlapping materials, the use of highly breathable linings and upper materials facilitate the disposal of sweat and perspiration of the foot, which remains dry even at high temperatures and humidity. The shoes with the "BREATHABLE PLUS" symbol are particularly suitable for hot seasons.

EN ISO  
20345:2011

This standard is the official version of the European standard EN ISO 20345 (2011 edition). The standard specifies the basic and supplementary (optional) requirements for safety shoes, intended with resistance of the anti-crushing to 200J.

### SIROCCO BROWN S3 SRC



EN ISO  
20345:2011

ANTI  
TORSION

100%  
METAL  
FREE

PERFUMED  
SOLE

**UPPER:** Water repellent pull-up nubuck

**EXTERNAL LINING:** breathable woven

**LINING INTERNAL:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and desorbent, abrasion-resistant

**INSOLE:** COFRA SOFT, anatomic, antistatic, perforated, in perfumed polyurethane, soft and comfortable; the design of the lower layer ensures absorption of impact energy (shock absorber) and high grip; the upper layer absorbs perspiration and leaves the foot dry

**SOLE:** Polyurethane / TPU

**TIP:** non-metallic TOP RETURN resistant to 200 J

**FOIL:** non-metallic APT Plate - Zero Perforation  
Minimum package: 1 Pair.

### SAILOR GREY S1 P SRC

**UPPER:** perforated suede leather

**EXTERNAL LINING:** suede leather

**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and desorbent, abrasion-resistant

**INSOLE:** COFRA SOFT, anatomic, antistatic, perforated, in perfumed polyurethane, soft and comfortable; the design of the lower layer ensures absorption of impact energy (shock absorber) and high grip; the upper layer absorbs perspiration and leaves the foot dry

**SOLE:** polyurethane / TPU

**TIP:** non-metallic TOP RETURN resistant to 200 J

**FOIL:** non-metallic APT Plate - Zero Perforation  
Minimum package: 1 pair.



EN ISO  
20345:2011

ANTI  
TORSION

100%  
METAL  
FREE

PERFUMED  
SOLE

BREATHABLE  
PLUS

### VEREINA S3 HI CI HRO SRC



EN ISO  
20345:2011

ANTI  
TORSION

100%  
METAL  
FREE

PERFUMED  
SOLE

**UPPER:** DURATEX anti-abrasion fabric and water-repellent leather

**EXTERNAL LINING:** breathable fabric

**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and desorbent, abrasion-resistant

**INSOLE:** HEAT BARRIER, anatomic, antistatic, perfumed, insulating from high temperatures, covered in fabric.

The thermal comfort inside the shoe is ensured thanks to the special polyurethane compound developed to guarantee insulation from the heat

**SOLE:** sewn, entirely in resistant nitrile rubber at +300 ° C per contact (1 minute)

**TIP:** non-metallic TOP RETURN resistant to 200 J

**FOIL:** non-metallic APT Plate - Zero Perforation  
Minimum package: 1 Pair

MODEL	CODES													PRICE
	36	37	38	39	40	41	42	43	44	45	46	47	48	
SIROCCO	-	-	-	-	5722	5723	5724	5725	5726	5727	5728	5729	-	€ 134,08
SAILOR	5730	5731	5732	5733	5734	5735	5736	5737	5638	5739	5740	5741	5742	€ 102,28
VEREINA	-	-	-	-	5743	5744	5745	5746	5747	5748	5749	5750	-	€ 163,64

### ELECTRON SB E P FO SRC

**UPPER:** BREATHEX fabric with 3D weaving, highly breathable and MICROTECH

**EXTERNAL LINING:** BREATHEX fabric, highly breathable

**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and de-absorbing, abrasion-resistant

**INSOLE:** AIR, anatomic, electrically insulating, perforated, in EVA and fabric, guarantees a high support thanks to different thicknesses along the plantar surface

**SOLE:** dual density polyurethane with high electrical resistance

**TIP:** non-metallic TOP RETURN resistant to 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation with high electrical resistance



EN ISO  
20345:2011

BREATHABLE  
PLUS

100%  
METAL  
FREE

PERFUMED  
SOLE

### ZATOPEK S3 SRC



EN ISO  
20345:2011

PERFUMED  
SOLE

**UPPER:** water repellent leather

**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and de-absorbing, abrasion-resistant

**INSOLE:** COFRA SOFT, anatomic, antistatic, perforated, in perfumed, soft and comfortable polyurethane; the design of the lower layer ensures absorption of impact energy (shock absorber) and high grip; the upper layer absorbs perspiration and leaves the foot dry

**SOLE:** polyurethane / TPU

**TIP:** ALUMINUM 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation  
Minimum package: 1 Pair.

### PUSKAS S3 SRC

**UPPER:** water repellent leather

**EXTERNAL LINING:** EXTERNAL LINING: synthetic breathable

**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and de-absorbing, abrasion-resistant

**INSOLE:** COFRA SOFT, anatomic, antistatic, perforated, in perfumed, soft and comfortable polyurethane; the design of the lower layer ensures absorption of impact energy (shock absorber) and high grip; the upper layer absorbs perspiration and leaves the foot dry

**SOLE:** polyurethane / TPU

**TIP:** ALUMINUM 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation  
Minimum package: 1 Pair.



EN ISO  
20345:2011

PERFUMED  
SOLE

MODEL	CODES												PRICE
	36	37	38	39	40	41	42	43	44	45	46	47	
ELECTRON	-	-	-	5751	5752	5753	5753	5754	5755	5756	5757	5758	€ 109,10
ZATOPEK	6362	6878	6879	6880	6881	6882	6883	6884	6885	6886	6887	6888	€ 136,37
PUSKAS	-	-	-	6355	6936	6937	6938	6939	6940	6941	6942	6943	€ 152,28



### CARNERA S1 P SRC



EN ISO  
20345:2011

PERFUMED  
SOLE

**UPPER:** BREATHEX fabric with 3D weaving, highly breathable and MICROTECH : BREATHEX fabric, highly breathable

**EXTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and desorbent, anti-abrasion

**INSOLE:** COFRA SOFT, anatomic, antistatic, perforated, in perfumed, soft and comfortable polyurethane; the design of the lower layer ensures absorption of impact energy (shock absorber) and high grip; the upper layer absorbs perspiration and leaves the foot dry

**SOLE:** polyurethane / TPU

**TIP:** ALUMINUM 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation  
Minimum package: 1 Pair

### BREAK S3 SRC

**UPPER:** water repellent leather

**INTERNAL LINING:** SPHERA 100% polyamide, warpproof, antibacterial, breathable, absorbent and anti-abrasion absorbent

**INSOLE:** COFRA SOFT, anatomic, antistatic, perforated, in perfumed, soft and comfortable polyurethane; the design of the lower layer ensures absorption of impact energy (shock absorber) and high grip; the upper layer absorbs perspiration and leaves the foot dry

**SOLE:** polyurethane / TPU

**TIP:** ALUMINUM 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation  
Minimum package: 1 Pair.



EN ISO  
20345:2011

PERFUMED  
SOLE

### MATCH POINT S1 P SRC



EN ISO  
20345:2011

PERFUMED  
SOLE

**UPPER:** perforated suede leather

**INTERNAL LINING:** 100% polyamide, SPHERA warpable, antibacterial, breathable, absorbent and desorbing abrasion resistant

**INSOLE:** COFRA SOFT, anatomic, antistatic, perforated, in perfumed, soft and comfortable polyurethane; the design of the lower layer ensures absorption of impact energy (shock absorber) and high grip; the upper layer absorbs perspiration and leaves the foot dry

**SOLE:** polyurethane / TPU

**TIP:** ALUMINUM 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation  
Minimum package: 1 Pair.

MODEL	CODES												PRICE
	36	37	38	39	40	41	42	43	44	45	46	47	
CARNERA	6358	6913	6914	6915	6916	6917	6918	6919	6920	6921	6922	6923	€ 134,08
BREAK	-	-	-	5760	5761	5762	5763	5764	5765	5766	5767	5768	€ 136,37
MATCH POINT	-	-	-	5769	5770	5771	5772	5773	5774	5775	5776	5777	€ 118,20



**BAND S1 P SRC**

**UPPER:** perforated suede leather

**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and de-absorbing, abrasion-resistant

**INSOLE:** COFRA SOFT, anatomic, antistatic, perforated, in perfumed, soft and comfortable polyurethane; the design of the lower layer ensures absorption of impact energy (shock absorber) and high grip; the upper layer absorbs perspiration and leaves the foot dry

**SOLE:** polyurethane / TPU

**TIP:** ALUMINUM 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation  
Minimum package: 1 Pair.



**EN ISO  
20345:2011**

**BREATHABLE  
PLUS**

**PERFUMED  
SOLE**

**OAKLAND BIS S3 HRO SRC**



**EN ISO  
20345:2011**

**ANTI  
TORSION**

**100%  
METAL  
FREE**

**PERFUMED  
SOLE**

**UPPER:** water repellent Pull-up nubuck

**EXTERNAL LINING:** synthetic breathable

**INTERNAL LINING:** TEXELLE 100% polyamide, breathable, absorbent and desorbent, abrasion resistant

**INSOLE:** AIR, anatomic, antistatic, perforated, in EVA and fabric, guarantees a high level of support thanks to different thicknesses along the plantar surface

**SOLE:** polyurethane / resistant nitrile rubber at +300 ° C per contact (1 minute)

**TIP:** non-metallic TOP RETURN resistant to 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation  
Minimum package: 1 Pair.

**HUSKY GREY S3 HRO SRC**

**UPPER:** water-repellent suede leather

**EXTERNAL LINING:** breathable fabric

**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and de-absorbing, abrasion-resistant

**INSOLE:** SOFT-BED, anatomic, antistatic, perforated, in soft, fragrant, soft and comfortable polyurethane.

The upper fabric layer absorbs the sweat and leaves the always dry foot. Island both from the cold and from the heat

**SOLE** polyurethane / nitrile rubber resistant to +300 ° C per contact (1 minute)

**TIP:** non-metallic TOP RETURN resistant to 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation  
Minimum package: 1 Pair.

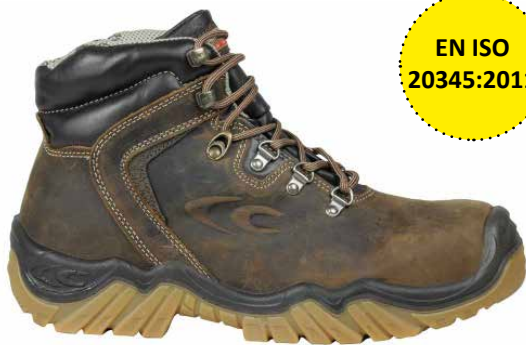


**EN ISO  
20345:2011**

**PERFUMED  
SOLE**

MODEL	39	40	41	42	43	44	45	46	47	PRICE
BAND	5778	5779	5780	5781	5782	5783	5784	5785	5786	€ 109,10
OAKLAND	10375	10376	10377	10378	10379	10380	10381	10382	10383	€ 152,28
HUSKY	-	5787	5788	5789	5790	5791	5792	5793	5794	€ 138,63

### PIRENEI S3 WR HRO SRC



EN ISO  
20345:2011

PERFUMED  
SOLE

TEST  
WR

WR test: 1000 steps in one tank with 3 cm of water, the wet internal surface must be less than 3 cm<sup>2</sup>

**UPPER:** water repellent Pull-up nubuck

**EXTERNAL LINING:** breathable leather

**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and desorbent, anti-abrasion

**INSOLE:** SOFT-BED, anatomic, antistatic, perforated, in soft, fragrant, soft and comfortable polyurethane. The upper fabric layer absorbs perspiration and leaves the foot always dry. Island both from the cold and from the heat

**SOLE:** polyurethane / nitrile rubber resistant to +300 ° C per contact (1 minute)

**TIP:** non-metallic TOP RETURN resistant to 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation  
Minimum package: 1 Pair.

### NEW ELECTRICAL SB E P WRU HRO FO SRC

**UPPER:** water repellent leather

**EXTERNAL LINING:** breathable leather

**INTERNAL LINING:** 100% polyamide fabric, warpproof, breathable, absorbent and desorbent, anti-abrasion

**INSOLE:** METATARSAL SUPPORT GEL, anatomic, electrically insulating, in extremely soft scented polyurethane, covered in fabric. The soft gel insert in the metatarsal area guarantees stability and comfort on any type of surface. Island both from the cold and from the heat

**SOLE:** polyurethane / nitrile rubber resistant to +300 ° C per contact (1 minute) with high electrical resistance

**TIP:** non-metallic TOP RETURN resistant to 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation with high electrical resistance

Minimum package: 1 Pair.



EN ISO  
20345:2011

EN ISO  
20344:2011

PERFUMED  
SOLE

ELETRICIAN SHOES

100%  
METAL  
FREE

### SOLDER BIS UK S3 HRO SRC



EN ISO  
20345:2011

PERFUMED  
SOLE

ANTI  
TORSION

**UPPER:** water repellent printed leather

**EXTERNAL LINING:** synthetic breathable

**INTERNAL LINING:** TEXELLE 100% polyamide, breathable, absorbent and desorbent, abrasion resistant

**INSOLE:** AIR, anatomic, antistatic, perforated, in EVA and fabric, guarantees a high level of support thanks to different thicknesses along the plantar surface

**SOLE:** polyurethane / nitrile rubber resistant to +300 ° C per contact (1 minute)

**TIP:** non-metallic TOP RETURN resistant to 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation

**PLUS:** fire-retardant seams, laces protection, anti-abrasion polyurethane toe protection, quick release  
Minimum package: 1 Pair.

MODEL	39	40	41	42	43	44	45	46	47	48	PRICE
PIRENEI	6353	6952	6953	6954	6955	6956	6957	6958	6959	-	€ 168,19
NEW ELECTRICAL	6350	6979	6980	6981	6982	6983	6984	6985	6986	6987	€ 163,64
SOLDER	5795	5796	5797	5798	5799	5800	5801	5802	5803	5804	€ 131,82

### ALICE S3 SRC

**UPPER:** water repellent nubuck

**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and de-absorbing, abrasion-resistant

**INSOLE:** COFRA SOFT, anatomic, antistatic, perforated, in perfumed, soft and comfortable polyurethane; the design of the lower layer ensures absorption of impact energy (shock absorber) and high grip; the upper layer absorbs perspiration and leaves the foot dry

**SOLE:** polyurethane / TPU

**TIP:** ALUMINUM 200 J

**LAMINA:** non metallic APT Plate - Zero Perforation

Minimum package: 1 Pair.



EN ISO  
20345:2011

PERFUMED  
SOLE

### NEW CADMO S2 SRC



EN ISO  
20345:2011

SLIP  
RESISTANT  
SOLE

PERFUMED  
SOLE

**UPPER:** NEWTECH breathable, water repellent

**INTERNAL LINING:** TEXELLE 100% polyamide, breathable, absorbent and desorbent, abrasion resistant

**INSOLE:** antistatic, absorbent and desorbent, covered in fabric

**SOLE:** anti-slip monodensitic polyurethane

**TIP:** steel resistant to 200 J

Minimum package: 1 Pair.

### STIGE BIS S2 SRC

**UPPER:** ECOLORICA®; water-repellent

**EXTERNAL LINING:** synthetic breathable

**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, antibacterial, absorbent and desorbent, abrasion-resistant

**INSOLE:** AIR, anatomic, antistatic, perforated, in EVA and fabric, guarantees a high support thanks to different thicknesses along the plantar surface

**SOLE:** non-slip double density polyurethane

**TIP:** non non-metallic TOP RETURN resistant to 200 J

Minimum package: 1 pair.



EN ISO  
20345:2011

100%  
METAL  
FREE

PERFUMED  
SOLE

SLIP  
RESISTANT  
SOLE

CHEMICAL  
RESISTANCE

MODEL	CODES													PRICE
	35	36	37	38	39	40	41	42	43	44	45	46	47	
ALICE	5805	5806	5807	5808	5809	5810	5811	-	-	-	-	-	-	€ 131,60
NEW CADMO	6374	7021	7022	7023	7024	7025	7026	7027	7028	7029	7030	7031	7032	€ 75,01
STIGE BIS	-	5812	5813	5814	5815	5816	5817	5818	5819	5820	5821	5822	5823	€ 90,92

NEW KEVIN SB E A FO SRC



EN ISO  
20345:2011

PERFUMED  
SOLE

SLIP  
RESISTANT  
SOLE

CHEMICAL  
RESISTANCE

**UPPER:** ECOLORICA®; water repellent perforated  
**INTERNAL LINING:** CAMBRELLE®; 100% polyamide, breathable,  
absorbent and desorbent, anti-abrasion  
**INSOLE:** soft and anatomic in suede leather,  
breathable, absorbent and desorbent  
**SOLE:** anti-slip monodensitic polyurethane  
**TIP:** steel resistant to 200 J  
Minimum package: 1 Pair.

HAND WASH WITH NEUTRAL SOAP AT MA-  
XIMUM TEMPERATURE OF 40 ° C

NEW GALAXY S5 CI SRC

**LEGS AND TREAD:** COLD DEFENDER PU, antibacterial, resistant  
to -25 ° C

**INTERNAL LINING:** anti-abrasion polyester

**INSOLE:** POLY-BED, absorbent and desorbent, antistatic,  
covered in anti-bacterial SANY-DRY® fabric that prevents the  
formation of unpleasant odors  
**SOLE:** polyurethane / nitrile  
rubber resistant to

+300 ° C per contact (1 minute) with high electrical resistance

**TIP:** steel resistant to 200 J

**LAMINA:** stainless steel

**INTENDED USE:** boots for the food industry

Minimum package: 1 Pair.

COLD  
PROTECTION

PERFUMED

SLIP  
RESISTANT  
SOLE

100%  
METAL  
FREE



EN ISO  
20345:2011

NEW TYPHOON YELLOW/BLACK S5 SRC



EN ISO  
20345:2011

SLIP  
RESISTANT  
SOLE

**LEGS AND TREADS:** PVC ERGO-NITRIL  
**INTERNAL LINING:** anti-abrasion polyester  
**INSOLE:** antistatic, absorbent and desorbent,  
covered in fabric  
**SOLE:** polyurethane / nitrile rubber resistant to  
+300 ° C per contact (1 minute) with high electrical resistance  
**TIP:** steel resistant to 200 J  
**LAMINA:** stainless steel  
**INTENDED USE:** construction boots  
Minimum package: 1 Pair.

COMPLIES WITH THE REACH REGULATION

MODEL	CODES														PRICE
	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
KEVIN	6373	7033	7034	7035	7036	7037	7038	7039	7040	7041	7042	7043	7044	-	€ 84,08
GALAXY	-	4657	4658	4659	4660	4661	10443	4663	4664	4665	4666	4667	4668	4669	€ 103,40
TYPHOON		-	-	-	4633	4634	4635	4636	4637	4638	4639	4640	4641	4642	€ 71,60



### NEW TYPHOON BLUE/RED S5 SRC

**LEGS AND TREADS:** PVC ERGO-NITRIL  
**INTERNAL LINING:** anti-abrasion polyester  
**INSOLE:** antistatic, absorbent and desorbent, covered in fabric  
**AOLE:** polyurethane / nitrile rubber resistant to +300 ° C per contact (1 minute) with high electrical resistance  
**TIP:** steel resistant to 200 J  
**LAMINA:** stainless steel  
**INTENDED USE:** construction boots  
 Minimum package: 1 Pair.

**CONFORME AL REGOLAMENTO REACH**



**EN ISO  
20345:2011**

**SLIP  
RESISTANT  
SOLE**

### NEW RED SEA S1 P SRC

**BREATHABLE  
PLUS**

**100%  
METAL  
FREE**

**EN ISO  
20345:2011**



**UPPER:** perforated suede leather  
**EXTERNAL LINING:** breathable fabric  
**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, absorbent and desorbing, anti-abrasion  
**INSOLE:** AIR, anatomical, antistatic, perforated, in EVA and fabric, guarantees a high level of support thanks to different thicknesses along the plantar surface  
**SOLE:** dual density polyurethane  
**TIP:** FIBERGLASS CAP, non-metallic fiberglass  
**LAMINA:** non metallic APT Plate - Zero Perforation  
 Minimum package: 1 Pair.

### NEW IONIAN S1 P SRC

**UPPER:** suede leather and breathable fabri  
**EXTERNAL LINING:** breathable fabric  
**INTERNAL LINING:** SANY-DRY® 100% polyester, three-dimensional, breathable, absorbent and desorbing, anti-abrasion  
**INSOLE:** : AIR, anatomical, antistatic, perforated, in EVA and fabric, guarantees a high level of support thanks to different thicknesses along the plantar surface  
**SOLE:** dual density polyurethane  
**TIP:** FIBERGLASS CAP, non-metallic fiberglass  
**LAMINA:** non metallic APT Plate - Zero Perforation  
 Minimum package: 1 Pair.



**100%  
METAL  
FREE**

**EN ISO  
20345:2011**

MODEL	CODES													
	36	37	38	39	40	41	42	43	44	45	46	47	48	PRICE
TYPHOON	6376	6770	6771	6772	6773	6774	6775	6776	6777	6778	6779	6780	6781	€ 73,87
NEW RED SEA	10247	10248	10249	10250	10251	10252	10253	10254	10255	10256	10257	10258	10259	€ 86,37
NEW IONIAN	-	-	-	6147	6381	6382	6383	6384	6385	6386	6387	6388	-	€ 92,04

### NEW VOLGA S3 SRC



EN ISO  
20345:2011

**UPPER:** water repellent printed leather  
**EXTERNAL LINING:** synthetic breathable  
**INTERNAL LINING:** TEXELLE 100% polyamide, breathable, absorbent and desorbent, abrasion resistant  
**INSOLE:** AIR, anatomic, antistatic, perforated, in EVA and fabric, guarantees a high support thanks at different thicknesses along the plantar surface  
**SOLE:** dual density polyurethane  
**TIP:** steel resistant to 200 J  
**LAMINA:** stainless steel  
 Minimum package: 1 Pair.

### NEW RENO S3 SRC

**UPPER:** water repellent printed leather  
**EXTERNAL LINING:** synthetic breathable  
**INTERNAL LINING:** TEXELLE 100% polyamide, breathable, absorbent and desorbent, abrasion resistant  
**INSOLE:** AIR, anatomic, antistatic, perforated, in EVA and fabric, guarantees a high support thanks at different thicknesses along the plantar surface  
**SOLE:** dual density polyurethane  
**TIP:** steel resistant to 200 J  
**LAMINA:** stainless steel  
 Minimum package: 1 Pair.



EN ISO  
20345:2011

### NEW LOIRA S3 SRC



EN ISO  
20345:2011

**UPPER:** water repellent printed leather  
**EXTERNAL LINING:** synthetic breathable  
**INTERNAL LINING:** TEXELLE 100% polyamide, breathable, absorbent and desorbent, abrasion resistant  
**INSOLE:** AIR, anatomic, antistatic, perforated, in EVA and fabric, guarantees a high support thanks at different thicknesses along the plantar surface  
**SOLE:** dual density polyurethane  
**TIP:** steel resistant to 200 J  
**LAMINA:** stainless steel  
 Minimum package: 1 Pair.

MODEL	CODES													PRICE
	36	37	38	39	40	41	42	43	44	45	46	47	48	
NEW VOLGA	5824	5825	6356	6782	6783	6784	6785	6786	6787	6788	6789	6790	6791	€ 68,42
NEW RENO	5826	5827	6229	6416	6417	6418	6419	6420	6421	6422	6423	6424	6425	€ 70,73
NEW LOIRA	5828	5829	5830	5831	5832	5833	5834	5835	5836	5837	5838	5839	5840	€ 71,90

### NEW TEVERE S1 P SRC

**UPPER:**

suede leather

**EXTERNAL LINING:**

breathable woven

**INTERNAL LINING:**

TEXELLE 100% polyamide, breathable, absorbent and desorbing, anti-abrasion

**INSOLE:**

AIR, anatomic, antistatic, perforated, in EVA and fabric, guarantees a high support thanks to different thicknesses along the plantar surface

**SOLE:**

dual density polyurethane

**TIP:**

steel resistant at 200 J

**LAMINA:**

steel INOX

Minimum package: 1 pair.



**EN ISO  
20345:2011**

### NEW TIGRI S1 P SRC

**BREATHABLE  
PLUS**

**EN ISO  
20345:2011**

**UPPER:**

suede leather

**EXTERNAL LINING:**

breathable woven

**INTERNAL LINING:**

TEXELLE 100% polyamide, breathable, absorbent and desorbing, anti-abrasion

**INSOLE:**

AIR, anatomic, antistatic, perforated, in EVA and fabric, guarantees a high support thanks to different thicknesses along the plantar surface

**SOLE:**

dual density polyurethane

**TIP:**

steel resistant at 200 J

**LAMINA:**

steel INOX

Minimum package: 1 pair.



MODEL	CODES													PRICE
	36	37	38	39	40	41	42	43	44	45	46	47	48	
NEW TEVERE	8583	8584	8585	8586	8587	8588	8589	8590	8591	8592	8593	8594	8595	€ 77,70
NEW TIGRI	6219	6426	6427	6428	6429	6430	6431	6432	6433	6434	6435	6436	6437	€ 70,73