

Honeywell Industrial Safety



EQUIP THEM FOR SAFETY

India Catalog of Personal Protective Equipment 2015

Honeywell

Summary



Lead them to safety - Build an enduring culture of safety through comprehensive education, innovative technologies, and comfortable, high-performance products that inspire workers to make safer choices on their own. Honeywell Industrial Safety is the ideal partner for organizations committed to a cultural transformation that minimizes injuries and maintains a safer, more productive workplace.

- Culture of Safety P. 4
- Honeywell Industrial Safety P. 5

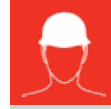
Hearing Protection P.06 | 11



Eye and Face Protection P. 12 | 25



Head Protection P.26 | 28



Welding Protection P. 29 | 33



Respiratory Protection P.34 | 51



Protective Gloves P.52 | 92



Protective Clothing P.93 | 109



Fall Protection P. 110 | 123



Safety Footwear P. 124 | 129



Electrical Safety P. 130 | 151





Culture of Safety

According to the International Labor Organization (ILO 2009), every 15 seconds a worker dies from a work-related accident or disease somewhere in the world, a total of 2.3 million people every year.

Each year, 160 million new cases of occupational illness are reported and another 270 million workers suffer non-fatal workplace injuries. The economic, social, and legal impact of accidents makes worker safety a top priority for commercial and industrial employers around the world.

HONEYWELL INDUSTRIAL SAFETY HELPS SAFETY MANAGERS BUILD AN ENDURING CULTURE OF SAFETY THAT MINIMIZES INJURIES AND MAINTAINS A MORE PROTECTIVE AND PRODUCTIVE WORKPLACE

Studies have shown that an empowered safety culture can be the most cost-effective and proven accident prevention process.

Creating a safety culture does not mean adding a new set of rules; it is a philosophy of preventing injury in the workplace. Safety is no longer something defined and enforced by the management; rather,

it becomes the right and responsibility of each and every employee. When workers embrace safety standards and practice better behaviors, they can regulate their own safety much more effectively and consistently.



OUR CULTURE OF SAFETY CONSISTS OF 4 DIMENSIONS:



Honeywell Industrial Safety partners with environmental health and safety managers to build and sustain a “Culture of Safety” in the workplace that transforms the environment where workers live and work.

In such cultures, managers inspire their workers to change behaviors and make safer choices on their own and for their own protection—as well as that of their friends and co-workers.

Honeywell Industrial Safety is committed to support safety managers in their quest to build a sustaining culture of safety.

Our 50 years of experience and knowledge in regulatory compliance, hazard identification, safety management, and PPE equipment selection and application, combined with a deep organizational commitment, uniquely positions us to help safety managers build a culture where workers make safer choices on their own.



WHO IS HONEYWELL INDUSTRIAL SAFETY?

Honeywell Industrial Safety is the world's largest personal protective equipment (PPE) and solutions provider.

Our network of manufacturing, support, and safety specialists includes more than 10,000 people in 30 countries. We are dedicated to more than providing a product or a service: each one of us is committed to protecting human life.

Our employees work across 40 manufacturing plants, 30 research centers, 25 distribution facilities, and 69 offices around the world.

Honeywell Industrial Safety draws on Honeywell International's exceptional technology and innovation capabilities that are used to develop new materials, electronics, sensors, and communication systems.

Local support from our safety specialists is around the corner, at sales and service locations spanning six continents.

This proximity to customers enables us to work hand in hand with end users — understanding their problems, sharing their knowledge of hazards and providing effective solutions.

The Honeywell family of brands includes here in our portfolio:



Honeywell Industrial Safety

We are a leading global manufacturer of personal protective equipment (PPE). We help companies worldwide build an enduring culture of safety, ensuring that employees make safer decisions on their own.

HEAD-TO-TOE SOLUTIONS:

HEARING PROTECTION

- Earplugs and earmuffs
- Earmuffs
- Earcups
- Accessories



EYE, FACE, HEAD & WELDING PROTECTION

- Welding protection
- Head protection
- Safety eyewear: Safety spectacles, goggles, face shields



RESPIRATORY PROTECTION

- Single-use masks respirators
- Reusable filtering masks
- Half masks and full-face masks
- Powered air-purifying respirators (PAPR)
- SCBA and supplied air system



PROTECTIVE GLOVES

- General handling and specific protection (chemical, thermal, electrical)
- Metal-mesh gloves, sleeves and garments
- Protective sleeves



PROTECTIVE CLOTHING

- Disposable Protective Clothing
- Reusable Protective Clothing



FALL PROTECTION

- Personal fall protection
- Height access solutions
- Rescue solutions



SAFETY FOOTWEAR

- Executive Range
- Athletic Range
- Womens' Range



ELECTRICAL SAFETY

- Protective Clothing
- Hot Sticks
- Voltage Detectors
- Tool Kits



Hearing Protection





Hearing Conservation

Effective hearing protection is not simply a product offering the highest attenuation value, but the best protection for each employee in his or her environment. It is about reducing hearing loss associated with noise and thus improving safety.

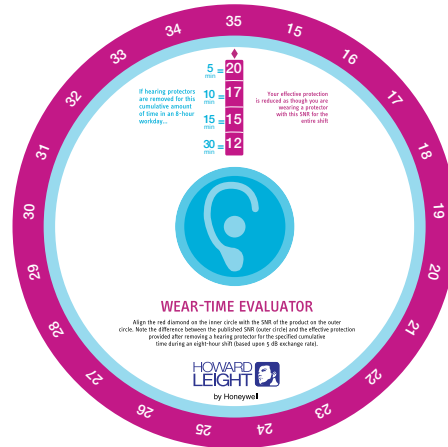
Howard Leight helps HSE managers to meet the challenges of a good Hearing Conservation program:

- Reducing costs/complaints
- Monitoring "at risk" employees
- Choosing the most suitable product(s)
- Providing the best protection for every employee
- A good balance between protection and communication
- Training

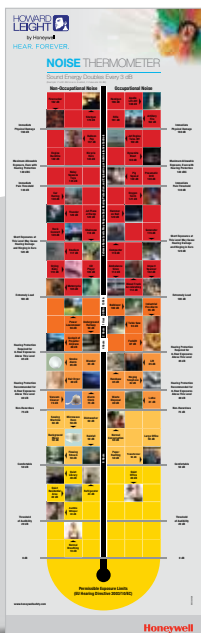
Howard Leight provides training materials to support you in your daily hearing conservation efforts. Please ask us for these materials to raise awareness among your employees of the various risks associated with noise-induced hearing loss and the use of PPE in noisy environments.

A Howard Leight® initiative | hearforever.org

DOC2634



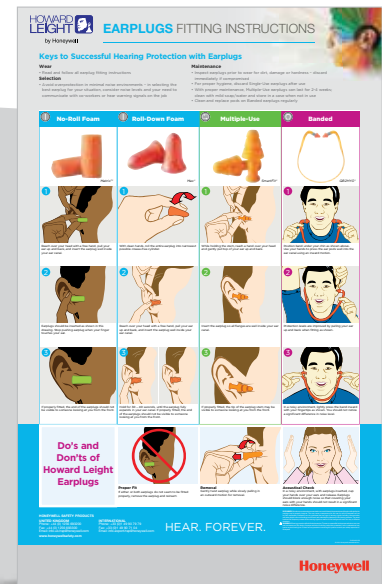
DOC2669



DOC2643



DOC2655





Earplugs / Accessories

BILSOM

FEATURES AND BENEFITS

SNR 33

- Energized for personal comfort and performance.
- Tapered design for ease of insertion.
- **Leight Stripe™ formula:** a slick blend of yellow and white polyurethane foam that feels soft to the touch and in your ear.
- **Easy to roll and insert correctly:** Resists tendency to back out of the ear canal. Less expansion pressure for long-term comfort.
- Smooth, soil-resistant skin prevents dirt build-up on earplugs.
- Available in two sizes to ensure a perfect comfortable fit.

Ref.	Description	Packaging
10 001 06	Bilsom 304 large (corded) (L)	Box of 100 pairs
10 061 86	Bilsom 303 L	Box of 200 pairs



SMARTFIT®

FEATURES AND BENEFITS

- Patented Conforming Material Technology™ uses body heat to adapt to the individual shape of each wearer's ear canal.
- Delivers superior comfort and a truly individual fit.
- Simplifies inventory control – a single product fits almost every wearer.
- Detachable cord system and HearPack® storage case.

Ref.	Cording	Packaging	NRR	Canada Class
SMF-30	Detachable Cord	HearPack®	25	A (L)



LS400

FEATURES AND BENEFITS

The Leight® Source 400 dispenser can be fixed to a wall or placed on a table or workstation. Entirely transparent, it can be refilled before it runs out. This system dispenses earplugs with a twist knob, and can hold 400 pairs of Howard Leight single-use earplugs, such as Max, Max Lite, Laser Lite, MultiMax, Matrix, Firm Fit and Bilsom 303.

Ref.	Description
10 062 02	Leight Source 400 dispenser, supplied with 400 pairs of Bilsom 303 L



LS400



AIRSOFT®

FEATURES AND BENEFITS

- Advanced air pocket design features internal noise-blocking fins.
- Four-flange profile creates better seal in the ear canal.
- Less pressure in the ear canal eliminates that “plugged up” feeling.
- Rounded flanges, tapered shape fits better in the ear canal.
- Firm stem facilitates easy insertion and removal.
- Outstanding noise-blocking protection.

Ref.	Cording	Packaging	NRR	Canada Class
AS-30R	Red Polycord	Reusable Case	27	A (L)



QM24+®

FEATURES AND BENEFITS

- Ultra-lightweight, multiple-position, dielectric earmuff designed for extended wear at an affordable price.
- Adjustable headband for over-the-head, behind-the-neck or under-the-chin wear.
- An alternative to cap-mounted earmuffs when using other PPE.
- Dielectric construction suitable for electrical environments.

Ref.	Description	SNR
QM24+	QM24+	SNR 26



QM24+ SNR 26

CLARITY™ EARMUFFS

FEATURES AND BENEFITS

- Comfortable over-the-head design ideal for many applications.
- Ventilated inner headband reduces pressure on the head and guarantees increased breathability in warm/humid climates.
- Non-deforming outer headband withstands rough treatment in the toughest workplaces.

Ref.	Description	SNR
10 111 46	C3	SNR 33



C1 SNR 25



Earmuffs / Earcups

CLARITY™ EAR CUPS

FEATURES AND BENEFITS

- Ear cups snap in place during use and swing back when not in use.
- Ear cups work with a wide range of hard hats.
- Pair of 3711, 3712 & 3721 adapters included.

Ref.	Description	SNR
10 112 62	C1H	SNR 26
10 112 64	C3H	SNR 30



C1H SNR 26

LEIGHTNING® EARMUFFS

FEATURES AND BENEFITS

- Patented Air Flow Control™ for optimum attenuation across all frequencies, without increasing size or weight.
- Snap-in ear cushions make replacement quick and easy.
- Padded foam headband for long-term comfort with minimal pressure on the head.
- Multiple attenuation levels for attenuation targeted at different environments.
- Telescopic height adjustment ensures that the earmuffs remain fixed during use.
- Superior comfort - the ultra slim L0 models are ideal when compact earmuffs, reliable protection and a high degree of comfort are required.
- HV (high visibility) and reflective models which illuminate under light for enhanced visibility and safety. Ideal for wearing at night and in inclement weather conditions.

Ref.	Description	SNR
10 109 24	L3	SNR 34



L2 SNR 31

LEIGHTNING® FOLDING EARMUFFS

FEATURES AND BENEFITS

- Folding headband for easy storage.
- Belt storage case also available.

Ref.	Description	SNR
10 134 61	L0F	SNR 25



L0F SNR 25

LEIGHTNING® HEAD STRAP EARMUFFS

FEATURES AND BENEFITS

- Sleek behind-the-neck design for use with face shields, visors, hard hats and other PPE.
- Includes attached elastic headband strap for better positioning.
- The L0N features ultra-slim, lightweight ear cups, ideal for use with welding masks.

Ref.	Description	SNR
10 119 96	L3N	SNR 32



L1N SNR 29



LEIGHTNING® EAR CUPS

FEATURES AND BENEFITS

- Ear cups snap in place during use and swing back when not in use.
- Ear cups work with a wide range of hard hats.
- Pair of 3712, 3711 & 3721 adapters included.

Ref.	Description	SNR
10 125 39	L1H	SNR 28



L1H SNR 28

THUNDER® EARMUFFS

FEATURES AND BENEFITS

- Dielectric construction suitable for all workplaces, especially electrical environments.
- Patented Air Flow Control™ for optimum attenuation across all frequencies, without increasing size or weight.
- Uniform headband pressure for all head sizes, providing better comfort for long-term wear.
- Non-deforming outer headband withstands rough treatment in the toughest workplaces.
- Quick-click height adjustment remains fixed during wear.
- Snap-in ear cushions make replacement quick and easy.
- Comfortable over-the-head design ideal for many applications.
- Ventilated inner headband minimizes pressure on the head and guarantees increased breathability in warm/humid climates (T2 and T3 only).

Ref.	Description	SNR
10 109 70	T3	SNR 36
10 109 29	T2	SNR 33



T3 SNR 36

THUNDER® EAR CUPS

FEATURES AND BENEFITS

- Ear cups snap in place during use and swing back when not in use.
- Ear cups work with a wide range of hard hats.
- Pair of 3712, 3711 & 3721 adapters included.

Ref.	Description	SNR
10 125 34	T2H	SNR 30



T1H SNR 29

Eye and Face Protection



Advanced coating technology from Honeywell



Honeywell is contributing to the creation of a safety culture in the workplace by offering resistant, high-performance eye protection that can be worn with total confidence. Years of research and technical development give us the ability to design high-performance products that deliver increased protection.

These products are supplied with the best coatings to resist the most demanding conditions, special lens tints for every task to optimise visual acuity and an impact resistance performance that exceeds current standards.

OUR OBJECTIVE IS SIMPLE: to inspire safety consciousness amongst the workforce, whatever the environment.

Advanced lens coating technology

Whether the problem is one of fogging on the inside of the lens or external scratching, Honeywell lens coatings provide a solution suited to almost every work environment.

SUPRA-DURA® ANTI-SCRATCH COATINGS

In environments exposed to high quantities of particles where scratched lenses pose a major problem, our new, advanced Supra-Dura® anti-scratch (K) coating has a lifespan 5 times* longer than most anti-scratch coatings currently available on the market.

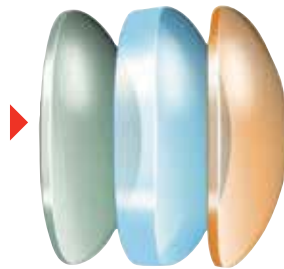
New

DURA-STREME® Fogban/ANTI-SCRATCH COATINGS

Dura-Streme® technology offers the industry-leading advantages of our anti-scratch and Fogban coatings on one single lens: the Honeywell anti-scratch (K) coating protects the external surface of the lens by ensuring resistance to chemical products and scratches, whilst the Honeywell Fogban coating on the inside (N) maintains visibility in environments where heat, humidity and physical stresses form an integral part of the work.

New

The internal Fogban coating offers excellent Fogban protection.



The external anti-scratch coating increases the lens' lifespan by up to 3 times*.

READY FOR ANY CONDITION

The Adaptec 4A+ lens coating meets (K & N) on both sides of lens and ensures excellent Fogban, anti-static and scratch-resistant properties.

New

HONEYWELL ANTI-SCRATCH COATING

Our anti-scratch coating remains one of the most resistant anti-scratch coatings in the world. The coating is bonded permanently to the lens and will not wear off, even after repeated cleaning, and provides increased resistance to scratches and chemical products.

HONEYWELL Fogban COATING

Our Fogban coating prevents fogging to maintain clear vision in conditions of extreme humidity and extreme temperatures. This coating is bonded permanently to the lens and combines two functions.

When the lens is exposed to humidity or mist, the coating's hydrophilic properties absorb then release the humidity from the lens. Should the lens reach saturation point, the hydrophobic properties take over and eject the humidity from the lens.

*Comparative lens lifetime test carried out using the Bayer abrasion test method. Results may vary depending on the environment and use.



Lens Tint and Marking Selector

Honeywell offers a vast range of lens tint options to suit nearly every task or trade and a wide array of applications. Honeywell's SCT (Spectrum Control Technology®) lens tints use unique dyes that absorb specific light wavelengths.

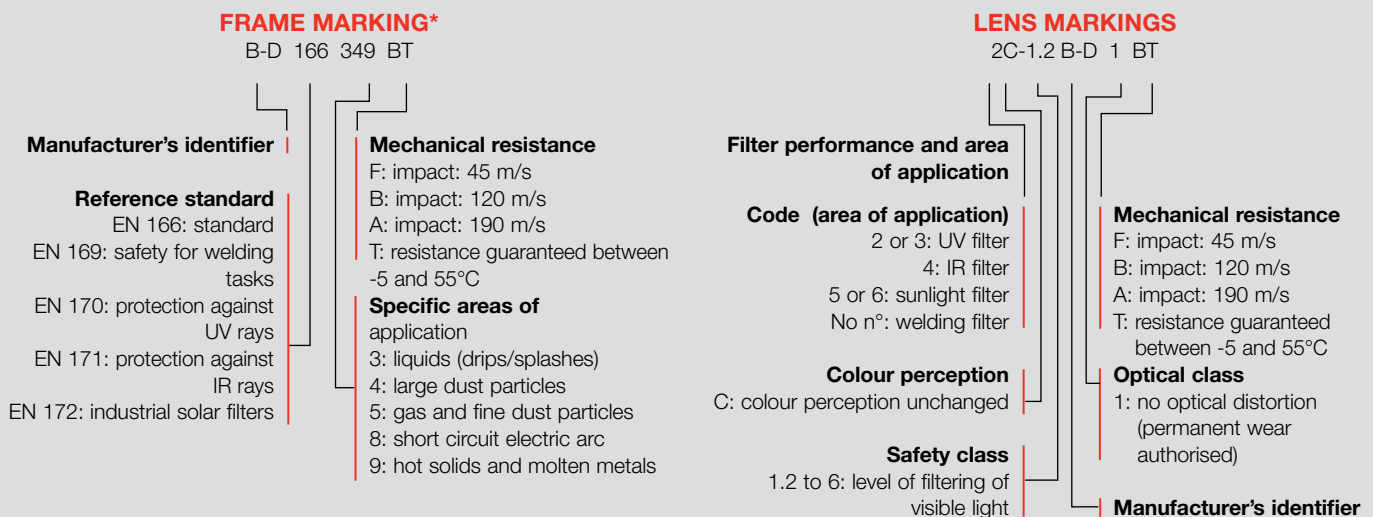
By filtering out particular wavelengths, these tints provide functional assistance for specific visual tasks, for example, in low light conditions, under halogen or fluorescent lighting, in strong sunlight or in proximity to a source of intense heat or even torchwelding, brazing and cutting.

TINT SELECTOR

(All Honeywell lenses offers over 99.9% protection against UVA, UVB and UVC)

	Clear	Cappuccino	Yellow HDL	Grey TSR	Blue mirror	Silver mirror	Silver I/O	IR3	IR5
characteristics									
VLT: Visible Light Transmission	92%	27%	87%	22%	23%	12%	45%	14%	2%
UV filter >	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
Applications									
For indoor use where eye protection is required against the more usual risks (e.g., impacts)	○								
For outdoor use where sunlight and dazzle may cause eye fatigue		●		●	●	●			
Provides high visibility and good contrast in low light conditions			●						
High performance lenses for indoor and outdoor use							●		
Welding								●	●

SAFETY EYEWEAR MARKINGS: HOW TO IDENTIFY APPLICATIONS AND PERFORMANCE



*New Honeywell models have a manufacturer's identifier: HON

Spectacles



XC®

FEATURES & BENEFITS

A truly protective, 9-base curved lens.

The geometry of the lens has been calculated to provide effective cover for the eye area and to reduce the risk of intrusion by particles. Its above-average thickness offers unequalled resistance to impact, ensuring that these spectacles provide protection that goes far beyond the standard requirements.

The integral ventilation channel in the browbar encourages air flows that help to prevent fogging.

Fast, easy lens removal makes it easy to clean or replace the lens.

Adjustable pantoscopic angle and temple length provide optimum adjustability, to ensure a gap-free-fit.

MMT (Multi-Material Technology®) provides increased comfort. The browbar is covered over its entire length in flexible, shockproof, non-slip elastomer.

RX Insert for XC spectacles. A product that allows prescription glass users to enjoy the benefits of extra comfort and protection offered by XC when compared with traditional solutions. Reference: 10 114 10



Application	Ref.	Frame	Lens	Treatment	Lens marking	Replacement lens
Indoor	10 110 27	Blue	○ Clear	Fogban / Anti-scratch	2C-1.2 B-D 1 FT	10 110 15

HONEYWELL ADAPTEC™

FEATURES & BENEFITS

- Adjustable nose bridge to centre the eye position to reduce eye fatigue.
- Automatic adjustment of the nose pads means additional comfort for the wearer.
- Adjustable lens angle for increased safety and reduced fogging.
- Precise adjustment of the temples to give the right fit and ensure comfort when worn for long periods.

Ref.	Frame	Lens	Lens marking
10 307 40	Blue/Grey	○ Clear	2C-1,2 EN166 1 FT H KN CE
10 307 50	Blue/Grey	○ Clear	2C-1,2 EN166 1 FT KN CE
10 307 60	Blue/Grey	○ Clear	2C-1,2 EN166 1 FT KN CE



XV100

FEATURES & BENEFITS

- Slimline, lightweight design, profiled temples.
- 10-base panoramic lens for a clear field of vision and optimum protection.
- Easy to wear universal nose bridge.



Application	Ref.	Frame	Lens	Treatment	Lens marking
Indoor	10 288 60	Clear frost	○ Clear	Anti-scratch	2C-1.2 B-D 1FTH
	10 288 62	Clear frost	○ Clear	Fogban	2C-1.2 B-D 1FTH



Spectacles

A 700

FEATURES & BENEFITS

- Economical and stylish eye protection.
- Transparent single lens spectacles with increased lower side protection.
- Sport temples with soft temple tip pads for a comfortable fit.
- Secure wrap around lens design.



Application	Ref.	Frame	Lens	Treatment	Lens marking
Indoor	10 153 61	Clear	○ Clear	Anti-scratch	2C-1.2 B-D 1 F
	10 153 60	Grey	○ Clear	Fogban / Anti-scratch	2C-1.2 B-D 1 F
Sun	10 153 62	Grey	● Grey TSR	Anti-scratch	5-2.5 B-D 1 F

A 800

FEATURES & BENEFITS

- Affordable and economically priced!
- Sporty, 9-base wrap around polycarbonate lens.
- Non-slip rubber nose bridge.
- Unique temples with soft padded inserts down the length of the temple.
- Extra "flex" built into the temple for tension control.



Application	Ref.	Frame	Lens	Treatment	Lens marking
Indoor	10 153 70	Translucent	○ Clear	Anti-scratch	2C-1.2 B-D 1 F
	10 153 69	Translucent	○ Clear	Fogban / Anti-scratch	2C-1.2 B-D 1 F
Sun	10 153 68	Grey	● Grey TSR	Anti-scratch	5-2.5 B-D 1 F
Indoor & Outdoor	10 153 50	Grey	● Silver I/O (In/Out)	Anti-scratch	5-1.7 B-D 1 F

OP-TEMA™

FEATURES & BENEFITS

- Lightweight classical style with a full view lens and a built-in moulded browbar.
- Adjustable temples (length and angle).
- Adjustable Flexicord neck cord (breakaway cord).
- Soft adjustable nosepiece.



Application	Ref.	Frame	Lens	Treatment	Lens marking
Indoor	10 000 16	Black	○ Clear	Anti-scratch	2C-1.2 D 1FT
	10 049 47	Black	○ Clear	Anti-scratch/Fogban	2C-1.2 D 1FT
	10 000 18	Blue	○ Clear	Anti-scratch	2C-1.2 D 1FT
	10 049 49	Blue	○ Clear	Anti-scratch/Fogban	2C-1.2 D 1FT

Spectacles



HONEYWELL MILLENNIA®

FEATURES & BENEFITS

- Simplicity and convenience create the perfect blend of style and performance.
- Comfortable and lightweight wrap-around uni-lens provides exceptional coverage.
- Includes adjustable breakaway hangcord for added security and convenience.



Application	Ref.	Frame	Lens	Treatment	Lens marking	Replacement lens
Indoor	10 000 01	Black	○ Clear	Anti-scratch	2-1.2 B-D 1FK	10 000 11
	10 027 81	Black	○ Clear	Fogban / Anti-scratch	2-1.2 B-D 1F	10 027 87
Sunlight (low intensity)	10 000 02	Black	● Grey TSR	Anti-scratch	5-2.5 B-D 1FK	-
Welding	10 064 05	Black	● IR 3	Anti-scratch	3.0 B-D 1F	-
Welding / Foundry	10 064 06	Black	● IR 5	Anti-scratch	5 B-D 1F	-

N-VISION™ T5655

FEATURES & BENEFITS

- Optional Rx Insert available (65RXII).
- Provided with two Flexi-Fit soft nose-pieces (regular and narrow) for comfort and adaptability.
- Easy lens replacement system.
- Frame made of new Elasto LT chemical resistant material.
- Utilizes exclusive North 4A coating, protecting against fog, scratches, UV and static (mirror lenses use North 3A coating).
- Customizable with your logo.
- Comfortable straight and curved temple ends supplied with all N-Vision 5600 Series eyewear.
- Meets ANSI Z87.1-2010 and is certified to the requirements of the CSA Z94.3 standards.



Ref.	Frame	Lens Coating
T56555B	Black-Gray/Clear	4A

VISITOR 90S

FEATURES & BENEFITS

- 6-base curved Pc lens.
- Integrated side shields.



Ref.	Lens	Coating	Lens marking
909110	○ Clear	3A	EN166 1F CE



Spectacles / Goggles

OG T1100

FEATURES & BENEFITS

- The “over the glass” spectacle.
- 6-base curved Pc lens.
- Integrated side shields.
- Fits over protective and prescription eyewear.
- Also can be worn as regular safety glasses.
- Offers very good coverage.
- Wide field of view.
- Utilizes exclusive North 4A coating, protecting against fog, scratches, UV, and static.

Ref.	Lens	Coating	Lens marking
906500	○ Clear	3A	EN166 1F CE
T11005	○ Clear	4A	



DURAMAXX™

FEATURES & BENEFITS

DuraMaxx™ stands out due to its modern design and its leading edge lens coating. Now DuraMaxx™ facilitates and encourages the wearing of safety goggles in the workplace.

- **Ideal for protection against impact, dust, airborne particles, chemical splash and optical radiation** (UV and welding / heat radiation).
- **Wrapround lens** offers a wide panoramic field of vision.
- **Modern ergonomic design** for protection against chemical splash and impact from projections.
- The lens provides superior optical quality and peripheral vision.
- Soft elastomer body flexes and conforms to the face for a secure, comfortable, gap free-fit.
- Pivoting quick-adjust headband provides easy adjustment for a comfortable fit.
- The goggles can be used comfortably with most prescription glasses.
- May be worn comfortably with respirator half masks.
- Available exclusively with Dura-Streme® technology offers **Fogban (N) protection on the inside of the lens and an anti-scratch (K) coat on the outside for extra resistance to scratches and chemical products, plus increased longevity.** In situations where physical effort is an essential part of your work, or where heat, humidity, mist, sand, dust and chemical products are environmental factors, Dura-Streme® technology provides the protection that you need.



Application	Ref.	Name	Lens	Treatment	Frame marking	Lens marking	Replacement lens
Indoor	10 177 50	Blue/grey frame – Elasticated strap	○ Clear (PC)	Dura-streme®	B-D 166 34 BT	2C-1.2 B-D 1BT KN	10 281 35
	10 177 51	Blue/grey frame – Neoprene strap	○ Clear (PC)	Dura-streme®	B-D 166 34 BT	2C-1.2 B-D 1BT KN	10 281 35
Welding	10 281 33	Blue/grey frame – Neoprene strap	● IR3 (PC)	Dura-streme®	B-D 166 34 BT	3 B-D 1BT KN	10 281 39

Goggles



MAXX PRO®

FEATURES & BENEFITS

Maxx Pro combines modern design, technology, materials and coating performance for worker comfort and acceptance.

- Toric lens provides superior optics and peripheral vision.
- Soft elastomer body flexes and conforms to the face for a comfortable, gap free-fit.
- Pivoting, quick adjustment head band.
- Indirect ventilation system minimizes fogging.
- Economical lens replacement system.



Application	Ref.	Name	Lens	Treatment	Frame marking	Lens marking	Replacement lens
Indoor	10 110 71	Neoprene strap	○ Clear	Anti-scratch/ Fogban	B-D 166 349 FTK	2C-1.2 B-D 1 FT 9	10 110 70
	10 110 72	Textile strap	○ Clear	Anti-scratch/ Fogban	B-D 166 349 FTK	2C-1.2 B-D 1 FT 9	10 110 70

V-MAXX®

FEATURES & BENEFITS

A sporty style goggle.

- **Can be used with most prescription glasses** and/or most respirator half masks.
- **Indirect ventilation and anti-splash system.**
- **Polycarbonate (PC)** or **Acetate** (chemicals) lens.
- Pivoting headband clips to adjust around hard hats or hearing protection.
- Fits a wide variety of workers.
- Sleek wrap-around style with a 180 degree field of vision.
- Peel off goggle covers available to extend lens life.



Application	Ref.	Name	Lens	Treatment	Frame marking	Lens marking
Indoor	10 061 92	Indirect ventilation - textile strap	○ Clear PC	Anti-scratch	3.4.B	2 - 1.2 D1B
	10 061 93	Indirect ventilation - textile strap	○ Clear PC	Anti-scratch/Fogban	3.4.9.B	2 - 1.2 D1B 9
	10 061 94	Indirect ventilation - Neoprene strap	○ Clear PC	Anti-scratch/Fogban	3.4.9.B	2 - 1.2 D1B 9
	10 061 95	Textile strap	○ Clear PC	Anti-scratch/Fogban	3.4.5.9.B	2 - 1.2 D1B 9
	10 061 96	No ventilation, foam seal Textile strap	○ Clear PC	Anti-scratch/Fogban	3.4.5.9.B	2 - 1.2 D1B 9
	10 075 06	V-Maxx Chemicals, indirect ventilation neoprene strap	○ Clear acetate	Anti-scratch/Fogban	3.4.F	D1F
Welding	10 081 10	V-Maxx Welding	● PC IR 3	Anti-scratch/Fogban	3.4.9.B	3 B-D 1B 9
Welding / foundry	10 081 11	V-Maxx Welding	● PC IR 5	Anti-scratch/Fogban	3.4.9.B	5 B-D 1B 9



Goggles / Faceshields

LG10 & LG20

FEATURES & BENEFITS

- Economy goggle.
- Soft seal and easily adjustable headband for a wide variety of workers.
- Weight: lightweight, for optimum comfort (75 to 79 g).
- Chemistry version available in acetate.



Application	Ref.	Name	Lens	Treatment	Lens marking
Indoor	10 055 04	LG10 direct ventilation	○ Clear PC	-	B
	10 055 07	LG20 indirect ventilation	○ Clear PC	-	3.B
	10 055 09	LG20 indirect ventilation	○ Clear PC	Anti-scratch/Fogban	3.B
	10 081 12	LG20 Chemical, indirect ventilation	○ Clear acetate	Anti-scratch/Fogban	3.B

BIONIC®

The Bionic shield is designed for rugged jobs: it's tough where it has to be, yet extremely lightweight and balanced to provide all day comfort.

FEATURES & BENEFITS

Superior protection.

- Integral face protection, from crown to chin.
- Superior quality panoramic vizor, for maximum visibility.
- Wide range of easy to replace vizors available in a range of materials, shades and finishes to meet every need.
- Compatible with most spectacles, goggles and respirator masks.
- Locking mechanism for total security.
- 100% dielectric.
- Excellent optics for increased visibility.

Unequaled comfort.

- 2784 possible combinations.
- Click-lock mechanism for precise headgear adjustment.
- Multi-position visor and ratchet locking system.
- Breathable, removable, washable headband.
- Comfortable cell foam on back of headgear.



BIONIC® FULL FACE SCREENS

Application	Ref.	Name	Lens	Treatment	Frame marking	Lens marking
Heavy mechanical work	10 116 23	Bionic face screen with uncoated polycarbonate screen	○ Clear	-	B-D 166 3 BT	2C-1.2 B-D 1 BT 3 9
	10 116 24	Bionic face screen with polycarbonate screen	○ Clear	Anti-scratch/Fogban	B-D 166 3 BT	2C-1.2 B-D 1 BT 3 9
Chemical projections	10 119 33	Bionic face screen with uncoated acetate screen	○ Clear	-	B-D 166 3 BT	B-D 1 FT 3

Faceshields



SUPERVIZOR

FEATURES & BENEFITS

- Compatible with a wide range of helmet types (size, shape and geometry).
- Secure screen attachment system for easy visor replacement.
- Integral facial protection: versions with chin guard option for extra protection.
- The screen is shaped at the sides to follow the shape of the face and to allow unhindered head movement.
- The design allows the screen to be raised without disturbing the hearing protectors and facilitates the use of noise-reduction helmets without compromising their performance, whilst maintaining maximum facial protection.
- Wide range of screens for every hazard: mechanical, chemical, thermal etc.
- Portfolio compatible with our range of hearing protectors and is suitable for use with safety helmets.



Ref.	Name	Name	Weight	Marking
10 022 97	SB600	Headgear with adjustable strap	120 g	D.166.3.F
10 023 02	SA660	PC screen mounting, for site safety helmets	125 g	D.166.8.F
10 023 10	SV9PC/CG	Clear polycarbonate screen with chin guard mounting (200 mm)	-	D.1.B.3.9
10 023 07	SV9AC	Clear acetate screen (200 mm)	-	D.1.F.3
10 022 95	VS7	Chin guard for 10 023 10 and 10 023 09 screens	-	-

TURBOSHIELD™

FEATURES & BENEFITS

- Superior comfort: Flexible head-cushioning suspension cradle provides 300% greater contact area than traditional suspensions to eliminate pressure points for all-day wear.
- Easy visor exchange: Simple push-button release system allows for easy visor exchange in seconds.
- Improved protection: Feel safer with 50% more chin coverage compared to traditional visors, without the need for bulky accessories.
- Personalized, comfortable fit: Control knobs are large and ergonomically designed for easy adjustment — even while wearing gloves.
- Better balance: Visor slides back 170mm, improving balance and weight distribution when worn with the Turboshield Hard Hat Adapter.
- Enhanced clearance: Dual-hinge hard hat adapter design increases clearance by as much as 100mm and keeps accessory slots open for compatibility with other PPE.



HEADGEAR

Ref.	Name	Shell marking
10 317 40	Turboshield Ratcheted Headgear, Black	HON 166 BT A 3 9 CE

HARD HAT ADAPTER

10 317 49	Turboshield Hard Hat Adapter,* Black	HON 166 BT A 3 9 CE
-----------	--------------------------------------	---------------------

Application	Ref.	Name	Coatings	Visor Marking
Ideal for most indoor work applications	10 317 43	Clear PC Turboshield Replacement Visor	Uncoated	2C-1.2 HON 1 BT A 3 9 CE
	10 317 44	Clear PC Turboshield Replacement Visor	Hardcoat/Anti-Fog	2C-1.2 HON 1 BT A 3 9 K N CE



Faceshield Accessories

FACE SHIELD HEADGEAR

FEATURES & BENEFITS

SmoothLok™ Ratchet

- Patented non-slip ratchet system is easy to use and offers precise size adjustments. The SmoothLok ratchet is available on the KHG4001 and KHG5001 headgear and on the following hard hats: The Matterhorn, Summit, Everest, K2 series and The Peak A69R, A79R.
- Accepts a wide range of face shield styles.
- Large sparkguard provides excellent protection.
- Cross strap adjusts to allow an exceptional fit.
- Full floating mount sparkguard provides comfortable wear even with heavy face shield and continuous use.
- 4000 Series comes with quick-change system for holding face shield.
- 5000 Series comes with protected holding system for face shield to help reinforce splash protection to inside of the face shield.
- PHG Series comes with pinlock adjustment.
- KHG Series comes with SmoothLok ratchet adjustment for quick, easy and perfect fit.

CHG5002 Chin Protector

- Completes any of the 4 headgear models.
- Will fit face shields: A8153/40, A8153/60.

Ref.	Adjustment Fit	System
KHG4001	Ratchet	Quick
CHG5002	-	-



FACE SHIELD REPLACEMENT VISORS

FEATURES & BENEFITS

- Available in a wide range of sizes and tints to help meet the most demanding applications.
- Available in two materials, economical PETG or high impact-rated polycarbonate.
- Available as easy-to-store die-cut flat versions, as well as pre-shaped visors.

Ref.	Material	Color	Thickness
A8152/40	Polycarbonate	Clear	.040
A8152/60	Polycarbonate	Clear	.060
A8153/40	PETG	Clear	.040





NORTH FACE SHIELD HARD HAT ADAPTERS

FEATURES & BENEFITS

- Designed to fit perfectly on North hard hats, as well as many competitive hard hats
- Available in task-specific materials, from dielectric plastic to high heat-resistant aluminium

Ref.	Description	Fits Hat
CP5004	Aluminum Brackets "High Heat Resistant"	A59, A69, A79, A89
CP5005	Plastic Brackets Made from Nylon	A59, A29, A99, A89



HIGH PERFORMANCE® FACE SHIELD HEADGEAR

FEATURES & BENEFITS

- Crowns made of advanced, heat-resistant Noryl® Material.
- Tough, 3C ratchet suspension.
- 3 crown sizes.
- Suspension can be removed to accommodate a range of Fibre-Metal attachment systems.
- Meets ANSI Z87.1 standards and certified to CSA Z94.3.

Ref.	Crown Size	Suspension	Color
F400	4"	3C Ratchet	Gray Noryl



HIGH PERFORMANCE® FACE SHIELD WINDOWS

FEATURES & BENEFITS

- Made from durable 0.060" thick propionate.
- Great combination of impact protection, chemical resistance and clarity.
- Available in 3 widths to meet specific environmental needs.
- Meets ANSI Z87.1 standards and certified to CSA Z94.3.

Ref.	View Size	L x W	Window Tint	Mounting Crown
4178CL	Standard	8" x 11.25"	Clear	F300
4178IRUV5	Wide	8" x 16.5"	Shade 5.0	F400, F500
4199GDTVGY	Extended	9.75" x 19"	Gold Coated TCV Gray	F400, F500





Emergency Eyewash

Fendall Porta Stream® I

FEATURES & BENEFITS

- Delivers 6 minutes of uninterrupted, hands-free flushing - without costly plumbing.
- Easy installation - can be easily and affordably placed near most workplace hazards with single bracket mounting device or transported with optional universal cart. Molded handle accepts hanging bracket for vertical or horizontal surface installation.
- Supplied with either 70 oz. (2.07L) of Eyesaline Concentrate which, when mixed with tap water, provides 6 gallons (22.7L) of buffered, Eyesaline solution superior to tap water for emergency eye care solution, or 8 oz. of Water Additive, enough for 14-16 gallons of water.
- Nozzle strap is easily removed for hands-free flushing, leaving hands free to hold eyelids open.
- Low maintenance with one-piece, molded construction and no moving parts.
- Large fill hole simplifies refilling and cleaning.
- Easy-to-use design features simple, highly visible operating instructions on the unit itself.
- Eyesaline Concentrate requires 6-month maintenance cycle. Water Additive requires a 4-month maintenance cycle.
- DOES NOT MEET the current ANSI Z358.1 15-minute flushing requirement.
- Made in the USA.



Product Number	Description
32-000100-0000	Eyewash Station (English) with Eyesaline Concentrate

Fendall Porta Stream® II

FEATURES & BENEFITS

- Easy installation with no plumbing required. Can be easily and affordably placed near most workplace hazards with single bracket mounting device or transported with optional universal cart or universal stand. Molded handle accepts hanging bracket for vertical or horizontal surface installation.
- Versatile flushing fluid options include Eyesaline Concentrate – a buffered, saline solution superior to tap water for emergency eye care, and Water Additive.
- Large 16 gallon (60.5L) capacity permits thorough flushing by providing 0.4 gpm over the entire 15-minute flushing period required by current ANSI Z358.1.
- Nozzles cover a wide area around the eyes.
- Simple strap design is easily removed for hands-free flushing, leaving hands free to hold eyelids open.
- Properly installed, the system may be safely leaned upon during use.
- Large fill hole/lockable fill cap to simplify refilling and cleaning. Reduces risk of possible tampering.
- Easy-to-use design features simple, highly visible operating instructions on the unit itself.
- Honeywell Eyesaline Concentrate requires 6-month maintenance cycle. Water Additive requires a 4-month maintenance cycle.
- Meets current ANSI Z358.1 15-minute flush requirement for primary eyewash stations.
- Made in the USA.



Product Number	Description
32-000200-0000	Eyewash Station (English) with Eyesaline Concentrate

Emergency Eyewash



Fendall 2000™

FEATURES & BENEFITS

- Delivers 100% sterile saline from a 100% sterile delivery system.
- 24-month cartridge life,* saves time and money on replacements and inspections.
- Built-in alarm system that sounds when the unit has been activated and again when the injured individual has completed the required 15-minute flush.
- Deactivation button that allows for fast and easy maintenance without false activation.
- Arm/headrest provides user comfort, enabling better compliance.
- Integrated waste containment to prevent spills and is easily emptied.
- Sleek assembly that fits in most locations.
- Self-contained, with no plumbing required, makes this highly portable.
- Easy-view side windows to check sterile solution expiration date and key contact information.
- Heated Accessory (sold separately) available for use in temperatures as low as -40° while still maintaining the cartridge solution at a tepid temperature as required by the current ANSI Z358.1 standard.
- Comes complete with emergency eyewash station sign, mounting bracket, installation DVD, tamper seal, and 1-year warranty. Sterile Eyesaline solution cartridge (sold separately). Cartridge manufactured in USA.
- Meets current ANSI Z358.1 15-minute flush requirement for primary eyewash stations.



Product Number	Description
32-002000-0000	Sterile Eyewash Station (Trilingual)

Eyesaline Wall Stations

FEATURES & BENEFITS

- Sealed, sterile, bottles contain Eyesaline – a buffered, saline solution superior to tap water for emergency eye care.
- Blow-fill-seal bottles are tamper resistant, yet easily removed in an emergency.
- Extended flow opening provides longer flow rate than conventional bottles.
- Durable, open face design holds bottles firmly in place with easy access to bottles in an emergency
- Mounts to wall with provided screws.
- Durable plastic is easy to clean.
- Simple, highly visible operating instructions are provided on each unit. 16 oz. and 32 oz. bottles feature trilingual instructions.
- Ensured quality and lasting value with FDA-grade polyethylene bottles featuring lot numbers and expiration dates.
- DOES NOT MEET the current ANSI Z358.1 15-minute flushing requirement.
- Made in the USA.



Product Number	Description
32-000460-0000	16 oz. Single Eyewash Wall Station (Trilingual)
32-000461-0000	32 oz. Single Eyewash Wall Station (Trilingual)
32-000462-0000	32 oz. Double Eyewash Wall Station (Trilingual)
32-000465-0000	16 oz. Double Eyewash Wall Station (Trilingual)

Head Protection





THE PEAK RANGE

FEATURES & BENEFITS

- A versatile and dependable design, with grooved HDPE outer shell, rain trough and accessory slots.
- Choice of 4-point or 6-point, nylon web or plastic suspension.
- Pin lock or ratchet size adjustment with 3-level height adjustment.
- A59: Meets ANSI Z89.1-2009 Type 1 Class E.
- A69, A79: Meets ANSI Z89.1-2009 and CSA Z94.1-2005 Type 1 Class E.

Ref.	Suspension	Shell	Adjustment	Certification
A59010000	4-point	HDPE	Pin-lock	ANSI/EN
A59R010000	4-point	HDPE	Ratchet	ANSI/EN

Ref.	Suspension	Shell	Adjustment	Certification
A69010000	6 points	HDPE	Pin-lock	ANSI/EN
A69R010000	4 points	HDPE	Ratchet	ANSI/EN

Ref.	Suspension	Shell	Adjustment	Certification
A79010000	4 points	HDPE	Pin-lock	ANSI/EN
A79R010000	4 points	HDPE	Ratchet	ANSI/EN



P2HN SUPER EIGHT HIGH PERFORMANCE HARD HATS

FEATURES & BENEFITS

- Provides an extra margin of high heat protection up to 500°F for extreme conditions.
- SuperEight™ Roughneck™ hard hats are the industry standard. And now, after years of research and testing, we've made them even better. Here's why:
- New P2N's proprietary injection molded fiberglass compound is 37% stronger than before – and eight times stronger than common high density polyethylene (HDPE) cap shells.
- For added assurance of performance, all Roughneck™ caps are factory assembled and SEI ANSI Type I, Class G (including quick lock model) and CSA approved Type 1 class G or C (Class C for Quick-Lok™ model) in both forward and reverse orientation.
- They meet ANSI-Z89.1-2003 impact resistance tests at extreme temperatures: up to 325°F (P2N) and up to 500°F (P2HN).
- Injection-molded solid color resin for a permanent, no-chip, no-peel finish. You can choose from nine popular colors.
- Available with Fibre-Metal®'s famous non-slip/non-strip ratchet, SwingStrap™ or Tab-Lok™ headgear.
- Ready to use with the industry's most versatile Quick-Lok™ or Speedy-Loop™ faceshield or welding helmet attachment system.





Head Protection

FULL BRIM HELMETS

FEATURES & BENEFITS

- Full brim HDPE shell with accessory slots.
- Protects from the sun's UV rays, rain and falling debris.
- 4-point or 6-point nylon suspension with 2 level height adjustment.
- A49: Meets ANSI Z89.1-2009 and CSA Z94.1-2005 Type 1 Class E.
- A119R: Meets ANSI Z89.1-2009 and CSA Z94.1 Type 2 Class E.

Ref.	Suspension	Shell	Adjustment	Certification
A49R010000	4-point	HDPE	Pin-lock	ANSI/CSA



E2

FEATURES & BENEFITS

- Thermoplastic cap style hard hat with Fibre-Metal smooth crown design.
- The technically-advanced SuperEight® suspension balances and spreads weight over a wide area for added comfort and impact protection.
- Available with the famous Fibre-Metal non-slip/non-strip ratchet, SwingStrap™ or TabLok™ headgear.
- Available in a wide range of popular colors and full graphic designs.
- Meets ANSI Z89.1-2009 Type 1, Class E, in both forward and reverse.

SKU	Suspension
E2RW01A000	Ratchet



SBC2 BASEBALL CAP STYLE BUMP CAPS

FEATURES & BENEFITS

- Cool, lightweight, stylish protection from bumps, bruises and lacerations.
- Lightweight, sturdy 100% brushed cotton.
- Distinctive American style baseball cap design.
- Cooling ventilation eyelets permit air circulation.
- Hygienic, easy to clean.
- Unique high strength-to-weight protective liner.
- Inner surface soft foam comfort pad.
- Adjustable back strap fits most head sizes.
- Available in a wide range of colors.
- Colorful high quality logo embroidery.
- Meets CE bump cap standard EN 812/AI.
- Lowest cost, best value of any brand.
- Replacement Inner Shell - SBCIS07.



CHIN STRAP

FEATURES & BENEFITS

- 2 Point Chin Strap

SKU	Suspension
E2RW01A000	Ratchet



Welding Protection





Welding Protection

The eye is particularly sensitive, thus requiring outstanding protection to prevent irreversible lesions.

The risks and dangers linked to welding

All welding operations involve a constant risk for the welder and for those located in his direct environment (assistant welder, co-workers or anyone close to the welding application). Wearing the appropriate protection enables the welding process to be performed without any danger, provided that the welder is aware of the different types of risks incurred as well as the body parts to be protected.

The use of welding techniques generally causes the following hazards:

ULTRAVIOLET RADIATION (100-400 nm)

It causes in the human eye what is called welder's flash (photokeratitis), which is very painful, generally resulting in several missed work days. In addition, ultraviolet radiation may result in irreversible cataracts. It can irritate the skin and cause burns, or even cancer.

INFRARED RADIATION

Intense infrared and visible light may result in permanent damage such as lesions or retinal burns. In all cases, a high intensity of infrared and visible light may also create sore and red eyes (eye strain).



Appropriate welding masks or goggles must systematically be worn, whatever process used, and comply with the directives in force.

Shade selector table to help you choose the right shade

Intensity (amperes)	Plasma jet cutting	Arc welding	MIG; heavy metal	MIG alloys	TIG; metal alloys	MAG welding	Plasma jet welding
0,5-							2,5
1-							6
2,5-							7
5-							8
10-					9		9
15-		9			10		10
20-		10			11		11
30-	11	11	10	10	12	10	12
40-	11	11	11	11	12	11	12
60-	11	11	11	11	12	12	12
80-	11	11	11	11	12	12	12
100-	11	11	11	11	12	12	12
125-	11	11	11	11	12	12	12
150-	11	11	11	11	12	12	12
175-	12	12	12	12	13	13	13
200-	12	12	12	12	13	13	13
225-	12	12	12	12	13	13	13
250-	12	12	12	12	13	13	13
275-	13	13	13	13	14	14	14
300-	13	13	13	13	14	14	14
350-	13	13	13	13	14	14	14
400-	13	13	13	13	14	14	14
450-	13	13	13	13	14	14	14
500-	13	14	14	15	15	15	15



TIGERHOOD

FEATURES & BENEFITS

Lightweight helmet with classic 3C free floating headgear, stable and balanced for improved productivity.

- High performance material, unlike any other thermoplastic welding mask.
- Increased impact resistance.
- Higher melting point / greater heat resistance.
- Greater chemical resistance.
- Greater resistance to scratching and cracking.

Ref.	Description	Screen	Size	Glass
81 29 20	Tigerhood 2999	Fixed	90 x 110	ADF DIN4/9-13



HW100

FEATURES & BENEFITS

The HW100 helmet features solar-powered Shade 10 ADF technology ideal for general welding applications. Specifically designed for convenience, comfort and durability, The HW100 offers a host of features including:

- An easy ratchet adjustment system for personalized fit and total comfort.
- Replaceable, padded sweatband.
- A design that accommodates many safety eyewear and respiratory products.
- Viewing Area: 6.5" (3.8" x 1.7" / 96mm x 42mm)
- Operating temperature range: -5° C to +55° C (+23° F to +131° F)
- Two year warranty on auto darkening filter.
- Certified to the requirements of the ANSI Z87.1-2010, CSA Z94.3, and EN379 standards.

Ref.	Description	Screen	Size	Glass
HW100	HW100	Fixed	94 x 42	ADF 10



HW200

FEATURES & BENEFITS

For more advanced welding applications, the HW200 helmet features solar-powered, adjustable Shade 9-13 ADF technology, as well as sensitivity and delay adjustments for customizable filter settings. Ideal for more experienced welders requiring a wider shade selection, the HW200 helmet offers more comprehensive features and benefits including:

- Grind Mode functionality that ensures the ADF will not darken when used during clean-up work.
- Sensitivity adjustment that gives the wearer the option to adjust the filter's sensitivity to avoid unwanted darkening from ambient light conditions.
- An easy ratchet adjustment system for personalized fit and total comfort.
- Replaceable, padded sweatband.
- A design that accommodates many safety eyewear and respiratory products.
- Viewing Area: 7.2"(3.8" x 1.9" / 97mm x 47mm)
- Operating temperature range: -10° C to +55° C (+14° F to +131° F)
- Two year warranty on auto darkening filter.
- Certified to the requirements of the ANSI Z87.1-2010, CSA Z94.3, and EN379 standards.

Ref.	Description	Screen	Size	Glass
HW200	HW200	Fixed	97 x 47	ADF 9-13





TIGERHOOD AUTO DARKENING WELDING HELMET

FEATURES & BENEFITS

- Lightweight helmet with classic 3C free floating headgear, stable and balanced for improved productivity.
- High performance material, unlike any other thermoplastic welding mask. Increased impact resistance.
- Higher melting point / greater heat resistance.
- Greater chemical resistance.
- Greater resistance to scratching and cracking.
- Easy-to-use front loading glassholders.
- Comfortable, free floating headgear.
- Greater heat resistance.
- Better dimensional stability at elevated temperatures.
- Higher melting point.
- Extended service life, lower cost.
- Solar powered, no batteries to change.
- Lithium battery back-up.
- Fast, reliable switching speed.
- Constant UV/IR protection.
- Best optical quality in the industry.
- Can be used in most welding applications.
- Contains sensitivity adjustment.
- Perfect price/quality report.

Technical

- **Put ADF technology to work:** The Tigerhood continues to set the standard for performance and innovation with the introduction of models equipped with quality, reliable auto darkening filters that take advantage of advances in ADF technology. A quality welding helmet with auto darkening filter increases productivity, improves quality, reduces downtime and rework, lowers injury and workers compensation costs.
- **Rugged, reliable performance:** Tigerhood high performance ADF helmets are engineered to provide exceptional performance across the whole spectrum of arc welding processes. Built-in ruggedness and advanced technology ensure that they work the first time and every time all shift long.
- **Productivity improvement:** Because Tigerhood high performance ADF's reduce downtime, welders make more and better welds, with less rework, and productivity gains from 30% to 50% are common.

Design to Use with PAPR or Supplied Air Line System

- Description: Thermoplastic Welding helmet
- Glass holder: 90mm x110mm
- Materials: Propionate
- Weight: 410 gr. (ex. Welding filter)
- Marking: EN 175



Ref.	Description	Screen	Size
A114725	Tigerhood Auto Darkening for SAR/PAPR	Fixed	90 x 110



TIGERHOOD CLASSIC

FEATURES & BENEFITS

- Unique welding helmet design provides extended throat protection while blocking fumes and smoke from the face.
 - Molded-in colors eliminate chipping, peeling, and fading.
 - Smooth, seamless shell deflects sparks and spatter reducing the risk of burn through
- Tigerhood™ Classic contains the features that make lightweight thermoplastic welding helmets popular with today's welders. What makes it stand out is its performance and comfort enhancing extras that help welders produce more with fewer injuries. Molded from Noryl® job proven superior in welding related performance characteristics, Tigerhood™ Classic is the workhorse of thermoplastic helmets. It maintains its high performance level across a wide spectrum of welding processes and working conditions. Tigerhood™ Classic has a high welder satisfaction rating because it helps welders do their job better. When welders do their job better – you gain a productivity edge.

Exclusive Air Flow Design:

- Tigerhood™ Classic's unique design provides extended throat protection while blocking fumes and smoke from the face. Size and shape allows air to circulate, to help clear any smoke and fumes that seep in.
- Comes with shade 10 filter plate installed.



Ref.	Description	Screen	Glass
906GY	Tigerhood Classic	Flip up	IR10

FMBV913

FEATURES & BENEFITS

- Shade 4 (light state).
- Selectable filter shades 9-13.
- Fast, reliable switching speed Solar powered-no batteries to change 7 square inches of viewing area.
- Highest optical quality available Can be used in most welding applications Contains sensitivity adjustment Responds to low (5 amp) TIG arcs Two year warranty.
- Among lowest price, best values.



Ref.	Description	Glass
FMBV913	Auto Darkening Filter	ADF DIN4/9-13

Respiratory Protection



Recommendations



All respirators are Category 3 devices according to the Personal Protective Equipment Directive: protection against major risks

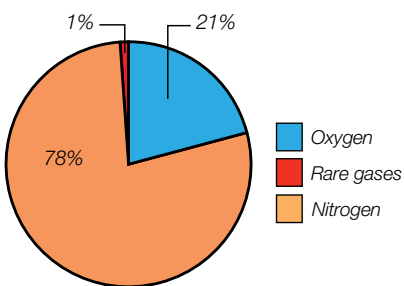
They are designed and manufactured for:

- > Protection against dust, fumes, liquid aerosols or gases and vapours
- > To fully isolate the user from the ambient air and thereby offer protection against a wide range of contaminants

CRITERIA FOR SELECTING RESPIRATORY EQUIPMENT

- > Oxygen level
- > Knowledge of toxicity
- > Odour
- > Risk of an explosive atmosphere (ATEX)

Composition of the air



O₂ > 17%*

- Knowledge of contaminant
- Detectable odour

Filtering apparatus

Mask + filtration device for the purification of ambient air

O₂ ≤ 17%

- Uncertainty about the risk
- No detectable odour

Isolating devices

Mask + air supply device

ATEX risk

*Check local regulations in force.

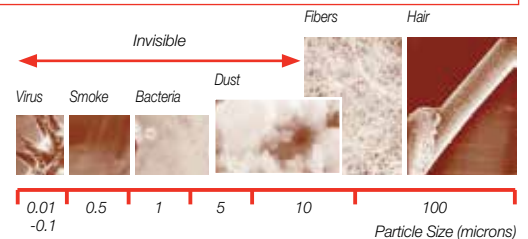
Classification of toxic contaminants (particles):

Solid and liquid aerosols: they can be of different types

- ▶ Troublesome
- ▶ Causing allergies or irritations
- ▶ Causing lung damage

Whatever the particle size, the risks can be significant depending on the **exposure time**

The increasing use of liquid aerosols requires the use of suitable protection according to the nature of the aerosol used and the composition of the product applied.



The size of the aerosol is one of the elements which determines the choice of the protection

Use classes of filters:

> Protection against particles, dust and aerosols:

Class 1 (P1 or FFP1)
to protect against coarse solid particles without specific toxicity (calcium carbonate).

Class 2 (P2 or FFP2)
to protect against solid and/or liquid aerosols identified as hazardous or irritating (silica - sodium carbonate).

Class 3 (P3 or FFP3)
to protect against toxic solid and/or liquid aerosols (Beryllium - nickel - uranium - exotic wood).

USE A SELF-CONTAINED RESPIRATORY DEVICE IF:

- The oxygen concentration is less than 17%
- The concentration of contaminants is unknown or too high
- The filter is not suitable for contaminants present

> Gas/Vapour protection:

For fresh air negative pressure breathing

Class 1 for a gas content
Maximum 1,000 ppm by volume.

Class 2 for a gas content
Maximum 5,000 ppm by volume.

Class 3 for a gas content
Maximum 10,000 ppm by volume.

> For use in assisted breathing

Class 1 for a gas content less than 0.05% by volume.

Class 2 for a gas content less than 0.1% by volume.

Class 3 for a gas content less than 0.5% by volume.



Regulation – Standardization

EN Standards for Respirators

Standard number	Standard name
Disposable masks	
EN 149 + A1*	Half mask respirators against particles
EN 405 + A1*	Half mask respirators with valves against gases or combined gases and particles
Reusable Masks	
EN 136*	Full-face masks
EN 140*	Half masks and quarter masks
EN 143 + A1*	Particulate filters
EN 14387 + A1* (previously EN 141, previously EN 371, previously EN 372)	Anti-gas filters and combined filters
EN 148* (Parts 1-3)	Threads for face pieces Standard thread connection Center thread connection Thread connection M 45 x 3
Assisted breathing	
EN 12941 + A1 + A2* (previously EN 146)	Assisted breathing filtering devices incorporating helmets or hoods
EN 12942 + A1 + A2* (previously EN 147)	Assisted breathing filtering devices with full masks, half masks or quarter masks.
Insulating air supply devices	
EN 14594*	Self-contained respiratory protection devices to continuous flow compressed air supply
SCBA	
EN 137*	Open circuit compressed air self-contained breathing apparatus and full-face piece
EN 145 + A1*	Closed circuit type self-contained breathing apparatus using compressed oxygen or compressed oxygen - nitrogen.
Escape devices	
EN 402*	Open circuit compressed air self-contained breathing apparatus, with on-demand valve, full-face mask or mouthpiece assembly for evacuation.
EN 403*	Filtering devices with hood for fire evacuation.
EN 1146*	Open circuit compressed air self-contained breathing apparatus, with hood for evacuation.
EN 13794*	Closed circuit self-contained breathing apparatus for evacuation.
DIN 58647-7*	Respiratory protection devices for evacuation – Part 7: Filtering devices for evacuation
ISO 23269-1:2008	Ships and marine technology. Breathing apparatus for ships. Emergency escape breathing devices (EEBD) for shipboard use.

* For all standards references cited and undated, the latest edition of the reference document (including any amendments) applies.

NIOSH Standards for Disposable Respirators

Standard number	Standard name
Disposable masks	
N95	Filters at least 95% of airborne particles. Not resistant to oil.
Surgical N95	A NIOSH-approved N95 respirator that has also been cleared by the Food and Drug Administration (FDA) as a surgical mask.
N99	Filters at least 99% of airborne particles. Not resistant to oil.
N100	Filters at least 99.97% of airborne particles. Not resistant to oil.
N100	Filters at least 99.97% of airborne particles. Not resistant to oil.
R95	Filters at least 95% of airborne particles. Somewhat resistant to oil.
P95	Filters at least 95% of airborne particles. Strongly resistant to oil.
P99	Filters at least 99% of airborne particles. Strongly resistant to oil.
P100	Filters at least 99.97% of airborne particles. Strongly resistant to oil.

* For all standards references cited and undated, the latest edition of the reference document (including any amendments) applies.

Disposable Respirators-NIOSH Approved



N1105

N95 MASK, ECONOMY, N95 BOOMERANG NOSE SEAL, EXHALATION VALVE

- Multiple size options for wide range and improved fit.
- Molded cup design.
- Incorporates humidity-resistant filter media.
- Low breathing resistance.
- Lightweight design.
- Durable suspension straps.
- Twin elastic straps, ultra flexible and resistant, stapled outside of the filtering area to avoid any risk of leakage.
- Nose clip is color-coded for visible size recognition.



N1105

Ref:	Med/Lrg
N1105	1006630

N1125

N95 MASK, ECONOMY, N95 BOOMERANG NOSE SEAL, EXHALATION VALVE

- Multiple size options for wide range and improved fit.
- Molded cup design.
- Incorporates humidity-resistant filter media.
- Low breathing resistance.
- Lightweight design.
- Durable suspension straps.
- Twin elastic straps, ultra flexible and resistant, stapled outside of the filtering area to avoid any risk of leakage.
- Nose clip is color-coded for visible size recognition.



N1125

Ref:	Med/Lrg
N1125	1006636

H801

FEATURES & BENEFITS

- NIOSH N95 Approved Cup.
- Padded Noseclip.
- Welded Headbands.
- Fabric headbands.



Ref:
BC1005584



Disposable Respirators-EN Approved

SPERIAN ONE FIT™

SPERIAN ONE-FIT™ HEALTHCARE PARTICULATE RESPIRATOR AND SURGICAL MASK

- Lightweight, thin construction, with a soft inner layer designed for comfort.
- Elastic head straps are sonic welded to the inside of the outer layers.
- Latex-free and silicone-free construction.
- Masks are individually bagged to keep from soiling and contamination.
- Tear Away section on the bag for easy opening.



Ref.	Packaging	Size	Description
14110446	HC-NB095	1 Size	N95 Mask, molded cup FDA cleared surgical respirator
14110451	HC-NB295F	1 Size	N95 Mask, flatfold, FDA cleared surgical respirator

5110

MAXIMUM COMFORT AND EFFICIENCY

- Available in two sizes to fit different facial structures.
- Ultra-soft hypoallergenic Willtech™ flange nose seal with absorption properties and a tight sealing film for an exceptional comfort and a perfect fit.
- Large internal volume to easily communicate and breathe.
- Preformed and coloured nosebridge to save time to adjust the mask and to instantly identify its protection level.
- Twin elastic straps, ultra flexible and resistant, stapled outside of the filtering area to avoid any risk of leakage.
- Shelf life: 3 years.
- Latex free headbands make it hypo-allergic.



Ref:	Name	Size	Classification	Exhalation valve	Seal	Fasteners	Packaging	NPF	APF
10 055 80	Honeywell 5110	M/L	FFP1 NR* D**	NO	Nasal	Elastic	20	4	4

5209

THE BEST COMBINATION IN TERMS OF PERFORMANCE FOR STANDARD WORKING CONDITIONS

- **Nose-bridge:** improved individual fit.
- **High performance exhalation valve:** easier breathing during periods of prolonged use.
- **Double stapled elastic strap:** strong in case of repeated removals, without touching the filtering section.
- **Exclusively designed seal adapted to the nose:** good fit and comfort throughout the day.
- **Hypoallergenic:** minimal risk of irritation.



Ref:	Name	Size	Classification	Exhalation valve	Seal	Fasteners	Packaging	NPF	APF
10 072 24	Honeywell 5209	M/L	FFP2 NR D	YES	Nasal	Elastic	20	4	4
10 156 35	Honeywell 5311	M/L	FFP3 NR D	YES	Nasal	Elastic	10	50	20



SUPERONE 3205

ECONOMIC, SIMPLE AND EFFECTIVE

- **Unique design and shape:** limited number of references.
- **Pre-formed shell & rigid half-mask:** the mask shape is maintained throughout use, for increased comfort.
- **Internal volume:** facilitated communication, no pressure on the face for increased comfort.
- **Inner layer, ultra-light and ultra-soft:** soft and pleasant touch to the skin to avoid irritation and increase comfort, easy breathing for greater acceptance over time.
- **Upper preformed section near the nasal outline:** quick and easy adjustment, highly effective
- **Moving nasal element:** compatible with goggles, excellent field of vision.
- **High-performance exhalation valve:** low exhalation resistance, mask inside cooler for enhanced comfort and acceptance over time.
- **Protected valve membrane on the front:** minimal risk of damage and leakage for increased safety.



Ref:	Name	Classification	Exhalation valve	Fasteners	Packaging	NPF	APF
10 132 05	Honeywell SuperOne 3205	FFP2 NR D	NO	Elastic	30	10	10

*NR = Non reusable -**D = tested using Dolomite

SPECIALTY SERIES 5000

ENHANCED COMFORT AGAINST SPECIFIC ODOURS

- **Preformed nose-bridge:** increased safety, quickly adjustable.
- **Willtech™ seal with absorbent properties:** exceptional comfort preventing the risk of irritation and increasing user acceptance.
- **Large internal volume:** ease of movement for communication.
- **Moulded shells:** retains form even when wet due to the user and in case of a heavy load.
- **Light masks (10 to 28g):** user fatigue minimized.
- **Double stapled flexible elastic strap, very strong:** better comfort.
- **High performance exhalation valve:** efficient removal of exhaled air and heat, easier breathing during periods of prolonged use.
- **Valve membrane protected against impacts:** increased safety.



Ref:	Name	Size	Classification	Exhalation valve	Seal	Fasteners	Packaging	NPF	APF
10 055 91	Honeywell 5140	M/L	FFP1 NR* D** OV***	NO	Nasal	Elastic	20	4	4
10 055 98	Honeywell 5161	M/L	FFP1 NR D AV****	YES	Nasal	Elastic	20	4	4
10 055 93	Honeywell 5141	M/L	FFP1 NR D OV	YES	Nasal	Elastic	20	4	4

*NR = Non reusable -**D = tested using Dolomite



Reusable Respirators

REUSABLE AIR PURIFYING RESPIRATORS

NORTH PREMIUM HALF MASKS 5500 AND 7700 SERIES

- Can be adapted to PAPR or Supplied Air for added flexibility in the workplace.
- Only 9 replacement parts, for quick and easy strip down and clean.
- Both masks are latex free, no need to be concerned about latex allergens.
- Strategically engineered exhalation valve placement allows more breath to be exhaled faster, making the mask more comfortable and cooler to wear.

5500 Elastomeric Half Mask

Ref.	Packaging	Description
550030M	Sm/Med/Lrg	Thermoplastic elastomer half mask

7700 100% Silicone Half Mask

770030M	Sm/Med/Lrg	Soft, comfortable and durable silicone half mask
---------	------------	--



5500



7700

NORTH 5400 SERIES FULL FACEPIECE

NORTH 5400 SERIES FULL FACEPIECE

- Wide sealing area fits more facial types.
- Nose cup provides less dead air space and channels exhaled breath out.
- Latex free, with no natural rubber proteins which may cause an allergic reaction.
- Wide panoramic lens provides optimal field of vision in all directions.
- Polycarbonate lens meets ANSI requirements for high impact.
- Can be adapted to PAPR or Supplied Air for greater flexibility in the workplace.

Ref:	Size	Description
54001M	Small	Thermoplastic elastomer full facepiece w/4-point headstrap



54001

NORTH 7600 SERIES FULL FACEPIECE

NORTH 7600 SERIES FULL FACEPIECE

- 100% Silicone facepiece is soft and flexible to provide workers with a comfortable and secure fit.
- Wide sealing area fits more facial types.
- Nose cup provides less dead air space and channels exhaled breath out.
- Speech diaphragm is standard to amplify workers' conversations.
- Wide panoramic lens provides optimal field of vision in all directions.
- Polycarbonate lens meets ANSI requirements for high impact.

Ref:	Size	Description
760008A	Med/Lrg	Premium elastomeric full facepiece w/5-point headstrap



760008A

OPTIFIT TWIN

OPTIMAL BREATHING COMFORT FOR LONG-TERM WORK USING A FULL-FACE MASK

- **Silicone body** and ergonomic design for optimum fit.
- **Wide field of vision** through the panoramic screen.
- **Click-fit** cartridge fastening system.

Ref:	Name	Size	Weight	Width x Height
17 152 41	Optifit Twin	M	113g	152.6 x 190.7mm





N-SERIES CARTRIDGES AND FILTERS

NORTH GAS AND VAPOR CARTRIDGES

Ref.	Packaging	Description
75SCL	Pair	Defender™ Multi-Purpose: Approved for use against Organic Vapors, Ammonia, Methylamin, Formaldehyde and Acid Gases (Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Sulfide, Chlorine Dioxide, Hydrogen Fluoride)
N75001L	Pair	Organic Vapor: Approved for use against Organic Vapors
N75002L	Pair	Acid Gas Cartridge: Approved for use against Acid Gases (Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Fluoride and Chlorine Dioxide) and Formaldehyde
N75003L	Pair	Organic Vapor & Acid Gases: Approved for use against Organic Vapors and Acid Gases (Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Fluoride and Chloride Dioxide)
N75004L	Pair	Ammonia & Methylamine: Approved for use against Ammonia and Methylamine
N750052L	Pair	Mercury Vapor Cartridge with ESLI: Mercury Vapor and Chlorine with End - of - Service Life Indicator (ESLI) for Mercury Vapor
75SCP100L	Pair	Defender™ Multi-Purpose with P100: Approved for use against Organic Vapors, Ammonia, Methylamine, Formaldehyde and Acid Gases (Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Sulfide, Chloride Dioxide, Hydrogen Fluoride); and 99.97% filter efficiency for all particulates.
7581P100L	Pair	Vapor with P100: Approved for use against Organic Vapors and 99.97% filter efficiency for all particulates.
7582P100L	Pair	Acid Gas with P100: Approved for use against Acid Gases Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Sulfide (escape), Chloride Dioxide, Hydrogen Fluoride); and 99.97% filter efficiency for all particulates.
7583P100L	Pair	Organic Vapor and Acid Gas with P100: Approved for use against Organic Vapors and Acid Gases (Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Sulfide, Chloride Dioxide, Hydrogen Fluoride); and 99.97% filter efficiency for all particulates.
7584P100L	Pair	Ammonia and Methylamine with P100: Approved for use against Ammonia and Methylamine; and 99.97% filter efficiency for all particulates.
75852P100L	Pair	Mercury vapor cartridge with ESLI, with P100: Mercury Vapor and Chlorine with End-of-Service Life Indicator (ESLI) for Mercury Vapor; and 99.97% filter efficiency for all particulates.
7580P100	Pair	P100 filter : 99.97% efficiency for all particulates.
75FFP100	Pair	Low Profile P100 Filter: For use under welding helmets; 99.97% efficiency for all particulates
75FFP100NL	Pair	Low profile filter with Odor Relief P100 Filter: For use under welding helmets; 99.97% efficiency for all particulates, plus relief from odors caused by nuisance levels of organic vapors, acid gases and ozone
7506N95	10/pack	N95 Prefilter: 95% filter efficiency for non-oil based aerosol particulates
7506R95	10/pack	R95 Prefilter: 95% filter efficiency for all particulates. Restricted to 8 hours service life if used in atmospheres containing oil-based aerosols
7506N99	10/pack	N99 Prefilter: 99% filter efficiency for non-oil based aerosol particulates
N750036A		Adapter (CAP+SPIDER)
N06575006		Prefilter



N750052L



75SCP100L



7581P100L



7582P100L



7583P100L



7584P100L



7580P100



75FFP100



7506N95



75FFP100NL



Reusable Respirators

N5400 – CLASS 2



SIMPLE, RELIABLE AND LONG-LASTING

- **Light elastomer or silicone mask**, soft and flexible with head harness consisting of four or five straps.
- **Easy to use** and a perfect fit.
- **High resistance to chemicals.**
- **Reinforced polycarbonate screen** resistant to impacts and scratches providing a wide 200° field of view.

Technical Description

Body	Silicone or elastomer
Eyepiece	Polycarbonate
Harness	Adjustable four-point (version elastomer) or five-point (silicone version) harness, Adjustable five-point (17 150 11)
Speech diaphragm	Integrated (plastic)
Single filter system	"RD40" connection
Wearing corrective lenses	Possible
Standard	EN136

Ref:	Description	Material
N65754201	N5400	Elastomer
N65754301	N5400	Silicone



N65754201

For gases and vapours: NPF 2,000 - APF 20*
 For particulates with P3: NPF 2,000 - APF 40
 For gases with P3: NPF 2,000 - APF 20*
 For Class 1 gas filters : 10 or up to 1,000 ppm (whichever is the lower)
 For Class 2 gas filters: 10 up to 5,000 ppm (whichever is the lower)

OPTIFIT SINGLE

COMFORT AND WIDE RANGE OF VISION FOR LONG-TERM WORK

- **Ergonomic body**: made from silicone for an optimal fit.
- **Wide field of vision**: through the panoramic screen.
- **Easy to assemble and disassemble**: for easy cleaning and maintenance.

Technical description

Body	Silicone
Eyepiece	Polycarbonate
Harness	Adjustable five-point
Speech diaphragm	Integrated (plastic)
Single filter system	RD 40 Connection
Neck strap	Flame retardant cotton
Wearing corrective lenses	Possible
Standard	EN 136

Ref:	Weight	Name	Colour	Size
17 150 11	580g	Optifit	■	M



For gases and vapours: NPF 2,000 - APF 20*
 For particulates with P3: NPF 2,000 - APF 40
 For gases with P3: NPF 2,000 - APF 20*
 For Class 1 gas filters : 10 or up to 1,000 ppm (whichever is the lower)
 For Class 2 gas filters: 10 up to 5,000 ppm (whichever is the lower)



PLASTIC FILTERS

DESCRIPTION

Ref:	Code	Description	Ref:	Code	Description
17 880 00	■	A2	17 881 50	■ ■ ■ ■ ■	A2B2E2K2
17 880 05	■ □	A2P3	17 881 45	■ ■ ■ ■ ■ □	A2B2E2K1P3
17 880 75	■ ■	A2B2	17 881 55	■ ■ ■ ■ ■ □	A2B2E2K2P3
17 880 70	■ ■ □	A2B2P3	17 881 61	■	AX
17 880 10	■	B2	17 881 66	■ □	AXP3
17 880 15	■ □	B2P3	17 860 00	□	P3 - TM3/TM2P/TH2
17 880 20	■	K2			
17 880 25	■ □	K2P3			



N75002L

Technical Description

Housing	Plastic
Connection system	RD40
Protection	Particles and/or gas/vapour
Standards	EN 14387, EN143

ALUMINUM FILTERS

DESCRIPTION

Ref:	Code	Description	Ref:	Code	Description
17 850 10	■	A2	17 840 00	■ ■ ■ ■ ■ □	A2B2E2K2 P3
17 830 10	■ □	A2 P3	17 867 30	■ ■ ■ ■ ■ □	A2B2E2K1 NO P3
17 850 40	■ ■	A2B2	17 810 00	■ ■ ■ ■ ■	A2B2E2K2
17 830 40	■ ■ □	A2B2 P3	17 850 25	■	AX (450)
17 850 30	■	B2	17 850 18	■ □	AX P3
17 830 30	■ □	B2 P3	17 841 40	■ □	Hg (Mercure) P3
17 850 60	■	E2	17 850 19	■ ■ ■ ■ ■ □	A2B2E2K2Hg P3
17 830 60	■ □	E2 P3			
17 850 80	■	K2 (250)			
17 810 80	■	K2 (450)			
17 830 80	■ □	K2 P3			



Technical Description

Housing	Aluminum
Connection system	RD40
Protection	Particles and/or gas/vapour
Standards	EN 14387, EN 143



Powered & Supplied Airline Respirators

NORTH CF2000 SERIES

CONVERT YOUR NORTH HALF MASK OR FULL FACEPIECE TO CONTINUOUS FLOW SUPPLIED AIR RESPIRATOR WITH THE CF2007 "Y" BREATHING TUBE.

- Adapts North half masks and full face pieces into CF-SAR through cartridge connectors, expanding the use of existing respirators with no additional fit testing required.
- Breathing tubes are located on the worker's back, out of the work zone and not interfering with the task at hand.
- Welding adapter for the 5400 and 7600 masks is NIOSH approved for use in welding applications adding greater flexibility of use.

Complete Assembly* includes: Belt, muffler, and "Y" breathing tube

Ref.	Packaging	Description
CF2007	Sm/Med/Lrg	Assembly, with "Y" breathing tube and nylon belt

*Facepiece, couplers, and hoses must be ordered separately.
(Hoses and couplers continued on next page)



CF2007
Breathing tube shown on 7600 face mask, face mask not included

PRIMAIR SERIES

THE SOLUTION FOR THE PHARMACEUTICAL INDUSTRY

- **Wide field of view.**
- **Adjustable headband.**
- **Replaceable upper elements.**
- **Reusable headband and tubes.**
- **Air delivery hose to the visor:** no fog, no cold air directed towards the user.
- **Universal size:** covering the head and shoulders.
- **Coated version:** for painting environments.
- **Flexible semi-disposable hood:** with adjustable bib, extremely lightweight, designed for a wide range of applications.

Ref:	Description	Standard	Class	NPF	APF
PA111EU	Primair Plus hood with bib and harness	EN 12 941	TH 3 (Compact Air 200)	500	40
			TH1 (Compact Air)	10	10
			TH2		
A114110	Primair -VL	EN12941	TH2 (Compact Air 200)	50	20
			TH1 (Compact Air)	10	10



JUNIOR A

THE REFERENCE FOR OPTIMAL PROTECTION AND A WIDE FIELD OF VIEW

- **Wide transparent visor:** which lets in light and provides a large field of view without any distortion.
- **Full-face protection:** including front deflector and chin cup.
- **Washable face seal:** flexible and resilient, ensuring a comfortable protective pressure around the face.
- **One clip system:** with spring for disposable visors. **Ensure easy installation of disposable visors** that protect the main visor against permanent damage.
- **Acetate components:** fully transparent and providing perfect view.
- Ensuring a comfortable protective pressure around the face.
- **Optional cape:** to protect the top of the head and neck from dust or liquid particles.

Ref:	Description	Standard	Class	NPF	APF
A114106	Junior A-VL	EN 12 941	TH1, Compact Air, Compact Air 200	10	10



Powered & Supplied Airline Respirators



JUNIOR B

THE SOLUTION FOR APPLICATIONS IN THE CHEMICAL INDUSTRY

- **Flexible and light hood:** with polyurethane cape covering the head, neck and shoulders.
- **Disposable visor:** which fits over the hood's main visor and protects against damage.
- **Washable and replaceable neckband:** which guarantees a high level of protection.
- **Combined version:** consisting of a full safety helmet.

Ref:	Description	Standard	Class	NPF	APF
A114400	Junior B VL PU	EN12941	TH1 Compact Air TH2 Compact Air 200	10 50	10 20



TIGERHOOD

HIGH PERFORMANCE SOLUTION FOR DEMANDING ENVIRONMENTS

- **Lightweight welding mask:** with classic 3C floating headband, balanced and stable.
- **Robust and durable:** for greater durability.
- **High performance material:** for increased impact resistance.
- **Better chemical:** resistance.
- **Superior resistance:** to scratches and cracks.
- **Excellent heat resistance.**

Ref:	Description	Visor	Standard	Class	NPF	APF
A114725	Tigerhood VL	90x110	EN12941	TH1 Compact Air	10	10



AIRVISOR 2

SUPPLIED AIR RESPIRATOR WITH LOOSE-FITTING VISOR

- **Compact visor.**
- **Ultra light:** and easy to use.
- **Optimum field of view:** with a large visor.
- **Total Inward Leakage less than 0.05%:** for improved user safety.
- **Optimal flow regulation** to the visor.
- **Low flow alarm.**
- **Active carbon filter:** to retain odours.

Ref:	Description	NPF	APF
10 139 34	Standard Airvisor 2 Chemical kit complete with: acetate chemical resistant visor (EN166-2F), two disposable visor covers and neck cover, waistbelt complete (DAVV-1003), carrying bag.	2000	40
10 139 39	Airvisor 2 MV Chemical kit complete with: acetate chemical resistant visor (EN166-2F) one fabric face seal cassette, two disposable visor covers, waistbelt complete (DAVV-1003), carrying bag.	2000	40

Technical Description

Headgear	Wide range of specific visors
Screen	Available in polycarbonate or acetate
Output	Minimum flow 260 l/mn
Standards	EN14594 Class 4A (except welding version 3A)
Connections	CEJN or DAC



10 139 34



10 139 39



Powered & Supplied Airline Respirators

CLEARFLOW 3

FILTRATION UNITS FOR AIR SUPPLY: LIGHT AND EASY TO USE

- **Very strong structure:** for an increased product lifetime.
- **High filtration capacity:** for optimal protection.
- **Can be used by up to four people or two people when using sprayguns.**
- **New single unit design.**

Technical Description

Materials	Body in aluminum, plastic and brass regulators
Air flow	Up to 1,600 l/min (depending on the capacity of the factory airline system)
Protection against particles	High efficiency coalescing filter - filtration to 0.01 micron
Odour absorption	Large capacity activated carbon filter
Securing	Portable or wall-mounted version available

Complete ready to use filtration systems with a total flow of up to 1600 l/min

Ref:	Description	NPF	APF
17 639 03	Clearflow 3, filtration unit, three elements, wall-mounted, two CEJN connectors	2000	40



Wall mounted combination system

BLUELINE HOSE

STANDARD AIR INTAKE HOSE

- Food grade PVC Hose for maximum protection.
- CEJN connections.

Ref:	Description
10 017 26	Blueline hose, length 3.5m or 11.5 feet with CEJN quick release connections
10 017 27	Blueline hose, length 7.5m or 24.6 feet with CEJN quick release connections
10 047 16	Blueline hose, length 10m or 32.8 feet with CEJN quick release connections



Technical description

Materials	PVC
Lengths	3.5m/11.5 feet - 7.5m/24.6 feet - 10m/32.8 feet
Connection	CEJN

COMMANDER

THE SAFETY AND COMFORT SOLUTION FOR BLASTING

- **Rubber coating:** to reduce noise and wear.
- **Offers the user high-level protection:** with its comfortable pressure.
- **Flowmeter:** with indicator for increased safety.
- **Shoulder, back and chest protection:** with its cape.
- **Disposable visor:** protecting the main visor.
- **Mesh screen.**
- **Adjustable headband:** for added comfort.
- **All parts easily replaceable:** for example the rubber gaskets at the visor.
- **Cape available in two versions:** leather or waterproof bisonyl for chemical hazards.

Complete ready to use filtration systems with a total flow of up to 1600 l/min

Ref:	Description	Visor	NPF	APF
A133230-00	Commander shotblasting helmet with bisonyl cape	145mm or 5.7" x 90mm or 3.54"	2000	40

Technical Description

The Commander helmet	Focused field of view (145mm x 90mm or 5.7 x 3.54"). No distraction in the visual field. Polyester reinforced with fiberglass, rubber coating
Weight of the Commander	2000g (including hose and regulator)
Cape	Cotton, leather or bisonyl coating
Standard	EN 14594 Class 4B
Alarm trigger	At a rate lower or equal to 140l or 37 US gal/min



Commander

Powered & Supplied Airline Respirators



MURUROA V4F1

• **Composition:** Pink PVC 20/100th flame retardant M1



EN 1073-1



NFP 92507*



EN943-1

FEATURES & BENEFITS

Applications:

Nuclear, chemical and pharmaceutical industries in areas where the air is polluted with solid particles and where protection of the airways is recommended.

*A version in coated fabric, certified under EN943-1, type 1c, is available on request.

Added safety:

- Protection factor **class 5 (> 50,000)**
- **Quick and safe removal** with the removal tag.
- **Visual warning** of reduced airflow an option.
- **Liquid tight double** seal on the back.

Category 3 - Serious or fatal hazards.

Flame retardant materials.

Ergonomics:

- **Simple and convenient air regulation:** air flow adjustable with a valve.
- 360° field of vision.
- Low noise level.
- Built-in ventilation.

Use:

- Single-Use.

Packaging:

- 10 outfits/box.



GRIDEL

• **Composition:** Pink PVC 20/100th flame retardant M1
Crystal PVC 30/100th flame retardant M2



NFP 92507*

FEATURES & BENEFITS

Applications:

Nuclear, chemical and pharmaceutical industries in areas where the air is polluted with solid particles and where protection of the airways is recommended.

Added safety:

- Easy and safe implementation.
- Protection factor **class 5 (> 50,000)**.
- Low pressure warning.
- **Flame-retardant materials.**

* Materials in compliance with the EN ISO 14116:2008 Index 1/0/0 standard. Index 1 materials must not be worn directly on the skin but over an Index 2 or 3 undergarment, in compliance with the EN ISO 14116: 2008 Index 1/0/0 standard. Protection against the propagation of flames.

Category 3 - Serious or fatal hazards.

Ergonomics:

- **Comfortable:** good ventilation and low noise level.
- 360° field of vision.
- Air flow adjustable with a valve.

Use:

- Single-Use.

Packaging:

- 20 hoods/box.





Powered & Supplied Airline Respirators

TURBOVISOR MV

COMPLETE KIT FOR OPTIMAL COMFORT AND PROTECTION AGAINST PARTICLES

- **Lightweight and easy to use.**
- **Optimum field of view:** with a large visor.

Ref: for other countries	Name
10 017 71	Complete kit Turbovisor MV 6 hours consisting of a hood with polycarbonate screen, two visor covers, one cotton neck roll, one non-woven face seal, one motor unit, one 6-hour battery attached to head, one battery charger, one main filter TH2 and one prefilter and one flow speed test disk

Technical description

Headgear	Light
Screen	Available in polycarbonate or acetate
Battery life	6-hour version & 8-hour version
Standards	EN 146, EN 166
Protection level	TH2, NPF20



COMPACT AIR®

SIMPLE, ROBUST AND RELIABLE ASSISTED BREATHING APPARATUS

- The Compact Air system has been known for many years as **one of the most reliable and comfortable systems on the market**. The system is provided with bayonet or DIN connection pipes.

Technical Description

Minimum air flow	150 ltr (39.63 US gal)/min
Battery	Rechargeable NiMh
Operating time	8-hours*
Charging time	10-hours
Alarm	No
Weight	1350 grams/48 ounces
Filter	Class 2-P3, A2P AB2P, ABEK2P
Standards	EN12941 for respiratory protection apparatuses (hoods) EN12942 for respiratory protection apparatuses (masks)

*Depending on the filter/face piece combination

Ref:	Description
A150103-00	Compact Air® with DIN thread fitting (masks)



COMPACT AIR® 200

SAFETY, COMFORT AND FLEXIBILITY

- Air® 200 is a powered air supply system designed to provide respiratory protection against gases, vapour and particles depending on the type of filter element used.
- The system comprises: a breathing unit and battery, a charger, a breathing tube, a nylon belt, and a flow meter.
- Provided with bayonet **thread connection or DIN**.
- **Three different alarms (audible, visual and vibrating)** notify the user when the lifetime of the battery reaches 10%, an additional alarm sounds when the filters are blocked or obstructed.
- **Lithium-ion battery for longer use.**
- **Choice of 16 facial elements:** to cover a wide range of applications.
- **PVC or nylon belt:** depending on the nature of the application (eg decontamination of equipment).

Technical Description

Air flow	170 l (45 US gal)/min
Battery	Lithium-ion rechargeable
Operating time	8-hours*
Charging time	8-hours
Alarm	Three alarms (audible, visual and vibration)
Weight (without filters)	1005 grams (48 ounces)
Filter	Class 2-P3, A2P, AB2P, ABEK2P, ABEK2HgP
Standards	EN12941 covering respiratory protection apparatus (hoods/welding helmets)EN12942 for respiratory protection apparatuses (masks)

*Depending on the filter/face piece combination

Ref:	Description
A150401	Compact Air 200® – with bayonet for hood



SCBA and Emergency Escape Devices



T8000

EN STANDARD CERTIFIED, HIGH QUALITY ASSURANCE

- The whole SCBA apparatus only weighs 6.4kgs. (without cylinder)
- Medium pressure hose and high pressure hose are positioned on both sides and tightly against back pack to ensure safe and balanced wearing.
- Broadened straps ensure comfort, equipped with reflective stripes for easy observation in dark environments.
- The built-in high pressure hose is equipped with exposure hole outside to ensure user's safety.
- The chest whistle provides over 90 dB loud alarm to ensure the easy noticing of the user and others.
- Survivair 20/20 mask: High temperature resistant and does not harden or become brittle under low temperature conditions, Special anti-scratch coating lens provides superior scratch resistant capability.
- Newly-designed Banjo connector provides more flexibility when wearing the demand valve.
- Banjo connector puts the medium-pressure hose closer to the user's chest and avoids the risk of hose becoming hooked.

Ref.	Description
SCBA 846	T8000 with PANO mask and storage box
SCBA 856T	T8000 with quick connector, 20/20 mask and storage box
L65C	Luxfer Carbon Composite 6.8l cylinder (EN & CCOE approved)
CA-0046	EN approved Cylinder Valve



AERIS CONFORT TYPE 2

COMFORTABLE, DURABLE AND EFFICIENT, IT WILL PROTECT YOU REGARDLESS OF THE INDUSTRY AND TYPES OF APPLICATIONS.

- Non-metallic back plate, ergonomic, flexible.
- Cushions on the straps and belts, straps and harness made of self-extinguishing aramid material.
- Perfect weight distribution of the apparatus on the hips.
- Panoramasque full-face mask.
- Compatible with both quick click positive pressure demand valve:
 - Sx-Pro activation by first breath.
 - Zenith automatic activation.

Technical Description

Total weight of the complete apparatus without air cylinder	4.10kg or 9lbs
Temperature approval	-30°C/+60°C or -86°F/140°F
Apparatus approvals	EN 137: 2006 Type 2, SOLAS , MED, IMO, MSC
Full-face mask approval	EN 136 Class III

Ref.	Description
18 232 31	Aeris Confort Type 2 with Zenith demand valve and Panoramasque full-face mask with five-point straps. Without air cylinder
18 232 22	Aeris Confort Type 2 with SX-Pro demand valve and Panoramasque full-face mask with five-point straps, without air cylinder

*Can be filled upon request - Other configurations available upon request





SCBA and Emergency Escape Devices

X-PRO

The materials of the X-Pro combine comfort and high performance. Resistant to harsh carriage return environments such as extreme temperatures or chemical splashes, unsurpassed endurance and long life is guaranteed.

- Ultralight back plate, made from anti-static polymer resin.
- Adjustment system:
 - A single operation for two positions of height adjustment.
 - Pivot built in to adapt apparatus to all user movements.
- Movable and foldable foot protecting the cylinder and the high pressure system from impacts.
- HP and MP hoses integrated into the back plate for maximum safety.
- Thermo-compressed cushions on the straps, waist and upper back.
- Curved straps, specially designed for optimum support of the apparatus on the shoulders, regardless of the position or movements of the user.
- Multiple anchor points for accessories and quick release buckles.
- Opti-Pro full-face mask.
- SX-Pro positive pressure demand valve with quick release and activation by the first breath.



Technical Description

Total weight of the complete apparatus without air cylinder	3.90kg or 8.6 lbs
Temperature approval	-30°C/+60°C or -86°F/140°F
Apparatus approvals	EN 137: 2006 type 2, SOLAS ☉, MED, IMO, MSC, AS/NZS 1716:2012
Full-face mask approval	EN 136 Class III



Ref:	Name
18 242 19	X-PRO with SX-PRO demand valve and Opti-PRO full face mask with five-points straps. Without air cylinder.

BIO-S-CAPE

THE BIO-S-CAPE IS AN EMERGENCY ESCAPE BREATHING DEVICE (EEBD), WITH 15 MINUTES DURATION. AS IT IS EASY TO PUT ON IT CAN PROVIDE IMMEDIATE RELIEF IN EVACUATION SCENARIOS, SUCH AS TOXIC OR LOW OXYGEN LEVEL ENVIRONMENTS.

- Regulator triggered automatically upon opening of the bag.
- Automatic positioning of the hood thanks to the inflatable air cushion behind the user's neck.»
- Non-metallic end of duration alarm whistle.
- High visibility hood, large, adaptable to all face shapes and all types of facial hair, resistant to moisture, chemical environments and extreme temperatures.
- Fully airtight, comfortable and tear-resistant neck seal due to a double anti-tear layer.
- Overpressure maintained inside the hood eliminates any risk of the ingress of toxic gases.
- Permanent visibility of the gauge: easy pressure control during storage and during evacuation.
- Salt accumulation reduction system
- Label positioned along the axis of the bag for a better visibility and to avoid accidental removal.
- Dark inner surface to the hood, ideal in sunny or maritime environments with lots of brightness and the Sun's glare.



Technical Description

Dimensions with 3L 200 bar/0.7 US gal 2,900 PSI air cylinder (L x W x D)	500 x 160 x 180mm/19.7 x 6.3 x 7.1"
Total weight of the apparatus with 3L 200 bar/0.7 US gal 2,900 PSI steel air cylinder	5.36kg or 11.8lbs
Total weight of the apparatus with 3L 200 bar/0.7 US gal 2,900 PSI composite air cylinder	3.58kg or 7.9lbs
Duration	15 minutes
Temperature approval	-15°C/+60°C or 5°F/140°F
Apparatus approvals	EN1146:2005, ISO 23269-1:2008, SOLAS, MSC, MED, IMO.

Ref:	Description
18 157 32	Bio-S-Cape with 3L 200 bar /0.7 US gal 2,900 PSI steel air cylinder (empty*)-15 minutes

*Can be filled upon request - Other configurations available upon request (10 minutes version available).

SCBA and Emergency Escape Devices



EVAMASQUE DIN

FILTERING HALF-MASK FOR 15 MINUTES OF EVACUATION FROM CHEMICAL ENVIRONMENTS

- **Convenient and simple:** safe to use.
- **Compact and lightweight:** for easy wearing on a belt.
- **Visual comfort.**
- **Storage up to 12 years:** (4 years without service or two filter changes during the maximum storage period).

Technical Description

Material	Molded half mask in black EPDM, elastomer harness, silicone and neoprene valves
Protection	ABEK
Packaging	Individual packing - protective case
Standards	DIN 58647-7



Ref:	Description
17 285 70	EVAMASQUE full-face mask with filter

OPENGO

COMPACT AND EASY TO USE ESCAPE HOOD FOR USE IN HIGH-RISK CHEMICAL ENVIRONMENTS

- **Lightweight bag:** for maximum comfort for long-term work.
- Packaging inside aluminum bag for safer storage.
- **Large visor and high visibility hood:** for a safe evacuation.

Technical Description

Colour	High visibility hood with two reflective stripes
Harness	Two large elastic bands
Neck seal	Molded elastomer
Eyepiece	Large panoramic screen
Protection	Versions ABEK, ABEK1 P3 and IPR available
Packaging	Compact and flat pouch with inner aluminum bag
Standards	EN 140, EN 14387



Ref:	Name	Packaging
17 288 06	Opengo with ABEK1 P3 filter	Delivered in a carrying bag

MOBILE AIRLINE TROLLEY UNIT

This mobile trolley allows users a supply of breathable compressed air, regardless of the type of work in confined spaces or during long-term maintenance. It adapts to the various respiratory needs of the user depending on the amount of effort being exerted.

- Two reels of 25 meters/82 feet allowing two users to work separately. It can also be connected to obtain a 50 meter/164 feet hose for the air supply of a Single-user.
- The reel hoses are shielded to prevent crushing, bending or abrasion of the hose and to resist chemicals such as hydrocarbons.
- The cylinders can be replaced during use thereby increasing the duration of use.
- The safety system prevents air transfer between the cylinders.
- Adapts to different air cylinder volumes.
- Storage case built into the trolley.

Technical description

Dimensions (W x H x D)	510 x 1170 x 780mm/20.08 x 46.06 x 30.07"
Maximum weight when empty	50kg or 110.2 lbs

Ref:	Name
18 240 67	Trolley 2-cylinder version with CEJN connector, 2 users, 2 x 25 m/82 feet hoses with reel, with storage case, without air cylinder
18 240 92	Trolley 4-cylinder version with CEJN connector, 2 users, 2 x 25m/82 feet hoses with reel, with storage case, without air cylinder



*Can be filled upon request
Other configurations available upon request

Protective Gloves





STANDARDS & LEGISLATION

The new EU directives concerning personal protective equipment aims to harmonise member state legislation and to establish new conditions with which products and their users must comply. European standards define the technical characteristics required to meet these new requirements.

Directive 89/656/EEC decrees the requirements which employers must implement for the supply and use of PPE destined for their employees.

Directive 89/686/EEC decrees the essential requirements to be able to sell protective gloves on the European market.

EC CATEGORIES: DIRECTIVE 89/686

Categories	Risk levels	Technical dossier	Notes for usage	Auto-certification	EC exam type	Production verification due	Labelling
I	Minor	X	X	X			CE
II	Intermediate	X	X		X		CE
III	Irreversible	X	X		X	X	CE*0062

All **Honeywell** products comply with standard EN 420. This standard prescribes general criteria concerning comfort (size and dexterity), labelling and innocuousness (chrome content and pH levels).

*Certification body number



Standards & Risks

EUROPEAN PICTOGRAMS- MAIN STANDARDS

The gloves are approved for a specific use and meet the following standards:

EN 388	GLOVES		LEVELS OF PERFORMANCE				
	EN 388 Mechanical risks		1	2	3	4	5
C	Resistance to abrasion	in number of cycles	≥ 100"	≥ 500"	≥ 2000"	≥ 8000"	-
B	Cut resistance (slicing)	index	> 1.2	> 2.5	> 5.0	> 10.0	> 20.0
C	Tear resistance	in newtons	≥ 10"	≥ 25"	≥ 50"	≥ 75"	-
X	Perforation resistance	in newtons	≥ 20"	≥ 60"	≥ 100"	≥ 150"	-
X	Not tested						

0: result obtained inferior to that of the minimum required for level 1

EN 388	EN 388 Risks of impact cut	
	Impact cut test by metallic blade weighing 1050g dropped from a height of 150mm.	

EN 511	EN 511 Protection against the cold		1	2	3	4	5
A	Resistance to convective cold	thermal insulation in m ² , °C/W	≥ 0.10	≥ 0.15	≥ 0.22	≥ 0.30	-
B	Resistance to (cold) contact	thermal resistance in m ² , °C/W	≥ 0.025	≥ 0.050	≥ 0.100	≥ 0.150	-
C	Permeability to water - Level 1 Impermeable to a minimum of 30mm						
X	Not tested for this danger						

EN 407	EN 407 Heat and/or fire		1	2	3	4	5
A	Behaviour and/or fire	duration of flame persistence	≤ 20"	≤ 10"	≤ 3"	≤ 2"	-
B	Resistance to heat contact	> 15 seconds at	100 °C	250 °C	350 °C	500 °C	-
C	Resistance to convective heat	heat transmission	≥ 4"	≥ 7"	≥ 10"	≥ 18"	-
D	Resistance to radiant heat	heat transmission	≥ 5"	≥ 30"	≥ 90"	≤ 150"	-
E	Resistance to small splashes of liquid metal	numbers of drops necessary to obtain an increase in temperature of 40°C	≥ 5	≥ 15	≥ 25	≥ 35	-
F	Resistance to large splashes of molten metal	weight of iron (grams) required to cause a superficial burn	≥ 30	≥ 60	≥ 120	≥ 200	-
X	Not tested for this danger						

EN 374-2	EN 374 Chemical risk	
	Three distinct pictograms indicate two levels of requirements.	

Standard EN 374-2 characterises impermeable properties without involving resistance. This includes gloves in all risk categories.

EN 374-2	EN 374-2	
	The current standard specifies a method for testing the protective gloves' resistance to penetration of chemical products and/or micro-organisms.	

Standard EN 374-3 requires impermeable properties in accordance with EN 374-2 and resistance performance at level 2 at a minimum concerning permeation for at least three products on the list of twelve defined in standard EN 374-1.

EN 374-3	EN 374-3 Lists of products tested	LETTER	PRODUCT CHEMICAL	NUMBER CASE	CLASS
		A	Methanol	67-56-1	Primary alcohol
		B	Acetone	67-64-1	Cetone
		C	Acetonitrile	75-05-8	Nitrile
		D	Dichloromethane	75-09-2	Chlorinated hydrocarbon
		E	Carbon disulphide	75-15-0	Sulphur-containing organic compounds
		F	Toluene	108-88-3	Aromatic hydrocarbon
		G	Diethylamine	109-89-7	Amine
		H	Tetrahydrofuran	109-99-9	Heterocyclic ether
		I	Ethyl acetate	141-78-6	Ester
		J	N-heptane	142-85-5	Saturated hydrocarbon
		K	40% Sodium hydroxide	1310-73-2	Inorganic base
		L	Sulphuric acid 96%	7664-93-9	Inorganic mineral acid

Permeation times

Performance level	0	1	2	3	4	5	6
Minutes	<10	≥10	≥30	≥60	≥120	≥240	≥480

EN 1082	EN 1082 Protection against cuts and knife nicks	
	Gloves and forearm protection against cuts and knife nicks.	
	They are tested at a power of 2.45 joules (falling weight of 1000g at a height of 250mm).	

EN 13998	EN 13998 Protection against cuts and knife nicks	
	ChainexOne are tested at a power of 2.45 joules. Level 1: Falling weight of 1000g dropped from a height of 250mm.	

EN 13998	EN 13998 Protection against cuts and knife nicks	
	ChainexTwo, ChainexLite and Lamex are tested at a power of 4.90 joules (level 2) (Falling weight of 1kg at a height of 0.50m). Level 2: falling weight of 1000g at a height of 500mm	



General Handling

Our protective gloves for general handling are manufactured from diverse materials (nylon, leather, cotton) and with different coatings (nitrile, PU, Latex). These combinations allow for maximum protection against mechanical risks (abrasion, tears, punctures) in various environments (oily, greasy, dry, damp)



RECOMMENDATIONS

- Fine handling in a dry, lightly greasy or dirty environment.

APPLICATIONS

- Assembly and electrical components (semi-conductors, microprocessors).
- Mounting and assembly of mechanical items in the automotive industry and in subcontracting.
- Packaging, presentation, separation of small items.

ADVANTAGES

- Excellent dexterity.
- Certified "silicone free" to allow for use in a paintwork environment.

Perfect Poly® Grey

Ref. 24 002 50



Perfect Poly® Black

Ref. 24 002 51



PU 1st Grey

Ref. 21 002 50



PU 1st Black

Ref. 21 322 51



PU 1st White

Ref. 21 322 55



Light Task

Ref. NF15B



CE EN 420

EN 388



Ref.	Name	Characteristics	Sizes	Standards
24 002 50	Perfect Poly® Grey	Knitted extremely lightweight grey polyamide, grey polyurethane coating	6 to 11	4121
24 002 51	Perfect Poly® Black	Knitted extremely lightweight black polyamide, grey polyurethane coating	6 to 11	4121
21 002 50	PU 1 st Grey	Knitted lightweight grey polyamide, grey polyurethane coating	6 to 11	4131
21 322 51	PU 1 st Black	Knitted lightweight black polyamide, black polyurethane coating	6 to 12	4131
21 322 55	PU 1 st White	Knitted lightweight white polyamide, white polyurethane coating	6 to 11	4131
NF15B	Light Task	Knitted dipped, Black, length: 25cm	7 to 11	4121



POLYTRIL™

RECOMMENDATIONS

- Fine handling in a dry, greasy, damp and dirty environment.

APPLICATIONS

- Mechanical assembly and subcontracting (automotive industry).
- Construction and public works.

ADVANTAGES

- The gloves combine mechanical resistance and dexterity.
- Excellent impermeable properties to oils.

Polytril™

Ref. 22 322 30



Polytril™ Black

Ref. 22 322 31



Polytril™ Mix

Ref. 22 322 33



Polytril™ Air

Ref. 22 322 70



CE EN 420



Ref.	Name	Characteristics	Sizes	Standards
22 322 30	Polytril™	Knitted lightweight white polyamide, waterproof grey nitrile coating	7 to 10	4121
22 322 31	Polytril™ Black	Knitted lightweight black polyamide, waterproof black nitrile coating	6 to 11	4121
22 322 33	Polytril™ Mix	Knitted medium weight polyamide/black cotton, rough black nitrile coating	6 to 11	4232
22 322 70	Polytril™ Air	Knitted lightweight black polyamide, black nitrile foam coating	7 to 11	4121



POLYTRIL™

RECOMMENDATIONS

- Fine handling in a dry, greasy, damp and dirty environment.

APPLICATIONS

- Mechanical assembly and subcontracting (automotive industry).
- Construction and public works.

ADVANTAGES

- The gloves combine mechanical resistance and dexterity.
- Excellent impermeable properties to oils.

Polytril™ Air 3/4

Ref. 22 322 72



Polytril™ Air Comfort

Ref. 22 322 73



Polytril™ Air Skin

Ref. 22 322 78



Polytril™ Top

Ref. 22 322 36



EN 388



Ref.	Name	Characteristics	Sizes	Standards
22 322 72	Polytril™ Air 3/4	Knitted lightweight black polyamide, black nitrile 3/4 foam coating	7 to 10	4121
22 322 73	Polytril™ Air Comfort	Knitted lightweight polyamide/cotton/Lycra®, black nitrile foam coating	6 to 11	4121
22 322 78	Polytril™ Air Skin	Knitted extremely lightweight black polyamide, black nitrile fine foam coating	7 to 10	3131
22 322 36	Polytril™ Top	Knitted lightweight polyamide, waterproof black nitrile coating up until the wrist	6 to 10	4121



OIL GRIP

RECOMMENDATIONS

- Oily and damp environments.

APPLICATIONS

- Mechanical assembly and subcontracting (automotive industry).
- Construction and public works.
- Petrochemistry.

ADVANTAGES

- New liquid repellent technology.
- Excellent grip in an oily environment.

Oil Grip

Ref. NF35



Oil Grip FC

Ref. NF35F



CE EN 420

EN 388



Ref.	Name	Characteristics	Sizes	Standards
NF35	Oil Grip	Knitted green polyamide, micro finish black nitrile coating®	7S to 11XXL	3121
NF35F	Oil Grip FC	Knitted green polyamide, fully coated with double dipped nitrile	7S to 11XXL	4131



DEXGRIP

RECOMMENDATIONS

- Handling of abrasive objects in a damp and non greasy environment.

APPLICATIONS

- Construction works (manipulation of materials, tiles etc.).
- DIY, gardening.
- Agricultural and forestry works.
- Waste collection.
- Handling (barbed wire).
- Glassware, carpentry.
- Steam blasting works (Ref. 447)

ADVANTAGES

- Excellent non-slip qualities.

DexGrip

Ref. 20 941 40



DexGrip Light

Ref. 20 941 50



Grip Latex

Ref. 20 941 45



CE EN 420



Ref.	Name	Characteristics	Sizes	Standards
20 941 40	DexGrip	Knitted medium weight cotton/polyamide, blue crinkled Latex coating.	7 to 11	2142 X2XXXX
20 941 50	DexGrip Light	Knitted lightweight polyamide/blue cotton, thin blue crinkled Latex coating.	7 to 10	2121
20 941 45	Grip Latex	Cut and sewn with interlock cotton, green crinkled Latex coating.	7 to 10	4231



Cut Protection

Protection against the risk of cuts is guaranteed by the use of high performance fibres and materials (Dyneema®, Kevlar®, steel fibres...) which are industry benchmarks. Due to the use of high performance technical materials, such as Dyneema®, Kevlar® and steel fibre we are able to offer a complete range of gloves to protect users against all kinds of cutting risks.



PUNCTURE PROTECTION

RECOMMENDATIONS

- Protective liners for use under other gloves for the handling of objects with high risk of punctures.

APPLICATIONS

- Health (hospital waste, hospital laundry, veterinaries).
- Collection and sorting (household waste, electrics, electronics).
- Waste with risk of infection.
- Law enforcement (police, customs).
- Cleaning activity (planes, trains, stadiums...).
- Maintenance (factories treating nuclear waste, lifts).

ADVANTAGES

- Reusable liner glove (only the protector glove undergoes environmental wear and tear), ergonomic design for better, tactile sensitivity, and more comfort and dexterity.
- Material homogeneity for fail-safe protection.

Picguard™

Ref. 23 972 00



+ product
Washable
Name on the label

CE EN 420



Ref.	Name	Characteristics	Sizes	Standards
23 972 00	Picguard™	Coolmax® polyester liner glove, para-aramid interior protection with polyurethane/ceramic coating, polyester viscose lining	S to XL	4444 ASTM1342 and ASTM 2878



PERFECT CUTTING®

RECOMMENDATIONS

- Handling sharp objects in a dry or lightly greasy environment. Excellent dexterity and good grip.

APPLICATIONS

- Assembly and mounting (automotive sub-contracting).
- Handling of steel rods and sheet metal.
- Treatment of paper and cardboard (using cutters).
- Deburring operations in the plastics industry.

ADVANTAGES

- Resistance to cuts whilst offering exceptional dexterity and grip.
- The fresh touch of Dyneema® provides a feeling of comfort.
- Certified "silicone free" to allow for use in paintwork environment.



Perfect Cutting® Black

Ref. 22 322 42



Perfect Cutting® Grey

Ref. 22 322 45



Perfect Cutting® Grey Plus

Ref. 22 322 46



Perfect Cutting® Black First

Ref. 21 322 42



CE EN 420

EN 388



Ref.	Name	Characteristics	Sizes	Standards
22 322 42	Perfect Cutting® Black	Knitted lightweight Dyneema®/Lycra®/Black heathered polyamide, black polyurethane coating	7 to 10	4342
22 322 45	Perfect Cutting® Grey	Knitted lightweight Dyneema®/Lycra®, grey polyurethane coating	6 to 10	4342
22 322 46	Perfect Cutting® Grey Plus	Knitted lightweight Dyneema®/Lycra®, grey polyurethane coating, wrist 11cm	6 to 10	4342
21 322 42	Perfect Cutting® Black First	Knitted lightweight Dyneema®spun fibres/Lycra®/Black polyamide, black polyurethane coating	7 to 10	4341



Cut Protection 2 / 3 / 4

Para-aramid

RECOMMENDATIONS

- Handling sharp and slippery objects in a dry or lightly greasy/damp environment.

APPLICATIONS

- Recycling, rubbish sorting.
- Handling of sheet and scrap metal, demolition.
- Glass handling.

ADVANTAGES

- Products offering excellent cut resistance.

Aracut Light

Ref. 22 320 87



Aracut

Ref. 20 320 86



Aracut Light Grip

Ref. 22 320 89



JunkYard Dog

Ref. 20 321 01



CE EN 420

EN 388 EN 407



Ref.	Name	Characteristics	Sizes	Standards
22 320 87	Aracut Light	Knitted lightweight Kevlar®	7 to 10	024X
22 320 89	Aracut Light Grip	100% Kevlar® knitted glove, black PVC dots coated on the 2 faces, Ambidextrous	7 to 10	X221
20 320 86	Aracut	Knitted medium weight Kevlar®	6 to 10	134X X1XXXX
20 321 01	JunkYard Dog	Knitted heavy Kevlar®, reinforced split leather on palm and fingers	9 and 10	4443



PERFECT CUTTING®

RECOMMENDATIONS

- Handling of sharp objects in a greasy and oily environment (nitrile version) requiring excellent dexterity and good grip.

APPLICATIONS

- Assembly and mounting (automotive industry).
- Handling of steel rods and sheet metal.

ADVANTAGES

- Resistance to cuts, exceptional dexterity.
- Nitrile coating offers good impermeable properties to oils.
- The fresh touch of Dyneema® provides a feeling of comfort.



Perfect Cutting® Nit

Ref. 22 322 75



Perfect Cutting® Nit 3/4

Ref. 22 322 77



CE EN 420



Ref.	Name	Characteristics	Sizes	Standards
22 322 75	Perfect Cutting® Nit	Knitted lightweight Dyneema®/Lycra®/Black heathered polyamide, black nitrile coating	7 to 11	4343
22 322 77	Perfect Cutting® Nit 3/4	Knitted lightweight Dyneema®/Lycra®/Black heathered polyamide, black nitrile coating	7 to 10	4343



ARACUT®

RECOMMENDATIONS

- Handling of sharp objects in a damp environment (Latex version) and in a greasy environment (nitrile and leather versions).

APPLICATIONS

- Assembly and mounting (automotive industry).
- Handling of steel rods and sheet metal.
- Treatment of paper and cardboard (using cutters).
- Twisting of cables.
- Handling of glass.
- Finishing operations in the plastics industry.
- Handling of delicate objects: household appliances.

ADVANTAGES

- Complete range, products available with different finishes (Latex, leather, nitrile, polyurethane).

Aracut Lat

Ref. 20 941 41



CE EN 420

EN 388



EN 407



Ref.	Name	Characteristics	Sizes	Standards
20 941 41	Aracut Lat	Knitted medium weight Kevlar®, blue crinkled Latex coating.	7 to 10	3444 X2XXXX



PERFECT CUTTING®

RECOMMENDATIONS

- Handling of sharp objects in a dry and greasy environment (nitrile version) requiring excellent dexterity and good grip.

APPLICATIONS

- Assembly and mounting (automotive industry).
- Handling of steel rods and sheet metal.

ADVANTAGES

- Resistance to cuts, exceptional dexterity.
- The fresh touch of Dyneema® provides a feeling of comfort.

Perfect Cutting® Diamond PU

Ref. 23 322 45



CE EN 420

EN 388



Ref.	Name	Characteristics	Sizes	Standards
23 322 45	Perfect Cutting® Diamond PU	Knitted lightweight Dyneema Diamond® / Lycra - Black polyurethane coating / White liner Gauge 13 - Cuff 25 cm	6 to 11	4442
NFG17X	Light task Plus 4	Knitted polyamide/glass fibre, Bi-polymer 3/4 coating	7S to 11XXL	4432



TUFF CUT

RECOMMENDATIONS

- Handling of heavy and very sharp objects with sharp edges.

APPLICATIONS

- Handling of paper, sheet metal, glass plates, plastic items, finishing operations with cutters (Tuff Cut, Tuff Cut Grip).
- Handling of objects in an aqueous environment: slippery objects from the glass industry, waste collection centres, etc. (Tuff Cut Lat).
- Handling of greasy or oily objects: steel rods, sheet metal (Tuff Cut Nit).

ADVANTAGES

- Para-aramid/steel wire offers exceptional resistance to cutting (level 4/5) as well as good abrasion resistance (level 3).
- Increased protection against sharp edges.
- Extended wrist for increased protection of the forearm.

Tuff Cut Lat

Ref. 22 325 32



CE EN 420

EN 388 EN 407 ISO 13997
TDM CUT >22N

Ref.	Name	Characteristics	Sizes	Standards
22 325 32	Tuff Cut Lat	Knitted lightweight para-aramid, polyamide, steel fibre, crinkled Latex coating.	7 to 11	3543 X2XXXX 24 N



PERFECT CUTTING®

RECOMMENDATIONS

- Handling of heavy parts with cut risks in dry or greasy environments. Excellent dexterity and good grip.

APPLICATIONS

- Automotive and Part Manufacturer.
- Building and Construction.
- Glass Industries.
- General Industry

ADVANTAGES

- Resistance to cuts whilst offering exceptional dexterity and grip.
- The fresh touch of Dyneema® provides a feeling of comfort.

Perfect Cutting® Extra Grip

Ref. 22 325 51



Perfect Cutting® Extra Nit

Ref. 22 325 53



Perfect Cutting® Extra PU

Ref. 22 325 54



CE EN 420



Ref.	Name	Characteristics	Sizes	Standards
22 325 51	Perfect Cutting® Extra Grip	Knitted glove in Dyneema®, polyamide, glass and protected steel yarn, PVC dots on 1 side	7 to 10	454X
22 325 53	Perfect Cutting® Extra Nit	Knitted glove in Dyneema®, polyamide, glass and protected steel yarn, grey nitrile coating	7 to 10	4542
22 325 54	Perfect Cutting® Extra PU	Knitted glove in Dyneema®, polyamide, glass and protected steel yarn, grey PU coating	7 to 10	4542



Cut Protection 5

Dyneema® / Composite Fibre

RECOMMENDATIONS

- Handling of very sharp objects with sharp edges require good dexterity and tactility.

APPLICATIONS

- Handling of paper, fine sheet metal, sheets of glass, plastics items, cutting tools and finishing operations with cutters (Dynaflex).
- Handling of damp and slippery objects such as steel rods and sheet metal (Light Task Plus 4).

ADVANTAGES

- Excellent protection against cuts (level 5).
- Excellent dexterity.
- The fresh touch of Dyneema® provides a feeling of comfort.



Oil Grip NFD35X

Ref. NFD35X



CE EN 420

EN 388



Ref.	Name	Characteristics	Sizes	
NFD35X	Oil Grip NFD35X	Knitted Dyneema®/white/green glass fibre, 3/4 nitrile double coating	7S to 11XXL	4543

*30cm version on request



SHARPFLEX

RECOMMENDATIONS

- Handling heavy objects with the risk of cuts.

APPLICATIONS

- Automotive.
- Small and large household appliances.
- Logistics.
- Glass, perfumery.
- Construction (plumbing, carpentry).

ADVANTAGES

- Good value for money, high quality, reliable cut resistance.
- Excellent dexterity.
- Lightweight thermal protection (100°C) thanks to Kevlar®.

Skeleton 5

Ref. 23 325 24



Sharpflex Liner

Ref. 22 325 22



Sharpflex PU

Ref. 22 325 23



Sharpflex Nit

Ref. 22 325 24



Sharpflex Latex

Ref. 22 325 25



Ref.	Name	Characteristics	Sizes	Standards
23 325 24	Skeleton 5	Knitted lightweight para-aramid, polyamide, composite fibre, rubber reinforcement, black nitrile coating	7 to 11	4542
22 325 22	Sharpflex Liner	Knitted lightweight para-aramid, polyamide, composite fibre, reinforcement thumb and index in Kevlar.	7 to 11	254X X1XXXX
22 325 23	Sharpflex PU	Knitted lightweight para-aramid, polyamide, composite fibre, black polyurethane coating	7 to 11	4541
22 325 24	Sharpflex Nit	Knitted lightweight para-aramid, polyamide, composite fibre, black nitrile 3/4 coating	7 to 11	4542 X1XXXX
22 325 25	Sharpflex Latex	Knitted lightweight para-aramid, polyamide, composite fibre, blue crinkled Latex coating.	7 to 10	3542 X2XXXX



Cut Protection 5

Dyneema® / Contact with food

TUFFSHIELD®

RECOMMENDATIONS

- In a food environment.

APPLICATIONS

- Boning and cutting.
- Handling of fruit and vegetables.
- Restoration.
- Collective restoration.
- Preparation of fish into fillets.
- Cleaning slicers.

ADVANTAGES

- Protection level 5 against cuts.
- Certified food contact. Bacteriostatic.
- Ambidextrous.
- The fresh touch of Dyneema® provides a feeling of comfort.
- Composite wires sheathed and completely protected.

Tuffshield® Evolution Light

Ref. 20 129 53



Tuffshield® Evolution Medium

Ref. 20 129 50



Tuffshield® Evolution Heavy

Ref. 20 129 57



CE EN 420

EN 388



Ref.	Name	Characteristics	Sizes	Standards
20 129 53	Tuffshield® Evolution Light	Knitted light weight Dyneema®, glass and steel protected, bacteriostatic yarn, powerCuff knitted wrist™, ambidextrous	6 to 10	254X ✓
20 129 50	Tuffshield® Evolution Medium	Knitted medium weight Dyneema®, glass and steel protected, bacteriostatic yarn, powerCuff knitted wrist™, ambidextrous	6 to 11	254X ✓
20 129 57	Tuffshield® Evolution Heavy	Knitted heavy Dyneema®, glass and steel protected, bacteriostatic yarn, powerCuff knitted wrist™, ambidextrous	6 to 10	354X ✓



SPECIFICS

APPLICATIONS

- Cryogenic: Handling of liquid gas (nitrogen).
- Fireman: fireman gloves.
- Chainstop: protection against risks linked to the handling of chainsaws.
- Velvet Shock: shock protection.
- WaveBreaker: working with vibrating equipment/machines to reduce white finger syndrome. (ship building, aircraft manufacturing)

ADVANTAGES

CRYOGENIC:

- Silicon water-repellent cowhide grain leather gloves guarantees good flexibility at low temperatures. It is water-repellent and offers good mechanical protection.

FIREMAN:

- The cotton Kevlar® coating offers good protection against cuts and thermal hazards.
- The assembly of Kevlar® wires guarantees uniform stitching against heat and wear and tear.

VELVET SHOCK:

- Protection of the reverse and palm of the hand against shocks.

WAVEBREAKER:

- Ref. 633: Module version: separate outer glove for economical exchange

Cryogenic

Ref. 20 586 85



Fireman

Ref. 22 815 61



Velvet Shock

Ref. 20 491 32



Split Rigger Brown

Ref. 20 000 97



CE EN 420

Ref.	Name	Characteristics	Sizes	Standards
20 586 85	Cryogenic	Silicon water-repellent cowhide grain leather, fully lined with aluminized polar fleece, 20cm split leather cuff with Velcro® fastening, 40cm in length	9 to 11	3222 222
22 815 61	Fireman	Water-repellent cowhide grain leather, lined jersey Kevlar/cotton, split leather cuff with Velcro® fastening, kevlar stitching	7 to 11	3222 4132XX
20 491 32	Velvet Shock	Palm water-repellent cowhide grain leather, velvet on reverse, shockproof reinforcement on back and palm, lastex wrist	9 to 11	2121
20 000 97	Split Rigger	Cow split leather, split leather palm, canvas lining, reinforcement band at the back in split leather.	9 to 10	3122



CUFFS

RECOMMENDATIONS

- Handling sharp and/or hot objects.

APPLICATIONS

- Assembly and mounting (automotive industry).
- Handling of steel rods and sheet metal.
- Treatment of paper and cardboard.
- Twisting of cables.
- Finishing operations in the plastics industry.
- Metallurgy and foundries.

ADVANTAGES

- The double thickness improves the cuff's mechanical and thermal performances.

Aracut® range

Ref. 41 500 64



Armcut Black 14

Ref. 41 500 58



Armcut 14 BT

Ref. 41 500 57



CE EN 420

EN 388



EN 407



Ref.	Name	Characteristics	Sizes	Standards
41 500 64	Aracut Sleeve 14	Knitted medium weight Kevlar® sleeve, thumbhole, length: 35cm	One size	132X X1XXXX
41 500 55	Aracut Sleeve II	Knitted medium weight Kevlar® sleeve, thumbhole, split leather reinforcement, length: 36cm	One size	4443 X2XXXX
41 500 58	Armcut Black 14	Knitted medium weight black Kevlar® sleeve, thumbhole, length: 36cm	One size	132X X1XXXX
41 500 57	Armcut 14 BT	Knitted medium weight Kevlar® sleeve, thumbhole, thumbhole, length: 36cm	One size	132X X1XXXX
44 028 35	Aracut Sleeves	Knitted medium weight Kevlar® sleeve, thumbhole, length: 45cm	One size	132X X1XXXX



Heat Protection

Whether you plan to handle objects from 100°C or 1000°C, our thermal protective gloves guarantee superior insulation in situations of extreme heat.



WELDERS

RECOMMENDATIONS

- Welding and heavy handling.

APPLICATIONS

- MIG welding.
- Arc welding.
- Heavy handling.

ADVANTAGES

- Highest quality leather and stitching for an extended lifespan.
- Very supple leather.

Green Welding

Ref. 20 000 41



Green Welding Plus

Ref. 20 000 42



Blue Welding

Ref. 20 000 44



Welder RF

Ref. 20 540 30



Maxi Welder Cut

Ref. 20 585 90



CE EN 420



Others Standards

Ref.	Name	Characteristics	Sizes	Standards		
20 000 41	Green Welding	Split leather, reinforced palm, reinforced palm, Kevlar® stitching, length: 34cm, cuff: 14cm	8 to 10	4133	413X4X	EN12477 TYPE A
20 000 42	Green Welding Plus	Split leather, reinforced palm, fully lined, Kevlar® stitching, length: 34cm	8 to 10	4133	413X4X	EN12477 TYPE A
20 000 44	Blue Welding	Blue split leather, doubled cotton fleece, length: 35cm	9 to 10	3132	413X4X	EN12477 TYPE A
20 540 30	Welder RF	Cowhide grain leather, reverse split leather, reinforced thumb/index, 20cm split cuff, length: 40cm	8 to 10	2132	41213X	EN12477 TYPE A
20 585 90	Maxi Welder Cut	Cowhide leather/Kevlar® Palm Kevlar fleece coated silicon/ back grain hydro, cotton lining, 15cm split cuff, length: 38cm	8 to 10	3421	433X4X	EN12477 TYPE B



FOUNDRY

RECOMMENDATIONS

- Foundry.

APPLICATIONS

- Radiant heat.
- Foundry and cutting.
- Operations removing from the mould.
- Handling of hot objects in the plastics industry.
- Handling of hot objects in mechanics or glassware.

ADVANTAGES

- Specific materials are used in specific areas to provide the user with maximum comfort and protection.
- Highest quality leather and stitching for an extended lifespan.

Foundry M20

Ref. 20 128 44



Foundry Lined

Ref. 20 128 47



CE EN 420

EN 388



EN 407



Ref.	Name	Characteristics	Sizes	Standards	
20 128 44	Foundry M20	Anti-heat split leather, fully lined cotton viscose, 20cm split cuff, length: 40cm	8 to 11	3143	41324X
20 128 47	Foundry Lined	Water-repellent and heat resistant cowhide split leather glove	8 to 11	3243	413X4X



STRONGOTHERM

RECOMMENDATIONS

- Handlings of warm parts in glass industries and removal from mould of warm parts for contact temperatures upto 100°C.

APPLICATIONS

- Automotive industry, automotive equipment suppliers.
- Paper industry.
- Glassware.
- Metallurgy and foundry.
- Plastic industry.

ADVANTAGES

- Conforms snugly to the hand, with good dexterity, maximum comfort and added sturdiness.

STR100H

Ref. STR100H



STR105H

Ref. STR105H



CE EN 420

EN 388



EN 407



Ref.	Name	Characteristics	Sizes	Standards	
STR100H	Strongotherm	Cotton Terry glove (900 g/m ²). Knitted wrist	Unique	122X	X1XXXX
STR105H	Strongotherm	Cotton Terry glove (900g/m ²). Canvas gauntlet cuff	Unique	122X	X1XXXX



Contact Heat Level 2 - 250°C

Terry / Fleece

RECOMMENDATIONS

- Handling of sharp and hot parts in dry environment.

APPLICATIONS

- Automotive industry, automotive equipment suppliers.
- Iron and steel industry.
- Glassware.
- Metallurgy and foundry.
- Plastic industry.

ADVANTAGES

- Good thermal protection.

Terry Mix

Ref. 20 326 25



Terrytop Canvas

Ref. 22 320 39



Crystal Heavy

Ref. 22 705 39



CE EN 420

EN 388

EN 407



Ref.	Name	Characteristics	Sizes	Standards	
20 326 25	Terry Mix	Cotton/polyester blend terry knitted glove, elasticated and knitted wrist, 60mm	9	232X	X2XXXX
22 320 39	Terrytop Canvas	100% cotton terry glove, winged thumb, 16 cm canvas cuff	Unique	1231	X2XXXX
22 705 39	Crystal Heavy	Jersey/Fleece glove, fully lined in double tickness, canvas cuff: 130mm		1222	X2XXXX



ARATHERMA

RECOMMENDATIONS

- Handling of sharp and hot objects in a dry environment. Thermal protection up to 350°C.

APPLICATIONS

- Automotive industry, automotive equipment suppliers.
- Paper industry.
- Glassware.
- Metallurgy and foundry.
- Plastic industry.

ADVANTAGES

- Nomex®/Kevlar® fibres combine good cut resistance with thermal protection.

Aratherma First

Ref. 20 321 00



Aratherma Fit

Ref. 22 320 86



Aratherma Nomex Heavy

Ref. 22 320 70



CE EN 420



Ref.	Name	Characteristics	Sizes	Standards
20 321 00	Aratherma First	Knitted Kevlar®/cotton, lined knitted cotton glove, ambidextrous, length: 26cm	9	134X X2XXXX
22 320 86	Aratherma Fit	Knitted mediumweight Kevlar®, lined cotton knitted glove, 10cm Knitted wrist, ambidextrous, length: 30cm	7 and 9	254X 43XXXX
22 320 70	Aratherma Nomex Heavy	Knitted heavy NOMEX®, lined cotton knitted glove, ambidextrous, length: 26.5cm	7 and 9	144X 43XXXX



Heat Protection - 500°C

Para-aramid / Glass Fibre

RECOMMENDATIONS

- Handling hot objects up to 500°C. Short contact with high temperatures.

APPLICATIONS

- Foundry (steel, aluminium...).
- Metallurgy.
- Glassware.
- Removing from a mould .

ADVANTAGES

- The mittens ensure safety in times of excessive heat (easy to remove).
- Topfire Supertherma: excellent compromise between dexterity and protection at high temperatures.

Topfire Supertherma

Ref. 22 806 73



IHR540

Ref. IHR540



CE EN 420



Ref.	Name	Characteristics	Sizes	Standards
22 806 73	Topfire Supertherma	Kevlar® fleece triple thickness, 13cm cuff in double thickness, length: 32cm	One size	2524 44413X
IHR540	IHR540	Five fingered glove, rubber-clad and silicone-clad glass fibre, doubled Kevlar® felt, insertion of glass fibre, 20cm aluminium-clad glass fibre cuff, length: 40cm	One size	2040 44XX34



Cold Protection

To insulate yourself against the cold, our thermal protection gloves guarantees superior insulation in situations of extreme cold.



COLD/WINTER

RECOMMENDATIONS

- Gloves for protection against the cold.

APPLICATIONS

- Handling of fresh or frozen products and working in frozen warehouses.
- General handling on a cold environment, outside works, road maintenance.
- Logistics: forklift operators and conductors.

ADVANTAGES

- SOFRACOLD: seamless knitted gloves offer comfort and flexibility and avoid irritations. Can be used as liner gloves.
- WINTER PRO is an all-weather protective glove, rain, wind, snow and salt and chemical resistant.

Cold Grip

Ref. NF11HD



Winter Pro

Ref. 20 064 33



CE EN 420

EN 388



EN 374-2



EN 511



EN 407



Ref.	Name	Characteristics	Sizes	Standards		
NF11HD	Cold Grip	Knitted blue polyamide, brushed winter liner, black foam 3/4 PVC coating	9L-10XL-11XXL	2232		x2x
20 064 33	Winter Pro	PVC (1.4mm) on knitted support on seamless wool terry cloth, pattern finish	8 and 10	4221	✓	121



Chemical Protection

Due to the properties of various materials (Latex, nitrile, neoprene and butyl), we have developed gloves which protect from all levels of chemical hazard (penetration, degradation, permeation). KCL expertise in this domain helps to reinforce the recommendation of chemical gloves for increased user protection.



RECOMMENDATIONS

- Protection of hands and objects. Single use gloves.

APPLICATIONS

- Food preparation.
- Laboratory works.
- Manufacturing and presentation of cosmetics.
- Common hospital duties.
- Assembly of small objects.

ADVANTAGES

- AQL 1.5 and food handling certified: guarantees a high level of quality and contact with foodstuffs (non-damaging to health. Glove components do not migrate towards food).
- Ref. 537 et 758 : applies to those allergic to Latex.
- Very fine touch.

NITRILE

LATEX

Dexpure range

Dexpure range



CE EN 420

EN 374-2



Ref.	Name	Characteristics	Sizes	Standards
45 800 81	DexPure 800-81	Nitrile, blue, non powdered, AQL 1.5	S to XL	✓ ✓
45 800 91	DexPure 800-91	Nitrile, blue, powdered, AQL 1.5	S to XL	✓ ✓
45 801 95	DexPure 801-95	Heavy blue nitrile, non powdered, AQL 1.5	7 to 10	✓ ✓
45 800 21	DexPure 800-21	Latex, natural, powdered, AQL 1.5	S to XL	✓ ✓
45 801 21	DexPure 801-21	Latex, natural, non powdered, AQL 1.5	S to XL	✓ ✓



RECOMMENDATIONS

- Light chemical protection.

APPLICATIONS

- Handling of fruit and vegetables, poultry and fish.
- Handling of detergents and cleaning liquids.
- Masonry.
- Aeronautical maintenance.
- Handling of frozen products.

ADVANTAGES

- Very supple, offers good mechanical resistance. Unrivalled comfort and dexterity for products with knitted/flocked products.

Finedex 944-32 Fisherman

Ref. 20 944 32



Blue jersey grip

Ref. 20 944 21



CE EN 420



Ref.	Name	Characteristics	Sizes	Standards
20 944 32	Finedex 944-32 FISHERMAN	Natural orange Latex, polyamide knitted liner, crinkled pattern, thickness: 1.3mm, length: 30cm	7 to 11	4231 X2XXXX ✓ ✓
20 944 21	Blue jersey grip	Natural blue Latex, interlock cotton support, patterned finish, thickness: 1.5mm, length: 30cm	6 to 11	2121 ✓ ✓



ADVANTAGES

- Very supple, offers good mechanical resistance. Unrivalled comfort and dexterity for products with knitted/flocked products.
- 100% natural rubber latex has excellent dexterity, elasticity, and tensile strength for long wear and comfort.
- Resistance to diluted acids, bases, alcohols, and aqueous solutions.
- PNLB1815/O/P complies with USDA and FDA regulations, 21 CFR, for use in food processing.
- Chlorinated for ease of donning and doffing.
- PVC coating provides good chemical resistance to oils, greases, caustics, acids and alcohols.
- Superior grip, dexterity, and flexibility reduces hand fatigue and promotes increased productivity.
- Heavy duty coating is ideal for rough applications.
- Ideal alternative for workers with latex allergies.
- Fully coated with attached sleeves are also available.

North® Premium Latex*

Ref. PNLB1815/O/9



North® Trawler King™

Ref. 850FWG



CE EN 420



Ref.	Name	Characteristics	Sizes	Standards
PNLB1815/O/9	North® Premium Latex*	Unsupported Premium Latex Glove, sanitized Interior	8-11	✓ ✓
850FWG	North® Trawler King™	Green, fully coated, length: 14inch	9L, 10XL	
860FWG	Trawler King	Green, fully coated, length: 40inch	8M, 9L, 10XL	

* WARNING: These products contain natural rubber/latex which may cause allergies in some individuals. These allergies can lead to serious illness or death. If an allergic reaction occurs (skin rashes, hives, flushing, itching, nasal, eye, or sinus symptoms, shortness of breath, asthma or shock), stop using this product immediately and consult a medical provider.



RECOMMENDATIONS

- High performance chemical protection (oils, detergents, certain solvents).

APPLICATIONS

- Degreasing of metals (solvents) in the automotive and aeronautic industry.
- Machining of parts in the presence of cutting oils.
- Manufacturing and application of paints and varnishes.
- Cleaning of printing rolls.

ADVANTAGES

- The nitrile formulation was chosen for its mechanical resistance, its flexibility, and its resistance to a great number of chemical products.

PowerCoat 953-03 Nitraf

Ref. 20 953 01



Nitri Knit

Ref. NK 803



Nitriguard Plus™

Ref. NK803ESIN



Nitriguard Plus™

Ref. LA132G



Ref.	Name	Characteristics	Sizes	Standards
20 953 01	PowerCoat 953-01 Nitraf	Green nitrile, cotton flocked, diamond pattern, thickness: 0.46mm, length: 33cm	7 to 11	4101 JKL
20 953 03	PowerCoat 953-03 Nitraf	Green nitrile, cotton flocked, diamond pattern, thickness: 0.52mm, length: 41cm	8 to 10	4101 JKL
20 953 04	PowerCoat 953-04 Nitraf	Green nitrile, chlorinated interior, diamond pattern, thickness: 0.6mm, length: 45cm	8 to 11	4101 JKL
NK803	Nitri Knit	Blue nitrile, Interlock cotton lining, length: 30cm	7 to 10	4111 JKL
NK803IN	Supported Nitrile Gloves	Blue nitrile, Chemical resistant, length: 12inch		
NK803ES	Supported Nitrile Gloves	Blue nitrile, Chemical resistant, length: 26inch		
NK803ESIN	Supported Nitrile Gloves	Blue nitrile, Chemical resistant, length: 26inch		
LA132G	Nitriguard Plus	Unsupported Nitrile Chemical-Resistant Glove	7 to 11	374-3 JKL



POWERCOAT®

RECOMMENDATIONS

- Neoprene offers great chemical and mechanical resistance. It resists acids, bases and solvents as well as industrial adhesives.

APPLICATIONS

- Chemical industry.
- Agriculture (use of fertilizers), fish agriculture.
- Treatment and degreasing of metal, grinding, decontamination.
- Transmission (automotive industry).
- Surface metal treatment (galvanisation).

ADVANTAGES

- Very supple, versatile protection.

PowerCoat 950-20 NEOFIT

Ref. 20 950 20



NÉOPRÈNE PLUS

FEATURES & BENEFITS

- Black neoprene unlined glove Cotton flocked interior Diamond finish.

Comfort

- Neoprene offers high flexibility The cotton flocked interior provides the user with greater comfort and makes it easier to slip in the glove. Its diamond finish provides a better grip in a damp environment.

Resistance

- Neoprene provides chemical and mechanical resistance. It resists to acids, bases and solvents as well as industrial adhesives. It is suitable for a wide range of chemicals.

Safety

- Category III glove for constant quality. The cuff helps to protect a part of the forearm.



CE EN 420

EN 388 EN 374-3 EN 374

Ref.	Name	Characteristics	Sizes	Standards
20 950 20	PowerCoat 950-20 NEOFIT	Black neoprene, flocked cotton, diamond pattern, thickness: 0.72mm, length: 33cm	7 to 11	3110 AKL
T1119FLC	Néoprène Plus	Protection against a wide range of chemical products (detergents, some solvents, acids and bases).	7S, 8M, 9L, 10XL	3110 JKL



APPLICATIONS

- Wide range of chemical tasks in most industries for contact with extremely dangerous materials.
- Automotive industry.
- Printing industry.
- Galvanising works.
- Manufacturing of chemicals.
- Recycling and waste disposal.
- Emergency services and civil protection.

ADVANTAGES

- Very good protection against extremely aggressive and toxic chemicals.
- Very high gas tightness.
- Solvent-free by eco-friendly injection moulding process (Ref. 890, 898).
- AQL < 0.65 (Ref. 890, 897+, 898).

Butoject® 898

Ref. 898



by Honeywell

Vitoject® 890

Ref. 890



by Honeywell

Silvershield sleeves

Ref. SSS



CE EN 420

EN 388



EN 374-3



EN 374



Others Standards

Ref.	Name	Characteristics	Sizes	Standards
898	Butoject® 898	Butyl smooth, rolled edge, 350mm, black	8 to 11	0010 BCI ✓ EN 421
890	Vitoject® 890	Viton smooth, rolled edge, 350mm, black	8 to 11	3101 DFG ✓
SSG	Silvershield gloves	Five-layer PE and EVOH laminate	6 to 11	1000 AHL ✓



APPLICATIONS

- Handling of acids and alkalis.
- Laboratory work.
- Galvanising works.
- Cleaning with high concentrated cleaning agents.
- Food, beverage industry (Ref. 450, 451).
- Construction industry.

ADVANTAGES

- AQL < 0.65 (Ref. 395, 403, 706, 708).
- AQL < 1.5 (Ref. 450+, 451+).
- Excellent low temperature flexibility.
- Wide cuff for putting on and taking off quickly. (Ref. 395, 403)
- Wide list of chemical permeation details available.
- Good grip when handling wet parts.
- Glove surface free from silicone (lacquer indifference, test method automotive industry) (Ref. 706, 708)
- Good grip when handling wet parts.
- Good low temperature flexibility.
- Powercoat 950-10 Mix Color: Double dipping ensures a superior level of chemical and mechanical protection. Flocked cotton interior improves comfort.
- Powercoat 944-05 Black Fit: Latex offers excellent flexibility and good dexterity.

PowerCoat 950-10 Mix-Color

Ref. 20 950 10



CE EN 420

EN 388 EN 374-2 EN 374 EN 374-3
 Others Standards

Ref.	Name	Characteristics	Sizes	Standards
20 950 10	PowerCoat 950-10 Mix-Color	Natural Latex/ blue/yellow neoprene, flocked cotton, diamond finish, thickness: 0.7mm, length: 32cm	7 to 10	4111 AKL



Gloves from Glove Box

With more than 50 years' experience in the manufacturing of gloves for glove boxes, we now present you with an extended range based on diverse materials (CSM, nitrile, butyl neoprene) or on a mix of materials (CSM/neoprene), in order to protect you from bacteriologic and nuclear risks, amongst others.



APPLICATIONS

- Working with glove boxes in the pharmaceutical, biotechnology, semi-conductor and nuclear sectors.

ADVANTAGES

- Manufacturing in superior quality steam-rolled neoprene gives it strong resistance to vapour and gas permeation.
- Resists a large range of chemical products, namely oils, grease, combustibles and acetone.
- Its good lengthening ability gives it great flexibility.
- Great resistance to abrasion and tears.

Neoprene



CE EN 420

EN 388



EN 374-3



EN 374-2



Ref.	Characteristics	Sizes	Standards	Other standards
Nitribox				
6N1532A	Neoprene, length: 81cm, thickness: 0.38mm, diameter: 152mm, ambidextrous	9Q 10H	3101 ABL	✓
8N1532A	Neoprene, length: 81cm, thickness: 0.38mm, diameter: 203mm, ambidextrous	9Q 10H	3101 ABL	✓
10N1532A	Neoprene, length: 81cm, thickness: 0.38mm, diameter: 254mm, ambidextrous	9Q	3101 ABL	✓



CSM

APPLICATIONS

- Working with glove boxes in the pharmaceutical, biotechnology, semi-conductors, nuclear sectors, defence and manufacturing sectors.

ADVANTAGES

- CSM offers exceptional resistance to the ozone and to oxidizing agents such as alcohols, alkalis and acids. Equally resistant to ultraviolet rays, whether under artificial or natural light.
- Soft and natural touch for better comfort.
- Great resistance to abrasion and tears.



CE EN 420

EN 388



EN 374-3



EN 374-2



Ref.	Characteristics	Sizes	Standards	Other standards
6Y1532A/9Q	CSM. Length: 81cm, Thickness: 0.38mm			
8Y1532A/9Q	CSM, length: 81cm, thickness: 0.38mm, diameter: 203mm, ambidextrous	8H 9Q 10H	4111 AKL	✓
10Y1532A/9Q	CSM, length: 81cm, diameter: 32inch, ambidextrous	5 to 10		



BUTYL

APPLICATIONS

- Working with glove boxes in the pharmaceutical sectors, biotechnology, semi-conductor and nuclear sectors. Ideal for handling highly toxic chemical substances.

ADVANTAGES

- Butyl offers optimum resistance vapour and gas permeation, as well as exceptional resistance to a large range of toxic chemical products.
- Great resistance to ketones (MEK, MIBK and acetone) and esters (tricresyl phosphate, amyl acetate, and ethyl acetate).
- Butyl offers a soft and supple feeling, even at low temperatures, which decreases hand fatigue and increases user comfort. This makes it more antistatic than neoprene or Hypalon.



CE EN 420

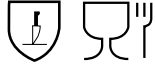


Ref.	Characteristics	Sizes	Standards	Other standards
8B1532A	Butyl, length: 81cm, thickness: 0.38mm, diameter: 203mm, ambidextrous	9Q 10H	3011 BCI	✓



Metal Mesh Protection

CHAINEXTRA



Stainless steel metal mesh glove with **interchangeable plastic spring strap**.
Detectable version available on request.

SAFETY

- No side opening: complete wrist protection.

COMFORT

- Scalloped plastic spring: the control loop does not slide.

HYGIENE

- Anti-bacterial agent: avoids contaminations.

EASE

- Plastic spring strap removable and replaceable without tools.



Chainextra

Ref.	Weight	Name	Sizes
254200XR0302	190g	Chainextra	0 to 6

Protective Clothing





Disposable Protective Clothing

European Standards

The European Economic Community adopted Directive 89/686/EEC in 1989, which defines the requirements that must be met by Personal Protective Equipment in order to preserve the health and safety of users.

THE HAZARDS ARE DIVIDED INTO THREE CATEGORIES:

Category 1	Minor hazards
Category 2	Intermediate hazards
Category 3	Serious or fatal hazards



Pictogram	Description	Standards
	Chemical protection - Types 3, 4, 5 and 6	EN 14605 Types 3 and 4 EN 13982-1 Type 5 EN 13034 Type 6
	Protection against the build-up of electrostatic charges*	EN 1149-5
	Protection against biological agents	EN 14126
	Protection against radioactive contamination** in the form of particles	EN 1073-2
FR	Protection against the propagation of flames***	EN 14116 (new norm EN533)
M1	Protection against the propagation of flames***	NFP 92 - 507
ATEX	Group IIIA, IIIB, IIIC, dust zones 21 & 22	EN 13463-1:2009

* To ensure proper grounding, static electricity cannot be managed in an separate garments (jacket, pants, etc.) but always within a complete system of antistatic equipment.
** Does not protect against radiation - *** Does not protect against flames - Limited burning if it catches fire - Not for use in the event of fire.

TO HELP YOU CHOOSE THE RIGHT PROTECTIVE CLOTHING, 6 LEVELS OF PROTECTION OR 'TYPES' - HAVE BEEN DEFINED BY THE EUROPEAN UNION:

Type	Pictogram	Description	Standards
Type 1		Gas-tight clothing	EN 943-1 EN 943-2
Type 2		Non gas-tight clothing	EN 943-1
Type 3		Protection against liquid chemicals in the form of jets (high speed projection)	EN 14605
Type 4		Protection against liquid chemicals in the form of spray	EN 14605
Type 5		Protection against solid chemicals suspended in the air (solid particles)	EN 13982-1
Type 6		Protection against liquid chemicals in the form of small splashes	EN 13034



TAKING MEASUREMENTS: measurements must be taken directly on the body, and not too tight. When measurements are between two sizes, choose the smaller one for a tighter fit and the larger one if you prefer a looser fit.

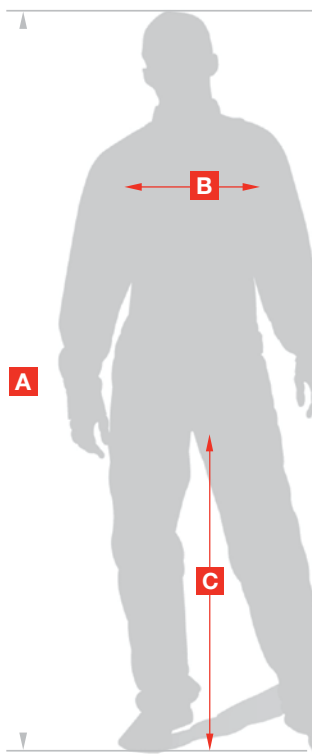


CHOOSE YOUR SIZE

A HEIGHT: measure from the top of the head to the floor, barefoot with heels together.

B CHEST SIZE: measured at the largest point.

C INSIDE LEG: measure from the crotch down to the floor in a straight vertical line.



Corresponding sizes for the SPACEL® 2000

Order sizes	2	3	4	5	6
A Height (in cm)	152-164	164-176	176-188	188-200	200-212
B Chest size (in cm)	76-140	76-140	76-140	76-140	76-140
C Inside leg (in cm)	80	85	90	97	97

Corresponding sizes for the SPACEL® 3000 and 4000

Order sizes	S	M	L	XL	XXL	XXXL
A Height (in cm)	164-172	170-178	176-184	182-190	188-196	> 194

Corresponding sizes for all the other coveralls

Order sizes	S	M	L	XL	XXL	XXXL
A Height (in cm)	164-170	170-178	178-182	182-188	188-194	194-200
B Chest size (in cm)	84-92	92-100	100-108	108-116	116-124	124-132



Disposable Protective Clothing

MUTEX® LIGHT



FEATURES & BENEFITS

Enhanced protection

- **Tear resistant** crotch design.
- **Certified** against biological agents.
- **Good resistance** to tearing and liquid penetration.

Ergonomics & comfort

- **Lightweight** for even greater comfort.
- Elasticated wrists and ankles.
- **3-piece elasticated hood:** for a better fit.
- **Dual slider zip.**
- Silicone and latex free.

Applications

- Chemical/petrochemical industry.
- Industrial maintenance.
- Construction / Building and Public Works.
- Asbestos removal.
- DIY.
- Waste disposal.
- Landscaping.

- **Composition:** White non-woven polypropylene laminated with a microporous film.
- **Weight:** 65g/m²

Sizes S to XXXL

Ref.	Description	Packaging
45 005 00	Mutex® Light	25 units per carton, individually packed

* Does not protect against radiation.

Category 3 - Serious or fatal hazards.



Dual slider zip



Special crotch design

ESSIAN® LIGHT



FEATURES & BENEFITS

Ergonomics & comfort

- Lightweight for even greater comfort.
- **Excellent breathability** - as comfortable as a T-shirt.
- Elasticated wrists and ankles.
- **3-piece elasticated hood:** for a better fit.
- **Tear resistant** crotch design.
- **Dual slider zip.**
- Silicone and latex free.

Applications

- Construction / Building and Public Works.
- Maintenance work.
- DIY.
- Landscaping.
- Chemical/petrochemical
- **Composition:** Non-woven polypropylene 3 layers (SMS) - white.
- **Weight:** 56g/m²

Sizes S to XXXL

Ref.	Description	Packaging
45 001 00	Essian® Light	50 units per carton, individually packed

* Does not protect against radiation.

Category 3 - Serious or fatal hazards.



3-piece hood



Elasticated wrists



pecial crotch design

Disposable Protective Clothing



ESSIAN® FR



FEATURES & BENEFITS

Enhanced protection

- **EN 533 and EN 14116 certified:** flame retardant material, reduces the risk of fire.
- **Double flap inside** and outside.
- **Ultra wide seams for better resistance against stress.**
- **Tear resistant** crotch design.

Ergonomics

- Soft and lightweight raw material for greater comfort.
- **3-piece hood:** for a better fit.
- **Dual slider zip.**
- Silicone and latex free.

Applications

- Chemical/petrochemical industry.
- Industrial maintenance
- Transport.

- **Composition:** Non-woven blue viscose.
- **Weight:** 90g/m²

Sizes S to XXXL

Ref.	Description	Packaging
45 003 00	Essian® FR	25 units per carton, individually packed

Category 3 - Serious or fatal hazards.

* Does not protect against radiation.

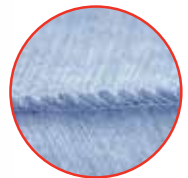
** Materials in compliance with the EN ISO 14116:2008 Index 1/0/0 standard. Index 1 materials must not be worn directly on the skin but over an Index 2 or 3 undergarment, in compliance with the EN ISO 14116:2008 Index 1/0/0 standard. Protection against the propagation of flames.



Dual slider zipper



3-piece hood



Ultra wide seams

MUTEX® T4



FEATURES & BENEFITS

Enhanced protection

- **Watertight seams** to improve resistance to liquids.
- **Adhesive flap.**
- **Tear resistant** crotch design.
- **Very good abrasion,** tear and perforation resistance.
- **Thumb hole** for a better fit.
- **Dual slider zip.**

Ergonomics

- **Lightweight for even greater comfort.**
- Elasticated waist and ankles.
- **3-piece hood** for a better fit.
- Silicone and latex free.

Applications

- Chemical/petrochemical.
- Industrial maintenance/cleaning.
- Asbestos removal.
- Waste disposal.
- Painting.
- Pharmaceutical industry.
- Police.
- Emergency/humanitarian services.
- Construction.
- Phytosanitary.

- **Coverall:** Polypropylene laminated with microporous film.
- **Weight:** 65g/m²

Sizes S to XXXL

Ref.	Description	Packaging
45 006 00	Mutex® T4 White	25 units per carton, individually packed

* Does not protect against radiation.

Category 3 - Serious or fatal hazards.





Disposable Protective Clothing

SPACEL® COMFORT LIGHT



FEATURES & BENEFITS

Enhanced protection

- **Stitched and taped seams** for resistance equal to that of the material.
- **Double flap and double zipper** for optimum protection.
- **Adhesive outer flap.**
- **Tear resistant** crotch design.
- **Very good resistance** to tearing and liquid penetration.

Ergonomics & comfort

- Lightweight.
- Elasticated wrists and ankles.
- **3-piece elasticated hood:** for a better fit.
- **Dual slider** zip
- Silicone and latex free.

Applications

- Chemical/petrochemical industry.
- Industrial maintenance.
- Pesticides
- Waste disposal.
- Landscaping.

- **Composition:** Non-woven polypropylene laminated with polyethylene film - green.
- **Weight:** 70g/m².

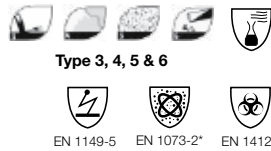
Sizes S to XXXL

Ref.	Description	Packaging
45 050 00	SPACEL® Comfort Light	25 units per carton, individually packed

Category 3 - Serious or fatal hazards.



SPACEL® COMFORT MEDIUM



FEATURES & BENEFITS

Enhanced protection

- **Stitched and taped seams** for resistance equal to that of the material.
- **Double flap and double zipper** for optimum protection.
- **Knee pads.**
- **Adhesive outer flap.**
- **Tear resistant** crotch design.
- **Very good resistance** to tearing and liquid penetration.
- **Excellent visibility:** brightly colored.

Ergonomics & comfort

- Lightweight.
- Elasticated wrists and ankles.
- **3-piece elasticated hood:** for a better fit.
- Dual slider zip.
- Silicone and latex free.

Applications

- Chemical/petrochemical industry.
- Industrial cleaning
- Decontamination.
- Industrial maintenance.
- Civil engineering.
- Pharmaceutical industry.

- **Composition:** Non-woven polypropylene laminated with polyethylene film - orange.
- **Weight:** 80g/m².

Sizes S to XXXL

Ref.	Description	Packaging
45 060 00	SPACEL® Comfort Medium	25 units per carton, individually packed

* Does not protect against radiation.

Category 3 - Serious or fatal hazards.



Disposable Protective Clothing



SPACEL® COMFORT HEAVY



Type 3, 4, 5 & 6 B



EN 1149-5 EN 1073-2* EN 14126

FEATURES & BENEFITS

Enhanced protection

- **Stitched and taped seams** for resistance equal to that of the material.
- **Double flap and double zipper** for optimum protection.
- **Knee pads.**
- **Adhesive outer flap.**
- **Tear resistant** crotch design.
- **Good tear** resistance.
- **Excellent chemical** resistance.

Ergonomics & comfort

- Elasticated wrists and ankles.
- **3-piece elasticated hood:** for a better fit.
- **Dual slider** zip.
- Silicone and latex free.

Applications

- Chemical/petrochemical industry.
- Industrial cleaning
- Decontamination.
- Industrial maintenance.
- Civil engineering.
- Pharmaceutical industry.
- **Composition:** Non-woven polypropylene laminated with a complex polyethylene-EVOH film - gray.
- **Weight:** 155g/m²

Sizes S to XXXL

Ref.	Description	Packaging
45 070 00	SPACEL® Comfort Heavy	10 units per carton, individually packed

Category 3 - Serious or fatal hazards.



SPACEL® COMFORT FR



Type 3 & 4

EN 1149-5 EN 14116**

FEATURES & BENEFITS

Enhanced protection

- **Stitched and taped seams** for resistance equal to that of the material.
- **Double flap and double zipper** for optimum protection.
- **Adhesive flap.**
- **Tear resistant** crotch design.
- **Good resistance to** tearing and liquid penetration.

Ergonomics & comfort

- Lightweight.
- Elasticated wrists and ankles.
- **3-piece elasticated hood:** for a better fit.
- **Dual slider** zip.
- Silicone and latex free.

Applications

- Chemical/petrochemical industry.
- Industrial cleaning
- Decontamination.
- Industrial maintenance.
- Civil engineering.
- Pharmaceutical industry.
- **Composition:** Non-woven coated viscose, gray.
- **Weight:** 138g/m²

Sizes S to XXXL

Ref.	Description	Packaging
45 080 00	SPACEL® Comfort FR	10 units per carton, individually packed

** Materials in compliance with the EN ISO 14116:2008 Index 1/0/0 standard.
Index 1 materials must not be worn directly on the skin but over an Index 2 or 3 undergarment, in compliance with the EN ISO 14116:2008 Index 1/0/0 standard. Protection against the propagation of flames.

Category 3 - Serious or fatal hazards.





Reusable Protective Clothing

MUTEX® LIGHT OVERSHOES

FEATURES & BENEFITS

- Non-slip sole - antistatic.
- Suitable for safety shoes up to size 45.
- Antistatic.
- Non-slip.
- Lightweight.
- **Composition:** White non-woven polypropylene laminated with a polyethylene microporous film.
- **Weight:** 65g/m² - antistatic.

Design

- Elasticated ankles.

Ref.	Height	Length	Width of sole	Packaging
45 510 00	15cm	32cm	13cm	100 pairs per carton



EASYCHEM

FEATURES & BENEFITS

- High protection factor thanks to the overpressure in the suit.
- High frequency welding for increasing chemical and mechanical resistance of the assembly
- Comfort of use and safety thanks to a wide visual field.
- Durable and resistant because of gas tight protected zip fastener protected by a flap and gloves junction and fixation protected.
- Higher safety and easy of use with the integrated welded safety boots and easy change for gloves.
- **Composition:** White non-woven polypropylene laminated with a polyethylene microporous film.
- **Weight:** 65g/m² - antistatic.

Ref.	Description	Weight	Size
880707T	Easychem1B-F: Gastight suit according to EN 943-1B SCBA outside. Orange 350 gr/sqm polyester reinforced Fenec. Welded boots and interchangeable gloves.	4.5 kg	S(1) to XL(4)
890707T	Easychem1A-F: Gastight suit according to EN 943-1A SCBA inside. Orange 350 gr/sqm polyester reinforced Fenec. Welded boots and interchangeable gloves.	4.5 kg	S(1) to XL(4)

Specifications

Weight	6.5 kg depending on the size
Abrasion EN 530	Class 6
Perforation EN 863	Class 4
Flame resistance EN 13274-4	PASS
Chemical resistance EN374-3	NaOh (50%) 6/6, Methanol 4/6, HCl (37%) 6/6, Acetonitril 2/6, Trichlorethylene 1/6
Gloves	Standard size: 9/9.5 – Also available: size 10/10.5
Boots	S (T40-41) – M (T42/43) – L (T44) – XL (T45-47)
EN 943-1 A	Performance requirements for ventilated and non-ventilated “gas-tight” chemical protective suits. Type A: with a breathable air supply, e.g. a self-contained open-circuit compressed air breathing apparatus, worn INSIDE the chemical protective suit.
EN 943-1 B	Performance requirements for ventilated and non-ventilated “gas-tight” chemical protective suits. Type B: with a breathable air supply, e.g. a self-contained open-circuit compressed air breathing apparatus, worn OUTSIDE the chemical protective suit.





ALUPRO JACKET

FEATURES & BENEFITS

- Mao collar, Velcro® fastening.
- Collar is lined for greater comfort, 100% flame-retardant-treated cotton inner lining.
- Press-stud wrist adjustment.
- Length: 90cm.

Ref.
14 10F 34

Category 3 - Serious or fatal hazards.



EN ISO 11612:2008
(A1-B1-C3-D3-E3-F1)



Sizes S to XXXL



Double safety closure via inner flap using Velcro® and press-studs covered by a flap.



ALUPRO PANTS

FEATURES & BENEFITS

- Centre press-stud and flap fastening.
- Collar is lined for greater comfort, 100% flame-retardant-treated inner lining.
- Adjustable straps for support.
- Straight leg.

Ref.
14 10F 35

Sizes S to XXXL



ALUPRO COAT

FEATURES & BENEFITS

- Mao collar, Velcro® fastening.
- Collar is lined for greater comfort, with 100% flame-retardant-treated cotton.
- Double safety fastening via inner flap with Velcro® and press-stud covered by a flap.
- Length: 115cm.

Ref.
14 101 13

Sizes S to XXXL



Wrist adjustment with press-studs.





Reusable Protective Clothing

AluPro Hood

FEATURES & BENEFITS

- Padded, built-in hood.
- Wide shoulder coverage.
- Large tempered glass, gold coated, curved visor.
- Interchangeable visor - ref. 9600013.000



Ref.

14 101 55

Sizes one size



Adjustable underarm elastics to fix and hold the hood in place.

AluPro Gaiters

FEATURES & BENEFITS

- Total top-of-the-foot coverage.
- Lateral fastening with wide Velcro® strips.
- Leather support strap under the sole with adjustable buckle.
- Length: 45cm.
- Packed: in pairs.

Ref.

14 100 03

Size one size



AluPro Apron

FEATURES & BENEFITS

- Apron with adjustable straps at the neck and waist.
- Comfortable and practical: straps designed in 100% flame-retardant-treated cotton with adjustable plastic buckles.
- Length: 100cm.

Ref.

14 100 33

Sizes one size





FlamePro1 Jacket

FEATURES & BENEFITS

- Mao collar, Velcro® fastening.
- Semi-elasticated wrist adjustment.
- 3 patch pockets: 1 left breast pocket and 2 lower pockets with flap and press-stud.
- Retro-reflective label with standard pictograms at the bottom right-hand side.



Ref.

41 118 14

Sizes XS to XXXL



Double safety closure via inner flap using Velcro® and press-studs covered by a flap.

FlamePro1 Pants

FEATURES & BENEFITS

- Zip fastening with flap and press-stud.
- Belt loops and side-elasticated waist.
- 4 pockets: 2 slanted waist pockets with flap and 2 patch pockets: 1 at the back on the right-hand side, and 1 on the side of the left leg with flap and press-stud.
- Reinforcement at the knees: limits the risk of tearing.
- Straight leg.
- Retro-reflective label with standard pictograms on the left leg.

Ref.

41 118 12

Sizes XS to XXXL





Reusable Protective Clothing

FlamePro1 Coverall

FEATURES & BENEFITS

- Mao collar, Velcro® fastening.
- Two-way zip fastening and flap with Velcro®.
- Elasticated at the waist.
- Reinforcement at the knees: limits the risk of tearing.
- Semi-elasticated wrist adjustment.
- 4 pockets: 2 slanted waist pockets with flap and 2 patch pockets: 1 left breast pocket and 1 at side of right knee with flap and press-stud.
- Straight leg.
- Retro-reflective label with standard pictograms on the right leg.

Ref.
41 118 08

Sizes XS to XXXL



FlamePro1 Hood

FEATURES & BENEFITS

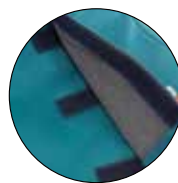
- Wide shoulder coverage.
- Can be worn with a helmet
- Retro-reflective label with standard pictograms on the lower left-hand side.

Ref.
41 018 13

Size one size



Adjustable front flap,
Velcro® fastening.





FlamePro2 Jacket

FEATURES & BENEFITS

- Mao collar in 100% flame-retardant cotton with Velcro® fastening.
- Press-stud fastening with flap.
- Upper front and complete back of the jacket in 100% flame-retardant cotton: flexible, lightweight and reflects the heat.
- Press-stud wrist adjustment.

Sizes M to XXL

Ref.	Description
41 049 32	Split leather jacket



Press-studs at the wrist allow for easy adjustment and enable gloves to be worn in comfort.



Upper front and complete back of the jacket in 100% flame-retardant cotton for added comfort

FlamePro2 Pants

FEATURES & BENEFITS

- Front of pants in split leather.
- Back in 100% flame-retardant cotton.
- Belt loops in Blue split leather.
- Waist lined in 100% flame-retardant cotton.
- Press-stud fastening.
- Straight leg.

Sizes M to XXL

Ref.
41 049 34





Reusable Protective Clothing

FlamePro2 Apron

FEATURES & BENEFITS

- Two-tone apron in gray and blue split leather (heat retro-reflective).
- Comfortable and resistant: apron adjustable using straps around the neck and waist, in 100% flame-retardant cotton, with plastic buckle fastening.
- Available in two lengths: 90cm and 110cm.

Ref.	Description
41 011 80	Apron 90 cm



FlamePro2 Cuffs

FEATURES & BENEFITS

- Split leather sleeves protect the forearm.
- Elasticated at both ends: better support and an easy fit with gloves.
- Length: 40cm.
- Packed: in pairs.

Ref.
43 027 26

Size one size



FlamePro2 Gaiters

FEATURES & BENEFITS

- Split leather gaiters with double Velcro® lateral fastening: one size fits all, and remain resistant.
- Covers the entire shoe.
- Double fastening with understrap and plastic buckle loop.
- Packaged: in pairs.

Ref.
43 052 21

Size one size



Reusable Protective Clothing



Guardian Apron



Type 3 (PB)

FEATURES & BENEFITS OF APRONS

- Neoprene provides excellent chemical resistance.
- Good mechanical resistance.
- Antistatic material with performance of $10e^{10}$ ohms according EN 1149-1.
- Flame retardant material, limiting the propagation of flames, M2 performance according to the NFP 92507 standard.
- Adjustable strap for a better fit.

Size One size

Ref.	Description
A164691	Guardian Apron 70x90



FirePro Parka

FEATURES & BENEFITS

- High Mao collar with large protective flap and Velcro® fastening.
- Semi-elasticated wrist adjustment and Velcro® fastening.
- Thumb loop for increased stability.
- 3 patch pockets: 1 microphone breast pocket with Velcro® fastening and 2 waist pockets with Velcro® fastening.
- Yellow and gray retro-reflective strips around the body and arms, and yellow at the waist.



Ref.	Description
14 300 21	Blue
14 300 24	Orange



Added safety: inside flap, zip fastening, covered by flap with Velcro®



Thumb loop for good stability

Sizes S to XXXL

FirePro Over-pants

FEATURES & BENEFITS

- Zip fastening, covered by flap and press-stud.
- Semi-elasticated waist adjustment.
- Adjustable straps with plastic buckles.
- Reinforcement at the knees: limits the risk of tearing.
- 2 side patch pockets with Velcro® fastening.
- 2 yellow and gray retro-reflective strips under the knees.

Ref.	Description
14 200 31	Blue
14 300 34	Orange

Sizes S to XXXL





Reusable Protective Clothing

Northylon Coverall



EN 14605/A1 : 2009



Type 4

FEATURES & BENEFITS

- Polyamide provides excellent mechanical resistance.
- Good chemical resistance.
- Enhanced protection with its double flap and press stud over the zip.
- **WEIGHT:** 400g/m².
- **COLOR:** Green.

Sizes S to XXXL

Name	Ref.	Description
Northylon H SWA	N71250x10	Coverall with hood

Category 3 - Serious or fatal hazards.



Northylon Aprons



Type 4PB

FEATURES & BENEFITS

- Adjustable strap.
- Polyamide provides excellent chemical resistance.
- Good mechanical resistance.

Size One size

Name	Ref.	Dimensions	Weight	Color
Northylon Light N42	N70462910	106x91	400g/m ²	Green





Space!® Comfort Medium Overboots

FEATURES & BENEFITS OF APRONS

- Suitable for safety shoes up to size 45.
- Antistatic.
- Non-slip.
- Lightweight.
- **Composition:** Laminated polypropylene with polyethylene film.

Design

- Elasticated ankles.

Ref.	Height	Length	Width of sole	Weight	Packaging
45 600 00	57cm	32cm	13cm	80 g/m ²	100 pairs per carton
45 700 00	57cm	32cm	13cm	155 g/m ²	100 pairs per carton



Fall Protection





Fall Protection Fundamentals

STANDARDS*

EN12841/C	Rope access systems: back-up devices
EN 341	Descenders
EN 353-1	Guided Type Fall Arresters Rigid Anchorage Line and Rails
EN 353-2	Guided Type Fall Arresters Flexible Anchorage Line
EN 354	Lanyards
EN 355	Shock Absorbers
EN 358	Work Positioning Systems
EN 360	Retractable Type Fall Arresters
EN 361	Full Body Harness
EN 362	Connectors
EN 795(b)	Anchorage Devices – Class B
EN 813	Sit Harness
EN 363	Fall Arrest Systems

HARNESS TYPE	European Standard	Work Restraint	Work Positioning	Fall Arrest	Work in Suspension	To Rescue
Work Positioning Belt	EN 358	ok	ok	-	-	-
Full Body Harness	EN 361	ok	-	ok	-	-
Full Body Harness	EN 361/ EN 358	ok	ok	ok	-	-
Multifunction Full Body Harness	EN 358/ EN 813 EN 361	ok	ok	ok	ok	ok

WORKING AT HEIGHT CATEGORIES

Your working at height environment reflects the equipment that must be used. The categories summarised below have been defined by European Standards and are used as the base for work at height operations.

FALL ARREST

Equipment used to stop falling worker in the event of a fall from height.

Typical Fall Arrest System consists of:

- Anchor devices.
- Full body harness.
- Connecting devices.

RESCUE

Rescue & Evacuation of an injured high access worker is mandatory consideration for work at height operations.

Typical Rescue System consists of:

- Rescue & evacuation device.

WORK POSITIONING*

Equipment holding an operator in their place of work, allowing a hands free work environment.

Typical Work Positioning System consists of:

- Anchor devices.
- Full body harness with a positioning belt.
- Connecting devices (work-positioning lanyard).

WORK IN SUSPENSION*

Designed to lower and support a worker, allowing a hands free work environment.

Typical Suspension System consists of:

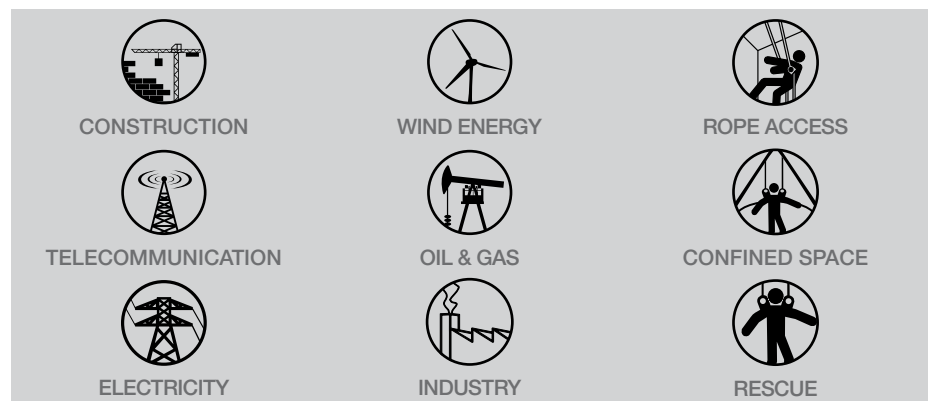
- Anchor devices.
- Full body harness.
- 2 ropes: 1 equipped with a descender, 1 equipped with a rope grab.

WORK RESTRAINT

Equipment used to prevent the workers from approaching a position from which they can fall.

Typical Work Restraint System consists of:

- Anchor devices.
- Work restraint belt or full body harness.
- Connecting devices (restraint lanyard).



* The positioning and suspension systems are not designed for Fall Arrest. A back-up Fall Arrest system must be used.



Introduction to Fall Protection Basics

THE ABC'S

A simple way of remembering the core components of a fall arrest system is the "ABC" of Fall Arrest. Quite simply, without one part, the system does not work.

A ANCHOR DEVICES

Definition: Used to join the connecting device (work restraint, fall arrester) to the anchorage, commonly referred to as the "tie-off point" (I-beam, scaffolding or other structural point).

Anchor devices may be one of the 2 types:

- Permanent anchor devices (e.g. horizontal cable lifeline, horizontal rail systems...).
- Temporary anchor devices (e.g. steel strops, scaffold hooks, webbing anchorage slings, beam grips and dead-weight anchor...).

B FULL BODY HARNESS

Definition: Used to hold a worker during & after a fall.

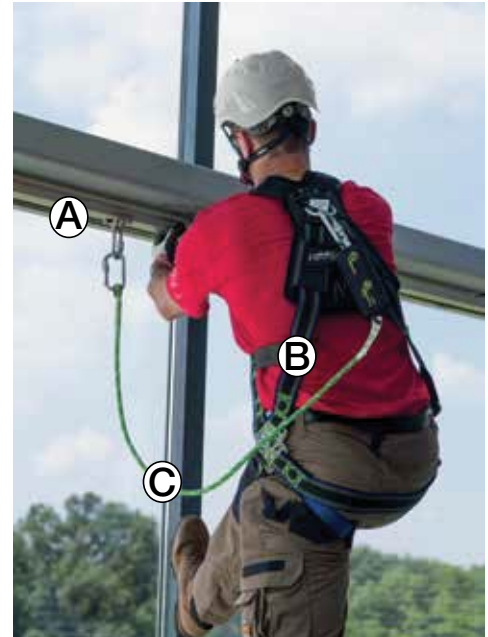
- Full body harness must be worn for Fall Arrest situations.
- Work restraint belts cannot be used for Fall Arrest.

C CONNECTING DEVICES

Definition: Used as intermediate attachment to connect the worker's harness to the anchor device (e.g. shock absorbing lanyard, self retracting lifeline, fall limiter, rope grab etc.).

Connecting devices may be one of the 2 types:

- Fall Restraint: a fall restraint system prevents workers from reaching a hazard.
- Fall Arrest: a fall arrest system allows workers to reach a hazard and then protects them if they should fall.



LIFE CYCLE OF FALL PROTECTION EQUIPMENT

Please consult for detailed information the dedicated product user manual.

A. For our products made of mainly textiles (harnesses, lanyards, SRL with webbing¹)

The maximum life cycle is ten years from the date of production except in cases where environmental factors² and special conditions of use³ for fall protection equipment apply. An annual inspection done by a competent person⁴ (trained for PPE inspections) is mandatory.

B. For our products made up mainly of metal (cable SRL, karabiners)

We do not indicate a life cycle for our products made up mainly of metal. It is unlimited, under condition the product undergoes regular maintenance during the yearly inspection carried out by a competent person. In case of doubt or damage, the device has to be sent for expert inspection/repair at a local Honeywell Service Centre or the factory. For products not subject to maintenance (non workable), the life cycle is a maximum of ten years^{2,3}.

1. Except for Miller Falcon 6m webbing and Scorpion Edge : Replacement of the webbing kit is every 5 years from date of manufacture.
2. Contact with chemical products, poor storage conditions, exposure to strong sources of heat (> 50°C), to ultraviolet (UV) radiation, harsh abrasion, etc...
3. Product deterioration, activation due to a fall, mechanical fault, premature wearing, intensity of use. In all cases, our products must be inspected once a year.
4. A person who has successfully completed an inspection course and who currently holds a valid inspection certificate.

In all cases, our products must be checked once a year.

Fall Arrest Harnesses

MILLER H-DESIGN™ HARNESS

FEATURES & BENEFITS

Benefits:

- Freedom of movement.
- Greater comfort.
- Easy to put on and quick to connect.
- More safety: avoids the worker to tilt sideways.
- Easy inspection.
- Better traceability.
- Greater durability.

Features:

- Exclusive and innovative harness structure in 'H':
 - Ergonomically placed webbing.
 - Horizontal leg straps.
- Unique top-down front adjustment.
- Adjustable chest strap.
- Accessible back D-ring due to its bended position.
- Unique patented sternal D-ring with automatic centering in case of a fall.
- Highly visible stitches.
- Front and back fall indicators.
- 10 year inspection chart & user name label.
- Protected webbing: water repellent and stain free.

MILLER H-DESIGN™ HARNESS ACCESSORIES

SEE P 338-339



SIZE SELECTION GUIDE

WEIGHT

140											ON REQUEST
130											ON REQUEST
120											ON REQUEST
110											ON REQUEST
100											ON REQUEST
90											ON REQUEST
80											ON REQUEST
70											ON REQUEST
60											ON REQUEST
50											ON REQUEST
40											ON REQUEST
	150	155	160	165	170	175	180	185	190	195	200
	ON REQUEST		SIZE 1			SIZE 2			SIZE 3		

Images are for guidance only.

HEIGHT

Ref.	Name	Type of shoulder webbing	Nb of attachment points	Type of buckles	Type of front attachment	Size
10 328 55			1 point	Mating buckles	-	1
10 328 56			1 point	Mating buckles	-	2
10 328 63			2 points		-	1
10 328 64			2 points		-	2



Fall Arrest Harnesses

TITAN™



FEATURES & BENEFITS

Benefits: Lightweight

- Fully adjustable design so one size fits all.
- Sliding back D-ring for a comfortable fit.

Features: Ensuring safety and compliance in the workplace

- Durable polyester webbing.
- Sub-pelvic strap keeps the wearer upright.
- Manual chest and leg buckles.
- 45 mm chest strap with metal buckle.

Ref.	Size	Description
10 118 91	Unique	2 point - Front webbing loops and rear attachment
10 118 90	Unique	1 point - Rear attachment.

Conforms to EN 361



Ref. 10 118 91

Ref. 10 118 90

TITAN™



2 point + workpositioning - Rear attachment with work positioning belt.

FEATURES & BENEFITS

Benefits: Lightweight

- Fully adjustable design so one size fits all.
- Sliding back D-ring for a comfortable fit.

Features: Ensures safety and compliance in the workplace

- Durable polyester webbing.
- Front webbing loops.
- Sub-pelvic strap keeps the wearer upright.
- 45mm chest strap with metal buckle.
- Manual buckles.

Ref.	Size
10 118 94	Unique

Conforms to EN 361 and EN 358



Fall Arrest / Work Positioning Harnesses

RM



The perfect compromise between freedom of movement and excellent support for suspension.
3 point + workpositioning - Rear and sternal attachment, ventral attachment loops and workpositioning side attachment.

FEATURES & BENEFITS

Benefits: Stretch webbing

- Greater freedom of movement.
- Comfort with reduced fatigue.
- Excellent support for work in suspension.

Features: Easy fitting

- Work positioning belt and sit harness function.
- Elasticated webbing on shoulder straps.
- Lightweight and easy-to-fit.
- Quick connect buckles at legs and waist.
- Padded belt and leg straps.

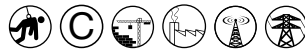
Ref.	Size
10 034 39	M/L

Conforms to EN 361, EN 358 and EN 813



Self Retracting Lifelines

TURBOLITE™ BLOCK



Best alternative to shock-absorbing lanyards used in Factor 2.
 2m – Self retracting webbing lifeline.

FEATURES & BENEFITS

Benefits: Usable in fall factor 2

- Compact & lightweight.
- Low space clearance of 1.80m compared to 2.50m for a shock-absorbing lanyard (fall factor 0).
- Adapted to all situations when working with low space clearance.
- Can be used in Fall Factor 2 (below the back D-ring and not lower than foot level).
- Can be used on both ways around
- Rated for up to a 100kg user in fall factor 2 (140kg in fall factor 0 and 1).
- Abrasion resistance and long service life.
- No annual factory recertification required. *

Features: Compact and lightweight 0.86kg

- Built-in web fall indicator identifies when to remove from service.
- Quick activating patent pending braking system.
- Provides 2m working capacity lifeline.
- Engineered webbing (vectran/polyester webbing) for greater abrasion resistance and long service life.
- Built-in swivel prevents lifeline from twisting during use.
- High-strength, impact-resistant nylon housing for maximum durability.

Ref.	Webbing side	Block side
10 180 13	Scaff hook (65mm)	Twistlock

Conforms to EN 360.

* The CE standard requires inspection by a trained competent person, following the Miller Repair Guide.





Self Retracting Lifelines

FALCON™ BLOCK



6m-Self retracting webbing lifeline

FEATURES & BENEFITS

Benefits: Increased Service Life

- Nylon casing comes with a lifetime guarantee.
- Best length/weight ratio on the market (6m unit weighs only 1.5kg).

Ref.	Anchorage connection	Harness connection
10 167 96	Screwgate	Snap hook (22mm)

Features:

- Lightest, most compact 6m web self-retracting lifeline.
- Quick activating braking mechanism.
- Webbing provides extremely high abrasion resistance (tested > 20,000 cycles).
- Offers Xtreme durability with a strong, composite housing.
- Swivel at the top of unit to prevent lifeline from twisting during use.



Conforms to EN 360

An annual inspection by a Miller Service Point (MSP) or the factory is mandatory. At the time of examination, the device must be opened and subjected to a complete inspection.

AVIABLOC



1.5m and 2.5m – Retractable polyamide webbing lifeline

FEATURES & BENEFITS

Benefits:

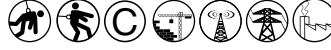
- Working capacity of 2.5m maximum.
- Reduces the impact force of a fall.
- Integrated shock-absorber.
- Swivel at the harness connexion side to avoid twisting of the webbing.

Ref. Housing	Length	Anchorage connection	Harness connection
10 028 71	2.5m	Sgk*	Sgk*



Edge-tested Shock Absorbing Manyard®

EDGE-TESTED STRETCHABLE SHOCK-ABSORBING LANYARDS



FEATURES & BENEFITS (same as STRETCHABLE SHOCK-ABSORBING LANYARDS)

Additional benefits: Mechanical properties resistant against cutting and shearing

Additional features: Patented core-yarn technology

- Identifiable green tubular webbing with a black stripe or with a black shock-absorber.
- Wrapped filament combining two types of thread: one shock absorbent and one abrasion resistant.





EDGE-TESTED SHOCK ABSORBING MANYARD®

Ref.	Length	Forked	Harness connector	Anchorage connector
10 179 16	2m	-	Aluminium Steel screwgate karabiner CS20	Scaffold hook, large opening aluminium 65mm
10 285 20	1.5m	•	1/4 steel karabiner	Scaffold hook, large opening 55mm

Steel Karabiners

Steel karabiners

1018960	A	Screw gate CS20	
1018963	B	Twist lock CS20	



Work Positioning Lanyards

Used to allow hands free work, to complement a fall arrest system. The length is easily adjustable with one hand to fit around the structure and then onto the side D-rings of the harness' belt. Conforms to EN 358.



MILLER HANDZUP®



Work positioning lanyard that leaves your hands free to work in complete safety!

FEATURES & BENEFITS

Benefits: Ergonomic, Flexible, Interchangeable lanyard and ultra-resistant

- Specially designed for improved handling and greater comfort during work.
- Just a few seconds are sufficient to accurately adjust the lanyard to the perfect work positioning point.
- An economical system: it is not necessary to change the entire system when only the rope is unserviceable. The rope can be replaced by a user when necessary.
- Rope that lasts double the length of time: the new polyamide braided rope is twice as resistant compared to ordinary rope.

Features:

- 2 aluminium side plates.
- ABS handle.
- Aluminium compartment.
- Stainless steel pivoting cam.
- 100% polyamide braided rope, diameter 12mm , with or without protection sleeve.
- Plastic sleeve protecting rope termination.
- Optional repositionable locking screw.



Miller HandZup®, a wide range of products in response to every need:

Ref.	Rope length							Karabiner at rope termination	Protective sheath	Karabiner on tensioner
	2 M	3 M	4 M	5 M	10 M	20 M	30 M			
10 320 97	X							B	X	A



Rope and Cable Fall Arresters

Light, industry-proven, stainless steel automatic or manual fall arresters, rope grabs and cable grabs prevent workers from falling during ascent or descent for both vertical and horizontal applications. Particularly useful on sloping roofs where retractable lifelines may react too slowly. In the event of a fall or slip, they lock onto the rope or cable, arresting the fall immediately.

STICK RUN



Rope grab for vertical, horizontal and sloping applications

FEATURES & BENEFITS

Benefits:

- Easy to use.
- Automatic mode for vertical use.
- Manual mode for work positioning in horizontal and sloping use.
- Stick run glides freely over the line without manual intervention.

Features:

- Rope grab in stainless steel.
- Suitable for 10/12mm or 14/16mm rope.
- Automatic locking for vertical use.
- Weight: 0.62kg.
- Manual locking position for horizontal work and restraint purposes, repositioning manually along rope.

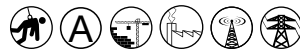
Stick Run is sold without a rope



Ref.	Model	For Ø rope	Extension
10 076 40	MF51	Kernmantel 10.5 mm	-

Conforms to EN 353-2. Recommended for use with Miller ropes only (see page 365)

ANCHORAGE LINE



Suitable for vertical, horizontal and sloping applications.

FEATURES & BENEFITS

Benefit:

- Can be installed by means of the telescopic pole and anchorage connector.

Features:

- Twisted polyamide rope or kernmantel rope.
- Supplied with galvanised connector and counterweight.

- Anchorage line is suitable for use with a 10/12mm or 14mm/16mm rope grab.
- Available in various lengths.

Length	Twisted polyamide rope, diam. 14mm and screwgate karabiner	Twisted polyamide rope, diam. 12mm and screwgate karabiner	Kernmantel rope, diam. 10.5mm and screwgate karabiner	Kernmantel rope, diam. 11mm	Kernmantel rope, diam. 11mm, black	Nylon rope, diam. 12mm with 2 stitched splices
with counterweight	x	x	x			
10m	10 028 91	10 113 44	10 076 13			
15m			10 031 74			
20m	10 028 92	10 113 45	10 076 14			
25m						10 117 26
30m	10 028 93	10 113 46	10 076 15			





Connectors

SCREW GATE KARABINERS

- Material: Aluminium.
- Opening: 17mm.
- Resistance: 23kN.
- Dim.: 111 x 60mm.
- Weight: 80g.
- Multi-purpose karabiner.

Ref

10 092 76

Conforms to Standard:
EN 362 Class B



CS20 ALU



Anchorage Points

One of the most important aspects of a fall protection system, is the selection of a reliable anchorage point (A) to ensure full safety. This shall:

- have a static resistance > 10kN.
 - be located at a safe distance above any lower obstacles.
- be as vertical as possible to the work station to avoid the swing effect.

TITAN™



Webbing anchorage sling.

FEATURES & BENEFITS

Benefits: The anchorage sling provides a secure anchorage point for the fall arrest device

- High breaking strength.
- Lightweight.
- Safe and easy-to-install anchorage point.

Features:

- 20mm red and black polyamide webbing.
- Breaking strength: > 10kN.



Ref.	Length
10 083 63	1.2m
10 083 64	1.5m

Conforms to EN795b & EN566

WEBBING MOBILE LIFELINE WITH ANCHORAGE SLING



Webbing Temporary Horizontal Lifeline

FEATURES & BENEFITS

Benefits:

- Offers a large working area.
- Fast and easy to install.
- For use by one or 2 workers.
- Maximum working length 20 metres.
- Fixing to either permanent anchorage points or temporary webbing anchorage slings.

Features:

- Durable polyester webbing with 35 mm.
- Length adjuster.
- Delivered in a bag.



Ref.	Size
10 111 60	20m

Conforms to EN795b



Confined Space

TRIPOD



FEATURES & BENEFITS

Benefit: Easily installed by one person

Features: Self-locking and adjustable

- Aluminium tripod.
- Fully adjustable legs lock securely in place thanks to the automatic pins.
- Two anchorage points.
- Supplied with one pulley.
- Weight: 15kg.
- Dimensions: Fully extended: height: 2.1m/leg span: 1.5m.
- Height: 2.1m
- Fully retracted dimension: height: 1.4m – width: 0.4m.
- Breaking strength: > 10 KN.
- Maximum safe working load: 136kg.

Ref.

10 050 41

Conforms to EN 795 (b)



MN20 MANHANDLER® WORK WINCH



FEATURES & BENEFITS

Benefits:

- Compact and robust.
- Both a rescue and material winch.
- Manhandler® is easy to operate.

Features:

- Brake holding – friction disk.
- Housing in steel, yellow chromate plating.
- Mechanical efficiency 5:1.
- Overspeed braking system and load indicator.
- Integrated bracket for tripod.
- Swivel snap hook.
- Maximum charge: 150kg.



Ref.	Length	Description
10 050 42	20m	Lifeline material: galvanised steel cable

Conforms to EN 1496



MIGHTEVAC® RESCUE/ RETRIEVAL HOIST



Combines the superior performance and reliability for emergency evacuation
15m to 40m - Cable self-retracting lifeline with emergency retrieval winch

FEATURES & BENEFITS

Benefits: Heavy duty performance

- Easy-to-use.
- Used in conjunction with the Miller Tripod and dedicated brackets to form the core of a stable and secure confined entry/rescue system.

Features:

- 4.8mm galvanised or stainless steel cable.
- Quick-activating retrieval winch mechanism.
- Pressed steel housing and compact design.
- Rescue winch (up/down), gear ratio 5:1.
- Corrosion-resistant stainless steel/ aluminum components.
- Convenient, heavy-duty carrying handle.
- Integrated fall indicator.



Ref.	Length	Description
10 051 49	15m	Lifeline material: Galvanised steel
10 051 60	30m	Lifeline material: Galvanised steel
10 053 30	15m	Brackets for MightEvac®
10 053 31	30m & 40m	Brackets for MightEvac®

Conforms to EN 360 and EN 1496

Safety Footwear



European Standards



EN ISO 20345



Category	EN ISO 20345 requirements:
SB	Basic requirements for shoes: toecap resistant to an impact of 200 Joules and crushing of 15kN
S1	Basic requirements + - Closed heel area - Antistatic properties - Heel energy absorption - Resistance to fuel oil
S1P	S1 + - Anti-puncture resistance (P)
S2	S1 + - Water penetration and absorption
S3	S2 + - Anti-puncture resistance - Cleated outsole

EN ISO 20346 and EN ISO 20347

	Professional use	Symbol			
EN ISO 20346	Protective footwear (100 Joule toecap)	PB	P1	P2	P3
EN ISO 20347	Work footwear (without toecap)	OB	O1	O2	O3

Additional requirements for specific applications with relevant marking symbol

	Requirement	Symbol
Whole shoe	Penetration resistance	P
	Electrical properties: - Conductive footwear - Antistatic footwear	C A
	Resistance to inimical environments: - Heat insulation of the sole complex - Cold insulation of the sole complex - Energy absorption of the seat area - Water resistance - Metatarsal protection - Ankle protection - Cut resistance	HI CI E WR M AN CR
Upper	Water penetration and water absorption	WRU
Outsole	Resistance to hot contact Resistance to fuel oil	HRO FO



European Standards and Sizes

Chain saw resistance standard: EN ISO 17249

Footwear protecting against chainsaw cuts. (Forestry, tree-felling, etc).

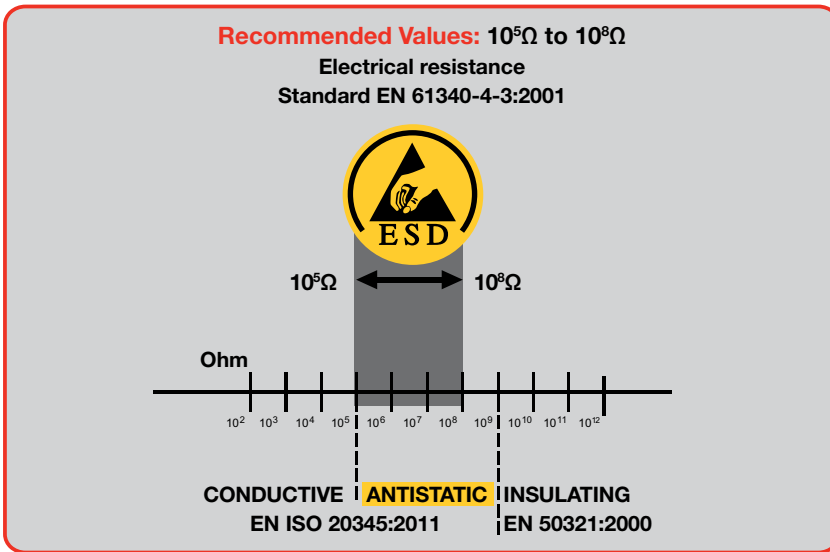
Class I: chain speed 20 m/s

Class II: chain speed 24 m/s

Class III: chain speed 28 m/s



ESD certification - 61340-4-3:2001 class 3 table 1



Fire Fighter standard: EN 15090:2012

Minimum performance requirements and corresponding test methods for fire service footwear to be used in fire fighting and related activities. (See page 457).

SRC Certification

Slip resistance performance of the outsole

Marking	Surface	Lubricant	• Friction factor: requirements flat	• Friction factor: requirements heel
SRA	Ceramic plates	Sodium lauryl sulfate	≥ 0.32	≥ 0.28
SRB	Steel	Glycerol	≥ 0.18	≥ 0.13
SRC	Meets requirements for the 2 above tests (SRA + SRB)			

Size conversion chart

FR European standards	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
UK	2.5	3	4	5	6	6.5	7	8	9	10	10.5	11	12	13	13.5
US	2.5	3.5	4.5	5	6	7	7.5	8.5	9	10	11	11.5	12	13	14

Executive



KD600/601

FEATURES & BENEFITS

- Black Non-woven Fabric Counter Liner.
- Sponged Collar.
- Barton Print Leather.
- Latex Comfort Strip.
- Thermoplastic Counter Stiffener.
- 200 Joules Steel Toecap.
- Low Density PU Mid-Sole.
- Higher Density PU Outsole.
- Anti-static Insole Board.
- White Non-woven Fabric Vamp Liner.
- Fabric Lined EVA Sponge Foot-bed (Anti-static Thread Stitching)

Product Number	Description	Standards
KD600	Safety Ankle Boot	CE EN 20345 S1
KD601	Safety Shoe	CE EN 20345 S1



53706/907 – S3

FEATURES & BENEFITS

- Upper material quality leather.
- Textile lining.
- Dual density PU sole.
- Comfortable and extra wide fitting.
- Steel toe cap.
- Steel midsole.

Product Number	Description	Standards
53706/907 – S3	Size: 36-48	EN ISO 20345 S3



53707/907 – S2

FEATURES & BENEFITS

- Upper material quality leather.
- Textile lining.
- Dual density PU sole.
- Comfortable and extra wide fitting.
- Steel toe cap.

Product Number	Description	Standards
53707/907 – S2	Size: 36-48	EN ISO 20345 S3





Executive

53711/966 – S3

FEATURES & BENEFITS

- Upper material quality leather.
- Textile lining.
- Dual density PU sole.
- Comfortable and extra wide fitting.
- Steel toe cap.
- Steel midsole.

Product Number	Description	Standards
53711/966 – S3	Size: 36-48	EN ISO 20345 S3



53756/907 – S3

FEATURES & BENEFITS

- Upper material quality leather.
- Textile lining.
- Dual density PU sole.
- Comfortable and extra wide fitting.
- Steel toe cap.
- Steel midsole.

Product Number	Description	Standards
53756/907 – S3	Size: 36-48	EN ISO 20345 S3



KJ484

FEATURES & BENEFITS

- Upper Construction.
- Upper Material Smooth full grain leather upper.
- Taibrelle lining.
- Non-woven fibre insole board.
- Full length EVA foam insole.

Product Number	Description	Standards
KJ484	Size: 4-13	EN ISO 20345 S1





KD 681

FEATURES & BENEFITS

- Upper material quality leather.
- Textile lining.
- Dual density PU sole.
- Comfortable and extra wide fitting.
- Composite toe cap.
- Steel midsole.



Product Number	Description	Standards
KD 681	Size: 36-48	EN ISO 20345 S1 P
53719/907 – S1 P	Size: 36-48	EN ISO 20345 S1 P

KL225X

FEATURES & BENEFITS

- Black Grain leather strap-on shoe.
- Single density PU sole.
- CPU foam Insole.
- Steel Toe Cap – Extra wide.
- Anti- Bacterial and Anti-Fungal.
- Anti Static.
- Exceptional Shock Absorption.



Product Number	Description	Standards
KL225X	Size: 34-40	EN ISO 20345 S3

KL221X

FEATURES & BENEFITS

- Black Grain leather strap-on shoe.
- Single density PU sole.
- CPU foam Insole.
- Steel Toe Cap – Extra wide.
- Anti- Bacterial and Anti-Fungal.
- Anti Static.
- Exceptional Shock Absorption.



Product Number	Description	Standards
KL221X	Size: 36-48	EN ISO 20345 S3

Electrical Safety





Stay Compliant with OSHA

On April 1, 2014, OSHA announced a final rule revising the standards for electric power generation, transmission, and distribution. Prior to this revised rule, arc flash protective clothing was subject to limited regulation and was primarily driven by standards such as NFPA70E and NESC. Look to Salisbury to provide your arc flash protective clothing required by the OSHA Ruling.

Below is a summary of the final ruling. There are 5 key areas of focus:

Employers and Training

- Host and contract employers must share information with each other on safety related matters.
- Required training will be determined by the risk to the employee.

Fall Protection

- Workers must use fall protection when changing location on towers, poles, or similar structures.
- Fall protection equipment must be capable of passing a drop test after exposure to electric arcs of 40 ± 5 cal/cm² to protect workers from fall after exposure to flames or arc flashes.
- Equipment must be set up so workers can free fall no more than .6 meters.

Minimum Approach Distances

- OSHA to provide a Minimum Approach Distance Calculator on its website.
- MAD will be effective in elevations less than 3,000 feet with systems of 72.5 kV or less.

Arc Flash Hazard Analysis

- "NFPA 70E-2004 Table 130.7(C)(9)(a) is a proposed method by OSHA for establishing PPE based on their minimum required arc ratings."
- Employers must provide all available information that relates to the determination of existing characteristics and conditions.

FR and Arc Rated Clothing

- FR clothing is defined as clothing that does not melt, ignite, or contribute to the injury of the wearer.
- Arc rated clothing is required whenever the calculated energy is greater than 2.0 cal/cm².
- Arc rated clothing must cover the entire body with exception for hands, feet, and head protection.
- If employees face a single phase, open air exposure 9-12 cal/cm², a face shield is required; exposures greater than 13 cal/cm² require a faceshield + balaclava or arc rated hood.
- If employees face a three phase exposure 5-8 cal/cm², a face shield is required; exposures greater than 9 cal/cm² require a faceshield + balaclava or arc rated hood.

1910.269 & 1926.960
UPDATES

Effective Dates:

July 10, 2014

Ruling goes into effect

October 31, 2014

Enforcement begins

Flame Resistant clothing required

January 1, 2015

Arc Flash Hazard Analysis is required

April 1, 2015

Arc flash protection programs required

Arc flash clothing required

New calculated Minimum Approach

Distances required

Fall Protection required



AS1000HAT & AS1200HAT

AS1000HAT & AFHOOD KIT

FEATURES & BENEFITS

The AS1000HAT, AS1200HAT & AS2000HAT Kits make your Personal Protective Equipment purchasing even easier. These convenient kits contain a AS1000HAT or AS1200HAT or AS2000HAT, a 10 cal/cm² or 12 cal/cm², or 20 cal/cm² ATPV rated AFHOOD, safety glasses and an ASBAG.

The AS2000HAT has an ATPV rating of 20 cal/cm² and utilizes nanotechnology to provide a clearer, more transparent window for improved visibility. The AS1200HAT has an ATPV rating of 12 cal/cm² and includes ventilation ribs that allow a natural convection air flow through the top of the face shield. The AS1000HAT has an ATPV rating of 10 cal/cm². The lens provides a 7.5" x 20" viewing area with an extra light tint.

The SKA kits are an ideal kit to use with PPE programs that exceed 8 cal/cm² or with 8 cal/cm² to 12 cal/cm². ATPV rated coveralls and coats.

Note: Due to AS1000HAT ATPV rating of 10 cal/cm², protection greater than 10 cal/cm² cannot be achieved.

Due to AS1200HAT ATPV rating of 12 cal/cm², protection greater than 12 cal/cm² cannot be achieved.



CAT. No.	Description
SKA10	ATPV 10 cal/cm ² Kit - 10 cal/cm ² AFHOOD With 10 cal/cm ² AS1000HAT, ANSI rated safety glasses and ASBAG.



Note: In order to achieve 360 Degree 20 cal/cm² protection, a 20 cal/cm² balaclava must be worn.

NFPA 70E: An arc rated hood shall be used when the anticipated incident energy exposure exceeds 12 cal/cm².



Important: The maximum Arc Flash Protection of a kit is equal to the lowest cal/cm² rating of any component in the selected safety kit.



Pro-Wear Lift Front Hood

A REVOLUTIONARY HYBRID IN ARC FLASH PROTECTION

FEATURES & BENEFITS

INTRODUCING THE NEXT GENERATION IN ARC FLASH HEAD PROTECTION

Salisbury by Honeywell's revolutionary Lift Front Hood is a unique hybrid combination hood that is lighter and more comfortable to wear than a standard arc flash hood. The combination of a wider face shield and transparent chin guard more than doubles the vertical peripheral vision one would experience while wearing a standard hood and offers the user greater outward visibility and access to natural light.

The Lift Front Hood is comprised of 60% less fabric than standard arc flash hoods. This reduction in fabric allows for more natural head movement and eliminates the need for frequent hood adjustments due to shifts in the excess fabric.

In addition to increased visibility and comfort, the Lift Front Hood offers an extra level of safety protection for the user as it allows for increased breathability. The industrial bracket design creates a natural ventilation system that allows carbon dioxide and heat to escape as it rises from the body.

Lift Front Hood's visibility, fabric weight, breathability and lifting features make it a pioneer in the fusion of comfort and safety in arc flash protection products and Salisbury by Honeywell is proud to take the lead in introducing this revolutionary product to the marketplace.

Breathability matters. According to OSHA, workers are at greater risk of heat stress while using bulky or non-breathable protective clothing and equipment.

If the body cannot get rid of excess heat, it will store it. When this happens, the body's core temperature rises and the heart rate increases. As the body continues to store heat, the person begins to lose concentration and has difficulty focusing on a task, may become irritable or sick, and often loses the desire to drink. Exposure to heat can also increase the risk of injuries because of sweaty palms, lens fogging and dizziness.



CAT. No.	Description
LFH40	40 cal, 2 layer, 9oz/yd ² over 9oz/yd ²



Arc Flash Pro-Air Flow Hood System

SALISBURY PRO-AIR™ AIR FLOW HOOD SYSTEM

FEATURES & BENEFITS

Integrated with Salisbury's PRO-HOOD® Arc Flash Protection Hood. Now, all Salisbury PRO-HOOD® Arc Flash Protection Hoods are available with an optional integrated cooling system. This newest addition to the PRO-AIR™ line of products provides additional air flow and cools the worker. This unit is excellent in warm conditions or confined spaces. The easy to wear system is light weight, compact and easy to use. The system is designed to provide the worker with approximately 80cfm of air flow throughout the breathing zone. The unit is powered by 8 AA batteries and is designed to maintain a useful continuous life of up to 35hrs at 80cfm. The unit is non-filtered and is not considered a respirator.

CAT. No.	Description
FH20BL-C	20 cal/cm ² Arc flash hood w/ air system
FH40GY-C	40 cal/cm ² Arc flash hood w/ air system

Note: Units provided with standard U.S. two prong blade electrical plugs. The plugs are for use in North and Central America and Japan. For all other requirements, please contact Salisbury International Customer Service.



Pro-Wear Arc Flash Protection Premium Coveralls

ARC FLASH PROTECTION COVERALLS

FEATURES & BENEFITS

- 8 cal/cm² to 20 cal/cm² ATPV ratings.
- Made from arc flash resistant material.
- Sewn with Nomex® thread.
- Full cut with set in sleeves.
- Arc rated hook and pile front closure.
- 30" Inseam.
- Expansion back.
- 2-Ply Nomex® wristlets.
- Hook and pile cuff opening.
- Meets current ASTM F1506 and NFPA 70E standards.
- Standard sizing includes size S-3XL. Other sizes are available by special order.

Note: Garments that have received CE 1020 certification will be marked accordingly.

CAT. No.	Description
ACCA8BL	8 cal/cm ² , Navy blue
ACCA11BL	12 cal/cm ² , Navy blue
ACCA20BL	20 cal/cm ² , Navy blue

Note: Available in larger sizes upon request. Contact your local Salisbury Representative for details.
Note: Add suffix for desired size: S, M, L, XL, 2XL or 3XL



Pro-Wear Arc Flash Protection Premium Coat and Pant Kits

ARC FLASH SAFETY PROTECTIVE EQUIPMENT 8 & 12 CAL/CM² KITS

FEATURES & BENEFITS

Salisbury's line of Pro-Wear[®] arc flash protective apparel has expanded to include HRC2 Coat and Pant Kits. These new kits provide everything needed for eye, face, head and body protection and are available in several configurations to make ordering easier and more convenient.

As with all products that carry the Salisbury by Honeywell Pro-Wear[®] name, the HRC2 Coat and Pant Kits are made from industry leading materials. The HRC2 Coat and Pant Kits contain premium grade garments that offer increased breathability and comfort. The face shields are made utilizing nanotechnology which produces a clearer, more transparent window, thus improving user visibility. Additionally, the ventilation ribs featured on the face shield unit allow a natural convection air flow through the top of the face shield. This reduces fogging of the visor, lowers CO₂ levels and improves comfort for the user.

Standard sizing includes size S-3XL. Other sizes are available by special order.



CAT. No.	Description
	8 Cal/cm ² Coat and pant kits
SKCP8	ACC832BL, ACP830BL, SKBAG, AS1000HAT, AFHOOD10, safety glasses and ASBAG

Note: Standard sizing for Pro-Wear[®] garments is S-3XL. Guaranteed flame resistance for the life of the garment when washed according to care instructions. Please contact Salisbury by Honeywell Customer Service for additional sizing options and availability.



*Important: The maximum Arc Flash Protection of a kit is equal to the lowest cal/cm² rating of any component in the selected safety kit.



Arc Flash Protection Premium Coverall Kits

SALISBURY PRO-WEAR® ARC FLASH PROTECTION COVERALL KITS

FEATURES & BENEFITS

Clothing kits containing arc flash coveralls in an ATPV rating of either 8 cal/cm² or 12 cal/cm², an AS1000HAT, ATPV rated AFHOOD, an appropriate ASBAG, SKBAG and safety glasses. Standard sizing includes size S-3XL. Other sizes are available by special order.

CAT. No.	Size of Garments (choose one below)	ATPV Rating cal/cm ²	HRC	Description
SKCA8	S, M, L, XL, 2XL or 3XL	8	2	Navy
SKCA11	S, M, L, XL, 2XL or 3XL	10	2	Navy

Note: Garments that have received CE 1020 certification will be marked accordingly.



*Important: The maximum Arc Flash Protection of a kit is equal to the lowest cal/cm² rating of any component in the selected safety kit.



THESE KITS MEET NFPA 70E
HAZARD RISK CATEGORY 2.



Pro-Wear Personal Protection Equipment Kits

PRO-WEAR® ARC FLASH

FEATURES & BENEFITS

Salisbury PRO-WEAR® Arc Flash Personal Protective Equipment Kits available in ATPV ratings of 8, 12 and 20 cal/cm². These kits contain arc flash coat, bib overalls, PRO-HOOD®, hard hat, SKBAG and safety glasses.

These kits meet NFPA 70E Hazard Risk Category 2.

Product numbering chart for 8 cal/cm² to 20 cal/cm² PPE Kits

CAT. No.	Size of Garments (choose one below)	ATPV Rating cal/cm ²	HRC	Description
SK20	S, M, L, XL, 2XL or 3XL	20	2	Navy



Salisbury PRO-WEAR® Arc Flash Personal Protection Equipment Kits are available in an ATPV rating of 31 cal/cm². This kit contains an arc flash coat, bib overalls, PRO-HOOD®, hard hat, SKBAG and safety glasses.

This kit meets NFPA 70E Hazard risk Category 3.

Product numbering chart for 31 Cal/Cm² ppe kit

CAT. No.	Size of Garments (choose one below)	ATPV Rating cal/cm ²	HRC
SK31	S, M, L, XL, 2XL or 3XL	31	3



Pro-Wear Personal Protection Equipment Kits

PRO-WEAR® ARC FLASH

FEATURES & BENEFITS

Salisbury PRO-WEAR® Arc Flash Personal Protection Equipment Kits available in ATPV rating of 40 cal/cm². This kit contains an arc flash coat, bib overalls, PRO-HOOD®, hard hat, SKBAG and safety glasses.

These kits meet NFPA 70E Hazard Risk Category 4.

Product Numbering Chart for 40 cal/cm² PPE Kits

CAT. No.	Size of Garments (choose one below)	ATPV Rating cal/cm ²	HRC	Description
SK40	S, M, L, XL, 2XL or 3XL	30	4	Gray kit
SK40PLT	S, M, L, XL, 2XL or 3XL	40	4	Premium Light Weight



SK40

LIGHTER MATERIAL THAN EVER 40 CAL/CM²
"PLT" MATERIAL OFFERS EXTREMELY LIGHT
WEIGHT OPTION.



*Important: NFPA 70E does not have a Hazard Risk Category above 40 cal/cm². Working on levels above 40 cal/cm² should be avoided because of the blast hazards caused by arc flash.

FEATURES & BENEFITS

Salisbury PRO-WEAR® Arc Flash Personal Protection Equipment Kits available in ATPV rating of 55 and 75 cal/cm²*. These kits contain an arc flash coat, bib overalls, PRO-HOOD®, hard hat, SKBAG and safety glasses.

These kits meet NFPA 70E Hazard risk Category 4.

Product Numbering Chart for 55 cal/cm² & 75 cal/cm² PPE Kits

CAT. No.	Size of Garments (choose one below)	ATPV Rating cal/cm ²	HRC
SK55	S, M, L, XL, 2XL or 3XL	55	4
SK75	S, M, L, XL, 2XL or 3XL	75	4

SK55



Pro-Wear Personal Protection Equipment Kits

PRO-WEAR® ARC FLASH

FEATURES & BENEFITS

Salisbury PRO-WEAR® Arc Personal Protection Equipment Kits are available in an ATPV an rating of 100 cal/cm²*. This kit contains an arc flash coat, bib overalls, PRO-HOOD®, hard hat, SKBAG and safety glasses. Made from TUFFWELD® which offers inherent arc rated protection with a high level of comfort and durability. Exceptional light weight comfort with superb wicking so you can stay cooler and drier even under demanding conditions. This kits meet NFPA 70E Hazard risk Category 4.

Product Numbering Chart for 100 cal/cm² PPE Kits

CAT. No.	Size of Garments (choose one below)	ATPV Rating cal/cm ²	HRC
SK100	S, M, L, XL, 2XL or 3XL	100	4



*Important: NFPA 70E does not have a Hazard Risk Category above 40 cal/cm². Working on levels above 40 cal/cm² should be avoided because of the blast hazards caused by arc flash.



Insulating Rubber Gloves

INSULATING RUBBER GLOVES

FEATURES & BENEFITS

Salisbury insulating rubber gloves are available in sizes 7 through 12, including some half sizes. Proper fit is important to minimize chafing and fatigue. To determine glove size, measure the circumference around the palm. Allow for additional room if fabric glove liners are to be worn, especially with thermal liners.

Class 00 gloves are available in red and black, Type I Natural Rubber or blue and contrasting blue/orange Type II Salcor® ozone resistant rubber. Class 0 gloves are available in red, yellow and black, Type I Natural Rubber or blue Type II Salcor® ozone resistant rubber. The contrast between the thin outer orange color against the inner blue color makes inspecting for cuts and tears easier when the glove is inflated or stretched.

Class 2 gloves are available in Type I Natural Rubber only. All insulating rubber gloves are extremely flexible and make working with small parts easy. The gloves meet or exceed ASTM D120 and IEC EN60903 Standards.



Insulating rubber gloves maximum usage

Class	Proof test voltage AC/DC	Max. use voltage AC/DC
00	2500 / 10,000	500 / 750
0	5,000 / 20,000	1,000 / 1,500
1	10,000 / 40,000	7,500 / 11,250
2	20,000 / 50,000	17,000 / 25,500
3	30,000 / 60,000	26,500 / 39,750
4	40,000 / 70,000	36,000 / 54,000

Insulating rubber gloves

Class	Length	Color	Size (Choose one below)
E 00	11 or 14	R, BL, B, Y or BLO	
E 0	11 or 14	R, BL, B, Y or BLO	7, 8, 8H, 9, 9H
E 1	14,16 or 18	B, YB or RB	10, 10H, 11, 12
E 2	14,16 or 18	B, YB or RB	

Class 3 and Class 4 Available.

Example: E011R10 is a Class 0 11" red glove size 10.

Type I Natural Rubber available in: R=Red, Y=Yellow, B=Black, RB=Red in, Black out, YB=Yellow in, Black out.

Type II Salcor® Rubber available in: BL=Blue, BLO=Blue in, Orange out.



E011BL8

E0011B8

E0014R8

E218YB10

ELECTROSOFT LATEX ISOLATING GLOVES

FEATURES & BENEFITS

- Electricity is needed to satisfy growing global energy needs and isolating gloves are one of the most important pieces of equipment of personal protection for electricity professionals. They form the first barrier by blocking contact with electric currents.
- Areas of application include production, transportation, generation and distribution of electricity in industries such as railways, telecommunications and construction and for the installation and maintenance of solar panels and hybrid car batteries, etc.
- Non-supported Latex insulating gloves are recommended to be worn in conjunction with a suitable leather overglove to provide mechanical protection from abrasion, cuts, tears and perforation.
- The natural Latex glove is available in beige or red with a rolled or cut edge, according to the needs of the user.
- The natural Latex base offers excellent dielectric characteristics.
- The thicker the glove the higher the electrical resistance.
- An ergonomic design increases comfort by providing additional softness and allows the glove to be put on and taken off very easily.

Ref.	Class	Operating Voltage	Length	Size	Category	Colour
20 919 03	00	500 V AC	360	7 to 11	AZC	Beige
20 919 07	0	1,000 V AC	360	7 to 11	RC	Beige
20 919 12	1	7,500 V AC	360	7 to 11	RC	Beige
20 919 21	2	17,000 V AC	360	7 to 11	RC	Beige
20 919 31	3	26,500 V AC	360	7 to 11	RC	Beige
20 919 41	4	36,000 V AC	410	7 to 11	RC	Beige



Insulating Rubber Gloves

COMPOSITE GLOVES AND SPECIAL GLOVES

FEATURES & BENEFITS

Composite gloves incorporate both electrical and mechanical protection. A hammer is shown on each glove to highlight that it has been tested against cutting, perforation and wear and tear.

A range of composite gloves manufactured from a natural latex base, covered with an outer layer of polychloroprene that combines mechanical resistance and comfort with a high protection level

Composites

- Interior flocked cotton (for classes 00 and 0): high density cotton is sprayed on the inside of the glove: better comfort because of sweat absorption.
- Chlorinated version are available to make putting on and taking off the gloves easier.
- Patterned finishes: good grip in damp conditions; particularly useful for outdoor work.
- Protection from electric arc in the event of a short circuit: the structure of the material shows excellent qualities against electric arcs.

Ref.	Class	Operating Voltage	Length	Size	Category	Finish
20 920 11	00	500 V AC	360mm	7 to 11	RC	Chlorine, patterned palm
20 920 12	0	1,000 V AC	360mm	7 to 11	RC	Flocked, patterned palm
20 920 17	1	7,500 V AC	410mm	9 to 11	RC	Patterned fingers
20 920 27	2	17,000 V AC	410mm	9 to 11	RC	Patterned fingers



Special Gloves: IsoArc™ and Long Composite

- IsoArc™ is designed to be flame-resistant, and guarantees electrical insulation up to 1000 V (it is not a composite). IsoArc™ is very thin and soft, enabling electricians to perform the most precise jobs. Independent testing has shown how the external polychloroprene layer of the IsoArc™ offers very good flame resistance, so that electricians are better protected in the event of an electric arc.

Ref.	Name	Class	Operating Voltage	Length	Size	Category	Finish
20 920 02	IsoArc	0	1.000 V AC	360mm	7 to 11	RC	Chlorine, patterned palm

Leather Protectors

LEATHER PROTECTOR GLOVES

FEATURES & BENEFITS

Leather Protector Gloves should always be worn over insulating rubber gloves to provide the needed mechanical protection against cuts, abrasions and punctures. The ILP Series is manufactured from top grain cowhide or goatskin. Cowhide cuffs are tough leather on palm side and orange vinyl on the back, while the goatskin cuffs are green leather on palm side and orange vinyl on back. The ILP10 gloves do not have a cuff. Full complement of styles from low-volt through 16" contour cuff. Leather protector gloves come in dual sizes 7/7.5 through 11/11.5 and 12. Protectors for Class 00 and 0 are available with non-metallic buckle and pull strap or elastic wrist.

It is the responsibility of the purchaser to specify the overall length of the protector gloves. The Clearance Table shows the minimum distance which shall be allowed between the top of the protector glove cuff and the top end of the bead of the rubber glove per ASTM F496 Specifications.

Warning: Do not use leather protectors alone for protection against electric shock. Serious injury or death will result. Always use proper insulating rubber gloves.

Proper care of leather protectors is essential to user safety. Inspect the leather protectors when inspecting rubber gloves. Metal particles, imbedded wire, abrasive materials or any substance that could physically damage the rubber gloves must be removed from the protector before use.

Leather Protector Clearance Table

Glove Class	Min. Distance Between Top of Protectors and Rubber Gloves	
	in.	mm
00, 0	1/2	13
2	5	51

Leather Protectors

CAT No. Goatskin	OAL Length in. (mm)	Weight lbs. (kgs)
ILPG3S	12 (305)	1 (.5)
ILPG5S	14 (356)	1.2 (.5)
ILPG10	10 (254)	.7 (.32)

S=straight cuff

Sizes: 7/7.5, 8/8.5, 9/9.5, 10/10.5, 11/11.5, 12



ILP10



ILPG10



ILPG7C

Overgloves and Accessories

OVERGLOVES

FEATURES & BENEFITS

Overgloves are used to provide mechanical protection from abrasion, cuts, tears and perforation. Three different overgloves are available for low, medium and high voltage.

- Cowhide silicone grain leather is flexible, water repellent and provides excellent mechanical protection.
- Velcro® strap closure for good maintenance.
- Protects Electrosoft gloves against mechanical risks.
- 1.1mm thickness.
- Length 31cm.

LT	MT	HT
Low voltage	Medium voltage	High voltage
2.5kV/5kV	10kV	20kV/30kV
Ref. 20 128 97	Ref. 20 128 98	Ref. 20 128 99



GLOVE INFLATOR WITH ADAPTER

FEATURES & BENEFITS

The G100 is a simple and easy to use, portable glove inflator with adapter to also inspect Class 00 and 0 and smaller gloves. To use the adapter, the glove is secured to the adapter using a nylon strap with a hook and pile closure. The adapter, with glove attached, is then placed on top of the inflator to be inflated for inspection. Ref.: G100



GLOVES BAGS

FEATURES & BENEFITS

Salisbury glove bags are constructed of heavy duty canvas duck and are double stitched at stress points for extra durability. Canvas bags feature a snap hook for hanging on work belts. Bags feature tapered gussets with wide opening tops for easy insertion.

Cat. No.	Glove Length in. (mm)	Dimensions in (mm)	Weight lbs. (kgs)
GB114	14 (356)	9" X 16" (229 X 406)	1 (.5)
GB116	16 (406)	9" X 18" (229 X 457)	1.2 (.6)



ATTENTION: TO REMAIN EFFECTIVE, INSULATING GLOVES MUST BE USED ACCORDING TO THE FOLLOWING RULES.

Storage: gloves are delivered in a UV resistant plastic bag suitable for transport and storing. Store the gloves in a dry and dark place at a temperature between 10°C and 21°C; do not compress, fold or store in proximity to sources of heat, light or the ozone.

Verification: before each use, conduct a visual examination and check the glove by inflating it. Any puncture or perforation makes the glove unusable.

Warnings: Do not expose the gloves with chemicals or solvents that may cause deterioration, for example oil, grease, turpentine, white spirit, paraffin or any strong acid. Do not use the glove when damp.

Cleaning: With soap and water. Dry below 65°C with ambient humidity.

Labelling: The date of the electrical test carried out at the end of production and the batch number is printed on each glove bag to ensure product traceability.

Pro-Wear Arc Flash Gloves

PRO-WEAR® ARC FLASH GLOVES

FEATURES & BENEFITS

SALisbury PRO-WEAR® Arc Flash Gloves are available in ATPV ratings of 12 to 100 cal/cm²*. These gloves are sewn with Nomex® thread. All gloves are made with arc rated material.

All Arc Flash Gloves are 14" long and designed in a cleft cut style.

One size fits most.

CAT. No.	Description
AFG11	12 cal/cm ² , Navy blue
AFG20	20 cal/cm ² , Navy blue
AFG31	31 cal/cm ² , Royal blue
AFG40	40 cal/cm ² , Gray



Caution: Arc Flash Gloves do not provide electrical protection.

Do not use when insulating rubber gloves are required.

*Important : NFPA 70E does not have a Hazard Risk Category above 40 cal/cm². Working on levels above 40 cal/cm² should be avoided because of the blast hazards caused by arc flash.



AFG20



AFG40



Dielectric Footwear and Switchboard Matting

ASTM DIELECTRIC FOOT WEAR

FEATURES & BENEFITS

ASTM Dielectric Footwear - 100% TESTED TO 20KV - Salisbury's ASTM dielectric footwear is 100% waterproof and made from premium grade, ozone resistant rubber. The flexible hand-layered construction includes a durable, nylon lining for easy on/off. The sole has a durable construction with a non-skid, bar tread outsole. The attached buckle and hardware is nonmetallic. All of Salisbury's ASTM Dielectric Footwear conforms with ASTM F1117 and is 100% tested to the electrical hazard requirements of ASTM F1116 at 20,000 volts.

Cat. No.	Description	Sizes	Weight PR lbs. (kgs)
21406	14" 1 Buckle overboot	Whole sizes 7 - 17	5.0 (2.3)
51511	Bob sole - non-buckle overshoe	Whole sizes 7 - 16	3.3 (1.5)
51512	Bob sole - 2 buckle overshoe	Whole sizes 7 - 16	4.4 (2)

Note: When ordering, add size as suffix to part number. Be sure to add a space between the part number and size. Example: 51511 7

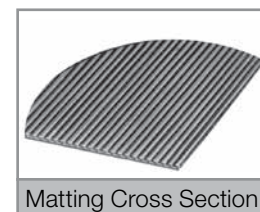


SWITCHBOARD MATTING

FEATURES & BENEFITS

Switchboard Matting is placed permanently in front of switchgear, motor control centers and other high voltage apparatus to provide an additional level of protection for electrical workers Switchboard matting is made from 1/4" (6.4 mm) thick and tested to 20kV to comply with ASTM D178, Class 2 specifications The corrugated surface acts as a safety tread while reducing the possibility of metal particles becoming embedded Class 2, switchboard matting is made in 25 yard rolls which can be custom cut to specified lengths as per customer request Class 4 is sold in full 60' rolls only.

Cat. No.	Dimensions in. (mm)	Weight PR lbs. (kgs)
M36-2	1/4 x 36" (6 x 914)	15 (6.8)



Hot Sticks

INSULATED RESCUE HOOK

FEATURES & BENEFITS

Salisbury's insulated rescue hook is an invaluable tool for any workplace. It is used to release a victim from contact. Confined spaces, in vaults, or just near electrical cabinets and switch gear are some of the places where this tool is a must. Insulated rescue hooks feature a foam-filled, fiberglass reinforced handle for superior electrical insulation and a coated, heat treated body hook with an 18" opening and are made in accordance with ASTM Standard F711. The stick is available in the standard lengths of 6 and 8 feet. Other lengths are available as a special order. Contact us with your requirements.

CAT. No.	Dimensions ft. (m)	Weight lbs. (kgs)
24401	6' (1.8) Length	4.5 (2)
24403	8' (2.4) Length	5.5 (2.5)

Static Discharge Stick - The Static Discharge Stick is designed to safely remove the static charge after de-energizing. This tool is pre-assembled and includes a brass alloy "U" hook, closed cell foam-filled tubular fiberglass switch stick made in accordance with ASTM Standard F711. Static discharge sticks have 6 feet of copper grounding cable attached to a Salisbury 1814 flat jaw, grade 3, bronze serrated clamp with strain relief.

CAT. No.	Description	Cable Length ft. (m)	Weight lbs. (kgs)
20817	Static discharge stick 4' (1.2m) length	6 (1.8)	8 (3.6)
22629	Static discharge stick w/ universal attachment 1' (0.3m) length	6 (1.8)	38 (0.17)

Tool Holder SALCOR® - Tool Holders secure tools to trailers, compartments and tool rooms. Great for holding rescue hooks and static discharge sticks. 12 per package.

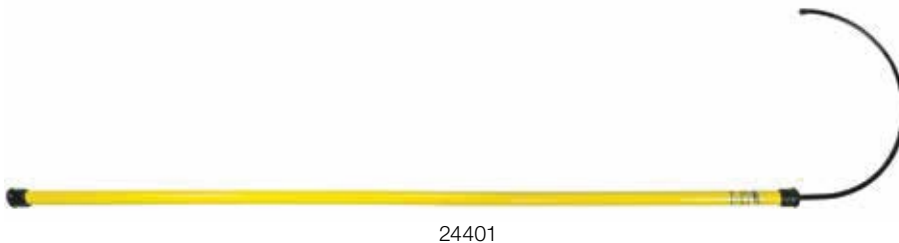
CAT. No.	Description	Weight lbs. (kgs)
1192	1.25 (32 mm) I.D. Tool holder	3.5 (1.6)

24401 Rescue Hook
(Shown with Tool Holder)

22629 STATIC DISCHARGE STICK
W/ UNIVERSAL ATTACHMENT



20817





Hot Sticks

EXTERNAL ROD CLAMPSTICKS

FEATURES & BENEFITS

External Rod Clampsticks External rod clampsticks are constructed of closed cell foam-filled tubular fiberglass in accordance with ASTM standard F711. The hook operating rod, made of solid 3/8" (9.5 mm) diameter fiberglass, is mounted on the exterior of the tool so that it can be easily wiped down prior to use.

- Tough thermoplastic head ferrule.
- EZ Grip plastic hand grip.
- Wide opening 15/16" (23.8mm).
- Stainless steel hook.
- Heavy rubber end cap.

Cat. No.	Length ft (m)	Sizes	Weight EA. lbs. (kgs)
4010	8' 8" (2.54)	Whole sizes 7 - 17	6.2 (2.8)

4007



9840 Splined Universal Head



SIDE OPENING HOOK

UNIVERSAL SWITCH STICKS

FEATURES & BENEFITS

Universal switch sticks are available in one, two and three sections. The sticks have a standard splined head of 1.25" diameter. They are supplied with a #9971 prong. Other lengths are available as a special order. Contact us with your requirements.

Cat. No.	Dimensions: Diameter x Length (in x ft) (mm x m)	Weight Each lbs. (kgs)
4214	1/4 x 36" (6 x 914)	3.4 (1.5)



9971 PRONG



VOLTAGE DETECTORS

FEATURES & BENEFITS

Self Testing Voltage detector Kits - Salisbury's self-testing voltage detectors allow testing to be continuous and automatic. An intermittent flash and beep confirms the detector is functioning properly.

Self-testing voltage detectors are used to verify live or de-energized conductors. These testers may be used with insulating rubber gloves or hot sticks using the splined universal end fitting. Testers indicate voltage with an extra bright LED light and a distinctive audible signal. It is recommended that the tester be moved closer to the conductor until a warning is indicated, or it touches the conductor, apparatus, or test point. Each tester includes three "C" batteries.

The need for additional PPE can be minimized by confirming that there is no electrical hazard present before work is performed. This can be determined by using a Salisbury voltage detector attached to a insulating hot stick of a length long enough to keep the worker outside of the arc flash boundary.

The Salisbury voltage detector alarms in the proximity of electric fields, so that it is not necessary to make physical contact with the equipment being checked. It is made of non-conductive materials, meaning that it will not conduct electricity nor will it cause an arc flash, even if contact with energized equipment is made.

CAT. No.	Settings
4556	1-4544 Detector 240V to 230kV, 1-21517 Case, 1-2500 clampstick adapter
4667	1-4644 Detector 240V to 500kV, 1-21517 Case, 1-2500 clampstick adapter
4769	1-4744 Detector 240V to 69kV, w/ URD test point setting 15, 25,35kV , 1-21517 Case, 1-2500 clampstick adapter



Insulated Toolkits

BASIC ELECTRICIAN ROLL

FEATURES & BENEFITS

9 pcs. Includes:

- Slotted screwdrivers: 3/16 x 4", 3/16 x 6", 1/4 x 6"
- Phillips screwdrivers: #1 x 3", #2 x 4"
- 8" Needle nose Pliers.
- 7-1/2" Diagonal cutting Pliers.
- 9" Lineman Pliers.
- Combination stripper / crimper Pliers.
- In a tool roll bag.



DELUXE MAINTENANCE TOOL KIT

FEATURES & BENEFITS

29 pcs. Includes:

- Slotted screwdrivers: 1/8 x 2", 3/16 x 6", 1/4 x 4"
- Phillips screwdriver: #1 x 3", #2 x 6"
- Torque Wrench 3/8" drive 10" Long 30-150 In/Lb
- 3/8" Drive reversible ratchet.
- 3" and 6" Extensions, 3/8" drive, 4nm -23nm
- 8 pcs. 3/8" to 13/16" Deep 12 pt. Socket set, 3/8" drive
- 8 pcs. 3/8" to 13/16" Box end wrench set.
- 7-1/2" Diagonal cutting Pliers.
- 8" Needle nose Pliers.
- 9" Lineman Pliers.
- Mini flashlight.
- In a high impact plastic tool box.



DELUXE MAINTENANCE TOOL KIT

FEATURES & BENEFITS

30 pcs. Includes:

- 9" Lineman Pliers.
- 8" HD slip joint Pliers with cutting shear.
- Crimping tool.
- 10" Tongue and groove Pliers (waterpump).
- Slotted screwdrivers: 3/16" x 4", 1/4" x 4", 1/4" x 6", 5/16" X 6", 3/8" x 8", 3/16" x 6"
- Phillips screwdrivers: #1 x 3", #2 x 4"
- Nut drivers: 1/4" x 3", 5/16" x 3", 3/8" x 3", 7/16" x 3", 1/2" X 3", 3/16" x 3", 11/32" x 3"
- 8" Long needle nose Pliers with side cutter.
- 7" Box joint cutting Pliers.
- 9-1/2" Pliers cutting Pliers.
- 12" Tong and groove (waterpump).
- 6" Flat nose Pliers.
- Long arm, type "t" hex wrenches: 3/16" 6", 1/4" 6", 5/16" 6", 3/8" 6", 7/16" 6", 1/2" 6"
- In a high impact plastic tool box.



Insulated Toolkits

HOT BOX TOOL KIT WITHOUT TORQUE WRENCH

FEATURES & BENEFITS

59 pcs. Includes:

- Slotted screwdrivers: 1/8 x 2", 3/16 x 4", 3/16 x 6", 1/4 x 6", 5/16 x 6"
- Phillips screwdriver: #2 x 4", #2 x 8"
- Nutdrivers: 3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2
- Reversible ratchet, 3/8"dr
- 3" and 6" Extensions, 3/8"dr
- 10 pcs 5/16" to 7/8", 3/8"Dr socket set
- 11 pcs 3/8" to 1" Box end wrench set
- 14 pcs. 1/16" to 1/2", 6" Long arm, type "L" hex wrench set
- 7-1/2" Diagonal cutting Pliers
- 8" Needle nose Pliers
- 9" Lineman Pliers
- 9-1/2" Cable cutting Pliers
- 10" Water pump Pliers
- Combination stripper / crimper Pliers
- In a plastic box, including tool pouch rolls



OPEN END WRENCH SETS

CAT. No.	Description
S241818	17 pcs. 7mm - 24mm, In a tool roll bag



BOX END WRENCH SETS

CAT. No.	Description
S241818-B	17 pcs. 7mm - 24mm, In a tool roll bag



HEX WRENCH TYPE "L" SET

CAT. No.	Description
S2610614	12 pcs 1.5mm - 17.0mm Long arm



Notes

Notes

Lead them to safety – Build an enduring culture of safety through comprehensive education, innovative technologies, and comfortable, high-performance products that inspire workers to make safer choices on their own. Honeywell Industrial Safety is the ideal partner for organizations committed to a cultural transformation that minimizes injuries and maintains a safer, more productive workplace.

HONEYWELL INDUSTRIAL SAFETY LOCAL CONTACTS

UNITED KINGDOM

Phone: +44 (0) 1256 693 200
Fax: +44 (0) 1256 693 300
Email: info-uk.hsp@honeywell.com

FRANCE

Phone: +33 (0)1 49 90 79 79
Fax: +33 (0)1 49 90 71 04
Email: info-france.hsp@honeywell.com

BELGIUM

Phone: +32 (0)2 728 2117
Fax: +32 (0)2 728 2396
Email: info-benelux.hsp@honeywell.com

THE NETHERLANDS

Phone: +31 (0) 118 656 400
Fax: +31 (0) 118 627 535
Email: saleshspb@honeywell.com

GERMANY

Phone: +49 (0) 451-702740
Fax: +49 (0) 451-798058
E-Mail: infogermany.hsp@honeywell.com

SPAIN – PORTUGAL

Phone: +34 91 6764521
Fax: +34 91 6770898
Email: info-spain.hsp@honeywell.com

ITALY

Phone: +39 0382 812111
Fax: +39 0382 84113
Email: info-italia.hsp@honeywell.com

NORDIC

Phone: +46 42 88 200
Fax: +46 42 73 968
Email: info-nordic.hsp@honeywell.com

POLAND

Phone: +48 12 656 57 31
Fax: +48 12 656 14 54
Email: info-poland.hsp@honeywell.com

HUNGARY

Phone: +36 1 451 44 04 (4376, 4393)
Fax: +36 1 451 43 43
Email: info-hungary.hsp@honeywell.com

MIDDLE EAST

Phone: +971 4 450 5800
Fax: +971 4 450 5900
Email: hsp-meai@honeywell.com

INDIA

Phone: +91 124 6722732 / 6722833
Fax: +91 124 4752750
Email: HSP-India@honeywell.com

RUSSIA – CIS – MONGOLIA

Phone: +7 495 980 9910
Fax: +7 495 796 9800
Email: info-russia.hsp@honeywell.com

INTERNATIONAL

Phone: +33 (0)1 49 90 79 79
Fax: +33 (0)1 49 90 71 04
Email: info-export.hsp@honeywell.com

