



**Imen Sanat Pars Co.**  
شرکت ایمن صنعت پارس



# SAFETY



**Personal Protective Equipment**

Catalogue 2016/2017

[www.imensanatpars.com](http://www.imensanatpars.com)

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BY IMEN SANAT PARS



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# HEAD PROTECTION



# HEAD PROTECTION



**MAX II**

## MATRIX Safety Helmet 5000 series

5001R White	5005R Red
5002R Yellow	5006R Grey
5003R Blue	5007R Orange
5004R Green	



Sturdy shell made of UV-resistant HDPE or ABS material

ventilation hole for circulation air/ in warm weathers

30mm accessory slot to pair with aftermarket face & hearing protection

Available in 7 shell colors- white, yellow, hi-vis yellow, orange, red, green & blue

Large print area on front for logo printing

the suspension of this helmet is with 6 bands and its ratchet type.



- Swivel design for proper adjustment
- EAP (energy absorbing point) each point
- Textile material on the suspension
- Easy PUSH lock or TWIST lock button for tight adjustment



EN 397: 2012 **CE**



# HEAD PROTECTION



## MAX III



### MATRIX Safety Helmet 6000 series

- 6001R White
- 6002R Yellow
- 6003R Blue
- 6004R Green
- 6005R Red
- 6007R Orange

Sturdy shell made of UV-resistant HDPE or ABS material

Embedded with adjustable ventilation valves offer versatile working environment

30mm accessory slot to pair with aftermarket face & hearing protection

Available in 7 shell colors- white, yellow, hi-vis yellow, orange, red, green & blue

Large print area on front for logo printing



the suspension of this helmet is with 6 bands and its ratchet type.

- Swivel design for proper adjustment
- EAP (energy absorbing point) each point
- Textile material on the suspension
- Easy PUSH lock or TWIST lock button for tight adjustment



EN 397: 2012 CE



# HEAD PROTECTION



**MSA**

**V-Guard**

Four suspension options  
20+ standard colors and custom color options  
Cap sizes: small (6 - 7 Ys"), standard (6Yi - 8"), large (7 - 8 Yi")  
Polyethylene shell provides superior impact protection  
Self-adjusting crown straps ensure a comfortable fit



**JACKSON**  
SAFETY EQUIPMENT

**SC16**

Comfortable, 4-point pinlock & ratchet suspension with height adjustment  
Short brim for better upward visibility  
Slots for accessory attachment  
Replaceable brow pad and vented hard hat option  
Optional 6-point strap available



**Matrix**  
Safety Industrial

**Cap Safe**

MATRIX bump cap  
Velcro on fit adjustment  
Thermo formed foam cushion  
ABS on shell material  
Long hood for greater usage  
Cotton/Polyester material for sweat absorber



# HEAD PROTECTION



## SCHUBERTH

### Ben

- Dimensionally stable at high temperatures
- High penetration resistance and impact strength
- High lateral rigidity
- Insensitive to chemicals
- High ageing stability (long service life)
- Optimal fit through 3 helmet shell sizes
- High wearing comfort and secure fit through ergonomically formed, height-adjustable suspension



## SCHUBERTH

### Bop Energy 3000

- For use in work under voltage or in the vicinity of parts under voltage of up to AC 1000 V or DC 1500 V (acc. to DIN EN 50365)
- Dimensionally stable at high temperatures
- Protection from accidental arcing
- High lateral rigidity
- Insensitive to chemicals
- Improved force absorption in the event of side impacts through special padding strips (closed-cell)
- Electrical insulation acc. to DIN EN 397
- Conducts a maximum of 1.5 mA at 3000 V into the inner shell
- High wearing comfort and secure fit through ergonomically formed, height-adjustable suspension



## 3M™ Safety Helmet H-700 Series



- The 3M™ safety helmet H-700 is comfortable but tough. Designed with a low profile for improved stability and performance, the H-700 series is engineered to provide

#### Suspension

- Comfortable 4 point pin-lock or ratchet suspension with height adjustment or an optional 6 point strap



# HEAD PROTECTION



## A69 & A69R/ A79 & A79R



- Versatile and dependable design, with grooved HDPE out shell, rain trough and accessory slots
- Hard Cap with rain trough and HDPE outer shell
- 4-point (A69 SERIES), 6-point (A79 SERIES) nylon pin-lock or ratchet suspension

the suspension of this helmet is with 6 bands and its ratchet type.



EN 397: 2012

### M1 VT Chin Strap

Elastic adjustable strap with chin cup and clip or hook, easy installing, one size fits all



## Gladiator II Hard hat

Meets ANSI Z89.1-1997 Type I Class E

- Also ANSI approved for use with suspension system reversed!
- Six-point Reflex™ suspension technology with 1" nylon webbing to disperse impact force
- Available in orange, white, blue, green, yellow, red, hi-viz green, and hi-viz orange

### Gladiator II® Hard Hat

The Gladiator® Hardhat features the most rigid UV resistant shell available and a patented six-point ratchet suspension. The Gladiator's unique Re-Flex™ suspension technology effectively distributes and absorbs impact force. The suspension system also features our Cool Guard™ self-wicking brow pad, unique ratchet pad and extra-low nape strap for an ultimately secure and comfortable fit. Standard slots are available to accept most accessories. The Gladiator® is offered in eight color choices and fits head sizes 6 to 9.

- Modern styling engineered for maximum user acceptance
- Standard slots accept most accessories
- Locking padded ratchet and Cool-Guard™ brow pad
- Exceptional comfort
- The industry's lowest nape strap for extra secure fit
- Unique shell molded for superior rigidity and UV protection



EN 397: 2012







# FACE PROTECTION



# FACE PROTECTION



## PC FACESHIELD

- Flexible clear faceshield
- Size 8 \* 15.5 \* 0.04 inches
- Thickness : 1.0 mm
- Meets Z87.1+ standard
- Code No : 30000 H& 30010 C



# FACE PROTECTION



## FACE SHIELD WELDING

### HEAD GUARD

Code No: 30000H

- Lightweight and unique design
- Fits over most face shield
- Ratchet adjustment headgear
- 7-position harness strap adaptable to any head size
- 3-position crown angle-adjustment
- Meets ANSI Z87.1+ Standard



### FACE GUARD

- Highimpact curvy shape poly carbonate visor, It absorbs 99.9 % UV
- Fits with most headgear
- Available in uncoated, gold mirror and Green IR-Shade 3.0 & 5.0
- Thickness:2.0mm
- Meets ANSI Z87.1+ Standard



30040GD



30010C



IR3 30020G

IR5 30030G

# FACE PROTECTION



**Speedglas™**

**3M™ SPEEDGLAS™ WELDING HELMET 100 SERIES**

Appropriate for most arc welding processes, including Stick, MIG/MAG and high amp TIG welding.

Switching speed (light to dark) of <math><0.1\text{ ms}</math>.



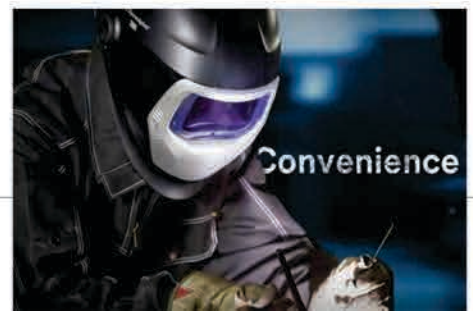
Meets the requirements of CSA Z94.3 and the high impact requirements of ANSI Z87.1 - 2003.

3M™Speedglas™Welding Filter 100V: Five adjustable dark shades 8-12 and a light shade of 3. Three sensitivity settings.

The Speedglas welding helmet 100 is compatible with select 3M™Disposable Welding Particulate Respirators.

3M™Speedglas™Welding Filters 100S-10 and 100S-11 have dark shades of 10 and 11, respectively, and a light shade of 3.

Dark shade can be increased to 13 or 14 using upgrade plates.



# FACE PROTECTION



## SLOTTED CAP FRAME

- Lightweight design
- Engineered with dielectric materials
- Fits most hard-hat
- Meets ANSI Z87.1+ Standard

Model : Attacher

Code No :30040B

# FACE PROTECTION



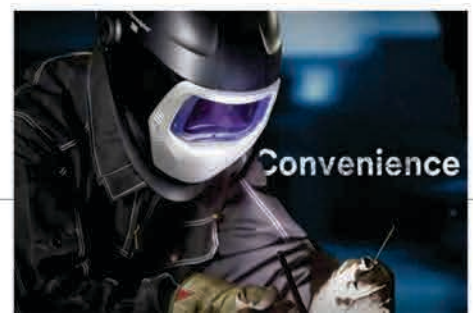
WP96XCAL



- Aluminized/shade C polycarbonate wide window
- Same as the aluminized clear window, but with a dark green tint for greater glare reduction .
- Designed for bright, high-heat, furnace-type application

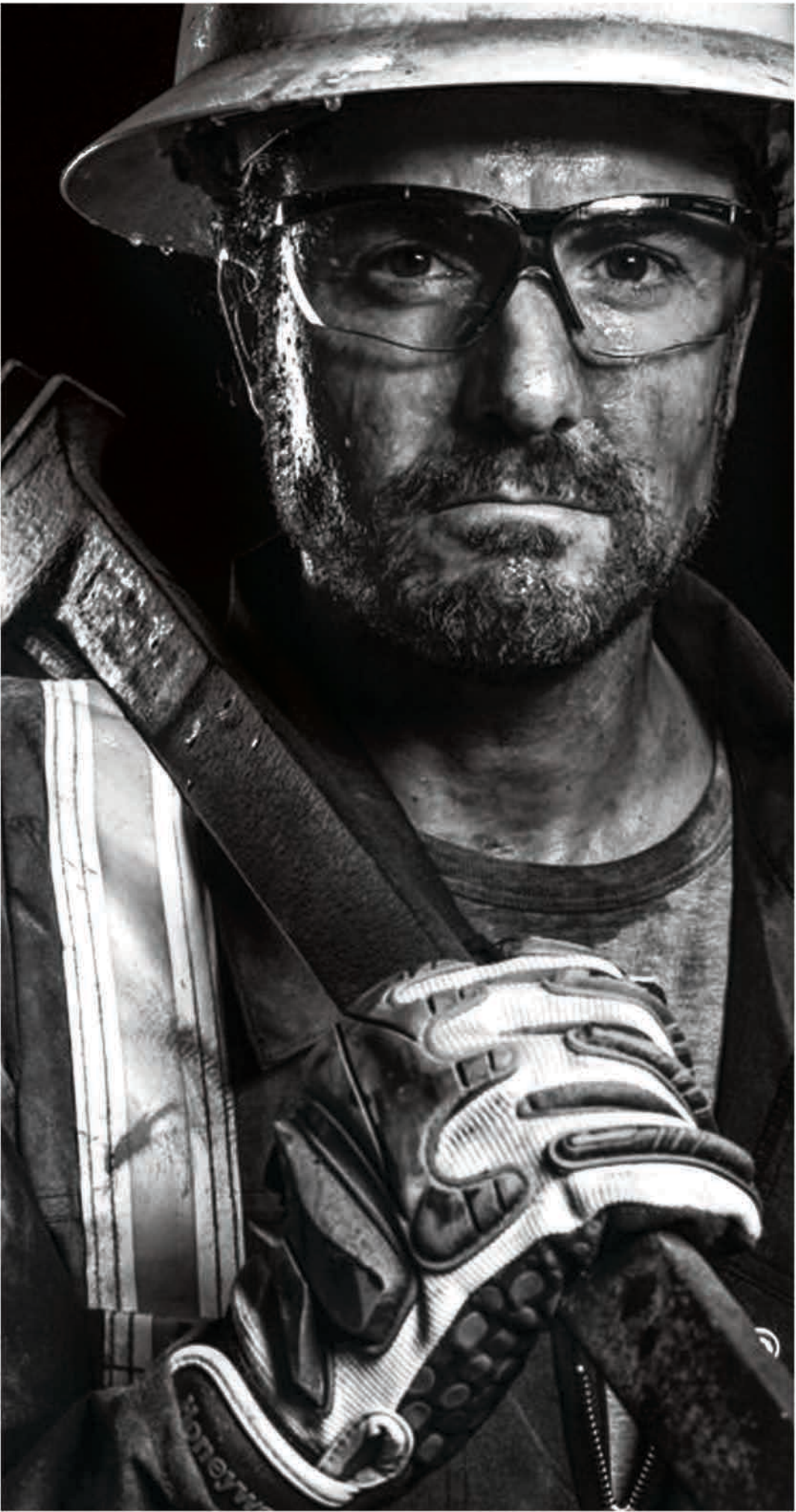
WP96CAL

- All easy-change shield mount quickly to 3M headgear without tools, snaps or cams
- 0.080" thickness great for bright, high heat furnace type operations
- Windows mount inside crown for added support
- Protects against impact from flying particles





# EYE PROTECTION



# EYE PROTECTION



## i-FIT

- Offer excellent coverage
- 99.9% UV Protection
- With cord and pouch



Single-piece lens that will fit most faces

Wrap-around protective eyewear offering exceptional comfort, protection and fit

Features with soft nose bridge and spring hinge

Model : i-fit  
Code No : 100110

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



## VOLUNTEER

- Economical & compact
- Also Available in welding shade IR 3.0 and IR 5.0
- 99.9% UV Protection
- With cord



Pantoscopic adjustment- allow lens angle modification

Adjustable temple length- fulfill different face contours

Fits over most prescription eyewear

Model : Volunteer  
Code No : 70100

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



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# EYE PROTECTION



## X-VISION

- Offer excellent coverage
- 99.9% UV Protection
- With cord



Model : X-vision  
Code No : 180100 Clear Lens  
180110 Smoke Lens

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



## ALPHA

- 99.9% UV Protection
- With cord



Model : Alpha  
Code No : 60100 Clear Lens  
60110 Smoke Lens

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



**SAFETY  
EYEWEAR**

planning your protection



# EYE PROTECTION



## PIONEER

- Smooth and hassle-free lens replacement
- 99.9% UV Protection
- With cord



Model : Pioneer  
 Code No : 120100 Clear Lens  
 120130 Brown Lens

Meets ANSI Z87.1 and EN 166 standard  
 Anti Fog - Anti Scratch Lens



## GENESIS

- 99.9% UV Protection
- With cord



Model : Genesis  
 Code No : 170100 Clear Lens  
 170110 Smoke Lens  
 170115 Green Lens



Meets ANSI Z87.1 and EN 166 standard  
 Anti Fog - Anti Scratch Lens

# EYE PROTECTION



## i-MAX

- 99.9% UV Protection
- With cord and pouch



Model : i-MAX

Code No : 80110 Clear Lens  
80130 Brown Lens

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



## ADVANTAGE

- 99.9% UV Protection
- With cord



Model : Advantage

Code No : 160100 Clear Lens  
160110 Smoke Lens

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



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# EYE PROTECTION



## SPOFIT

- Modern and stylish design
- 99.9% UV Protection
- With cord and pouch

Soft temple rubber to fit different head profile



Nose pad made of soft material for extra comfort and avoid slippage

Sturdy poly carbonate frame

Model : Spofit  
Code No : 110110 Smoke Lens

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



## LOYAL

- Available in polarized brown and smoke lens
- Soft temple slot to fit different head profile
- 99.9% UV Protection
- With cord and pouch

Maximum UV protection



Anatomically shaped nose adapt to all face

Dual-injected rubber will not peel off easily

Extended frame provides excellent coverage

Model : Loyal  
Code No : 90100 Clear Lens  
90110 Smoke Lens  
90130 Brown Lens



Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens

# EYE PROTECTION



## CENTURY



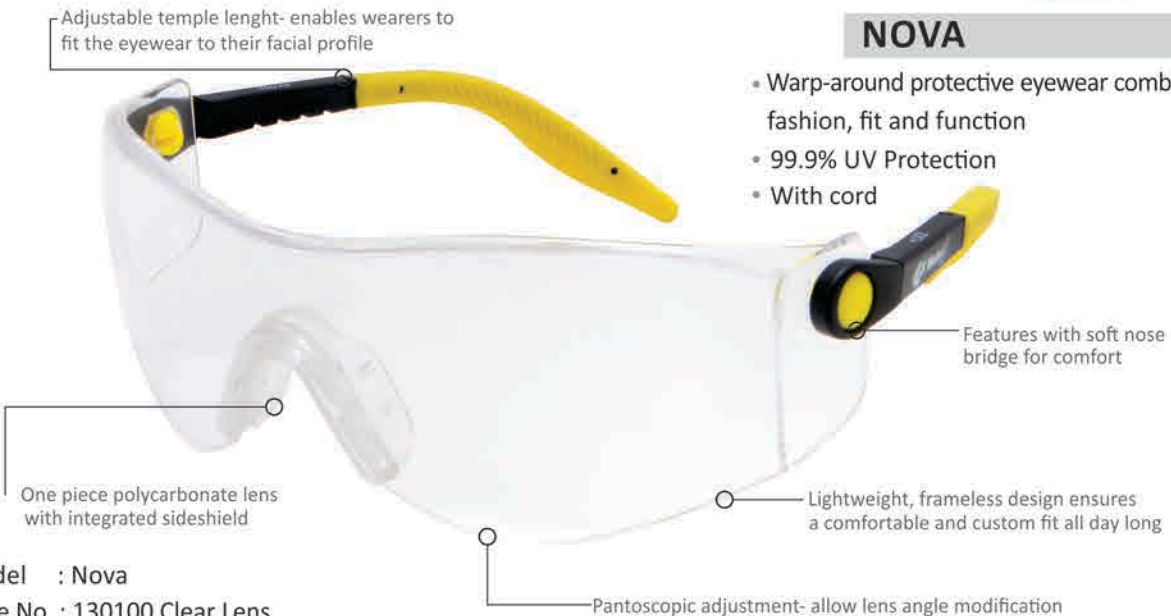
- 99.9% UV Protection
- With cord

Model : Century  
 Code No : 50100 Clear Lens  
 50110 smoke Lens

Meets ANSI Z87.1 and EN 166 standard  
 Anti Fog - Anti Scratch Lens



## NOVA



- Warp-around protective eyewear combining fashion, fit and function
- 99.9% UV Protection
- With cord

Model : Nova  
 Code No : 130100 Clear Lens  
 130110 Smoke Lens

Meets ANSI Z87.1 and EN 166 standard  
 Anti Fog - Anti Scratch Lens



# EYE PROTECTION



## MONTANA

- Lightweight, frameless design ensures a comfortable and custom fit all day long
- 99.9% UV Protection
- With cord



Model : Montana

Code No : 140100 Clear Lens

140110 Smoke Lens

140125 Amber Lens

Meets ANSI Z87.1 and EN 166 standard

Anti Fog - Anti Scratch Lens



## GALAXY

- Exceptional comfort, protection and fit
- 99.9% UV Protection
- With cord



Model : Galaxy

Code No : 30100 Clear Lens

30110 Smoke Lens

Meets ANSI Z87.1 and EN 166 standard

Anti Fog - Anti Scratch Lens



# EYE PROTECTION



## SATURN

- 99.9% UV Protection
- With cord

Model : Saturn  
Code No : 10115 # 3  
10115 # 5



Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



## SATURN

- 99.9% UV Protection
- With cord

Model : Saturn  
Code No : 10100



10115 # 3  
10115 # 5

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens





# EYE PROTECTION



## SNIPER



- Lightweight, frameless design ensures a comfortable and custom fit all day long
- 99.9% UV Protection
- With Cord

Elegant & futuristic invention

Rubber nose pad provides comfort and protects against slipping

Light weight design ensures comfortable & custom fit all day long

Model : Sniper  
Code No : 20110

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



## MARS



- Exceptional comfort, protection and fit
- Wrap-around protective eyewear combining fashion, fit and function
- 99.9% UV Protection
- With Cord

One piece polycarbonate lens with integrated sideshield

Features with soft nose bridge for comfort

Pantoscopic adjustment- allow lens angle modification

Adjustable temple length- enables wearers to fit the eyewear to their facial profile

Lightweight, frameless design ensures a comfortable and custom fit all day long

Model : Mars  
Code No : 40100 Clear Lens  
40110 Smoke Lens



Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens

# EYE PROTECTION



## TOPSAFE

- 99.9% UV Protection



Model : Topsafe  
Code No : 180500

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



## VICTORY

- 99.9% UV Protection



Model : victory  
Code No : 180400

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



# EYE PROTECTION



## MONO GOGGLE

Wide vision goggle provides 180° panorama view



- Indirect ventilation to prevent fogging
- Able to withstand extreme temperatures
- 99.9% UV Protection

Optional embroidered headband

Designed to give optimum fit to all facial contours

Easy 4-steps lens replacement

Ergonomically design with co-injected frame

Model : Mono goggle  
Code No : 180300

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



## SOLE

Wide vision goggle provides high levels of comfort and maximum protection



- Designed to give optimum fit to all facial contours
- 99.9% UV Protection

Optional embroidered headband

Comfortably fits over most spectacles

Model : Sole  
Code No : 180100

Warp-around modern style provides excellent panoramic vision

Fitted with indirect ventilation

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens

# EYE PROTECTION

**NORTH**

by Honeywell

## TORNADO



- Single-lens design appears as dual lenses that warp around in a tight face-fitting 9-base curve.
- The tough polycarbonate lens offers maximum peripheral vision, unparalleled impact resistance and 99.9 % UV protection
- Adjustable temple
- 4A coating: anti-fog, anti-scratch, anti-UV 99.9 % & anti-static

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



**NORTH**

by Honeywell

## N-VISION



- One piece lens
- Adjustable temples
- Regular curved & straight end temples included
- A4 coating: anti-fog, anti-scratch, anti-UV 99.9 % & anti-static

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



# EYE PROTECTION



## 3M™ Maxim™ Comfort line Spectacles

### Features and Benefits:

#### Style

- Stylish and modern design

#### Premium Protection

- Patented aspherical lens for excellent coverage and field of view
- Ventilation channel across the lens to minimise misting



#### Comfort

- Soft, adjustable nosebridge
- Dual-injected cushion browguard for extra comfort and shock absorption
- Adjustable length temples
- with pantoscopic system



#### Compatible with

- Ballistic version is specially designed for improved compatibility with other PPE e.g. with 3M™ Pelter™ Earmuffs X Series



# EYE PROTECTION

**JACKSON**  
SAFETY GEAR



## Nemesis

- Lightweight construction and soft touch temples
- Single warp-around lens offers protection from sides and front.
- Available with a variety of different lens tints.
- Free neck card included with every pair.
- 99.9% UV Protection
- With cord

Meets ANSI Z87.1 and EN 166 standard  
Anti Fog - Anti Scratch Lens



## ....STANDARD....

### ANSI/ISEA Z87.1 & EN.166 -2015 Standard

ANSI/ISEA Z87.1 & EN.166 -2015 prescribes the design, performance specifications, and marking of safety eye and face products, including millions of safety goggles, spectacles, faceshields, and welding helmets, worn by workers in thousands of manufacturing and processing facilities, university and research laboratories, and other occupational settings.

### LENS MARKING

#### Symbols:

P: Manufacturer's mark  
Z 87:ANSI standard for Eye and Face protection devices  
+:High Impact  
H:Small Head Size  
S:Special Purpose  
W:Welding Filter

#### UV Filter Transmittance:

U2: Max Effective Far UV= .1% / Max Near UV= 3.7%  
U2.5: Max Effective Far UV= .1% / Max Near UV= 2.3%  
U3: Max Effective Far UV= .07% / Max Near UV= 1.4%  
U4: Max Effective Far UV= .04% / Max Near UV= .5%  
U5: Max Effective Far UV= .02% / Max Near UV= .2%  
U6: Max Effective Far UV= .01% / Max Near UV= .1%

#### Visible Light Filters:

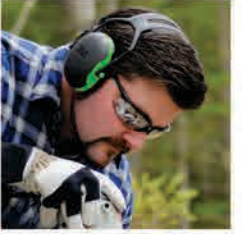
L1.3: 85% Max. Visible Light  
L1.7: 55% Max. Visible Light  
L2.5: 29% Max. Visible Light  
L3: 18% Max. Visible Light

### FRAME MARKING

#### Symbols:

P: Manufacturer's mark  
Z87: ANSI standard for Eye and Face protection devices  
+: High Impact  
P Z87 + / P c SEI CAN/CSA Z94.3-07:  
CAN/CSA for protection devices





# HEARING PROTECTION



# HEARING PROTECTION

Products are developed for all environments where high safety  
Must be communication.  
Shop and industrial environments ,construction sites  
agriculture and forestry are a few examples.





# HEARING PROTECTION



## NEXTERA Premium Earmuffs



**3006**  
**NRR 30**

- Our Flagship earmuff features TASCOS signature pillow head pad and soft-seal ear cushions .
- The nextera has a plated steel head band that provides low but even pressure making this muff the most comfortable 30 NRR on the market today.

### NEXTERA® Features

- Dual plated steel headband provides low, even pressure for all day wearability
- Extremely lightw eight, but heavy duty construction
- Soft-Seal™ ear cushions ensure maximum acceptance and comfort
- Sewn, foam filled head pad for all day comfort
- The Nextera® is the highest rated earmuff from an independent testing facility
- Meets CSA Class A(L)

### Technology

Unique ribbed cups provide highest attenuation with significantly lighter weight than the competition.



### Style

Attractive polished cross pattern with recessed high-gloss button logo and color matched face plate.



### Comfort

Our signature sewn "pillow" head pad is super soft and extremely durable.



# HEARING PROTECTION



## GOLDEN EAGLE Premium Earmuffs



**2950**  
**NRR 29**

Rated #1 by the USAF The Golden Eagle combines an ultra-soft head pad, Soft-Seal™ ear cushions, low headband force and a dual suspension stainless steel headband to produce a comfort level that you would not believe possible in a muff this effective.

### GOLDEN EAGLE

#### Features

- Top performer in US Military and private independent testing
- Outstanding full spectrum attenuation
- Two point stainless steel headband for even pressure distribution and long life
- Very low headband force assures maximum comfort
- Soft-Seal™ ear cushions provide maximum acceptance and comfort
- Foam filled head pad for all day comfort
- Also available in Hi-Viz green
- Meets CSA Class A(L)



**2951**  
**NRR 26**

- Cap mounted
- Two point stainless steel suspension for even pressure distribution
- Soft-Seal™ ear cushions combined with very low pressure for maximum comfort and acceptance
- Convenient stand-off and storage positions, with tension adjust feature
- One mounting bracket fits all major slotted hard hats
- CSA Class A



**2953**  
**NRR 27**

- Folding design
- All stainless steel headband for long life
- Very low headband force and Soft-Seal™ cushions maximize comfort and performance
- Outstanding attenuation
- CSA Class A



# HEARING PROTECTION



## SOUND STAR Premium Earmuffs

The Sound Star delivers exceptional performance and comfort using the same premium headband and cushions as the Golden Eagle. Low profile design and high comfort help increase worker acceptance.



**2550**  
**NRR 25**



KidSafe version available in eight color choices!

### Sound Star

#### Features

- Even four point pressure distribution combined with Soft-Seal™ ear cushions provide long lasting comfort and very little squeeze
- Spring stainless steel headband Premium components for long life
- Also available in hi-viz green, yellow, or black
- Smaller headband on Sound Star “KidSafe” model fits children comfortably without slipping or twisting
- CSA Class A



**2551**  
**NRR 24**

- Cap mounted
- Two point suspension, very low band force and Soft-Seal™ ear cushions for unsurpassed comfort and fit
- Low profile
- Stainless steel arms for durability
- Convenient stand-off and storage positions with tension adjust feature
- One mounting bracket fits all major slotted hard hats
- Also available in Hi-Viz green, yellow, or blue
- CSA Class A



**2552**  
**NRR 23**

- Neck band earmuff
- Low profile stainless steel band and ear cups are manufactured from the highest quality materials for consistent performance and long life
- Ultra-soft, premium quality Soft-Seal™ ear cushions provide the richest “feel” and highest comfort level possible
- Two point suspension and low band force provide maximum comfort and long term wearability
- Also available in Hi-Viz green, yellow, or black
- CSA Class B



**2553**  
**NRR 23**

- Folding design - Ultra compact
- All stainless steel headband for long life
- Very low headband force and Soft-Seal™ cushions maximize comfort and performance
- Premium components and materials
- Also available in Hi-Viz green, yellow, or black
- CSA Class B

# HEARING PROTECTION



## Optime I - (Optime 98) - H9 Series



- Lightweight
- Ideal for environments including factories, sheet metal works, schools, printing and textile operations and power equipment
- Dual low-pressure bands for improved comfort
- Broad foam cushions provide low surface pressure
- Ideal for noise levels up to 98dB



## Optime II - (Optime 101) - H7 Series



- Ear cup pivot points that tilt for optimum comfort and efficiency
- Liquid/foam filled earmuff cushions
- Color-coded for compliance sighting
- For noise levels up to 101 dB



3M™ PELTOR™ Optime™  
Foldable Headband



3M™ PELTOR™ Optime™  
Neckband



3M™ PELTOR™ Welding  
Earmuff



## Optime III - (Optime 105) - H10 Series



- Proprietary Twin-Cup design has soft, foam-filled earmuffs
- Ear cup pivot points that tilt for optimum comfort and efficiency
- Liquid/foam filled earmuff cushions
- Color-coding to help match attenuation needs
- For noise levels up to 105 dB



**PELTOR™**





## 3M™ PELTOR™ Earmuffs X Series

The 3M™ PELTOR™ Earmuffs X Series have been developed on the basis of design, comfort and attenuation techniques. This new range sets a new standard for over-the-ear protection. The 3M™ PELTOR™ X3 earmuffs are the first of our new range of products to utilise a newly designed spacer to help improve attenuation without the need for double cup design, thus increasing the space inside the cup for greater comfort and wearability.



3M™ PELTOR™ X1 Earmuffs



3M™ PELTOR™ X2 Earmuffs



3M™ PELTOR™ X3 Earmuffs



### Features and Benefits:

#### Comfort

- Easy to adjust headband
- Electrically insulated (dielectric) wire headband with constant pressure over long wearing periods
- Twin headband design helps reduce heat build-up and provides a good fit and balance
- Earcups tilt for optimum comfort and efficiency



#### Protection

- New ear cushion foam technology for an effective acoustic seal and reliable protection
- New smart sealing ring
- Streamlined cups without compromising attenuation
- Compatible with a range of 3M eyewear and respirators (validated by internal testing)
- Also available as a helmet mounted version

#### Design

- Lightweight dual mould cups with maximum space inside to help minimise heat and moisture build up
- Integrated design for more robustness
- Colour-coded for ease of selection
- Easy to clean



# HEARING PROTECTION



## 3M™ PELTOR™ Earmuffs X Series

### Features and Benefits:

#### Comfort

- Easy to adjust headband
- Electrically insulated (dielectric) wire headband with constant pressure over long wearing periods
- Twin headband design helps reduce heat build-up and provides a good fit and balance
- Earcups tilt for optimum comfort and efficiency

#### Protection

- Unique attenuation as a result of optimum combination of specially-formulated foam featured in the earcups, cushions and the innovative spacer and cup design
- Newly designed spacer improves attenuation without excess bulk or weight
- Also available as a helmet mounted version

#### Design

- Extremely lightweight (234g)
- Integrated design for more robustness
- Colour-coded for ease of selection
- Easy to clean
- Extremely slim design providing excellent compatibility with other 3M personal protection products

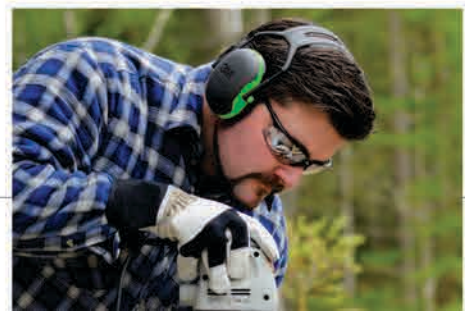
Historically higher attenuating earmuffs meant larger and bulky cups, but no longer. The 3M™ PELTOR™ Earmuffs X4 can attenuate by as much as 33dB whilst maintaining a sleek, low profile aesthetically pleasing design. Using the same innovative technology the 3M™ PELTOR™ X5 remains relatively lightweight with excellent balance and wearer comfort despite the larger cups, providing a SNR of 37dB.



3M™ PELTOR™ X5 Earmuffs

3M™ PELTOR™ X4 Earmuffs

PELTOR™



# HEARING PROTECTION



**3M™ PELTOR™ LiteCom**



3M™ PELTOR™ LiteCom

With 3M™ PELTOR™ LiteCom communicating in noisy environments has been made easy – and safe. LiteCom is a tough and rugged headset designed to cope with demanding use in many different working environments. The built-in two-way radio has got 8 channels with 38 subchannels, and has a range of up to 3 km. It lets you talk hands-free and work safely regardless of harmful noise levels.

### Features and Benefits:

- Protects your hearing (SNR: 32dB)
- Built in two-way radio
- 8 channels in the PMR 446 MHz band
- 38 subchannels
- Range of up to 3 km depending on conditions
- Voice operated transmission (VOX)
- Auto power off function
- Battery status indication
- Voice guided menu system
- Also available as neckband or helmet attachment



3M™ PELTOR™ LiteCom

### Attenuation\* MT53H7A4400-EU Headband



Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.1	24.3	32.1	36.2	34.7	39.2	36.0
Standard Deviation (dB)	2.4	1.7	2.2	2.6	3.6	3.3	2.4
Assumed Protection (dB)	15.6	22.6	29.9	33.6	31.1	35.9	33.6

SNR=32dB H=33dB. M=30dB. L=23dB

# HEARING PROTECTION



## Thunder® EARMUFFS



T3 SNR 36

### FEATURES AND BENEFITS

- 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).



T2HV SNR 33



Ref.	Description	SNR
10 109 28	T1	SNR 30
10 109 29	T2	SNR 33
10 109 70	T3	SNR 36
10 158 20	T2HV	SNR 33

## Viking® MULTIPLE POSITION EARMUFFS

### FEATURES AND BENEFITS

- Adjustable headband allows wearer to select position: over-the-head, behind-the-neck or under-the-chin.
- The alternative to ear cups fitted to hard hats: compatible with hard hats, face shields, breathing masks and other PPE.
- Ventilated inner headband minimizes pressure on the head; breathes more easily in warm/humid climates.
- Non-deforming outer headband withstands rough treatment in the toughest workplaces.
- Snap-in ear cushions make replacement quick and easy.
- Elastic headband strap for better positioning.
- Dielectric construction suitable for all workplaces.
- Now with Air Flow Control™ technology.



V3 SNR 32



V1 SNR 30



Ref.	Description	SNR
10 109 25	Viking V1	SNR 30
10 111 70	Viking V3	SNR 32





# HEARING PROTECTION



## TRI-GRIP®

The Tri-Grip® combines a unique elastomer with a triangular stem for a more natural, secure grip. The earplug has three half sphere flanges which easily contour to the inner ear with virtually no pressure! The Tri-Grip® is designed for all day/ all night comfort. Available in standard size or slightly smaller Tri-Grip®JR for smaller ear canals.



**9010**  
**NRR 27**

- Spherically curved flange design gives the most comfortable fit of any reusable earplug
- Conforms to oval shape of ear
- Unique triangular stem assures full control when inserting into ear canal
- Washable - promotes worker hygiene
- No rolling or touching plug portion during insertion
- Standard and smaller "JR" size available
- Metal detectable versions
- CSA Class A(L)

Model	Description	Box Qty
9007	Uncorded in plastic cases	50
9008	Corded in plastic cases	50
9009	Uncorded in bags	100
9010	Corded in bags	100
9017	Uncorded JR in plastic cases	50
9018	Corded JR in plastic cases	50
9019	Uncorded in bags	100
9020	Corded JR in bags	100
9030	Cloth cord in bags	100
9040	Cloth cord JR in bags	100

# HEARING PROTECTION



**THERMA-SOFT 30®**



## NRR 30

- Manufactured from super-soft PVC for its unique performance characteristics
- Therma-Soft foam responds to body heat by getting softer with use
- The only foam specified by the United States Military
- Optimal “recovery time” allows for deeper insertion, more secure fit and less “backing out” which is particularly important for those with smaller ear canals. Therma-Soft 30™ provides an excellent seal for every user
- Plugs are bright orange and are available uncorded or corded - packaged in heat sealed bags
- Also available in special 50 pair dispenser pack or 400/500 pair bulk refill pack
- CSA Class A(L)

Model	Style	Box Qty
9290	Uncorded	200
9291	Corded	100
9292	Uncorded 50 Pack	50
9293	Corded 50 Pack	50
9294	Uncorded bulk 400 PR	800
9295	Uncorded bulk 500 PR	1000



## NRR 33

- Super soft and comfortable Polyurethane Foam
- Exerts very low pressure on the ear canal
- Tapered and smooth design allows for quick, easy and positive insertion
- Purple plugs and bright green cord for easy compliance checks
- Available with or without cord, packaged in heat sealed bags
- Also available in special 50 pair dispenser pack for low volume users
- Metal detectable versions available (page 15)
- CSA Class A(L)

Model	Style	Box Qty
9300	Uncorded	200
9301	Corded	100
9302	Uncorded 50 Pack	50
9303	Corded 50 Pack	50
9304	Corded Detectable	200
9305	Corded Detectable Cord	200

**S&S**



# HEARING PROTECTION

**3M**

**Cabo flex**



- Conically-shaped plugs provide a comfortable fit
- Dermatologically safe plugs are non-irritating
- Noise reduction rating (NRR) under chin 20 dB
- Noise reduction rating (NRR) behind the neck 17 dB

**3M**

**E-A-R Flex**



- Excellent attenuation in three wearing position: over-the-head, under-the-chin and behind-the-neck.
- Pivoting, hinged band provides adjustable positions for a more comfortable fit and seal.
- Dermatologically safe plugs are non-irritating
- Noise reduction rating (NRR) under chin 27 dB
- Noise reduction rating (NRR) over head 24 dB
- Noise reduction rating (NRR) behind the 24 dB

**3M**

**ULTRA Fit**



- Proprietary, premolded, triple-flange earplug design inserts easily
- Soft polymer is washable and reusable
- Durable, easy to use again and again,
- Push-to-fit products provide in-ear comfort and convenience.
- Noise reduction rating (NRR) : 25 dB.
- Available with carrying case option

# HEARING PROTECTION

HOWARD LEIGHT  by Honeywell

**SmartFit®**



SNR 30

- A revolution in terms of fit.



Ref.	Description	Packaging
10 112 39	Corded	Box of 50 pairs, case of 500 pairs

## FEATURES AND BENEFITS

- CMT technology: malleable material that utilizes body heat to adapt to the shape of the ear canal.
- Superior comfort and an individual fit.
- Simplified inventory control - a single product fits almost every user.
- Unique detachable cord system.
- HearPack storage case.

HOWARD LEIGHT  by Honeywell

**Quiet®**



SNR 28

- Easy handling, better fit.



Ref.	Description	Packaging
10 284 56	Uncorded	Box of 50 pairs, case of 500 pairs
10 284 57	Corded	Box of 50 pairs, case of 500 pairs

## FEATURES AND BENEFITS

- Patented no-roll design is easy to handle and fit.
- Contoured shape provides a close fit in the ear canal.
- Integrated stem makes insertion quick and easy.
- Supplied in pairs in a practical plastic storage case.

HOWARD LEIGHT  by Honeywell

**DISTRIBUTEUR Leight® Source 400 (LS400)**



LS400



Refill bag Laser Lite

## 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 and Bilsom 303.





## Pre Moulded Earplugs



3M™ E-A-R™ Ultrafit™ 14 and Ultrafit™ 20 Earplugs



3M™ E-A-R™ ClearEAR™ 20 Earplugs



3M™ Earplugs 1261/1271



3M™ E-A-R™ Tracers™ and Tracers™ 20 Earplugs



3M™ E-A-R™ Ultrafit™ X Earplugs



3M™ Tri-Flange™ Earplug

Pre Moulded plugs are made from flexible materials that are preformed to fit the ear. They are generally available with a joining cord to prevent loss. These reusable earplugs are comfortable, hygienic and economical. No sizing is required for these patented, pre-moulded, triple flanged earplugs. Available in a variety of styles and protection levels.

### Features and Benefits:

#### Comfortable

- Unique and patented tri-flange design for a perfect fit and comfort
- Easy to fit in the ear for a continuous and comfortable protection

#### Effective

- High attenuation (SNR: 32dB)

#### Convenient

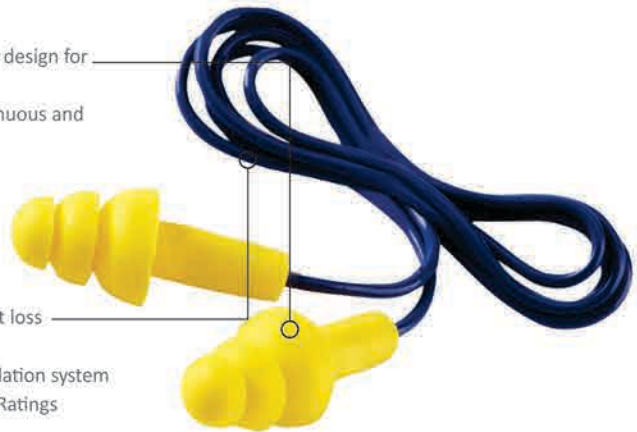
- Available with a cord to prevent loss
- Washable and reusable
- Compatible with E-A-Rfit™ validation system to check Personal Attenuation Ratings

#### Versatile

- Different versions to various use: traceable, high and low attenuation versions

#### Compatible with

- Designed to be compatible with all types of PPE



### Attenuation\*

#### 3M™ E-A-R™ Ultrafit™ Earplugs

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	29.2	29.4	29.4	32.2	32.3	36.1	44.3	44.8
Standard Deviation (dB)	6.0	7.4	6.6	5.3	5.0	3.2	6.0	6.4
Assumed Protection (dB)	23.2	22.0	22.7	26.9	27.3	32.8	38.3	38.4

SNR=32dB H=33dB. M=28dB. L=25dB APVf = Mf - sf





## 3M™ E-A-R™ Classic™ Earplugs



3M™ E-A-R™ Classic™ Soft Earplugs

40 years ago this simple hearing protector, the world's first foam earplug, revolutionised hearing protection in the workplace and has remained to this day one of the most widely used earplugs in the world. Since its introduction to the market no other earplug has been studied and assessed in the field more comprehensively than the E-A-R Classic. Discover for yourself what makes the E-A-R Classic earplug so different and why it remains one of the most popular choices of earplug in the world today for attenuation, comfort and ease-of-fit.



3M™ E-A-R™ Classic™ Small Earplugs



3M™ E-A-R™ Superfit™ 33 Earplugs



3M™ E-A-R™ Superfit™ 36 Earplugs



3M™ E-A-R™ One-Touch™ Dispenser

### Features and Benefits:

#### Attenuation

- Features a proprietary slow recovery vinyl foam, engineered to protect against noise and vibration
- Expands to the shape of the wearer's ear canal, thereby providing an effective acoustic seal
- Fully tested and CE approved against EN352-2:1993
- The unique 3M™ E-A-RFit™ Validation System allows users to obtain their own personal attenuation rating to help ensure best fit and protection



#### Comfort

- Cylindrical shape: Flat and cylindrical to provide an effective seal even with jaw movement
- Sweat and humidity resistant, enables easier fitting and helps prevent moisture build up in the ear canal
- Textured surface, provides greater friction to prevent slippage and maintain an effective seal over a prolonged wear time
- Soft energy absorbing foam offers a low equilibrium pressure



#### Ease-of-Fit

- Firm foam properties prevent the earplug from folding or collapsing when inserted into the ear canal
- Quick and easy to roll down with slow recovery foam for a good custom fit

#### Attenuation\*

3M™ E-A-R™ Classic™ Earplugs (Uncorded version)

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	22.3	23.3	24.6	26.9	27.4	34.1	41.6	40.4
Standard Deviation (dB)	5.4	5.3	3.6	5.4	4.8	3.1	3.5	6.4
Assumed Protection (dB)	16.9	18.1	20.9	21.5	22.6	30.9	38.1	34.0

SNR=28dB H=30dB. M=24dB. L=22dB





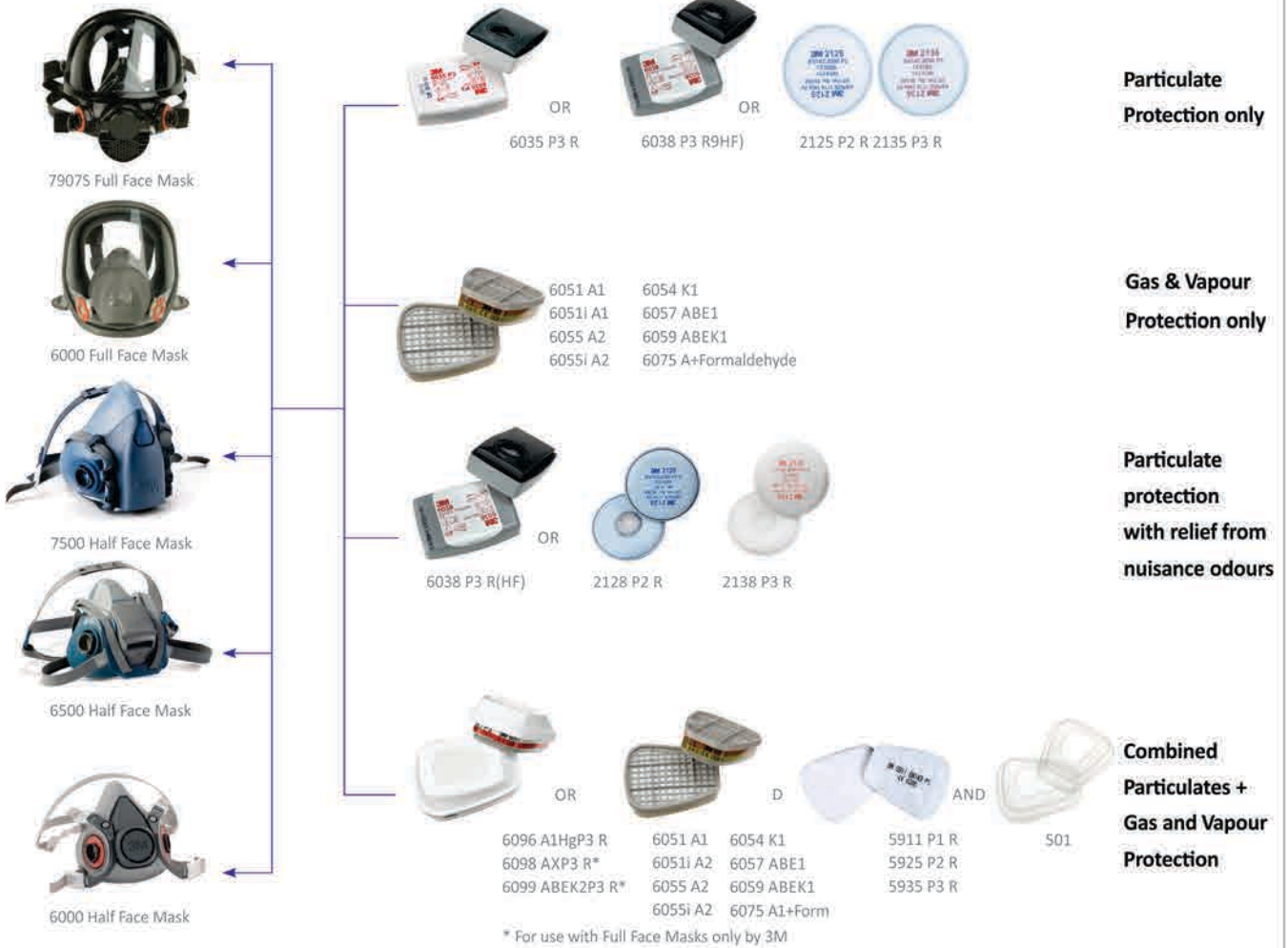
# RESPIRATORY PROTECTION



# RESPIRATORY PROTECTION



## 3.2 Select the Right Filter



Optional 3M™ S-200+ Supplied Air System compatible with 3M™ Reusable Respirator Series







## 3M™ Reusable Half Masks 7500 Series



Ready-to-Use Respirator Packs  
3M™ Reusable Half Masks 7500 Series



3M™ S-200+ Supplied Air System  
3M Protective Eyewear  
3M Hearing Protection

- The 7500 Series Respirators by 3M have set a new standard in comfort. This facepiece was designed with the wearer in mind. Its soft sealing surface, along with the unique 3M™ Cool Flow™ Valve, enhances wearer comfort and face fit. Reduced breathing resistance helps to minimise heat build-up in the mask and increases your comfort.
- Available in three sizes, all masks have the 3M™ Bayonet Attachment System offering a broad range of twin lightweight filters to protect against gases, vapours and particulates depending on your individual needs and can also be used with 3M™ Supplied-Air Systems.

### Features and Benefits:

#### Head Harness

- Balanced, secure fit
- Reduced pressure and tension points

#### Facepiece

- DropDown feature for added convenience during breaks
- Designed for compatibility with 3M Head and Eye protection
- Soft silicone face piece material for comfort and durability
- Thin nose bridge area for more comfort
- Fully maintainable
- Low weight of 136 gr.

### 3M™ Cool Flow™

#### Exhalation Valve

- Less exhalation resistance
- Easier breathing
- Less heat and sweat build-up
- Reduces valve vibration
- Downwards flow of exhaled air
- Stays clean

#### Low-Profile Design

- Minimises interference with field of view
- Minimised dirt-traps
- Reduced fogging with eye protection
- Sleek look and feel

#### Filter Connection

- Twin filter design provides lower breathing resistance
- Better weight distribution and more balanced fit
- Improved peripheral vision
- Safe and secure fit
- Optical marking of attachment point
- Flexible System for gas, vapour, particulate filters
- Optional supplied-air connection



#### Plus

- Full range of spares available
- Available in three sizes distinguished by different colours



## 3M™ Reusable Half Masks 6500 Series



3M™ S-200+ Supplied Air System  
3M Protective Eyewear  
3M Hearing Protection

- The 3M™ Reusable Half Masks 6500 Series have been designed with tough and dirty work environments in mind. Stay productive and protected – the 6500 Series delivers durability and stability with a firm, lightly textured silicone face seal and strong body construction. There are two versions of the 6500 Series available - the 6500QL Series featuring the Quick Latch Drop Down mechanism and the 6500 Series (Standard). Both versions are available in three sizes.

### Features and Benefits:

#### Overmoulded, Low-Profile Design

- Simplified cleaning and maintenance with minimal parts and crevices
- Advanced half mask design for a wide field of view
- Compatibility with 3M™ welding/grinding shields

#### Adjustable Head Harness Assembly

- Optimum fit and comfort with three-size adjustable head cradle
- Durable harness straps

#### Silicone Face Seal

- Provides comfort and stability with a soft but firm face seal
- Extended product life due to resilient silicone material
- Lightweight
- Keeps its shape in high-heat environments
- Available in three sizes (S, M and L)

#### 3M™ Bayonet Connection

- Flexible bayonet system for connection to a wide range of 3M™ gas, vapour and particulate filters

#### Valve Cover Design

- Directs exhaled breath and moisture downward
- Easy positive pressure seal check

#### 3M™ Cool Flow™ Exhalation Valve

- Enhanced comfort by reducing heat and moisture
- Less exhalation resistance makes breathing easier

#### Quick Latch (QL) - Drop Down Mechanism\*

- Easy on and off as you move in and out of contaminated areas
- No need to remove your safety helmet or face shield when lowering or raising your respirator





## 3M™ Reusable Half Masks 6000 Series



Ready-to-Use Respirator Packs  
3M™ Reusable Half Masks 6000 Series



3M™ Half Mask  
Carry Bag 106



3M™ Face Seal  
Wipe 105

- The 3M™ Reusable Half Masks 6000 Series are economical, low-maintenance, simple to handle and lightweight. Available in three sizes, all masks have the 3M™ Bayonet Connection System allowing connection to a broad range of twin filters to protect against gases, vapours and particulates depending on your individual needs. 6000 series half masks by 3M can also be used with 3M™ Supplied Air Systems for your increased convenience and flexibility

### Features and Benefits:

#### Head Harness

- Designed for compatibility with other 3M Head and Eye protection
- Cradle suspension for comfortable fit
- Easy to fasten neck strap

#### Facepiece

- Three colour coded sizes for easier identification
- Lightweight elastomeric material for comfort during long periods of work
- Ultra-low weight of 82g
- Reducing maintenance costs to minimum

#### Low-Profile Design

- Minimises interference with field of view
- More simplicity for easy handling

#### Filter Connection

- Twin filter design provides lower breathing resistance
- Better weight distribution and a more balanced fit
- Improved peripheral vision
- Safe and secure fit
- Optical marking of attachment point
- Flexible System for gas, vapour, particulate filters
- Optional supplied-air connection

#### Plus

- Spare parts available
- Available in three sizes distinguished by different colours





## 3M™ Reusable Full Face Masks 6000 Series

- The 3M™ Full Face Masks 6000 Series are simple to handle and comfortable to wear. The exhalation port provides increased durability and is easy to keep clean. Available in three sizes, all masks have the 3M™ Bayonet Connection System enabling connection to a broad range of twin lightweight filters to protect against gases, vapours and particulates depending on your individual needs.

### Features and Benefits:

#### Full Face Piece

- Soft, non-allergenic elastomeric face piece
- Extremely lightweight (400 grams) for high comfort

#### Full Face Lens

- Broad field of vision
- Polycarbonate lens, scratch and impact resistant to EN166:2001 B

#### 4 Strap Head Suspension

- Easy to put on and take off
- Well balanced



3M™ Face Seal  
Wipe 105

#### 3M™ Cool Flow™

##### Exhalation Valve

- Less exhalation resistance
- Easier breathing
- Less heat and sweat build-up
- Reduces valve vibration
- Downwards flow of exhaled air
- Minimised dirt-traps to stay clean
- Sleek look and feel

##### Filter Connection

- Twin filter design provides lower breathing resistance
- Better weight distribution and more balanced fit
- Improved peripheral vision
- Safe and secure fit
- Optical marking of attachment point
- Flexible System for gas, vapour, particulate filters
- Optional supplied-air connection





N5500

## Class 1 half masks and full face masks - N series system

- Half mask, flexible and durable made from elastomer.
- Easy to use: its ergonomic design and improved suspension system fits perfectly on top of the head providing a high level of comfort.
- With double connection filter, class 1 N Series.

### Technical description

Twin filter system	Fittings: "N" SERIES
Harness	Single unit four-point harness with neck strap
Face piece	Flexible elastomer
Face seal	Rounded and soft edges on the body of the mask
Standard	EN 140

Ref.	Description	Material
N65550031	N5500, size S	Elastomer
N65550032	N5500, size M	Elastomer
N65550033	N5500, size L	Elastomer

### Areas of application

- Construction: sanding, plastering, sawing, painting.
- Mechanical engineering, machining.
- Painting: protection against dust in workshops.
- Livestock and horticulture: preparing spray mixtures, application of pesticides/herbicides.

For gases and vapours: NPF 50 - APF 10\*

For particulates with P3: NPF 50 - APF 20

For gases with P3: NPF 50 - APF 10\*

\* For Class 1 gas filters: 10 or up to 1,000 ppm (whichever is the lower)

\* For Class 2 gas filters: 10 or up to 5,000 ppm (whichever is the lower)



N7700

## Class 1 half masks and full face masks - N series system

- Soft and durable half mask medical grade silicone: for an optimal fit.
- Easy to use: its ergonomic design and improved suspension system fits perfectly on top of the head providing a high level of comfort.
- With double connection filter, class 1 N Series.

### Technical description

Twin filter system	Fittings: " N SERIES "
Harness	Single unit four-point harness with neck strap
Face piece	Non degradable silicone
Face seal	Rounded and soft edges on the body of the mask
Standard	EN 140

Ref.	Description	Material
N65770031	N7700, size S	Silicone
N65770032	N7700, size S	Silicone
N65770033	N7700, size L	Silicone

### Areas of application

- Laboratories, pharmaceutical industry: exposure to aerosols containing bacteria or viruses, handling powders, clean rooms.
- Oil and gas industry: handling chemicals where there is no risk of splashes (gas detection).



N5400

## Class 1 half masks and full face masks - N series system

- Light full face mask, soft and flexible: with four-band harness and double filter connection for Class 1 N series filters.
- Easy to use: provides an excellent fit.
- High chemical resistance.
- Polycarbonate visor: hard anti-scratch and impact resistant treated, 200° field of view.

### Technical description

Body	Elastomer
Eyepiece	Polycarbonate
Harness	Adjustable 4-point harness
Twin filter system	"N SERIES" connections
Wearing corrective lenses	Possible
Standard	EN136

Ref.	Description	Material
N65754101	N5400	Elastomer

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)

### Areas of application

- Laboratories, pharmaceutical industry: exposure to aerosols containing bacteria or viruses, handling powders creating a risk for skin and eyes, working in clean rooms.
- Oil and gas industry: handling chemicals where there is a risk of splashes (gas detection), chemical sampling.
- Mechanical industry, automotive industry: application of paints and solvents with a risk for skin and eyes.
- Chemical Industry: manufacture of paints, solvents, high risk products.



N5400-CLASS 2

## Class 2 half masks and full face masks - Rd40 Connection System

- 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
Speech diaphragm	Integrated (plastic)
Single filter system	"Rd40" Connection
Wearing corrective lenses	Possible
Standard	EN136

### Areas of application

- Laboratories, pharmaceutical industry: exposure to aerosols containing bacteria or viruses, handling powders, clean rooms.
- Oil and gas industry: handling chemicals where there is no risk of splashes (gas detection).

Ref.	Description	Material
N65754201	N5400	Elastomer
N65754301	N5400	Silicone





**OPTIFIT SINGLE**

## Class 2 half masks and full face masks – Rd40 Connection System

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
17 150 21	580g	Optifit	■	L

### Areas of application

- Laboratories, pharmaceutical industry: exposure to aerosols containing bacteria or viruses, handling powders creating a risk for skin and eyes, working in clean rooms.
- Oil and gas industry: handling chemicals with a risk of splashes (gas detection), and sampling chemicals.
- Mechanical industry, automotive industry: application of paints and solvents with a risk for skin and eyes.
- Chemical Industry: manufacture of paints, solvents, high risk products.



**PANORAMASQUE**

## Class 2 half masks and full face masks – Rd40 Connection System

THE BENCHMARK FOR PERFORMANCE AND COMFORT

- Broad and flexible body for an optimum seal.
- Five-point harness for excellent stability of the mask on the face.
- Wide face screen for better protection and improved visual comfort.

### Technical description

Body	Silicone
Eyepiece	Available in silicone and EPDM
Harness	Adjustable five-point
Speech diaphragm	Option available (metal)
Single filter system	Rd 40 Connection
Neck strap	Flame retardant cotton
Wearing corrective lenses	Possible
Weight	530g
Standard	EN 136

Ref.	Name
17 103 94	Panoramasque in black EPDM with PMMA (methacrylate) eyepiece
17 109 87	Panoramasque in yellow silicone and PMMA (methacrylate) eyepiece and speech diaphragm
17 103 95	Panoramasque in black EPDM and PMMA (methacrylate) eyepiece and speech diaphragm
17 110 00	Panoramasque in black EPDM with chlorine and solvent protection eyepiece
17 110 01	Panoramasque in black EPDM with laminated glass eyepiece
17 109 80	Panoramasque in yellow silicone and PMMA (methacrylate) eyepiece

# RESPIRATORY PROTECTION



**550030M**



- Durable and flexible mask made of non-allergenic elastomer material with double filter connection for class 1 filter
- Ergonomically designed for high level of user comfort



**Comfo Classic**



- Softfeel facepiece increases rubber and silicone softness
- Face seal design provides tight, comfortable fit
- Material: softfeel Hycar, softfeel silicone
- Colors: Black
- Size: Small, Medium, Large

# 808076 Large  
# 808074 Medium  
# 808075 Small



**3S Full-facepiece Respirator**



- Over 50 version for your convenience  
Lens variants coated in polycarbonate & Triplex glass, also for
- high mechanical and chemical resistance
- Broad range of accessories
- Also available as mask-helmet-combination

Standard: EN 136, class 3, EN 136, Class 2 [3s basic plus]  
Ru: Gost R 12.4 189-99,  
KZ: St Rk, Gost R 12.4 189-99,  
BY: STB Gost R 12.4, 189-2006,  
AS/NZS 1716:2003





# RESPIRATORY PROTECTION



**FENZY**  
by Honeywell

## Aeris Comfort TYPE II

- Ultra comfortable harness:cushion combat on the strap and belt
- Amaid strap
- 3 carrying handles & 1 attachment point for lifeline
- Compatible with large number of accessories



**MSA**

## Air Hawk II



- Light weight, durable  
Pressure demand apparatus maintain positive air
- Ergonomic back plate & harness assembly for comfortable, stable wear
- Detachable component for easy maintenance
- Easy release friction buckles

**spasciani**

## RN/A 1683 C FR



- RN/A 1683 C FR is a type 1 self contained breathing apparatus specifically designed for fire fighting.
- The back plate is made of blow molded thermoplastic polypropylene
- All harnesses and padding are in aramidic and para-aramidic material and self-extinguishing foams.
- The composite cylinder has a capacity of 6.8 liters with a pressure of 300 bar and is fitted with a valve according to EN 144.
- The location of the warning device protects it from frost or dirt.

# RESPIRATORY PROTECTION



## FUGE TAIL (EEBD)



- Emergency Escape breathing device
- P/N 403020000
- With one 2 L 300 bar steel cylinder granting 15 minutes duration.
- The connection for the feeding hose, i.e. the hose connection to the demand valve for the medium pressure air supply
- The safety valve
- The refilling connector



## BD mini



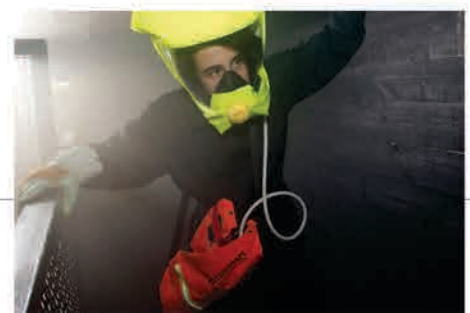
- Small and lightweight
- With 2 l/300 bar composite cylinder, weight less than 5 kg
- Various carrying modes
- Especially suited for use in confined spaces
- Innovative state-of-the-art 1 st stage pressure reducer with new, modern design
- For use with normal or positive pressure
- 10031385 Ultra Elite PS-MaXX masker



## Bio-s-cape



- Compressed emergency escape breathing apparatus
- Inflatable air cushion for an automatic installation
- Acoustic alarm that does not consume any air
- Optional belt for a better hold



# RESPIRATORY PROTECTION



**3M**

**Versaflo PAPP**

- Premium hoods with reusable suspensions
- Easy to select compatible modules
- QRS (Quick Release Swivel) breathing tubes allow fast and easy connection.
- Breathable air is provided to the wearer; reducing the additional breathing effort required .
- Lightweight, compact and well-balanced designs.
- Quiet system with reduced motor noise and air whistling .



**spasiani**

**TURBINE**

- TURBINE PAPP are designed to protect the operator granting high comfort, achieved by supplying the mask, the helmet or the hood, with the ideal flow rate to reduce the breathing effort to a minimum without noxious flow on the pad .
- The ergonomic waist belt provided with soft pad.
- Very low weight compared to the autonomy offered.
- They are designed to withstand decontamination showers.

**Dräger**

**Dräger X-plore® 6300**

- The mask body is made from durable and skin-friendly EPDM, with double-layer face seal and triple sealing edges which provides a secure and comfortable seal for every type of face.



# RESPIRATORY PROTECTION

**Honeywell**

## Why use an Rd40 filter?

- Quality coconut charcoal provides optimum absorption. The filtration capabilities are superior to those required by the standards EN 14387 (gas and combined filters) and EN 143 (mechanical type particle filtration). For particulate or combined filters respiratory resistance is low (paper quality) and breathing comfort optimized.



### Rd40 filters

These must be used with a device equipped with an Rd40 connection such as a mask or powered air purifying respirators from the Compact Air series.

Aluminum Rd40 filters  
Closed by two plugs.

This protection ensures a storage period of:

- 5 years for type A filters
- 4 years for all others
- 10 years for P3 filters



The range of Honeywell plastic filters:

- Designed for chemical environments.
- No metal: when staff safety (metal detection equipment) is required in addition to respiratory safety.
- Honeywell plastic filters can also be used in conventional applications.

The range of Honeywell filters is the largest on the market and meets all currently known requirements.

Honeywell also manufactures special filters for the nuclear industry, as well as the protection of the armed and security forces. Please contact our sales representatives for more information.



# RESPIRATORY PROTECTION



**501**  
Used to hold 3M™ Particulate Filters 5N11 and 5P71/07194(AAD) in place on top of 3M™ Respirators 5000 Series and 3M™ Cartridges 6000 Series.



**502**  
Use to attach 3M™ Particulate to the 3M™ Respirators for a wide variety of applications.



**5N11**  
NIOSH approved for environments containing certain non-oil based particles. Use with 3M™ Respirators 5000 Series or 3M™ Cartridges 6000 Series, and 3M™ Filter Retainer 501.



**2091**  
This NIOSH-approved P100 particulate filter helps provide respiratory protection in environments containing certain oil and non-oil based particles



**6001**  
NIOSH approved against certain Organic vapor.



**6002**  
NIOSH approved against certain acid gas



**6003**  
NIOSH approved against certain organic vapors or acid gases



**6006**  
NIOSH approved against certain organic vapors, acid gases, ammonia, methylamine or formaldehyde



**60921**  
NIOSH approved against certain organic vapors & P100



**60922**  
NIOSH approved against certain acid gases & P100



**60923**  
NIOSH approved against certain organic vapors or acid gases & P100



**60926**  
NIOSH approved against certain organic vapors or acid gases, ammonia, methylamine or formaldehyde & P100



**Screw Filters Blueline Filter 203 ABEK2P3**  
Features Gas, particle and combined filters with plastic body & standard threaded connector EN148/1



**492790**  
Easy-to-install respirator cartridges protect against myriad contaminants. Cartridges thread directly to receptacles on twin-cartridge respirators

# RESPIRATORY PROTECTION



**A168104**  
 ABEK2-P3 Organic gases and vapours  
 Inorganic gases and vapours Acid gases  
 & vapours Ammonia & ammonia derivatives  
 Solid & liquid particles Standard: EN 141 -  
 Thread connection: EN 148



**N750027**  
 Seal Check / Filter Cover for 7506N95,  
 Gas and Vapor Cartridges. For Filter  
 use only, use N750015 Filter Holder



**N06575003**  
 The class 1 filter cartridges are designed  
 to be used across the range of class 1  
 respirators ABE1(Filter for Organic, Inorganic,  
 Acid gases and vapours)



**7583P100L**  
 NIOSH approved against Organic vapor  
 and acid gas & P100



**N6575008**  
 The class 1 filter cartridges are designed to  
 be used across the range of class 1  
 respirators. P3- filter for particles and aerosols



**N750015**  
 Filter Holder for 7506N95, 7506N99 and  
 7506R95 Filters. Requires N750027 Seal  
 Check / Filter Cove



**N75001L**  
 NIOSH approved against certain Organic  
 vapors



**755CL**  
 Defender™ Multi-purpose cartridges are  
 approved for protection against organic  
 vapours. Compatible with all North face-pieces



**N75003L**  
 NIOSH approved against certain organic  
 vapors or acid gases



**7506N95**  
 Filter N95 Non-oil filter particulate cartridge  
 95% minimum filter efficiency For use with  
 North 5400



**N75004L**  
 NIOSH approved against Ammonia,  
 Methylamine



**75FFP100**  
 Filter P100 Efficient against solid or liquid  
 particles, including oil-based particles



**7580P100**  
 75SC with P 100 particulate filter, NIOSH  
 approved



**N7500P3**  
 Flex Filter P3 Reusable APR, made of  
 Polypropylene



## **3MAX 8236**

### **FFP3 Dust / Mist Mask with Valve**



- Conforms to European EN149:2001 FFP3 standard with CE 0086 marking. Also conforms to EN143:2000 /prA1:2005(E) standards and pass the "120mg loading test". BSI CE Certificate number 70730.
- With unique design provides very low breathing resistance.
- With polypropylene (P.P.) outer layers provides smooth lining and avoids loose fibers.
- Embossed fringe seal avoids fluffy open layer around the edges.
- Contoured facial seal, fully adjustable head straps and adjustable nose clip offer a comfortable secure fit .
- Exhalation valve reduces hot air buildup and easy breath in hot/humid environments
- Covered with carbon active (OV) pre-filter against nuisance organic vapors below OEL.

## **3MAX 8226**

### **FFP2 Active Carbon Dust/ Mist Mask with Valve**



- Conforms to European EN149:2001 FFP2 Standard with CE 0086 marking. BSI CE Certificate number 70730.
- Foldable design, seal edge avoids open layers and eliminates the possibility of irritation.
- Low breathing resistance for increased wearer comfort. soft edges fit different facial shapes with minimum leakage.
- Polypropylene (P.P.) outer/inner layers provides smooth lining and comfortable feel.
- Heavy-duty head straps, adjustable nose clip and soft foam nosepiece for comfortable custom fit.
- Exhalation valve reduces hot air buildup and easy breath in hot/humid environments.
- Covered with carbon active (OV) pre-filter against nuisance organic vapors below OEL.

## **3MAX 8220**

### **FFP2 Dust / Mist Mask**



- Conforms to European EN149:2001 FFP2 Standard with CE 0086 marking. BSI CE Certificate number 70730.
- Foldable design, seal edge avoids open layers and eliminates the possibility of irritation.
- Low breathing resistance for increased wearer comfort. soft edges fit different facial shapes with minimum leakage.
- Polypropylene (P.P.) outer/inner layers provides smooth lining and comfortable feel.

# RESPIRATORY PROTECTION

## 3MAX 8232

### FFP3 Dust / Mist Mask with Valve



- Conforms to European EN149:2001 FFP3 standard with CE 0086 marking. Also conforms to EN143:2000 /prA1:2005(E) standards and pass the "120mg loading test". BSI CE Certificate number 70730.
- With unique design provides very low breathing resistance.
- With polypropylene (P.P.) outer layers provides smooth lining and avoids loose fibers.
- Embossed fringe seal avoids fluffy open layer around the edges.
- Contoured facial seal, fully adjustable head straps and adjustable nose clip offer a comfortable secure fit .
- Exhalation valve reduces hot air buildup and easy breath in hot/humid environments

## 3MAX 8626

### FFP2 Active Carbon Dust/ Mist Mask with Valve



- Conforms to European EN149:2001 FFP2 Standard with CE 0086 marking. BSI CE Certificate number 70730.
- With collapse resistant double shell construction made to withstand hot and humid conditions.
- Low breathing resistance for increased wearer comfort. Fringe seal avoids open layer around the edges.
- Latex-free head straps, adjustable nose clip and soft foam nosepiece for comfortable custom fit.
- Exhalation valve reduces hot air buildup and easy breath in hot/humid environments.
- Covered with carbon active (OV) pre-filter against nuisance organic vapors below OEL.

## 3MAX 8636

### FFP3 Dust / Mist Mask with Valve



- Conforms to European EN149:2001 FFP3 standard with CE 0086 marking. Also conforms to EN143:2000 /prA1:2005(E) standards and pass the "120mg loading test". BSI CE Certificate number 70730.
- With unique design provides very low breathing resistance.
- With polypropylene (P.P.) outer layers provides smooth lining and avoids loose fibers.
- Embossed fringe seal avoids fluffy open layer around the edges.
- Contoured facial seal, fully adjustable head straps and adjustable nose clip offer a comfortable secure fit .
- Exhalation valve reduces hot air buildup and easy breath in hot/humid environments
- Covered with carbon active (OV) pre-filter against nuisance organic vapors below OEL.





# RESPIRATORY PROTECTION

**3M**

**8511 / 3M**



- 3M™ CoolFlow™ Valve
- Braided head bands and soft inner materials
- Spacious and durable
- Designed to increase comfort and wearability
- Meets NIOSH N95 approved

**3M**

**8210 / 3M**



- Non-oil based particulate respirator
- Lightweight, effective, comfortable and hygienic respiratory protection
- Recommended for sanding, grinding, sawing, sweeping and insulating
- NIOSH N95 approved

**3M**

**8514 / 3M**



- Use in certain applications involving metal fumes
- Cake resistant filter media and flame resistant per ASTM D2859
- Carbon filter layer reduces exposure to nuisance level odors
- 3M™ CoolFlow™ Valve
- Soft nose foam; adjustable noseclip and straps
- NIOSH N95 approved

# RESPIRATORY PROTECTION

**3M**

**9010 / 3M**



- Non-oil based particulate respirator
- Folding design
- Recommended for sanding, grinding, sawing, sweeping and insulating
- Niosh N95 approved

**Honeywell**

**H801**



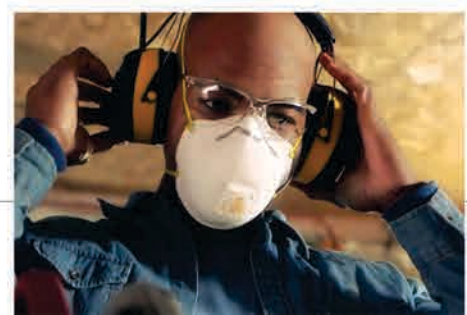
- Value priced high quality N95 mask Highly effective against dust particles, droplets and bacteria Perfect fit for long wear time in the toughest environments Enhanced comfort due to easily adjustable nose bridge Extra smooth foam strip inside the mask protects against chafing Easy to breathe through because of robust non-woven filter Recommended by health organizations to reduce risks associated with flu

**MSA**

**RN/A 1683 C FR**



- Comfortable lightweight EPDM full face mask
- Hard-coated polycarbonate lens affords 200 field of panoramic vision, is scratch and impact resistant.
- Wide sealing surface for comfort and excellent fit.
- Lightweight, easy to use with 4 strap harness assembly for easy adjustment and a reliable fit.



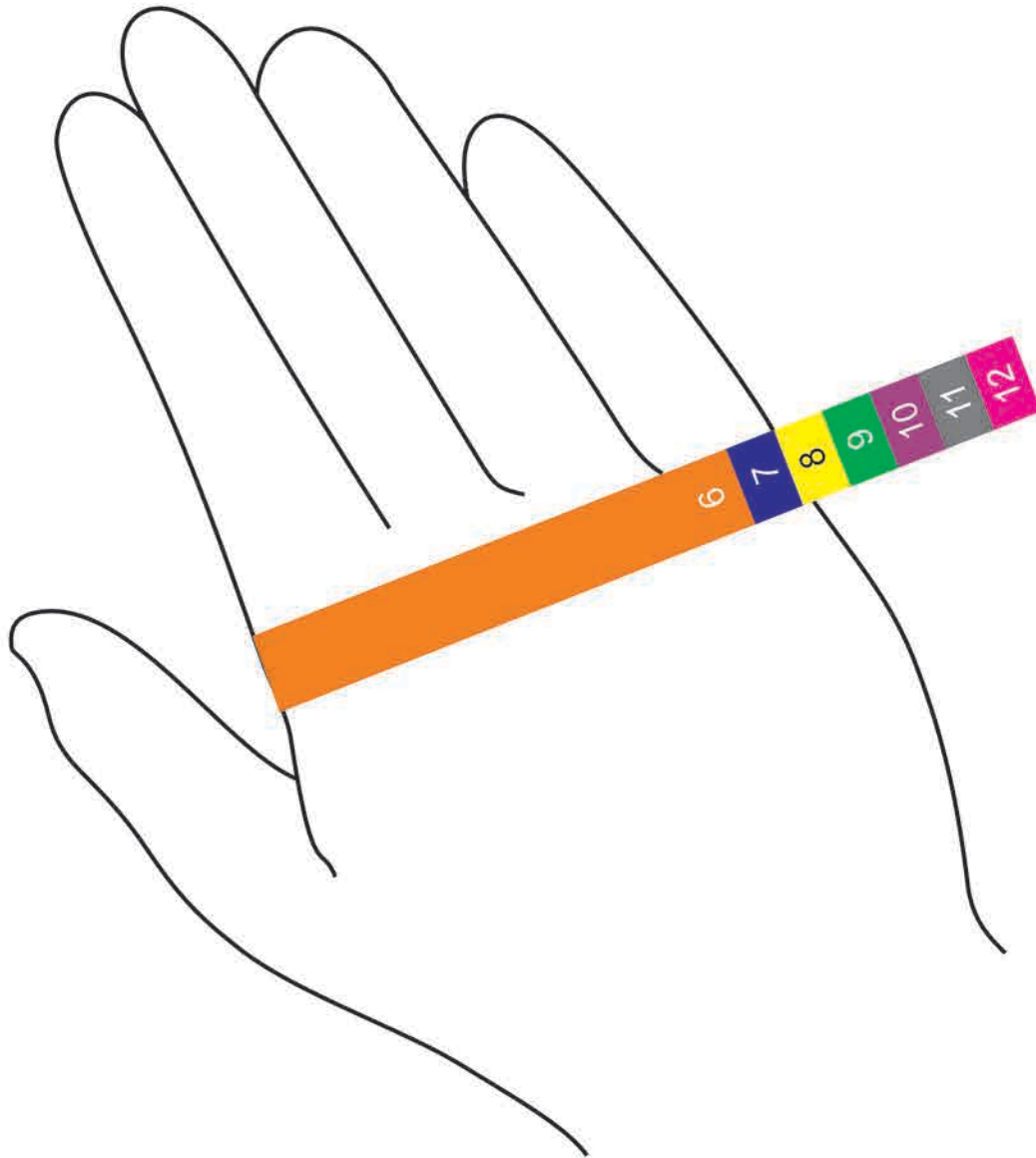


# PROTECTIVE GLOVES



# HAND SIZE GUIDE

OCCUPATIONAL gloves are available in a variety of size. For the best performance and comfort, it is essential that the correct size of gloves are worn. To determine the correct gloves size, place your hand on the coloured bar as depicted below .



Gloves Size 7 Required  
In This Example

# PROTECTIVE GLOVES

## SIZE

The glove size should always match the hand of the user to optimize comfort, dexterity, safety and efficiency

## LENGTH

The appropriate glove length is decided by the extent to which the wearer's arm needs to be protected in the working environment. In chemical applications, the depth to which the arm is immersed should be the deciding factor. Gloves of each size need to meet the minimum length requirements detailed in the table below.

## GRIP

Grip patterns are designed to offer optimum wet and dry grip under general working conditions associated with each glove style. Trial usage is recommended to select the best grip for the intended applications.

## Explanation of Standards

### Mechanical Hazards EN388

	Rating
a) Resistance to abrasion	0-4
b) Blade cut resistance	0-5
c) Tear resistance	0-4
d) Puncture resistance	0-4



### Chemical and Micro-Organism EN374

EN374-2 Resistance to penetration by micro-organisms. Referred to as acceptance quality limit (AQL)

#### Rating

1-3



EN374-3 Resistance to chemical hazards

1-6



### Thermal Hazards (Heat and/or Fire) EN407

	Rating
a) Burning behaviour	0-4
b) Contact heat	0-4
c) Convection heat	0-4
d) Radiant heat	0-4
e) Small splashes of molten metal	0-4
f) Large splashes of molten metal	0-4



### Protection from Cold EN511

	Rating
a) Resistance to convection cold	0-4
b) Resistance to contact cold	0-4
c) Permeability to water	0-1



# PROTECTIVE GLOVES

## LINING

The inner layer between the wearer's skin and the elastomer enhances protection and comfort while the absence of lining is preferred where cleanliness and product protection are key considerations.

### Fabric Supported (Cut and Sewn)

Benefits	Recommended for
<ul style="list-style-type: none"> <li>• Offers additional reinforcement</li> <li>• Absorbs perspiration</li> <li>• Provides heat and cold insulation</li> <li>• Reduces risk of allergic reactions</li> </ul>	<ul style="list-style-type: none"> <li>• Heavy-duty and long duration tasks</li> </ul>

### Fabric Supported (Knitted)

Benefits	Recommended for
<ul style="list-style-type: none"> <li>• Offers additional reinforcement</li> <li>• Absorbs perspiration</li> <li>• Provides heat and cold insulation</li> <li>• Reduces risk of allergic reactions</li> <li>• Excellent fit</li> <li>• Seamless liner for added comfort</li> <li>• Breathable construction</li> <li>• Minimum hand fatigue</li> </ul>	<ul style="list-style-type: none"> <li>• Medium and heavy-duty work</li> </ul>

### Flock Lined

Benefits	Recommended for
<ul style="list-style-type: none"> <li>• Absorbs perspiration</li> <li>• Provides comfort to wearer</li> </ul>	<ul style="list-style-type: none"> <li>• Light and medium-duty work</li> </ul>

### Flock-free (Unlined)

Benefits	Recommended for
<ul style="list-style-type: none"> <li>• Minimizes product contamination</li> <li>• Essentially chlorinated</li> </ul>	<ul style="list-style-type: none"> <li>• Handling of food</li> <li>• Work in clean environments</li> </ul>

## CHLORINATION

The chlorination process involves washing the gloves in a solution of chlorine, neutralization and rinsing off any residue. The process modifies the chemical structure of the glove's surface permanently. Chlorination is also referred to as halogenation. Most products, other than fabric supported gloves can be chosen with a chlorinated finish.

Benefits	Caution
<ul style="list-style-type: none"> <li>• Reduces solubles such as extractable proteins and residual accelerators and considerably lowers risk of allergic reactions</li> <li>• Facilitates easy donning by lessening contact with skin at microscopic level (essential for gloves without flock or powder)</li> <li>• 'Case hardened' for enhanced chemical protection</li> <li>• Free of surface contaminants making it suitable for 'product protection' applications</li> <li>• Adjusts the pH to neutral which makes the gloves compatible with the skin's natural pH</li> </ul>	<ul style="list-style-type: none"> <li>• Reduces tensile strength marginally</li> <li>• May cause slight discolouration over time</li> </ul>

## SHAPE

### Anatomically Shaped Gloves

Provide greater Dexterity and sensitivity  
 Facilitate Easy Donning and removal  
 Reduce Hand Fatigue over prolonged use  
 Recommended for applications requiring greater precision.

### Ambidextrous Shaped Gloves

Interchangeable between left and right hands  
 Cost-effective  
 Recommended for short periods and one-off applications

## COATING

The extent of coating would vary with the required level of comfort, dexterity and protection.

Coating	Benefits
<ul style="list-style-type: none"> <li>• Palm</li> </ul>	<ul style="list-style-type: none"> <li>• Maximum comfort and dexterity</li> </ul>
<ul style="list-style-type: none"> <li>• Half</li> </ul>	<ul style="list-style-type: none"> <li>• Moderate comfort and dexterity</li> </ul>
<ul style="list-style-type: none"> <li>• Full</li> </ul>	<ul style="list-style-type: none"> <li>• Maximum protection</li> </ul>

# PROTECTIVE GLOVES



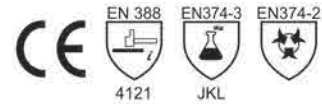
## CHEMIX



### Features & Benefits

- Unique PVC Formulation: Good resistance to a variety of chemicals According EN374
- Flexible: Good dexterity maintained
- Durable: Has attained maximum abrasion score as defined by European Standard EN388
- Comfort: Cotton interlock knitted liner eases donning and doffing and absorbs perspiration keeping the hands comfortable

Lenght	Size	9	10
35cm		M35/X3309	M35/X3310
40cm		M40/X3309	M40/X3310



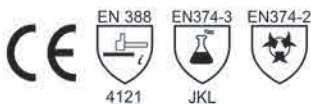
## POLYCHEM

### Features & Benefits

- Superior Chemical Resistance: Offers protection against a variety of chemicals including concentrated acids, alkalis, oils and greases
- Durable: Achieves maximum score for abrasion resistance as defined by European Standard EN388
- Comfort: Cotton interlock knitted liner eases donning and doffing and absorbs perspiration keeping the hands comfortable
- Pressure Tested: For ultimate reassurance of gauntlet integrity



Lenght	Size	9	10
35cm		M35/X7709	M35/X7710
40cm		M40/X7709	M40/X7710



# PROTECTIVE GLOVES



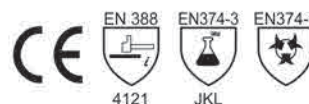
## MAXICHEM



### Features & Benefits

- Protection: Offers protection against a variety of chemicals including According EN374
- hydrocarbons and certain solvents
- Durable: Achieves maximum score for abrasion resistance as defined by European Standard EN388
- Comfort: Cotton interlock knitted liner provides a high level of comfort

Length	Size	9	10
35cm		M35/X4409	M35/X4410
40cm		M40/X4409	M40/X4410



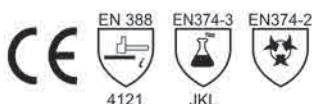
## BLUCHEM

### Features & Benefits

- Protection: Offers protection against a variety of chemicals including According EN374
- hydrocarbons and certain solvents
- Durable: Achieves maximum score for abrasion resistance as defined by European Standard EN388
- Comfort: Cotton interlock knitted liner provides a high level of comfort



Length	Size	9	10
35cm		MB35/X4409	MB35/X4410
40cm		MB40/X4409	MB40/X4410





# PROTECTIVE GLOVES



## MATRIX P GRIP



### Features & Benefits

- Seamless for extra comfort
- Open back style allows hand to breath
- Tight fitting for maximum dexterity
- Available in three colours: White, Grey, Black

Size	6	7	8	9	10	11
White	200-MAT	201-MAT	202-MAT	203-MAT	204-MAT	-
Grey	300-MAT	301-MAT	302-MAT	303-MAT	304-MAT	-
Black	400-MAT	401-MAT	402-MAT	403-MAT	404-MAT	405-MAT



## MATRIX F GRIP

### Features & Benefits

- Palm coated ( grey/ white) or (grey / black ) and fully coated (black/white)
- Snug fit provides maximum dexterity
- Foamed nitrile coating channels liquids away from gloves surface, enduring excellent wet grip



Size	6	7	8	9	10	11
Palm Coated	100-MAT	101-MAT	102-MAT	103-MAT	104-MAT	105-MAT
Fully Coated	-	107-MAT	108-MAT	109-MAT	110-MAT	111-MAT



# PROTECTIVE GLOVES



## POLY FLEX GRIP

### Features & Benefits

- **Grip:** The foamed nitrile channels oils and liquids away from the surface, ensuring superb wet grip. Nitrile dot palm coating on the palm provides extra wet and dry grip
- **Durable:** Coating offers outstanding abrasion resistance for longevity and durability.
- **Comfort:** The seamless nylon liner offers excellent breathability, comfort and a snug fit.

Size	7	8	9	10
Code	8007GR	8008GR	8009GR	8010GR
Length	22.5cm	23.5cm	25cm	26cm



## POLY FLEX PLUS

### Features & Benefits

- **Grip:** The foamed nitrile channels oils and liquids away from the surface, ensuring superb wet grip.
- **Durable:** Coating offers outstanding abrasion resistance for longevity and durability.
- **Comfort:** The seamless nylon liner offers excellent breathability, comfort and a snug fit.

Size	7	8	9	10
Code	8007	8008	8009	8010
Length	22.5cm	23.5cm	25cm	26cm



# PROTECTIVE GLOVES



## DY FLEX PLUS

### Features & Benefits

- **Cut Resistance:** The high performance yarn offers EN 388 cut level 5, the highest cut resistance In the market.
- **Abrasion:** The polyurethane palm coating provides outstanding abrasion resistance.
- **Grip:** Excellent grip in wet and dry conditions.
- **Comfort and Dexterity:** The gloves anatomical shape allow superb movement and breathability, preventing irritation.



Size	7	8	9	10
Code	8875	8876	8877	8878
Length	22cm	24cm	25cm	26cm



## REFLEX

### Features & Benefits

- **Excellent Grip:** Flexible latex palm coating provides excellent grip in both wet and dry conditions for safe and secure handling
- **Comfort:** The seamless knitted polycotton liner provides exceptional comfort and reduces hand fatigue. The back of the glove is uncoated allowing the hand to breathe
- **Durable:** Medium duty, offering excellent abrasion and tear resistance
- **Knit Wrist:** Elasticated knitted wrist ensures a secure fit and keeps hands free of dirt and dust
- **Colors:** Available in Blue and green



Size	8	9	10
Reflex (Blue)	8602	8603	8604
Reflex (Green)	8612	8613	8614
Length	24cm	25cm	26cm



# PROTECTIVE GLOVES



**NITRON**



### Features & Benefits

- Heavy Duty: Nitrile coating provides excellent resistance to abrasion and is ideal for handling rough objects
- Protection: Offers good protection against oil and grease
- Grip: Provides excellent dry grip
- Comfort: The anatomical shape and soft jersey liner ensure in-use comfort
- Safety Cuff: Provides additional protection to the wrist area

Size	8	9	10
Fully Coated	9401	9402	9403
Length	24cm	25cm	26cm



## GRIP IT FC

### Features & Benefits

- Strength: Despite its lightweight construction, Grip It® offers excellent resistance to abrasion. The high quality nitrile grip coating ensures maximum abrasion score as defined by EN388
- Comfort: The soft seamless knitted yarn provides an exceptional level of comfort and flexibility, whilst the open back style of the palm coated products allows excellent breathability
- Dexterity and Fit: The snug fit provides maximum dexterity for the most tactile of applications
- Handling: Provides excellent dry grip



Size	6	7	8	9	10
Grip It Fully Coated	-	8841	8842	8843	8844
Length	22cm	23cm	24cm	25cm	25cm

# PROTECTIVE GLOVES



## ULTRAGRIP



- MEDIUM WEIGHT
- FLOCK LINED
- NATURAL RUBBER GLOVES

### Features & Benefits

- Anatomically shaped for comfort
- Pure cotton flock lining to absorb perspiration
- Anti-slip pattern for good grip in wet and dry conditions
- Rolled cuff for improved tear resistance during donning/removal and to prevent droplets from travelling beyond glove length
- Chlorinated for low Extractable Proteins and residual chemicals

### Applications

Agriculture  
 Domestic Use: Kitchen, Cleaning & Gardening  
 Food Processing  
 Laboratories Light Assembly

### Special Options

Bacteriostatic & Fungicidal Additives (Sanitized)



NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
ULTRAGRIP	621C-55.30/CIQ/X	PICOT	6-6 <sup>1</sup> / <sub>2</sub> , 7-7 <sup>1</sup> / <sub>2</sub> , 8-8 <sup>1</sup> / <sub>2</sub> , 9-9 <sup>1</sup> / <sub>2</sub> , EX.LARGE	300	0.55	YELLOW, MAUVE

# PROTECTIVE GLOVES

**DPL**  
Handling you with care

## CAPITOL II



- BI-COLOUR
- MEDIUM WEIGHT
- FLOCK LINED
- NATURAL RUBBER GLOVES

### Features & Benefits

- Palm strengthened with extra dip
- Anti-slip pattern for good grip in wet and dry conditions
- Anatomically shaped for comfort
- Pure cotton flock lining to absorb perspiration
- Pinked or Straight cuff

### Applications

Agriculture  
Animal Husbandry  
Chemical Industry  
Fish & Meat Industry  
Food Processing  
Janitorial  
Laboratories  
Light Assembly



### Special Options

- Bacteriostatic & Fungicidal Additives (Sanitized)
- Chlorination treatment

NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
CAPITOL II (CAT I)	622U-55.30/CIH	HONEYCOMB	6-6½, 7-7½, 8-8½, 9-9½, EX.LARGE	300	0.55	BLUE OVER YELLOW
CAPITOL II	622U-60.30/CIH	HONEYCOMB	XS, 6-6½, 7-7½, 8-8½, 9-9½, EX.LARGE	300	0.60	BLUE OVER YELLOW, GREEN OVER YELLOW
CAPITOL II	622U-60.33/CIH	HONEYCOMB	XS, 6-6½, 7-7½, 8-8½, 9-9½, EX.LARGE	330	0.60	BLUE OVER YELLOW

# PROTECTIVE GLOVES



## CONQUEROR II



- BI-COLOUR
- HEAVY WEIGHT
- FLOCK LINED
- NEOPRENE OVER
- NATURAL RUBBER GLOVES

### Features & Benefits

- Neoprene over Natural Rubber for reliable chemical resistance
- Palm strengthened with special dip for extra protection
- Anti-slip pattern for good grip in wet and dry conditions
- Anatomically shaped for comfort
- Pure cotton flock lining to absorb perspiration
- Pinked or Straight cuff
- Chlorinated for low Extractable Proteins and residual chemicals

### Applications

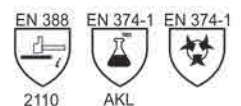
Agriculture  
 Aircraft Industry  
 Automotive Industry  
 Chemical Processing  
 Domestic Use: Cleaning & Gardening  
 Electronics Industry  
 Food Processing  
 Industrial Cleaning  
 Laboratories  
 Light Assembly & Maintenance

### Special Options

Bacteriostatic & Fungicidal Additives  
 (Sanitized)



NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
CONQUEROR II (CAT)	322C-60.33/CH	HONEYCOMB	6-6½, 7-7½, 8-8½, 9-9½, EX. LARGE	330	0.60	BLUE OVER YELLOW
CONQUEROR II	322C-70.30/CH	HONEYCOMB	6-6½, 7-7½, 8-8½, 9-9½, EX. LARGE	300	0.70	BLUE OVER YELLOW



# PROTECTIVE GLOVES

**DPL**  
Handling you with care

## FRONTIER 75



- HEAVY WEIGHT
- FLOCK LINED
- NEOPRENE GLOVES

### Features & Benefits

- Neoprene for high chemical resistance
- Anti-slip pattern for good grip in wet and dry conditions
- Straight cuff
- Pure cotton flock lining to absorb perspiration
- Manufactured under a stringent quality management system

### Applications

Automotive Industry  
Chemical Industry  
Industrial Cleaning  
Oil Refining

NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
FRONTIER 75	921U-75.30/CIH	HONEYCOMB	6-6½, 7-7½, 8-8½, 9-9½, 10-10½, 11-11½	300	0.75	BLACK
FRONTIER 75	921U-78.38/CIVL	R.LOZENGE	6½, 7½, 8½, 9, 10	380	0.78	BLACK



# PROTECTIVE GLOVES



## INTERFACE TOUCH



- HEAVY WEIGHT
- UNLINED
- NITRILE
- INDUSTRIAL GLOVES

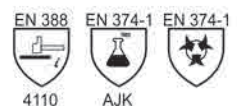
### Features & Benefits

- Nit rile for reliable solvent resistance
- Outstanding abrasion resistance
- Extra thick for added protection
- Anti-slip pattern for good grip in wet and dry conditions
- Long cuff to protect forearm
- Straight cuff
- Chlorinated for low residual chemicals
- Free of Extractable Proteins
- Compliant with FDA regulations for use in repeated contact with food
- Manufactured under a stringent quality management system

### Applications

Aerospace Industry  
 Automotive Industry  
 Industrial Cleaning  
 Machining Operations  
 Metal Fabrication  
 Petrochemical Industry  
 Printing Industry  
 Surface Coating

NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
INTERFACE TOUGH	811C-55.38/CVIL	R.LOZENGE	8,9,10,11	380	0.55	GREEN
INTERFACE TOUGH	811C-55.46/NIVS	SAND PATCH	8,9,10,11	460	0.55	GREEN
INTERFACE TOUGH	811C-55.48/NIVS	SAND PATCH	8,9,10,11	480	0.55	GREEN



# PROTECTIVE GLOVES



## INTERFACE PLUS FL



- FLOCK LINED
- NITRILE GLOVES

### Features & Benefits

- Nit rile for reliable solvent resistance
- Pure cotton flock lining to absorb perspiration
- Outstanding abrasion resistance
- Anti-slip pattern for good grip in wet and dry conditions
- Improved sensitivity and dexterity
- Straight cuff
- Free of Extractable Proteins
- Compliant with FDA regulations for use in repeated contact with food (Blue and Green colours)
- Manufactured under a stringent quality management system

### Applications

Aerospace Industry  
Automotive Industry  
Food Industry  
Industrial Cleaning  
Metal Fabrication  
Petrochemical Industry  
Printing Industry  
Surface Coating

NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
INTERFACE PLUS FL 38	821C-38.30/CIH	HONEYCOMB	6-6½, 7-7½, 8-8½, 9-9½, 10-10½	300	0.38	GREEN
INTERFACE PLUS FL 38	821C-38.33/CVIL	R.LOZENGE	6,7,8,9,10,11	330	0.38	GREEN,BLUE
INTERFACE PLUS FL 42	821C-42.38/CVIL	R.LOZENGE	6½,7½, 8½,9,10	380	0.42	GREEN
INTERFACE PLUS FL 45	821C-45.33/CVIL	R.LOZENGE	6,7,8,9,10,11	330	0.45	GREEN

# PROTECTIVE GLOVES



## PARAGON



- FABRIC SUPPORTED
- HALF COATED
- NATURAL RUBBER GLOVES
- WITH KNITWRIST

### Features & Benefits

- Special coating to protect hands while allowing dexterity
- Thick crinkled finish enhances safety and grip
- Cotton interlock liner absorbs perspiration and adds to comfort
- Two piece liner without seams in the working area eliminates hand irritation
- Open (uncoated) back allows ventilation
- Knitwrist prevents entry of debris
- Anatomically shaped to provide good fit
- Washable

#### Applications

- Agriculture
- Construction
- Gardening
- Quarrying
- Refuse Collection
- Warehousing

#### Special Options

- Bacteriostatic & Fungicidal Additives (Sanitized)
- Variety in knitwrist colours



NAME	PRODUCT CODE	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
PARAGON	61KHR/AI	CRINKLED	7,8,9,10	255(7),265(8),275(9),275(10)	GREEN,ORANGE

# PROTECTIVE GLOVES

**DPL**  
Handling you with care

**GRIP-IT**



- FABRIC SUPPORTED
- FULLY COATED
- NATURAL RUBBER GLOVES
- WITH KNITWRIST

## Features & Benefits

- Fully coated for extra protection
- Thick crinkled finish enhances safety and grip
- Brushed cotton interlock liner absorbs perspiration and improves comfort
- Two piece liner without seams in the working area eliminates hand irritation
- Knitwrist prevents entry of debris
- Anatomically shaped to provide good fit
- Washable

## Applications

Assembly & Maintenance  
Carpentry  
Construction  
DIY  
Forestry  
Galvanizing  
Glass Industry  
Metallurgical Industry  
Mining  
Shipping & Warehousing

## Special Options

- Bacteriostatic & Fungicidal Additives (Sanitized)
- Variety in knitwrist colours & coating



NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	COLOURS
GRIP-IT	61KFR/AI	CRINKLED	8,9,10	265(8),275(9),275(10)	BLUE

# PROTECTIVE GLOVES



**HOLD-IT**



- FABRIC SUPPORTED
- FULLY COATED
- NATURAL RUBBER GAUNTLET
- WITH SUEDE PALM

## Features & Benefits

- Suede finished palm for safe handling and good grip
- Fully coated for extra protection
- Cotton interlock liner absorbs perspiration and adds to comfort
- Two piece liner without seams in the working area eliminates hand irritation
- Anatomically shaped to provide good fit
- Extended gauntlet cuff to protect forearm
- Liquid proof for use in wet conditions
- Durable and washable
- Loop on liner to hang dry the glove

### Applications

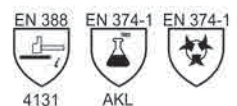
Abrasive Material Handling  
DIY  
Janitorial  
Light Industrial

### Special Options

- Bacteriostatic & Fungicidal Additives (Sanitized)



NAME	PRODUCT CODE	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
HOLD-IT	61GFM/CIII	6 1/2, 7 1/2, 8 1/2, 9 1/2, 10 1/2	300	1.40	DARK BLUE OVER LIGHT BLUE



# PROTECTIVE GLOVES



**HAND-IT**



- FABRIC SUPPORTED
- FULLY COATED
- NATURAL RUBBER GAUNTLET
- WITH SMOOTH PALM

## Features & Benefits

- Fully coated for extra protection
- Cotton interlock liner absorbs perspiration and adds to comfort
- Two piece liner without seams in the working area eliminates hand irritation
- Anatomically shaped to provide good fit
- Extended gauntlet cuff to protect forearm
- Liquid proof for use in wet conditions
- Durable and washable
- Loop on liner to hang dry the glove

### Applications

Fishing Industry  
Ink & Dye Manufacturing  
Perfume Preparation  
Polyester Coating

### Special Options

- Bacteriostatic & Fungicidal Additives (Sanitized)



NAME	PRODUCT CODE	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
HAND-IT	61GFP/CIH	6 1/2, 7 1/2, 8 1/2, 9 1/2, 10 1/2	300	1.25	BLUE

# PROTECTIVE GLOVES

**DPL**  
Handling you with care

**RUF-IT**



- FABRIC SUPPORTED
- FULLY COATED
- NATURAL RUBBER GAUNTLET
- WITH CRINKLED PALM

## Features & Benefits

- Crinkled palm enhances protection and grip
- Fully coated for extra protection
- Cotton interlock liner absorbs perspiration and adds to comfort
- Two piece liner without seams in the working area eliminates hand irritation
- Anatomically shaped to provide good fit
- Extended gauntlet cuff to protect forearm
- Liquid proof for use in wet conditions
- Durable and washable
- Loop on liner to hang dry the glove

## Applications

Deep Sea Fishing  
Forestry & Timber Handling  
Glass & Metal Industry  
Oyster Farming  
Quarrying & Mining

## Special Options

- Bacteriostatic & Fungicidal Additives (Sanitized)



NAME	PRODUCT CODE	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
RUF	61GFR/CIII	6 1/2, 7 1/2, 8 1/2, 9 1/2, 10 1/2	300	1.80	ORANGE, GREEN

# PROTECTIVE GLOVES



**MAX-IT**



- FABRIC SUPPORTED
- FULLY COATED
- NATURAL RUBBER GAUNTLET
- WITH EXTRA CRINKLED PALM

## Features & Benefits

- Extra crinkled palm maximizes protection and grip
- Fully coated for extra protection
- Cotton interlock liner absorbs perspiration and adds to comfort
- Two piece liner without seams in the working area eliminates hand irritation
- Anatomically shaped to provide good fit
- Extended gauntlet cuff to protect forearm
- Liquid proof for use in wet conditions
- Durable and washable
- Loop on liner to hang dry the glove

### Applications

Barbed Wire Fencing  
Glass Industry  
Metallurgical Industry  
Oyster Farming  
Quarrying & Mining

### Special Options

- Bacteriostatic & Fungicidal Additives (Sanitized)



NAME	PRODUCT CODE	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
MAX-IT	61GFX/CIII	6 <sup>1/2</sup> , 7 <sup>1/2</sup> , 8 <sup>1/2</sup> , 9 <sup>1/2</sup> , 10 <sup>1/2</sup>	300	2.00	GREEN OVER BLUE



# PROTECTIVE GLOVES



## GRA-NIT/INFI-NIT



- FABRIC SUPPORTED
- HEAVY DUTY
- NITRILE GLOVES ON JERSEY LINER WITH KNITWRIST / SAFETY CUFF

### Features & Benefits

- Thick nitrile coating for special performance Excellent abrasion, blade cut and puncture resistance
- Available in full and half coated versions
- Cotton jersey liner absorbs perspiration and improves comfort
- Two piece liner without seams in the working area eliminates hand irritation
- Knitwrist in Gra-nit prevents entry of debris
- Safety Cuff in Infi-nit allows quick-on/quick off and protects wrist area
- Durable and washable

### Applications

Assembly & Maintenance  
 Carpentry Construction  
 Handling Cables & Couplings  
 Heavy Metal Fabrication  
 Oil Industry  
 Refuse Collection  
 Shipping & Warehousing

NAME	PRODUCT CODE	GUFF	COATING	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
GRA-NIT	8JKHP/AI	KNITWRIST	HALF	8,9,10,11	250(8),260(9),270(10),270(11)	1.40	BLUE
GRA-NIT	8JKFP/AI	KNITWRIST	FULL	8,9,10,11	250(8),260(9),270(10),270(11)	1.40	BLUE
INFI-NIT	8JSHP/AI	SAFETY CUFF	HALF	8,9,10,11	260(8),270(9),280(10),280(11)	1.40	BLUE
INFI-NIT	8JSFP/AI	SAFETY CUFF	FULL	8,9,10,11	260(8),270(9),280(10),280(11)	1.40	BLUE

# PROTECTIVE GLOVES



## KNOCK-IT



• SEAMLESS KNITTED POLYCOTTON LINER WITH NATURAL RUBBER COATING

### Features & Benefits

- Unique patented construction with band across knuckles to prevent injury due to hands knocking against hard surfaces
- Thin coating improves sensitivity and dexterity
- Crinkled finish for excellent grip in wet and dry conditions
- Polycotton seamless liner for excellent comfort and fit
- Ergonomically designed to reduce hand fatigue
- Open back ensures ventilation and breath ability



### Applications

- Automotive Industry
- Construction
- Fabrication
- Refuse Collection
- Timber Handling
- Warehousing

### Special Options

- Bacteriostatic & Fungicidal Additives (Sanitized)
  - Nitrile coating
  - Stretch liner version
  - Branded strap

NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
KNOCK-IT	6PBNZNC/A	CRINKLED	8,9,10	252(8),260(9),270(10)	1.40	GREEN/YELLOW,BLUE/YELLOW,ORANGE/YELLOW

# PROTECTIVE GLOVES

**DPL**  
Handling you with care

## VIKING PLUS



• SEAMLESS KNITTED POLYCOTTON LINER WITH NITRILE COATING

### Features & Benefits

- Durable and specifically resistant coating offers better protection
- Open back ensures ventilation and breathability
- Ergonomically designed to reduce hand fatigue
- Nitrite rubber for resistance against grease, oil and hydrocarbons
- Thin coating improves sensitivity and dexterity
- Polycotton seamless liner for excellent comfort and fit

### Applications

Automotive Industry  
Construction  
General Purpose  
Refuse Collection  
Timber Handling  
Warehousing

NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
VIKING PLUS	8PANZPM/A	MATT	7,8,9,10	244(7),252(8),260(9),270(10)	1.50	GREEN/GREY,BLUE/GREY

# PROTECTIVE GLOVES



## SAMURAI



• SEAMLESS KNITTED KEVLAR LINER WITH NATURAL RUBBER COATING

### Features & Benefits

- Special coating to protect hands while allowing flexibility and dexterity
- Kevlar liner provides superior protection against cuts, slashes and abrasion
- Special contoured glove shape to reduce hand fatigue
- Crinkled finish for excellent grip in both wet and dry conditions
- Open back ensures ventilation and breathability

### Applications

- Automotive Industry
- Bottling & Canning
- Construction
- General Purpose
- Glass Handling
- Refuse Collection
- Sheet Metal Handling
- Timber & Panel Handling

### Special Options

- Bacteriostatic & Fungicidal Additives (Sanitized)



NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
SAMURAI	6KANZPC/A	CRINKLED	7,8,9,10	235(7),245(8),255(9),265(10)	1.90	BLUE/YELLOW
SAMURAI	6KBNZPC/A	CRINKLED	7,8,9,10	235(7),245(8),255(9),265(10)	2.20	BLUE/YELLOW

# PROTECTIVE GLOVES

**DPL**  
Handling you with care

**Cut 5**



• SEAMLESS KNITTED HIGH CUT RESISTANT LINER WITH NATURAL RUBBER COATING

## Features & Benefits

- Manufactured using a special liner made of engineered fibers including Kevlar for excellent cut resistance
- Precise and contoured dip lines combine maximum cut protection with flexibility and dexterity
- Knitted seamless liner provides exceptional comfort and fit
- Crinkled finish offers better dry and wet grip
- Open back ensures ventilation and breathability

## Applications

Automotive Industry  
Bottling & Canning  
Ceramic & Glass Industry  
Lathe Work  
Metal Fabrication  
Sheet Metal Handling

## Special Options

- Bacteriostatic & Fungicidal Additives (Sanitized)
- Coating up to knuckles (6GBNZKC)



NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
CUT 5	6GBNZPC/A	CRINKLED	7,8,9,10	235(7),245(8),255(9),265(10)	2.2	BLUE/YELLOW

# PROTECTIVE GLOVES



## SHEER PRO



- FABRIC SUPPORTED
- FULLY COATED
- NEOPRENE GAUNTLET
- WITH GRIP PATTERN

### Features & Benefits

- Fully coated for extra protection
- Unique liquid proof construction
- High flexibility and dexterity
- Grip pattern on glove to ensure secure grip in both wet and dry conditions
- Cotton seamless liner for excellent comfort and fit
- Extended gauntlet cuff to protect forearm

### Applications

- Automotive Industry
- Beverage Industry
- Chemical Industry
- Food Industry
- Galvanizing

### Special Options

Sheer Pro Extra (liner with Kevlar blend)



NAME	PRODUCT CODE	GRIP	SIZES	LENGTH (MM)	THICKNESS (MM)	COLOURS
SHEER PRO	9CAGCFR	ROUGHENED	8,9,10,11	380	1.40	BLACK

# PROTECTIVE GLOVES



## RESIST-O



- Seamless Knitted Nylon
- Spandex Liner
- with Nitrile Coating

### Features & Benefits

- Specially constructed coating for superior grip on oily surfaces and to protect user from oil ingress.
- Nylon / Spandex liner offering greater flexibility, dexterity and comfort.
- Specially contoured to reduce hand fatigue.

### Applications

Oil Refining  
 Oil Rigging  
 Automotive Industry  
 Aerospace  
 Assembly  
 Construction  
 Any application  
 where oil is in contact

NAME	PRODUCT CODE	GRIP	SIZES	COATING	CUFF	COLOURS
RESIST-O	8NSNZTS/A	FOAM FINISHED PALM	7,8,9,10	FULL	NORMAL OVERLOCKED	BLACK ON ORANGE

# PROTECTIVE GLOVES



## XTRALITE



- Seamless Knitted Nylon
- Spandex Liner
- With Light Nitrile Foam Coating

### Features & Benefits

- Breathable coating to keep hands cool and dry.
- Extra light foam coating for ultimate flexibility & dexterity.
- 'Stretch to fit' design for excellent snug and comfortable fit.
- Ergonomically designed to reduce hand fatigue.
- Manufactured using an environmentally friendly solvent free process.

### Applications

Light Engineering  
 Computer Hardware Assembly  
 Painting Industry  
 Warehousing  
 Refuse Collection  
 General Purpose

NAME	PRODUCT CODE	GRIP	SIZES	COATING	CUFF	COLOURS
XTRALITE	8NSNZPF	NATT	7,8,9,10	PALM	NORMAL OVERLOCKED	BLACK



# PROTECTIVE GLOVES



## HAMMER-IT



- Seamless Knitted Stretchable Polycotton
- Liner with Natural Rubber Coating.

### Features & Benefits

- Special construction for added protection in hammering nails.
- Stretchable polycotton seamless liner for excellent comfort and snug fit.
- Ergonomically designed to reduce hand fatigue.
- Extra durable coating for better protection.
- Breathable open back.

### Applications

Construction  
DIY Activities

NAME	PRODUCT CODE	GRIP	SIZES	COATING	CUFF	COLOURS
HAMMER-IT	6PSNZPH/A	crinkled	7,8,9,10	PALM	NORMAL OVERLOCKED	BLACK

# PROTECTIVE GLOVES



## LAUREL PLUS



• Long Cuff Gauntlet Cotton Liner With Nitrile Coating

### Features & Benefits

- Special nitrile coating provides protection against selected chemicals and oil
- Cotton interlock liner provides comfort during extended use
- The granulated palm provides ideal grip
- Ergonomically designed for excellent fit and to reduce hand fatigue

### Applications

Industrial Kitchens  
Chemical processing  
Oil refineries  
fisheries

NAME	CODE	FINISH	SIZES	LENGTH	ELASTOMER	CUFF	COLOURS
LAUREL PLUS	8IGFG	GRANULATED	7,8,9,10,11	35/50cm	NITRILE	GAUNTLET	BLUE

# PROTECTIVE GLOVES



## KETOHANDLER

Light weight Ketone Resistant Glove

### Features & Benefits

- Exceptional chemical protection against a wide range of ketones.
- Light weight to offer better sensitivity with a 'second skin' feel.
- Anatomically shaped for comfort.
- Minimal allergy risks.



### Applications

Ink and paint industries  
 Manufacturing gums  
 resins and composite material  
 Metal treatment using solvents  
 Printing industry  
 Manufacture of plastics  
 Handling of ketones in laboratories



NAME	PRODUCT CODE	GRIP	SIZES	THICKNESS	LENGHT	COLOURS
KETPHANDLER	711U-28.33	SMOOTH	9,10,11	0.28mm	33cm	BLUE

## ESD PLUS

Low Surface Resistant nitrile glove with an extended cuff

### Features & Benefits

- Compliant with EN 16352:2014 ( Protective Gloves- Electro Static Property)
- Superior in flexibility, dexterity, tactile sensitivity and chemical performance
- Different versions (ESD & chemical performance, ESD only, ESD supported versions)



### Applications

Automotive paint booth  
 Spray powder industry  
 Spray paint industry  
 Static discharge hazards  
 Appliance manufacturing

NAME	PRODUCT CODE	SIZES	THICKNESS	LENGHT	COLOURS
ESD PLUS	211C-55.40	8	0.55mm	400mm	BLACK-D5

# PROTECTIVE GLOVES

## WELDING GLOVE



**Rhino Safety**

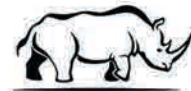
### Features & Benefits

- Excellent durability
- Comfortable cotton jersey lining
- Die cut to ensure consistency of size
- Full lining for better protection



NAME	SIZES	PRODUCT CODE	LENGTH
Welding glove	ONE SIZE	111032	40 CM

## SINGLE PALM LEATHER GLOVE



**Rhino Safety**

### Features & Benefits

- Selected leather palm and Cotton canvas in back
- Excellent tear resistance and good abrasion resistance
- Half lining for more comfort



NAME	SIZES	Product code
Single palm leather glove	10.5"	11008



# PROTECTIVE GLOVES

## DOUBLE PALM LEATHER GLOVE



**Rhino Safety**

### Features & Benefits

- Double thickness of leather on palm for extra durability
- Rubberised safety cuff with vein patch for extra protection
- Half lining for more comfort
- Excellent abrasion and puncture resistance

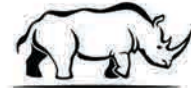


CE CAT II



NAME	SIZES	PRODUCT CODE
Double palm leather glove	10.5"	11013

## FULL LEATHER GLOVE



**Rhino Safety**

### Features & Benefits

- Full split leather welding glove
- Internal double palm
- Reinforcement around thumb
- Split leather 7cm cuff



### Applications

Handling Sharp Objects  
 Handling Sheet metal  
 Glass Handling  
 Automotive  
 Welding

NAME	SIZES	cuff length	PRODUCT CODE
Full leather glove	10.5"	7 CM	ISP-W7

CE CAT III



444X4X

4243

# PROTECTIVE GLOVES

## CHAINEX



### Features & Benefits

- Light weight and ergonomic design for extended use without excessive fatigue.
- High- quality materials and manufacturing know-how result in a strong and long-lasting products
- Reversible steel-mesh gloves, available with either plastic or textile wrist strap.



## MIG FIT

### Honeywell



### Features & Benefits

- Fully wool-lined providing superior comfort and absorbency
- Aluminized carbon KEVLAR back that protects against radiant heat molten metal splash
- Ideal for air conditioning manufacturing, automotive industries, bakeries, ceramic plants, general appliance industries, heating, metal stamping operations, and operations requiring high heat and steam protection applications.
- Length 36cm

## COTTON PVC DOTTED GLOVES



### Features & Benefits

- Dotted gloves with Red knited wrist available in 8 Oz, 10 Oz, 12 Oz & 14 Oz.
- PVC dotted for better handing

# PROTECTIVE GLOVES

**DPL**  
*Handling you with care*



MANUFACTURED  
ON A PURPOSE BUILT  
PRODUCTION LINE

COMPLIES TO  
ASTM D120-08

TESTED/CERTIFIED  
AS PER EN 60903:2003  
STANDARD

EACH GLOVE IS INSPECTED/TESTED  
FOR ELECTRICAL INSULATION

PROOF VOLTAGE  
TESTED ON PREMIUM  
GRADE TEST  
MACHINE CUSTOM  
MADE IN USA

**RUBBER GLOVES FOR ELECTRICAL  
INSULATION**

# PROTECTIVE GLOVES

## LINEPRO



RANGE	CLASS 00	CLASS 0	CLASS 1	CLASS 2	CLASS 3
Marking tag colour	Beige	Red	White	Yellow	Green
Thickness mm (Max) En60903	1.10	1.60	2.10	2.90	3.5
Thickness mm (Max) ASTMD120	0.75	1.02	1.52	2.29	2.29
Lenght mm EN60903	280, 360 (+/-15)	280, 360, 410 (+/-15)	360, 410 (+/-15)	360, 410 (+/-15)	360, 410 (+/-15)
Lenght inches ASTMD120	11, 14 (+/-0.5)	11, 14, 16 (+/-0.5)	14, 16 (+/-0.5)	14, 16 (+/-0.5)	14, 16 (+/-0.5)
Size range	8,8 <sup>1/2</sup> , 9, 9 <sup>1/2</sup> , 10, 10 <sup>1/2</sup> , 11	8,8 <sup>1/2</sup> , 9, 9 <sup>1/2</sup> , 10, 10 <sup>1/2</sup> , 11	8,8 <sup>1/2</sup> , 9, 9 <sup>1/2</sup> , 10, 10 <sup>1/2</sup> , 11	8,8 <sup>1/2</sup> , 9, 9 <sup>1/2</sup> , 10, 10 <sup>1/2</sup> , 11	8,8 <sup>1/2</sup> , 9, 9 <sup>1/2</sup> , 10, 10 <sup>1/2</sup> , 11
Cuff profile	Straight	Straight	Straight	Straight	Straight
PPE category	III	III	III	III	III
category	A, C	A, C	A, C	A, H, C	H, C
Proof test Voltage AC(V)	2, 500	5, 000	10, 000	20, 000	30, 000
Max Working Voltage AC(V)	500	1, 000	7, 500	17, 000	26, 500
Withstand test Voltage AC(V) En60903	5, 000	10, 000	20, 000	30, 000	40, 000
Maximum Breakdown Voltage AC(V) ASTMD120	4, 000	6, 000	20, 000	30, 000	40, 000

Includes additional 0.60mm allowed in EN 60903 for categories A and H

### Fields of use

Power Companies (Utilities) Electrical Workshops Installation, Maintenance and Repairs Involving High voltage Equipment

- Made with special grade natural rubber compounds for assured electrical protection
- Superior anatomical construction results in lower hand fatigue
- Higher flexibility for long duration wear comfort
- Choice of colors (black, Red, natural)
- Wide range of sizes includes half sizes for a perfect fit
- ASTM color coded marking shows working voltage for reference and safety
- Packed in opaque UV resistant bags and individual boxes for product protection.



# PROTECTIVE GLOVES



## ASTMD120-08

EACH GLOVES IS MARKED WITH THE FOLLOWING ON THE SPECIFIC COLOUR CODED LABEL:

- Name of Manufacturer/ Supplier
- ANSI/ ASTM 120
- Maximum Working Voltage
- Size
- Batch Number marked separately

## EN 60903:2003

EACH GLOVES IS MARKED WITH THE FOLLOWING:

- EN 60903:2003
- Symbol IEC 60417-5216
- Name, Trademark or Identification of the Manufacturer
- Category if applicable
- Size
- Month and year of manufacture
- CE mark if applicable
- Lot Number

## Marking

**10** **RISLLC / DPL**  
ANSI/ASTM CLASS 2 MAX USE VOLT D120 TYPE 1 17000V AC

EN 60903:2003  
IEC 60903:2002

**DPL**  
**LINEPRO**  
CLASS 2 / A,C,H  
SIZE 10  
11/09

CE 0120

LOT

--	--	--	--	--

# PROTECTIVE GLOVES



## Powder Free Latex Examination Gloves



DPL PALM-PRO POWDER FREE examination gloves are especially processed to ensure low levels of extractable chemicals and water soluble proteins. Made of Natural Rubber, these high quality gloves provides superior comfort, fit, dexterity, tactile sensitivity and good grip in both dry and wet conditions.

DPL PALM-PRO

### Key Product Features

Extractable protein content : Less than 50ug/g of glove  
Particulate Residue : 2 mg/glove or below  
Glove Design : Ambidexterous  
Surface : Textured  
Cuff : Beaded  
Glove Finish : Polymer or Chlorine  
Color : Natural

### Quality Level :

AQL 1.5 for pinholes  
Manufactured in conformance to  
European Council Directive 93/42/EEC  
EN 374 & EN 420:2003  
EN 455-1,2,3,4  
ASTM D 3578-05  
AS/NZS 4011:1997

Size	Palm Width (mm)	Available Length
Extra Small	77 +/- 5	240mm & 280mm
Small	85 +/- 5	240mm & 280mm
Medium	95 +/- 5	240mm & 280mm
Large	108 +/- 5	240mm & 280mm
Extra Large	117 +/- 5	240mm & 280mm

### Packaging :

100 gloves per dispenser box by weight and 10 boxes per case

### Caution :

This product contains natural rubber latex which may cause allergic reactions in some individuals. Safe use by latex sensitized individuals has not been established.

# PROTECTIVE GLOVES



## Powder Free Nitrile Examination Gloves



DPL PALM-PRO POWDER FREE NITRILE EXAMINATION GLOVES are especially formulated for greater dexterity, without the use of plasticizers, resulting in a higher level of comfort to the wearer, through reduced finger fatigue. These gloves also have better tactile sensitivity. Made of 100% Nitrile, free of natural rubber latex, These high quality gloves reduce the potential risk of Type I Allergies.

DPL PALM-PRO

### Key Product Features

- Particulate Residue : 2 mg/glove
- Glove Design : Ambidexterous
- Surface : Textured
- Cuff : Beaded
- Glove Finish : Powder Free
- Color : Blue or Whit

### Quality Level :

AQL 1.5 for pinholes  
 Manufactured in conformance to  
 European Council Directive 93/42/EEC  
 EN 455-1,2,3,4  
 AS/NZS 4011:1997

Size	Palm Width (mm)	Available Length
Extra Small	77 +/- 5	240mm & 280mm
Small	80 +/- 5	240mm & 280mm
Medium	95 +/- 5	240mm & 280mm
Large	110 +/- 5	240mm & 280mm
Extra Large	115 +/- 5	240mm & 280mm

Packaging :  
 100 gloves per dispenser box by weight and 10 boxes per case

# PROTECTIVE GLOVES



## High Risk Disposable Gloves



DPL PALM-PRO HIGH RISK POWDER FREE examination gloves are designed to provide the user with extra protection over the wrist and arm area and are especially processed to ensure low levels of extractable chemicals and water soluble proteins. Made of Natural Rubber, these high quality gloves provide excellent comfort, fit, dexterity, tactile sensitivity and good grip in both dry and wet conditions.



### Key Product Features

- Extractable protein content : Less than 50ug/g of glove
- Particulate Residue : 2 mg/glove or below
- Glove Design : Ambidexterous
- Surface : Textured
- Cuff : Beaded
- Glove Finish : Chlorine

### Quality Level :

AQL 1.5 for pinholes  
Manufactured in conformance to  
European Council Directive 93/42/EEC  
EN 455-1,2,3,4  
EN 374 & EN 420:2003  
ASTM D 3578-05  
AS/NZS 4011:1997

Size	Palm Width (mm)	Available Length
Extra Small	77 +/- 5	280mm & 300mm
Small	85 +/- 5	280mm & 300mm
Medium	95 +/- 5	280mm & 300mm
Large	108 +/- 5	280mm & 300mm
Extra Large	115 +/- 5	280mm & 300mm

### Packaging :

50 gloves per dispenser box by weight and 10 boxes per case

### Caution :

This product contains natural rubber latex which may cause allergic reactions in some individuals. Safe use by latex sensitized individuals has not been established.



# FALL PROTECTION



# FALL PROTECTION



## Safety Harness : Falcon

### Product Specifications :

- Material: 100% Polyester Color: Green/Black
- 1 pc dorsal attachment D-ring
- 2 pcs side D-ring on waist belt
- 2 webbing loops on front
- PE material buckle type chest strap.
- Each 1 pc plastic pad on the cross of chest strap and shoulder strap.
- Adjustable chest strap and thigh strap
- Ideally positioned sit strap for extended comfort
- Comfort pad on waist strap
- Strength>23KN
- Meet CE quality
- Certifications : EN361, EN358

Dorsal attachment D ring

Stitching: high strength polyamide thread

Polyester webbing 45mm  
Breaking strength > 23KN

Ergonomic cushioned back pad

Adjustable cushioned thigh straps

Quick adjustment buckles high-strength zinc-plated steel. Detachable.

Details: Single webbing width: 45MM length: 1.5M-2M with adjustor Material: polyester  
One pc normal karabiner with shock absorber  
One pc big forged hook



# FALL PROTECTION



## Safety Harness : Elite

- **Product Specifications :**  
Material: 100% Polyester Color: Black  
1 pc dorsal attachment D-ring  
Metal buckle type chest strap.  
Adjustable chest strap and thigh strap  
Ideally positioned sit strap for extended comfort  
1 additional strap on back  
Strength>23KN  
Meet CE quality  
Certifications: EN361, EN358



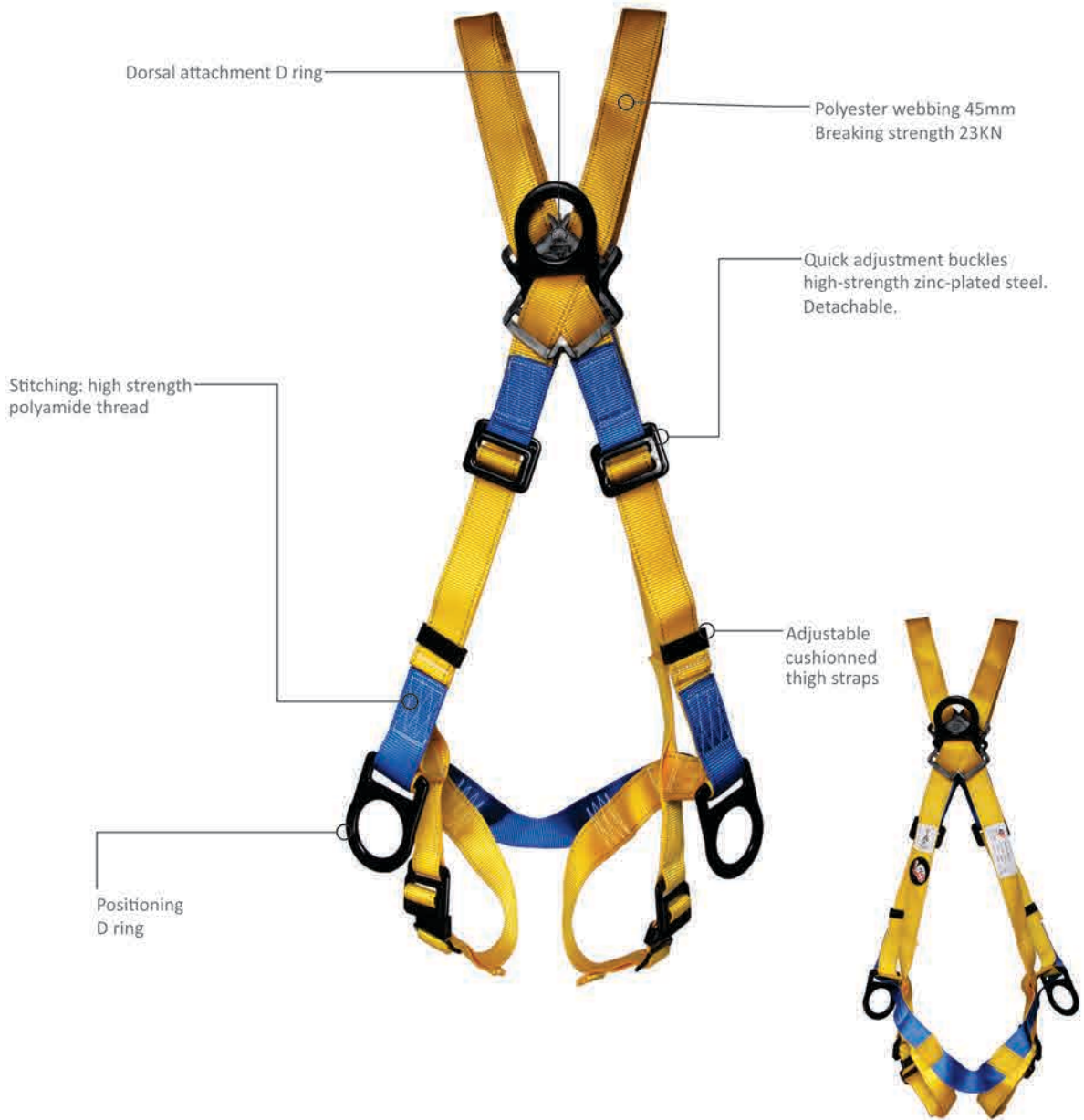
# FALL PROTECTION



**ANTI-STATIC**

## Safety Harness : Orion

- **Product Specifications :**
  - Material: 100% Polyester Color:Black/Blue
  - 1 pc dorsal attachment D-ring
  - 1 pc front attachment D-ring
  - 2 pcs D-ring on hip
  - Adjustable shoulder strap waist and thigh strap
  - All metal parts are anti-static
  - Ideally positioned sit strap for extended comfort
  - Strength>23KN
  - Meet CE quality
  - Certifications: EN361, EN358





# FALL PROTECTION



## Safety Harness : Thunder

### Product Specifications :

- Material: 100% Polyester Color: Red/Black
- 1 pc dorsal attachment D-ring with comfort pad
- 2 pcs side D-ring on waist support belt
- comfort pad on waist support belt, shoulder strap and thigh strap.
- Adjustable chest strap, waist strap, thigh strap and shoulder strap
- Strength > 23KN
- Meet CE quality
- Certifications: EN361, EN358



Details: Twin webbing width: 25MM length: 1.5M-2M with adjustor  
Material: polyester  
One pc middle hook with shock absorber  
Double big forged hook



High strength polyester webbing 44 mm

Stitching: high strength polyamide thread

CE label including serial number

Speedy Alu automatic buckles

Forged aluminium positioning D-ring

Many gear-loops

Reinforced webbings



Details: Single webbing width: 45MM length: 1.5M-2M with adjustor  
Material: polyester  
One pc normal karabiner with shock absorber  
One pc big forged hook



# FALL PROTECTION



## Safety Harness : Golden Eagle

### Product Specifications :

- Material: 100% Polyester Color:Yellow /Blue
- 1 pc dorsal attachment D-ring with comfort pad
- 2 pc D-ring on front shoulder strap
- With 2 pcs reflective tape on the back shoulder strap
- Metal buckle type chest strap.
- Adjustable chest strap, shoulder strap, waist belt and thigh strap
- Ideally positioned sit strap for extended
- Strength>23KN
- Meet CE quality
- Certifications: EN361, EN358

Main webbing made from polyester. Double colour for a easy identification of chest part and leg-loops

High strength stitchings made from polyamid thread

Chest fastening webbing

Polyester webbing 45mm Breaking strength > 23kN

Two single fall-arrest attachment points steel

Steel fall-arrest D ring fastened by a plastic plate

Adjustable cushioned thigh straps

Quick adjustment buckles high-strength zinc-plated steel. Detachable.

Details: Single webbing width: 45MM length: 1.5M-2M with adjustor Material: polyester  
 One pc normal karabiner with shock absorber  
 One pc big forged hook



# FALL PROTECTION



## Safety Harness : Commander

- Product Specifications :**  
 Material: 100% Polyester Color:Blue  
 1 pc dorsal attachment D-ring with comfort pad  
 2 pcs side D-ring on waist support belt  
 There is grommet on waist strap  
 Two pocked on shoulder strap  
 Comfort pad on waist support belt and thigh strap  
 Ideally positioned sit strap for extended comfort  
 Adjustable chest strap,waist strap and thigh strap and shoulder strap.  
 Strength>23KN  
 Meet CE quality  
 Certifications: EN361, EN358



Details: Single webbing width: 45MM length: 1.5M-2M with adjuster Material: polyester  
 One pc normal karabiner with shock absorber  
 One pc big forged hook

# FALL PROTECTION



## Golden Top Evo Alu

The most comfortable harness for work involving suspension, thanks to the innovative and ergonomic back padding.

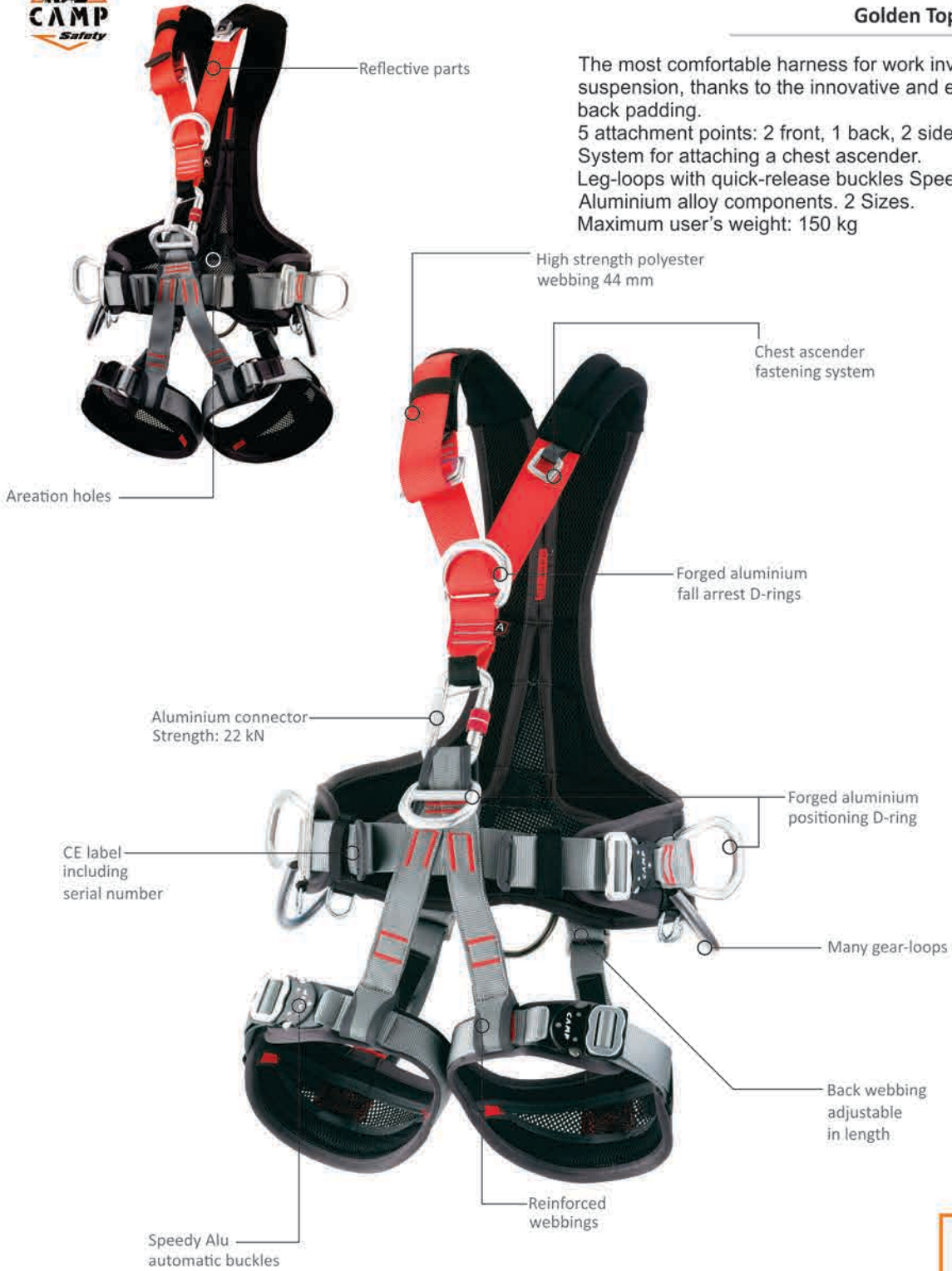
5 attachment points: 2 front, 1 back, 2 side.

System for attaching a chest ascender.

Leg-loops with quick-release buckles Speedy Alu.

Aluminium alloy components. 2 Sizes.

Maximum user's weight: 150 kg



### NEW PATENT!

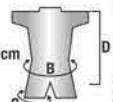
Attachment system between the chest and waist that allows the user to attach and detach the connector quickly and easily



- = Fall arrest attachment element
- = Attachment element for work positioning



1800 g



SIZE	B (cm)	C (cm)	D (cm)
1 S-L	70-110	45-65	55-75
2 L-XXL	80-130	55-75	65-85

CE EN 358 - EN 361 - EN 813



# FALL PROTECTION



## Golden Top Plus Alu

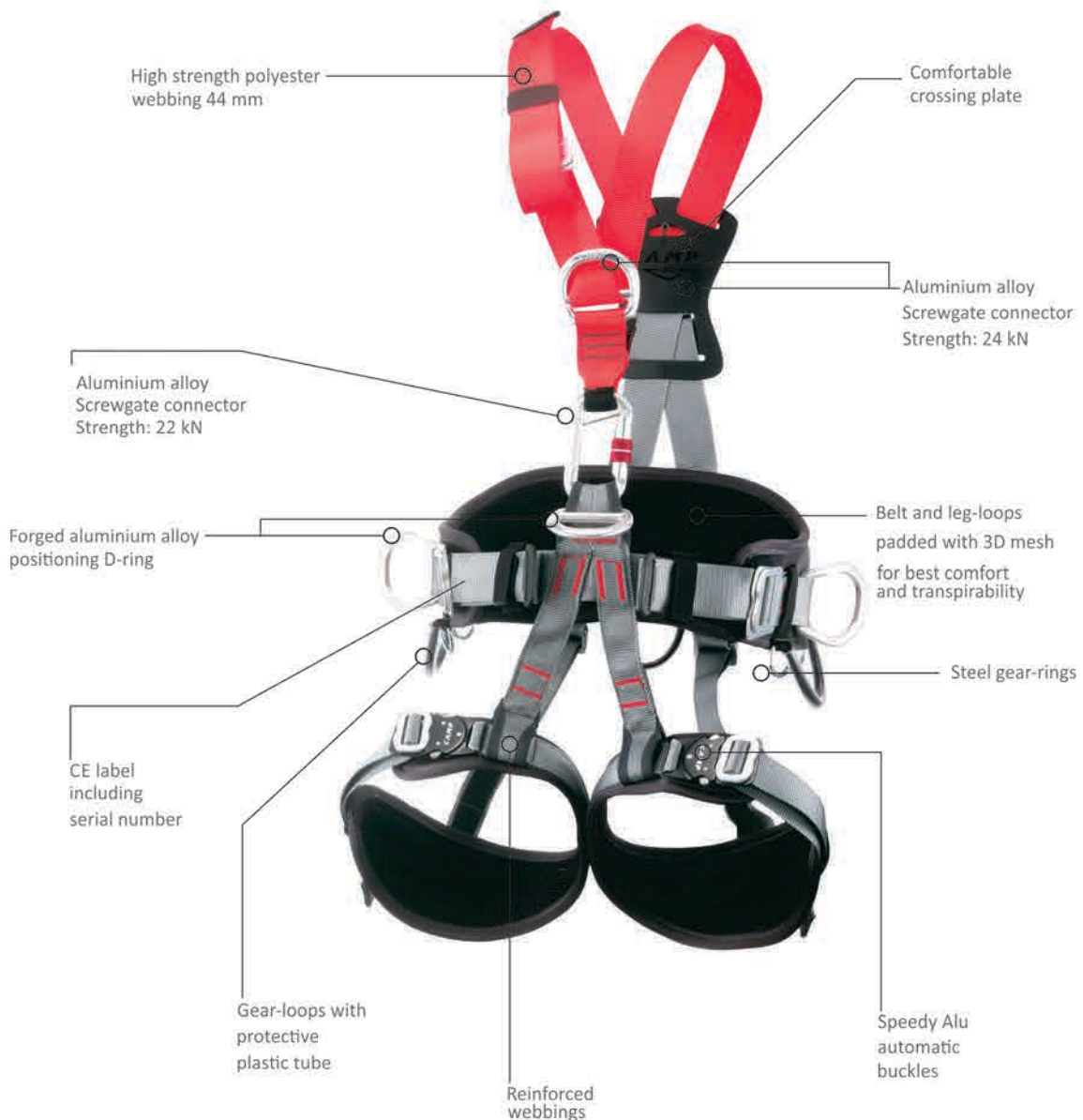
A versatile and lightweight full body harness for work involving suspension.

With 5 attachment points:

2 front, 1 back and 2 side

Aluminium alloy components for improved lightweight. Speedy Alu buckles on the leg-loops.

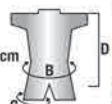
Maximum user's weight: 150 kg



● = Fall arrest attachment element

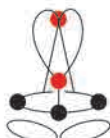
● = Attachment element for work positioning

1600 g



SIZE	B (cm)	C (cm)	D (cm)
1 S-L	70-110	45-65	55-75
2 L-XXL	80-130	55-75	65-85

CE EN 358 - EN 361 - EN 813



### NEW PATENT!

Attachment system between the chest and waist that allows the user to attach and detach the connector quickly and easily



# FALL PROTECTION



## Golden Top

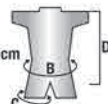
Full body harness for work involving suspension and climbing on metal structures.  
 4 attachment points: 1 front, 1 back, 2 side.  
 Steel components. 2 sizes.  
 Maximum user's weight: 150 kg



- = Fall arrest attachment element
- = Attachment element for work positioning



1700 g



SIZE	B (cm)	C (cm)	D (cm)
1 S-L	70-110	45-65	55-75
2 L-XXL	80-130	55-75	65-85

CE EN 358 - EN 361 - EN 813



# FALL PROTECTION

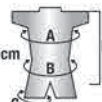


## Gravity

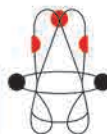
Full body harness with four attachment points:  
1 front, 1 back, 2 side.  
The new innovative padding, ergonomic and lightweight, wraps the user for maximum comfort.  
Aluminium alloy components for improved lightweight.



- = Fall arrest attachment element
- = Attachment element for work positioning



SIZE	A (cm)	B (cm)	C (cm)	D (cm)
1 S-L	80-120	70-110	45-65	55-75
2 L-XXL	90-140	80-130	55-75	65-85



CE EN 358 - EN 361 - EN 813

Adjustable back webbing for best comfort

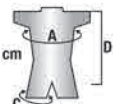
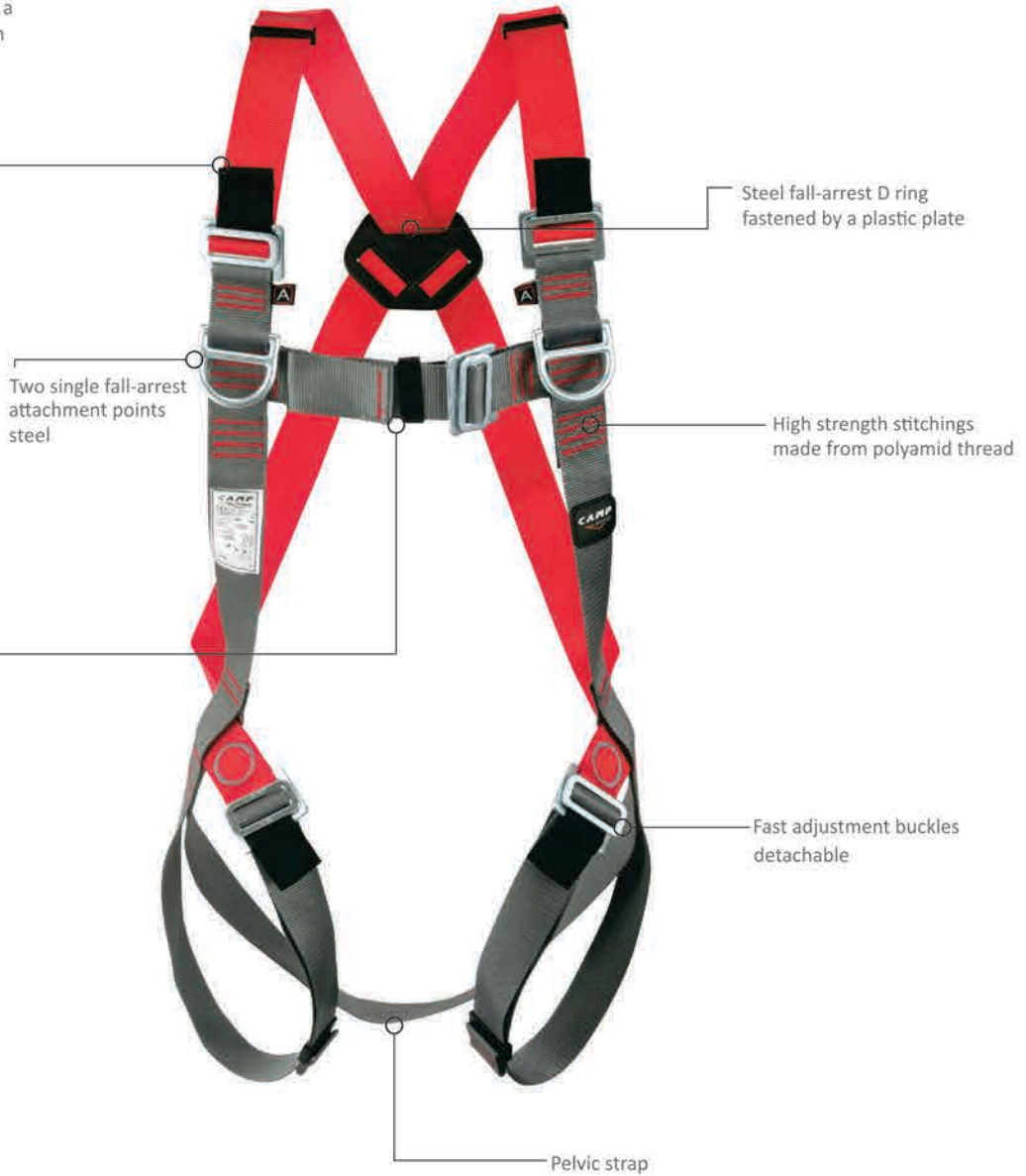
# FALL PROTECTION



## Vertical 2

Lightweight full body harness with 3 attachment points: 2 front, 1 back.  
 Easy Belt (ref.1268) and Vest (ref.1362) can be attached and detached easily.  
 Steel components.  
 One size fits all.

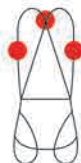
Main webbing made from polyester.  
 Double colour for a easy identification of chest part and leg-loops



● = Fall arrest attachment element

SIZE	A (cm)	C (cm)	D (cm)
ONE SIZE	80-140	45-75	55-85

CE EN 361



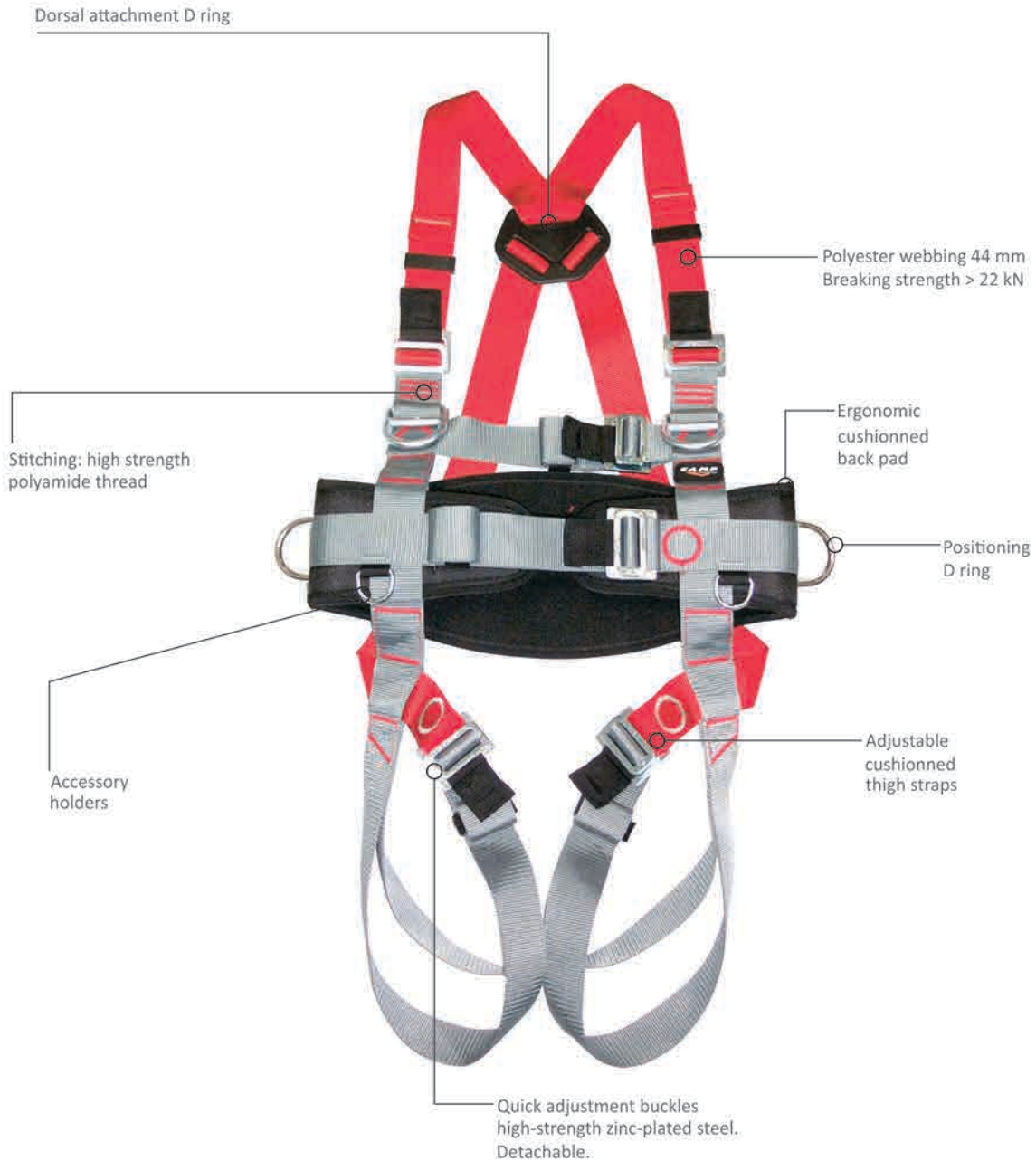


# FALL PROTECTION

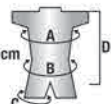


## Vertical 2 plus

Lightweight full body harness with 5 attachment points: 2 front, 1 back, 2 side.  
 Integrated padded positioning belt.  
 Steel components.  
 One size fits all.

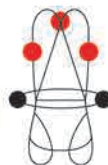


- = Fall arrest attachment element
- = Attachment element for work positioning



SIZE	A (cm)	B (cm)	C (cm)	D (cm)
ONE SIZE	80-140	70-130	45-75	55-85

CE EN 358 - EN 361



# FALL PROTECTION



## Shock Absorber

**g**  
225



Standard shock absorber to be used with lanyards up to 2 meters long.

Maximum extension: Fall Factor 1=90 cm – Fall Factor 2=160 cm

WEIGHT

225 g

SPECS

ID: 2029

Standard(s): EN 355

Length: 25 cm



## Shock Absorber Limited

**g**  
135



Shock absorber with limited extension to be used with lanyards up to 1.5 meters long.

Maximum extension: Fall Factor 1=50 cm – Fall Factor 2=70 cm

WEIGHT

135 g

SPECS

ID: 3029

Standard(s): EN 355

Length: 23 cm



## Shock Absorber 40cm

**g**  
180



40 cm standard shock absorber to be used with lanyards up to 2 meters long.

Maximum extension: 120 cm

WEIGHT

180 g

SPECS

ID: 102901

Standard(s): EN 355

Length: 40 cm



# FALL PROTECTION



Cobra 10

g  
4.8



Retractable fall arrester, cable length 10 m. Also certified for horizontal/inclined use if used in coordination with and energy absorbing lanyard (ref. 5030101). 4 mm galvanized steel cable, breaking load 12 kN. Complete with integrated energy absorber and swivel connector. ABS protection cover.

WEIGHT  
4.8 kg  
SPECS  
ID: 2076  
Standard(s): EN 360



Cobra 15

g  
7



Retractable fall arrester, cable length 15 m. Also certified for horizontal /inclined use if used in coordination with and energy absorbing lanyard (ref. 5030101). 4 mm galvanized steel cable, breaking load 12 kN. Complete with integrated energy absorber and swivel connector. ABS protection cover.

WEIGHT  
7 kg  
SPECS  
ID: 2077  
Standard(s): EN 360



Cobra 20

g  
9



Retractable fall arrester, cable length 20 m. Also certified for horizontal /inclined use if used in coordination with and energy absorbing lanyard (ref. 5030101). 4 mm galvanized steel cable, breaking load 12 kN. Complete with integrated energy absorber and swivel connector. ABS protection cover.

WEIGHT  
9 kg  
SPECS  
ID: 2078  
Standard(s): EN 360

# FALL PROTECTION



## Ladder

**g**  
2.3



Steel cable ladder with 33 steps, length 10 m. Constructed from 3 mm steel cable. Strength 8.5 kN. 30 cm between each step, step width 13 cm.

WEIGHT  
2.3 kg  
SPECS  
ID: 0268



## Rescue lifting Device

**g**  
13/14



Steel cable rescue system for use with the Tripod Evo (ref.1883). Automatic blocking brake and winch with sturdy steel handle. Supplied with a pulley for the tripod and a shock absorber. Maximum working load: 140 kg. Galvanized steel cable: 6.3 mm diameter.

WEIGHT  
0284 (20 m) – 13 kg  
028401 (25 m) – 14 kg  
SPECS  
ID: 0284 / 028401  
Standard(s): EN 1496



## Tripod Evo

**g**  
17.3



Tripod anchoring system with telescoping legs. The head has four connection points. Maximum working load: 500 kg. Breaking strength: 22 kN. Height is adjustable from 147 to 229 cm. Diameter: min 140 cm, max 213 cm. Packed size: 23 x 23 x 172 cm.

WEIGHT  
17 kg  
SPECS  
ID: 1883  
Standard(s): EN 795/B



# FALL PROTECTION



## Titanium 11mm

Rope able to support sever friction with high abrasion resistance. Perfect choice for work at a height with descenders, ascenders and fall arresters.

Available in four colours:  
1758: White with black line  
1758.01: Red  
1758.02: Yellow  
1759: Black

White-Black Ref.1758



Corda in grado di supportare l'attrito sever con elevata resistenza all'abrasione. Scelta perfetta per lavori in quota con discendenti, ascendenti e anticaduta.

Disponibile in quattro colori:  
1758: White with black line  
1758.01: Rosso  
1758.02: Giallo  
1759: Nero

Red Ref.1758.01



Corda capable de supporter les pires friction, tres sure avec une resistance elevee a l'abrasion. le choix parfait pour les travaux en hauteur avec des descenseurs, antichutes et bloqueurs.

Disponibile en quatre coulerus:  
1758: White with black line  
1758.01: Rouge  
1758.02: Jaune  
1759: Noir

Yellow Ref.1758.02



Cuerda perparada para soportar severas fricciones, muy segura, con alta resistencia a al abrasion. La eleccion perfect para trabajos en altura con sistemas de descenso, ascenso y los dispositivos anticaida.

Disponibileen cuatro colores:  
1758: White with black line  
1758.01: Rot  
1758.02: Gelb  
1759: Schwars

Black Ref.1759



Gegen schwerste reibung bestandiges seil, auerbst sicher, mit hoher abriebfestigkeit. Die perfekte wahl bei arbeiten in gorberer hohe mit abseil-, absturzsicherungs- und seiklemmvorrichtungen.

In vier farben verfugbar :  
1758: White with black line  
1758.01: Rojo  
1758.02: Amarillo  
1759: Negro

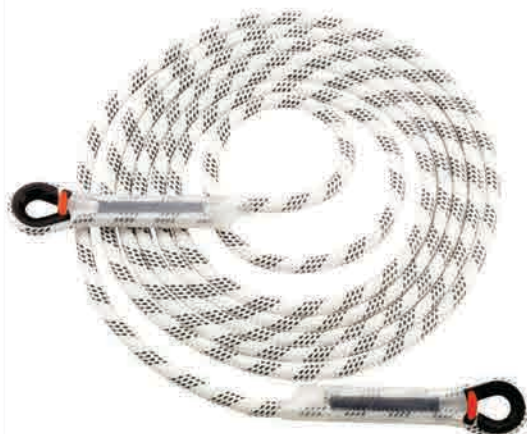
	Diameter	Static strength	Strength with Figure 8 Knot	Number of Factor 1 Falls	Impact Force Factor 0.3	Elongation 50/150 kg	Sheath slippage	Weight (g/m)	Sheath Percentage	Shrinkage in Water	Material
200 m	11 mm	2900 daN (kg)	2050 daN (kg)	15 (100 kg.)	5,60 kN	2,8%	0,8%	73 g.	36%	4%	Polyamide

## Titanium 11mm with end loops

EN 1891/A

Titanium rope 11mm, supplied cut to measure and with loops at both ends, stitching with strength 22kN. Loops and stitching covered with plastic protection.

Available Lengths:



MOODEL	LUNGHEZZA/LENGTH
190.05	5m, 570g
190.10	10m, 930g
190.15	15m, 1300g
190.20	20m, 1660g
190.25	25m, 2030g
190.30	30m, 2390g
190.40	40m, 3120g
190.50	50m, 3850g
190.60	60m, 4580g

# FALL PROTECTION



73x2



**Axion**



Our most durable gloves. Constructed from premium grade leather for a precise fit and reinforced in areas that usually see higher amounts of abrasion. A great choice for belaying your hang-dogging partners or for long rappels.

Premium grade leather gloves designed for maximum durability and dexterity with work on ropes. The palm features two layers of leather with Kevlar stitching. Elastic inserts on the back optimize flexibility. Soft rubber padding on the knuckles for protection from impacts. Neoprene cuff with Velcro closure. CE EN 388 certified for mechanical risks (protection values: abrasion 4, cutting 1, tearing 3, perforation 3).

Available in 5 sizes: S, M, L, XL, XXL.



475



**Skylor Plus**



Our most versatile industrial helmet certified for lateral deformation (LD), electrical insulation (440 V a.c.), very low temperature (-20°C), and molten metal splash (MM). Special slots allow for the seamless integration of ear protection and face visor. The padding is detachable so it can be washed, turn dial adjustment provides a perfect fit in seconds, and the chinstrap is equipped with an emergency opening system. Four clips for attaching a headlamp. Available in 5 colors.



340



**Armour Black**

Lightweight and comfortable helmet with an attractive design. Certified for mountaineering, to be used where this type of protective helmet is suitable for protection from falling hazards. ABS shell with large vent holes and high-density polystyrene on the interior to absorb the energy of a falling object before it reaches the head. Turn dial adjustment, padding can be removed for washing or replacement, head lamp holder clips, chin-strap can only be released with the main chin buckle.

Available in 7 colors.





# BODY PROTECTION





## Disposable Coverall

- Barrier against many inorganic chemicals in low concentrations and particles larger than 1µm
- Protection against particulate radioactive contamination  
Reliable Type 5 and 6 protection
- As a result of its unique manufacturing process, TYVEK® is permeable to air and water vapour
- Suitable for usage in Ex-Zones (as recommended on page 11)
- Easy to dispose off, does not contain halogen compounds
- Garment design offers ease of movement to the wearer



### tyvek® classic, model CHF5

- Ergonomic 3 piece hood allowing easy movement of head without disturbing the view of the wearer.
- TYVEK® zipper with zip flap for improved safety offering higher level of tightness.
- Elasticated cuffs and ankles for good fit of garment openings.
- Elasticated in waist for safe fit of garment and wearer comfort.

**Seams: External stitched seams for enhanced protection** against penetration from outside to inside of garment.

Colour/Reference:



White:  
TYV CHF5S WH 00



Green:  
TYV CHF5S GR 00



Blue:  
TYV CHF5S BU 00

Size: White: S to XXXL  
Coloured: S to XXL

### chemical Protective coveralls, category iii







## 3M™ Protective Coverall 4520

- Made using the latest lightweight, breathable material technology 3M presents the 3M™ Protective Coverall 4520, a PPE Directive Category III, Type 5/6 protective garment.



### Features and Benefits:

- Excellent barrier against dry particles and limited liquid splash (CE Type 5/6)
- SMMMMS material technology for reduced heat stress and breathable comfort all day
- Low-linting
- Extremely lightweight and comfortable compared to many certified coveralls available in the marketplace
- 3-panel elasticated hood for enhanced compatibility with complimentary PPE
- Knitted cuffs and elasticated waist and ankles for increased comfort and freedom of movement
- 2-way zipper with sealable tab on stormflap for added convenience and extra protection
- Anti-static treatment to EN 1149 to reduce charge build up
- Meets inward leakage requirements of EN 1073-2 for protection against nuclear particles

### Latest Material Technology

With 3 layers of melt-blown polypropylene in-between 2 layers of spunbound polypropylene, the 3M protective coverall 4520 fabric has been specifically designed to improve air flow and breathability, thereby reducing heat stress and enhancing comfort levels. The middle 3 layers act as a filter to effectively protect against hazardous dust and splash and the outer 2 layers offer strength and durability whilst maintaining a soft, comfortable feel.



### Seam Technology

Seams are serged for Type 5/6 protection.



### Typical Applications

#### Popular Choice

- Asbestos inspection
- Site preparation, insulation
- Pharmaceutical processing and handling toxic powders

#### Suitable for Consideration

- Asbestos removal
- Cement manufacturing
- Grinding & polishing
- Light industrial cleaning
- Machine maintenance
- Construction work
- Light paint spraying/powder coating

### 3M™ Protective Coverall 4520 Type 5/6

Colour: White with green back panel

CE Category III

Sizes: S-4XL

Type 5



Type 6



EN 1149-1



EN 1073-2



# BODY PROTECTION

**Honeywell**

## Northylon overall



The Northylon range has been designed for people involved in maintenance, industrial cleaning and heavy lifting.

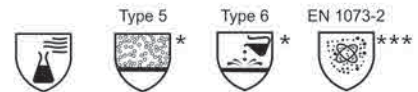
Made of polyamide coated on both sides with 400g/m<sup>2</sup> pVC, the coveralls, aprons (also available in 650g/m<sup>2</sup>) and cuffs provide excellent chemical and mechanical resistance.

Name	Ref.	Dimensions
Northylon C SWA	N71200x10	Coverall with collar
Northylon H SWA	N71250x10	Coverall with hood
Northylon H EWSA	N71252x10	Coverall with hood, elasticated wrists
Northylon H EWA	N71254x10	Coverall with hood, elasticated wrists and ankles

Sizes S to XXXL

### FEATURES & BENEFITS

- Polyamide provides excellent mechanical resistance.
- Good chemical resistance.  
Enhanced protection with its double flap and press stud over the zip.
- WEIGHT: 400g/m<sup>2</sup>
- COLOR: Green.
- EN 1073-2, Type 6 & Type 5



## Northylon Aprons

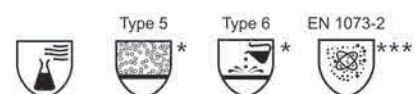


### FEATURES & BENEFITS

- Adjustable strap.
- Polyamide provides excellent chemical resistance.
- Good mechanical resistance.
- EN 1073-2, Type 6 & Type 5

Name	Ref.	Dimensions	Weight	Color
Northylon Light N42	N70462910	106x91	400g/m <sup>2</sup>	Green
Northylon Light N48	N70463910	121x91	400g/m <sup>2</sup>	Green
Northylon Heavy A48	N70453935	121x91	650g/m <sup>2</sup>	Brown
Northylon Heavy A48	N70453936	121x91	650g/m <sup>2</sup>	White

Size One size



**Honeywell**

## Northylon Hoods



FS2N hood

FS3N hood

F55N hood

### FEATURES & BENEFITS

- Polyamide provides excellent chemical resistance.
- Good mechanical resistance and durability.

Name	Ref.	Description
Northylon FS2 N	N 72750002	Hood with polycarbonate visor and breastplate
Northylon FS3 N	N 72750003	Hood with polycarbonate visor and neck guard
Northylon FS5 N	N 72750005	Hood with polycarbonate visor and wide breastplate

Size One size

## Northylon Cuff

### FEATURES & BENEFITS

- Length: 39cm
- Polyamide provides excellent chemical resistance.
- Good mechanical resistance.
- WEIGHT: 400g/m<sup>2</sup>
- COLOR: Green.

Ref.	Description
N71501910	Northylon Cuff

Size One size

## Northylon BG2 range

The Northylon BG2 range has been designed for people involved in chemical/petrochemical industry, maintenance and industrial cleaning.

Double-side PVC coated Nylon®, 280g/m<sup>2</sup>, the coveralls Northylon BG2, provide excellent chemical and mechanical resistance.



Nom	Ref.	Description
Northylon BG2 H EWA	N72254 x*10	Hood, Elasticated Wrist & Ankle coverall
Northylon BG2 H DBEWA	N72257 x*10	Hood, Double Elasticated Wrist & Ankle coverall

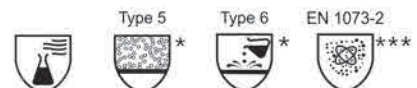
Sizes guide:  
 Example: N72254010 = Size S  
 0 = Size S  
 1 = Size M  
 2 = Size L  
 3 = Size XL  
 4 = Size XXL

Double elasticated wrist & ankle

Tailles S to XXL

### FEATURES & BENEFITS

- Hooded model
- Elasticated wrist & ankle
- Zipper covered by a press-stud flap
- Dorsal ventilation for an excellent comfort
- Stitched & welded seams
- WEIGHT: 280g/m<sup>2</sup>
- COLOR: Green & blue.
- EN 1073-2, Type 6 & Type 5

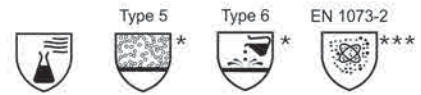


# BODY PROTECTION

**Honeywell**

**Easychem**

COMPOSITION: Orange polyamide fabric coated on both sides with a 650g/m<sup>2</sup> elastomer



## FEATURES & BENEFITS

### Applications:

Chemical, pharmaceutical and petrochemical industries, emergency services, etc.

### Added safety:

- Liquid tight seal with flap.
- Excellent mechanical resistance
- SCBA inside or outside the outfit.

### Ergonomics:

- Fitted with a valve to prevent internal overpressure peaks.
- Welded boots and gloves that can be easily changed.

### Use:

- Reusable.

### Packaging:

- 1 outfit / box.

### Option:

- Easychem 1a(SCBA inside the coverall).
- Easychem 1b(SCBA outside the coverall).



Ref.

CC8Y0X07T

**Patrol**

COMPOSITION: Neoprene (Nylon double-sided coated Chloroprene) 360g/m<sup>2</sup>. Yellow (grey inside). Weight: 5,7kg



Sizes M to XXL



Ref.

A140340

## FEATURES & BENEFITS

### Applications:

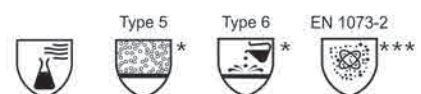
Chemical/Petrochemical industries, utilities, urgency services.

### Enhanced protection:

- Hooded model with a gas-proof elastic foam rubber
- Included nitrile gloves with o-ring system
- Sealed nitrile rubber safety boots
- Gas tight zipper
- Must be worn with a full face mask + Self Contained Breathable Apparatus (SCBA) - not supplied
- SCBA worn outside the suit

### Advantages:

- High chemical & mechanical resistance
- Optimal protection
- Gastight
- Ergonomics



**PromaX**

**PVC Coverall**



### Features

- Promax PVC clothing
- Chemical & Flame resistant
- 0.45mm thickness
- Heavy duty
- Attached hood
- Ultrasonically welded seams
- Elastic inner strap on hands & legs
- 2way plastic zipper
- Color: Green
- Sizes: M, L, XL & 2XL
- Meets EN 465 Standard

Type 6



**PromaX**

**PVC Suit**



### Features

- Chemical & Flame resistant
- 0.45mm thickness
- Heavy duty
- Attached hood
- 2 Pieces ( jacket & trousers )
- Ultrasonically welded seams
- Elastic inner strap on hands & legs
- Sizes: M, L, XL & 2XL
- 2way plastic zipper
- Meets EN 465 Standard

Type 6



# BODY PROTECTION

## Safety vest mesh type

### Features

- Lightweight and made from polyester that makes it tough & comfortable to wear.
- This vest is available in orange and hi-viz green
- Open weave lightweight
- Cool comfort mesh
- Added reflective stripe for additional visibility
- 100 % Polyester with 2 inch wide reflective stripes
- Size: X-Large
- Standard: EN 471 CLASS 2
- Also available in fabric type



## Safety vest

### Features

- Use for road work, construction, crossing guards and more
- Lightweight
- Velcro strap
- Provides 360 degree reflective material
- Adjustable to fit most wearers
- 100% Polyester
- Reflective strip: 5 cm width 3M #2925 tape
- 125 g knitted fabric
- Standard: EN 471 CLASS 2





# ELECTRICAL SAFETY PROTECTION



# ELECTRICAL SAFETY PROTECTION

**SALISBURY**

by Honeywell

## ARC Flash Face Shield

### Features

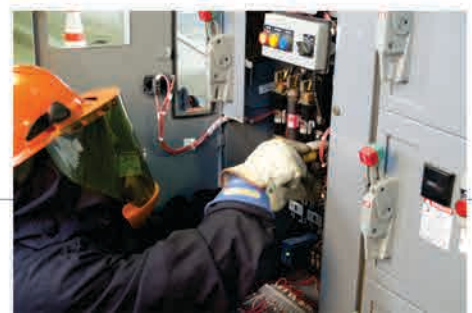
- 10 cal cm<sup>2</sup> ATPV rating when used with the included chin cup
- 8 cal cm<sup>2</sup> without the chin cup
- 7.5 inch x 20 inch viewing area
- Extra light tint
- 0.06 thick
- Absorbs 99.9% of harmful UV radiation
- Resistant to fogging
- AS1000 Series
- Standard: ASTM F2178 specification



## ARC Flash Head & Face Protection

### Features

- Has an ATPV rating of 10 cal cm<sup>2</sup>
- Lens provides a 7.5 inch x 20inch viewing once with an extra light
- With cotton canvas storage bag
- AS1000 HAT
- Standard: ASTM F2178 specification





**SALISBURY**

by Honeywell

## ARC Flash kit

### Features

- ARC flash coat
- Bib Overalls
- Pro Hood
- Hard Hat
- Safety Glasses
- SK Bag
- Solutions available for 8-100 cal/cm<sup>2</sup>
- Standard: ASTM F2178 specification



Contain: Glove, jacket & Trousers, Helmet, Glass, Hood

**SALISBURY**

by Honeywell

## Dielectric Footwear

### 51509

#### Features

- 100% waterproof, 2 Buckles, made from premium grade ozone resistant rubber. Fabric lining for easy donning and doffing
- 100% tested to 20KV
- The sole has a durable construction with non-skid bar tread out-sole
- Standard: ASTM F2178 specification



21406

51509

### 21406

#### Features

- 100% waterproof made from ozone-resistant rubber. Fabric lining allows for easy removal. Out-sole has nonskid bar treads.
- Overshoe boots are full cut and have an attached nonmetallic buckle.
- Standard: ASTM F2178 specification



## Features

- For workers that require electric protection in work environments with high voltage hazards

## Product de Scryption

CSA Z195-09 / ASTM F2413-11 Class 1 Steel Toe Only  
CSA Omega - Electric shock resistance 18kV  
Individually Tested boots at 10kV (wet condition) or 37kV (dry condition)  
Dielectric boots contain 200 joule epoxy coated steel toe  
Extra shin protection  
Cut-off line to make boot shorter  
Polyester lining is comfortable, durable and washable  
Fuel & oil resistant vulcanized rubber sole for inimical environment  
Slip resistance outsole and excellent abrasion resistant  
Resistant to hot contact 300°C for 60 seconds

## Safety standards

CSA Z195-09/ ASTM F2413-11  
CSA Class #1 Steel Toe only  
CSA Omega - Electric Shock Resistant 18kV  
ASTM F1117-03  
Tested individual boots at 10kV (wet) or 37kV (dry)  
AS/NZS 2210.3:2009  
E / HRO  
EN ISO 20345:2011  
SB / E / HRO / SRA



## Dielectric E boot

## Features

- Electrically insulated boots that protect workers from risks of pace voltage when there is a line-to-ground voltage fault during an intervention on alternative current 1000V nominal voltage power supply network
- Made of dielectric rubber
- Individually tested
- EN 50321 class 0, Individually tested at 10 000V
- EN ISO 20345 SBE HRO SRC Basic requirements (SB)
- Heel energy absorption (E) Contact heat resistance (HRO)
- EN 13287
- Sole slip resistance (SRC) : - Ceramic floor and steel floor





# DETECTORS & INSTRUMENTS





## BW clip



### Features

- Available in a two-year or three-year version for H<sub>2</sub>S, CO, O<sub>2</sub> or SO<sub>2</sub>
- Unique hibernation case extends service life for the two year BW Clip for H<sub>2</sub>S or CO
- Compact, lightweight and easy to use” with one-button operation and no extensive training
- No Maintenance fee
- Gas detection: H<sub>2</sub>S, CO, O<sub>2</sub> & SO<sub>2</sub>

**Certifications and approvals** : : Class I, Div. 1, Gr. A, B, C, D  
Class I, Zone 0, Gr. IIC  
ATEX: CE 0539 II 1G  
Ex ia IIC T4 Ga IP66/67  
DEMKO 14 ATEX 1356  
IECEX: Ex ia IIC T4 Ga IP66/67  
IECEX UL 14.0063  
CE: European Conformity



## Micro Clip XL



### Features

- Multi-gas versatility with one-button simplicity
- Continuous visual compliance with IntelliFlash
- Incredibly thin & lightweight, making it comfortable to wear
- No Maintenance fee
- Gas detection: H<sub>2</sub>S, CO, O<sub>2</sub> & LEL

**Certifications and approvals** : : Class I, Div. 1, Gr. A, B, C, D  
Class I, Zone 0, Gr. IIC  
ATEX: CE 02 II 1G  
Ex ia IIC T4 Ga  
IECEX: Ex ia IIC T4 Ga  
CE: European Conformity



## Max XT II



### Features

- Multi-Gas Detectors
- Continuous LCD shows real-time gas concentrations
- Gas Detection: H<sub>2</sub>S, %LEL, CO or O<sub>2</sub>
- Compact and lightweight design makes it comfortable to wear
- Water-Resistant
- Full function Self-Test of sensor, battery status, circuit integrity and audible/visual alarms on start up
- Bright wide-angled visual alarm bars
- Built-in concussion-proof boot
- Integrated sampling pump with reliable diaphragm technology
- Conveniently manage your detector with Fleet Manager II

**Certifications and approvals** : : Class I, Div. 1, Gr. A, B, C, D  
ATEX: II 1 Ga Ex ia IIC T4  
IECEX: Ga Ex ia IIC T4  
 Br Ex ia IIC T4





## Quattro



Certifications and approvals N : Class I, Div. 1, Gr. A, B, C, D

ATEX: X g II 1 G Ga Ex ia IIC T4

IECEX: Ga Ex ia IIC T4

Br Ex ia IIC T4

### Features

- Multi-Gas Detector
- Gas Detection: H<sub>2</sub>S, CO, O<sub>2</sub> and combustibles
- IntelliFlash verifies operation and compliance to both the user and supervisors from up to 20 ft. / 6.1 m
- One-button operational simplicity
- Easy to identify icons for onsite auditing and compliance
- Field-proven Surecell sensors offer an unprecedented performance, even in the harshest environments
- Easy-to-read, multi-language LCD displays all four gas concentrations
- (H<sub>2</sub>S, CO, O<sub>2</sub> and combustibles) simultaneously
- Audible, visual and vibrating alarm
- Extended alarm bars
- Flexible, interchangeable battery options with extended runtimes
- Full function self-test is initiated upon activation and runs continuously during operation



## Micro 5



Certifications and approvals : Class I, Div. 1, Gr. A, B, C, D

ATEX: CE II 1G

Ga EX ia IIC T4

CE II 1G - IR model only

Ex d ia IIC T4\*

IECEX: Ga Ex ia IIC T4\*

Ex d ia IIC T4\* - IR model only

### Features

- Five-Gas Detector
- Gas Detection: H<sub>2</sub>S, CO, O<sub>2</sub>, SO<sub>2</sub>, PH<sub>3</sub>, NH<sub>3</sub>, NO, HCN, Cl, ClO<sub>2</sub>, O<sub>2</sub>, and combustibles
- Integral concussion-proof boot
- Optional integral motorized pump option for remote sampling
- Powered by three AA alkaline batteries or a hot-swappable rechargeable battery pack
- Triple alarms (audible, visual and vibrating)
- Multi-language support in English, French, German, Spanish and Portuguese
- Large, user selectable backlit LCD
- Four alarm levels: Low, High, TWA and STEL
- Compatible with MicroDock II Automatic Test and Calibration Station
- Datalogging models store and recall event information



## Altair



### Features

- Sensor options for CO, H<sub>2</sub>S, and O<sub>2</sub>
- Patented electrochemical sensors and MSA-built button sensors  
Stainless steel and solid electrolyte construction virtually eliminate sensor leakage, Automatically records the last 25 alarm/test events and can communicate data by connecting to MSA Link via built-in IR communication port
- No-miss triple alarm system includes bright flashing LEDs, piercing audible alarm, and an internal vibrating alarm
- Rubberized armor housing and one-button operation for maximum durability and simplicity
- Standard: EMC Directive 89/336/EEC in accordance with the standards EN 61000-6-2 and EN 61000-6-4



## Altair 2X



### Features

- Tough over-molded rubber armor
- Survives multiple 25-ft drops onto concrete
- Agency-certified dust- and water-tight IP67 construction
- Intrinsically-safe design
- Records 75 alarm events
- Useful at Confined Space, Toxic Detection
- Standard: EN 60079-0:2012, EN 60079-11:2012



## Altair 4X



### Features

- Dependable multigas detector tests for LEL, oxygen, carbon monoxide and hydrogen sulfide
- Economical construction saves users more than 50% on calibration gas, replacement sensors and maintenance
- Four-year sensor life means detector lasts 60% longer than the industry average
- Unit uses 50% less calibration gas per minute than the average detectors within the industry
- Two-tox CO/H<sub>2</sub>S sensor removes practically all cross-channel interference
- Large buttons and high-contrast screen make operation easy in low-light conditions
- Ribbed rubber housing provides secure grip and high durability
- Unit features 95+ db alarm and ultra-bright LEDs
- Exclusive end-of-sensor warning cautions user when unit's sensor needs to be changed
- MotionAlert option tells others that user has become immobile
- InstantAlert provides manual alarm to alert others of a dangerous situation



## Altair 5X



### Features

- Durable detector tests levels of combustible gases in LEL and/or volume percentage range, oxygen, carbon monoxide, carbon dioxide, hydrogen sulfide, sulfur dioxide, ammonia, chlorine and many others depending on sensor configuration
- A rugged polycarbonate housing provides unsurpassed durability, including the ability to survive a 10ft (3m) drop and is IP 65 certified
- Field-proven integral pump provides consistent gas flow without the problems of externally-attached components
- Standard: IEC 61672:2003





## ToxiRAE pro



### Features

- Personal wireless monitor for toxic gases and oxygen
- Swap out sensors for different gases, including hydrogen sulfide, carbon monoxide, ammonia, chlorine, hydrogen cyanide, nitric oxide, phosphine, sulfur dioxide, and more. Sensors store calibration data even when swapped out.
- 5-way local & remote wireless alarm system, largest display in class.
- Water-, dust-, and shock-resistant, compatible with AutoRAE 2 (Fully automatic bump testing & calibration)
- Built-in man-down alarm
- Most sensors can be shared with MultiRAE instrument family



## Ultra sonic distance meter



### Features

- Laser to target the point to which you want to measure
- Auto converts feet to meters
- Backlight
- Measurement range: 0.6 to 15m (2 to 50 feet)
- Accuracy:  $\pm 0.5\%$   $\pm 1$  digit



## Lux meter



### Features

- Display 2000 counts
- Analog bar indicator
- Auto power off
- Max/ Min function
- Relative measurement, peak measurement
- FC/ Lux unit selection
- Data hold
- Display backlight, low battery display



## Infrared Thermometer



### Features

- Wide Temperature Measurement
- Backlight
- °C / °F Display Delection
- Single-Spot Laser Sighting
- Hold Dunction
- Auto Power Off



## Sound Level meter



### Features

- LCD digital display
- Analog bar indicator
- Wide dynamic range
- Auto/Manual range
- Fast/Slow response selectable
- MAX value hold function
- A/C weighting selection
- Date and time display
- AC/DC auxiliary output
- Memory function
- RC232C interface
- Computer record graph software
- Back light
- Low power indication



## Anemometer



### Features

- Device for wind speed, airflow and gas direction speed measuring
- Data Hold Function
- Display illumination
- Easy to set Area dimensions are stored in the meter™s internal memory for the next power on;
- Overflow Indication: "OL" will be shown in LCD;
- Low battery voltage indication;
- Back light function;
- Auto Power off;
- USB Interface & PC-Software;
- Size(H\*W\*D): 165mm\*85mm\*38mm
- 9V battery, USB cable, PC-software





FIREMAN SUIT  
FIREMAN HELMET  
FIREMAN GLOVES  
FIREMAN BOOTS  
FIREMAN ACCESSORIES



FIREFIGHTING



ST Protect S.p.A.

Technical Service

TECHNICAL DESCRIPTION  
 FIRE ENTRY SUIT STYLE ALFA 7 EN-1486 TYPE 3  
 Code 10171

**PROTECTIVE ALUMINISED OVERALL FOR SPECIALISED ENTRY FIRE FIGHTING (FIRE ENTRY)**



Aluminised overall with pouch for holding and protection of breathing apparatus. Front fastening by metal zipper protected by flap closed by metal snaps. Over boots are fixed to leg bottom and provided with adjustable straps and back regulation system by metal snaps; 400 mm. upper with same composition as the overall; soles made by high temperature resistance material covered in the inner part with wool and in the outer part by 100% KEVLAR bouclette.

The overall is composed of following detachable and independently replaceable parts: Single piece overall: Protecting the body from neck to feet hands excluded.

Hood: suitable for the combined use of a full-face mask and breathing apparatus, provided with accident prevention helmet according to UNI-EN 397; tempered glass visor externally covered with anti dazzling gold; under arm-pit elastic braces adjustable by means of press studs.

Gloves: Five-finger gloves total length 500mm approx. with same composition as the overall.

The overall can be supplied with a carrying bag.

This PPE is manufactured with no asbestos or derived substances. The overall is manufactured with:

- outer layer: aluminised glass fibre fabric (Firetex);
- thermal barrier: 5 layers aramid spun-laced ;
- lining: FR woven fabric. Available sizes M-L



### OVERALL PROTECTIVE PERFORMANCE

#### SUIT

Requirement	Specification	Result	Conformity
Flame propagation EN-532 on assembled	conformity	Inflammability on edges: NO perforation: NO residual parts: NO flame persistence: NO afterglow: NO	<b>conform</b>
Convective heat index HTI (s) EN 367	Type 1 : HTI $\geq$ 4 Type 2 : HTI $\geq$ 13 Type 3 : HTI $\geq$ 21	HTI <sub>24</sub> = 33 seconds	<b>conform</b> <b>TYPE 3</b>
Radiant heat index t <sub>r</sub> (s) at 40 KW EN 366 pre-treatment annex A EN 531	Type 1 : RHTI <sub>24</sub> 30 Type 2 : RHTI <sub>24</sub> 60 Type 3 : RHTI <sub>24</sub> 120	RHTI <sub>24</sub> = 197,9 seconds	<b>conform</b> <b>TYPE 3</b>
Contact heat EN 702	Type 1 : Ze $\geq$ 6 Type 2 : Ze $\geq$ 10 Type 3 : Ze $\geq$ 15	300°C (Delta 10°) = 50 seconds	<b>conform</b> <b>TYPE 3</b>
Resistance to heat (%) EN 469 Annex A	< 5	No melting No hole formation No dripping No catching fire Dimensional stability Alumised fabric = 0% Thermal felt: - 0,6% length. - 1,3% width internal lining: - 4,0 % - 2,7 %	<b>conform</b>
Resistance to traction (N) ISO 1421	$\geq$ 600	Warp = 4426 N Weft = 2132 N	<b>conform</b>
Resistance to tearing (N) ISO 4674	$\geq$ 25	Warp = 150 N Weft = 140 N	<b>conform</b>
Abrasion ( EN 388 -6.1)	$\geq$ level 2 (500 cycles)	(800 cycles) level 2	<b>conform</b>
Resistance to cutting (EN 388 - 6.2)	$\geq$ level 2	(index 11,7) level 4	<b>conform</b>
Resistance to perforation (EN 388 - 6.4)	$\geq$ level 2 (60 N)	(index 177 N) level 4	<b>conform</b>

All further features fulfil the minimal requirements according to the technical specification used as reference..



## Flame-Resistant Hood

**DIN EN 13911:2004**

Double-layered finish (390g/m<sup>2</sup>) | Elasticated face opening | Extra flat seams

**Layer construction:**

Interlock 195g/m<sup>2</sup> (double finish), 48,5% KERMEL®, 48,5% viscose FR, 3% BELTRON

**Order number:** 8001 866 599 blue



FLAME-RESISTANT HOOD/  
PROTECTIVE PONCHO

## Protective Poncho

To protect the compressed air breathing apparatus in heat conditioning facilities

**Layer construction:**

Face fabric type 813: DuPont™ Nomex® Tough, 195g/m<sup>2</sup>, 75% DuPont™ Nomex®, 23% DuPont™ Kevlar®, 2% P140 antistatic

**Order number:** 1880 813 599 black blue  
1880 813 140 yellow



## TITAN Jacket

DIN EN 469:2007 Xf2, Xr2, Y2, Z2  
DIN EN 1149-5:2008

Ergonomic collar with width adjustment | Shoulder protectors made of PRX-9000 | S-GARD® MOVE® construction | Radio pocket on the left with double height adjustment | Bellows pocket on the right, lamp holder with carabiner locking | DTS (Depot Pocket System) at chest height to stow away an S-GARD® IRS system | Waterproof front fastening with panic zip and Napoleon pocket | 2 side pockets with bellows and carabiner loops | 1 carabiner | Flaps with handle reinforcement made of DuPont™ Kevlar® with silicone-carbon coating and Velcro fastening | Tool loop on the left | Long back | Reinforced elbows made of DuPont™ Kevlar® with silicon-carbon coating | Sleeves with S-GARD® Tetra finish, width adjustment, hem made of DuPont™ Kevlar® with silicone-carbon-coating | Knitted cuff with ITC system | Reflective bands fourfold sewn | 2 inspection openings | 1 inside pocket with marking tab

**Layer construction:**

Face fabric type 820: TITAN 1220, a Hainsworth® Technology, 220g/m², 89% DuPont™ Nomex®, 9% DuPont™ Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® membrane with AIRLOCK® Spacer Technology (see page 38)

Lining: 130g/m², 60% DuPont™ Nomex®, 40% viscose FR

**Available sizes:** XS-3XL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

**Order number:** 18877 820 8559 gold/black blue  
18877 820 8599 black blue

**In preparation for the IRS-system:  
Depot Pocket System**

- Depot pocket and tunnel



Note: DTS-compatible IRS-system ( Rescue- and hand strap integrated) have to be ordered separately.

TITAN 1220 a Hainsworth® Technology with REPEL+ Finish Fluorocarbon finish.



TITAN RANGE



## TITAN Pants

DIN EN 469:2007 Xf2, Xr2, Y2, Z2  
DIN EN 1149-5:2008

S-GARD® Comfort braces system | Elastic waistband width adjustment | Kidney protection with PRX-9000 protectors | Optimum front fastener with Velcro and press stud | 2 side openings and pocket bags | Step wedge | 2 bellows pockets, on the right with additional knife pocket | Flaps with handle reinforcement made of DuPont™ Kevlar® with silicone-carbon coating | Knee reinforcements made of DuPont™ Kevlar® with silicone-carbon coating with para-aramid padding | Step-in gussets with cover panel and Velcro fastening | S-GARD® TETRA finish in lower leg area | Cut out heel, hem edge and ankle area made of DuPont™ Kevlar® with silicone-carbon coating | Reflective bands fourfold sewn | 2 inspection openings

**Layer construction:**

Face fabric type 820: TITAN 1220, a Hainsworth® Technology, 220g/m², 89% DuPont™ Nomex®, 9% DuPont™ Kevlar®, 2% P140 antistatic

Moisture barrier/insulation: GORE-TEX® membrane with AIRLOCK® Spacer Technology (see page 38)

Lining: 130g/m², 60% DuPont™ Nomex®, 40% viscose FR

**Available sizes:** XS-3XL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

**Order number:** 28877 820 8559 gold/black blue



### The S-GARD® TITAN range with TITAN 1220, a Hainsworth® Technology with DuPont™ Nomex®

The TITAN range provides optimum safety and wear comfort, and combines excellent material properties with an attractive appearance.

The TITAN range has all the special design characteristics of S-GARD® products with the GORE-TEX® AIRLOCK®-Spacer Technology.

TITAN RANGE

With Depot Pocket System (DTS) prepared for an IRS-System



Radio pocket  
1



IRS Casing system  
2



Handle reinforcement  
3



S-GARD® MOVE® Construction  
4



PRX-9000 Shoulder protectors  
5



## HERO Jacket

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

Ergonomic collar with width adjustment | Shoulder protectors made of PRX-9000 | S-GARD® MOVE® construction | 2 radio pockets with double height adjustment | Lamp bracket with carabiner locking on the right | Waterproof front fastening with panic zip and Napoleon pocket | 2 side pockets with carabiner loops | 1 carabiner | Flaps with DuPont™ Kevlar® handle reinforcement with silicone-carbon coating and PRX-9000 | Long back | Ergonomically-shaped sleeves with width adjustment | DuPont™ Kevlar®-reinforced elbows with silicone-carbon coating and PRX-9000 padding | Shaped sleeve hem for optimum protection and freedom of movement | DuPont™ Kevlar® hem with silicone-carbon coating | DTS (Depot Pocket System) at chest height to stow away an S-GARD® IRS system | Reflective bands fourfold sewn | 2 inspection openings | 1 inside pocket with identification tab

Also available with DTS system.  
Special design. Please ask!

Layer construction:

Face fabric type 813: DuPont™ Nomex® 195g/m², 75% DuPont™ Nomex®, 23% DuPont™ Kevlar®, 2% P140 antistatic  
Moisture barrier/insulation: GORE-TEX® Membrane with AIRLOCK® Spacer Technology (see page 38)  
Lining: 130g/m², 60% DuPont™ Nomex®, 40% viscose FR

Available sizes: XS - 3XL  
Short sizes: KXS - KXXL  
Long sizes: LS - LXXL

Order number: 18866 813 850 gold  
18866 813 599 black blue  
188661 813 5914 black blue/yellow



HERO RANGE,  
HERO ATTACK

## HERO ATTACK Pants

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

S-GARD® comfort braces system | Elastic waistband with width adjustment | Kidney protection with PRX-9000 protectors | Optimum front fastening with Velcro and press stud | 2 side openings and pocket bags | Crotch gusset | 2 bellows pockets on the right with an additional knife pocket | Flaps with DuPont™ Kevlar® handle reinforcement and silicone-carbon coating plus para-aramid felt padding | Step-in gussets with cover panel and Velcro fastening | Cut out heel, hem and ankle area made of DuPont™ Kevlar® with silicone-carbon coating | S-GARD® TETRA finish in lower leg area | Reflective bands fourfold sewn | 2 inspection openings

Layer construction:

Face fabric type 813: DuPont™ Nomex® Tough, 195g/m², 75% DuPont™ Nomex®, 23% DuPont™ Kevlar®, 2% P140 antistatic  
Moisture barrier/insulation: GORE-TEX® Membrane with AIRLOCK® Spacer Technology (see page 38)  
Lining: 130g/m², 60% DuPont™ Nomex®, 40% viscose FR

Available sizes: XS - 3XL  
Short sizes: KXS - KXXL  
Long sizes: LS - LXXL

Bestellnummer: 28867 813 850 gold  
28867 813 599 black blue



**S-GARD®**  
SAFETY GARMENTS

### The S-GARD® HERO range...

...from avant-garde to classic: it is a modern, jacket and pants in a premium finish as well as the GORE-TEX® membrane with AIRLOCK® Spacer Technology.

Optional Depot Pocket System (DTS) prepared for an IRS-System



HERO RANGE

Lamp bracket  
1



IRS casing system  
2



Reinforced elbows  
3



Width adjustment  
4



PRX-9000 Shoulder protectors  
5





## BASICPRO Jacket

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

Long Version, collar with ergonomically-shaped collar tab for width adjustment | Wide trimming, panic zip | 2 radio pockets with double height adjustment | 2 side pockets with carabiner tabs | 1 carabiner | Movement gussets under the arms | Sleeves with width adjustment and hem made of DuPont™ Kevlar® with silicone-carbon coating | Knitted cuffs with ITC-System | Reflective bands fourfold sewn | 1 inside pocket with marking tab

**Layer construction:**

Face fabric type 813: DuPont™ Nomex® 195g/m², 75% DuPont™ Nomex®, 23% DuPont™ Kevlar®, 2% P140 antistatic

Moisture barrier: SIGMATEX HU PU membrane

Insulation: 150g/m², Aramid Regenerat Fleece

Lining: 130g/m², 50% Aramid, 50% viscose FR

**Available sizes:** 44-64  
Short sizes: K44-K64  
Long sizes: L44-L64

**Order number:** 18836 813 599 black blue



BASICPRO RANGE



## BASICPRO Pants

DIN EN 469:2007 Xf2, Xr2, Y2, Z2

S-GARD® comfort braces system | Elastic waistband | Kidney protection | Optimum front fastening with Velcro and press stud | 2 side openings and pocket bags | 2 bellows pockets on the right with an additional knife pocket | Knee reinforcements made of DuPont™ Kevlar® with silicone-carbon coating with para-aramid padding | Step-in gussets with short cover panel and Velcro fastening | Hem made of DuPont™ Kevlar® with silicone-carbon coating | Reflective bands fourfold sewn

**Layer construction:**

Face fabric type 813: DuPont™ Nomex® Tough, 195g/m², 75% DuPont™ Nomex®, 23% DuPont™ Kevlar®, 2% P140 antistatic

Moisture barrier: SIGMATEX HU PU membrane

Insulation: 150g/m² Aramid Regenerat Fleece

Lining: 130g/m², 50% Aramid, 50% viscose FR

**Available sizes:** XS-3XL  
Short sizes: KXS-KXXL  
Long sizes: LS-LXXL

**Order number:** 28835 813 599 black blue



**The S-GARD®  
BASICPRO range ...**

...meets the requirements of DIN EN 469: best finish with many functional details in the well-tried S-GARD® quality.

BASICPRO RANGE





# ATLAS

## CONSTRUCTION

### Blur:

Special blur made of rubber and synthetic materials. Low pressure drop thanks to its smooth walls.

### Outer fabric:

Jacket made of circular loom with yarn high tenacity polyester. Fabric flat type as Standard. Free from defects such as broken threads, knots, Etc.

## LENGTHS AVAILABLE

60m, 30m 25m, 23m, 20m, 18m, 15m. Other lengths, up to 150 meters on request.

## FEATURES

Very light and flexible hose even at low temperatures (-15 ° C).

Easy to handle and wind up thanks to its great flexibility.

High resistance to chemicals passing through the special composition of the internal blur.

Highly resistant to breakage thanks to its special textile construction.

Available with various international approvals.

## FIELD APPLICATIONS

Suitable for cabinets fire.

Fire Stations and Industry.

Civil Construction.

Industrial Processes intermediates, etc..

## OPTIONS

Inside PU synthetic rubber or blur.

Exterior Construction SARGA tissue type.

Lines personalization low minimum order. Special marking with custom IDs.

Packaging according to own specifications.

They can be served with all kinds of international connections (Storz, Guillemin, BS, Barcelona, UNI, Nakajima, NOR, etc..).

## TECHNICAL SPECIFICATIONS

Diameter	Weight	Pressure work	Pressure test	Pressure break
"	(mm.)	(gr/m.)	(bars)	(bars)
1"	25	165	30	60
1 1/2"	38	220	20	40
1 2/3"	42	210	20	40
1 3/4"	45	245	20	40
2"	52	300	20	40
2 1/2"	64	400	15	30
2 3/4"	70	460	15	30
3"	75	475	15	30
4"	102	690	15	30
4 1/3"	110	820	15	30
5"	125	920	12	25
6"	152	950	10	20
8"	204	1400	10	20





## ATLAS-C

### CONSTRUCTION

Hose multiple benefits. Suitable for the provision of rescue, transport of water to high pressure, hose forest, agricultural, etc ...

#### Fabric:

high tenacity polyester.

It does not deteriorate in any environmental circumstance.

It can stay in the open without any breach of its technical characteristics.

#### Gummed:

Fully synthetic.

Color black.

Formulated to withstand the harshest weather conditions and the passage of the most aggressive liquids.

#### Outside impregnation:

Based emulsion Red PU.

### LONGITUDES DISPONIBLES

60m, 30m, 25m, 23m, 20m, 18m, 15m

### FEATURES

Good resistance to abrasion and to intensive professional use.

High resistance to oil, gasoline and a wide range of chemicals.

Resistant to both contact and radiant heat.

Lightweight hose, remaining flexible even at low temperatures (-30°C).

Easy to handle and wind up thanks to its great flexibility.

High breaking resistance thanks to its special textile construction.

No maintenance or drying required.

Easy to repair thanks to our repair system.

Available with different international certifications.

### APPLICATIONS

Ideal for fire departments and professional industry services, Refineries, Armed forces, Airports, Ships and oil rigs, Heavy industry.

### OPTIONS

Special colours, such as yellow, blue, NATO green, orange and grey available for minimum quantity orders.

Special marking with custom identifications.

Packaging according to specifications.

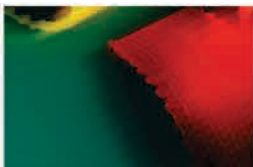
Can be delivered with all types of international couplers (Storz, Guillemin, BS, Barcelona, UNI, Nakajima, NOR, etc.).

### TECHNICAL SPECIFICATIONS

Diameter	Weight	Pressure work	Pressure test	Pressure break	
"	(mm.)	(gr/m.)	(bars)	(bars)	(bars)
1"	25,4	175	30	60	90
1 1/2"	38	235	20	40	60
1 2/3"	42	250	20	40	60
1 3/4"	45	260	20	40	60
2"	52	320	20	40	60
2 1/2"	64	430	15	30	55
2 3/4"	70	490	15	30	50
3"	75	500	15	30	50
4"	102	730	15	30	45
4 1/2"	110	870	15	30	45
5"	125	980	12	25	40
6"	152	1030	10	20	30



Australian/NZ Standard





# GOMTEX®

**CONSTRUCTION:**

Inner and outer layer

Specially formulated rubber, I extruded through a circular woven. Low pressure drop thanks to its smooth inner wall. High thermal resistance.

Intermediate textile reinforcement

Jacket made of circular loom with yarn high tenacity polyester. Free from defects such as broken threads, knots, etc..

**AVAILABLE LENGTHS:**

60m, 30m, 25m, 23m, 20m, 18m, 15m. Other lengths up to 150 meters on request.

**FEATURES:**

Excellent abrasion resistance and intensive use by professionals. High resistance to oil, gasoline and a wide range of chemicals. Highly resistant to heat both the contact and radiant heat. Light hose flexible even at low temperatures (-15 ° C). Easy to handle and wind up thanks to its great flexibility. Highly resistant to breakage thanks to its special textile construction. No maintenance or drying. Easy to repair thanks to our repair system. Available with various international certifications.

**FIELD OF APPLICATIONS:**

Suitable for firefighters and professional services industry. Refineries. Army. Airports. Ships and oil platforms. Heavy industry.

**OPTIONS:**

Special colors like yellow, blue, green NATO, orange, gray low minimum order. Special marking with custom IDs. Packaging according to own specifications. They can be served with all kinds of international connections (Storz, Guillemin, BS, Barcelona, UNI, Nakajima, NOR, etc..).

**SPECIFICATIONS:**

Diameter		Weight	Thickness	pressure work	pressure break
inches	mm.	gr/m.	mm.	bars	bars
1"	25	245	2,2	30	>90
1 ¼"	32	310	2,2	30	>80
1 ½"	38	375	2,2	20	>62
1 2/3"	42	395	2,3	20	>62
1 ¾"	45	395	2,3	20	>62
2"	52	470	2,3	20	>60
2 1/6"	55	490	2,3	18	>55
2 ½"	64	600	2,3	17	>52
2 ¾"	70	650	2,3	17	>50
3"	75	750	2,4	17	>50
3 ¼"	80	760	2,4	17	>50
3 ½"	90	920	2,5	15	>50
4"	102	1.070	2,6	15	>50
4 1/3"	110	1.160	2,6	15	>45
4 ½"	115	1.180	2,6	15	>45
5"	125	1.425	2,8	15	>45
6"	152	1.700	3,0	13	>40





## GOMDUR 4-K®

### CONSTRUCTION:

#### **Inner and intermediate layer**

Red rubber specially formulated, extruded through a circular woven. Low pressure drop thanks to its smooth inner wall.

#### **Intermediate textile reinforcement**

Jacket made of circular loom with yarn high tenacity polyester. Free from defects such as broken threads, knots, etc..

#### **Outer layer (4th layer)**

Yellow rubber (highly visible) color, specifically formulated with para-aramid fibers to confer high resistance to abrasion, contact or ambient temperature and chemicals. With external serrations to improve abrasion resistance and ease of handling.

### AVAILABLE LENGTHS:

60m, 30m, 25m, 23m, 20m, 18m, 15m. Other lengths up to 150 meters on request.

### FEATURES:

High resistance to oil, gasoline and a wide range of chemicals. Excellent abrasion resistance and intensive use by professionals. Highly resistant to heat, so as to contact radiant heat. Light hose flexible even at low temperatures (-15 ° C). Easy to handle and wind up thanks to its great flexibility. Highly resistant to breakage thanks to its special textile construction. No maintenance or drying. Available with various international certifications.

### FIELD OF APPLICATIONS:

- Forestry services.
- Fire and fire services of heavy industries.
- Refineries. Airports.
- Army.

### OPTIONS:

Special marking with custom IDs. Packaging according to own specifications. They can be served with all kinds of international connections (Storz, Guillemín, BS, Barcelona, UNI, Nakajima, NOR, etc..).

### CARACTERÍSTICAS TÉCNICAS:

Diameter	Weight	Thickness	Pressure work	Pressure test	Pressure break	
"	(mm.)	(gr/m.)	(mm.)	(bars)	(bars)	(bars)
1"	25	260	2.20	30	60	85
1½"	38	385	2.30	25	50	75
1¾"	45	420	2.30	20	40	60
2"	52	550	2.50	20	40	60
2½"	64	680	2.70	15	30	50
2¾"	70	700	2.80	15	30	50
3"	75	780	2.80	15	30	50





## Evacuid Pro

New and unique emergency bracelet for faster and safer evacuation



**Challenging escape-routes** [ in industry, tunnels, underground facilities, earthquake-prone areas ]

Evacuid is typically worn on belt or wall mounted at strategic places together with other escape and emergency equipment, like escape hoods.

**Employees with responsibilities during evacuation** [ at public areas, hotels, hospitals, offices ]

When the alarm is triggered, not everybody can simply leave the building. For employees responsible for others safety, Evacuid is a great tool for faster and safer evacuation. Evacuid is typically wall mounted at strategic places, by fire alarm panels, extinguishers and evacuation equipment or worn on belt.



Simply strap on to activate



Find the way out and execute tasks with both hands free.



Automatic alarm - be found when time is critical



Mark others:

Crowd control

Prepared for the unexpected



LTX Series



### Features

- M-PACT Shell with SmartRidge design
- High-heat thermoplastic outer shell
- Hard-coated high heat thermoplastic material faceshield-meets ANSI Z87.1-2003 Standard for Eye and Face Protection
- Comfortable Sure-Lock ratchet headband
- Balanced 4-point nylon crown straps and crown pad
- Nomex chinstrap with quick-release buckle and postman™s slide fastener
- Rip-stop Nomex ear/neck protector
- Leather ratchet cover
- Removable fire-resistant, absorbent cotton brow pad
- Quick-Attach faceshield or goggle system
- 12 comfort settings
- Scotchlite reflective markings
- Certified to NFPA 1971, 2007 standard



F1 SF



### Features

- Purpose-built helmet features polyamide shell, reinforced impact-absorbing padding for unsurpassed protection
- Integrated eye screen and face shield for a variety of applications
- Interfaces for attachment of SCBA mask, lamps & communication systems
- Fire-resistant neck curtain increases protection against fire and flames
- Customizable front plate
- Available colors: Red, Green, Black, Yellow, White, Blue and photoluminescent EN 433, 2008 Standard



F1 Xf

### Features

- Unique adjustable ocular visor " fitting over prescription glasses while providing gap-free enclosure
- Comfortable, high-performance face protection with excellent coverage, clear or gold coating
- Extended thermal & mechanical protection even in extremely hot conditions, fully integrated lighting module with unique distribution of light and weight, supporting work and safe navigation in the dark
- Optimized care and maintenance procedures, leading to reduced cost of ownership and safer use, unique customization capabilities with interchangeable front plate and personalized molded or printed badge
- EN 433, 2008 Standard







## Rescue II



### Features

- Split leadthor gauntlet
- High cut, abrasion
- Breathable and water proof

Firefighters' protective gloves made of Carbon X  
 In accordance with EN 659: 2008  
 Performance levels 3 5 4 3 4



## Fire Shark Long



### Features

- Eurotex-membrane (windproof, waterproof and breathable)
- Padding in the finger area
- Cuff width adjustable
- 3M reflective stripes on the cuff eyelets
- Siliconized double-face knit patch
- Palmhand made of Nappa-leather
- Tophand and cuff made of Carbon X

Firefighters' protective gloves made of Carbon X  
 In accordance with EN 659: 2008  
 Performance levels 3 5 4 3 4



## Top Rescue



### Features

- A knuckle protector and a breathable, waterproof and blood borne pathogen proof insert.
- Double face knitted, silicon bonded Kevlar Top- and Palm hand guarantees a perfect grip and is flexible enough to offer a very good dexterity.
- 60% Meta-Aramid, 40% Kevlar
- Gauntlet: 50% Nomex
- 50% Viscose

Firefighters' protective gloves made of Carbon X  
 In accordance with EN 659: 2008  
 Performance levels 3 5 4 3 4

# FIREFIGHTING



## Fireman Suit



### Features

- Insulation Layers
- High Visibility reflective stripes
- Conforming EN 469 quality after 5 washes also
- 270 gsm Pyrovatex Cotton FR fabric
- Water Proof, Oil proof
- ISO 9001 AND ISO 14001 Standards
- Color: Dark Blue or Black



## 9687L

### Features

- Vulcanized rubber shoes
- Flame retardant, fuel oil resistant sole suitable for inimical environment
- Slip resistant vulcanized rubber outsole
- High visibility with black and yellow contrast
- Non-corrosive stainless steel
- Withstands pin & sharp objects
- Recyclable polybag & 6 pairs in a carton



European Standard CE Approved –  
EN 15090 : 2006 (F2 IS HI3 P T CI)  
EN ISO 20345 : 2004 (SB P E CI SRA)

Australia New Zealand Standard Approved-  
AS/NZS 4821 : 2006 (P E T I HI)



## AWG Fittings

### Features

- Couplings for Fire Fighting Services, Mobile Water Supply
- Equipment for Fire Brigades and Mobile Water Supply (Pumps, Pressure Valves, Dividers,...)
- Branch pipes, Monitors and Nozzles (Monitors, Nozzles, Branchpipes, ...)
- Accessories for Fire Pumps(Valves,)
- Fittings for Preventive Fire Protection (Landing Valves, Euro Nozzles, ...)
- Meets DIN Standard



**Powder Suction Machine PSM JUNIOR**



**UNIVERSAL FIELD OF APPLICATION**

**ALSO SUITABLE FOR CONTINUOUS OPERATION**

**EASY TO TRANSPORT**

**ERGONOMICALLY FAVOURABLE WORKING HEIGHT**

The JUNIOR powder suction machine can be easily transported or installed in a service vehicle. It is therefore optimally suited to mobile use. The underslung drive unit covered with a steel sheet housing produces an ergonomically favourable working height.

The machine is suitable for servicing and refilling fire extinguishers from 2 to 12 kg (with appropriate accessories also for portable 50 kg fire extinguishers) with all types of fire extinguishing powders.

To clean filters and fill fire extinguishers faster the reversing process is effected electrically. It automatically controls the non-return valve in the suction line.

The infinitely variable height adjustment and the cap with the conical rubber filling nozzle ensure that all the fire extinguisher models on the market can be handled without converting the machine.



*Fig. 1: The PSM JUNIOR is a universal machine that has proved itself for more than 10 years. It is extremely small in its dimensions, but nevertheless equipped with a high-powered industrial motor.*

A PVC suction pipe with 25  $\varnothing$  x 780 mm is also supplied with the product.

The machine has a storage tank with a capacity of 12 kg fire extinguishing powder, so that when servicing individual fire extinguishers up to 12 kg no additional tank is required.

For more information and accessories see next page.



*Fig. 2: With a 50 or 250 kg additional storage tank, portable fire extinguishers can also be serviced with the PSM JUNIOR. The picture shows a 50 kg fire extinguisher being emptied.*

**For stored pressure extinguishers it is not necessary to reduce pressure before emptying.**

**Technical data for the PSM JUNIOR**  
(EN 292 and EN 60204)

Art. No. 186001



Electrical  
IP rate: IP54

Capacity of the storage tank: 12 kg  
Set of filter cartridges: high-grade steel sieve and 10 filter elements  
For filling opening of fire extinguishers: 28 - 100 mm  
Reversing process: electrical with automatic non-return valve

Electric motor:  
230 V, 50 Hz, 0.75 kW, 2840 min<sup>-1</sup>  
Suction capacity: 1510 l/min

5 m cable feed line, oil and acid resistant  
H07RN-F 3 G 1.5 mm<sup>2</sup>

Transport wheels: 160 mm $\varnothing$ , with roller bearings

Suction hose: 326 pt x 1400 mm  
Suction pipe: PVC 25 $\varnothing$  x 780 mm

Weight: 49 kg

Dimensions:  
1070 mm transport height  
1620 mm max. working height  
500 mm width  
480 mm depth

Colour:  
Silver grey, hammer finish

# FIREFIGHTING

Stationary compressors have a good reputation with professionals.



A PN 200 or PN 300 bar filling mechanism, either with four filling tubes or direct filling valves, ensures an effective filling process. The filling mechanism is situated at a height which is easy to reach, reducing strain on the user's back. The Dräger VERTICUS 5 is equipped as standard with German R5/8 flange connections conforming to DIN 477



## Dräger verticus 5

Quiet and upgradeable : the powerful fitting center that can be retro actively up graded with minimal effort.



## Dräger PSS® 5000 Compressed Air Breathing Apparatus



- The Dräger PSS® 5000 SCBA is a new generation high performance breathing apparatus for the professional firefighter. Combining advanced ergonomics with a wide range of configurable options the Dräger PSS® 5000 provides the user with the comfort and versatility to meet the demands of first responders whenever breathing protection is required



## Dräger PAS Lite Compressed Air Breathing Apparatus



Anti-static, impact, bending and chemical resistant

Lightweight and flame-retardant buckles

Rubber fabric provides solid grip on cylinder

Rubber gauge cover provides impact protection

Hard-wearing and flame-retardant adjusting straps

- Safety has never been so simple. Dräger PAS Lite – Keep operations going with this simple, easy to use and maintain self-contained breathing apparatus.

Easy to use and maintain



Dräger PSS 3000 features and benefits

**LUKAS**

**Spreader SP 555 E2**



Gives you time when every second counts: The SP 555 E2 rescue spreader allows real professionals to get their job done quicker, and more successfully! There are strong reasons for this breathtaking performance: The device has a sensational 16% reduction in weight compared to its predecessor, and it can still show off its muscles! Its heart beats in the form of an optimised, high-performance rescue battery. In order to prepare the SP 555 E2 even better for its work, the squeezing plates are integrated directly into its arm. Plus, there are ultra-sharp “Shark Tooth” tips for irresistible grip. The SP 555 E2 is the benchmark when it comes to spreading, pulling and squeezing with mobile all-round devices. It even has an attractive design. A must for real professionals.

**LUKAS**

**Cutter S 700 E2**



The previous model was already unmatched, but now the S 700 E2 is raising the bar even higher. This cutter is at the top of its class, 10% lighter and with newly designed blades for maximum strength and improved handling. LUKAS eDRAULIC has proven its strength at work in real-life operations for years – benefit from our experience! We’ve optimised the second-generation eDRAULIC to the needs of real firefighters in real scenarios. Everything else is just theory.

**IMPROVED BY REALITY**





دفتر مرکزی : تهران ، شهرک ژاندارمری ، بلوار مرزداران ، خیابان سپهر ، نبش زاگرس شرقی ، پلاک ۴۴  
 طبقه ۴ ، واحد ۷  
 کد پستی : ۱۴۶۳۸۴۶۱۵۹  
 تلفن : ۰۰۲۸ ۲۸ ۴۴ - ۰۲ ۲۸ ۵۸ ۴۴ - ۰۱ ۲۸ ۵۸ ۴۴  
 فروشگاه شماره ۱ : تهران ، خیابان امام خمینی ، روبروی بیمارستان سینا ، پاساژ رشید ۳ ، شماره ۱۸  
 تلفن : ۰۰۲۸ ۲۸ ۴۴ - ۰۱ ۲۸ ۵۸ ۴۴ - ۰۲ ۲۸ ۵۸ ۴۴  
 فروشگاه شماره ۲ : تهران ، میدان رازی ، خیابان هلال احمر ، پاساژ ایمنی نگین رازی ، شماره ۲۱۶  
 تلفن : ۰۰۲۸ ۲۸ ۴۴ - ۰۱ ۲۸ ۵۸ ۴۴ - ۰۲ ۲۸ ۵۶ ۹۰ - ۰۳ ۲۸ ۵۶ ۴۴ - ۰۴ ۲۸ ۵۶ ۷۲