



Hand and wrist injuries still account for the largest number of injuries to the different parts of the human body in today's workforce. Therefore North Safety Products has decided to invest in this product range and is committed to provide workers with the best possible protection against workplace hazards. Furthermore North's complete new line of Hand Protection Products has been designed to provide cost effective protection in a wide variety of applications.

How to define the best protective glove for a certain application

• According to CE norms	• Consistent quality	• Long lifetime
• High level of protection	• ISO production	• No skin irritations
• Comfort and fit	• Clean and nice look	• Supplied with good service
• Efficient work is possible	• Good quality price ratio	• Well known brand
• High user acceptance		

What kind of application is the glove for and what kind of protection is required

1. Mechanical resistance	3. Unusual temperatures like heat or cold resistance
2. Chemical resistance	4. Product protection

Industry Terminology

KW = Knitwrist	35cm and 40cm = Elbow Length
27cm = Wrist Length	60cm = Shoulder Length

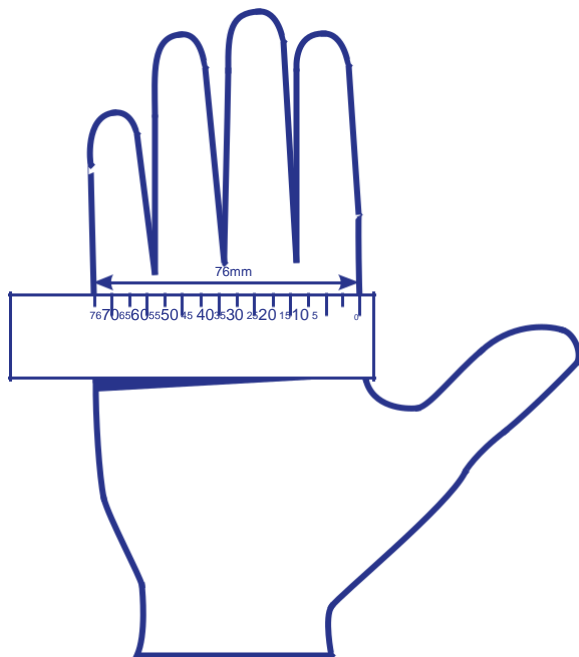
Glove Size & Fit

A proper fit is extremely important. An uncomfortable fit causes hand fatigue and ultimately could lead to a potential work-place hazard.

How to Measure Your Hand

With a ruler, start at index finger and measure the width of your hand at knuckle area.

51mm	Size 6	XS
64mm	Size 7	S
76mm	Size 8	M
89mm	Size 9	L
102mm	Size 10	XL
115mm	Size 11	XXL



CE Regulations for Safety Gloves

Below you will find some information about the CE norms for Hand Protection. If you are interested in more detailed information, please do not hesitate to contact North Safety Products.



This pictogram indicates that the user has the possibility to consult instructions for use.

CE INFORMATION

All products are fully tested and certified in accordance with the PPE Directive and carry the CE mark. They are independently tested by external accredited laboratories as appropriate using European norms or ENs and independently certified by Notified Bodies by means of EC Type Examination.

All gloves of Intermediate and Complex design must now be tested independently to ascertain their performance and ensure their safety. They must, if they meet these standards, carry a CE Mark on the gloves, or on their packaging when this is not practical.

CATEGORISATION

Under the terms of the above directive, gloves fall into the following three categories:

CATEGORY 1 - Simple Design

For minimal risks only. Suitable only for low risk applications where the hazards can be identified by the wearer in the time to deal with them.



CATEGORY 2 - Intermediate Design

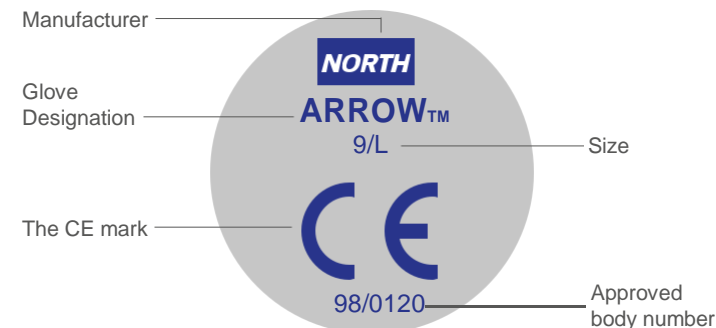
Reversible risks. Products are type-examined by an approved body where they examine the manufacturer's technical specifications and conduct tests for the relevant standards to ascertain their conformity and/or performance.



CATEGORY 3 - Complex Design

For protection against mortal danger or risks which cause irreversible harm. Product is type tested as in CE information above and in addition

the QA system in all North Safety Products manufacturing units is regularly audited by a Notified Body.



CHEMICAL RESISTANCE - PERMEATION

When tested in accordance with EN 374, the Chemical Permeation performance level is indicated as Breakthrough Time.

European Standards (ENs)

EN 420, 2003

BREADTH

This standard defines the general requirements for protective gloves in terms of construction, fitness of purpose, safety, etc.

EN 420, 2003 determines:

- Ergonomics
- Innocuousness
- Cleaning
- Marking of the glove and the packing

REQUIREMENTS

- The gloves themselves should not impose a risk or cause injury.
- The pH of the gloves should be as close as possible to neutral.
- Leather gloves should have a pH value between 3.5 – 9.5.
- The highest permitted value for chromium is 3 mg/kg (chrome VI).
- The gloves must specify details of any substance used in the glove which is known to cause allergies.
- The glove must be sized by reference to an agreed common European hand size, for example minimum length.

On top of EN 420, all gloves in category 2 and 3 (intermediate and complex design) require tests by an independent and notified body according to the CE specification. The most important tests are according to the standards on the following pages.

EN 388



PROTECTIVE GLOVES AGAINST MECHANICAL RISKS

1. RESISTANCE TO ABRASION
Based on the number of cycles required to abrade through the sample glove (abrasion by sandpaper under a stipulated pressure). The protection factor is then indicated on a scale from 1 to 4 depending on how many revolutions are required to make a hole in the material. The higher the number, the better the glove. See table below.
2. BLADE CUT RESISTANCE
Based on the number of cycles required to cut through the sample at a constant speed. The protection factor is then indicated on a scale from 1 to 4.
3. TEAR RESISTANCE
Based on the amount of force required to tear the sample.
The protection factor is then indicated on a scale from 1 to 4.
4. PUNCTURE RESISTANCE
Based on the amount of force required to pierce the sample with a standard sized point. The protection factor is then indicated on a scale from 1 to 4.
- VOLUME RESISTIVITY
This indicates Volume resistivity, where a glove can reduce the risk of electrostatic discharge. (Pass or fail test).
These pictograms only appear when the gloves have passed the relevant test.

If some of the results are marked with a X means that this test performance is not tested. If some of the results are marked with a O means that the glove did not pass the test.

Consider the acronym ACT-P as a convenient reference to remembering the four physical tests.

Criteria Performance Guide for EN 388: Mechanical Hazards

Performance Level		0	1	2	3	4	5
A	Abrasion Resistance (Cycles)	<100	100+	500+	2000+	8000+	N/A
C	Blade Cut Resistance (Index)	<1.2	1.2+	2.5+	5.0+	10.0+	20.0+
T	Tear Resistance (Newtons)	<10	10+	25+	50+	75+	N/A
P	Puncture Resistance (Newtons)	<20	20+	60+	100+	150+	N/A

EN 374:2003

PROTECTIVE GLOVES AGAINST CHEMICALS AND/OR MICRO-ORGANSIMS

- In many countries there are more than 15 000 different chemicals in use in more than 60 000 products within industry, construction, agriculture etc. Tested and approved chemical gloves are the right solution against many of this chemicals. In order for us to help you find the right kind of glove, you need to supply us with the name of the chemical and approximately how long you will be in contact with it.
- Pictogram (1) depicts a chemical gloves that is not approved according to EN 374-2004, but is approved according to the old EN 374-1994. (EN 374-1994 is still relevant.)
 - Pictogram (2) depicts a chemical glove that is approved according to EN 374-2004.

BREATH
This standard specifies the capability of gloves to protect the user against chemicals and/or micro-organisms.

TERM DEFINITIONS
Penetration
Movement of a chemical and/or micro-organism through porous materials, seams, pinholes or other imperfections in a protective glove material on a non-molecular level.

Permeation
Process by which a chemical moves through a protective glove material on a molecular level. Permeation involves the following:

- Absorption of molecules of chemicals on the contracted (outside) surface of a material
- Diffusion of the absorbed molecules in the material
- Desorption of the molecules from the opposite (inside) surface of the material.

Breakthrough Time
The time elapsed between the initial application of the chemical to the outside of a protective glove material and its subsequent presence on the inside as measured in EN 374 part 3 and is defined as the time when the permeation rate equates to 1 microgram per minute per square cm.

EN 374:2003 Cont.

REQUIREMENTS

- Minimum Liquid Proof Section**
The minimum liquid proof section of the glove must be at least equal to the minimum length of the gloves specified in EN 420.
- Penetration**
A glove must not leak when tested to an air and/or water leak test, and shall be tested and inspected in compliance with the Acceptable Quality Level.
- Permeation**
Chemicals are tested and classified for breakthrough time on a scale of 0-6.

EN 374

1

The “**Chemical resistant**” glove pictogram must be accompanied by a 3-digit code. This code refers to the code letters of 3 chemicals (from a list of 12 standard defined chemicals), for which a breakthrough time of at least 30 minutes has been obtained.

Code letter	Chemical	CAS number	Category
A	Methanol	67-56-1	Primary alcohol
B	Acetone	67-64-1	Ketone
C	Acetonitrile	75-05-8	Nitrile compound
D	Dichloromethane	75-09-2	Chlorinated paraffin
E	Carbon disulphide	75-15-0	Sulphur containing organic compound
F	Toluene	108-88-3	Aromatic hydrocarbon
G	Diethylamine	109-89-7	Amine
H	Tetrahydrofuran	109-99-9	Heterocyclic and ethereal compound
I	Ethyl acetate	141-78-6	Ester
J	n-Heptane	142-85-5	Saturated hydrocarbon
K	Sodium hydroxide 40%	1310-73-2	Inorganic base
L	Sulphuric acid 96%	7664-93-8	Inorganic mineral acid

EN 374

2

A “**Waterproof**” / “**Low Chemical Resistant**” pictogram is reserved for cases where gloves did not achieve a Breakthrough Time of 30 minutes or greater for at least 3 defined chemicals, but do comply with penetration testing.

EN 374

“**Micro-organism**”
A glove shall be considered as Micro-organism resistant if it conforms to at least level 2 in the Penetration test of EN 374.

EN 12477

EN 388

ACTP

EN 407

ABCDEF

WELDING GLOVES
This standard describes how the gloves are designed to provide protection for both hand and wrist while welding or similar work, this is a combination from testing EN 388 and EN 407. Welding gloves shall provide resistance to small splashes of molten metal, short exposure to convective heat, to radiant heat and to contact heat. The welding gloves shall give protection from mechanical risks as well.

Type A refer to gloves that shall provide a higher protection against heat.
Type B refer to gloves that provide a lower protection against heat but they are more flexible and pliable.

The EN 407 pictogram is followed by series of performance levels/numbers, depicting any of the six performance levels relating to specific protective qualities. (Performance levels A to F can be seen on the table on the next page.)

EN 407



PROTECTIVE GLOVES AGAINST THERMAL HAZARDS

The nature and degree of protection is shown by a pictogram followed by a series of six performance levels, relating to specific protective qualities. The higher the number, the better the test result. The following is tested:

A. Resistance to flammability

The glove's material is stretched and lit with a gas flame. The flame is held against the material for 15 seconds. After the gas flame is distinguished, the length of time is measured for how long the material either glows or burns.

B. Resistance to contact heat

The glove's material is exposed to temperatures between +100°C and +500°C. The length of time is then measured for how long it takes the material on the inside of the glove to increase by 10°C from the starting temperature (approx. 25°C). 15 seconds is the minimum accepted length of time for approval. For example: to be marked with class 2, the glove's inside material must manage 250°C heat for 15 seconds before the material exceeds 35°C.

C. Resistance to convective heat

The amount of time is measured for the heat from a gas flame (80Kw/kvm) to increase the temperature of the glove's inside material by 24°C.

D. Resistance to radiant heat

The glove's material is stretched in front of a heat source with an effect of 20-40 kw/kvm. The average time is measured for heat penetration of 2.5 kw/kvm.

E. Resistance to small splashes of molten metal

The test is based on the total number of drops of molten metal required to increase the temperature by 40°C between the inside of the glove and the skin.

F. Resistance to large splashes of molten metal

Simulated skin is attached to the inside of the glove material. Molten metal is then poured over the glove material. The total number of grams is measured of how much molten metal is required to damage the simulated skin.

Performance Level		Level 1	Level 2	Level 3	Level 4
A	Resistance to Flammability	< 20s No Rqmt	< 10s < 120s	< 3s < 25s	< 2s < 5s
B	Contact Heat (cont. temp. & threshold temp)	100° C > 15s	250° C > 15s	350° C > 15s	500° C > 15s
C	Convective Heat (heat transfer delay)	> 4s	> 7s	> 10s	> 18s
D	Radiant Heat (heat transfer delay)	> 5s	> 30s	> 90s	> 150s
E	Small Drops Molten Metal (# drops)	> 5	> 15	> 25	> 35
F	Large Quantity Molten Metal (mass)	30g	60g	120g	200g

EN 421:1994

GLOVES GIVING PROTECTION FROM IONIZING RADIATION AND RADIOACTIVE CONTAMINATION

TERM DEFINITIONS

The type of protection that a glove provides is indicated by a pictogram related to the specific protective qualities.

EN 421

Protection from Radioactive Contamination

The glove is required to be liquid proof and able to pass the penetration test as laid out in EN 344.

Gloves used in containment enclosures must also pass a specific air pressure leak test.

EN 421

Protection from Ionizing Radiation

The glove is required to contain a certain quality of lead (or lead equivalence) which is marked on each glove.

Any material exposed to Ionizing Radiation may be modeled by their behavior to ozone cracking. This is an optional test that may be used as an aid in selecting gloves that require Ionizing Radiation resistance.

EN 511



PROTECTIVE GLOVES AGAINST COLD

BREADTH

This standard indicates that a glove provides protection from both convective and contact cold down to -50° C.

TERM DEFINITIONS

Protection Against Cold

This is shown by a pictogram which is followed by 3 performance levels/numbers, each pertaining to specific qualities.

The 3 levels/numbers represent:

A. Resistance to convective cold (performance level 0-4)

B. Resistance to contact cold (performance level 0-4)

C. Permeability to water (0 or 1)
0 = Water penetration after 30 minutes
1 = no water penetration after 30 minutes

EN 455

REQUIREMENTS FOR SINGLE USE MEDICAL GLOVES

BREADTH

This standard specifies requirements and tests for gloves for medical purpose.

The following is tested:

- Impermeability
- Sizing
- Strength and thickness
- Maximum elasticity both before and after accelerated ageing
- Biological safety qualities

South African Standard

SANS 416:2007



PVC Gloves Type 1
PROTECTIVE GLOVES AGAINST CHEMICALS

BREADTH

Determination of resistance against chemicals, namely, aqueous solutions of acids, acid salts, alkalis, alkaline salts and alcohols.

- Reagents that are used for the test are NaOH, H2SO4, normal butanol.
- These gloves also offer good resistance to abrasion.

Product	HAP1 1601K
Description	Standard Weight PVC Glove Knitwrist (SABS)
Physical Properties	A fabric reinforced PVC dip coated glove with Hygesan formula
Uses	General handling applications, also when a worker works or handles chemicals
Mechanical	Abrasion Suitable for general application Cut Suitable for minimal application Puncture Suitable for minimal application
Chemical	Acids & Bases Suitable for general application Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for: Chloroform, Ethyl Ether, Nitric Acid, Paint Remover, Perchloroethylene, Trichloroethylene

PVC	
 	
Suitable Chemicals Aluminium Chloride, Potassium Chloride, Ethylene Glycol, Plating Solutions Chrome, Epoxy Resin, Tannic Acid, Citric Acid, Sodium Hydroxide (50%), Formic Acid	
Standard	SABS - SANS 416:2007
Size	8

 	
Suitable Chemicals Aluminium Chloride, Potassium Chloride, Ethylene Glycol, Plating Solutions Chrome, Epoxy Resin, Tannic Acid, Citric Acid, Sodium Hydroxide (50%), Formic Acid	
Standard	SABS - SANS 416:2007
Size	8

Product	HAP1 1601
Description	Standard Weight PVC Glove 27cm (SABS)
Physical Properties	A fabric reinforced PVC dip coated glove with Hygesan formula
Uses	General handling applications, also when a worker works or handles chemicals
Mechanical	Abrasion Suitable for general application Cut Suitable for minimal application Puncture Suitable for minimal application
Chemical	Acids & Bases Suitable for general application Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for: Chloroform, Ethyl Ether, Nitric Acid, Paint Remover, Perchloroethylene, Trichloroethylene

Product	HAP1 1604
Description	Standard Weight PVC Glove 40cm (SABS)
Physical Properties	A fabric reinforced PVC dip coated glove with Hygesan formula
Uses	General handling applications, also when a worker works or handles chemicals
Mechanical	Abrasion Suitable for general application Cut Suitable for minimal application Puncture Suitable for minimal application
Chemical	Acids & Bases Suitable for general application Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for: Chloroform, Ethyl Ether, Nitric Acid, Paint Remover, Perchloroethylene, Trichloroethylene

 	
Suitable Chemicals Aluminium Chloride, Potassium Chloride, Ethylene Glycol, Plating Solutions Chrome, Epoxy Resin, Tannic Acid, Citric Acid, Sodium Hydroxide (50%), Formic Acid	
Standard	SABS - SANS 416:2007
Size	8

 	
Suitable Chemicals Aluminium Chloride, Potassium Chloride, Ethylene Glycol, Plating Solutions Chrome, Epoxy Resin, Tannic Acid, Citric Acid, Sodium Hydroxide (50%), Formic Acid	
Standard	SABS - SANS 416:2007
Size	8

Product	HAP1 1606C
Description	Standard Weight PVC Glove 60cm (SABS)
Physical Properties	A lined dip coated PVC glove that is extended with yellow PVC Coated Polyester that is attached to the cuff. All the seams are High Frequency welded.
Uses	General handling applications, also when a worker works or handles chemicals
Mechanical	Abrasion Suitable for general application Cut Suitable for minimal application Puncture Suitable for minimal application
Chemical	Acids & Bases Suitable for general application Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for: Chloroform, Ethyl Ether, Nitric Acid, Paint Remover, Perchloroethylene, Trichloroethylene

Product	HAP1 R20/KW
Description	Medium Weight Open Cuff PVC Glove (EN approved)
Physical Properties	RedCote General purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid but not recommended for use with chemical liquids.
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user
Mechanical	Abrasion EN level 4 Cut EN level 1 Tear EN level 1 Puncture EN level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for chemical handling

 	
Maintenance Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.	
Size	9.5
Standard	EN 388:2003

 	
Maintenance Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.	
Size	9.5
Standard	EN 388:2003

Product	HAP1 R30/27
Description	Medium Weight 27cm Open Cuff PVC Glove (EN approved)
Physical Properties	RedCote general purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemical liquids.
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user
Mechanical	Abrasion EN level 4 Cut EN level 1 Tear EN level 1 Puncture EN level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for chemical handling

Product	HAP1 R60/40	
Description	Medium Weight 40cm Open Cuff PVC Glove (EN approved)	
Physical Properties	RedCote general purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemical liquids.	
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user.	
Mechanical	Abrasion EN level 4 Cut EN level 1 Tear EN level 1 Puncture EN level 1	
Chemical	Acids, Bases & Solvents Not suitable	
Heat	Not suitable for heat or cold	
Precautions	Not suitable for chemical handling	



4111



Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
Standard	EN 388:2003
Size	9.5



4111

Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
Size	9.5
Standard	EN 388:2003

Product	HAP1 R20/TKW	
Description	Heavy Weight Knitwrist PVC Glove (EN approved)	
Physical Properties	RedCote general purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemical liquids	
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user	
Mechanical	Abrasion EN level 4 Cut EN level 1 Tear EN level 1 Puncture EN level 1	
Chemical	Acids, Bases & Solvents Not suitable	
Heat	Not suitable for heat or cold	
Precautions	Not suitable for chemical handling	

Product	HAP1 R30/T27	
Description	Heavy Weight 27cm Open Cuff PVC Glove (EN approved)	
Physical Properties	RedCote general purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemical liquids.	
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user.	
Mechanical	Abrasion EN level 4 Cut EN level 1 Tear EN level 1 Puncture EN level 1	
Chemical	Acids, Bases & Solvents Not suitable	
Heat	Not suitable for heat or cold	
Precautions	Not suitable for chemical handling	



4111

Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
Size	9.5
Standard	EN 388:2003



4111

Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
Size	9.5
Standard	EN 388:2003

Product	HAP1 801K	
Description	Heavy Weight Knitwrist PVC Glove	
Physical Properties	A fabric reinforced PVC dip coated glove. The front section of the liner is made with lightweight Normac and the back section is made with Interlock cotton. Knitted cuff.	
Uses	Used for heavy duty jobs where durability is required i.e. handling machinery in mines	
Mechanical	Abrasion Suitable for heavy application Cut Suitable for general application Puncture Suitable for heavy application	
Chemical	Acids, Bases & Solvents Not suitable	
Heat	Not suitable for heat or cold	
Precautions	Not suitable for chemical handling. Do not use for heat and cold applications.	



Standard	SABS - SANS 1228
Size	8



Standard	SABS - SANS 1228
Size	8

Product	HAP1 801	
Description	Heavy Weight 27cm PVC Glove	
Physical Properties	A fabric reinforced PVC dip coated glove. The front section of the liner is made with lightweight Normac and the back section is made with interlock cotton.	
Uses	Used for heavy duty jobs where durability is required i.e. handling machinery in mines	
Mechanical	Abrasion Suitable for heavy application Cut Suitable for general application Puncture Suitable for heavy application	
Chemical	Acids, Bases & Solvents Not suitable	
Heat	Not suitable for heat or cold	
Precautions	Not suitable for chemical handling	

Product	HAP1 804
Description	Heavy Weight 40cm PVC Glove
Physical Properties	A fabric reinforced PVC dip coated glove. The front section of the liner is made with light weight Normac and the back section is made with Interlock cotton.
Uses	Used for heavy duty jobs where durability is required i.e. handling machinery in mines
Mechanical	Abrasion Suitable for heavy application Cut Suitable for general application Puncture Suitable for heavy application
Chemical	Acids & Bases Suitable for general application Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Ensure the glove is not used for heat or cold. Do not use for chemical handling



Standard	SABS - SANS 1228
Size	8

Product	HAP1 2202/KW
Description	Medium Weight Knitwrist PVC Glove
Physical Properties	General purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemical liquids.
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user.
Mechanical	Abrasion EN level 3 Cut EN level 1 Tear EN level 1 Puncture EN level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for chemical handling



Colours available:
■ Orange
■ Lime Green



Product	HAP1 2202/KW/LGRN
Description	Medium Weight Knitwrist PVC Glove with Polyester Liner
Physical Properties	General purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemical liquids.
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user.
Mechanical	Abrasion EN level 3 Cut EN level 1 Tear EN level 1 Puncture EN level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for chemical handling



Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
Size	9.5
Standard	Conforms to EN 388

Product	HAP1 2227/27/LGRN
Description	Medium Weight 27cm PVC Glove with Polyester Liner
Physical Properties	General purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemical liquids.
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user.
Mechanical	Abrasion EN level 3 Cut EN level 1 Tear EN level 1 Puncture EN level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for chemical handling



Colours available:
■ Orange
■ Lime Green



Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
Size	9.5
Standard	Conforms to EN 388

Product	HAP1 2227/27
Description	Medium Weight 27cm Open Cuff PVC Glove
Physical Properties	General purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemical liquids.
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user.
Mechanical	Abrasion EN level 3 Cut EN level 1 Tear EN level 1 Puncture EN level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for chemical handling



Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
Size	9.5
Standard	Conforms to EN 388

Product	HAP1 2235/35
Description	Medium Weight 35cm Open Cuff PVC Glove
Physical Properties	General purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemical liquids.
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user.
Mechanical	Abrasion EN level 3 Cut EN level 1 Tear EN level 1 Puncture EN level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for chemical handling



Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
Size	9.5
Standard	Conforms to EN 388

Product	HAP1 2235/35
Description	Medium Weight 35cm Open Cuff PVC Glove
Physical Properties	General purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemical liquids.
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user.
Mechanical	Abrasion EN level 3 Cut EN level 1 Tear EN level 1 Puncture EN level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for chemical handling



Colours available:
■ Orange
■ Lime Green



Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
Standard	Conforms to EN 388
Size	9.5

Product	HAP1 2235/35
Description	Medium Weight 35cm Open Cuff PVC Glove
Physical Properties	General purpose handling glove. Tough, flexible, smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemical liquids.
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user.
Mechanical	Abrasion EN level 3 Cut EN level 1 Tear EN level 1 Puncture EN level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not suitable for chemical handling

Product	HAP1 HV30/27PP
Description	Heavy Weight 27cm PVC Glove, Reinforced Thumb & Forefinger
Physical Properties	General purpose handling glove. Tough, flexible, rough palm, high visibility PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid proof but not recommended for use with chemicals.
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user.
Heat	Not suitable for heat nor cold
Mechanical	Abrasion Suitable for heavy application Cut Suitable for general application Puncture Suitable for heavy application
Precautions	Not suitable for chemical handling



Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
Standard	Conforms to EN 388
Size	9.5



Precautions	Not suitable for chemical handling
Standard	Conforms to EN 388
Size	9.5

Product	HAP1 HV60/40PP
Description	Heavy Weight 40cm PVC Glove, Reinforced Thumb & Forefinger
Physical Properties	General purpose handling glove. Tough flexible smooth PVC coating will withstand abrasion in dry handling conditions. Protection levels are measured from palm area of glove. Intermediate safety category. Liquid but not recommended for use with chemical liquids
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user
Heat	Not suitable for heat or cold
Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazards exist, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.

Product	HAN1 HN742-L
Description	Blue Nitrile Fully Coated Glove
Physical Properties	Nitrile glove with safety cuff and jersey liner, offering excellent resistance to petrol, oils and chemicals with the sensitivity of touch.
Uses	Handling parts and components, general assembly, machining, plumbing, tooling, automotive, painting, horticulture, maintenance and building. Suitable for handling food.
Mechanical	Abrasion EN Level 4 Tear EN Level 1 Cut EN Level 2 Puncture EN Level 1
Chemical	Acids, Bases, & Solvents Suitable for general application
Heat	Suitable for minimal application
Standard	EN 420 & EN 388
Size	10



Precautions	Suitable for most acids, bases and solvents, caution must be taken on chemicals with high concentrations. Specific permeation data should be sought before use. Not to be used for heat resistant applications.
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Precautions	Suitable for most acids, bases and solvents, caution must be taken on chemicals with high concentrations. Specific permeation data should be sought before use. Not to be used for heat resistant applications.
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Product	HAN1 HN722-L
Description	Navy Nitrile Fully Coated Knitwrist Glove
Physical Properties	Nitrile glove with knitted wrist and jersey liner, offering excellent resistance to petrol, oils and chemicals with the sensitivity of touch.
Uses	Handling parts and components, general assembly, machining, plumbing, tooling, automotive, painting, horticulture, maintenance and building. Suitable for handling food.
Mechanical	Abrasion EN Level 4 Cut, Tear & Puncture EN Level 1
Chemical	Acids, Bases & Solvents Suitable for general application
Heat	Suitable for minimal application
Standard	EN 420 & EN 388
Size	10

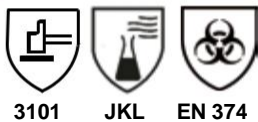
Product	HAF1 LOGGER GLOVE
Description	Open Cuff Nitrile Glove
Physical Properties	A cotton lined Nitrile coated glove with a terry palm and jersey back. The glove has a tough heavy weight coating and has a rough patterned appearance on the palm
Uses	For heavy duty applications
Mechanical	Abrasion Suitable for general application. EN Level 4 Cut Suitable for general application. EN Level 2 Tear Suitable for heavy application. EN Level 4 Puncture Suitable for minimal application. EN Level 2
Chemical	Acids, Bases & Solvents Not suitable
Heat	Heat & Cold Not suitable
Standard	EN 420 & EN 388



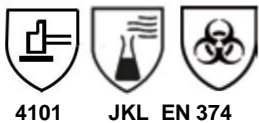
Precautions	Suitable for most acids, bases and solvents, caution must be taken on chemicals with high concentrations. Specific permeation data should be sought before use. Not to be used for heat resistant applications.
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Product	HAN2 0921-L
Description	Yellow 100% Nitrile Fully Coated Interlock Cotton Liner for Comfort with Knitted Wrist. Designed for Durability and High Dexterity.
Physical Prop.	0.7mm ± 0.0mm thickness
Uses	Handling parts and components, general assembly, machining, plumbing, tooling, automotive, painting, horticulture, maintenance and building. Suitable for handling food.
Mechanical	Abrasion EN Level 3 Tear EN Level 1 Cut EN Level 1 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Suitable for general application
Heat	Suitable for minimal application
Standard	EN 388
Size	10

Product	HAN1 LA142G
Description	100% Nitrile Glove 33cm; 0.38mm (15ml)
Physical Properties	An unlined nitrile glove that offers good protection against acids, bases, and solvents. Free of latex proteins which can cause allergic reactions.
Uses	For chemical and food industries, laboratories, assembly, cleaning, and other applications requiring flexibility and dexterity
Mechanical	Abrasion EN Level 3 Cut EN Level 1 Tear EN Level 0 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Suitable for general application
Heat	Not suitable for heat or cold
Standard	EN 388, EN 374 JKL, EN 374:2003, EN 420:2003
Suitable Chemicals: Aluminium Chloride, Ethyl Alcohol, Animal Fats, Ethylene, Trichloride, Butane, Freon 11 & 12, Butyl Alcohol, Gasoline, Calcium Hypochlorite, Hydraulic Fluid Petroleum Base, Citric Acid, Lubricating Oils (Petroleum), Epoxy Resin, Mineral Oil, Turpentine	



Precautions	Suitable for most acids, bases, and solvents, caution must be taken on chemicals with high concentrations. Specific permeation data should be sought before use. Caution when using: Chloroform - 4 minutes, Dichloroethane (Not suitable), Freon 21 & 22 (Not suitable), Trichloroethylene - 8 minutes
Size	8M, 9L, 10XL







Precautions	Suitable for most acids, bases, and solvents, caution must be taken on chemicals with high concentrations. Specific permeation data should be sought before use. Caution when using: Chloroform - 4 minutes, Dichloroethane (Not suitable), Freon 21 & 22 (Not suitable), Trichloroethylene - 8 minutes.
Size	8M, 9L, 10XL

Product	HAN1 LA172G
Description	100% Nitrile Glove 33cm; 0.43mm (17mil)
Physical Properties	A flock lined Nitrile glove that offers good protection against acids, bases, and solvents. Free of latex proteins which can cause allergic reactions.
Uses	For chemical and food industries, laboratories, assembly, cleaning, and other applications requiring flexibility and dexterity
Mechanical	Abrasion EN Level 4 Cut EN Level 1 Tear EN Level 0 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Suitable for general application.
Heat	Not suitable for heat or cold
Standard	EN 388, EN 374 JKL, EN 374:2003
Suitable Chemicals: Aluminium Chloride, Ethyl Alcohol, Animal Fats, Ethylene, Trichloride, Butane, Freon 11 & 12, Butyl Alcohol, Gasoline, Calcium Hypochlorite, Hydraulic Fluid Petroleum Base, Citric Acid, Lubricating Oils (Petroleum), Epoxy Resin, Mineral Oil, Turpentine	

Product	HAR1 EXAMGLOVE/EXAMGLOVENP
Description	Powdered/Non-Powdered Natural Latex Examination Glove 23cm with Rolled Cuff; 0.13mm Thickness
Physical Prop.	A natural latex glove, ambidextrous, smooth surface
Uses	Single use for cleanup, electronic assembly, packaging and inspections
Type	Non sterile, powdered
Standard	EN 455 Part 1, 2 & 3: 2000
Size	S/M/L



B.T.T	"Break Through Time" is defined as the elapsed time between first exposure of the fabric to chemical and the rate of permeation reaching a target value. The target permeation rate for tests according to EN 374-3 is one microgram of chemical passing through each square centimetre of fabric every minute. When measured according to the standard method, the breakthrough time is a value by which the performance of different fabrics can be compared.
Standard	EN 388, EN 374 AKL, EN 374, EN 421
Size	7, 8, 9, 10

Product		HAN1 T224FLC	
Description		Heavy Weight 0.70mm (28 ml) Thick, Flocklined, Neoprene over Latex Bi-Colour (blue over yellow), 12 inch (30cm) Length Gauntlet. Chlorination treatment.	
Physical Prop.		Yellow natural latex with blue Neoprene and cotton flocked lining	
Mechanical		Abrasion EN Level 2 Cut EN Level 1 Tear EN Level 1 Puncture EN Level 0	
Chemical		Chemicals	B.T.T (Min) Class
 2110	 AKL	Methanol (A)	>60 3
		40% Sodium Hydroxide (K)	>120 4
 EN 374 EN 421		96% Sulphuric Acid (L)	>30 2
		73% Hydrofluoric Acid	>480 6
		10% Hydrochloric Acid	>480 6
		25% Acetic Acid	>120 4
		37% Formaldehyde	>10 1
		98% Ethanol	>30 2

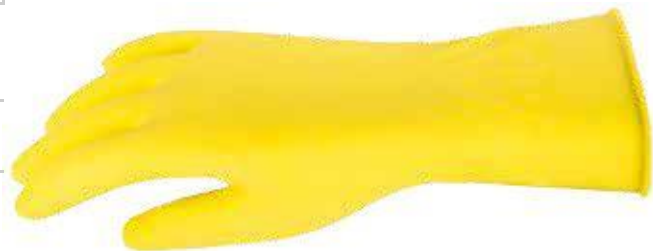
Product	HAR2 321BL
Description	Beaded Rubber Glove (Smooth Palm) 40cm
Physical Prop.	An unsupported medium weight rubber glove with beaded cuff
Uses	For handling acids and bases
Mechanical	Abrasion Not Suitable Cut Not Suitable Puncture Not Suitable
Chemical	Acids Suitable for general application Bases Suitable for general application Solvents Not Suitable
Size	9L
Standard	Conforms to EN 420
Heat & Cold	Not suitable




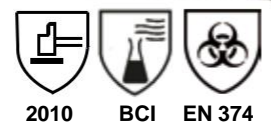
Size	One size
Standard	None

Product	HAR1 382FB
Description	Yellow Latex Rubber Glove 27cm
Physical Properties	A cut resistant short latex glove with canvas cuff. Natural Latex wrinkle finish coating. Jersey liner. Excellent grip. Also available in knitwrist.
Uses	For protection against cuts, abrasion and puncture. For example, in the handling of metal sheeting.
Mechanical	Abrasion Suitable for minimum application Cut Suitable for general application Puncture Suitable for minimum application
Chemical	Acids, Bases & Solvents Not suitable
Heat	Not suitable for heat or cold
Precautions	Not to be used for protection against chemicals. Caution to be taken when handling sharp objects.

Product	HAR1 RG399
Description	Natural Latex Glove with Flock Lining
Physical Properties	Yellow, cotton flock-lined glove with extra long fluted cuff for added protection. Curved fingers, contour palm designed for excellent fit, honey comb design for increased grip.
Uses	Chemical handling and processing, food processing and preparation, janitorial
Mechanical	Abrasion Suitable for minimal application Cut Suitable for minimal application Puncture Suitable for minimal application
Chemical	Acids, Bases & Solvents Suitable for general application
Heat	Not suitable for heat or cold
Precautions	Suitable for most low concentration acids, bases, and solvents, caution must be taken on chemicals with high concentrations. Specific permeation data should be sought before use.



Standard	None
Size	S/M/L/XL

Butyl			
			
			
Chemical	Reagent	Level	Time
	Acetone	6	> 8 hrs
	Chloroform	1	25 min
	Hexane	1	5 min
	98% Sulphuric Acid	6	> 8 hrs

Product	HAB1 B324R
Description	Butyl Unsupported Gauntlet, 35cm, Rough Finish
Physical Properties	Butyl unsupported gauntlet, specially designed for handling Ketones (MEK, MIBK, Acetone) and Esters (Tricresyl Phosphate, Amyl Acetate, Ethyl Acetate). Butyl exhibits the highest permeation resistance to gas or water vapour. Thickness is 0.81mm (32ml)
Uses	General purpose glove for daily handling tasks. Service life cannot be specified and depends on the application and responsibility of the user
Mechanical	Abrasion EN level 2 Cut EN level 0 Tear EN level 1 Puncture EN level 0
Size	8M, 9L, 10XL, 11XXL
Standard	EN 388, EN 374 BCI, EN 374:2003
Penetration	EN 374 Level 3

Product		HAU1 SSG	
Description	Silver, Flexible, Laminated. Resists Permeation by an Array of Toxic/Hazardous Chemicals		
Physical Prop.	Manufactured from Norfoil, a PTFE laminate		
Uses	An excellent choice for chemical and petrochemical laboratories, spill cleanups and a host of other applications. Also available as booties, sleeves and aprons.		
Chemical	Reagent	Level	Time
	36% Hydrochloric Acid	6	> 8 hrs
	Acetone	6	> 8 hrs
	Dioxane	6	> 8 hrs
	Trichloroethylene	6	> 8 hrs
All testing performed by SGS, Yarseley I.C.S., Camberley, Surrey GU15 3EY. Notified Body No.: 0120			
Penetration	EN 374 Level 3		

Silvershield



Mechanical	Abrasion EN level 4 Cut EN level 1 Tear EN level 2 Puncture EN level 1
Size	8,9,10
Standard	EN 388, EN 374 AHL, EN 374:2003



Size	One size
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Product	HAL1 HP6110
Description	Reinforced Chrome Leather Glove 5cm Cuff
Physical Prop.	All cow leather, double leather thumb and palm
Uses	To be used as a general handling glove
Mechanical	Abrasion Suitable for general application Level 4 Cut Suitable for general application Level 2 Tear Suitable for general application Level 3 Puncture Suitable for general application Level 3
Chemical	Acids, Bases & Solvents Not suitable
Heat	Suitable for general application
Precautions	Not to be used with chemicals of any sort Not to be used for heat resistant applications
Standard	EN 388

Product	HAL1 HP6111
Description	Reinforced Chrome Leather Glove 10cm Cuff
Physical Prop.	All cow leather, double leather thumb and palm
Uses	To be used as a general handling glove
Mechanical	Abrasion Suitable for general application Level 4 Cut Suitable for general application Level 2 Tear Suitable for general application Level 3 Puncture Suitable for general application Level 3
Chemical	Acids, Bases & Solvents Not suitable
Heat	Suitable for general application
Precautions	Not to be used with chemicals of any sort. Not to be used for heat resistant applications
Standard	EN 388



Size	One size
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Size	One size
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Product	HAL1 HP6113
Description	Reinforced Chrome Leather Glove 20cm Cuff
Physical Prop.	All cow leather, double leather thumb and palm
Uses	To be used as a general handling glove for welder's assistants
Mechanical	Abrasion Suitable for general application Level 4 Cut Suitable for general application Level 2 Tear Suitable for general application Level 3 Puncture Suitable for general application Level 3
Chemical	Acids, Bases & Solvents Not suitable
Heat	Suitable for general application
Precautions	Not to be used with chemicals of any sort. Not to be used for high heat resistant applications.
Standard	EN 388

Product HAL1 HP6114	
Description	Reinforced Chrome Leather Glove 40cm Cuff
Physical Prop.	All cow leather, double leather thumb and palm
Uses	To be used as a general handling glove for welder's assistants
Mechanical	Abrasion Suitable for general application Level 4 Cut Suitable for general application Level 2 Tear Suitable for general application Level 3 Puncture Suitable for general application Level 3
Chemical	Acids, Bases & Solvents Not suitable
Heat	Suitable for general application
Precautions	Not to be used with chemicals of any sort. Not to be used for high heat resistant applications
Standard	EN 388
Size	One Size



4233



Size	One size
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Description	Lined Welder's Heat Resistant Glove 30cm
Physical Properties	Red all cow leather glove with double apron, cotton and foam lining and Kevlar yarn. Can withstand contact heat up to 500°C.
Uses	High heat welding and furnace work
Mechanical	Abrasion EN Level 4 Cut EN Level 2 Tear EN Level 3 Puncture EN Level 3
Heat	Burning behaviour EN Level 4 Contact heat EN Level 1 Convective heat EN Level 3 Molten metal drops EN Level 4
Cold	Suitable for general application
Precautions	Not to be used with chemicals of any sort
Standard	EN 12477

Product HAL1 HP6180B	
Description	Lined Green Welder's Glove 5cm Cuff
Physical Properties	All cow leather glove with full cotton lining that can withstand heat of between 140-175°C
Uses	To be used as a general handling welding glove
Mechanical	Abrasion EN Level 4 Cut EN Level 2 Tear EN Level 3 Puncture EN Level 3
Heat	Burning behaviour EN Level 4 Contact heat EN Level 1 Convective heat EN Level 3 Molten metal drops EN Level 4
Cold	Suitable for general application
Chemical	Acids, Bases & Solvents Not suitable
Precautions	Not to be used with chemicals of any sort
Standard	EN 12477
Size	One size



4233

4134



4233

4134



Standard	EN 12477
Size	One Size

Description	Lined Green Welder's Glove 20cm Cuff
Physical Properties	All cow leather glove with full cotton lining that can withstand heat of between 140-175°C
Uses	To be used as a general handling welding glove
Mechanical	Abrasion EN Level 4 Cut EN Level 2 Tear EN Level 3 Puncture EN Level 3
Heat	Burning behaviour EN Level 4 Contact heat EN Level 1 Convective heat EN Level 3 Molten metal drops EN Level 4
Cold	Suitable for general application
Chemical	Acids, Bases & Solvents Not suitable
Precautions	Not to be used with chemicals of any sort

Product HAL1 88CU	
Description	Candy-Striped Leather Glove
Physical Prop.	Cow hide leather palm glove with striped canvas backing
Uses	To be used as a general handling glove
Mechanical	Abrasion Suitable for general application Cut Suitable for minimal application Puncture Suitable for general application
Chemical	Acids, Bases & Solvents Not suitable
Heat	Suitable for minimal application
Cold	Suitable for minimal application
Precautions	Not to be used with chemicals of any sort. Not to be used for heat resistant applications
Standard	None
Size	One size



Product HAL1 88PU	
Description	Candy-Striped Pigskin Glove
Physical Prop.	Pigskin leather palm glove with striped canvas backing
Uses	To be used as a general handling glove
Mechanical	Abrasion Suitable for general application Cut Suitable for minimal application Puncture Suitable for general application
Chemical	Acids, Bases & Solvents Not suitable
Heat	Suitable for minimal application
Cold	Suitable for minimal application
Standard	None
Size	One size



Precautions	Not to be used with chemicals of any sort. Not to be used for heat resistant applications
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Product	HAL1 A-GRIGGER/EXEC
Description	Candy-Striped Reinforced Leather Glove
Physical Properties	Cow hide Leather reinforced palm glove with striped canvas backing
Uses	To be used as a general handling glove
Mechanical	Abrasion Suitable for general application Cut Suitable for minimal application Puncture Suitable for general application
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Suitable for minimal application
Size	10
Precautions	Not to be used with chemicals of any sort. Not to be used for heat resistant applications.



Standard None

Cotton



1311

Product	HAC1 PD2
Description	Polka dot Glove
Physical Prop.	Cotton glove with impregnated rubber studs for added grip
Uses	General handling glove where grip is required
Mechanical	Abrasion EN Level 1 Cut EN Level 3 Tear EN Level 1 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Suitable for minimal application
Precautions	Do not use when risk of cut or puncture are present. Do not use for chemical handling.
Standard	EN 388:2003
Size	One size



1311

Product	HAC1 A-PD2
Description	Knitwrist Polka dot Cotton Work Glove
Physical Prop.	Cotton glove with impregnated rubber studs for added grip
Uses	General handling glove where grip is required
Mechanical	Abrasion EN Level 1 Cut EN Level 3 Tear EN Level 1 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Suitable for minimal application
Size	One size
Precautions	Do not use when risk of cut or puncture are present. Do not use for chemical handling.
Standard	EN 388:2003



Product	HAC1 CG3
Description	Natural Interlock Reversible Glove 25cm
Physical Prop.	Heavy weight cotton knitted glove
Uses	General purpose glove for dry handling
Mechanical	Abrasion Suitable for general application Cut Not suitable Puncture Not suitable
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Suitable for minimal application
Precautions	Not to be used for Chemicals, heat, extreme cold or cut resistant applications
Standard	None
Size	One size

Product	HAC1 PSCGW1
Description	Knitwrist Cotton Work Glove
Physical Prop.	Navy 7g Cotton glove for light handling, 600g per dozen pairs
Uses	Used as a light general handling glove or as an inner used in conjunction with another glove
Mechanical	Abrasion Suitable for minimal application Cut Not suitable Puncture Not suitable
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Size	One size
Precautions	Use only for general handling, or as an inner. Not to be used for Chemicals, heat, cold or cut resistant



Standard None



Standard CE simple design

Product	HAC1 PJK-8
Description	Knitwrist Cotton Drill Glove
Physical Prop.	100% cotton glove with straight thumb 8oz weight
Uses	Used for light abrasion applications, agriculture, construction, material handling
Mechanical	Abrasion Suitable for minimal application Cut Not suitable Puncture Not suitable
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Size	One size
Precautions	Use only for general handling or as an inner. Not to be used for chemicals, heat, cold or cut resistance

Product	HAC1 888PC	
Description	Anti-Static Lint free Glove	
Physical Properties	Seamless, machine knitted glove, 13 gauge, natural colour. Cotton yarn knitted inside and covered with twisted nylon yarn on the outside. Anti-static lint free properties for the motor industry.	
Uses	Used as an Inspections glove by the motor industry	
Mechanical	Abrasion Level 1 Cut Level 1 Tear Level 2 Puncture Level 0	
Chemical	Acids, Bases & Solvents Not suitable	
Heat	Not suitable	
Cold	None	
Standard	EN 388. CE	
	Size	Size 10 - Red polyester overlock thread on cuff Total length 280mm +/- 3%; 54gm/pair +/- 3% Size 8 - Red polyester overlock thread on cuff Total length 280mm +/- 3%; 54gm/pair +/- 3%
	Precautions	Use only for inspection/general handling. Not to be used for Chemicals, heat, cold or puncture resistance.



1120



Seamless and Coated



Standard	None
Size	10

Product	HAS1 CG4239B
Description	Crayfish Glove
Physical Prop.	Polycotton knitted glove with rubber palm coating
Uses	To be used as a general handling glove providing excellent abrasion protection and superior grip
Mechanical	Abrasion Suitable for general application Cut Suitable for minimal application Puncture Suitable for minimal application
Chemical	Acids, Bases & Solvents Not suitable
Heat	Not suitable
Cold	Not suitable
Precautions	Not to be used for chemical applications. Not to be used for heat resistant applications

Product	HAS1 NORTHLEX	
Description	Combination of Durability and Flexibility	
Physical Properties	13 gauge shell with ultralight natural rubber latex coating. High density crinkle coating provides powerful grip and superb flexibility.	
Uses	Excellent general purpose handling glove that provides good abrasion and tear resistance. Can be utilised in the agriculture, recycling, shipping and durable goods industries.	
Mechanical	Abrasion EN Level 3 Cut EN Level 2 Tear EN Level 2 Puncture EN Level 1	
Chemical	Acids, Bases, Solvents Not suitable	
Heat & Cold	Not suitable	
Precautions	Not suitable for chemical handling	
Size	M, L, XL	
	Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazard exists, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
	Standard	EN 388



3221



Standard	Standard pending
Size	7&10
Precautions	Not suitable for chemical handling

Product	HAS1 ARROW CUT 5
Description	Light Weight Cut Level 5 Glove
Physical Properties	10 gauge high cut-resistant HPPE/nylon/glass fibre shell with grey soft textured dipped nitrile (NF2) palm coating & elasticated wrist. Black nitrile thumb line coating for extended life.
Uses	Excellent lightweight cut-resistance glove that also provides abrasion, tear and puncture resistance. Mechanical operations, motor industry and glass and ceramic industry. Good grip in oily and wet conditions.
Mechanical	Abrasion EN Level 4 Cut EN Level 5 Tear EN Level 4 Puncture EN Level 3
Chemical	Acids, Bases, Solvents Not suitable
Heat & Cold	Not suitable
Size	7,8,9,10

Product	HAS1 HN002-L
Description	Nitrile Palm-Coated Glove
Physical Properties	13 gauge, seamless, nylon wrist shell with nitrile coating on palm. Maximum comfort, high level of sensitivity and dexterity especially in wet and oily conditions.
Uses	Handling small parts and components, general assembly, machining, micro-engineering, plumbing, tooling, automotive, painting, horticulture, maintenance and building. Suitable for handling food.
Mechanical	Abrasion Suitable for general application Cut Suitable for minimal application Tear Suitable for minimal application Puncture Not suitable
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Suitable for minimal application



Standard	EN 388:2003, EN 420:2003
Precautions	Not suitable for chemical handling
Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazard exists, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.



Standard	Standard pending
Size	10
Heat & Cold	Suitable for minimal application

Product	HAS1 HPU04-L
Description	PU Palm and Finger Coated Glove
Physical Properties	13 gauge, seamless, nylon knitwrist shell with PU coating on palm and fingers. Maximum comfort, high level of sensitivity and dexterity in dry working conditions.
Uses	Handling small parts and components, general assembly, machining, micro-engineering, plumbing, tooling, automotive, painting, horticulture, maintenance and building. Suitable for handling food.
Mechanical	Abrasion Suitable for general application Cut Suitable for general application Tear Suitable for general application Puncture Not suitable
Chemical	Acids, Bases & Solvents Not suitable
Precautions	Not to be used with chemicals of any sort Not to be used for heat resistant applications

Product	HAS1 APGFR
Description	Medium Weight, Flame Retardant, Cut Level 5, Seamless Glove with Rough, Black Palm Dip APG Bipolymer Coating
Physical Properties	13 gauge knitted seamless shell; glass/aramid/kevlar/spun polyester synthetic yarn; black APG rough bipolymer coating
Uses	Excellent medium weight cut-resistance glove that also provides abrasion, tear and puncture resistance. Mechanical operations, motor industry and glass and ceramic industry.
Mechanical & Flammability	Abrasion EN Level 3 Cut EN Level 5 Tear EN Level 4 Puncture EN Level 3 Flammability EN Level 4 Contact heat EN Level 1 Convective heat EN Level 2 Radiant heat EN Level 2 <small>Small molten metal splashes EN Level 1</small> Large molten metal splashes EN Level 0
Chemical	Acids, Bases, Solvents Not suitable
Heat	Suitable as per above ratings
Precautions	Not suitable for chemical handling



Size	8/9/11
Standard	EN420:2003 + A1:2009; EN 388:2003; EN407:2004 Work Item F18.65 WK14928 (ATPV = 7.7 cal/cm2)
Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazard exists, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.



Product	HAS1 NINJA MAXIM OB
Description	Ninja Maxim Seamless Glove with Palm-Dipped Nitrile
Physical Properties	NFT coating offers best oil, wet and dry grip. Layered construction protects against dermatitis. Great dexterity and flexibility. Anti-slip characteristics. Treated with Actifresh.
Uses	Automotive. Goods handling. Assembly and maintenance. Light fabrication.
Mechanical	Abrasion EN Level 4 Tear EN Level 4 Cut EN Level 1 Puncture EN Level 1
Chemical	Acids, Bases, Solvents Not suitable
Heat & Cold	Not suitable
Precautions	Not suitable for chemical handling
Standard	EN 388:2003

Size	8/9/11
Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazard exists, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.

Description	Ninja Maxim Seamless Glove with Full-Dipped Nitrile
Physical Properties	NFT coating offers best oil, wet and dry grip. Layered construction protects against dermatitis. Great dexterity and flexibility. Anti-slip characteristics. Treated with Actifresh.
Uses	Automotive. Goods handling. Assembly and maintenance. Light fabrication.
Mechanical	Abrasion EN Level 4 Tear EN Level 4 Cut EN Level 1 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Precautions	Not suitable for chemical handling
Standard	EN 388:2003



Size	8/9/11
Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazard exists, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.



Chemical	Acids, Bases, Solvents Not suitable
Cold	Suitable as per EN Cold ratings
Mechanical & Cold	Abrasion EN Level 3 Puncture EN Level 2 Contact Cold EN Level 2 Cut EN Level 2 Convective Cold EN Level 0 Water Impermeability EN Level 0
Precautions	Not suitable for chemical handling
Standard	EN 388:2003 ; EN 511:2006
Size	8/9/11

Product	HAS1 NINJA ICE
Description	Knitted Wrist with PVC - HPT Coating on Outer Nylon Lining Palm, Palm Dip * Knuckle Dip with an Insert of Terry lining
Physical Properties	Cold resistant and exhibits extreme cold flexibility. Tough, flexible, PVC sponge-touch finish coating using hydropellent technology provides outstanding grip in dry, wet & oily conditions. Two-Layer insulated liner provides warmth with uncompromising flexibility. Proprietary HPT (Hydropellent Technology) Coating. HPT process creates spongy, soft, durable, flexible coating that repels liquids to provide a firm wet or dry grip. Encapsulated air molecules provide an inherent vibration absorption feature. Unique coating formulation remains soft and flexible in temperatures as low as -50°C. Also available in knuckle coated. Treated with Actifresh to kill bacteria and promote freshness.
Uses	Cold storage. Commercial fishing. Agriculture. Construction/ utilities and outdoor winter use.
Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazard exists, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.

Product	HAS1 NINJA FORCE
Description	Light Weight Cut Level 5 Glove
Physical Properties	13 gauge dyneema/synthetic fibre/fibreglass shell with grey Polyurethane coating providing up to 20 times better cut resistance than Aramid-based spun yarn.
Uses	Excellent light weight cut-resistance glove that also provides abrasion, tear and puncture resistance. Mechanical operations, motor industry and glass and ceramic industry.
Mechanical	Abrasion EN Level 4 Tear EN Level 4 Cut EN Level 5 Puncture EN Level 2
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Precautions	Not suitable for chemical handling
Standard	EN 388:2003



Size	M/L
Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazard exists, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.



Standard	EN 388:2003
Size	9.5
Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazard exists, should be cleaned before removal. The gloves can be washed with mild detergent then rinsed and dried before use.

Product	HAS1 NINJA LITE
Description	Extreme Tactile Sensitivity
Physical Properties	Ultralight fashion grade nylon shell with feather light Polyurethane coating. Excellent wet, dry & light oil grip. Approx. 30% lighter than traditional nylon/PU gloves, providing unparalleled tactile sensitivity.
Uses	Excellent glove that provides grip and feel in daily handling tasks. Ideal for intricate assembly processes such as optics, microprocessors and printed circuits.
Mechanical	Abrasion EN Level 4 Tear EN Level 2 Cut EN Level 1 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Precautions	Not suitable for chemical handling

Product	HAS1 NINJA X4
Description	Economical Cut Level 4 Glove
Physical Properties	13 gauge, synthetic fibre/fibreglass shell with bi-polymer coating providing unsurpassed softness and durability
Uses	Excellent economical cut-resistance glove that also provides good abrasion and tear resistance. Glass industry, canning, bottle operations and automotive assembly
Mechanical	Abrasion EN Level 4 Cut EN Level 4 Tear EN Level 3 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Precautions	Not suitable for chemical handling
Standard	EN 388:2003



Size	L/XL
Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazard exists, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.



Size	M/L/XL
Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazard exists, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.
Precautions	Not suitable for chemical handling

Product	HAS1 NINJA HPT
Description	Ultimate Wet and Dry Grip
Physical Properties	15 gauge, nylon shell with Hydropellant Technology coating. HPT process creates soft, spongy, durable coating that repels liquids to provide firm wet and dry grip. Encapsulated air molecules provide vibration absorption feature. Treated with Actifresh to kill bacteria and promote freshness.
Uses	Excellent General purpose glove for daily handling tasks. Ideal for the shipping, plumbing, warehousing, materials handling and assembly industries.
Mechanical	Abrasion EN Level 4 Cut EN Level 1 Tear EN Level 3 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Standard	EN 388:2003

Product	HAS1 NINJA FLEX
Description	Ultimate Wet and Dry Grip
Physical Properties	15 gauge, nylon shell with ultralight natural rubber latex coating. High density crinkle coating provides powerful grip and superb flexibility.
Uses	Excellent general purpose glove that provides good abrasion and tear resistance. Can be utilised in the agriculture, recycling, shipping and durable goods industries
Mechanical	Abrasion EN Level 3 Cut EN Level 1 Tear EN Level 3 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Precautions	Not suitable for chemical handling
Standard	EN 388:2003



Size	M/L/XL
Maintenance	Both new and used gloves should be thoroughly inspected before use. Gloves should not be left in contaminated condition and where possible, provided no serious hazard exists, should be cleaned before removal. Gloves can be washed with mild detergent then rinsed and dried before use.



Product	HAS2 N6634
Description	unipur Grey/Black Colour, 22-27 cm Five-Finger Coated Glove
Physical Properties	Ribbing, palm and fingertips with NBR coating. Knitted nylon base glove
Uses	For dry areas and slightly damp/oily working conditions. Precision work, fine assembly work. Oil and grease-resitant
Mechanical	Abrasion EN Level 4 Cut EN Level 1 Tear EN Level 3 Puncture EN Level 3
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Precautions	Not suitable for chemical handling
Standard	EN 388
Size	7,8,9,10

Product	HAS2 60492
Description	Updated Wet C500 Lime/Anthracite Colour, 27 cm Five-Finger Coated Glove
Physical Properties	Ribbing, palm and fingertips HPE (High Performance Elastomer) coated. Bamboo-rayon/Dyneema®/glass/polyamide base glove
Uses	Oil and grease-resistant. Used for particular industries: metal, automobile, transportation, assembly, glass, maintenance, shipping/logistics, brewery/beverage, paper, construction.
Mechanical	Abrasion EN Level 4 Cut EN Level 5 Tear EN Level 4 Puncture EN Level 2
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Standard	EN 388



Product	HAS2 60494
Description	uvex C500 foam, Lime Liner/Grey, 27cm Five-Finger Glove, Knitted Cuff, Palm and Fingertips Coated
Physical Properties	Patented uvex Bamboo TwinFlex® technology. Innovative SoftGrip coating. Very high cut protection (Cut 5). Highest wearing comfort due to uvex climazone®. Outstanding tactile feel. High abrasion-resistance. Excellent flexibility and dexterity. Certified in accordance with Oeko-Tex Standard 100. Silicone-free on the basis of the fingerprint test. Liner: bamboo-rayon/Dyneema®/glass/polyamide. Coating: High Performance Elastomer (HPE), SoftGrip foam
Uses	Metal industry, automotive industry, distribution/transport, assembly, glass industry, maintenance and repair
Mechanical	Abrasion EN Level 4 Cut EN Level 5 Tear EN Level 4 Puncture EN Level 2
Standard	EN 388

Product	HAS2 60598
Description	uvex impact 1, Yellow/Black, 27cm Five-Finger Glove, Knitted Cuff, Palm and Fingertips Coated
Physical Properties	The perfect glove for the oil and gas industry. Designed for rugged use, with velcro cuff, extra-padded palm, back of the hand TPR-protectors to protect bones and knuckles from bumps and knocks. Same applies to the reinforcements on the knuckles joints. High cut resistance and perfect grip properties make the uvex impact 1 the perfect glove for the toughest environments
Uses	Tasks with extreme mechanical stress, mining, drilling, tool pushing, oil and gas industry and heavy construction
Mechanical	Cut EN Level 5
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable

uvex



4543

Size	7,8,9,10
Standard	EN388(4543)

	
	
	
3131	
Size	7,8,9,10
Precautions	Not suitable for chemical handling



3131

Product	HAS2 60050
Description	uvex phynomic foam White/Grey Colour, 21-25 cm Five-Finger Coated Glove
Physical Properties	Knitted cuff, aqua-polymer foam coating on palm and fingertips. Polyamide/elasthane base glove. Excellent dexterity, good dry and wet grip, breathable. Free of harmful substances in accordance with Oekotex Standard 100. Free from all solvents (e.g. DMF, TEA). Free from catalysts
Uses	For dry areas and slightly damp/oily working conditions. Precision work, fine assembly work, general maintenance work.
Mechanical	Abrasion EN Level 3 Cut EN Level 1 Tear EN Level 3 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Standard	EN 388

Product	HAS2 60070
Description	uvex phynomic XG
Physical Properties	The uvex phynomic XG offers the best oil grip in its class. The innovative aqua polymer Xtra Grip foam coating is also particularly flexible and extremely robust. High level of breathability. Aqua-polymer Xtra Grip foam coating on palm and fingertips, knitted cuff.
Uses	General maintenance work. Precision assembly work/assembly work. Precision work for damp/oily working conditions.
Mechanical	Abrasion EN Level 4 Cut EN Level 1 Tear EN Level 3 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Standard	EN 388

uvex



4131

Size	6,7,8,9,10,11
Precautions	Not suitable for chemical handling

	
	
	
4111	
Size	7,8,9,10
Precautions	Not suitable for chemical handling

uvex



4111

Product	HAS2 U7020
Description	uvex uniflex White/Blue Colour, 27 cm five-Finger Coated Glove
Physical Properties	Tough and long-lasting nitrile coating. Palm dip ensures that hand breathes to an extent. Nitrile coated for oil and grease resistant.
Uses	Suitable for these industries: Building, Construction, Railway, Metal, Plastics, Forestry. Suitable for any applications where risk exists of general injury. Allows good grip in wet, oily, greasy conditions.
Mechanical	Abrasion EN Level 4 Cut EN Level 1 Tear EN Level 1 Puncture EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Not suitable
Standard	EN 388

Product	HAS1 DK1L 640/382L
Description	Seamless Kevlar Glove
Physical Properties	Manufactured from 100% DuPont Kevlar 500 yarns, 10 gauge shell with elasticated wrist
Uses	Designed to offer protection for medium cut resistance, low contact heat and high flame retardancy e.g. automotive, paper, glass and ceramic industries
Mechanical	Abrasion EN Level 1 Cut EN Level 3 Tear EN Level 4 Puncture EN Level 1 Flammability EN Level 4 Contact Heat EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat & Cold	Suitable for good flame retardancy and low contact heat applications
Precautions	These gloves are cut resistant and not cut proof. Not to be used for chemicals, liquids or cold applications.

Thermo-resistant



1341



41XXXX

Standard	CE EN388 and EN407
Size	L

	
	
121	
Standard	EN511
Size	10
Precautions	minimal heat applications.



121

Product	HAT1 70/6465NK
Description	North Polar® Gloves
Physical Properties	Blue split cowhide leather glove with insulated lining and long knitwrist sewn into safety cuff
Uses	To be used when handling cold items
Mechanical	Abrasion Suitable for general application Cut Suitable for minimal application Puncture Suitable for general application Convective Cold EN Level 1 Contact Cold EN Level 2 Water Impermeability EN Level 1
Chemical	Acids, Bases & Solvents Not suitable
Heat	Suitable for minimal application
Cold	Suitable for high performance protection up to -38°C

Product	HAT1 NM4029GAL		
Description	Double Insulated Leather Mitt with dual Layer Gentex Material		
Physical Properties	Chrome leather mitt construction with gentex aluminised fibreglass satin outer protection layer. SO38 inner woollen flame retardant fabric with Terry loop pile fabric for breathability. Mitt sewn using Serafil polyester thread		
Uses	Gloves manufactured to protect against extreme heat		
Mechanical	Abrasion Suitable for general application Cut Suitable for general application Puncture Suitable for minimal application		
Chemical	Acids, Bases & Solvents Not suitable		
Heat	Suitable for heavy application (1400°C)		
Cold	Suitable for general application		
Precautions	None	Standard	EN531 (Pass A, B2, C3, D1 & E1). SABS 1423-1:1987
		Size	One size



	
Weight of gloves	Inner glove 214g/m/pair (±870g/m ²) ± 3% Outer glove 214g/m/pair (±930g/m ²) ±3% Cotton glove 214g/m/pair (±1800g/m ²) ±3% Total weight including cuff 260g/pair ± 3%
Precautions	Not to be used for chemical applications. Only to be used in minimal heat applications.
Standard	None
Size	One size

Product	HAT1 NJ1328DBL/NJ1325DBL		
Description	Double Loop Pile Cotton Glove with 20cm Cuff/12.5cm Cuff		
Physical Properties	Gloves are manufactured from a special type of cotton yarn which is knitted into thick, close loop pile fabric which cushions and protects hands. Material 100% cotton yarns and elastic on gloves. 340g/m ² canvas on cuff		
Uses	Cut resistant, abrasion resistant, heat and cold resistant, flexible, non-slip		
Mechanical	Abrasion Suitable for general application Cut Suitable for general application Puncture Suitable for minimal application		
Chemical	Acids, Bases & Solvents Not suitable		
Heat	Suitable for Application (200°C)		
Cold	Suitable for minimal application (0°C)		

Product	HAT1 NJ1328		
Description	20cm Canvas Cuff Medium Weight Loop Pile Normac Glove		
Physical Properties	Gloves are manufactured from a special type of cotton yarn which is knitted into thick, close loop pile fabric which cushions and protects hands. Material 100% cotton yarns and elastic on gloves. 340g/m ² canvas on cuff		
Uses	Cut resistant, abrasion resistant, heat and cold resistant, flexible, non-slip		
Mechanical	Abrasion Suitable for general application Cut Suitable for general application Puncture Suitable for minimal application		
Chemical	Acids, Bases & Solvents Not suitable		
Heat	Suitable for Application (60-100°C)		
Cold	Suitable for minimal application (0°C)		
	Precautions	Not to be used for chemical applications. Only to be used in minimal heat applications.	
	Standard	None	
	Size	One size	



Precautions	Do not use on molten metal, or other types of molten objects. Confirm heat resistance with supplier before use
Size	One size

Product	HAT1 NJ160KK		
Description	Knitwrist Light Weight Loop Pile Normac Glove		
Physical Prop.	Polycotton knitted glove		
Uses	Gloves are manufactured from a special type of cotton yarn which is knitted into thick, close, loop pile fabric which cushions and protects hands		
Mechanical	Abrasion Suitable for minimal application Cut Suitable for minimal application Puncture Suitable for minimal application		
Chemical	Acids, Bases & Solvents Not suitable		
Heat	Suitable for minimal application (60-100°C)		
Cold	Suitable for minimal application (0°C)		
Standard	None		

Product	HAT1 NJ192/40 & NJ192/40RF		
Description	HAT1 NJ192/40: Medium Weight Terry Mitt, Double Loop Pile Layer, Cotton Inner Lining. HAT1 NJ192/40RF: Medium Weight Terry Mitt, Reversible. Cotton and Foam Inner Lining.		
Physical Properties	Gloves are manufactured from a special type of cotton yarn which is knitted into thick, close, loop pile fabric with an inner of foam and cotton lining which cushions and protects the hands		
Uses	Heat and cold resistant, flexible, non-slip		
Mechanical	Abrasion Suitable for minimal application Cut Suitable for minimal application Puncture Suitable for minimal application		
Chemical	Acids, Bases & Solvents Not suitable		
Heat	Suitable for minimal application (60 –100°C)		
Cold	Suitable for minimal application (-10 – +10°C)		



Standard	None
Size	One Size
Precautions	Do no use on molten metal, or other types of molten objects. Confirm heat resistance with supplier before use



Precautions	Not to be used where high risk of cut or puncture exist. To be used in conjunction with inner cut resistant glove.
Standard	None
Size	One size

Product	HAT1 NM4015		
Description	Nomex Fibre Mitt 40cm Long		
Physical Properties	A high heat resistant mitt made from Nomex fibre that is fully lined. Reversible double palm. Withstands ±450°C contact heat for short periods.		
Uses	For handling materials direct from hot ovens. Curling and vulcanising processes. Welding and burning operations. Protection from sparks and metal splash. For use in cold storage and stem operations. Food processing and baking.		
Mechanical	Abrasion Suitable for minimal application Cut Not suitable Puncture Suitable for minimal application		
Chemical	Acids, Bases & Solvents Not suitable		
Heat	Suitable for heavy application		
Cold	Suitable for general application		

Product HAT1 NG4061

Description Nomex Fibre Glove 40cm Long

Physical Properties A high heat resistant glove made from Nomex fibre that is fully lined. Withstands $\pm 450^{\circ}\text{C}$. Contact heat for short periods

Uses For handling materials direct from hot ovens. Curling and vulcanising processes. Welding and burning operations. Protection from sparks and metal splash. For use in cold storage and stem operations. Food processing and baking

Mechanical **Abrasion** Suitable for minimal application
Cut Not suitable
Puncture Suitable for minimal application

Chemical **Acids, Bases & Solvents** Not suitable

Heat Suitable for heavy application

Cold Suitable for general application

Precautions Not to be used where high risk of cut or puncture exist. To be used in conjunction with inner cut resistant glove

Standard None

Size One size

Product HAT1 HH4015/800

Description High Heat Mitts

Physical Properties High heat lined mitt manufactured from glass fabrics, texturised yarn

Uses For intense heat applications

Mechanical **Abrasion** Suitable for general application
Cut Suitable for general application
Puncture Suitable for minimal application

Chemical **Acids, Bases & Solvents** Not suitable

Heat Temperatures up to 1000°C
Standard Fabric (EN388 & EN407)

Size One size

Product HAO2 CHAINMAIL5

Description Five-fingered Chainmail Glove

Physical Properties 316L surgical stainless steel wire, five-finger/wrist length design, sewn on polypropylene adjustable snap, reversible multi-colour strap indicates glove size. Side split for quick donning & doffing, non-corrosive, appropriate for wet conditions.

Uses Meat, fish, poultry processing and general industry use when using knives or cutting tools

Mechanical Tremendous Cut & Puncture Resistance

Standard 21 CFR Compliant

Precautions Gloves should be washed regularly with hot soapy detergent solution at 50°C and disinfected with an approved product. Any glove showing signs of abnormal wear or missing chainmail must be replaced immediately by a glove in good condition.

Colour & Size XXS (Brown), XS (Green), S (White), M (Red), L (Blue), XL (Orange)
