



FIRE AND RESCUE

FOR ABSOLUTE COMMITMENT



FIRE AND RESCUE GLOVES

FOR TOTAL AND ABSOLUTE COMMITMENT

Making and manufacturing gloves has always been a specialized trade.

In former times it was necessary to select the right leather, tan hides, sand them to the correct thickness, stretch pieces and cut to shape. A single mistake by the glove maker meant the entire glove became unusable; in other words, could not be sold anymore. Today, even more so, the commercial demands regarding quality, functionality and durability are even more evident.

It is only possible to meet these increasing demands towards higher standards by thoro-



Fire Fighter

> S. 4



Rescue Gloves

> S. 7



Working Gloves

> S. 10

Size chart for gloves:

Size	XS	S	M	L	XL	XXL	3XL	4XL
Glove size	6	7	8	9	10	11	12	13

FIRE AND RESCUE

SUITABLE GLOVES FOR ANY PURPOSE

Our hands are the most important tools of our body, they combine the power when gripping with the ability to perform precision work and they are the most important contact point towards the work tool. The hands are usually subject to high stress, therefore it would be necessary to protect them and the gloves, in particular, should not unnecessarily restrict the hands.

Therefore, the choice of the correct gloves is quite important.

Please proceed the following steps in order to choose the right gloves.

- 1) Determine the risks of injury (heat, cold, stab wounds or cuts, etc.)
- 2) Choose the suitable gloves (e.g. thermal or mechanic risks).

The legislator classifies the protective gloves into three different classes:

Category I: Small risk.

In this case, the manufacturer only has to prove that the gloves comply with the basic conditions according to the EN 420 and he is responsible for the CE marking.

Category II: Medium risk

Lots of protective gloves fall into this category. The gloves have to be tested by an approved testing institute regarding the basic conditions of the EN 420 and with regards to mechanical risks also according to the EN 388. The indicated test values allow to compare the functionality of different kinds of gloves.

Category III: High risk

These protective gloves have to protect against serious or permanent injuries, this category also includes gloves for fire-fighters. In addition to the standards EN 420 and EN 388 also the heat protection is tested by an approved testing institute according to the EN 407 and EN 659.

Burning behaviour
Contact heat
Convective heat
Radiant heat



Gloves which are used for fire-fighting, need an approval according to the EN 659:2003+A1:2008 and have to be marked with the corresponding pictogram. The standard EN 659 includes all criteria of the EN 388. Thus these gloves can also be used for the technical assistance.

Abrasion
Cut resistance
Tear resistance
Puncture resistance



Gloves which are exclusively used for the technical assistance must have an approval according to the EN 388 and are marked with the corresponding pictogram and the achieved performance level.

Extrication gloves can be used for all fire-fighting tasks when there won't be any thermal impact

	Requirement		Fire Shark	Top Rescue	Rescue II	Safe Cut 5	Safe Cut X-trem	Safe Cut X Warm	Rescue Glove	Safe Cut Allround Pro
Abrasion	3 to 4	EN388	3	3	3	4	4	4	4	2
Cut resistance	2 to 5	EN388	5	3	2	5	5	5	5	5
Tear resistance	3 to 4	EN388	4	3	3	4	4	4	4	4
Puncture resistance	3 to 4	EN388	3	3	3	4	4	4	4	3
Burning behaviour	4 to 4	EN659	4	4	4					
Convective heat	>13s	EN659	37,3s	24s	26,4s					
Radiant heat	>20s	EN659	20s	26,3s	37,1s					
Dry contact heat	>10s	EN659	18,2s	25s	16,35s					
Wet contact heat	>10s	EN659	11s	16s	13,56s					
Shrinking	<5%	EN659	-1,5	-0,3	-0,8					
Sense of touch	1 to 4	EN659	3	5	4					
Seam strength	350N	EN659	564N	430N	564N					
Time for taking off the gloves	<3 s	EN659	1s	1s	1s					
Chemical penetration	No penetration	EN659	tight	tight	tight					
Fits up to 5 washes at 60°C		EN659	fit	fit	fit					



61216 Fire Shark

Application Fire-fighter glove

Colours black

Sizes 7 - 13

Features The Fire Shark CarbonX has been developed for direct firefighting as well as technical rescue work, as stipulated in EN659:2008. The Tophand is made of CarbonX; the palm is fire-resistant cowhide. As a material CarbonX is extremely heat-resistant and even after longer heat exposure the fibre remains intact. Even under wet conditions Fire Shark will still assure highest dexterity and solid grip. Gathered padding in the finger area ensures best cushioning and extra heat protection. Hook and loop for easily attaching the glove to the fireman gear. Silicone knuckle protection on the tophand. 3M reflective strips ensure optimum visibility.



CarbonX is unbeatable in protecting from heat and fire.
CarbonX will not ignite, melt or shrink when exposed to flames, melting metal or electrical arcs.



Knitted cuff provides optimal closure over uniform sleeves



EN659:2008

61226 Fire Shark Cuff

Application Fire-fighter glove

Colours Black

Sizes 7 - 13

Features The Fire Shark CarbonX has been developed for direct firefighting as well as technical rescue work, as stipulated in EN659:2008. The Tophand is made of CarbonX; the palm is fire-resistant cowhide. As a material CarbonX is extremely heat-resistant and even after longer heat exposure the fibre remains intact. Even under wet conditions Fire Shark will still assure highest dexterity and solid grip. Gathered padding in the finger area ensures best cushioning and extra heat protection. Hook and loop for easily attaching the glove to the fireman gear. Silicone knuckle protection on the tophand. The Kevlar-enforced cuff provides optimal closure over uniform sleeves.



FOR ABSOLUTE COMMITMENT



EN659:2008

61207 Top Rescue

Application Fire-fighter glove

Colours navy

Sizes 6 - 13

Features Silicon-layered Kevlar on the top and on the palm hand assures a perfect grip while remaining flexible and permitting highest dexterity. The breathable and waterproof EuroTex insert protects from humidity and chemical penetration - as stipulated in EN 659 (2008). Knuckles and fingers are equally well protected; the wrist is adjustable and the glove can be washed at 60°C.



HOT LINER
Integrated pocket for Hot-liner heating-pad, keeps the hands warm even in cold and wet conditions

more Info on page 9



EN659:2008

61104 Rescue II

Application Fire-fighter glove

Colours black

Sizes 6 - 13

Features The top and palm hand of RESCUE II consists of quality, fire-resistant cow Nappa leather. The width-adjustable cuff made of split leather guarantees optimal wearing comfort. The elastic cuff assures the glove always fits, even when a crushing grip becomes necessary. Washable at 60°C.





4
5
4
4
EN 388

62504 Rescue Glove

Application Extrication

Colours navy

Sizes XS - XXL

Features The RESCUE GLOVE has a re-enforced secure grip palm hand and pre-curved fingers. The top hand is fashioned with active-breathing Nomex III, at the wrist a Velcro closure is employed. Touchfinger to operate touch sensitive displays. The glove is washable up to 30°C. This is a lightweight glove that meets all requirements in dry conditions



2
5
4
3
EN 388

62566 Safe Cut Allround Pro

Application Extrication

Colours neon yellow

Sizes XS - XXL

Features The palm is made of a cut-resistant double-face knitted with glass-fiber and has got with an X-GRIPP-coating for best grip. The tophand is made of robust and breathable spandex. The 3-D knuckle protection on the upper hand provides very good protection with maximum flexibility. Washable up to 30°C. The neoprene cuff with Velcro closure ensures a tight fit on the wrist, and has an additional Clarino pulse protection.





EN 388

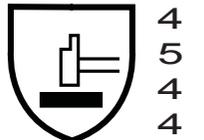
62514 Safe Cut 5

Application Extrication

Colours red

Sizes XS - XXL

Features The top and palm hand meet level 5, the highest cut protection standard. Heat-resistant cow-nappa is used for the palm hand while the top hand is robust and breathable Spandex. Pre-curved fingers as well as a virus and bacteria-resisting membrane are the glove's outstanding aspects. The SAVE CUT 5 glove is water-resistant up to the cuff. The glove is washable up to 30°C. SAFE CUT 5 fully meets the highest requirements of cut protection and finger dexterity.



EN 388

62524 Safe Cut X-Trem

Application Extrication

Colours orange

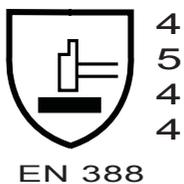
Sizes XS - XXL

Features The top and palm hand meet level 5, the highest cut protection standard. The palm hand is heat-resistant cow-nappa, the top hand robust and breathable Nomex III. Pre-curved fingers, as well as a virus and bacteria-resisting membrane distinguish this glove's special characteristics. The SAVE CUT X-TREM glove is water-resistant up to the cuff. Washable up to 30°C. This glove fully meets the highest requirements of cut protection and finger dexterity. The NOMEX III top hand protects from sparks during flex works.





HOT LINER
Integrated
pocket for Hot-
liner heating-pad,
keeps the hands
warm even in
cold and wet
conditions



62534 Safe Cut X-Warm

Application Work in wet and cold conditions

Colours black

Sizes XS - XXL

Features The top and palm hand meet level 5, the highest cut protection standard. The inner hand is heat-resistant cow-nappa, while robust, breathable Spantex is used for the top hand. Pre-curved fingers, as well as a virus and bacteria resisting membrane distinguish this glove's special characteristics. The SAVE CUT X WARM glove is water-resistant right up to the cuff. The glove's winning features are: a Hotliner insert pocket, pre-curved fingers and warm insulation. Washable up to 30°C. SAFE CUT X WARM fully meets the most rigorous demands when a warm, water-resistant, robust glove is required.

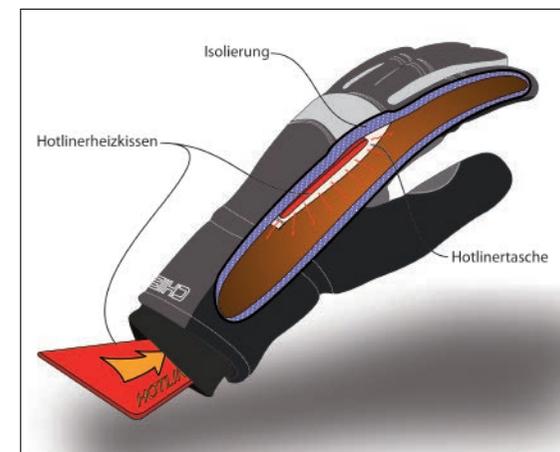


This glove warms your hands

Hotliner-Systems are relatively simple:

The glove lining above the back of the hand comes with a pocket. The hotliner-heat pack is inserted into this opening. This breathable insert consists of a mixture of active carbon, iron and water. The latter elements react in contact with oxygen to produce warmth. Since the heat pack is vacuum-sealed once the plastic packaging is opened warmth production begins. The heat-producing insert emits heat for some 6-8 hours at an average temperature of 50°C to 60°C.

Only thin materials separate the hand from the hotliner-pocket, so that heat is directed inward since the glove's lining prevents heat loss to the outside. This heat-producing system is particularly of interest for people with circulation problems – hence, no more cold hands while shoveling snow.



8880 Hotliner-heat inserts

Function a simple, efficient glove heating-system

Contents 40 pair box (40x2)

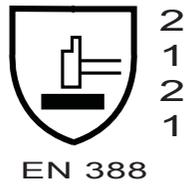


Hotliner heat system

No more cold hands !

Warm hands in extreme conditions.

This patented kangaroo-like pocket provides optimal warmth efficiency for the glove's inside.



62145 Performer Pro

Application Montage- and precision work

Colours black, red

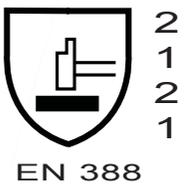
Sizes XS - XXL

Features Re-enforced and secure grip palm hand, pre-curved fingers. The top hand is fashioned with robust, breathable Spantex. Velcro closure at the wrist. Seamless fingertips, welded rubber patch on the palm hand. Washable up to 30°C.



HOT LINER
Integrated pocket for Hot-liner heating-pad, keeps the hands warm even in cold and wet conditions

more Info on page 9



63215 Drystar

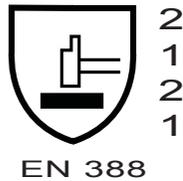
Application Working in a wet and cold environment

Colours black

Sizes XS - XXL

Features A waterproof and breathable membrane protects against the ingress of moisture. Hotliner pocket. Warm isolation. The tophand is fashioned with robust, breathable Spantex. Palm hand fashioned from leather, pre-curved fingers. Washable up to 30°C. DRYSTAR is suited for work where a warm, water-resistant and robust glove is required.





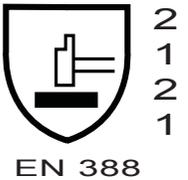
62105 Mechanic

Application Mechanical work, montage, precision work, all-around light daily work

Colours black

Sizes XS - XXL

Features The palm is sewn out of thin, supple Clarino. The top hand is fashioned with robust, breathable Spantex. Velcro cuff closure at the wrist. Washable up to 30° C. MECHANIC is perfectly suited when the highest fingertip dexterity becomes a requirement.



62115 Gel Absorber

Application Working with vibrating machines

Colours black

Sizes XS - XXL

Features The palm hand is fashioned with soft, supple PU leather with pre-curved fingers and silicone gel inserts. The top hand consists of robust and breathable Spantex. Velcro wrist closure. Washable up to 30° C. The glove's silicone gel padding reduces tiredness of the hands and muscular pain caused by excessive vibration.





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