



MoG

Masters of Gloves

**we create
for all who protect us**











**Catalogue
2024 - V1**



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Legend

| | | | |
|---|------------------------|---|--------------------|
|  | On Stock |  | Puncture Resistant |
|  | (Production) On Demand |  | Liquid Repellent |
|  | Heat Resistant |  | Finger Sensitivity |
|  | Cold Protective |  | Touch Function |
|  | Flame Retardant |  | Roping Performance |
|  | Cut Resistant | | |



design development manufacturing of

STATE OF THE ART MULTIFUNCTIONAL TACTICAL GLOVES



WHY CHOOSE MoG?

- 01. Because we care. We listen. We create. For all heroes who protect us.**

The backbone of our product range is based on co-creation in which we map out the specific and critical needs before even the first lines appear on paper.
- 02. Because we create comfort.**

Our main target is to combine sublime fitting with high comfort and maximum protection.
- 03. Because we develop dedicated.**

Focusing on tender and project business, our ultimate aim is to create durable solutions.
- 04. Because we interact long-term.**

We favor long-term partnerships with both end users and involved partners.
- 05. Because we act sustainable.**

Every single step towards an environmental friendly and socially responsible way of doing business is a step in the right direction.



THE DNA OF MASTERS OF GLOVES

Masters of Gloves originated in 2017 from the awareness that for many professional users facing serious threats on a daily basis (physical attacks with cuts and punctures, fires, disasters, accidents, etc.), there were insufficient or inadequate hand protection solutions. With years of experience in the (industrial) PPE sector, we understood perfectly how urgent and vital this issue was.

Even though strong brands offering such products have existed for decades, it is striking that many users are still unaware of their existence or are not satisfied with their user comfort. One striking example is needle puncture protection that ultimately led to the development and distribution of the Guide CPN gloves. In addition, several other protective gloves were launched, including the combat gloves for the NATO. After new

requests kept arising, asking for very specific (tactical) performances, the brand MoG was established with one very clear baseline : we create for all those who protect us.

Our current range is 100% based on very particular questions from the field. Since we develop and produce in co-creation with our end-users, we are dedicated in addressing the real gaps in supply and bringing targeted solutions. MoG is, as you might call it, a Work In Progress, adding gradually new developments for both standard and niche oriented applications. This approach gives sufficient freedom to allow for adjustments during the design process so that the best result can be rigorously pursued.





Tactical gloves



OS OD

Target

Light Duty 8111

A lightweight and exceptionally durable tactical glove that offers enhanced finger sensitivity, allowing you to perform tasks with precision as if you weren't wearing gloves at all. These gloves are the perfect blend of power and dexterity.



APPLICATIONS

- Various military / law enforcement operations
- Forcible entry
- Weapon handling
- Use of communication devices

TARGET GROUP

- Armed / Special Forces
- Law Enforcement
- Security
- Customs

SIZE

6 - 12

KEY FEATURES

- DexSuede technology
- Lightweight appearance and yet durable performance
- Slim fit
- Unique dexterity
- Extremely high finger sensitivity

STANDARDS

- EN 388:2019
- EN 407:2020
- EN ISO 21420:2020



MoG ArmaSuede
Technology

8 TIMES
STRONGER

THAN THE
TACTICAL
STANDARD

ArmaSuede. An unrivalled synthetic suede used in several of our MoG gloves. Engineered to outperform and outlast.



Target

High Abrasion 8109

All-round performance makes these gloves the ultimate choice for those looking for a combination of extreme durability, dexterity and versatility in a single high performance glove.



APPLICATIONS

- Weapon handling
- Allround tactical operations
- Searches
- Patrolling

KEY FEATURES

- ArmaSuede technology that is **8x stronger** than other suedes
- Extremely high abrasion resistance and good grip
- Slim fit
- Unique dexterity
- High finger sensitivity

TARGET GROUP

- Armed / Special Forces
- Law Enforcement
- Special Units Police
- Security
- Customs

STANDARDS

- EN 388:2019
- EN 407:2020
- EN ISO 21420:2020

SIZE

6 - 12





TARGET

High Abrasion 8109

COYOTE BROWN

armed / special forces, law enforcement, special units, police, security, customs

TARGET

High Abrasion Ergoshield 81-10

COYOTE BROWN

armed / special forces, law enforcement, special units, police, security, customs

MoG ErgoShield Technology



ERGONOMICAL PROTECTION

ErgoShield : 3D moulded TPR design. Ergonomical protection with total focus on dexterity and precision. A game changing technology you won't even feel.

Developed by
MoG

OS OD

Target

High Abrasion ErgoShield 8110

All-round performance makes these gloves the ultimate choice for those looking for a combination of extreme durability, dexterity and versatility in a single high performance glove. Combined with ergonomically designed impact protection that you don't feel.



APPLICATIONS

- Weapon handling
- Allround tactical operations
- Searches
- Patrolling

KEY FEATURES

- ErgoShield technology: 3D moulded TPR design without being felt
- Extreme high abrasion resistance and good grip
- Slim fit
- Unique dexterity
- High finger sensitivity

TARGET GROUP

- Armed / Special Forces
- Law Enforcement
- Special Units Police
- Security
- Customs

STANDARDS

- EN 388:2019
- EN 407:2020
- EN ISO 21420:2020

SIZE

6 - 12



OS OD

Target

High Abrasion ErgoShield Trivium 8114

High abrasion glove with innovative ErgoShield protection combines extreme durability with an ergonomic impact design. The semi-fingerless design provides a glove that fits snugly, yet offers the dexterity and precision of bare fingers for optimum control and versatility in a variety of tasks.



APPLICATIONS

- Weapon handling
- Allround tactical operations
- Searches
- Patrolling

KEY FEATURES

- ErgoShield technology: 3D moulded TPR design without being felt
- Extreme high abrasion resistance and good grip
- Slim fit
- Semi-fingerless design for perfect control during weapon handling or when handling smart devices

TARGET GROUP

- Armed
- Special assistance units
- Law enforcement
- Security
- Customs

SIZE

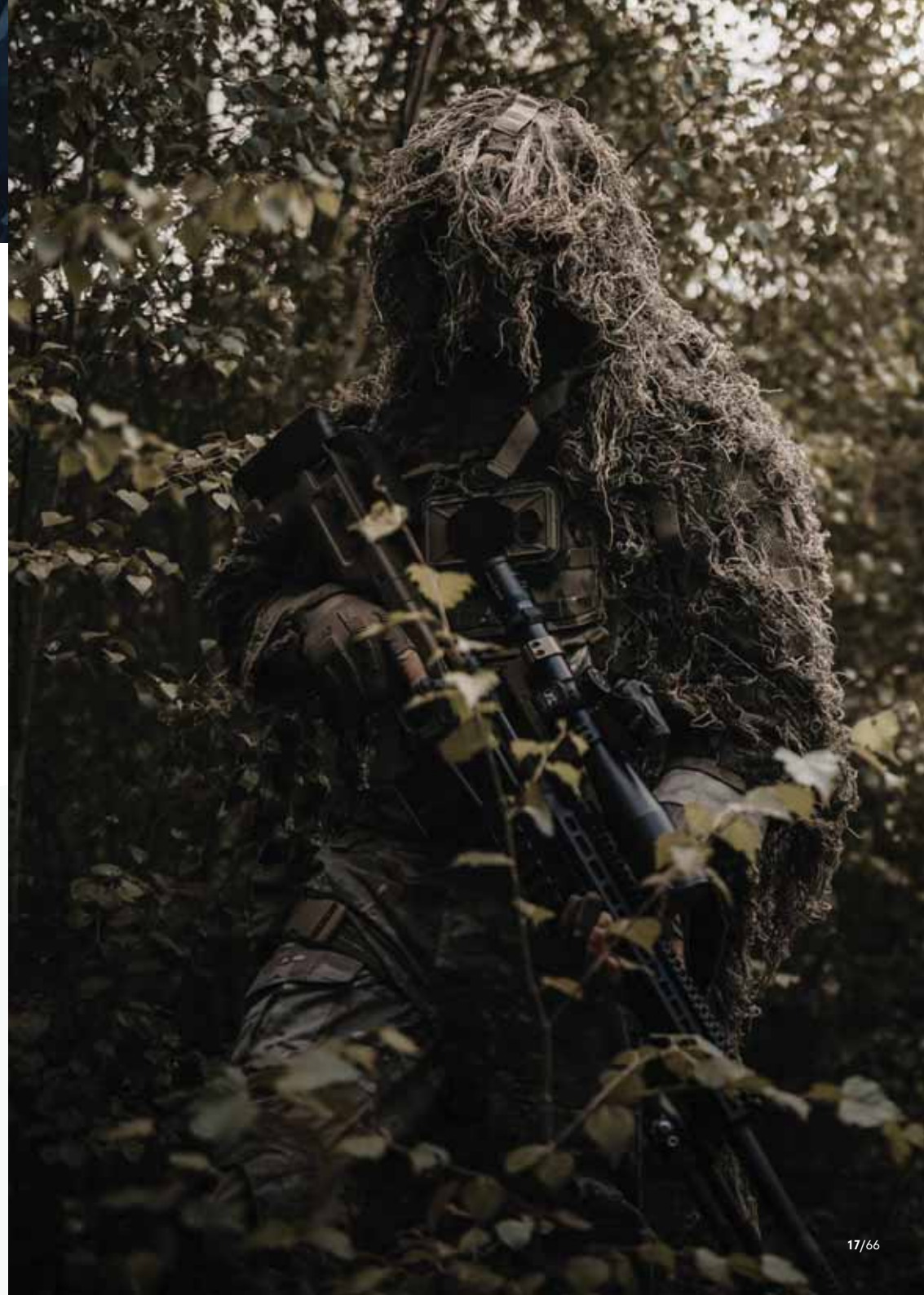
6 - 12

STANDARDS

- EN 388:2016 + A1:2018
- EN 407:2020
- EN ISO 21420:2020



Please note : these gloves are an exception to the protection levels mentioned due to the open fingers (index, middle finger and thumb).





Cut resistant gloves



OS

2ndskin

8108B

Cut resistant tactical glove with very snug fit for maximum dexterity and tactility during several operations.



APPLICATIONS

- Weapon handling
- Patrolling

TARGET GROUP

- Armed / Special Forces
- Special Units Police
- Security
- Customs

SIZE

6 - 13

KEY FEATURES

- Cut resistant Kevlar® lining with maximum dexterity
- Slim fit - leather fits your hand
- High finger sensitive
- Light impact protection
- Conductive leather on thumb and index finger

STANDARDS

- EN 388:2016
- EN 420:2011





Needle resistant gloves



OS

MoG - Guide

CPN 6202

Discrete, black needle protection glove in synthetic leather based on highly approved CPN technology. Gives you the perfect blend between needle & cut protection. Perfect for frisking and shooting.




MoG
Masters of Gloves



APPLICATIONS

- Rescue operations
- Every operation with light risk of needles and glass
- Frisking

KEY FEATURES

- High cut resistance
- Needle resistance
- Light impact on knuckles
- Durable and thin suede for good finger sensitivity

TARGET GROUP

- Law Enforcement
- Security
- Waste management
- Rescue teams
- Fire brigades

STANDARDS

- EN 388:2016
- EN 420:2003
- ASTM F2878-10

SIZE

6 - 13



OS

MoG - Guide

CPN 6203

Discreet, black needle protection glove in soft, durable full-grain goatskin based on highly approved CPN technology gives you the perfect blend between needle & cut protection. Perfect for frisking and shooting.




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Masters of Gloves



APPLICATIONS

- Rescue operations
- Every operation with light risk of needles and glass
- Frisking

KEY FEATURES

- High cut resistance
- Needle resistance
- Light impact resistance on the knuckles
- Soft full-grain goat skin leather

TARGET GROUP

- Law Enforcement
- Security
- Waste management
- Rescue teams
- Fire brigades

STANDARDS

- EN 388:2016
- EN 420:2003
- ASTM F2878-10

SIZE

8 - 12



OS

MoG - Guide

CPN 6204

Discrete, black needle protection glove in synthetic leather based on highly approved CPN technology. On the back of the hand cut resistant & flame retardant fabrics. Gives you the perfect blend between needle & cut protection and dexterity. Perfect for frisking and shooting.




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OS

MoG - Guide

CPN 6225

Needle protection glove with PU-dipped palm based on highly approved CPN technology in palm of hand which gives you an extreme grip on dry surfaces, feels very thin & good breathable.




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APPLICATIONS

- Rescue operations
- Every operation with high risk of needles and glass
- Frisking

KEY FEATURES

- High cut & needle protection
- Light impact
- Cut & flame retardant back of hand
- Silicone print in palm of hand for a good grip in wet & dry conditions

TARGET GROUP

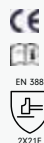
- Law Enforcement
- Security
- Waste management
- Rescue teams
- Fire brigades

STANDARDS

- EN 388:2016
- EN 420:2003
- ASTM F2878-10

SIZE

7 - 12



APPLICATIONS

- Rescue operations
- Every operation with high risk of needles and glass

KEY FEATURES

- PU dipped for high breathability
- High cut and needle protection
- Long slim-fit cuff avoids the intrusion of dirt, glass, etc.
- Extreme grip in dry conditions

TARGET GROUP

- Law Enforcement
- Security
- Waste management
- Rescue teams
- Fire brigades

STANDARDS

- EN 388:2016
- EN 420:2003
- ASTM F2878-10

SIZE

8 - 11



Flame resistant gloves



OD

Patrol

8112

Allround, flame retardant, cut resistant and water repellent glove with light impact protection and touch.



APPLICATIONS

- Standard operations
- Handling weapons
- Breaching / forcible entry
- Use of communication devices
- Frisking

KEY FEATURES

- Flame retardant
- Light impact protection
- Cut resistant
- Conductive leather on thumb, index and middle fingers

TARGET GROUP

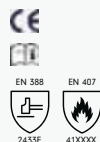
- Armed / Special Forces
- Law Enforcement
- Security
- Customs

STANDARDS

- EN 388:2019
- EN 407:2020
- EN ISO 21420:2020

SIZE

7 - 12



OS

Operator

9244G

A snug, comfortable pilot glove featuring flame-retardant and water-repellent properties.



APPLICATIONS

- All-round use by pilots during training, operations, etc
- Handling weapons
- Use of communication devices

KEY FEATURES

- Flame-resistant Nomex® on back of hand
- Flame-retardant leather on palm of hand
- Slim fit
- Conductive leather on thumb and index finger
- Short cuff

TARGET GROUP

- Armed / Special Forces
- Law Enforcement

STANDARDS

- EN 388:2016
- EN 420:2003
- EN 407:2004

SIZE

6 - 14





Roping gloves



OS OD

Abseil/Rappel

9162

Specialized glove that seamlessly combines three essential elements for rope handling and securing: outstanding dexterity, superior abrasion resistance, and a secure grip.



APPLICATIONS

- (Tactical) rappelling, belaying, ... during training or intervention tasks
- Rescue operations
- Height works (industry / environment)

KEY FEATURES

- Very high abrasion resistance
- Slim-fit finger design to secure control when roping up and for activities such as rigging, climbing structures and ladders, etc.
- Conductive leather on index + thumb
- Nose-wipe on the back of thumb

TARGET GROUP

- Armed Forces
- Law Enforcement / Special Units
- Rescue Operations
- Instructors / Professionals Performing Height Works

STANDARDS

- EN 388:2019
- EN 407:2020
- EN ISO 21420:2020

SIZE

6 - 13



OS OD

Fast Rope

9163

A collaborative development with the Group Rotary Wing of the Royal Dutch Army, prioritizing exceptional dexterity, effective heat management, and abrasion resistance.



OS



OD



APPLICATIONS

- Fast rope training and operations
- Descents up to 90 ft

TARGET GROUP

- Armed / Special Forces
- Special Units Police
- Rescue operations

SIZE

7 - 13

KEY FEATURES

- Very high abrasion resistance
- Special index finger design for handling weapons
- Slim fit - avoids twisted fingers
- Specific heat blocking construction enables multiple descents - can be used up to 90 FT

STANDARDS

- EN 388:2019
- EN 407:2011
- EN ISO 21420:2020



OD

Rope Overglove

9164

Roping glove for abseiling or fast roping. Used as overglove above a tactical glove. Quick solution to operate weapons easily.



APPLICATIONS

- Descender gloves for working at height and abseil training / operations
- Can be used in combination with a thin tactical glove

TARGET GROUP

- Armed / Special Forces
- Law Enforcement
- Special Units Police
- Rescue operations

SIZE

8 - 16

KEY FEATURES

- High Abrasion
- Good protection against heat development
- Easy to attach to a belt
- Fast solution in combination with tactical glove

STANDARDS

- EN 388:2019
- EN 407:2004
- EN ISO 21420:2020





Anti Riot gloves



OS

MoG-Guide

CPN 6505

Heavy and discrete needle-resistant glove in goat grain leather based on the highly estimated CPN technology, with impact protection on knuckles and fingers and good flexibility, offering extremely high protection against cuts, needles and punctures.




MoG

Masters of Gloves



APPLICATIONS

- Anti riot
- Frisking
- Rescue operations
- Every operation with risk of needle & glass

KEY FEATURES

- High impact on fingers and back of hand
- Needle protection
- High cut resistance
- Long cuff that fit your sleeve and avoids intrusion of dirt or glass

TARGET GROUP

- Law Enforcement
- Security
- Penitentiary Institutions
- Waste management
- Rescue teams

STANDARDS

- EN 388:2016
- EN 420:2003
- ASTM F2878-10

SIZE

7 - 12



OD

Bataillo

8120

Anti-riot gloves for use in a law enforcement environment during demonstrations, events, etc. Perfect blend between dexterity and protection.




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APPLICATIONS

- All common law enforcement operations
- Handling baton and shield

KEY FEATURES

- Silicone and kevlar® in palm of hand for extreme grip
- 360° flame retardant and cut resistant
- Impact on fingers and back of hand
- Good dexterity

TARGET GROUP

- Law enforcement (anti riot and crowd control)

STANDARDS

- EN 388:2019
- EN 407:2020
- EN ISO 21420:2020



Cold/water resistant gloves





OS

Target

POLAR 5505

A versatile tactical winter glove designed to enable weapon operation and precise frisking. With a slim, all-around fit and exceptional dexterity, it provides the flexibility you need for various tasks.



APPLICATIONS

- Professional and tactical use in cold weather environments
- For weapon handling
- For operating touchscreen devices

KEY FEATURES

- Windproof and water-repellent durable softshell fabric with fleece liner
- MoG Deksuede technology
- TPR reinforcements
- High finger dexterity
- Touchscreen compatible

TARGET GROUP

- Armed Forces
- Special Forces
- Police forces
- Customs, Security, etc.
- Outdoor

STANDARDS

- EN 388:2016 + A1:2018
- EN 407:2020

SIZE

6 - 12

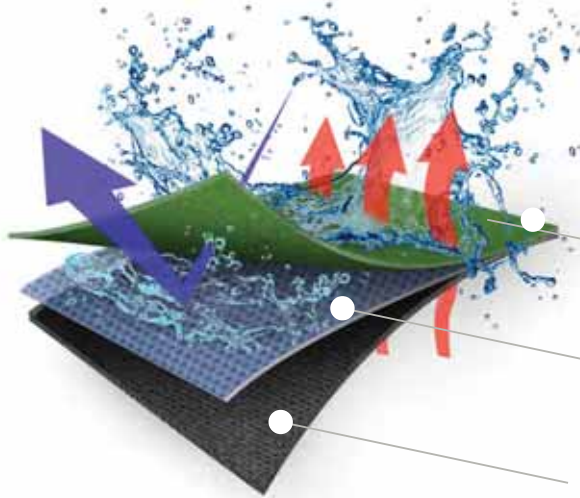


3-LAYER LAMINATION TECHNOLOGY

How does it work?

With several traditional waterproof technologies the membranes are acting as a waterproof bag, to prevent water from entering into the glove. However, when water remains between the surface layer and the membrane, the gloves get soaked after limited time. This causes an uncomfortable feel, the gloves start weighing heavier and you don't have the finger sensitivity you need, your hands cool down very quickly and you pull the liner out of the glove very easily causing twisted fingers.

With the **3-layer lamination** technology used in our MoG Shelter gloves, the three existing layers (nylon, membrane and wool) are bonded into one solid layer. The seamless build-up ensures that rain, snow and wind are blocked at the surface, and the hands are kept dry and warm. The bonding technique gives these gloves a very thin and flexible fit, providing a unique finger sensitivity, and avoids that all layers come loose. Ultimately, you won't need to take off your gloves and you keep performing your activities comfortably with dry hands, without being hindered by rain or wind.



1. Highly durable knitted nylon outer layer

2. Waterproof PU membrane, ultra-thin and breathable

3. Merino wool inner layer with moisture-wicking and anti-bacterial effect



OS

Shelter

4301

This seamless glove offers 100% waterproof and windproof protection. Its stretchy design allows for maximum dexterity while protecting against a wide range of weather conditions.



APPLICATIONS

- Professional, tactical and leisure use in a wide range of situations
- Provides protection against wind, rain and cold
- Precision work, outdoors, etc

KEY FEATURES

- 100% waterproof
- Ultra slim fit
- High finger sensitivity
- Great grip on wet/dry surface
- MoG 3-layer technology
- Touch function (new version)

TARGET GROUP

- Armed / Special Forces
- Police, customs and security
- Civilian services, firefighters, etc
- Logistics and warehousing
- Outdoor (cycling, hiking,...)

STANDARDS

- EN 388:2019
- EN ISO 21420

SIZE

S (7/8), M (8/9), L (9/10), XL (10/11)



OS

DuoFlex

4202

100% windproof and water repellent glove with foldable flap offering protection against the vast majority of cold and rainy weather conditions.



OD

Nordic Black

5502B

Cold protective, windproof, cut resistant and water repellent gloves for professional use and precision work with foldable index and thumb.



APPLICATIONS

- Daily use in cold/wet weather conditions
- In situations where, if necessary, high finger sensitivity is still required

KEY FEATURES

- Foldable flap
- Free fingers for manipulating
- Wind and water resistance
- Heatblocker: heat stays in the glove

TARGET GROUP

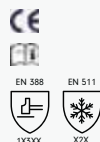
- Armed / Special Forces
- Postal services and logistics
- Standard operations by law enforcement, security, etc

STANDARDS

- EN 388:2019
- EN 420:2011
- EN 511:2006

SIZE

7 - 14



APPLICATIONS

- Professional and tactical use in cold and wet weather
- Precision work
- Outdoor activities

KEY FEATURES

- Cut resistant
- Windproof
- Zipper pocket
- Foldable index & thumb

TARGET GROUP

- Armed / Special Forces
- Law Enforcement
- Civil services
- Logistics & warehousing
- Leisure (hunting, hiking, ...)

STANDARDS

- EN 388:2019
- EN 511:2006

SIZE

7 - 14



OD

Patrol Winter

8113

Allround, flame retardant, cut resistant and water repellent winter glove with light impact protection and touch function.



APPLICATIONS

- Standard operations in cold weather environments
- Handling weapons and frisking
- Breaching / forcible entry
- Use of communication devices

KEY FEATURES

- Flame retardant leather
- Cut resistant lining
- Touch function
- Light impact protection
- Winter lining
- Insulation layer on the back of hand

TARGET GROUP

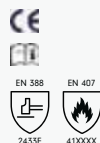
- Armed / Special Forces
- Security
- Customs

STANDARDS

- EN 388:2019
- EN 407:2020
- EN ISO 21420:2020

SIZE

7 - 12



OD

Genie

9701

Water- and windproof glove with extended cuff offering protection against cold weather during (combat) engineering operations.



APPLICATIONS

- All-round use in cold and wet weather and even under water, such as the construction and maintenance of (military) infrastructure

KEY FEATURES

- High abrasion resistance
- Extended cuff with waterproof membrane
- isolation layer for cold protection

TARGET GROUP

- Combat engineering
- Civil services

STANDARDS

- EN 388:2019
- EN 420:2011

SIZE

7 - 14





Rescue gloves



OS

RESQ

7901

Very robust and strong rescue glove with extreme protection levels, designed for firefighters and rescue teams, suitable for heavier rescue operations at accidents, (natural) disasters, etc.



APPLICATIONS

- Rescue operations
- Extrication practices
- For industrial and mining applications

TARGET GROUP

- Rescue teams
- Emergency forces
- Firefighters
- Industry

SIZE

7 - 12

KEY FEATURES

- Extremely high cut protection: up to 65N
- Hi-Vis + reflective fingertips
- 3D moulded ergonomic design
- Turtle neck cuff avoids intrusion of dust or glass
- Pulltab with hole to fix the gloves to a carabiner
- Great grip on wet and dry surfaces

STANDARDS

- EN 388:2019
- EN ISO 21420:2020



OS

MoG - Guide

CPN 6401

Hi-Vis needle-resistant glove in synthetic fabrics based on the highly estimated CPN technology, offering extremely high protection against cuts, needles and punctures.



APPLICATIONS

- Rescue operations
- Every operation with high risk of needles and glass

KEY FEATURES

- Extremely high cut resistance
- Needle protection
- Hi-vis back of hand
- Light impact protection on knuckles

TARGET GROUP

- Law Enforcement
- Security
- Fire brigades
- Waste management
- Rescue teams

STANDARDS

- EN 388:2016
- EN 420:2003
- ASTM F2878-10

SIZE

8 - 12



OS

MoG - Guide

CPN 6502

Heavy needle-resistant glove in synthetic fabrics based on the highly estimated CPN technology, offering extremely high protection against cuts, needles and punctures.



APPLICATIONS

- Rescue operations
- Breaching
- Every operation with high risk of needles and glass

KEY FEATURES

- Extremely high cut resistance
- Impact protection on the back of the fingers
- Long slim-fit cuff avoids the intrusion of dirt, glass, etc.

TARGET GROUP

- Law Enforcement
- Security
- Fire brigades
- Waste management
- Rescue teams

STANDARDS

- EN 388:2016
- EN 420:2003
- ASTM F2878-10

SIZE

8 - 12





Accessories



OS

MoG - Guide

370

Cut protection sleeve, designed to protect the upper arm and forearms from cuts. Equipped with a soft and ergonomically designed hand-attachment part that makes the sleeve stay firmly in place





APPLICATIONS

- Secure protection in any situation where there is a possible danger of getting injured by cuts
- Breaching
- Rescue operations

KEY FEATURES

- Knitted in 13gg Para-aramid
- Cut protection level C
- Contact heat level 1
- Ergonomically designed hand-attachment part
- Food approved

TARGET GROUP

- Law enforcement, special forces, armed forces, Railway police,...
- Security, Prison guards
- Rescue and Civil services
- Public services / wast management

STANDARDS

- EN 420:2003
- EN 388:2016 + A1:2018
- EN 407:2020

SIZE

M - L - XL



OS

MoG - Guide

6621

Cut protection sleeve, designed to protect the upper arm and forearms from cuts. Equipped with a soft and ergonomically designed hand-attachment part that makes the sleeve stay firmly in place.





APPLICATIONS

- Secure protection in any situation where there is a possible danger of getting injured by cuts
- Breaching
- Rescue operations

KEY FEATURES

- Knitted in 13gg HXFIBR™
- Cut protection level F
- HXFIBR™ filament
- Ergonomically designed handattachment part
- ESD, antistatic and food approved

TARGET GROUP

- Law enforcement, special forces, armed forces, Railway police,...
- Security, Prison guards
- Rescue and Civil services
- Public services / wast management

STANDARDS

- EN 388:2016 + A1:2018
- EN 16350 : R:0,3x10³-1,6x10⁵Ω
- IEC 61340-5-1 : R:1,9x10⁵-2,1x10⁵

SIZE

M - L - XL





OS

Glove Holder

2110

An essential accessory for keeping your gloves secure in any situation. Designed for optimum compatibility with both webbing/MOLLE and belt attachments, this pouch is the epitome of lightweight durability.

 **MoG**
Masters of Gloves



APPLICATIONS

- Secure storage system for gloves, ropes, keys,...

TARGET GROUP

- Armed / Special Forces
- Law Enforcement
- Special Units Police
- Security
- Customs,...

SIZE

One size

KEY FEATURES

- Strong hook and loop fasteners that are less likely to retain dirt and sand
- Universal system for molle or belt. Perfect for plate carriers, backpacks & all belt systems
- Strong & durable steel hook carabiners. Multiple system for gloves, keys,...

In development





Products in development

There are some exciting new products coming up. Below you will find a sneak peek with gloves that are currently in development.

MoG
Masters of Gloves

MoG X MULTICAM.

COMING SOON

Target Light Duty (Multicam)

Expected In 2024

MoG X MULTICAM.

COMING SOON

Target High Abrasion (Multicam)

Expected In 2024

MoG X MULTICAM.

COMING SOON

Target High Abrasion Ergoshield (Multicam)

Expected In 2024



Target Combat (black)

Expected In 2024



Target Combat (Coyote Brown)

Expected In 2024



Commando Leather (Black)

Expected In 2024



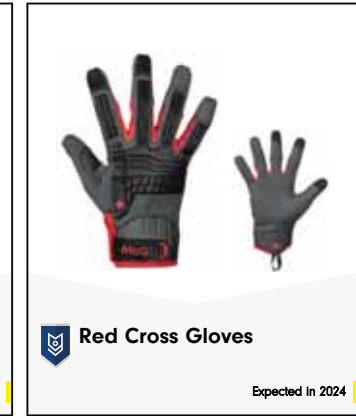
Fast Rope Tactical (Black)

Expected In 2024



Fast Rope Tactical (Coyote Brown)

Expected In 2024



Red Cross Gloves

Expected In 2024



Target Swift (black)

Expected In 2024



Target Swift (Coyote Brown)

Expected In 2024



Target Swift (Wolf Grey)

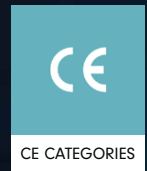
Expected In 2024

STANDARDS

Masters of Gloves works in an innovative way and, where possible, we use materials or technologies that make a real difference with traditional products. Or we incorporate elements from other sectors such as sports or industry, to obtain higher comfort or protection levels. With due attention to indispensable values such as ecology and sustainable enterprise.

And finally, all of our gloves are tested and certified according to the European EN standards for PPE (2016/425 regulation), including standards such as EN ISO 21420, EN 388, EN 407, EN 511 or EN 659 to name a few.

STANDARDS



CATEGORY 1

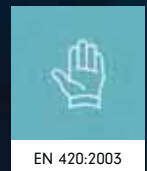
Gloves in this category are intended to protect the user from minimal injuries that might occur during for example washing, dishwashing but also from hot objects where temperatures are below +50C. Also suitable for less heavy gardening and other work where risk for lighter injuries.

CATEGORY 2

This category of gloves are intended to protect the user from injuries that are not classified like minimal nor very high. The gloves must be marked with a pictogram showing the gloves protection properties and are tested according to the standard EN388, mechanical protection, at an accredited test institute. All category 2 gloves are validated and type certified by a Notified Body to show the validity of protection.

CATEGORY 3

Gloves in this category protects against risks that may cause very serious consequences such as death or irreversible damage to health. The gloves must be marked with pictograms showing the gloves protection properties and must be tested at an accredited test institute. They must also be validated and certified, for both type and production control, by a Notified Body to show the validity of protection. Chemical protection gloves are all category 3 but also heat protection can be classified to this category.



PROTECTIVE GLOVES – GENERAL REQUIREMENTS AND TEST METHODS

This standard defines the general requirements valid for all protective gloves and sets requirements for glove marking. The glove itself shall not be a risk to wear or cause injuries to the user. The glove material shall have a pH value between 3,5 and 9,5. The Chrome VI level in the glove leather must stay at 2,9 mg/kg or below. If the glove contains any substances known to cause allergic reactions, it shall be stated in the product information. The glove sizes are standardized according to minimum length.

EN 420:2003 has no pictogram.



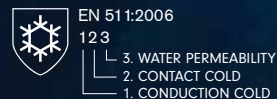
PROTECTIVE GLOVES AGAINST COLD

In cold environments it is extra important to protect the hands from cold burns. This standard measure how well the glove can withstand both convective cold and contact cold. In addition, water permeation is tested after 30 minutes.

The first figure shows how well the glove protects against convective cold (performance level 0-4)

The second figure shows how well the glove protects against contact cold (performance level 0-4)

The third figure shows the glove protection against water penetration (performance 0 or 1 where 0 indicates "water penetration after 30 minutes" and 1 indicates "no water penetration after 30 minutes")



PROTECTIVE GLOVES AGAINST MECHANICAL RISKS

According to this standard, characteristics such as abrasion resistance, cut resistance, tearing strength, puncture resistance and impact protection are tested. In conjunction with the pictogram, four numbers and one, or two letters, will be displayed. These signs indicate the performance of the glove.

1. ABRASION RESISTANCE

The material is subjected to abrasion by a sandpaper under a determined pressure. The protection level is indicated on a scale of 1 to 4 depending on the number of turns required until a hole appears in the material. The higher the number is, the better the resistance to abrasion.

2. CUT RESISTANCE, COUP TEST

The cut protection is tested. A knife is passed over the glove material until it cuts through. The protection level is given by a number between 1 and 5, where 5 indicates the highest cut protection. If the material dulls the knife during this test, the cut test ISO 13997(TDM test) shall be performed instead, see point 5.

3. TEARING STRENGTH

The force required to tear the glove material apart is measured. The protection level is indicated by a number between 1 and 4, where 4 indicates the strongest material.

4. PUNCTURE RESISTANCE

Based on the amount of force required to puncture the material with a tip. The protection function is indicated by a number between 1 and 4, where 4 indicates the strongest material.

5. CUT RESISTANCE, TDM TEST ISO 13997

If the knife gets dull during the coup test, see point 2, this test shall be performed instead. The result is given by a letter, A to F, where F indicates the highest level of protection. If any of these letters is given, this method determines the protection level instead of the coup test.

ISO 13997:1999 - Determination of resistance to cutting by sharp objects

An alternative cut test recommended for cut protection gloves. Shall be used in EN388:2016 for cut protection gloves where the cut material dulls the cutting knife during testing. A knife cuts with constant speed but increasing force until breakthrough of the cut protection material. Level of protection is given in Newton, the force needed for cut through at 20mm cut length.

6. IMPACT PROTECTION

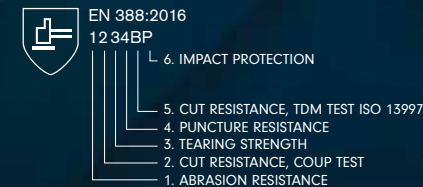
If the glove has an impact protection, this information is given by the letter P as the 6th and last sign. If no P sign, no impact protection is claimed.

EN 388:2003

This is the old version of the standard against mechanical risks. The differences compared to the 2016 version are the paper grid in the abrasion test and how to perform testing of cut resistant fibers. Also not applicable to test impact protection.

There are still many protective gloves on the market labeled according to the old version of this standard. These are as good to use as the new marked gloves.

Important to understand is: it's not the gloves performances that has changed. It is the way of testing the performances that has changed!





EN 407

PROTECTIVE GLOVES AGAINST THERMAL RISKS (HEAT AND/OR FIRE)

This standard specifies demands and test methods for protective gloves that shall protect against heat and/or fire. The numbers given besides the pictogram indicates the gloves performance for each test in the standard. The higher number the better performance level.

1. FIRE PROPERTIES OF THE MATERIAL

The ignition time and how long the material glows or burns after ignition is measured in this test. If the seam comes apart after an ignition time of 15 seconds, the glove has failed the test.

2. CONTACT HEAT

The glove is exposed to temperatures between + 100°C to + 500°C. Then it is measured how long it takes for the inner side of the glove to become 10°C warmer than it was from the beginning (about 25 ° C degrees). The glove must withstand the increasing temperature of maximum 10°C for at least 15 seconds for an approval.

3. CONVECTIVE HEAT

Here it is measured how long it takes to increase the inside temperature of the glove with 24°C, using a gas lubrication (80kW / m2).

4. RADIANT HEAT

The average time is measured for a heat permeation of 2.5kW / m2.

5. SMALL SPLASHES OF MOLTEN METAL

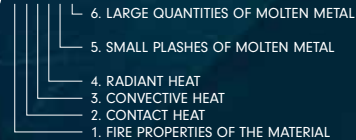
The test is based on the number of drops of molten metal that generates a temperature increase between the glove material and the skin with 40°C.

6. LARGE QUANTITIES OF MOLTEN METAL

A PVC film is attached to the back of the glove material. Molten iron is poured onto the material. The measurement consists of how many grams of molten iron required to damage the PVC film.



EN 407:2004
12 34 56



EN 659:2003 +
A1:2008

PROTECTIVE GLOVES FOR FIREFIGHTERS

A specialist standard for gloves used in firefighting that references test procedures from EN 420, EN 388 and EN 407 plus other specific tests for properties such as resistance to water and chemical penetration.



EN 1149

ELECTROSTATIC PROPERTIES

The EN ISO 1149 standard specifies a test method for materials to be used in the production of protective clothing (or gloves) with electrostatic dissipation for preventing incendiary discharge.

WE LIKE YOUR STORY

Do you share the idea that protecting yourself (and your hands!) is a first major step to protect others as well? Are you involved in protecting citizens in your neighborhood or abroad, during everyday operations or missions? Are you involved in a specific way by supporting, documenting or sharing and caring about protecting lives?

Well then, tell us more about your project/story! We just like stories that show how important it is to have the right gloves.



LET'S KEEP IN TOUCH



Instagram



Masters of Gloves

MoG POWER FOR LONG-TERM PARTNERSHIPS



Effective solutions are created by strong commitments.

We believe in the power of long-term partnerships and are therefore always ready to listen to your needs, stories and motivations. Every new challenge requires new solutions and brings new opportunities. If you are looking for such a solution (e.g. for a tender or for a customised project), then you are welcome to come to us with your story. Or are you interested in our MoG products and want to distribute them and want to be part of the MoG family, please contact us.



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