

RAMPART
WE EQUIP YOUR MISSION

2010 **15 YEARS** 2025



CAPABILITIES OVERVIEW

CANADA'S LEADING SUPPLIER OF
OPERATIONAL EQUIPMENT

WE CAN MEET EVEN THE
CHALLENGING MISSION
BRING US YOURS.

MOST
REQUIREMENTS



RAMPART
WE EQUIP YOUR MISSION

WE EQUIP YOUR MISSION

Rampart is Canada's leading single source provider of **operational equipment**. We offer access to the largest selection of products and brands, world-class subject matter experts, and industry-leading customer service.

SUPPORTING OPERATIONAL REQUIREMENTS SINCE 2010



EQUIPMENT SOLUTIONS

Our experts are committed to serving the end-user with the world's best products. If you're unsure of what you need, our experts work with you to find the right solution.



CUSTOMER SERVICE

Our top priority is to provide the highest level of customer service. Our team is dedicated to providing on time, on budget, on target solutions.



SUBJECT MATTER EXPERTS

We have subject matter experts who can help and assist every step of the way. From initial request, to post-contract delivery, warranty, repair and anything else that might come up.

WHO WE SERVE

- ✓ **Military** *All branches*
- ✓ **Police** *Federal, provincial & municipal*
- ✓ **Corrections**
- ✓ **Wildlife & Conservation**
- ✓ **Public Safety & Security**
- ✓ **Wildland Fire**



CONTACT US TODAY

Online: rampartcorp.com/contact Speak to a specialist: **1-855-729-0446**



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500+
BRANDS

50,000+
PRODUCTS

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GLOCK

BY THE NUMBERS



WE BREAK DOWN THE NUMBERS BEHIND THE #1 MOST TRUSTED FIREARM USED BY LAW ENFORCEMENT AND ARMED GOVERNMENT AGENCIES IN CANADA

THERE ARE

140+

AGENCIES IN CANADA
USING GLOCK PISTOLS.

OVER

50,000+

GLOCK PISTOLS CURRENTLY IN USE BY
CANADIAN AGENCIES.

USED BY APPROX.

85%+

OF ARMED AGENCIES IN
CANADA.

IN THE FIELD SINCE

1993

WITH SOME OF THE FIRST PISTOLS SOLD
STILL IN SERVICE TODAY.

PART COMMONALITY

50%+

BETWEEN POPULAR FULL &
COMPACT 9mm GLOCK PISTOLS,
AND 80%+ COMMONALITY BETWEEN
G45 & G19 GEN5

GLOCK IS THE

#1

PREFERRED PISTOL FOR ARMED
AGENCIES IN CANADA.

**THE NUMBERS
SPEAK FOR
THEMSELVES**

**WHY TRUST YOUR LIFE, AND THE
LIVES OF OTHERS TO ANYTHING
LESS THAN THE #1 PISTOL FOR LAW
ENFORCEMENT?**



PISTOLS



GLOCK
G45 MOS



GLOCK x AIMPOINT
G19 COA



GLOCK
G47 MOS



GLOCK
G43X MOS



GLOCK
G45T MOS



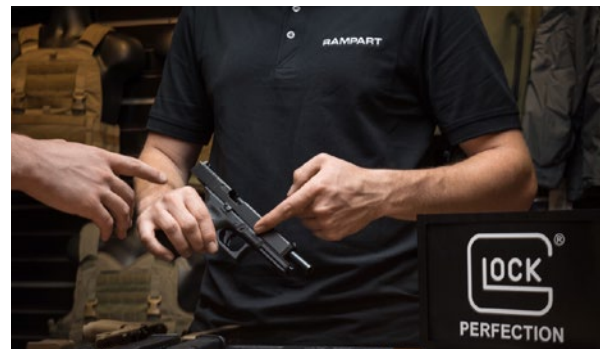
GLOCK
OEM PARTS



UNMATCHED CAPABILITIES, DEDICATED TO YOUR MISSION.

Rampart is proud to be the exclusive distributor of GLOCK pistols to military and law enforcement in Canada. When you acquire GLOCKS through Rampart, you're not just getting a pistol – you're gaining a partner dedicated to your mission success.

- ✓ IN-STOCK & READY TO SHIP INVENTORY
- ✓ SERVICE & WARRANTY
- ✓ OEM PARTS
- ✓ AMMUNITION
- ✓ LIGHTS, OPTICS & ACCESSORIES





FIREARMS

RIFLES



COLT CANADA
MRR - 11.6



COLT CANADA
MRR - 14.5, 5 SLOT



PRECISION



CADEX
CDX-MC Kraken



COLT CANADA
C20



LESS-LETHAL



DEFENSE TECHNOLOGY
40MM SINGLE SHOT



MILKOR USA
LTL



BYRNA
MISSION 4 | .68 CAL



DE-ESCALATING ON THE FRONT LINE WITH 40MM PROJECTILE LAUNCHERS

Safety, accuracy, and cost-effectiveness differentiate this new tool

Law Enforcement in Canada and the United States are adopting a highly successful new method for safely de-escalating high risk situations by using impact rounds fired from a 40mm launcher. The launchers are being used as a complement to the standard Conducted Energy Weapons (CEW), also known as TASER™ weapons carried by law enforcement professionals every day around the country. The 40mm launcher and impact rounds (see image below) provide Police users with a dramatically improved ability to safely address threats at longer range. 40mm systems and ammunition are cost effective to acquire and maintain. Additionally, they are not subject to the same situations that can cause CEW weapons to fail.



A 40mm single shot launcher and impact round from Defense Technology. A 40mm launcher is a special-purpose firearm designed to launch 40mm projectiles. 40mm projectiles are low velocity rounds available in a variety of payloads.

A major limitation of a CEW is its maximum effective engagement range of 10 meters. 40mm projectiles by contrast have an effective range of 40 meters. By extending this range of less lethal capabilities, Police users no longer need to be in such close proximity to their subject. This not only reduces risk to the Police user, it also reduces the potential for a physical altercation where use of deadly force becomes necessary. Police users can establish a safe distance, work to develop lines of communication and increase the chance of a peaceful resolution.

The launcher's force is the equivalent of getting struck by a baseball traveling about 65 kmph, or the speed of a ball thrown by a little leaguer, meaning that, if it must be used, the most likely injury a person could sustain from the launcher is bruising, swelling and physical discomfort.


"The more we can get these less-lethal rounds in the hands of our officers, the less likely that bad scenarios will continue to deteriorate to the point where the only option left is lethal force," quoted Madison Wisconsin Police Chief Mike Koval in an interview with local paper, the Wisconsin State Journal.

DE-ESCALATING ON THE FRONT LINE WITH 40MM PROJECTILE LAUNCHERS

In many cases, 40mm launchers are replacing 12 Gauge Shotguns that fire bean bag munitions. 12 gauge rounds are less accurate and distribute their energy over a smaller area, increasing the chance of injuring the subject. An additional benefit of the 40mm launcher is that it can be outfitted with accessories, like a red dot optical sight to further improve accuracy.


Another important consideration is cost. The 40mm launcher is far less expensive to operate and train with than a CEW. The service life of a well maintained 40mm launcher could easily exceed 10+ years, this offers a great deal of value and cost savings to any agency. Additionally, 40mm ammunition is readily available from multiple suppliers, cost effective and is purely mechanical with no expensive batteries or cartridges to replace.

The challenges facing frontline professionals have never been more profound. Progressive tools like the 40 mm launcher add a safe, efficient, and cost-effective option for Canadian Police users.



40MM SINGLE SHOT LAUNCHER

The 40LMTS is a tactical single shot launcher that features an expandable ROGERS Super Stoc and an adjustable Integrated Front Grip (IFG) with light rail. The ambidextrous Lateral Sling Mount (LSM) and QD mounting systems allow both a single and two point sling attachment. The 40LMTS will fire standard 40mm less lethal ammunition, up to 4.8 inches in cartridge length. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.



CONTACT US TODAY FOR QUOTES & PRICING

FIREARM ACCESSORIES



WEAPON LIGHTS & LASERS



BE MEYERS
MAWL-DA



STREAMLIGHT
TLR 7-X



STREAMLIGHT
TLR RM 2



HOLSTERS & CASES



SAFARILAND
7360 RDS



SAFARILAND
BALLAST



NANUK
909 GLOCK



NANUK
985 AR





FIREARM ACCESSORIES

OPTICS & ACCESSORIES



AIMPOINT
ACRO P2



AIMPOINT
DUTY RDS



UNITY TACTICAL
FAST MRDS



TRIJICON
VCOG 1-8



IRON SIGHTS, RAILS & GRIPS



TROY
FOLDING IRON SIGHT



KNIGHTS ARMAMENT
45 DEGREE IRON SIGHTS



AMERIGLO
AGENT



AMERIGLO
GL-331



MINIATURE RED DOT SIGHTS FOR GENERAL DUTY POLICING

The benefits that police are seeing by adapting this modern technology

Miniature Red Dot sights (MRDS) on pistols are quickly being adapted by forward-thinking law enforcement agencies who are discovering the range of benefits offered by adding an optic to a duty pistol. As more data is published, mounting evidence clearly shows that MRDS enhance the safety and accuracy of law enforcement pistols, improve situational awareness and are more effective when used in high stress situations.



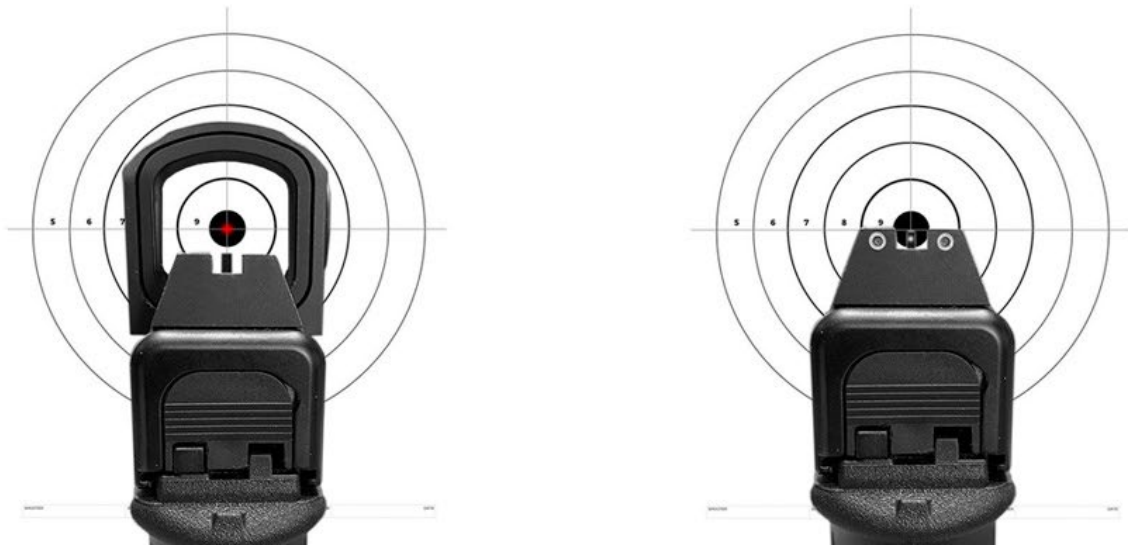
The AIMPOINT ACRO-P2 (pictured above) is a popular example of Miniature Red Dot Sights (MRDS) being adopted by modern law enforcement.

MRDS have been used by special operations forces, tactical teams, and in competitive shooting sports for years. Now with further advancements in durability, battery life, duty holster compatibility and OEM duty pistol compatibility (GLOCK MOS), MRDS have quickly become a viable option for general duty use. As more agencies begin to adopt MRDS optics, the true benefits to usability and police user safety are becoming very apparent.

“In addition to accuracy advantages, MRDS are able to better compensate for physiological responses during high stress situations.”

When the human body is subject to stress, the Sympathetic Nervous System (SNS) initiates a variety of responses that prime the body to defend itself or escape danger. One of the first activations by SNS is to the eyes: our field of vision is increased to its maximum, pupils are dilated to intake more visual information, and the Ciliary muscles (the ring of muscles that surround the lens of the eye) contract, which thickens the lens for better distant focus.

This reaction has served a critical role in mankind's survival throughout history, but when operating a firearm, it can make it extremely difficult to find your sights and acquire sight picture under extreme stress or spontaneous threat¹. When using an MRDS, your eyes are able to remain in a more natural and open state, which allows for less reliance on 'fine' focus, ultimately better compensating for these involuntary physiological changes. The wider and clearer target picture allows for a much easier sight to acquire under stress.



A comparison between an MRDS sight picture and traditional irons.

Predictably, the human brain also has its own reaction to a stress response triggered by our SNS. Under extreme stress our brain modifies the way it takes in information. Specifically, it prioritizes the volume of information taken in over the accuracy of the information taken in². Under high stress, our brains cannot process as much detail in the visual data it takes in, which can cause the mind to make presumptive leaps, or 'fill in the blanks'³. This is especially true in low-light scenarios⁴. The human brain can incorrectly complete a pattern or misinterpret an object, like mistaking a floor lamp for a person, or a cellphone for a pistol. This can present an extremely dangerous scenario where police users can make a 'mistake-of-fact-shooting', where the police user makes an honest mistake where they believed that use of lethal force was justified. MRDS with their wider focal plane and bright powered red dot allows the police user to greatly increase the amount of information they are able to take in about their surroundings while retaining sight picture. This additional situational awareness can mitigate some of the presumptive thinking our brains are prone to under extreme stress. In moments where quick decisions need to be made, having additional visual data available to the police user can help make better, more informed decisions and improve both situational awareness and accuracy under stress.

These are just some of the ways MRDS can help police better protect the public with technology. As more and more agencies adopt MRDS, and as more data is released, the benefits of an MRDS for both public and police user safety are becoming common knowledge. Thier improvements to accuracy, benefits to situational awareness, and better compensation to our physiological responses to stress present a clear advantage over traditional pistol iron sights.



RAMPART offers a complete line of MRDS optics, as well as other pistol attachments and ammunition.

MRDS have already been adopted by many agencies across Canada and the United States to great effect. Similarly, agencies are also converting to MOS Pistols in the event they choose to adopt MRDS in the future.



Aimpoint®

ACRO P2

3.5 MOA - RED DOT REFLEX SIGHT

- 3.5 MOA dot size
- 50,000 hours (over 5 years) of operation on one battery
- 4 night vision compatible settings and 6 daylight settings
- Weight 60 g (2.1 oz) sight only
- Submersible to 35 meters (115 feet)

CONTACT US TODAY FOR QUOTES & PRICING

References: (1) Autonomic Nervous System, Flinders University, Australia Dr. Bill Blessing, Dr. Ian Gibbins (2011), The Integrative Action of the Autonomic Nervous System: Neurobiology of Homeostasis, Dr. W.W. Jänig, Cambridge University (2006) (2) Amodal Completion, Perception and Visual Imagery, Clotilde Calabi, Interpolation and extrapolation in human behavior and neural networks, J Cogn Neurosci. (2004) (3) Heuristics, servants to intuition, in clinical decision making, Jane Cioffi (1997) (4) Officer-Involved Shootings: What We Didn't Know Has Hurt Us, Thomas J. Aveni, M.S. (2003)



FIREARM ACCESSORIES

BI-PODS & PRECISION



CADEX
FALCON BIPOD



CADEX
CDX CARBON TRIPOD



ACCURACY 1ST
SCOPE LEVEL



CROSSTAC
SQUEEZE BAG



MUZZLE DEVICES & SUPPRESSORS



HUXWRX
FLOW 556



HUXWRX
VENTUM 556



DURAMAG
30 ROUND
ALUMINUM



LANCER
L5



MAGPUL
PMAG



FIREARM ACCESSORIES



TRAINING



WARQ
FORCE-ON-FORCE
HELMET



WARQ
FORCE-ON-FORCE
GLOVES



WARQ
FORCE-ON-FORCE
GROIN GUARD



GLOCK
G45T MOS
TRAINING PISTOL



ASP
RED GUN CARBINE



BLUEGUNS
GLOCK REPLICAS



ST ACTION
DUMMY ROUNDS





FIREARM ACCESSORIES

RANGE EQUIPMENT & TARGETRY



SORDIN
SUPREME T2



D-WIPE
LEAD WIPES



OTIS TECHNOLOGY
PATRIOT SERIES
CLEANING KIT



BOSIK TECHNOLOGIES
PORTABLE BULLET TRAP



WARQ PRO NEXT GEN FORCE-ON-FORCE HELMET

ANTI-FOG

- Unique ventilation system expels hot air and body heat exhaust before it fogs up the lens

EXTRA-WIDE FIELD OF VIEW

- 210° lens for unmatched situational awareness

ONE-SIZE FITS ALL

- Adjustable fit to accommodate all team members

EN166A & ASTM F1776 CERTIFIED

- Protects against all major brands of training ammunition

MADE IN EUROPE



NO SUCH THING AS A ROUTINE CALL: SCENARIO BASED TRAINING FOR LAW ENFORCEMENT

One of the primary goals for any modern police force is to provide realistic, effective training that prepares officers for real-world situations. This is critically important not only for officer safety, but also for maintaining public trust.

There are a number of different ways that police forces can achieve this goal. One particularly effective approach is situational role-playing; which is training designed to produce an authentic, safe and dynamic replication of the operational environment. This type of reality-based training is being quickly adopted by law enforcement agencies to help officers hone their skills and develop better judgment when faced with real-world situations.



“Unrealistic training leads to unrealistic expectations and unrealistic expectations are deadly on the street.” – Jeff Chudwin

ACTION & DECISION MAKING UNDER STRESS

Ballistic training rounds and scenario based training can test law enforcement users in stressful and rapidly evolving situations that can span the entire use of force continuum. Stress on the trainee can be increased through the actions of role players and through the perceived potential for pain if shot with a ballistic training round. Ballistic training rounds, while remaining non lethal, are painful to be struck with and can leave welts or break skin. This potential for pain further drives the effectiveness of the training, because a fear of getting hit with a ballistic training round can influence police users to change their tactics and exhibit behaviours they may not otherwise show in a more controlled environment.

When adrenaline is up and users are being brought into these simulated encounters, weaknesses in training are quickly exposed. Skills that are not conditioned to the level of unconscious proficiency are revealed, and in the end this pressure results in a much more effective and applicable training experience.

PROTECTION PROTOCOLS & STANDARDS

Stress induced by role players and the pain penalty of getting hit is part of the training realism, but the participants must be responsibly protected from any serious damage. The head, face and neck are specific areas that require full protection, both from projectiles and from bump impacts. There have been many reports of serious injuries to police users wearing insufficient training equipment, or undisciplined use of gear during force-on-force training. Something as simple as lifting a visor to wipe away fog has in the past resulted in the loss of an eye for one law enforcement user.



MUNITIONS

AMMUNITION



MAGTECH
9MM



MAGTECH
5.56



FEDERAL
147GR DUTY



ICC
300 BLK OUT FRANG



LESS-LETHAL



DEFENSE TECHNOLOGY
40MM OC IMPACT



RHEINMETALL
S&F - 9-BANG



DEFILADE
CEW TESTING
CHAMBER



DEFENSE TECHNOLOGY
OC TRI CHAMBER



RHEINMETALL
S&F - SPECTAC



ASP
40MM IMPACT CS





DUTY GEAR



ASP
TALON INFINITY



ASP
SENTRY CUFFS



ASP
SIDEBREAK SCABBARD



MODEL 77
SAFARILAND



BALLISTIC PROTECTION



GALVION
CAIMAN



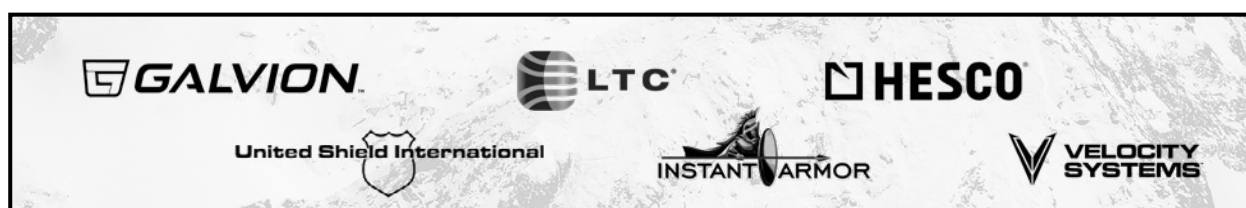
LTC
23620 - LEVEL III+



INSTANT ARMOR
TAC III BLANKET SYSTEM



UNITED SHIELD
LEVEL III+ LIGHTWEIGHT
BALLISTIC SHIELD





OPERATIONAL & DUTY

PUBLIC ORDER



SCHUBERTH
P100N-A



LRAD
100X



4SYS
PROTECTOR MET



ASP
TRI-FOLD
RESTRAINTS



DEFILADE
DDS - PROTECTIVE
BASELAYER



DEFILADE
INTERLOCKING
SHIELDS



DEFILADE
ROUND SHIELD



DEFILADE
PDG



SCORPION
BLUNT TRAUMA GUARDS





DEFILADE
PROTECTION SYSTEMS

DISCREET DEPLOYMENT SYSTEM

LOW PROFILE PROTECTION FOR LAW ENFORCEMENT

The Discreet Deployment System (DDS) is the next generation in personal protective equipment for Law Enforcement. The DDS uses D3O® padding for exceptional blunt impact protection, in a light weight, breathable jersey that can be worn under your uniform.



FEATURES



**LOW
PROFILE**



**FULL FREEDOM
OF MOVEMENT**



**MOISTURE
WICKING**



**REMOVABLE
PADS**



**PROTECTED BY
D3O®**



**FR MODELS
AVAILABLE**

MODERN POLICING. MODERN PROTECTION.

The Discreet Deployment System fits underneath the uniform which results in a low-profile silhouette. This gives users full blunt impact protection while creating a less aggressive presentation in crowd control situations. End Use Applications include:

- ✓ **LAW ENFORCEMENT**
- ✓ **PUBLIC ORDER**
- ✓ **UNDERCOVER**
- ✓ **CORRECTIONS**
- ✓ **CLOSE PROTECTION**
- ✓ **SEARCH & RESCUE**
- ✓ **MOUNTED POLICE**



THE PROTECTION TO SERVE.



DEFILADE DDS is protected by D3O®'s ground-breaking impact technology. D3O® produces the thinnest, most advanced protection against impact and blunt force trauma.





OPERATIONAL & DUTY

LOAD CARRIAGE



MYSTERY RANCH
**ALL IN DEPLOYMENT
BAG**



MYSTERY RANCH
RATS



MYSTERY RANCH
3 DAY ASSAULT



CAMELBAK
BFM



APPAREL & ACCESSORIES



MECHANIX WEAR
ORIGINAL



HESTRA
**ARMY LEATHER
EXPEDITION**



VERTEX
RECON X SHIRT



VERTEX
RECON X PANT





FLAME RESISTANT APPAREL



XGO
FR PHASE 1 SHORT
SLEEVE



XGO
LIGHTWEIGHT ASSAULTER
COMBAT T-SHIRT



ARMADILLO
PANTHER LONG SLEEVE



ARMADILLO
CONDOR SHORT SLEEVE



DRIFIRE
FR-L1 ULTRA



EYEWEAR



REVISION
STINGERHAWK
BALLISTIC FRAMES



REVISION
STINGERHAWK FT-2
LASER PROTECTION



REVISION
STINGERHAWK GF-8
LASER PROTECTION





OPERATIONAL & DUTY

OUTDOOR & SURVIVAL



**MUSTANG SURVIVAL
RATIS**



**MUSTANG SURVIVAL
COMPACT TACTICAL
LIFE PRESERVER**



**MUSTANG SURVIVAL
TACTICAL INFLATABLE
SIDE POUCH**



**MUSTANG SURVIVAL
SENTINEL DRYSUIT**



**MUSTANG SURVIVAL
WATER RESCUE KIT**



**CAMELBAK
THERMOBAK**



**WATERSHED
MILSPEC DRY BAGS**



**WATERSHED
PACK LINER**



**MSR
XGK EX STOVE**



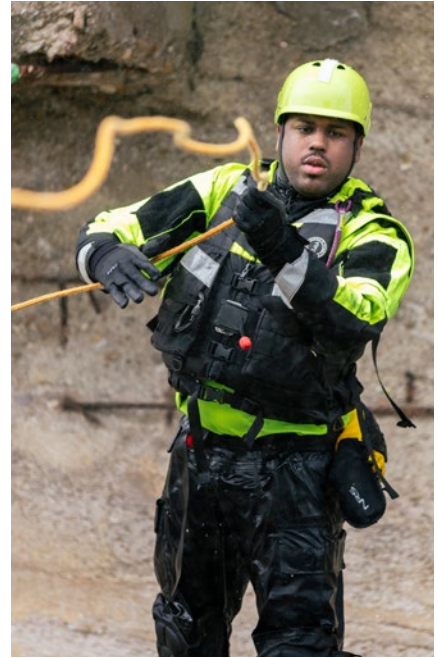
**THERM-A-REST
Z-LITE SLEEPING PAD**



WHEN EVERY SECOND COUNTS: LAW ENFORCEMENT & WATER RESCUE

From coast to coast to coast, Canada is blessed with extensive water resources that have helped the country flourish and given Canadians a wealth of recreational opportunities. Whether it's ocean ports, the large population centres on the Great Lakes and the St Lawrence, the cottage country of the Muskokas and Laurentians, the prairie cities straddling swift-flowing rivers, or suburban areas dotted with ponds and swimming pools, Canada is built on and alongside water.

But where people and water mix, accidents will happen. Every year, several hundred Canadians die from accidental and preventable drowning. In addition, there are hundreds more non-fatal drownings that cause emergency room visits, hospitalizations, disabilities, and other negative and costly health outcomes. Tragically, many of these drownings involve children aged nine years and younger.



For the emergency service workers tasked with responding to drowning incidents and injuries, each second could mean the difference between life and death. They cannot wait for a specialized water-rescue team: first-responding front-line officers need water-rescue equipment readily available so that they can quickly act.

Law Enforcement agencies should equip their officers with dependable water-rescue equipment that's designed with this urgency in mind. The personal flotation devices (PFDs) and water rescue kits from Mustang Survival can give Law Enforcement agencies confidence that their officers can quickly and safely intervene in water-related emergencies—and save lives.

"In drowning situations, every second counts, and a fast-acting police officer with proper water-rescue equipment can make all the difference between life and death."

DROWNINGS IN CANADA

Drowning is the third leading cause of accidental death worldwide, with only unintentional poisoning (such as drug overdose) and motor vehicle accidents causing more accidental deaths. According to the Canadian Drowning Prevention Coalition (1), approximately 460 people fatally drown in Canada each year, with many more suffering non-fatal injuries. In Ontario alone, each year there is an average of 164 deaths, 100 hospitalizations, and 568 emergency department visits from drowning (2).

The majority of fatalities due to drowning occur on natural bodies of water and 10–20% in swimming pools. With Canada's all-too-short summers, it's no surprise that approximately 70% of drownings occur between May and September. In Ontario and Quebec, drownings most frequently occur during aquatics (30%), boating (20%), and unintentional falls into water (15–25%). The most common risk factors for drowning are not wearing a PFD, alcohol consumption, and being alone in the water. Children are particularly at risk of drowning due to a lack of understanding of the dangers of water, inability to swim, smaller lungs, and poor coordination, with the greatest risk factor being absent or distracted supervision.



WHY LAW ENFORCEMENT NEEDS WATER-RESCUE EQUIPMENT

Despite how common these water-related emergencies are, many Law Enforcement agencies lack immediate access to rescue equipment to intervene in time to save the lives of people drowning.

Even among skilled swimmers, in cold water swim failure can occur in as few as 10 minutes (3). Once swim failure occurs, someone drowning will struggle to keep their airway clear of water before submersion and breath-holding begins. Within seconds, the person drowning will then begin aspirating water and become deprived of oxygen. Absent oxygen, unconsciousness occurs followed by cardio-respiratory arrest. This whole process can happen within minutes, with the possibility of irreversible brain damage occurring within 4–6 minutes of submersion. Hospitalizations and permanent disabilities are very common from drowning. In drowning situations, every second counts, and a fast-acting police officer with proper water-rescue equipment can make all the difference in outcome.

Because of these serious consequences, the costs of drowning incidents, both fatal and non-fatal, are enormous. In 2018 alone, drownings cost Canada \$191 million. A small investment in outfitting officers with water-rescue equipment can greatly reduce these costs and the liability of Law Enforcement agencies.

It's crucial that Law Enforcement officers have accessible and reliable equipment, not only to save other people's lives, but to ensure their own safety. It is common for well-meaning rescuers to also face drowning risks from attempting rescues without a PFD and other appropriate water-rescue equipment. With the proper equipment at hand, these risks can be eliminated.

EQUIPMENT RECOMMENDATIONS

The most essential piece of equipment for water rescue is a Personal Flotation Device. PFDs keep officers safe and afloat while they attempt a rescue. Mustang Survival's line of Law Enforcement PFD's, such as the Compact Tactical Life Preserver or the Heavy Duty Law Enforcement HIT Inflatable PFD, feature their award-winning Hydrostatic Inflator Technology (HIT).



PFDs with hydrostatic inflators have several advantages for Law Enforcement. They only activate when submerged under 10 cm (4 in.) of water, preventing accidental inflation due to humidity, rain, or water splashing over the vest. Hydrostatic inflators require actual water pressure to activate. In contrast, other PFDs use bobbin (salt-tab) inflators that can deteriorate over time and prematurely dissolve, especially in humid environments, leading to accidental inflation or a failure to deploy. Hydrostatic inflators also have a longer service life than salt-tab inflators. A salt-tab inflator needs replacing every 1–3 years whereas Mustang's HIT inflators have a much longer 5-year maintenance interval—meaning fewer replacements and less-frequent servicing.



A convenient way to provide officers with everything they need to perform a water rescue is to equip Law Enforcement vehicles with Mustang's Water Rescue Kit (MRK110). This kit features a M.I.T.100 Inflatable PFD, a Rescue Stick™ to stabilize someone who is drowning and provide 35 lb of buoyancy, and a throw bag to safely retrieve the person being rescued. The kit is easily portable and housed in a heavy-duty, drop-tested, impact-resistant, air- and water-tight protective case.

For more than 55 years, Mustang Survival has been a leader in water safety, and Canadian Law Enforcement agencies can trust their products to help officers stop drownings and save lives.

QUICK FACTS

- Roughly 9% of Canada's surface area is covered by water — more than any other country in the world
460 Canadians drown each year — that's more than one drowning every day
- 70% of drownings happen between May and September
- Swim failure can occur in 10 minutes, with irreversible brain damage beginning within 4–6 minutes of submersion
- Mustang's HIT Inflatable PFD inflate only when submerged with 4" of water pressure, reducing the chance of accidental inflation due to splash, humidity or rain
- Mustang's Water Rescue Kit fits in a compact, drop-tested case (15" x 13" x 7") and includes a PFD, Rescue Stick™, and throw bag — essential tools for immediate water rescue

References:

- 1) <https://www.drowningresearch.ca/media/576/cdndrowningpreventionplan-en-9thedition-20220520.pdf>
- 2) <https://www.lifesavingsociety.com/media/407203/ontariononfataldrowningreport2023-20231020.pdf>
- 3) <https://pmc.ncbi.nlm.nih.gov/articles/PMC8928428/>



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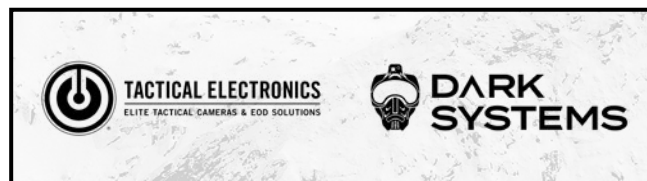
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THE DANGERS OF LEAD EXPOSURE IN LAW ENFORCEMENT

Lead exposure in law enforcement is a dangerous and often overlooked thread to police users. At the shooting range it is standard for police users to wear hearing protection and eye protection, but far too often, insufficient precautions are being taken to mitigate lead exposure. With the frequency of firearm training, officers (and subsequently their families) can be exposed to lead on a consistent basis due to the “take home” nature of lead. Lead can remain on your hands and clothes long after your range session and become a continuous source of exposure if not properly cleaned.



LEAD EXPOSURE REVEALED
AFTER USING D-LEAD TEST KIT

LEAD EXPOSURE AT SHOOTING RANGES

A review of lead exposure at shooting ranges was published in the National Library of Medicine, where they examined 36 studies on lead exposures at shooting ranges [1]. The studies primarily focused on before-after comparisons of shooters, particularly shooters in law enforcement and military. The review concluded that nearly all of the participants in the 36 studies had elevated blood lead levels (BLL) above what is considered safe by the CDC and NIOSH. The average BLL among adults is 0.92 micrograms per decilitre ($\mu\text{g}/\text{dL}$) [2]. Blood lead levels above $5\mu\text{g}/\text{dL}$ is the case definition for an elevated blood level. Full results can be seen on the chart below. As your body processes lead in the bloodstream, your BLL's will naturally go down, but consistent and sustained exposure combined with BLL's above $5\mu\text{g}/\text{dL}$ is where health complications from lead poisoning occurs.

33%

OF PARTICIPANTS SHOWED
BLOOD LEAD LEVELS
BETWEEN 10-20 $\mu\text{g}/\text{DL}$

ASSOCIATED HEALTH RISKS

- Decreased kidney function
- Increased blood pressure
- Increased risk of hypertension
- Increased risk of tremors
- Decreased cognitive function
- Decreased hearing
- Increased incidence of ALS

51%

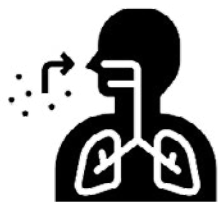
OF PARTICIPANTS SHOWED
BLOOD LEAD LEVELS
ABOVE 20 $\mu\text{g}/\text{DL}$

ASSOCIATED HEALTH RISKS

- Anemia
- Migraines
- Delayed reaction time
- Paroxysmal extreme pain disorder
- Mood disorders
- Difficulty concentrating
- Slow motor nerve conduction

Lead dust lingers in the air and collects on shooters' hands and clothing. There are many factors that can help reduce lead exposure at shooting ranges, including respirators, suppressors, and improved ventilation. However, lead that remains on skin or clothing can be both ingested and inhaled by eating, rubbing your nose, mouth, or eyes without properly cleaning your hands. When it comes to removing lead from your hands and clothing, regular soaps and detergents are not sufficient.

THE MOST COMMON WAYS LEAD CAN GET ABSORBED INTO YOUR BODY:



INHALATION



EATING



TOUCHING FACE



CLOTHING

Why is just washing your hands with regular soap and water not sufficient? Lead is difficult to wash off. Lead is heavy, sticky, difficult to wet and holds a static charge. All these factors make it adhere strongly to your skin, clothes, shoes, and gloves. Lead reacts with most soaps to form a soap scum, where instead of washing off the lead, you end up gluing it to the surface you are trying to clean. Typical skin cleaners only remove between 30-70% of lead from the skin. Long-term understanding of lead exposure and the increase in reported lead poisoning cases amongst law enforcement have led to companies like ESCA Tech to develop their line of lead cleaning products that remove over 98% of lead from the skin/clothes. Rampart can work with your agency to find the best lead mitigation products for your needs.

RECOMMENDED LEAD CLEANING PROTOCOL:

- ✓ Clean hands with lead wipes or soaps after shooting
- ✓ Always clean hands before eating, avoid touching eyes/mouth/nose until you can clean your hands
- ✓ Clean firearms and exposed surfaces with surface wipes or cleaners
- ✓ Wash clothing/uniforms with lead detergent
- ✓ Shower after heavy range session with body wash



D-Wipe Towels are a convenient, portable way to clean lead residue from the hands, arms, face and body.



OPERATIONAL & DUTY

WATER PURIFICATION



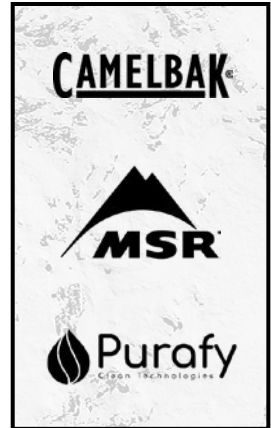
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COMPRESSED GAUZE



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**FIRE BLANKET
PLUS**



EMERGENT BIO SOLUTIONS
NARCAN



EMERGENT BIO SOLUTIONS
NARCAN KIT



