

LESS LETHAL TECHNOLOGIES



WHO WE ARE

ICEMAK export-import Skopje is family-owned company, owned by the family Anchovski, and continues to be managed by the descendants of the founder and current co-owner, Mr. Doncho Anchovski. The Company is managed on a long-term basis to maintain enduring profitable growth.

The company ICEMAK was established in 2004. The construction of the plant started in 2006 and already in 2008, the factory was built and ICEMAK obtained all necessary production licenses from the Government of the then Republic of Macedonia.

At the very beginning, in 2008, the company started with production of weather modification products, i.e. production of pyrotechnics for anti-hail missiles, and already in 2010 the factory was equipped with a plant for production of the irritating non-lethal ammunition. In 2012, the company receives a license from the Government of the Republic of Macedonia for import, export and brokerage with all kinds of Weapons and Military Equipment.

ICEMAK currently operates in three fields. The first and main activity is the production of non-lethal ammunition and other pyrotechnics, designed for the needs of the modern Police units and Armies around the world. ICEMAK activities cover all aspects, from product design to production, including supply, transport and support. ICEMAK's portfolio includes over 40 products which have been researched and developed at its own plant, approved by the Macedonian Army and Police, and have applicability to the peace forces of the United Nations, and various other Armed and Police forces within several regions of the world. ICEMAK has partnered with some of the most respected firms around the world to elevate its expertise and bring to its customers every element of success to one place.

The second field is import, export and brokerage with all kinds of Weapons and Military Equipment. ICEMAK has good cooperation with producers and suppliers in the field of the production of arms and dual use goods from Bulgaria, Ukraine, Russia, Czech Republic, Republic of Slovakia, Serbia, Hungary, Romania, Poland etc.

ICEMAK Ltd is specialized in the following activities:

- 🖲 Import/Export and trade of all types of conventional Weapons, Ammunition, military and dual use equipment.
- 🖲 Supply of Spare parts for military equipment.
- 🖲 Technical Assistance
- 🖻 Logistic Assistance

The third field is production of pyrotechnics for weather modification.

ICEMAK manufactures anti-hail rockets and pyrotechnic cloud seeding flares for hail suppression, rain enhancement and snowpack augmentation.



FACTORY LOCATION

The company / factory has an excellent strategic location and is located only 8km from the capital of the Republic of Northern Macedonia, 6km from the E75 motorway, and only about 18km from the country's main airport.



SPECIFICATIONS

HEIGHT	123±1MM
DIAMETER	38 MM
MASS	175±5 G
CHEMICAL WEIGHT	70±1G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	20 - 25 %
NUMBER OF PROJECTILES	1
Compatibility	ANTI-RIOT GUN 37/38 MM
SHORT RANGE / LONG RANGE	80 - 120 M / MIN 130 M
SMOKE EMISSION TIME	20-30 S
SHELF LIFE	5 YEARS

The **IM38CCS-1P** is pyrotechnic product intended for temporally incapacitating of unprotected crowd both open and enclosed space. Fired to a target these rounds rapidly produce contaminated atmosphere infecting temporary incapacitation of rioters. It provokes hard irritation, teasing of eyes and mucous membrane, uneasiness to see with eyes and choking without inflicting permanent injury.





IM38CCS-3PEP 38mm CS CARTRIDGE

IM38CCS-3P 38mm CS CARTRIDGE

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SPECIFICATIONS

HEIGHT	123 ± 1 MM
DIAMETER	38 MM
MASS	195±5 G
CHEMICAL WEIGHT	100±1 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
NUMBER OF PROJECTILES	3
Compatibility	DRONE OR VEHICLE LAUNCHER
PRIMER	ELECTRIC
RANGE	MIN 30-70 M
SMOKE EMISSION TIME	20-305
SHELF LIFE	5 YEARS

IM38 CCS-3PEP

The **IM38CCS-3PEP** contains three projectiles that release CS smoke. The projectiles are launched minimum 75 meters, and release smoke for around 20 seconds each. They can be launched electrically from launchers mounted on Drones or on Vehicle.

HEIGHT	123±1 MM
DIAMETER	38 MM
MASS	195±5 G
CHEMICAL WEIGHT	100±1 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25 %
NUMBER OF PROJECTILES	3
Compatibility	ANTI-RIOT GUN 37/38 MM
RANGE	MIN 75 M
SMOKE EMISSION TIME	20-30 S
SHELF LIFE	5 YEARS

IM38 CCS-3P

The **IM38CCS-3P** contains three projectiles that release CS smoke. The projectiles are launched minimum 75 meters, and release smoke for around 20 seconds each. They can be launched from all types of 38 mm riot/gas guns.

SPECIFICATIONS

HEIGHT	123±1MM
DIAMETER	38 MM
MASS	214±5G
CHEMICAL WEIGHT	100±2 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	20-25%
NUMBER OF PROJECTILES	5
Compatibility	ANTI-RIOT GUN 37/38 MM
RANGE	MIN 65 M
SMOKE EMISSION TIME	20-30 S
SHELF LIFE	5 YEARS

IM38 CCS-5P

The **IM38CCS-5P** contains five projectiles that release CS smoke. The projectiles are launched minimum 60 meters, and release smoke for around 20 seconds each. They can be launched from all types of 38 mm riot/gas guns.

HEIGHT	123±1MM
DIAMETER	38 MM
MASS	208±5G
CHEMICAL WEIGHT	100 ± 2 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
NUMBER OF PROJECTILES	4
Compatibility	ANTI-RIOT GUN 37/38 MM
RANGE	MIN 65 M
SMOKE EMISSION TIME	20-30 S
SHELF LIFE	5 YEARS

IM38 CCS-4P

The **IM38CCS-4P** contains four projectiles that release CS smoke. The projectiles are launched minimum 65 meters, and release smoke for around 20 seconds each. They can be launched from all types of 38 mm riot/gas guns.





IM38CCS-4P 38mm CS CARTRIDGE

IM38CCS-MB 38mm CS CARTEINOR

> IM38CCS-DE 38mm CS CARTRIDGE

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SPECIFICATIONS

HEIGHT	123±1MM
DIAMETER	38 MM
MASS	130±7 G
CHEMICAL WEIGHT	50±3 G
ACTIVE AGENT	CS IRRITANT POWDER
ACTIVE AGENT MASS	15 G
Compatibility	ANTI-RIOT GUN 37/38 MM
RANGE	4-8 M
DISCHARGE	DRY POWDER
DISCHARGE TIME	INSTANTANEOUS
SHELF LIFE	5 YEARS

IM38 CCS-MB

The **IM38CCS-MB** Muzzle Blast Cartridge is designed for close range crowd dispersal. When fired, a cloud of CS irritant agent is discharged out to approximately 4-8 meters.

HEIGHT	123±1MM
DIAMETER	38 MM
MASS	165 ± 5 G
CHEMICAL WEIGHT	50±5G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
Compatibility	ANTI-RIOT GUN 37/38 MM
RANGE	80-120 M
SMOKE EMISSION TIME	20 - 30 5
SOUND INTENSITY	THUNDER AND BLINDING LIGHT
SHELF LIFE	5 YEARS



The **IM38CCS-DE** is pyrotechnic product intended for temporally incapacitating of unprotected crowd on open space. Fired to a target these rounds rapidly produce contaminated atmosphere infecting temporary incapacitation of rioters. Noise and candela levels cause disorientation in any persons within the effective range.

📜 】 SAFETY USE: TO BE FIRED UNDER ANGLE OF 50 DEGREES OR MORE. DO NOT FIRE DIRECTLY AT PERSONNEL



IM38CCS-BDP 37/38mm CS CARTRIDGE

IM38CCS-1PP 38mm CS CARTRIDGE

SPECIFICATIONS

HEIGHT	123±1MM
DIAMETER	38 MM
MASS	126±7G
CHEMICAL WEIGHT	20-25 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	10 - 15 G
Compatibility	ANTI-RIOT GUN 37/38 MM
RANGE	MIN 80 M
DELAY TIME	2-3 5
SHELF LIFE	5 YEARS

IM38 CCS-BDP

The **IM38CCS-BDP** is pyrotechnic product that instantly deliver a cloud of CS irritant powder at ranges up to 100m. The explosion also provides a distraction to the crowd. It is compatible with 37/38mm Anti-Riot Guns.



SAFETY USE: TO BE FIRED UNDER ANGLE OF 50 DEGREES OR MORE. DO NOT FIRE DIRECTLY AT PERSONNEL

HEIGHT	142±1 MM
DIAMETER	38 MM
MASS	197±7G
CHEMICAL WEIGHT	50±1G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
COMPATIBILITY	ANTI-RIOT GUN 37/38 MM
RANGE PENETRATION ABILITY THROUGH WOOD AND GLASS FROM 30 M	
SMOKE EMISSION TIME	20-30 5
SHELF LIFE	5 YEARS

IM38 CCS-1PP

The **IM38CCS-1PP** is pyrotechnic product intended for temporally incapacitating of unprotected crowd both open and enclosed space. Fired to a target these projectiles have penetration ability through wood and glass from a distance of 30m. These rounds rapidly produce contaminated atmosphere infecting temporary incapacitation of rioters. It is compatible with both, 37/38mm and 40mm Anti-Riot Guns.

TEAR GAS CARTRIDGE [40MM]

SPECIFICATIONS

HEIGHT	123±1 MM
DIAMETER	40 MM
MASS	142 <u>+</u> 7 G
CHEMICAL WEIGHT	50±3G
ACTIVE AGENT	CS IRRITANT POWDER
ACTIVE AGENT MASS	15 G
Compatibility	ANTI-RIOT GUN 40 MM
SHORT RANGE	4-8 M
DISCHARGE	DRY POWDER
DISCHARGE TIME	INSTANTANEOUS
SHELF LIFE	5 YEARS



The **IM4OCCS-MB** Muzzle Blast Cartridge is designed for close range crowd dispersal. When fired, a cloud of CS irritant agent is discharged out to approximately 4-8 meters.

HEIGHT	123 ± 1 MM
DIAMETER	40 MM
MASS	221±5 G
CHEMICAL WEIGHT	100 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	30%
NUMBER OF PROJECTILES	5
Compatibility	ANTI-RIOT GUN 40 MM
RANGE	65 M
SMOKE EMISSION TIME	25±5 S
SHELF LIFE	5 YEARS

IM40 CCS-5P

The **IM40CCS-5P** contains five projectiles that release CS smoke. The projectiles are launched minimum 65m, and release smoke for around 20s each. They can be launched from all types of 40mm riot/ gas guns.





TEAR GAS CARTRIDGE [40MM]



SPECIFICATIONS

HEIGHT	123±1MM
DIAMETER	40 MM
MASS	135 ± 7G
CHEMICAL WEIGHT	20-25 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	10-15 G
Compatibility	ANTI-RIOT GUN 40 MM
RANGE	MIN 80 M
DELAY TIME	2-35
SHELF LIFE	5 YEARS

The **IM4OCCS-BDP** is pyrotechnic product that instantly deliver a cloud of CS irritant powder at ranges up to 100m.The explosion also provides a distraction to the crowd. It is compatible with 40mm Anti-Riot Guns.



TEAR GAS CARTRIDGE [40MM]

SPECIFICATIONS

HEIGHT	123±1MM
DIAMETER	40 MM
MASS	207±5 G
CHEMICAL WEIGHT	100 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
NUMBER OF PROJECTILES	3
Compatibility	ANTI-RIOT GUN 40 MM
RANGE	MIN 75 M
SMOKE EMISSION TIME	25±55
SHELF LIFE	5 YEARS



The **IM40CCS-3P** contains three projectiles that release CS smoke. The projectiles are launched minimum 75m, and release smoke for around 20s each. They can be launched from all types of 40mm riot/ gas guns.





HEIGHT	123±1MM
DIAMETER	40 MM
MASS	187±5G
CHEMICAL WEIGHT	70±0,5 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
Compatibility	ANTI-RIOT GUN 40 MM
RANGE	MIN 130 M
SMOKE EMISSION TIME	25±5 S
SHELF LIFE	5 YEARS



The **IM40CCS-1P** is pyrotechnic product intended for temporally incapacitating of unprotected crowd both open and enclosed space. Fired to a target these rounds rapidly produce contaminated atmosphere infecting temporary incapacitation of rioters. It provokes hard irritation, teasing of eyes and mucous membrane, uneasiness to see with eyes and choking without inflicting permanent injury.



TEAR GAS CARTRIDGE [40X46MM]



SPECIFICATIONS

HEIGHT	MAX. 105 MM
DIAMETER	40 MM
MASS	195±10 G
CHEMICAL WEIGHT	50±5 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	20-25%
Compatibility	ANTI-RIOT GUN 40MM, GL40, M203
RANGE	MIN 130 M
SMOKE EMISSION TIME	25±5 G
SHELF LIFE	5 YEARS

The IM40CCS-1PM is pyrotechnic product intended for temporally incapacitating of unprotected crowd both open and enclosed space. Fired to a target these rounds rapidly produce contaminated atmosphere infecting temporary incapacitation of rioters. It provokes hard irritation, teasing of eyes and mucous membrane, uneasiness to see with eyes and choking without inflicting permanent injury.



SPECIFICATIONS

HEIGHT	123±1MM
DIAMETER	38 MM
MASS	195±5 G
CHEMICAL WEIGHT	100±1 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25 %
NUMBER OF PROJECTI	L ES 3
Compatibility	ANTI-RIOT GUN 37/38 MM & 40 MM
RANGE:	MIN 75 M
SMOKE EMISSION TIM	E 20-30 S
SHELF LIFE	5 YEARS

IM37 CCS-3P

The **IM37CCS-3P** contains three projectiles that release CS smoke. The projectiles are launched minimum 75 meters, and release smoke for around 20 seconds each. They can be launched from all types of 38 mm 40mm Anti-Riot/Gas Guns.

HEIGHT		123±1 MM
DIAMETER		38 MM
MASS		180±5
CHEMICAL WEIGHT		70 G
ACTIVE AGENT		CS
ACTIVE AGENT MASS		20-25%
Compatibility	ANTI-RIOT	GUN 37/38 MM & 40 MM
SHORT RANGE / LONG R	RANGE	80-120 M / MIN 135 M
SMOKE EMISSION TIME	:	20-305
SHELF LIFE		5 YEARS



The **IM37CCS-1P** is pyrotechnic product intended for temporally incapacitating of unprotected crowd both open and enclosed space. Fired to a target these rounds rapidly produce contaminated atmosphere infecting temporary incapacitation of rioters. It provokes hard irritation, teasing of eyes and mucous membrane, uneasiness to see with eyes and choking without inflicting permanent injury. It is compatible with both, 37/38mm and 40mm Anti-Riot Guns.



CS CARTRIDGE

IM37CCS-1P

IM37CCS-3P 7/40mm CS CARTRID

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SPECIFICATIONS

HEIGHT	123±1MM
DIAMETER	38 MM
MASS	126±7G
CHEMICAL WEIGHT	20-25 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	10-15 G
Compatibility	ANTI-RIOT GUN 37/38 MM & 40 MM
RANGE	MIN 80 M
DELAY TIME	2-35
SHELF LIFE	5 YEARS

IM37 CCS-BDP

The **IM37CCS-BDP** is pyrotechnic product that instantly deliver a cloud of CS irritant powder at ranges up to 100m. The explosion also provides a distraction to the crowd. It is compatible with both, 37/38mm and 40mm Anti-Riot Guns.

SAFETY USE: TO BE FIRED UNDER ANGLE OF 50 DEGREES OR MORE. DO NOT FIRE DIRECTLY AT PERSONNEL

HEIGHT	123±1 MM
DIAMETER	38 MM
MASS	208±5 G
CHEMICAL WEIGHT	100±2 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
NUMBER OF PROJECTI	L ES 4
COMPATIBILITY	ANTI-RIOT GUN 37/38 MM & 40 MM
RANGE	MIN 65 M
SMOKE EMISSION TIM	E 20-30 S
SHELF LIFE	5 YEARS

IM37 CCS-4P

The **IM37CCS-4P** contains four projectiles that release CS smoke. The projectiles are launched minimum 65 meters, and release smoke for around 20 seconds each. They can be launched from all types of 38 mm and 40mm riot/gas guns.





IM37CCS-1PP 37/40mm CS CARTRIDGE

IM37CCS-DE 37/40mm cs cartridge

SPECIFICATIONS

HEIGHT	142±1 MM
DIAMETER	38 MM
MASS	170±7 G
CHEMICAL WEIGHT	50±1G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
Compatibility	ANTI-RIOT GUN 37/38 MM & 40 MM
RANGE PENETRATION A	ABILITY THROUGH WOOD AND GLASS FROM 30 M
SMOKE EMISSION TIM	E 20-30 S
SHELF LIFE	5 YEARS

IM37 CCS-1PP

The **IM37CCS-1PP** is pyrotechnic product intended for temporally incapacitating of unprotected crowd both open and enclosed space. Fired to a target these projectiles have penetration ability through wood and glass from a distance of 30m. These rounds rapidly produce contaminated atmosphere infecting temporary incapacitation of rioters. It is compatible with both, 37/38mm and 40mm Anti-Riot Guns.

HEIGHT	123±1 MM
DIAMETER	38 MM
MASS	165 ± 5 G
CHEMICAL WEIGHT	50±5G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
COMPATIBILITY	ANTI-RIOT GUN 37/38 MM & 40 MM
RANGE	80-120 M
SMOKE EMISSION TIM	E 20-305
SOUND INTENSITY	THUNDER AND BLINDING LIGHT
SHELF LIFE	5 YEARS



The **IM37CCS-DE** is pyrotechnic product intended for temporally incapacitating of unprotected crowd on open space. Fired to a target these rounds rapidly produce contaminated atmosphere infecting temporary incapacitation of rioters. Noise and candela levels cause disorientation in any persons within the effective range.

SAFETY USE: TO BE FIRED UNDER ANGLE OF 50 DEGR

TEAR GAS HAND GRENADE



IM53GCS-1

CS HAND GRENADE

IM53GCS

CS HAND GRENADE

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SPECIFICATIONS

HEIGHT	134 MM
DIAMETER	53 MM
MASS	360±5 G
CHEMICAL WEIGHT	200 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25 %
DELAY	2-45
EMISSION PORTS	4 OR MORE
SMOKE EMISSION TIME	MIN 40 S
COLOUR OF THE BODY	GREY, WHITE
SHELF LIFE	5 YEARS

IM53GCS - 1

The **IM53GCS-1** is pyrotechnic product intended for temporally incapacitating of unprotected crowd both open and enclosed space. Thrown to a target these rounds rapidly produce contaminated atmosphere infecting temporary Incapacitation of rioters. It provokes hard irritation, teasing of eyes and mucous membrane, uneasiness to see with eyes and choking without inflicting permanent injury.

HEIGHT	97±1 MM
DIAMETER	53 MM
MASS	222±5G
CHEMICAL WEIGHT	105±2 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25 %
DELAY	2-45
SMOKE EMISSION TIME	25±5 S
COLOUR OF THE BODY	GREY, WHITE
SHELF LIFE	5 YEARS



The **IM53GCS** is pyrotechnic product intended for temporally incapacitating of unprotected crowd both open and enclosed space. Thrown to a target these rounds rapidly produce contaminated atmosphere infecting temporary Incapacitation of rioters. It provokes hard irritation, teasing of eyes and mucous membrane, uneasiness to see with eyes and choking without inflicting permanent injury.

TEAR GAS HAND GRENADE



SPECIFICATIONS

HEIGHT	121 MM
DIAMETER	37 MM
MASS	190±5 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
DELAY	2-4 5
SMOKE EMISSION TIME	25±5 S
COLOUR OF THE BODY	GREY, WHITE
SHELF LIFE	5 YEARS

IM37GCS

The **IM37GCS** is pyrotechnic product intended for temporally incapacitating of unprotected crowd both open and enclosed space. Thrown to a target these rounds rapidly produce contaminated atmosphere infecting temporary incapacitation of rioters. It provokes hard irritation, teasing of eyes and mucous membrane, uneasiness to see with eyes and choking without inflicting permanent injury.

HEIGHT	140±1 MM
DIAMETER	53 MM
MASS	380±10 G
CHEMICAL WEIGHT	200±5 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	20-25%
DELAY	2-45
SMOKE EMISSION TIME	MIN 20S (EACH PROJECTILE)
COLOUR OF THE BODY	GREY OR WHITE
SHELF LIFE	5 YEARS



The **IM53GCS-3P** contains 3 sub-munitions that release CS smoke, intended for temporally incapacitating of unprotected crowd both open and enclosed space. Thrown to a target, the 3 sub-munitions rapidly produce contaminated atmosphere infecting temporary Incapacitation of rioters. It provokes hard irritation, teasing of eyes and mucous membrane, uneasiness to see with eyes and choking without inflicting permanent injury.

IM53GCS-3P SMOKE HAND GRENADE 03 SUB-MUNITIONS

IM37GCS CS HAND GRENADE

TEAR GAS HAND GRENADE



SPECIFICATIONS

HEIGHT	153±1 MM
DIAMETER	38 MM
MASS	250±10 G
CHEMICAL WEIGHT	100±5 G (30±3 G IN EACH PROJECTILE)
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
DELAY	DELAY: 2-4 S
SMOKE EMISSION TIME	MIN 20S (EACH PROJECTILE)
COLOUR OF THE BODY	GREY OR BLACK
SHELF LIFE	5 YEARS

The **IM38GCS-3P** contains 3 projectiles that release CS smoke, intended for temporally incapacitating of unprotected crowd both open and enclosed space. Thrown to a target, the 3 projectiles rapidly produce contaminated atmosphere infecting temporary Incapacitation of rioters. It provokes hard irritation, teasing of eyes and mucous membrane, uneasiness to see with eyes and choking without inflicting permanent injury.



IMPACT-RUBBER CARTRIGE [37/38MM]



SPECIFICATIONS

HEIGHT		123±1G
DIAMETER		38 MM
MASS		119 ± 5 G
RUBBER BALLS	24 (24-70PCS ACCO	RDING TO CLIENT REQUEST)
RUBBER BALL HA	RDNESS	65 DUROMETER
LAUNCHING	A	NTI-RIOT GUN 37/38 MM
EFFECTIVE RANG	E	APPROX. 30M
MAXIMUM RANG	E	50-60 M
SHELF LIFE		5 YEARS

IM38CR-RE

The **IM38CR-RB** is used for efficient and safe breaking of large groups (crowds) of protesters in open spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).

HEIGHT	125±1MM
DIAMETER	38 MM
MASS	185±5G
RUBBER BATON	01
BATON HARDNESS	75±5 DUROMETERS
Compatibility	ANTI-RIOT GUN 37/38 MM
EFFECTIVE RANGE	50-70M
MAXIMUM RANGE	100-130M
SHELF LIFE	5 YEARS



The **IM38CR-1P** is used for efficient and safe breaking of large groups (crowds) of protesters in open spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).



IM38CR-1P ISMM RUBBER CARTRIDGE

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IMPACT-RUBBER CARTRIGE [37/38MM]



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IM38CR-3B BBMM RUBBER CARTRIDGI

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SPECIFICATIONS

HEIGHT	127±1 MM
DIAMETER	38 MM
MASS	170±5 G
RUBBER BATON	03
RUBBER BATON HARDNESS	75±5 DUROMETERS
RUBBER BATON WEIGHT	40±2 G
Compatibility	ANTI-RIOT GUN 37/38 MM
EFFECTIVE RANGE	25-30 M
SHELF LIFE	5 YEARS

IM38CR-3P

The **IM38CR-3P** is used for efficient and safe breaking of large groups (crowds) of protesters in open spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).

HEIGHT	135±3 MM
DIAMETER	38 MM
MASS	150±10 G
RUBBER BATON	03
BATON HARDNESS	75±5 DUROMETERS
RUBBER BATON WEIGHT	40±2G 30±2 G
Compatibility	ANTI-RIOT GUN 37/38 MM
EFFECTIVE RANGE	65±5 M
SHELF LIFE	5 YEARS



The **IM38CR-3B** is used for efficient and safe breaking of large groups (crowds) of protesters in open spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).

IMPACT-RUBBER CARTRIGE [40MM]



IM40CR-1P 40mm RUBBER CARTRIDG

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IM40CR-RB mm RUBBER CARTRIDGE

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SPECIFICATIONS

HEIGHT	123 MM
DIAMETER	40 MM
MASS	212±5 G
PROJECTILE	1 PROJECTILE
MASS OF THE PROJECTILE	150+/-2 G
RUBBER BATON	1
RUBBER BATON HARDNESS	65 DUROMETER SHORE A
COMPATIBILITY 40MM GRENADE	LAUNCHER WITH SMOOTH BARREL
EFFECTIVE RANGE	50-70
MAXIMUM RANGE	100-130 M
SHELF LIFE	5 YEARS

IM40 CR-1P

The **IM40CR-1P** is used for efficient and safe breaking of large groups (crowds) of protesters in open spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).

HEIGHT	123 MM
DIAMETER	40 MM
MASS	137±5G
NUMBER OF RUBBER BALLS	32±1
HARDNESS OF THE RUBBER BALL	65 DUROMETER
COMPATIBILITY 40MM GRENADE LAUNCHE	ER WITH SMOOTH BARREL
EFFECTIVE RANGE	APPROX. 35 M
MAXIMUM RANGE	30-60 M
SHELF LIFE	5 YEARS

IM40 CR-RB

The **IM40CR-RB** is used for efficient and safe breaking of large groups (crowds) of protesters in open spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).

IMPACT-RUBBER CARTRIGE [40MM]



IM40CR-3B 40mm RUBBER CARTRIDGE

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M40CR-3P

SPECIFICATIONS

HEIGHT	123 MM
DIAMETER	40 MM
MASS	170±5 G
RUBBER BALLS	3
MASS OF ONE BATON	33±2G
RUBBER BALL HARDNESS	65 DUROMETER SHORE A
COMPATIBILITY 40MM GRENA	DE LAUNCHER WITH SMOOTH BARREL
EFFECTIVE RANGE	30-60 M
MAXIMUM RANGE 120 M	
SHELF LIFE	5 YEARS



The **IM40CR-3B** is used for efficient and safe breaking of large groups (crowds) of protesters in open spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).

HEIGHT	123 MM
DIAMETER	40 MM
MASS	195±5 G
RUBBER BATONS	3
MASS OF ONE BATON42±2 G	
HARDNESS OF THE RUBBER BATOR	65 DUROMETER SHORE A
COMPATIBILITY 40MM GRENADE LAUNO	HER WITH SMOOTH BARREL
EFFECTIVE RANGE	30-60 M
MAXIMUM RANGE 120 M	
SHELF LIFE	5 YEARS

IM40 CR-3P

The **IM40CR-3P** is used for efficient and safe breaking of large groups (crowds) of protesters in open spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).

RUBBER CARTRIDGE [40X46MM]



IM40CR-1PM 40x46mm RUBBER CARTRIDGE

IM40CR

SPECIFICATIC	ONS
HEIGHT	105 MM
DIAMETER	40 MM
MASS	150±10 G
EFFECTIVE RANGE	30-50 M
PROJECTILE TYPE	SOFT RUBBER
Compatibility	ANTI-RIOT GUN 40MM, GL40, M203
SHELF LIFE	5 YEARS

The IM40CR-1PM is used for efficient and safe breaking of large groups (crowds) of protesters in open and closed spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).

IMPACT-RUBBER CARTRIGE [37/40MM]



SPECIFICATIONS

HEIGHT	125±1 MM
DIAMETER	38 MM
MASS	185±5 G
RUBBER BATON	01
BATON HARDNESS	75±5 DUROMETERS
Compatibility	ANTI-RIOT GUN 37/38 MM & 40 MM
EFFECTIVE RANGE	50-70 M
MAXIMUM RANGE	100-130 M
SHELF LIFE	5 YEARS

These cartridges are used for efficient and safe breaking of large groups (crowds) of protesters in open spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).



IMPACT-RUBBER CARTRIGE [37/40MM]



IM37CR-RB 37/40mm RUBBER CARTRIDGE

37/40mm RUBBER CARTRIDG

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IM37CR-3P

SPECIFICATIONS

HEIGHT		123±1G
DIAMETER		38 MM
MASS		119 ± 5 G
RUBBER BALLS	24 (24-70PCS ACCOF	RDING TO CLIENT REQUEST)
RUBBER BALL HARDNESS 65 DUROMETER		65 DUROMETER
COMPATIBILITY	ANTI-RIOT (GUN 37/38 MM & 40 MM
EFFECTIVE RANGE		APPROX. 30M
		50-60 M
SHELF LIFE		5 YEARS

IM37 CR-RB

These cartridges are used for efficient and safe breaking of large groups (crowds) of protesters in open spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).

HEIGHT	127±1 MM
DIAMETER	38 MM
MASS	170±5 G
RUBBER BATON	03
BATON HARDNESS	75±5 DUROMETERS
Compatibility	ANTI-RIOT GUN 37/38 MM 40 MM
EFFECTIVE RANGE	25-30 M
MAXIMUM RANGE	50-60 M
SHELF LIFE	5 YEARS

IM37 CR-3P

These cartridges are used for efficient and safe breaking of large groups (crowds) of protesters in open spaces. They can be used as the main means or in combination with other means intended for the same purpose. The special action teams may use it for combat against terrorist freeing of hostages and alike, at the same time having the possibility to use other special means, as well (shock, flesh, tear gas bombs and alike).

SMOKE CARTRIDGE [37/38MM]



SPECIFICATIONS

HEIGHT		123±1MM
DIAMETE	R	38 MM
MASS		175±5G
SMOKE	GREEN WHITE, RED, YELLOW, OR	ANGE, BLUE ARE AVAILABLE
Compati	BILITY A	NTI-RIOT GUN 37/38 MM
RANGE		80-120 M
SMOKE EMISSION TIME20 - 30 S		
SHELF LIF	Æ	5 YEARS

These rounds have number day applications under various conditions: ground recognition, indicating wind speed and direction, screening of individuals or groups, signalling, training purposes etc.



IM38CS-W IM38CS-R IM38CS-O IM38CS-G IM38CS-B IM38CS-Y

SMOKE CARTRIDGE [40MM]



SPECIFICATIONS

HEIGHT		123 MM
DIAMETE	R	40 MM
MASS		195±5G
SMOKE	GREEN (WHITE, ORANGE, BLUE, Y	ELLOW, RED ARE AVAILABLE)
COMPAT	BILITY	ANTI-RIOT GUN 40 MM
RANGE		MIN 130M
SMOKE EMISSION TIME 25±5 G		
SHELF LI	FE	5 YEARS

These rounds have number day applications under various conditions: ground recognition, indicating wind speed and direction, screening of individuals or groups, signalling, training purposes etc.



IM40CS-B IM40CS-G IM40CS-Y IM40CS-R IM40CS-0 IM40CS-W

SMOKE CARTRIDGE [37/40MM]



SPECIFICATIONS

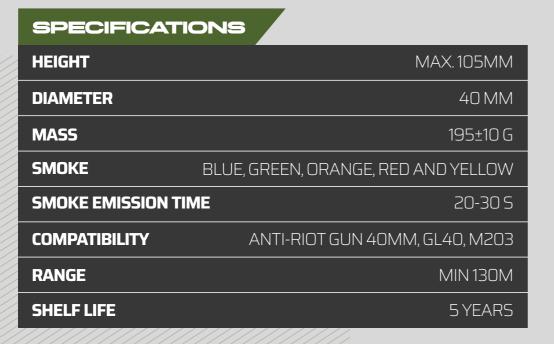
HEIGHT		123 ± 1 MM
DIAMETE	R	38 MM
MASS		180 ± 5 G
SMOKE	GREEN WHITE, RE	ED, YELLOW, ORANGE, BLUE ARE AVAILABLE
Compatii	BILITY	ANTI-RIOT GUN 37/38 MM & 40 MM
RANGE		80-120 M
SMOKE EMISSION TIME20 - 30 S		
SHELF LIF	E	5 YEARS

These rounds have number day applications under various conditions: ground recognition, indicating wind speed and direction, screening of individuals or groups, signalling, training purposes etc.



IM37CS-G IM37CS-R IM37CS-B IM37CS-O IM37CS-W IM37CS-Y

SMOKE CARTRIDGE [40X46MM]







IM40CS-WM IM40CS-GM IM40CS-RM IM40CS-0M IM40CS-BM IM40CS-YM

SMOKE HAND GRENADE



SPECIFICATIONS

HEIGHT	
DIAMETER	53 MM
MASS	229±7G
DELAY FUSE TYPE	АF171 OR ДВМ-ИМ
DELAY	2-45
SMOKE	BLUE, GREEN, ORANGE, RED AND YELLOW
SMOKE EMISSION TIME MIN 50 S	
COLOUR OF THE BODY GREY OR RAL 60 [°]	
OPERATIONAL TEMPERATURE -20C 0 - +400	
SHELF LIFE 5 YEARS	



IMGS-B IMGS-G IMGS-O IMGS-R IMGS-Y IMGS-W

SOUND & FLASH CARTRIGE [40MM & 37/38MM]



IM40CFB mm FLASH & BANG CARTRIDGE

I FLASH & BANG CARTRIDGE

IM38CFB

SPECIFICATIONS

HEIGHT	123 MM
DIAMETER	40 MM
MASS	143±5G
SOUND INTENSITY	MIN 120 DB
FLASH INTENSITY	BLINDING LIGHT
Compatibility	ANTI-RIOT GUN 40 MM
RANGE	MIN 70 M
SHELF LIFE	5 YEARS
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These rounds are designed for use by Special Forces during hostage release and anti-terrorist operations. Noise and candela levels cause disorientation in any persons within the effective range.

SAFETY USE: TO BE FIRED UNDER ANGLE OF 50 DEGREES OR MORE. DO NOT FIRE DIRECTLY AT PERSONNEL

HEIGHT	123 MM
DIAMETER	38 MM
MASS	135±5 G
SOUND INTENSITY	MIN 120 DB
FLASH INTENSITY	BLINDING LIGHT
COMPATIBILITY	ANTI-RIOT GUN 38 MM
RANGE	MIN 70 M
SHELF LIFE	5 YEARS



These rounds are designed for use by Special Forces during hostage release and anti-terrorist operations. Noise and candela levels cause disorientation in any persons within the effective range.

SAFETY USE: TO BE FIRED UNDER ANGLE OF 50 DEGREES OR MORE. DO NOT FIRE DIRECTLY AT PERSO

SOUND & FLASH CARTRIGE [37/40MM]



SPECIFICATI	ONS
HEIGHT	123 MM
DIAMETER	38 MM
MASS	135±5 G
SOUND INTENSIT	Y MIN 120 DB
FLASH INTENSITY	BLINDING LIGHT
Compatibility	ANTI-RIOT GUN 37/38 MM AND 40 MM
RANGE	MIN 70 M
SHELF LIFE	5 YEARS



5AFETY USE: TO BE FIRED UNDER ANGLE OF 50 DEGREES OR MORE. DO NOT FIRE DIRECTLY AT PERSONNEL

These rounds are designed for use by Special Forces during hostage release and anti-terrorist operations. Noise and candela levels cause disorientation in any persons within the effective range.



SOUND & FLASH HAND GRENADE



SPECIFICATIONS

HEIGHT	118 MM
DIAMETER	37 MM
MASS	120±5G
DELAY	2-45
SOUND INTENSITY	MIN 120 DB
FLASH INTENSITY	THUNDER AND BLINDING LIGHT
BODY MATERIAL	RUBBER
SHELF LIFE	5 YEARS
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IMGEB

IMGFB is diversionary grenade, designed for use by Special Forces during hostage release and anti-terrorist operations. Noise and candela levels cause disorientation in any persons within the effective range. This grenade is hand thrown.

SAFETY USE: THROW AT 10 METER DITANCE FROM SUBJECT. MAY CAUSE INJURIES AT CLOSE DISTANCE

IMGFB Flash & Bang Grenade

IMGS

Stun Grenade

M

HEIGHT	118 MM
DIAMETER	37 MM
MASS	135±5 G
DELAY	2-45
SOUND INTENSITY	MIN 120 DB
BODY MATERIAL	RUBBER
SHELF LIFE	5 YEARS



IMGS is diversionary grenade, designed for use by Special Forces during hostage release and anti-terrorist operations. Noise levels cause disorientation in any persons within the effective range. This grenade is hand thrown.

SAFETY USE: THROW AT 10 METER DITANCE FROM SUBJECT. MAY CAUSE INJURIES AT CLOSE DISTANCE



TRAINING HAND GRENADE

SPECIFICATION	S
HEIGHT	111±1 MM
DIAMETER	75±1 MM
MASS	147±15 G
ACTIVE AGENT	INERT POWDER
ACTIVE AGENT MASS	20±0.5G
DELAY	2-45
SOUND INTENSITY	THUNDER AND BLINDING LIGHT
SHELF LIFE	5 YEARS



SAFETY USE: THROW AT 10 METER DITANCE FROM SUBJECT. MAY CAUSE INJURIES AT CLOSE DISTANCE

This grenade was specially designed to produce a noisy blast effect followed by dispersion of inert powder. It is used for training purposes.



DOUBLE EFFECT HAND GRENADE



SPECIFICATIONS

HEIGHT	111±2MM	
DIAMETER	75±1 MM	
MASS	145±15 G	
ACTIVE AGENT	CS	
ACTIVE AGENT MASS	20±0.5 G	
DELAY	2-4 S	
SOUND INTENSITY	THUNDER AND BLINDING LIGHT	
SHELF LIFE	5 YEARS	



SAFETY USE: THROW AT 10 METER DISTANCE FROM SUBJECT. MAY CAUSE INJURIES AT CLOSE DISTANCE

This grenade was specially designed to produce a noisy blast effect followed by dispersion of micro-pulverized CS particles. Its rubber body prevents harmful fragmentation. Its spherical shape produces some bouncing effect.



DOUBLE EFFECT HAND GRENADE



SPECIFICATIONS

HEIGHT	131±2 MM
DIAMETER	56 MM
MASS	235±5 G
DELAY	2-4 S
NUMBER OF RUBBER SHRAPNEL'S	18
RUBBER BALLS DIAMETER	15 MM
SHELF LIFE	5 YEARS

IMGDE-S18RS

IMGDE-S18RS grenades are used by special tactical units during high-risk warrants. It is a device that emits thunderous noise along with 18 flying rubber shrapnel to distract potentially dangerous individuals.

SAFETY USE: THROW AT 10 METER DISTANCE FROM SUBJECT. MAY CAUSE INJURIES AT CLOSE DISTANCE



HEIGHT	108±2 MM
DIAMETER	75±2 MM
MASS	170±7 G
DELAY	2-45
SOUND INTENSITY	MIN 120 DB
NUMBER OF RUBBER BALLS	15
RUBBER BALLS DIAMETER	15 MM
SHELF LIFE	5 YEARS

IMGDE-S15RB

IMGDE -S15RB grenades are used by special tactical units during high-risk warrants. It is a device that emits thunderous noise along with 15 flying rubber balls to distract potentially dangerous individuals.

SAFETY USE: THROW AT 10 METER DISTANCE FROM SUBJECT. MAY CAUSE INJURIES AT CLOSE DISTANCE



MULTI EFFECT HAND GRENADE



SPECIFICATIONS

HEIGHT	111±1 MM
DIAMETER	75±2 MM
MASS	190±10 G
DELAY	2-45
ACTIVE AGENT	CS
ACTIVE AGENT MASS	10±1 G
SOUND INTENSITY MIN 120) DB (ACCORDING TO CLIENT REQUEST)
NUMBER OF RUBBER BALL	5 100
RUBBER BALLS DIAMETER	8 MM
SHELF LIFE	5 YEARS

IMGME SCS100RE

IMGME-SCS100RB grenades are used by special tactical units during high-risk warrants. It is a device that emits thunderous noise along with 100 flying rubber balls and CS powder to distract potentially dangerous individuals.

SAFETY USE: THROW AT 10 METER DISTANCE FROM SUBJECT. MAY CAUSE INJURIES AT CLOSE DISTANCE



HEIGHT	111±1 MM
DIAMETER	75±2 MM
MASS	186±5 G
DELAY	2-45
ACTIVE AGENT	CS POWDER
ACTIVE AGENT MASS	20 G
SOUND INTENSITY	MIN 120 DB
NUMBER OF RUBBER BALLS	15
RUBBER BALLS DIAMETER	15 MM
SHELF LIFE	5 YEARS

IMGME SCS15RB

IMGME-SCS15RB grenades are used by special tactical units during high-risk warrants. It is a device that emits thunderous noise along with 15 flying rubber balls and CS powder to distract potentially dangerous individuals.

SSAFETY USE: THROW AT 10 METER DISTANCE FROM SUBJECT. MAY CAUSE INJURIES AT CLOSE DISTANCE



12 GAUGE ROUNDS



SHORT RANGE 12 GAUGE IMPACT ROUNDS		
12 GAUGE ROUND	1 Rubber Ball	
12 GAUGE ROUND	2 Rubber Balls	
12 GAUGE ROUND	15 Rubber Balls	
12 GAUGE ROUND	Bean Bag	
12 GAUGE ROUND	Propellant Cartridge	



PROPERTIES

Icemak Gauge Impact Ammunition is engineered for a wide range of incapacitation levels, from non-lethal pain compliance to full non-lethal incapacitation. Designed to neutralize single targets or groups of aggressors, it serves as an effective solution in scenarios where chemical agents are not preferred or applicable.

IMPACT ROUNDS

12 GAUGE PUMP ACTION ANTI-RIOT GUNS

12 GAUGE ANTI RIOT GUN		
CALIBER	12 Ga	
CAPACITY	7 + 1	
BARREL LENGTH	610mm	
WEIGHT	2.8Kg	



PROPERTIES

Built for strength, durability, and seamless, bind-free operation. Designed for deploying less-lethal 12-gauge impact rounds and, when equipped with a launching adapter, capable of launching grenades.



ANTI RIOT GUN

SINGLE SHOT ANTI RIOT GUN

Durable and dependable launcher engineered to fire all 37/38mm or 40mm rounds. This single-shot riot gun features a trigger lock for enhanced safety and an ambidextrous barrel release latch for easy operation. Designed with a folding stock made from advanced polymer materials and an ergonomic grip for improved handling.

MULTI SHOT ANTI RIOT GUN

The multi-shot anti-riot gun has a capacity of six 37/38mm or 40mm rounds and is fully compatible with the complete range of Icemak- manufactured 37/38mm or 40mm ammunition. For safety, it features a trigger lock and a barrel release latch that can be accessed from either side of the launcher. Additionally, it is designed with an ergonomic grip and a durable stock made from advanced polymer materials.





TACTICAL GEAR





TACTICAL GEAR

Icemak Tactical Gear delivers high-quality equipment tailored for law enforcement, military, and homeland security agencies, ensuring they have the necessary tools to carry out their missions safely and efficiently. The product line encompasses a wide range of police duty gear, protective equipment, and tactical accessories, all designed with premium materials for superior durability and performance. Each product undergoes rigorous testing and evaluation by the development team in collaboration with security force partners through field trials.







GAS MASKS

RIOT CONTROL GAS MASK

TACTICAL GAS MASK

TACTICAL GAS MASK - CBRN







PROPERTIES

The ICEMAK Tactical Gas Masks are designed specifically for officers engaged in tactical operations and crowd control, providing protection against NBC threats and riot control agents such as CS, CN, and OC. Featuring a unique design, the mask offers an exceptionally wide field of vision while ensuring comfort and flexibility. With a 180-degree peripheral view and a UV-absorbing coating, it enhances visibility in various conditions. The soft face seal incorporates an S-shaped rubber design with a spring effect, allowing for extended wear of up to 120 hours.

GAS MASKS

TRAINING

MICEMAN

CHEMICAL MUNITIONS USEAGE COURSE

STANDARD-DURATION COURSES

This comprehensive training program provides in-depth instruction on the use of various types and forms of tear gas, smoke, and sound & flash munitions. Conducted over 3 to 4 days, the course covers all aspects of selection, preparation, deployment, and storage of the tear gas, smoke, and sound & flash munition. Participants will gain specialized knowledge of ICEMAK chemical agent products, including CS gas and smoke, along with the essential skills needed to return to their agency and deliver in-service training.

SHORT-DURATION COURSES

These are quick courses designed to train participants to operate one or two non-lethal technologies, providing focused and efficient learning in a short period of time.

TACTICAL COURSE

The Tactical Course is designed to train officers in effective tactics for handling riot situations. It emphasizes the importance of proportional force by law enforcement, ensuring the responsible use of less-lethal ammunition.

The curriculum includes both theoretical course and practical training with ICEMAK products, equipping participants with knowledge on strategic planning and the efficient deployment of less-lethal ammunition.

To complete the course, participants must pass a written assessment, present a technical project, and demonstrate practical proficiency in using less-lethal ammunition.

Upon completion, officers return with enhanced tactical and technical expertise in riot control and the proportional application of less-lethal force.



Please note that the technical specifications and product pictures are generally informative and may not be completely identical to the actual product!

Please make sure to specify all parameters with our specialist.

www.icemak.mk





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