



LESS LETHAL TECHNOLOGIES

PRODUCT CATALOG

WHO WE ARE

ICEMAK

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.

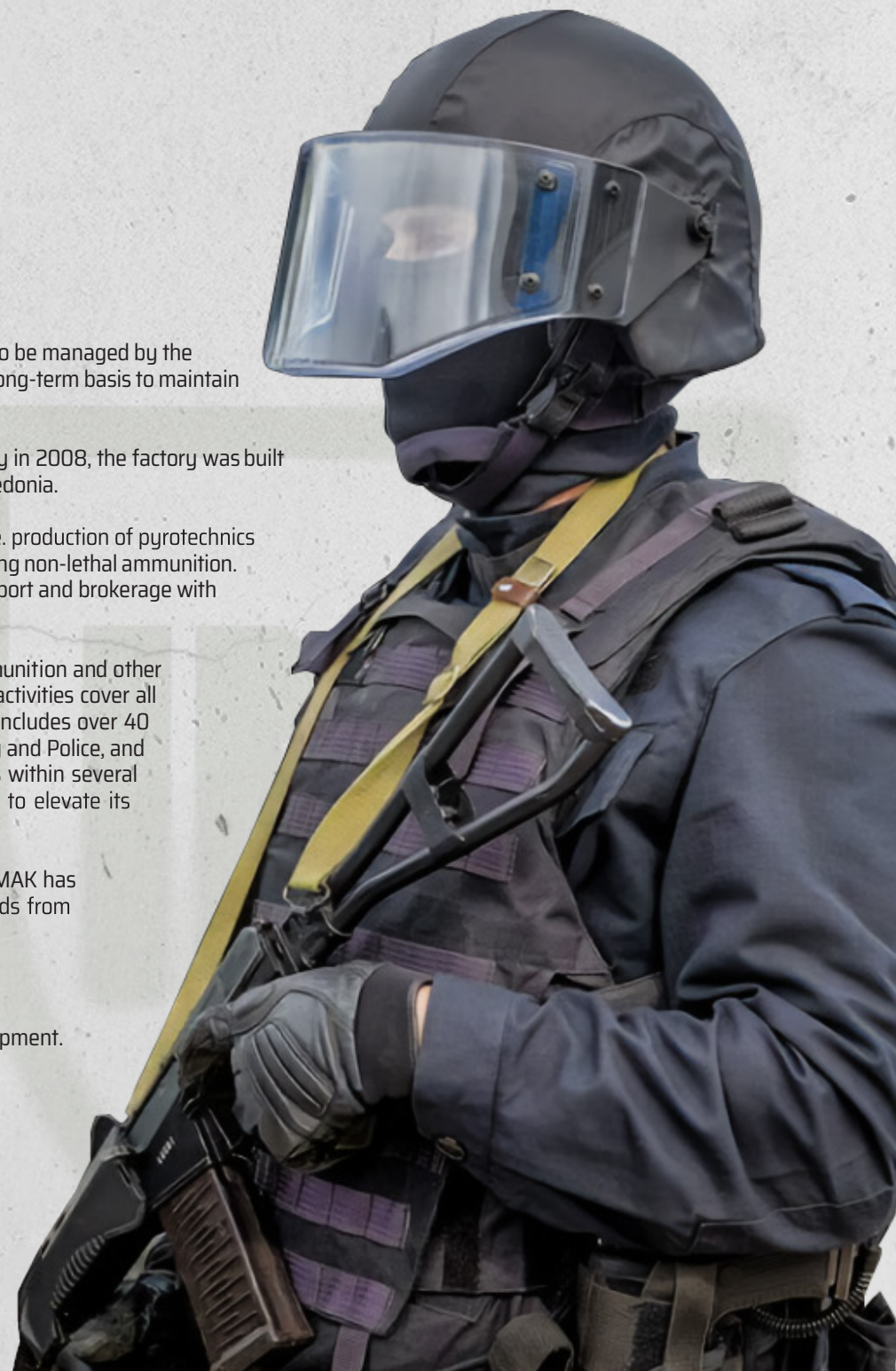
The second field is import, export and brokerage with all kinds of Weapons and Military Equipment. ICEMAK has good cooperation with producers and suppliers in the field of the production of arms and dual use goods from Bulgaria, Ukraine, Russia, Czech Republic, Republic of Slovakia, Serbia, Hungary,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



TEAR GAS CARTRIDGE [37/38MM]



SPECIFICATIONS

HEIGHT	123 ±1 MM
DIAMETER	38 MM
MASS	180±5 G
CHEMICAL WEIGHT	70±1 G
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.



IM38 CCS-1P

TEAR GAS CARTRIDGE [37/38MM]



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	20-30S
SHELF LIFE	5 YEARS

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-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.



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.



TEAR GAS CARTRIDGE [37/38MM]



SPECIFICATIONS

HEIGHT	123 ± 1 MM
DIAMETER	38 MM
MASS	210 ± 5 G
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

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 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-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.



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.



TEAR GAS CARTRIDGE [37/38MM]



SPECIFICATIONS

HEIGHT	123 ± 1 MM
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

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

IM38 CCS-DE

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



TEAR GAS CARTRIDGE [37/38MM]



SPECIFICATIONS

HEIGHT	123 ± 1 MM
DIAMETER	38 MM
MASS	126 ± 7 G
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 S
SHELF LIFE	5 YEARS

HEIGHT	142 ± 1 MM
DIAMETER	38 MM
MASS	170 ± 7 G
CHEMICAL WEIGHT	50 ± 1 G
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 S
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

IM38 CCS-1PP

The **IM38CCS-1PP** is pyrotechnic product intended for temporarily 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 ± 7 G
CHEMICAL WEIGHT	50 ± 3 G
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

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-MB

The **IM40CCS-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.



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 ± 1 MM
DIAMETER	40 MM
MASS	137 ± 7 G
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	2-3 S
SHELF LIFE	5 YEARS

The **IM40CCS-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.



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



IM40 CCS-BDP

TEAR GAS CARTRIDGE [40MM]



SPECIFICATIONS

HEIGHT	123 ± 1 MM
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 ± 5 S
SHELF LIFE	5 YEARS

HEIGHT	123 ± 1 MM
DIAMETER	40 MM
MASS	195 ± 5
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

IM40 CCS-3P

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.



IM40 CCS-1P

The **IM40CCS-1P** is pyrotechnic product intended for temporarily 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.



IM40CCS 1PM

TEAR GAS CARTRIDGE [37/40MM]



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	ANTI-RIOT GUN 37/38 MM & 40 MM
RANGE:	MIN 75 M
SMOKE EMISSION TIME	20-30 S
SHELF LIFE	5 YEARS

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 RANGE	80-120 M / MIN 135 M
SMOKE EMISSION TIME	20 - 30S
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.



IM37 CCS-1P

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.



TEAR GAS CARTRIDGE [37/40MM]



SPECIFICATIONS

HEIGHT	123 ± 1 MM
DIAMETER	38 MM
MASS	126 ± 7 G
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	2-3 S
SHELF LIFE	5 YEARS

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 PROJECTILES	4
COMPATIBILITY	ANTI-RIOT GUN 37/38 MM & 40 MM
RANGE	MIN 65 M
SMOKE EMISSION TIME	20-30 S
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



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.



TEAR GAS CARTRIDGE [37/40MM]



SPECIFICATIONS

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

HEIGHT	123±1 MM
DIAMETER	38 MM
MASS	165 ± 5 G
CHEMICAL WEIGHT	50 ± 5 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25%
COMPATIBILITY	ANTI-RIOT GUN 37/38 MM & 40 MM
RANGE	80-120 M
SMOKE EMISSION TIME	20 - 30 S
SOUND INTENSITY	THUNDER AND BLINDING LIGHT
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.



IM37 CCS-DE

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 DEGREES OR MORE. DO NOT FIRE DIRECTLY AT PERSONNEL



TEAR GAS HAND GRENADE



SPECIFICATIONS

HEIGHT	134 MM
DIAMETER	53 MM
MASS	360±5 G
CHEMICAL WEIGHT	200 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25 %
DELAY	2-4 S
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	229±5 G
CHEMICAL WEIGHT	105±2 G
ACTIVE AGENT	CS
ACTIVE AGENT MASS	25 %
DELAY	2-4 S
SMOKE EMISSION TIME	25±5 S
COLOUR OF THE BODY	GREY, WHITE
SHELF LIFE	5 YEARS

IM53GCS

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 S
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	2-4 S
SMOKE EMISSION TIME	MIN 20S (EACH PROJECTILE)
COLOUR OF THE BODY	GREY OR WHITE
SHELF LIFE	5 YEARS

IM53GCS-3P

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.



TEAR GAS HAND GRENADE



SPECIFICATIONS

HEIGHT	140±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 inflicting 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.



IM38 GCS-3P

IMPACT-RUBBER CARTRIDGE [37/38MM]



SPECIFICATIONS

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

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

IM38CR-RB

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).



IM38CR-1P

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).



IMPACT-RUBBER CARTRIDGE [37/38MM]



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

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

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).



IM38CR-3B

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 CARTRIDGE [40MM]



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

HEIGHT	123 MM
DIAMETER	40 MM
MASS	130±5 G
NUMBER OF RUBBER BALLS	32±1
HARDNESS OF THE RUBBER BALL	65 DUROMETER
COMPATIBILITY	40MM GRENADE LAUNCHER WITH SMOOTH BARREL
EFFECTIVE RANGE	APPROX. 35 M
MAXIMUM RANGE	30-60 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).



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 CARTRIDGE [40MM]



SPECIFICATIONS

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

HEIGHT	123 MM
DIAMETER	40 MM
MASS	195±5 G
RUBBER BATONS	3
MASS OF ONE BATON	42±2 G
HARDNESS OF THE RUBBER BATON	65 DUROMETER SHORE A
COMPATIBILITY	40MM GRENADE LAUNCHER WITH SMOOTH BARREL
EFFECTIVE RANGE	30-60 M
MAXIMUM RANGE	120 M
SHELF LIFE	5 YEARS

IM40 CR-3B

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).



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]



SPECIFICATIONS

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).



IM40CR 1PM

IMPACT-RUBBER CARTRIDGE [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).



IM37 CR-1P

IMPACT-RUBBER CARTRIDGE [37/40MM]



SPECIFICATIONS

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

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-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).



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 ± 1 MM
DIAMETER	38 MM
MASS	180 ± 5 G
SMOKE	GREEN WHITE, RED, YELLOW, ORANGE, BLUE ARE AVAILABLE
COMPATIBILITY	ANTI-RIOT GUN 37/38 MM
RANGE	80-120 M
SMOKE EMISSION TIME	20 - 30 S
SHELF LIFE	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
DIAMETER	40 MM
MASS	195±5G
SMOKE	GREEN (WHITE, ORANGE, BLUE, YELLOW, RED ARE AVAILABLE)
COMPATIBILITY	ANTI-RIOT GUN 40 MM
RANGE	MIN 130M
SMOKE EMISSION TIME	25±5 G
SHELF LIFE	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-O IM40CS-W

SMOKE CARTRIDGE [37/40MM]



SPECIFICATIONS

HEIGHT	123 ± 1 MM
DIAMETER	38 MM
MASS	180 ± 5 G
SMOKE	GREEN WHITE, RED, YELLOW, ORANGE, BLUE ARE AVAILABLE
COMPATIBILITY	ANTI-RIOT GUN 37/38 MM & 40 MM
RANGE	80-120 M
SMOKE EMISSION TIME	20 - 30 S
SHELF LIFE	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]



SPECIFICATIONS

HEIGHT	MAX.105MM
DIAMETER	40 MM
MASS	195±10 G
SMOKE	BLUE, GREEN, ORANGE, RED AND YELLOW
SMOKE EMISSION TIME	20-30 S
COMPATIBILITY	ANTI-RIOT GUN 40MM, GL40, M203
RANGE	MIN 130M
SHELF LIFE	5 YEARS



IM40CS-WM **IM40CS-GM**
IM40CS-RM **IM40CS-OM**
IM40CS-BM **IM40CS-YM**

SMOKE HAND GRENADE



SPECIFICATIONS

HEIGHT	108±1 MM
DIAMETER	53 MM
MASS	229±7 G
DELAY FUSE TYPE	AF171 OR ДВМ-ИМ
DELAY	2-4 S
SMOKE	BLUE, GREEN, ORANGE, RED AND YELLOW
SMOKE EMISSION TIME	MIN 50 S
COLOUR OF THE BODY	GREY OR RAL 6011
OPERATIONAL TEMPERATURE	-20C 0 - +40C 0
SHELF LIFE	5 YEARS



IMGS-B IMGS-G IMGS-O

IMGS-R IMGS-Y IMGS-W

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



SPECIFICATIONS

HEIGHT	123 MM
DIAMETER	40 MM
MASS	145±5 G
SOUND INTENSITY	MIN 120 DB
FLASH INTENSITY	BLINDING LIGHT
COMPATIBILITY	ANTI-RIOT GUN 40 MM
RANGE	MIN 70 M
SHELF LIFE	5 YEARS

IM40CFB

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

IM38CFB

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



SOUND & FLASH CARTRIDGE [37/40MM]



SPECIFICATIONS

HEIGHT	123 MM
DIAMETER	38 MM
MASS	135±5 G
SOUND INTENSITY	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



SAFETY 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.



IM37CFB

SOUND & FLASH HAND GRENADE



SPECIFICATIONS

HEIGHT	118 MM
DIAMETER	37 MM
MASS	135±5 G
DELAY	2-4S
SOUND INTENSITY	MIN 120 DB
FLASH INTENSITY	THUNDER AND BLINDING LIGHT
BODY MATERIAL	RUBBER
SHELF LIFE	5 YEARS

IMGFB

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



HEIGHT	118 MM
DIAMETER	37 MM
MASS	135±5 G
DELAY	2-4S
SOUND INTENSITY	MIN 120 DB
BODY MATERIAL	RUBBER
SHELF LIFE	5 YEARS

IMGS

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



SPECIFICATIONS

HEIGHT	111±1 MM
DIAMETER	75±1 MM
MASS	147±15 G
ACTIVE AGENT	INERT POWDER
ACTIVE AGENT MASS	20±0.5G
DELAY	2-4S
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.



IMGS-TG

DOUBLE EFFECT HAND GRENADE



SPECIFICATIONS

HEIGHT	111±1 MM
DIAMETER	75±1 MM
MASS	225±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.



IMGDE SCS

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	2-4 S
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	2-4 S
ACTIVE AGENT	CS
ACTIVE AGENT MASS	10±1 G
SOUND INTENSITY	MIN 120 DB (ACCORDING TO CLIENT REQUEST)
NUMBER OF RUBBER BALLS	100
RUBBER BALLS DIAMETER	8 MM
SHELF LIFE	5 YEARS

HEIGHT	111±1 MM
DIAMETER	75±2 MM
MASS	186±5 G
DELAY	2-4 S
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 SCS100RB

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



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.




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



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.

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