

ICEMAK



www.icemak.mk

LESS LETHAL TECHNOLOGIES

WHO WE ARE

ICEMAK LTD

ICEMAK Ltd 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.

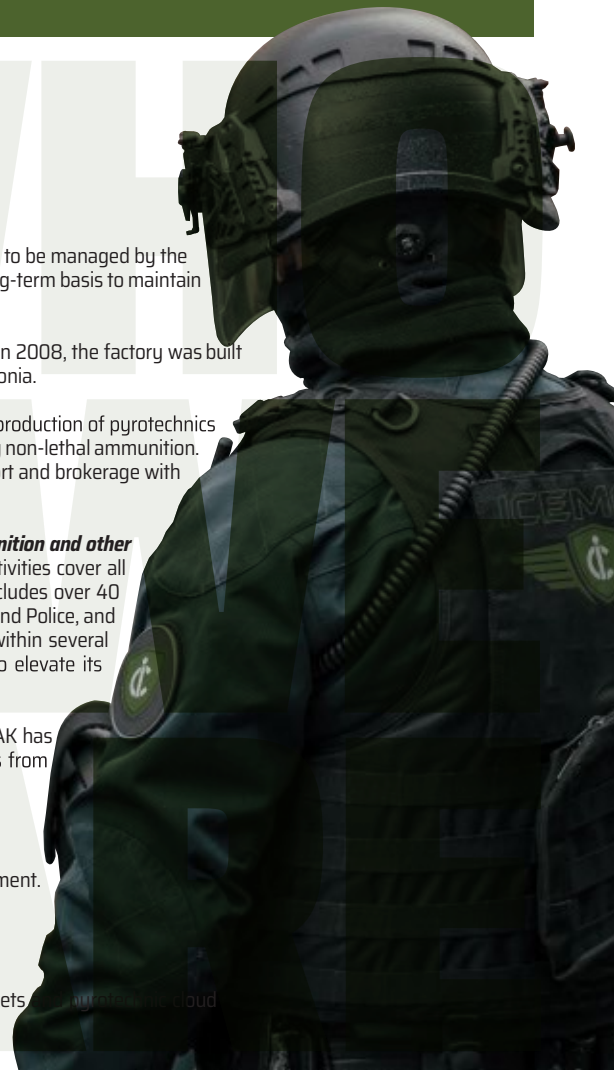
ICEMAK currently operates in three fields. The first and main activity is the production of **non-lethal ammunition and other pyrotechnics**, designed for the needs of the modern Police units and Armies around the world. ICEMAK activities cover all aspects, from product design to production, including 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, seeding flares for hail suppression, rain enhancement and snowpack augmentation.



CARTRIDGE TEAR GAS

1 Projectile [37/38mm]

MODEL
IM38CCS-1P

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 188± 5g	Dimension of the box, mm: 520x400x165
Chemical weight: 70g	Gross weight, kg: 17
Active agent: CS	
Active agent mass: 25%	
Compatibility: Anti-Riot Gun 37/38 mm	
Short range: 80-120m Long range: min. 130m	
Shelf life: 5 years	
NSN: 1310-54-000-0075	



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 specialists.

CARTRIDGE TEAR GAS

3 Projectiles[37/38mm]

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 195±5g	Dimension of the box, mm: 520x400x165
Chemical weight: 100±1g	Total package weight, kg: 17,7kg
Active agent: CS	
Active agent mass: 25%	
Compatibility: Anti-Riot Gun 38 mm	
Short range: min 75m	
Smoke emission time: 20-30s	
Shelf life: 5 years	

MODEL

IM38CCS-3P



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CARTRIDGE TEAR GAS

3 Projectiles[37/38mm]

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 198± 5g	Dimension of the box, mm: 520x400x165
Chemical weight: 100±1g	Total package weight, kg: 17,7kg
Active agent: CS	
Active agent mass: 25%	
Number of Projectiles: 3	
Compatibility: Drone or Vehicle Launcher	
Primer: Electric	
Range: min 30-70m	
Smoke emission time: 20-30s	
Shelf life: 5 year	

MODEL

IM38CCS-3PEP



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CARTRIDGE TEAR GAS

4 Projectiles [37/38mm]

MODEL

IM38CCS-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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 208± 5g	Dimension of the box, mm: 520x400x165
Chemical weight: 100±2g	Total package weight, kg: 18,4kg
Active agent: CS	
Active agent mass: 25%	
Number of Projectiles: 4	
Compatibility: Anti Riot Gun or 38mm	
Range: min 65m	
Smoke emission time: 20-30s	
Shelf life: 5 year	



CARTRIDGE MULTI EFFECT

CS Smoke + 1 Bang^[37/38mm]

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 167 ± 5g	Dimension of the box, mm: 520x400x165
Chemical weight: 50±5g	Total package weight, kg: 15,2kg
Active agent: CS	
Active agent mass: 25%	
Compatibility: Anti Riot Gun or 38mm	
Range: 80-120m	
Smoke emission time: 20-30s	
Sound Intensity: Thunder and Blinding Light	
Shelf life: 5 year	



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

MODEL

IM38CCS-DE



CARTRIDGE RUBBER

1 Baton [37/38mm]

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).

Technical Specification	Packing Details
Height: 125±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 187±5g	Dimension of the box, mm: 520x400x165
Rubber Baton: 01	Total package weight, kg: 17kg
Baton Hardness: 75±5 durometers	
Compatibility: Anti-Riot Gun 37/38 mm	
Effective range: 50-70m	
Maximum range: 100-130m	
Shelf life: 5 year	

MODEL

IM38CR-1P



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CARTRIDGE RUBBER

3 Baton [37/38mm]

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).

Technical Specification	Packing Details
Height: 127±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 170±5g	Dimension of the box, mm: 520x400x165
Rubber Baton: 03	Total package weight, kg: 15,2kg
Rubber Baton Hardness: 75±5 durometers	
Rubber Baton Weight: 40±2g	
Compatibility: Anti-Riot Gun 37/38 mm	
Effective range: 25-30m	
Shelf life: 5 year	

MODEL

IM38CR-3P



CARTRIDGE RUBBER

3 Balls [37/38mm]

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).

Technical Specification	Packing Details
Height: 127±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 170±5g	Dimension of the box, mm: 520x400x165
Rubber Balls: 03	Total package weight, kg: 15,2kg
Rubber Baton Hardness: 75±5 durometers	
Rubber Baton Weight: 40±2g	
Compatibility: Anti-Riot Gun 37/38 mm	
Effective range: 25-30m	
Shelf life: 5 year	

MODEL

IM38CR-3B



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CARTRIDGE RUBBER

Rubber Balls[37/38mm]

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).

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 119±5g	Dimension of the box, mm: 520x400x165
Hardness of the rubber ball: 65 durometer	Total package weight, kg: 11,1
Number of rubber balls: 24 (24-70pcs according to client request)	
Launching: Anti-Riot Gun 37/38mm	
Effective range: approx. 30m	
Maximum range: 50-60m	
Shelf life: 5 year	

MODEL

IM38CR-RB



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CARTRIDGE

Smoke [37/38mm]

MODEL
IM38CS
G/R/W/B/O/Y

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 189±5g	Dimension of the box, mm: 520x400x165
Smoke: Green, White, Red, Yellow, Orange, Blue	Total package weight, kg: 17kg
Compatibility: Anti-Riot Gun 37/38 mm	
Range: 80-120m	
Smoke emission time: 20-30s	
Shelf life: 5 year	



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CARTRIDGE PAVA

1 Projectile [37/38mm]

*The **IM38CPV-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.*

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 190 ± 5g	Dimension of the box, mm: 520x400x165
Chemical weight: 70g	Total package weight, kg: 17kg
Active agent: PAVA	
Active agent mass: 25%	
Compatibility: Anti Riot Gun 37/38mm	
Short Range: 80-120m / Long Range: min.130m	
Smoke emission time: 20-30s	
Shelf life: 5 year	

MODEL

IM38CPV-1P



CARTRIDGE OC

1 Projectile [37/38mm]

MODEL
IM38COC-1P

The IM38COC-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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 190 ± 5g	Dimension of the box, mm: 520x400x165
Chemical weight: 70g	Total package weight, kg: 17kg
Active agent: OC	
Active agent mass: 25%	
Compatibility: Anti Riot Gun 37/38mm	
Short Range: 80-120m / Long Range: min.130m	
Smoke emission time: 20-30s	
Shelf life: 5 year	



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CARTRIDGE

Flash & Bang [40mm & 37/38mm]

MODEL
IM40CFB &
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.

Technical Specification		Packing Details
IM40CFB	IM38CFB	Packing: Carton Box
Height: 123mm	Height: 123mm	Quantity per package, pcs: 80
Diameter: 40mm	Diameter: 38mm	Dimension of the box, mm: 520x400x165
Mass: 230 ± 5g	Mass: 220 ± 5g	Total package weight, kg: 19,90
Sound Intensity: min 120dB	Sound Intensity: min 120dB	
Flash Intensity: Blinding Light	Flash Intensity: Blinding Light	
Compatibility: Anti-Riot Gun 40mm	Compatibility: Anti-Riot Gun 38mm	
Range: min 70m	Range: min 70m	
Shelf Life: 5 years	Shelf Life: 5 years	



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

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 specialists.

CARTRIDGE TEAR GAS

Long range [40mm]

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.

Technical Specification	Packing Details
Height: 123±1 mm	Packing: Carton Box
Diameter: 40 mm	Quantity per package, pcs: 80
Mass: 202±5g	Dimension of the box, mm: 520x400x165
Chemical weight: 70±0,5g	Total package weight, kg: 17,9kg
Active agent: CS	
Active agent mass: 25%	
Compatibility: Anti-Riot Gun 40 mm	
Range: min 130m	
Smoke emission time: 25±5s	
Shelf life: 5 years	

MODEL

IM40CCS-1P



CARTRIDGE TEAR GAS

3 Projectiles [40mm]

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 40 mm	Quantity per package, pcs: 80
Mass: 207±5g	Dimension of the box, mm: 520x400x165
Chemical weight: 100g	Total package weight, kg: 22,1
Active agent: CS	
Active agent mass: 25%	
Number of projectiles: 3	
Compatibility: Anti-Riot Gun 40 mm	
Range: min 75m	
Smoke emission time: 25±5s	
Shelf life: 5 years	

MODEL

IM40CCS-3P



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CARTRIDGE TEAR GAS

5 Projectiles [40mm]

The IM40CCS-5P contains five 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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 40 mm	Quantity per package, pcs: 80
Mass: 221±5g	Dimension of the box, mm: 520x400x165
Chemical weight: 100g	Total package weight, kg: 22,1
Active agent: CS	
Active agent mass: 30%	
Number of projectiles: 5	
Compatibility: Anti-Riot Gun 40 mm	
Range: min 75m	
Smoke emission time: 25±5s	
Shelf life: 5 years	

MODEL

IM40CCS-5P



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CARTRIDGE TEAR GAS

Long range [40mm]

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.

Technical Specification

Height: 105mm

Diameter: 40 mm

Mass: 195±8 g

Chemical weight: 50-70g

Active agent: CS

Active agent mass: 25%

Compatibility: Anti-Riot Gun 40mm, GL40, M203

Range: min 130m

Smoke emission time: 25±5s

Shelf life: 5 years

Packing Details

Packing: Carton Box

Quantity per package, pcs: 80

Dimension of the box, mm: 520x400x165

Total package weight, kg: 17,1kg

MODEL

IM40CCS-1PM



CARTRIDGE RUBBER

1 Projectile[40mm]

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).

Technical Specification	Packing Details
Height: 123mm	Packing: Carton Box
Diameter: 40mm	Quantity per package, pcs: 80
Mass: 244±5g	Dimension of the box, mm: 520x400x165
Projectile: 1 Projectile	Total package weight, kg: 21,3
Mass of the Projectile: 136±1g	
Rubber Baton: 1	
Rubber Baton Hardness: 64 durometer Shore A	
Compatibility: 40mm Grenade Launcher with Smooth Barrel	
Shelf life: 5 year	

MODEL

IM40CR-1P



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CARTRIDGE RUBBER

1 Soft Projectile[40mm]

MODEL
IM40CR-1SP

The IM40CR-1SP is used for efficient and safe breaking of large groups (crowds) of protesters in open and closed spaces. A specially designed soft rubber projectile cannot cause serious injuries.

Technical Specification	Packing Details
Height: 105mm	Packing: Carton Box
Diameter: 40mm	Quantity per package, pcs: 80
Mass: min. 90g	Dimension of the box, mm: 520x400x165
Projectile: 1 Projectile	
Projectile Material: Soft Rubber	
Compatibility: 40mm and 40x46mm Grenade Launchers	
Effective Range: min. 50mm	
Shelf life: 5 year	



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CARTRIDGE RUBBER

3 Projectile [40mm]

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).

Technical Specification	Packing Details
Height: 123mm	Packing: Carton Box
Diameter: 40mm	Quantity per package, pcs: 80
Mass: 230±5g	Dimension of the box, mm: 520x400x165
Rubber Batons: 3	Total package weight, kg: 20
Mass of the one Baton: 40±2g	
Rubber Baton Hardness: 64 durometer Shore A	
Compatibility: 40mm Grenade Launcher with Smooth Barrel	
Effective Range: 30-60m	
Maximum Range: 120m	
Shelf life: 5 year	

MODEL

IM40CR-3P



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CARTRIDGE RUBBER

Rubber Balls [40mm]

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).

Technical Specification	Packing Details
Height: 123mm	Packing: Carton Box
Diameter: 40mm	Quantity per package, pcs: 80
Mass: 144±5g	Dimension of the box, mm: 520x400x165
Rubber Balls: 32±1	Total package weight, kg: 20
Rubber Baton Hardness: 64 durometer Shore A	
Compatibility: 40mm Grenade Launcher with Smooth Barrel	
Effective Range: approx. 35m	
Maximum Range: 30-60m	
Shelf life: 5 year	

MODEL

IM40CR-RB



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CARTRIDGE RUBBER

3 Rubber Balls [40mm]

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).

Technical Specification	Packing Details
Height: 123mm	Packing: Carton Box
Diameter: 40mm	Quantity per package, pcs: 80
Mass: 230±7g	Dimension of the box, mm: 520x400x165
Rubber Balls: 3	Total package weight, kg: 20
Mass of the one Baton: 40±2g	
Rubber Baton Hardness: 64 durometer Shore A	
Compatibility: 40mm Grenade Launcher with Smooth Barrel	
Effective Range: 30-60m	
Maximum Range: 120m	
Shelf life: 5 year	

MODEL

IM40CR-3B



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CARTRIDGE

Smoke [37/38mm]

MODEL
IM40CS-G

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.

Technical Specification	Packing Details
Height: 123mm	Packing: Carton Box
Diameter: 40mm	Quantity per package, pcs: 80
Mass: 200±5g	Dimension of the box, mm: 520x400x165
Smoke: Green (White, Red, Yellow, Orange, Blue)	Total package weight, kg: 17,1kg
Compatibility: Anti-Riot Gun 40mm	
Range: min 130m	
Smoke emission time: 25±5s	
Shelf life: 5 year	



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 specialists.

CARTRIDGE TEAR GAS

1 Projectile [37/40mm]

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 189± 5g	Dimension of the box, mm: 520x400x165
Chemical weight: 70g	
Active agent: CS	
Active agent mass: 25%	
Compatibility: Anti-Riot Gun 37/38mm & 40mm	
Range: 80-120m, Long range: min. 135m	
Smoke Emission Time: 20-30s	
Shelf life: 5 years	

MODEL

IM37CCS-1P



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 specialists.

CARTRIDGE TEAR GAS

1 Projectile [37/40mm]

MODEL
IM37CCS-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 50m. These rounds rapidly produce contaminated atmosphere infecting temporary incapacitation of rioters. It is compatible with both, 37/38mm and 40mm Anti-Riot Guns.

Technical Specification	Packing Details
Height: 142±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 190±7g	Dimension of the box, mm: 520x400x165
Chemical weight: 50±1g	
Active agent: CS	
Active agent mass: 25%	
Compatibility: Anti-Riot Gun 37/38mm & 40mm	
Range: Penetration Ability through wood and glass from 50m	
Smoke Emission Time:	
Shelf life: 5 years	



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 specialists.

CARTRIDGE TEAR GAS

3 Projectile[37/40mm]

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 195±5g	Dimension of the box, mm: 520x400x165
Chemical weight: 100±1g	
Active agent: CS	
Active agent mass: 25%	
Number of Projectiles: 3	
Compatibility: Anti-Riot Gun 37/38mm & 40mm	
Range: min. 75m	
Smoke Emission Time: 20-30s	
Shelf life: 5 years	

MODEL

IM37CCS-3P



CARTRIDGE TEAR GAS

4 Projectile[37/40mm]

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 208±5g	Dimension of the box, mm: 520x400x165
Chemical weight: 100±2g	Total Package Weight, kg: 18,4
Active agent: CS	
Active agent mass: 25%	
Number of Projectiles: 4	
Compatibility: Anti-Riot Gun or 38mm	
Range: min. 65m	
Smoke Emission Time: 20-30s	
Shelf life: 5 years	

MODEL

IM37CCS-4P



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 specialists.

CARTRIDGE TEAR GAS

BLAST DISPERSION PROJECTILE [37/40mm]

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 126±7g	Dimension of the box, mm: 520x400x165
Chemical weight: 20±25g	
Active agent: CS	
Active agent mass: 10-15g	
Compatibility: Anti-Riot Gun 37/38mm & 40mm	
Range: min. 80m	
Delay Time: 2-3s	
Shelf life: 5 years	



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

MODEL

IM37CCS-BDP



CARTRIDGE MULTI EFFECT

CS Smoke + 1 Bang[37/40mm]

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 167±5g	Dimension of the box, mm: 520x400x165
Chemical weight: 50±5g	Total package weight, kg: 15,2
Active agent: CS	
Active agent mass: 25%	
Compatibility: Anti-Riot Gun 37/38mm	
Range: 80-120m	
Smoke Emission Time: 20-30s	
Sound Intensity: Thunder and Blinding Light	
Shelf life: 5 years	



SAFETY USE:

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

MODEL

IM37CCS-DE



CARTRIDGE RUBBER

1 Projectile [37/40mm]

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).

MODEL

IM37CR-1P

Technical Specification	Packing Details
Height: 125±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 187±5g	Dimension of the box, mm: 520x400x165
Rubber Baton: 01	Gross weight, kg: 17
Baton Hardness: 75±5 durometers	
Compatibility: Anti-Riot Gun 37/38 mm & 40mm	
Effective Range: 50-70m	
Maximum range: 100-130m	
Shelf life: 5 years	



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 specialists.

CARTRIDGE RUBBER

3Projectile[37/40mm]

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).

Technical Specification	Packing Details
Height: 127±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 170±5g	Dimension of the box, mm: 520x400x165
Rubber Baton: 03	Gross weight, kg: 17
Baton Hardness: 75±5 durometers	
Compatibility: Anti-Riot Gun 37/38 mm & 40mm	
Effective Range: 25-30m	
Maximum range: 50-60m	
Shelf life: 5 years	

MODEL

IM37CR-3P



CARTRIDGE RUBBER

Rubber Balls [37/40mm]

MODEL
IM37CR-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).

Technical Specification

Height: 123±1mm

Diameter: 38mm

Mass: 119±5g

Rubber ball hardness: 65 durometers

Number of rubber balls: 24 (24-70pcs according to client request)

Compatibility: Anti-Riot Gun 37/38 mm & 40mm

Effective Range: approx. 30m

Maximum range: 50-60m

Shelf life: 5 years

Packing Details

Packing: Carton Box

Quantity per package, pcs: 80

Dimension of the box, mm: 520x400x165

Gross weight, kg: 12



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 specialists.

CARTRIDGE

Flash & Bang [37/38mm]

MODEL
IM37CFB

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.

Technical Specification	Packing Details
Height: 123mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 220 ± 5g	Dimension of the box, mm: 520x400x165
Sound Intensity: min 120dB	Total package weight, kg: 19,90
Flash Intensity: Blinding Light	
Compatibility: Anti-Riot Gun 38mm and 40mm	
Range: min 70m	
Shelf Life: 5 years	



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



CARTRIDGE

Smoke [37/40mm]

MODEL
IM37CS
G/R/W/B/O/Y

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.

Technical Specification	Packing Details
Height: 123±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 80
Mass: 189±5g	Dimension of the box, mm: 520x400x165
Smoke: Green White, Red, Yellow, Orange, Blue	Total package weight, kg: 17
Compatibility: Anti-Riot Gun 37/38mm	
Range: 80-120m	
Smoke emission time: 20-30s	
Shelf life: 5 year	



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 specialists.

HAND GRENADE

Tear gas

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.v

Technical Specification

Height: 97±1mm

Diameter: 53 mm

Mass: 229±5g

Chemical weight: 105±2g

Active agent: CS

Active agent mass: 25%

Delay: 2-4s

Smoke emission time: 25±5s

Colour of the body: grey, white

Shelf life: 5 years

Packing Details

Packing: Carton Box

Quantity per package, pcs: 40

Dimension of the box, mm: 500x400x165

Total package weight, kg: 10,8kg

MODEL

IM53GCS



HAND GRENADE

Tear gas

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.

Technical Specification	Packing Details
Height: 134mm	Packing: Carton Box
Diameter: 53 mm	Quantity per package: 40pcs
Mass: 433±5g	Dimension of the box: 500x400x165mm
Chemical weight: 200 g	Total package weight: 18,9kg
Active agent: CS	
Active agent mass: 25%	
Delay: 2-4s	
Emission ports: 4 or more	
Smoke emission time: 25±5s	
Colour of the body: grey, white	
Shelf life: 5 years	

MODEL

IM53GCS-1



HAND GRENADE

Tear gas

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.

Technical Specification	Packing Details
Height: 140±1mm	Packing: Carton Box
Diameter: 38mm	Quantity per package, pcs: 40
Mass: 248±10g	Dimension of the box, mm: 500x400x165
Chemical weight: 100±5g (30±3g in each projectile)	Total package weight, kg: 10,8kg
Active agent: CS	
Active agent mass: 25%	
Delay: 2-4s	
Smoke emission time: min 20s (each projectile)	
Colour of the body: grey or black	
Shelf life: 5 years	

MODEL

IM38GCS-3P



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 specialists.

HAND GRENADE

Tear gas [37mm]

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.

Technical Specification

Height: 121mm

Diameter: 37mm

Mass: 205±5g

Active agent: CS

Active agent mass: 25%

Delay: 2-4s

Smoke emission time: 25±5s

Colour of the body: grey, white

Shelf life: 5 years

Packing Details

Packing: Carton Box

Quantity per package, pcs: 80

Dimension of the box, mm: 520x400x165

Total package weight, kg: 17,7kgv

MODEL

IM37GCS



HAND GRENADE

PV

The **IM53GPV** 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.

Technical Specification	Packing Details
Height: 97±1mm	Packing: Carton Box
Diameter: 53 mm	Dimension of the box: 520x400x165mm
Mass: 229±5g	Quantity per package: 40pcs
Chemical weight: 105±2g	Total package weight: 10,8kg
Active agent: PAVA	
Active agent mass: 25 %	
Delay: 2-4s	
Smoke emission time: 25±5s	
Colour of the body: grey, white	
Shelf life: 5 years	

MODEL

IM53GPV



HAND GRENADE

OC

The **IM53GOC** 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.

Technical Specification

Height: 97±1mm

Diameter: 53 mm

Mass: 229±5g

Chemical weight: 105±2g

Active agent: OC (Capsaicin)

Active agent mass: 25 %

Delay: 2-4s

Smoke emission time: 25±5s

Colour of the body: grey, white

Shelf life: 5 years

Packing Details

Packing: Carton Box

Dimension of the box: 520x400x165mm

Quantity per package: 40pcs

Total package weight: 10,8kg

MODEL

IM53GOC



GREENADE STUN

+15 Rubber balls

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.

Technical Specification

Height: 108±2mm

Diameter: 75±2mm

Mass: 130±7g

Delay: 2-4s

Sound intensity: min 120 Db

Number of rubber balls: 15

Rubber balls diameter: 15mm

Shelf life: 5 years

Properties

Outdoor use: YES

Indoor use: NO

Packing Details

Packing: Carton Box

Dimension of the box: 520x400x165mm



SAFETY USE:

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

MODEL

IMGDE -S15RB



GREENADE HAND STUN

Rubber ball body stun + CS powder

MODEL
IMGDE-SCS


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.

Technical Specification	Packing Details
Height: 111±1mm	Packing: Carton Box
Diameter: 75±1mm	Dimension of the box: 520x400x165mm
Mass:147±15g	Quantity per package: 40pcs
Delay: 2-4s	Total package weight: 13,50kg
Active agent: CS	
Active agent mass: 20±0.5g	
Sound intensity: thunder and blinding light	

Shelf life: 5 years

Properties

- Outdoor use: YES
- Indoor use: NO

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



GREENADE HAND STUN

18 Rubber Shrapnel's

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.

Technical Specification	Packing Details
Height: 131±2mm	Packing: Carton Box
Diameter: 56mm	Dimension of the box: 520x400x165mm
Mass: 275±4g	Quantity per package: 40pcs
Delay: 2-4s	Total package weight: 13,50kg
Number of rubber shrapnel's: 18	
Rubber balls diameter: 15mm	
Shelf life: 5 years	

Properties

Outdoor use: YES

Indoor use: NO



SAFETY USE:

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

MODEL

IMGDE-S18RS



HAND GRENADE

MULTI EFFECT

CS powder+stun+100 rubber balls

MODEL

IMGME-SCS100ORB

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.

Technical Specification

Height: 111±1mm

Diameter: 75±2mm

Mass: 190±10g

Delay: 2-4s

Active agent: CS powder

Active agent mass: 10±1g

Sound intensity: min 120 Db

Number of rubber balls: 100

Rubber balls diameter: 8mm

Shelf life: 5 years

Packing Details

Packing: Carton Box

Dimension of the box: 520x400x165mm

Properties

Outdoor use: YES

Indoor use: NO



SAFETY USE:

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



HAND GRENADE

MULTI EFFECT

CS powder+stun+15 rubber balls

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.

MODEL

IMGME-SCS15RB

Technical Specification

Height: 111±1mm

Diameter: 75±2mm

Mass: 186±5g

Delay: 2-4s

Active agent: CS powder

Active agent mass: 20g

Sound intensity: min 120 Db

Number of rubber balls: 15

Rubber balls diameter: 15mm

Shelf life: 5 years

Packing Details

Packing: Carton Box

Dimension of the box: 520x400x165mm

Properties

Outdoor use: YES

Indoor use: NO



SAFETY USE:

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



GRANADE HAND

Flash & Bang

MODEL
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.

Technical Specification	Packing Details
Height: 118mm	Packing: Carton Box
Diameter: 37mm	Quantity per package, pcs: 80
Mass: 135± 5g	Dimension of the box, mm: 520x400x165
Delay: 2-4s	Total Package Weight,kg: 12,4
Sound Intensity: min 120dB	
Flash Intensity: Thunder and Blinding Light	Properites
Body Material: Rubber	Outdoor Use: Yes
Shelf life: 5 years	Indoor Use: No

 **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 specialists.

GRANADE HAND

Stun

MODEL
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.

Technical Specification

Height: 118mm

Diameter: 37mm

Mass: 135± 5g

Delay: 2-4s

Sound Intensity: min 120dB

Body Material: Rubber

Shelf life: 5 years

Packing Details

Packing: Carton Box

Quantity per package, pcs: 80

Dimension of the box, mm: 520x400x165

Total Package Weight,kg: 12,4

Properties

Outdoor Use: Yes

Indoor Use: No



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 specialists.

GRANADE HAND

Flash

MODEL
IMGF

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

Technical Specification	Packing Details
Height: 118mm	Packing: Carton Box
Diameter: 37mm	Quantity per package, pcs: 80
Mass: 135± 5g	Dimension of the box, mm: 520x400x165
Delay: 2-4s	Total Package Weight,kg: 12,4
Flash Intensity: Blinding Light	Properites
Body Material: Rubber	Outdoor Use: Yes
Shelf life: 5 years	Indoor Use: No



 **SAFETY USE:** THROW AT 5 METER DISTANCE FROM SUBJECT.
MAY CAUSE INJURIES AT CLOSE DISTANCE

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GRANADE HAND

Flash & Bang [1 Bang]

MODEL
IMGFB-1B

Technical Specification

Height: max. 115mm

Diameter: 40mm

Mass: 730 ± 5g

Sound Output: 165 ± 5dB

Light Output: 8.000.000cd Nominal

Number of Detonation: 1

Operational Temperature: -52° to +71°

Delay Options: 0.5s or 1s

Shelf life: 5 year

Packing Details

Packing: M2A1

Quantity per package, pcs: 10

Dimension of the box, mm: 306x156x192

Total package weight, kg: 8,35



GRANADE HAND

Flash & Bang [5 Bang]

MODEL
IMGFB-5B

Technical Specification

Height: max. 115mm

Diameter: 40mm

Mass: 565 ± 5g

Sound Output: 165 ± 5dB

Light Output: 8.000.000cd Nominal

Number of Detonation: 5

Operational Temperature: -52° to +71°

Function time from deployment to terminal effect: 3.5s (0.5s delay) or 4.0s (1.0s delay)

Shelf life: 5 year

Packing Details

Packing: M2A1

Quantity per package, pcs: 80

Dimension of the box, mm: 306x156x192

Total package weight, kg: 8,35



GRANADE HAND

Stun [Training Grenade]

MODEL
IMGS-TG

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

Technical Specification	Packing Details
Height: 111 ± 1mm	Packing: Carton Box
Diameter: 75 ± 1mm	Dimension of the box, mm: 502x400x165
Mass: 147 ± 15g	
Active Agent: Inert Powder	Properties
Active Agent Mass: 20 ± 0.5g	Outdoor Use: Yes
Delay: 2-4s	Indoor Use: No
Sound Intensity: Thunder and Blinding Light	
Shelf life: 5 year	



 **SAFETY USE:** THROW AT 5 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 specialists.

HAND GRENADE

Smoke

MODEL
IMGS-Y/O/R/B/G

Technical Specification	Packing Details
Height: 134mm	Packing: Carton Box
Diameter: 53mm	Dimension of the box: 520x400x165mm
Mass: 237-283g*	Quantity per package: 40pcs
Smoke: Blue, green, orange, red and yellow	
Smoke emission time: min 50s	
Colour of the body: grey, RAL 6011	
Delay: 2-4s	
Operational temperature: -20Co - +40Co	
Shelf life: 5 years	

*The mass is determined depending on the smoke emission time



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HAND GRENADE

Smoke

MODEL
IMGS-W

Technical Specification

Height: 134mm

Diameter: 53mm

Mass: 287-383g*

Smoke: White

Smoke emission time: min 50s

Colour of the body: Grey, RAL 6011

Delay: 2-4s

Operational temperature: -20Co - +40Co

Shelf life: 5 years

Packing Details

Packing: Carton Box

Dimension of the box: 520x400x165mm

Quantity per package: 40pcs

*The mass is determined depending on the smoke emission time



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