



PIONKI



**LAW ENFORCEMENT SPECIAL AMMUNITION
SHOTSHELLS LINE**



Fam - Pionki

Hunting Ammunition Factory

Fabryka Amunicji Myśliwskiej Fam Pionki (Hunting Ammunition Factory Fam Pionki) is a renowned Polish company with a wide experience of more than 70 years in manufacturing cartridges for smooth-bore weapons. After the recent proprietary changes, the management and development of the company rests in the hands of a young and dynamic team of managers, whose purpose is to improve the products and conquest subsequent international markets. Modern research facilities and production lines, as well as cooperation of highly qualified technical personnel with external scientific units guarantee that Fam Pionki provides products of the highest quality, designed for both, civilian users, as well as institutional clients in the field of public safety and national security.

Our products have been meeting the high demands of the clients for many years, being an effective coercive measure used during anti-terrorist and anti-bandit operations, as well as against the mob when securing mass events and various types of manifestations turning into acts of hooliganism. We offer a range of technical solutions contained in the 12/70 gauge ammunition of our design, which ensures:

- incapacitation of people, dispersing gatherings and counteracting serious violations of public order with rubber projectiles,
- opening rooms with the use of special powder ammunition, from which the most powerful is Pik Destruktor,
- light or acoustic signalling with warning projectiles.



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Powder ammunition

The profile of our products are cartridges aimed at overcoming obstacles in the form of door locks and hinges, windows, door frames and other technical protections, which constitute architectural and vehicle structural elements. Thanks to the unique design, the cartridges we manufacture provide high effectiveness in efficiently overcoming of technical obstacles, impending dynamic operations of assault squads. The ammo ensures high safety level for persons in the vicinity of the overcome technical elements. We also deliver cartridges which combine the tasks of destroying obstacles with the incapacitating function, through distributing a strong tear chemical agent.



Pik Destruktor

Gauge: 12/70

Shell colour: maroon

Weight: 32g

Velocity $V_{2,5}$: 450 m/s

Energy $E_{k_{2,5}}$: 3220 J



Projectile - a cylindrical, compressed metallic powder charge placed in a polyethylene sabot. The highest effectiveness distance - direct shot near a technical obstacle (from a distance of ca. 5 cm, without contact between the barrel and the overcome technical obstacle).

Applicability at a distance of up to ca. 50m.

Projectiles characterized by very high kinetic energy parameters, designed to destroy technical protections such as doors, hinges, door frames, door cases. After transferring the energy onto the obstacle, the destructive load is pulverized, minimizing the injuries among people in the vicinity.



The highest effectiveness distance - direct shot near a technical obstacle (from a distance of ca. 5 cm, without contact between the barrel and the overcome technical obstacle). Applicability at a distance of up to ca. 35m. The projectiles are characterized by high kinetic energy parameters and are designed to destroy technical protections, such as doors, hinges, door frames and door cases. After transferring the energy onto the obstacle, the destructive charge is pulverized, minimizing the injuries among people in the vicinity.



Pik 94

Gauge: 12/70
Shell colour: green
Weight: 18g
Velocity $V_{2,5}$: 280 m/s
Energy $E_{k_{2,5}}$: 720 J



Pik 94 M

Gauge: 12/70
Shell colour: green
Weight: 18g
Velocity $V_{2,5}$: 360 m/s
Energy $E_{k_{2,5}}$: 1220 J



Pik 98

Gauge: 12/70
Shell colour: green
Weight: 18g
Velocity $V_{2,5}$: 460 m/s
Energy $E_{k_{2,5}}$: 2000 J

The projectile completely loses its energy on the obstacle, dispersing behind it and does not ricochet. Designed for 12 cal. smooth-bore automatic weapons with a 76mm chamber. Applicability at a distance of up to ca. 50m.



Pik Magnum

Gauge: 12/76
Shell colour: green
Weight: 24g
Velocity $V_{2,5}$: 465 m/s
Energy $E_{k_{2,5}}$: 2650 J

The highest effectiveness distance - direct shot near a technical obstacle (from a distance of ca. 5 cm, without contact between the barrel and the overcome technical obstacle). Applicability at a distance of up to ca. 35m. Projectiles characterized by very high kinetic energy parameters, designed to destroy technical protections such as doors, hinges, door frames, door cases, and to incapacitate persons behind obstacles. After transferring the energy onto the obstacle, the destructive load is sprayed, minimizing the injuries among people in the vicinity, inserting an incapacitating CS lachrymatory chemical agent (tear gas) into rooms or vehicles.



CS 94

Gauge: 12/70

Shell colour: yellow

Weight: 18g

Velocity $V_{2,5}$: 280 m/s

Energy $E_{k_{2,5}}$: 720 J



CS 94 M

Gauge: 12/70

Shell colour: yellow

Weight: 18g

Velocity $V_{2,5}$: 360 m/s

Energy $E_{k_{2,5}}$: 1220 J



CS 98

Gauge: 12/70

Shell colour: yellow

Weight: 18g

Velocity $V_{2,5}$: 460 m/s

Energy $E_{k_{2,5}}$: 2000 J

Incapacitating ammunition

Rubber incapacitating ammunition enables safe impact on living targets at certain distances. The result is a painful blow, which does not cause excessive wounds or serious injury.



Chrabaszcz 20 (Beetle 20)

Cartridge designed to incapacitate people at a distance of up to ca. 20m.

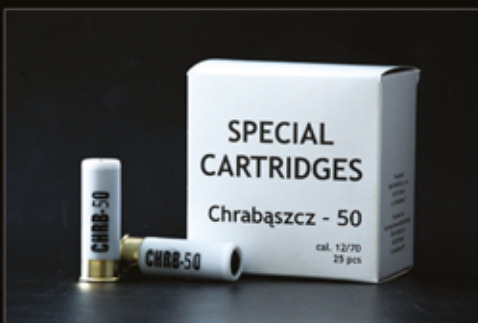
Gauge: 12/70	Weight: 7g
Projectile: rubber piston	Velocity $V_{2,5}$: 140 m/s
Shell colour: white	Energy $E_{k_{2,5}}$: 70 J



Chrabaszcz 30 (Beetle 30)

Cartridge designed to incapacitate people at a distance of up to ca. 30m.

Gauge: 12/70	Weight: 7g
Projectile: rubber piston	Velocity $V_{2,5}$: 185 m/s
Shell colour: white	Energy $E_{k_{2,5}}$: 120 J



Chrabaszcz 50 (Beetle 50)

Cartridge designed to incapacitate people at a distance of up to ca. 50m.

Gauge: 12/70	Weight: 10g
Projectile: rubber piston	Velocity $V_{2,5}$: 170 m/s
Shell colour: white	Energy $E_{k_{2,5}}$: 140 J

Apart from the code description on the shell, the "Chrabaszcz" cartridges have markings enabling manual identification of the cartridge type through protrusions placed on the face plane of the projectiles. Respectively, Chrabaszcz 20 - one, Chrabaszcz 30 - two, Chrabaszcz 50 - three.



Rój (Swarm)

This cartridge type enables firing projectiles at several people at once, which is necessary when warding off an attack of a compact group of enemies.

Gauge: 12/70	Weight: 6g
Projectile: 15 rubber balls	Velocity $V_{2,5}$: 280 m/s
Shell colour: white	Energy $E_{k_{2,5}}$: 235 J



Bąk (Gadfly)

Gauge: 12/70	Weight: 4,5g
Projectile: 1 rubber ball	Velocity $V_{2,5}$: 165 m/s
Shell colour: white	Energy $E_{k_{2,5}}$: 62 J

Combat ammunition

Another product group are highly-effective combat cartridges, designed for immediate incapacitation - elimination of a threat coming from persons. Cartridges characterized by high kinetic energy, are also effective during interim breaking of technical protections or stopping vehicles by damaging the drive elements.



LFT 6,8

Gauge: 12/70

Projectile: 12 lead balls with a diameter of 6.8mm

Shell colour: blue

Weight: 24g

Velocity $V_{2,5}$: 468 m/s

Energy $E_{k_{2,5}}$: 263 J

Ammunition specifically addressed to immediate incapacitation - elimination of threats coming from an attacker standing at a distance of up to ca. 50m



W8 MP

Gauge: 12/70

Projectile: hollow lead cylinder

Shell colour: red

Weight: 29,5g

Velocity $V_{2,5}$: 350 m/s

Energy $E_{k_{2,5}}$: 1800 J

Distance of the highest effectiveness and accuracy of a weapon fitted with a cylindrical barrel, up to ca. 50m.



Sak Super Sabot

Gauge: 12/70

Projectile: Brenneke in a plastic sabot

Shell colour: black

Weight: 31,8g

Velocity $V_{2,5}$: 440 m/s

Energy $E_{k_{2,5}}$: 3075 J

Distance of the highest effectiveness and accuracy of a weapon fitted with a cylindrical barrel, up to ca. 100m. A combat cartridge characterized by particularly high accuracy and kinetic energy parameters, designed for immediate incapacitation - elimination of threats coming from an attacker, standing at a distance of up to ca. 100 m.



ONS 2000

Flash bang cartridge, projectile-free structure. Ammunition used for warning and training purposes, can also be used to flush out game or wildfowl in areas under special protection. The pyrotechnic charge ensures detonation with a force of the sound wave of ca. 115 dB.

The shot audibility effect distance is ca. 1000 m.
Gauge: 12/70.

In consultation with the buyer, we are able to design and manufacture the a/m cartridge models according to an individual order, adapting the energetic parameters, shell colour, code markings and the projectile colour.

Note!!!

The users set their own principles and instructions for using the above cartridges, depending on their needs and applicable legal framework.



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