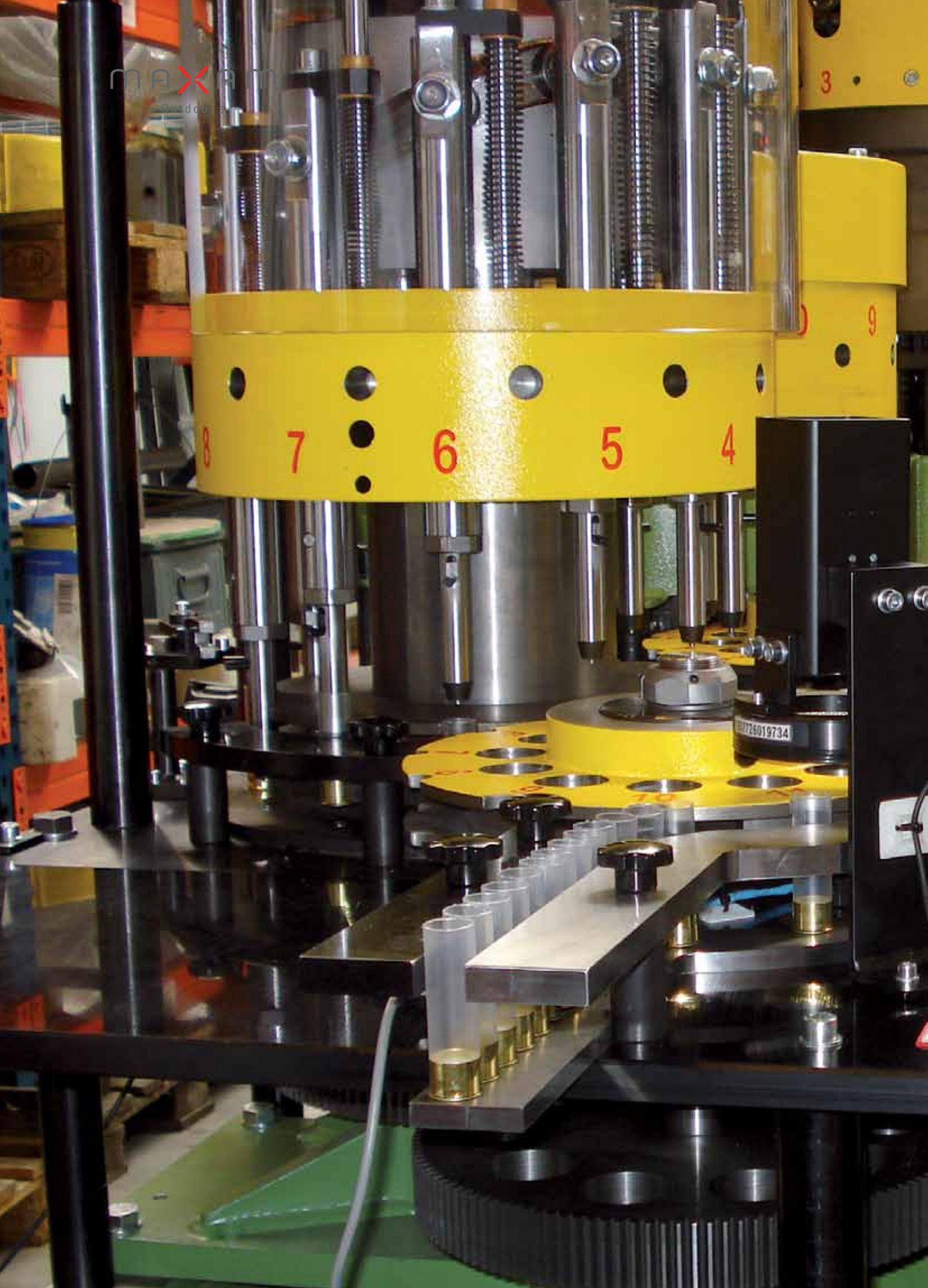




## Components Catalog







MAXAM Outdoors has been the world leader in the development, manufacturing and commercialization of sports ammunition and hunting powders since 1896.

More than 100 years of history guarantee our wide range of products. Millions of shooters and hunters all over the world count on an ammunition that is both high performing and completely trustworthy thanks to MAXAM Outdoors.

All our activity is ever respectful for the environment and nature. Our products come with a commitment to the conservation and preservation of the environment for future generations. MAXAM Outdoors is best placed in an activity in which wealth, growth and development are being generated in many areas throughout the world.

maxam



# Wads

MAXAM uses the best raw materials and an advanced treatment procedure to maintain perfect plasticity of its wads in order to obtain the best results in any shooting discipline achieving the following set of qualities:

- Softens recoil.
- Different shooting patterns spanning from the biggest spreads to high concentration levels.
- Ideal point of collapse.
- Guarantees sealing of gases for optimal compression rate.



MODEL	A28	A24	A21	A19
Calibre	12	12	12	12
Load	24	28	32-34	36
Case length	70	67-70	67-70	67-70
Wad length	43	44	40	37
Packaging	4000	4000	4000	4000



# Shot

With its important experience, MAXAM Outdoors has developed, with the means of the highest technologies, production methods that guarantee the perfect uniformity and spherical shape of its shot in order to obtain the best ballistic results and patterns.



11



10



9



8



7,5



7



6



5



4



3



BUCKSHOT



STEEL

MODEL	Dureza
Standard	10-15 vickers
Extrahard	15-18 vickers
Extrahard 2.5	18-20 vickers
Magnum	> 22 vickers

# Primers

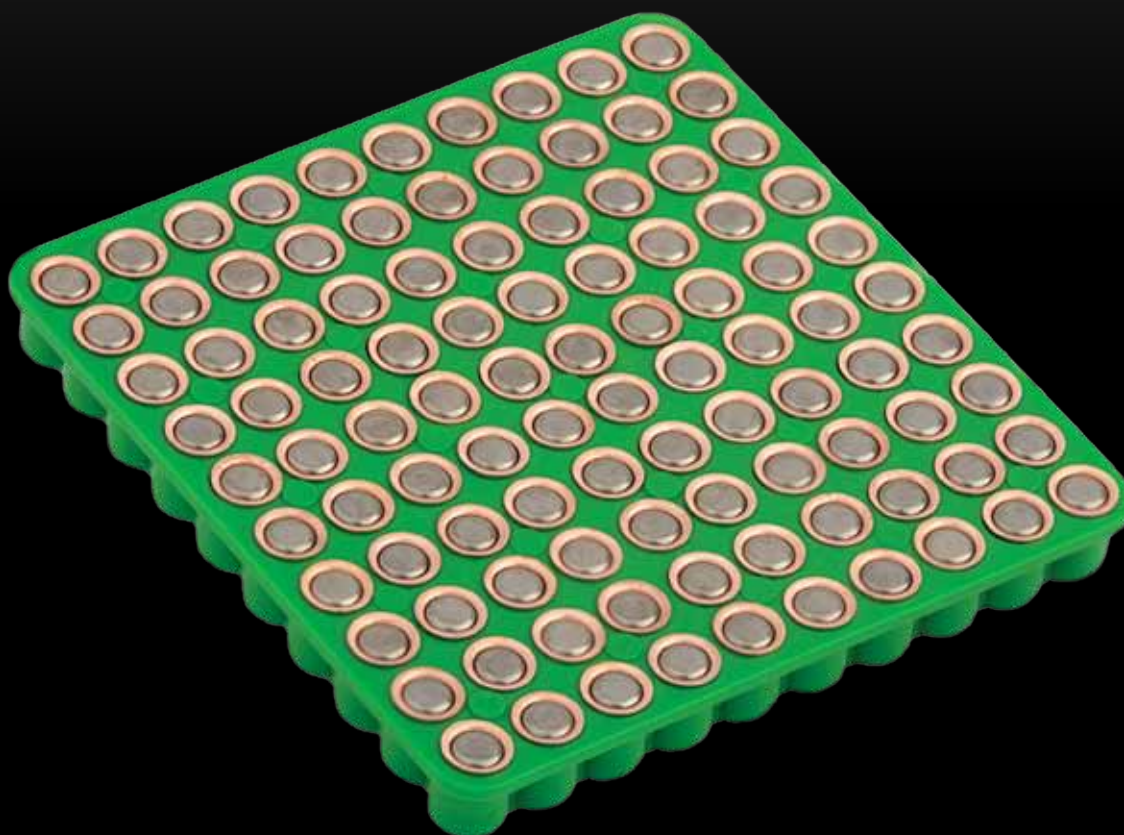
MAXAM Outdoors has devoted great efforts in the research and development of our 209 type primers.

At the outset, no primer in the market can compete in terms of consistency and sensitivity. This is the fruit of our continuous inspection of all components before and during the assembly process.

In continuation, the units coming off the production line are all subject to extensive inspections to ensure that the perfect quantities of explosive mixture are distributed as well as the faultless arrangement of all inner components. The finished product is then tested for sensitivity, power, temperature and pressure.

Furthermore, the composition of the explosive mixture has been fine tuned in our laboratories to perform optimally in various climatic conditions with many powders available on the market and without leaving residues after shooting.

Finally, our primers benefit from the highest homogeneity rates of the explosive mixture which results in a safer, more stable product and guarantees a fully proved regularity in the ignition of all primers.

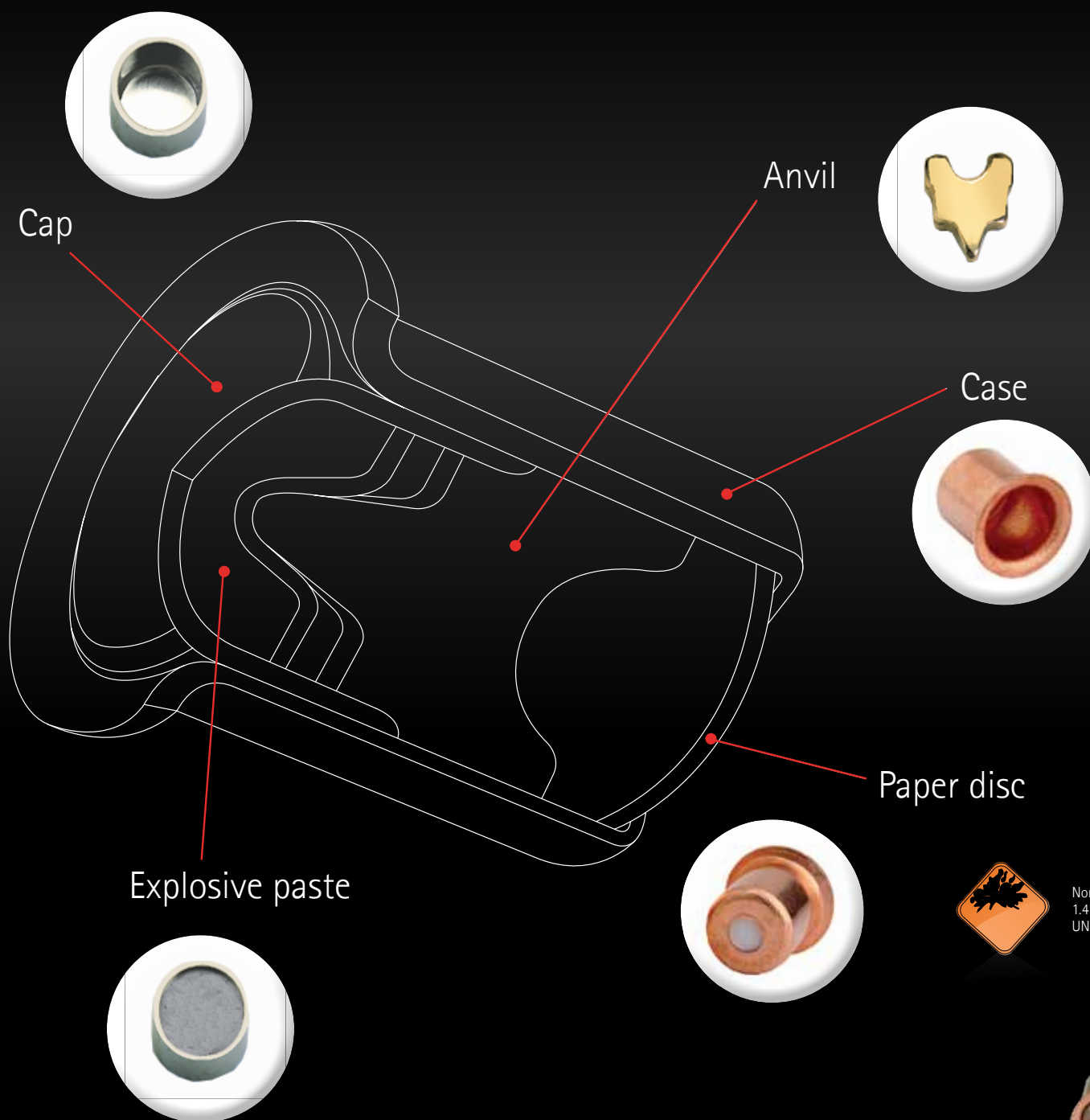


## Packaging

Tray: 600 units

Box: 16.800 units

Pallet: 537.600 units



Nomenclature  
1.4 S  
UN number: 0044



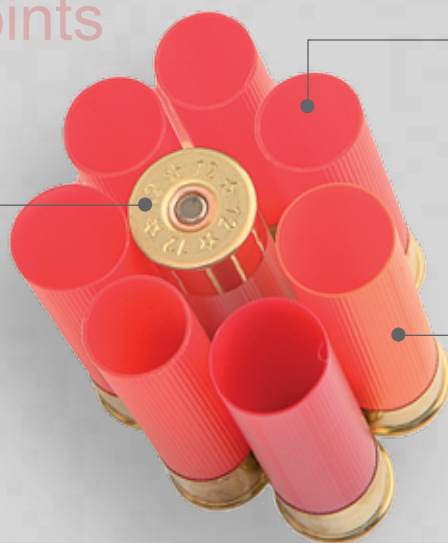


# Shotshell Cases

MAXAM Outdoors shotshell cases conform to strict quality criteria to answer the most demanding needs of manufacturers and individual loaders. From the production of the plastic tube, to the primers, MAXAM Outdoors applies the most recent technologies to reach the highest levels of regularity in manufacturing. Each and every component is perfectly traceable, complying with the exacting criteria of international norms (SAAMI and CIP) and customers.

## General key points

Specially conceived primer receptacle to achieve a reinforced and regular positioning with high sensitivity in all types of firearms.



High precision milling and perfectly beveled top edge to guarantee regular and symmetric crimp closure of the cartridge.

Exhaustive dimensional examinations of the tube for regularity and ease of loading.

Plastic tube manufactured from high density polyethylene which goes through a thermo mechanical and bi-directional (axial and radial) process.

Excellent elasticity of tube for sealing the cartridge while maintaining outstanding mechanical resistance.



- 100% of our primer units are tested for exact doses of explosive mixture and perfect positioning of inner components to obtain extreme levels of regularity.
- Primer explosive mixture with a high rate of compaction for increased security during manipulation.
- Chemical blend developed in house for an explosive mixture which delivers an optimal burn of many different powders without leaving residues.
- Unique protective membrane to avoid undesirable ignition of powder.



- Exceptional mechanical properties of the high density polyethylene base wad which contributes to the high resistance to separation of the tube and the base.
- Precise design of the base wad for a perfect assemblage of the shell.



- Brass head produced by the means of a progressive high precision stamping process resulting in a perfect chambering of the cartridge.
- Base head with extraordinary mechanical resistance able to endure high pressures and guaranteeing strength of the shell.
- Special chemical treatment to protect the head against corrosion and give a spectacular shiny finish.



Length mm	 10 Brass	 12 Brass	 16 Brass	 25 Brass	 25 Nickel plated
65	 12	 12	 12	 12	
67	 12	 12  16  20	 12  16  20	 12	 12
70	 12	 12  16  20	 12  16  20	 12	 12
76				 12	 12

Packaging

GAUGE	12				
Base	10	12	16	25	25
Length	65-67-70	65-67-70	65-67-70	70	76
Quantity	2000	2000	2000	2000	1800

GAUGE	16		20	
Base	16	12	16	12
Length	67-70	67-70	67-70	67-70
Quantity	2400	2400	2500	2500



Nomenclature  
1.4 S  
UN number: 0055

Shotshell case colors



COLORS*	Burgundy	Brown	Metal Blue	Red	Grey	Green	Orange	Transparent	Blue	Yellow	Black
CALIBRE	12	12	12	12 / 16	12	12	12	12 / 16	12	12 / 20	12

\* More colors available

MAXAM Outdoors prides itself in offering the best smokeless propellants on the market. Every batch of commercial powder is subjected to stringent quality control in order to verify physical, chemical and ballistic characteristics so that the expected speed and pressure are always obtained. Our powders are single-based propellant explosives manufactured from high nitrogen content nitrocellulose which has been properly gelled and stabilized.

The product range divides itself between CSB, PSB and SSB powders. Our traditional PSB and modern CSB powder ranges are characterized by their regularity and precision. The new SSB powder, a product developed specifically for cartridges containing steel shot, excels in the humidity and temperature conditions characteristic of waterfowl hunting.

## CSB Powder

### physical characteristics



CSB 0

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	32	2.05	387	661
28/70		21	1.35	395	650

Shape: sphere Color: grey Dimension: 1 mm Thickness: 0.3 mm Density: 660



CSB 1P

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	34	1.78	400	600
20/70		25	1.35	405	600

Shape: sphere Color: grey Dimension: 1.7 mm Thickness: 0.3 mm Density: 510



CSB 1

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	32	1.72	405	600
16/70		28	1.35	405	600
20/70		24	1.30	405	600

Shape: sphere Color: grey Dimension: 1.7 mm Thickness: 0.3 mm Density: 520



CSB 2

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	36	1.85	400	650
36/50		9	0.50	395	650
36/60		11	0.70	395	650

Shape: sphere Color: pink Dimension: 1.7 mm Thickness: 0.3 mm Density: 540



CSB 3

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	30	1.65	410	600
16/70		24 (Buckshot)	1.40	410	600
20/70		22 (Buckshot)	1.22	410	600
32/65		14	0.82	405	600

Shape: sphere Color: green Dimension: 1.7 mm Thickness: 0.3 mm Density: 510



CSB 4

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	28	1.5	411	577

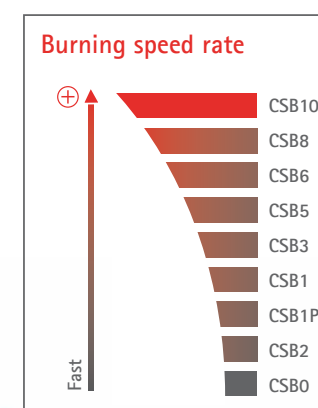
Shape: sphere Color: black Dimension: 1.7 mm Thickness: 0.3 mm Density: 500




CSB 5

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	28	1.4	400	650
28/65		15	0.82	405	600

Shape: sphere Color: grey Dimension: 1.7 mm Thickness: 0.3 mm Density: 490



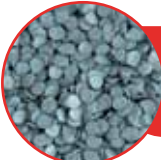
Nomenclature  
1.3 C  
UN number: 0161



CSB 6

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	24	1.25	410	600

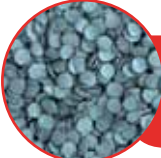
Shape: sphere   Color: green   Dimension: 1.7 mm   Thickness: 0.3 mm   Density: 470



CSB 8

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	28	0.85	325	600

Shape: sphere   Color: blue   Dimension: 1.4 mm   Thickness: 0.3 mm   Density: 390




CSB 10

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	24	0.75	325	600

Shape: sphere   Color: blue   Dimension: 1.4 mm   Thickness: 0.3 mm   Density: 340

## PSB Powder


### physical characteristics



PSB 1

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	32	1.75	405	550

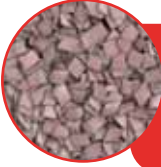
Shape: square   Color: grey   Dimension: 1.9x1.9 mm   Thickness: 0.24 mm   Density: 525



PSB 2

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	36	1.85	400	600


Shape: square   Color: pink   Dimension: 1.9x1.9 mm   Thickness: 0.24 mm   Density: 550



PSB 2 SP

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	38	2	395	700
20/70		28	1.50	400	600


Shape: square   Color: pink   Dimension: 1.9x1.9 mm   Thickness: 0.24 mm   Density: 560



PSB 3

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	32	1.65	410	600

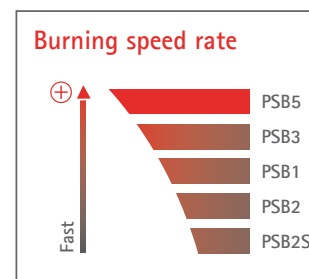
Shape: square   Color: green   Dimension: 1.9x1.9 mm   Thickness: 0.24 mm   Density: 500



PSB 5

Calibre	Primer	Projectile load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	28	1.38	400	600

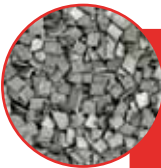
Shape: square   Color: grey   Dimension: 1.9x1.9 mm   Thickness: 0.24 mm   Density: 475



## SSB Powder

"For steel loads"

### physical characteristics



SSB 150

Calibre	Primer	Steel load (gr.)	Powder load (gr.)	Velocity (m/s)	Pressure (bar)
12	G-209	32	2.05	415	600
12		36	2	400	650
12		42	2.2	390	650
20		24	1.32	375	600
28		21	1.29	396	634
36		19	0.78	344	1015

Shape: square   Color: black   Dimension: 1.3x1.3 mm   Thickness: 0.24 mm   Density: 550



Nomenclature  
1.3 C  
UN number: 0161







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