



**GREENSHIELD®**  
LEAD-FREE/NON-TOXIC  
FRANGIBLE AMMUNITION



COMPONENTS	.38SPL	9 x 19 mm	.40S&W	.45ACP	5.56 x 45 mm .223 Remington	
<b>Projectile mass</b>	5.35 g (82 grains)	5.35 g (82 grains)	7.0 g (108 grains)	8.2 g (125 grains)	2.3 g (36 grains)	
<b>Projectile material</b>	Copper/polymer compound					
<b>Cartridge case</b>	Copper alloy 260 (ASTM B19)					
<b>Primer</b>	Lead-free/non-toxic, boxer				Non-toxic, boxer	
<b>Propellant</b>	Single or double-base smokeless powder					
<b>BALLISTIC DATA (fixed test barrel)</b>						
<b>Chamber pressure at 21°C (70°F)</b>	SAAMI spec. for .38SPL	SAAMI spec. for 9 mm Luger	SAAMI spec. for .40S&W	SAAMI spec. for .45ACP	SAAMI spec for .223 Rem and NATO spec. for 5.56 mm	
<b>Velocity at 21°C (70°F)</b>	420-450 m/s at 4.5 m (1,380-1,480 ft./s at 15 ft.)	410-450 m/s at 4.5 m (1,350-1,480 ft./s at 15 ft.)	390-420 m/s at 4.5 m (1,280-1,380 ft./s at 15 ft.)	360-390 m/s at 4.5 m (1,180-1,280 ft./s at 15 ft.)	1,000-1,040 m/s at 24 m (3,280-3,410 ft./s at 80 ft.)	
<b>Accuracy</b>	7.5 cm (3 in.) extreme spread at 23 m (25 yd.) or better as per SAAMI standard testing procedures				3.75 cm (1.5 in.) mean radius at 100 m (320 ft.) as per NATO standard testing procedures Meets NATO standards for ball ammunition up to 100-200 m (320-640 ft.)	
<b>Maximum range (normal conditions)</b>	1,150 m (1,258 yards) estimated				1,550 m (1,695 yards) radar measurement	
<b>Trajectory match</b>	Same mean point of impact as ball round up to 25 m (80 ft.)	Same mean point of impact as ball round up to 25 m (80 ft.)	Same mean point of impact as ball round up to 25 m (80 ft.)	Same mean point of impact as ball round up to 25 m (80 ft.)	Same mean point of impact as ball round up to 100 m (320 ft.)	
<b>TERMINAL EFFECTS</b>						
<b>Frangibility</b>	Does not perforate 6.4 mm (1/4 in.) thick mild steel plate at point blank range (1/4 in. armour plate or 3/8 in. mild steel recommended for training)				Does not perforate 9.5 mm (3/8 in.) thick armour steel plate at point blank range (1/2 in. armour plate recommended for training)	
<b>10% gelatin penetration at 13.8 m (15 yd.)</b>	16 in. approx.	16 in. approx.	N/A	N/A	9 in.	
<b>Ricochet</b>	None Projectile disintegrates on 6.4 mm (1/4 in.) mild steel at 15° oblique firing at 10 m (33 ft.)				None Projectile disintegrates on 9.5 mm (3/8 in.) armoured steel at 15° oblique firing at 10 m (33 ft.)	
<b>Maximum splashback</b>	60 cm (18 in.) firing perpendicular to the plate					
<b>USE</b>						
<b>General</b>	For most .38SPL and .357 Magnum revolvers without any modifications or ancillary device (list available)	For most 9 mm pistols and submachine guns without any modifications or ancillary device (list available)	For most .40S&W pistols and submachine guns without any modifications or ancillary device (list available)	For most .45ACP pistols and submachine guns without any modifications or ancillary device (list available)	For use in gas-operated weapons without any modifications or ancillary device (list available)	
<b>Operational temperature range</b>	-29 to +52°C (-20 to +125°F)				0 to 40°C (32 to 105°F)	
<b>Handling</b>	Requires the same handling and safety precautions as with service ammunition					
<b>Firing mode</b>	Not applicable	Single shot, burst, full automatic				

Dimensions and weights are nominal.  
US Patent 5,237,930



Quality System SNC TEC Registered  
(Le Gardeur - St-Augustin - Nicolet) ISO 9001 (2000)

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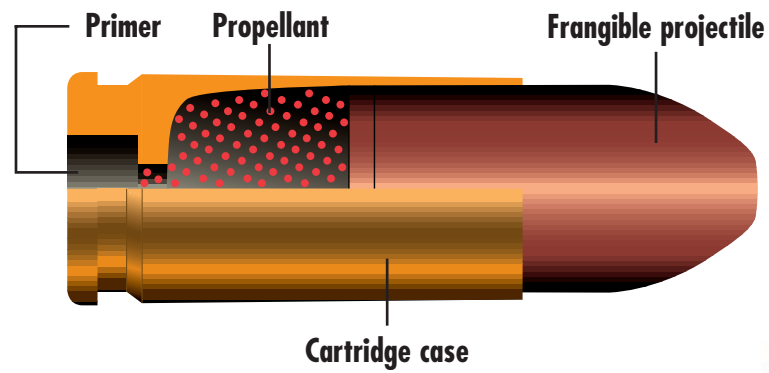
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# Training FOR THE REAL WORLD™



**GREENSHIELD®**  
LEAD-FREE/NON-TOXIC  
FRANGIBLE AMMUNITION





## Targeting safer surroundings

### ...with **Greenshield®** frangible, lead-free/non-toxic ammunition

Leaded ammunition and toxic primers result in contaminated and hazardous training ranges, presenting a health risk to personnel.

**Greenshield®** frangible cartridges are designed to reduce health and safety hazards by providing a safe alternative whose lead-free/non-toxic primer eliminates exposure to lead and heavy metals.

Its polymer projectile disintegrates into powder on impact with steel targets or backstop materials, virtually eliminating ricochet and splashback.

## Advantages

- No weapon modification required
- Non-toxic bullet
- Lead-free/non-toxic primer
- Striking accuracy at normal firing distances
- Reduced safety/danger zones
- Identical recoil and function of duty ammunition
- Reduced barrel wear
- Significant savings in range construction and maintenance

## Applications

- Training
  - Training in indoor ranges
  - Training in enclosed spaces
  - Close-range shooting drills using steel targets
  - Training in MOUT or FIBUA buildings
- Operational
  - Unrestricted use as duty ammunition
  - Duty ammunition for SWAT teams and other emergency response units

### NON-TOXIC BULLET



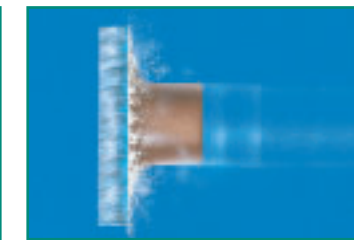
Polymer bullet

### NO RICOCHET!



Breaks up even at oblique angles

### NO SPLASHBACK!



No fragments back at shooter

### NO BULLET!



Just an inert dust residue

## Storage and Warranty

**Greenshield®** frangible cartridges must be kept in a cool dry place. With proper storage, this ammunition has a guaranteed shelf life of three years.

## Safety Notice

**IMPROPER USE CAN CAUSE SERIOUS INJURY OR DEATH.**

This product requires the same firearm handling precautions as regular ammunition. Use only in firearms in good condition. Keep barrel free of any obstructions. Use only in firearms originally chambered for the appropriate calibre, as indicated on the barrel. If the gun fails to fire, avoid exposure to the breech when unloading and point the muzzle in a safe direction. Wear approved eye protection. Wear proper hearing protection as repeated exposure to gunfire can damage hearing. The manufacturer shall not be liable for injuries or damage resulting from the use of this ammunition.

**KEEP OUT OF REACH OF CHILDREN.**