

ALWAYS
ON target®

5.56MM AND 9MM GREENSHIELD®

TARGETING SAFER SURROUNDINGS

FRANGIBLE TRAINING CARTRIDGE



General Dynamics is the world leader in safe and realistic training solutions. The GreenShield® cartridge is known as the best frangible training ammunition worldwide. The patented polymer projectile disintegrates into powder upon impact with hard surfaces such as steel targets or backstop materials, virtually eliminating ricochet and splashback. The GreenShield® cartridge is truly a safe alternative to any other training rounds.

THE GREENSHIELD® CARTRIDGE HAS MANY IMPRESSIVE FEATURES

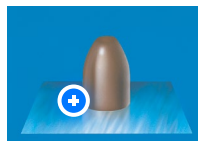
- > Non-toxic cartridge (primer and projectile) eliminating health risk to personnel
- > Equivalent accuracy and ballistic match with duty ammunition at tactical ranges
- > Identical noise level, recoil and function of duty ammunition
- > Reduced safety/danger zones
- > Reduced barrel wear
- > No weapon modification required
- > Significant savings in range construction and maintenance

THE GREENSHIELD® CARTRIDGE IS IDEAL FOR TRAINING

- > Indoor or Outdoor Ranges
- > Enclosed spaces
- > Close-range shooting drills using steel targets
- > MOUT or FIBUA buildings

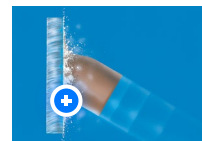


NON-TOXIC BULLET



Polymer Bullet

NO RICOCHET



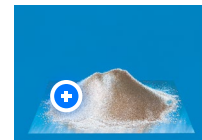
Breaks up even at oblique angles

NO SPLASHBACK



No fragments back at shooter

NO BULLET



Just an inert dust residue



COMPONENTS	5.56MM x 45MM	9MM x 19MM
Projectile mass*	2.9g (45 grains)	6.5g (100 grains)
Projectile material	Copper/Nylon compound	Copper/Nylon compound
Cartridge case	Copper alloy 260 (ASTM B19)	Copper alloy 260 (ASTM B19)
Primer	Boxer type TOXFREE® primer	Boxer type TOXFREE® primer
Propellant	Single or double-base smokeless powder	Single or double-base smokeless powder
BALLISTIC DATA* (FIXED TEST BARREL)		
Maximum range	1,500m (1,750yd) estimated	1,500m (1,750yd) estimated
Trajectory match	Less than 10cm difference to MPI at 100m (328ft) vs ball	Same mean point of impact as ball round up to 25m (80ft)
Accuracy	10.2cm (4in) extreme spread at 100m (109yd) or better	12.7cm (5in) extreme spread at 23m (25yd) or better as per SAAMI standard testing procedures
Velocity at 21°C (70°F)	950m/s (nominal) at 24m (3,116ft/s at 78ft)	380m/s (nominal) at 16m (1,195ft/s at 15ft)
Chamber pressure at 21°C (70°F)	Meets both SAAMI and NATO spec.	Meets SAAMI spec.
TERMINAL EFFECT*		
Frangibility	Does not perforate 9.5mm (3/8in) thick armored steel plate at 50cm	Does not perforate 6.4mm (1/4in) thick mild steel plate at 5m from the muzzle
Ricochet / Splashback	None - Projectile disintegrates on 9.5mm (3/8in) mild steel at 15° oblique firing at 10m (33ft)	61cm (24in) firing perpendicular to the plate
USE		
General	For most 5.56mm rifles and carbines without any modifications or ancillary device	For most 9mm pistols and submachine guns without any modifications or ancillary device
Operational temperature range	-20° to 40°C (-4° to 104°F)	-29° to 52°C (-20° to 125°F)
Handling	Requires the same handling and safety precautions as with service ammunition	Requires the same handling and safety precautions as with service ammunition
Firing modes	Single shot, burst and fully-automatic	Single shot, burst and fully-automatic
STORAGE		
Recommended storage	Cool, dry environment, 25°C (77°F) max.	Cool, dry environment, 25°C (77°F) max.
Shelf life	5+ years	5+ years
Warranty	One year	One year

* Dimensions, weights and velocities are nominal. Values are dependent on type of weapon, barrel length, rifling, cleanliness, etc.

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