



Range Systems has been an industry-leading solution provider of live fire facilities since 1994. Our team has an extensive history of engineering, fabricating and installing superior performing Granular rubber traps worldwide. We have set the standard for range safety, unique capabilities and unmatched ballistic performance within our bullet trap solutions.

At Range Systems, we understand that every project is unique and requires thoughtful planning and consideration. Through decades of experience our team is ready to work with you in selecting the right model and size of Gran-Trap to meet your needs.



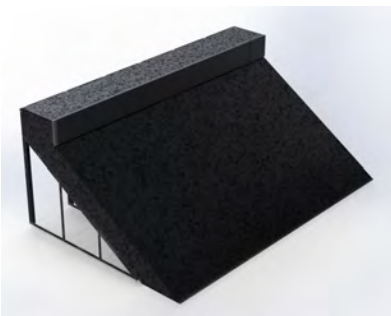
Product Overview

The Encapsulator™ Gran-Trap bullet trap is a rifle rated bullet trap that is constructed of a sloped, corrugated steel plate bed filled with granulated rubber media. The trap can be designed with or without a Hopper. A self-feeding hopper located above the target region of the trap replenishes the granulated rubber material in the target area to provide a consistent depth for the best operational performance. The absence of a self-feeding “hopper” allows the trap to be used when the ceiling height does not permit.

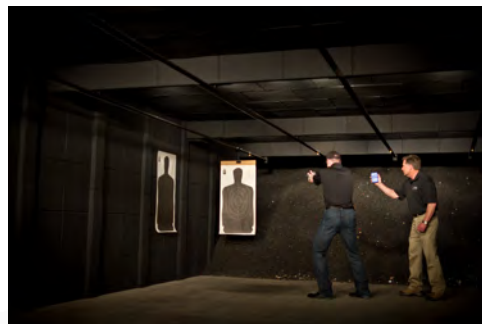
Key Features

- Range Systems Encapsulator™ Gran-Trap safely stops and captures rounds intact with virtually no lead dust or bullet fragmentation. This allows shooters to advance downrange and engage targets at extremely close distances, even at acute angles with no concern of ricochet or back-spatter. This provides a safer, cleaner, and quieter range environment when compared to steel bullet traps.
- The Encapsulator™ Gran-Trap is free of moving parts and does not require dust and lead collection systems or integrated air barrier systems. It is therefore less expensive than a steel trap alternative with minimal maintenance requirements.
- The Gran-Trap can be designed to handle rounds all the way to .50 caliber, all models will handle rounds up to 7.62/3.08 and all hand gun rounds.

Hopper Gran-Trap



Close Range Shooting



Hopperless Gran-Trap





Benefits

- Lower acquisition and maintenance cost versus steel traps
- Provides a cleaner range environment
- Ideal for high volume range use
- Safely captures rounds fired at close range or at any angle
- Bullets remain virtually intact, thus reducing lead dust
- Significantly lowers bullet impact noise in the range
- No moving parts eliminates potential of mechanical failure
- Requires no power to operate
- Class A fire rating can be achieved by applying a paint additive called RG-45



Specifications

Encapsulator Grantrap as manufactured by Range Systems for capturing jacketed, semi-jacketed and non-jacketed, shot and slug projectiles with velocities 600 feet per second (FPS) or greater.

- 18" depth traps handle up to .308/7.62, 24" depth traps up to .338, and 32" depth traps up to .50 cal. Gran-Trap captures projectiles fired from oblique angles and point-blank range without back-splatter or ricochet.
- Tracer or incendiary rounds are NOT permitted.
- Trap Assembly includes a support frame inclined relative to the direction of incoming projectiles.
- Support frame includes an inclined support surface fabricated from 10 gauge steel and supported by a steel truss structure arranged and configured to properly support the granular rubber media.
- Proprietary sized and shaped rubber granulate material fills the area within the support frame.
- A hopper located above the target region of the trap provides a supplemental volume of rubber granulate to maintain a constant depth of material. The front facing of the hopper is constructed of AR500 steel and covered with 2 inch (51 mm) thick Dura-Panel rubber to provide ballistic protection and capture errant shots. To accommodate lower ceiling height, trap assembly will be complete without hopper components.

Designed for indoor or outdoor firing ranges

