Short Stop® short-range training ammunition (SRTA) rounds are designed for use on ranges where ricochet and conventional ammunition safety templates present a problem. The unique design of the Short Stop® bullet allows it to match the accuracy of conventional ammunition at 100 m, while reducing maximum range under 600 m. All Short Stop® cartridges feature frangible copper-polymer blend projectiles, which reduces significantly the danger of ricochet and splashback while eliminating environmental contamination.

Type classified M973 - Approved for use DOD US Mil.

Features and advantages:

- Lead free projectiles
- Reduces ricochet and splashback
- Reduces damage on steel targets
- Greatly reduces safety/danger zone
- Provides greater training flexibility
- Decreased damage to range infrastructure and targets
- Accuracy and ballistic match to conventional ammunition at 100 m
- Same recoil, noise level and function as conventional ammunition
- Reduces range set-up/maintenance costs
- Surface danger area reduced to approximately 1% when compared to conventional ball munitions
- No weapon modification required
- Available clipped or linked and with or without blue colored tip

Applications:

- Allows for training with rifle calibers (5.56mm, 7.62mm) on pistol ranges
- Training in ranges with greatly reduced safety templates
- Training in indoor ranges where reduced ricochet and splashback is critical

Shown above - 5.56mm SRTA impacts on steel target. Projectiles are designed to yaw, thus reducing range and terminal effects.
## COMPONENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>5.56 x 45 mm</th>
<th>7.62 x 51 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projectile mass</td>
<td>2.25 g (35 grains)</td>
<td>4 grams (62 grains)</td>
</tr>
<tr>
<td>Projectile material</td>
<td>Copper/nylon frangible compound; Projectile may come with or without colored blue tip</td>
<td>Copper/nylon frangible compound</td>
</tr>
<tr>
<td>Cartridge case</td>
<td>Brass (copper alloy 70/30)</td>
<td>Brass (copper alloy 70/30)</td>
</tr>
<tr>
<td>Primer</td>
<td>Boxer type</td>
<td>Boxer type</td>
</tr>
<tr>
<td>Propellant</td>
<td>Double-base smokeless powder</td>
<td>Double-base smokeless powder</td>
</tr>
</tbody>
</table>

## BALLISTIC DATA (fixed test barrel)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>5.56 x 45 mm</th>
<th>7.62 x 51 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum range</td>
<td>600 m (1,970 ft.)</td>
<td>600 m (1,970 ft.)</td>
</tr>
<tr>
<td>Ballistic match</td>
<td>Less than 20 cm difference to MPI at 100 m vs conventional ball (+ or − 2 mil)</td>
<td>Less than 10 cm difference to MPI at 100 m (330 ft.) vs conventional ball (+ or − 1 mil)</td>
</tr>
<tr>
<td>Accuracy (mean radius)</td>
<td>Less than 10 cm (4 in.) mean radius at 100 m (328 ft.)</td>
<td>Less than 8 cm (3 in.) mean radius at 100 m (328 ft.)</td>
</tr>
<tr>
<td>Velocity at 21° C (70° F)</td>
<td>820 m/s (2,690 ft./s) at 24 m (80 ft.)</td>
<td>800 m/s (2,625 ft./s) at 24 m (80 ft.)</td>
</tr>
<tr>
<td>Chamber pressure at 21° C (70° F)</td>
<td>252 MPA (36,550 Psi)</td>
<td>185 MPA (26,835 psi)</td>
</tr>
</tbody>
</table>

## TERMINAL EFFECT

<table>
<thead>
<tr>
<th>Effect</th>
<th>5.56 x 45 mm</th>
<th>7.62 x 51 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frangibility</td>
<td>The projectile breaks up and does not perforate a 6.4 mm thick (1/4 in.) armored steel plate (AR500) when fired perpendicularly at 10 m (33 ft.)</td>
<td>The projectile breaks up and does not perforate a 6.4 mm thick (1/4 in.) armored steel plate (AR500) when fired perpendicularly at 10 m (33 ft.)</td>
</tr>
<tr>
<td>No splashback at 1.2 m (48&quot;) from target</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

## USE

<table>
<thead>
<tr>
<th>Use</th>
<th>5.56 x 45 mm</th>
<th>7.62 x 51 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>For use in bolt-action and gas-operated weapons without any modification</td>
<td>For use in bolt-action and gas-operated weapons without any modification</td>
</tr>
<tr>
<td>Handling</td>
<td>This lethal frangible ammunition requires the same handling and safety precautions as with service ammunition</td>
<td>This lethal frangible ammunition requires the same handling and safety precautions as with service ammunition</td>
</tr>
<tr>
<td>Firing modes</td>
<td>Single shot, burst and fully-automatic</td>
<td>Single shot, burst and fully-automatic</td>
</tr>
<tr>
<td>Noise level</td>
<td>Comparable to service rounds</td>
<td>Comparable to service rounds</td>
</tr>
</tbody>
</table>

## STORAGE

<table>
<thead>
<tr>
<th>Storage</th>
<th>5.56 x 45 mm</th>
<th>7.62 x 51 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended storage</td>
<td>Cool, dry environment</td>
<td>Cool, dry environment</td>
</tr>
<tr>
<td>Warranty</td>
<td>One year</td>
<td>One year</td>
</tr>
</tbody>
</table>

## Trajectory analysis

![Trajectory analysis graph](image-url)