



40mm Cased Telescoped Ammunition

Proven reliability with superior performance

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BAE SYSTEMS

About Us

At BAE Systems, we provide some of the world's most advanced, technology-led defence, aerospace and security solutions. We employ a skilled workforce of over 110,000 people in more than 40 countries.

In an age of change and increasing uncertainty, where threats are escalating, technology is playing an essential part in our lives.

Our role is critical in helping our customers and partners stay ahead, from delivering innovations that provide military advantage, to offering services and support solutions that maintain, enhance and extend the life of vital military assets.

Why Us?

We are proud to equip the British Armed Forces and international customers with a range of products, including:

- Small arms ammunition
- Medium calibre ammunition
- Mortar ammunition
- Artillery ammunition
- Naval ammunition
- Advanced weapons

Our munitions have been proven in every possible environment, over many decades, with our specialist engineers working in partnership with our customers, to continually make performance improvements.

Our 40mm Cased Telescoped Ammunition

Our 40mm cased telescoped design demonstrates a complete step-change in power over previous generation, medium calibre ammunition.

The projectile is integrated into the cartridge case, making the product significantly more compact, whilst delivering up to four times the power of the 30mm round it replaces.

Our 40mm Cased Telescoped Ammunition

Armour Piercing Fin Stabilised Discarding Sabot-Tracer (APFSDS-T)

- Greater penetration at increased range
- This tungsten projectile can penetrate more than 140mm of Rolled Homogenous Armour (RHA) at 1,500m
- This product is designed to be used against light armoured vehicles and infantry fighting vehicles, including those heavily protected with advanced add-on armour

Dimensions	65 x 255mm
Ammunition mass	1900g
Projectile mass	550g
Muzzle velocity	> 1500m/s
Dispersion	< 0.3mrad
Perforation	140mm RHA at 1500m



General Purpose Round-Airburst-Tracer (GPR-AB-T)

- Defeat behind-cover or dug-in targets
- This programmable, high-explosive ammunition is optimised for fragmentation, providing coverage of up to 125m² on the ground or behind obstacles
- It is particularly effective against ground applications, such as infantry, blinding vehicle optics or antennas
- It can also operate in point detonating mode

Dimensions	65 x 255mm
Ammunition mass	2400g
Projectile mass	1000g
Muzzle velocity	1000m/s
Dispersion	< 0.5mrad
Perforation	> 210 mm concrete at 1000m > 15mm RHA at 1000m
Effective range	2500m



General Purpose Round-Point Detonating-Tracer (GPR-PD-T)

- Ammunition with impact delay feature, for hardened targets
- Highly effective against reinforced structures, dismounted troops and light armoured vehicles
- This high explosive ammunition is capable of penetrating more than 210mm of double reinforced concrete
- Optimised for 'behind protection' fragmentation

Dimensions	65 x 255mm
Ammunition mass	2400g
Projectile mass	1000g
Muzzle velocity	1000m/s
Dispersion	< 0.5mrad
Perforation	> 210mm concrete at 1000m > 15mm RHA at 1000m
Effective range	2500m



General Purpose Round-Kinetic Energy-Tracer (GPR-KE-T)

- This full calibre, kinetic energy round is the inert version of the GPR-PD-T
- Cost effective solution to engage improvised structures, bunkers and other low-value targets

Dimensions	65 x 255mm
Ammunition mass	2400g
Projectile mass	1000g
Muzzle velocity	1000m/s
Dispersion	< 0.5mrad
Effective range	2500m





Engineering the Future

Staying one-step ahead of the enemy is key on the modern battlefield. Having the right equipment, in the right place, at the right time is essential to provide advantage.

Our world-class scientists and engineers are continually pushing the boundaries, to deliver a tactical edge.

We provide the highest quality, cutting-edge products, to equip those who protect us.

Target Practice-Tracer (TP-T)

- A standard training round
- This inert ammunition matches the ballistic trajectory of the GPR-PD-T, GPR-KE-T and GPR-AB-T, allowing troops to train under realistic conditions

Dimensions	65 x 255mm
Ammunition mass	2400g
Projectile mass	1000g
Muzzle velocity	1000m/s
Dispersion	< 0.5mrad
Max trajectory range	7000m



Target Practice Reduced Range-Tracer (TPRR-T)

- Product currently in development
- A reduced range training round
- This inert ammunition matches the ballistic trajectory of the GPR-PD-T, GPR-KE-T and GPR-AB-T, to a range of 900m
- Its specific profile drastically reduces the safety traces of firing fields
- An ideal, cost-effective training solution

Dimensions	65 x 255mm
Ammunition mass	2200g
Projectile mass	730g
Muzzle velocity	1000m/s
Dispersion	< 0.5mrad
Max trajectory range	3500m



Kinetic Energy-Airburst (KE-AB)

- Product currently in development
- Air defence ammunition to combat aerial threats
- Leveraging proven Airburst technology, this product delivers a payload of tungsten pellets, with a directional terminal effect
- Particularly effective against aerial threats and ground applications, such as infantry, blinding vehicle optics and antennas

Dimensions	65 x 255mm
Ammunition mass	3000g
Projectile mass	1400g
Muzzle velocity	900m/s
Dispersion	< 0.5mrad
Effective range	3500m



