

## 12.7 x 99 mm



NATO-qualified cartridge equivalent to M33. Suitable for all 12.7 x 99 mm weapons, may also be offered linked with any other trajectory-matched cartridges, such as Tracer, AP, API and API-T, in different configurations.

 NATO BALL

NORMATIVE REFERENCE	TIP IDENTIFICATION	PROJECTILE TYPE	PROJECTILE WEIGHT	VELOCITY AT 24 m <sup>1 2</sup>
NATO AEP-97 ED A V1	NONE	BALL	42.5 g / 656 gr	890 m/s / 2919,95 ft/s
ENERGY AT 24 m	CASE	SERVICE TEMPERATURE	SAFETY TEMPERATURE	BARREL TWIST
16336 J	BRASS	-54°C to +52°C -65°F to +125°F	-54°C to +71°C -65°F to +160°F	-



NATO standard tracer cartridge equivalent to M17, with full luminosity trace up to 1500 m from the muzzle, visible in both day and night. Suitable for all 12.7 x 99 mm weapons, it may be offered linked with any other trajectory-matched cartridges, such as Ball, AP and API, in different configurations.

 NATO TRACER

NORMATIVE REFERENCE	TIP IDENTIFICATION	PROJECTILE TYPE	PROJECTILE WEIGHT	VELOCITY AT 24 m <sup>1 2</sup>
NATO AEP-97 ED A V1	RED	TRACER	40.8 g / 630 gr	AS PER REFERENCE AMMUNITION
ENERGY AT 24 m	CASE	SERVICE TEMPERATURE	SAFETY TEMPERATURE	BARREL TWIST
≥ 16523 J	BRASS	-54°C to +52°C -65°F to +125°F	-54°C to +71°C -65°F to +160°F	-



NATO standard armor-piercing cartridge. Suitable for all 12.7 x 99 mm weapons, it may be offered linked with any other trajectory-matched cartridges, such as Ball, Tracer, API and API-T, in different configurations.

 NATO AP

NORMATIVE REFERENCE	TIP IDENTIFICATION	PROJECTILE TYPE	PROJECTILE WEIGHT	VELOCITY AT 24 m <sup>1 2</sup>
NATO AEP-97 ED A V1	BLACK	ARMOR-PIERCING	41.89 g / 646 gr	AS PER REFERENCE AMMUNITION
ENERGY AT 24 m	CASE	SERVICE TEMPERATURE	SAFETY TEMPERATURE	BARREL TWIST
≥ 16523 J	BRASS	-54°C to +52°C -65°F to +125°F	-54°C to +71°C -65°F to +160°F	-



NATO standard armor-piercing incendiary cartridge equivalent to M8. Suitable for all 12.7 x 99 mm weapons, it may be offered linked with any other trajectory-matched cartridges, such as Ball, Tracer, AP and API-T, in different configurations.

 NATO API

NORMATIVE REFERENCE	TIP IDENTIFICATION	PROJECTILE TYPE	PROJECTILE WEIGHT	VELOCITY AT 24 m <sup>1 2</sup>
NATO AEP-97 ED A V1	ALUMINIUM	ARMOR-PIERCING INCENDIARY	42.7 g / 658 gr	AS PER REFERENCE AMMUNITION
ENERGY AT 24 m	CASE	SERVICE TEMPERATURE	SAFETY TEMPERATURE	BARREL TWIST
≥ 16775 J	BRASS	-54°C to +52°C -65°F to +125°F	-54°C to +71°C -65°F to +160°F	-



NATO standard armor-piercing incendiary tracer cartridge equivalent to M20. Suitable for all 12.7 x 99 mm weapons, it may be offered linked with any other trajectory-matched cartridges, such as Ball, Tracer, AP and API, in different configurations.

 NATO API-T

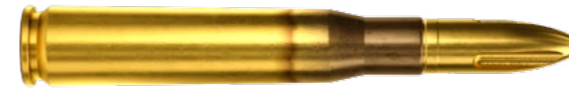
NORMATIVE REFERENCE	TIP IDENTIFICATION	PROJECTILE TYPE	PROJECTILE WEIGHT	VELOCITY AT 24 m <sup>1 2</sup>
NATO AEP-97 ED A V1	RED AND ALUMINIUM	ARMOR-PIERCING INCENDIARY TRACER	40.4 g / 613 gr	AS PER REFERENCE AMMUNITION
ENERGY AT 24 m	CASE	SERVICE TEMPERATURE	SAFETY TEMPERATURE	BARREL TWIST
≥ 15603 J	BRASS	-54°C to +52°C -65°F to +125°F	-54°C to +71°C -65°F to +160°F	-



Standard Blank cartridge for training. Used with Blank Firing Attachment, it can be adjusted to all automatic weapons to provide consistent and reliable functioning.

## BLANK

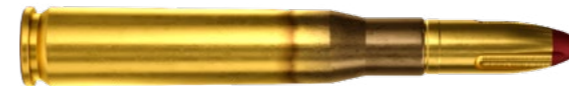
NORMATIVE REFERENCE	STAR CRIMP	CARTRIDGE LENGTH	CARTRIDGE WEIGHT	CASE	SERVICE TEMPERATURE
NATO AEP-97 ED A V1	6	98.9 mm / 3.89 inch	59.8 g / 923 gr NOMINAL	BRASS	-32°C to +52°C -26°F to +125°F



Ball Reduced Range cartridge was designed for use in space constrained firing ranges and sensitive populated surroundings. By reducing the overall Safety Danger Zone, the technology allows for training exercises closer to the quarters. It is also applicable for operational use, while mitigating the risk of collateral damage. Suitable for all 12.7 x 99 mm weapons, it may be offered linked with Tracer Reduced Range, in different configurations.

BALL REDUCED RANGE [LEARN MORE ON PAGE 28](#)

NORMATIVE REFERENCE	TIP IDENTIFICATION	PROJECTILE TYPE	PROJECTILE WEIGHT	VELOCITY AT 24 m <sup>1 2</sup>
NATO AEP-97 ED A V1 - HS / JXNN / C09 / 1630	NONE	BALL REDUCED RANGE	44.6 g / 688 gr	910 m/s / 2985 ft/s
ENERGY AT 24 m	CASE	SERVICE TEMPERATURE	SAFETY TEMPERATURE	BARREL TWIST
18425 J	BRASS	-54°C to +52°C -65°F to +125°F	-54°C to +71°C -65°F to +160°F	-



Tracer Reduced Range cartridge was designed for use in space constrained firing ranges and sensitive populated surroundings. By reducing the overall Safety Danger Zone, the technology allows for training exercises closer to the quarters. It is also applicable for operational use, while mitigating the risk of collateral damage. It provides full luminosity trace up to 1500 m from the muzzle, visible in both day and night. Suitable for all 12.7 x 99 mm weapons, it may be offered linked with Ball Reduced Range, in different configurations.

TRACER REDUCED RANGE [LEARN MORE ON PAGE 28](#)

NORMATIVE REFERENCE	TIP IDENTIFICATION	PROJECTILE TYPE	PROJECTILE WEIGHT	VELOCITY AT 24 m <sup>1 2</sup>
NATO AEP-97 ED A V1 - HS / JXNN / C09 / 1630	RED	TRACER REDUCED RANGE	42.5 g / 656 gr	AS PER REFERENCE AMMUNITION
ENERGY AT 24 m	CASE	SERVICE TEMPERATURE	SAFETY TEMPERATURE	BARREL TWIST
≥ 17597 J	BRASS	-54°C to +52°C -65°F to +125°F	-54°C to +71°C -65°F to +160°F	-

<sup>1</sup> Temperature: 21°C (70°F) | <sup>2</sup> Test Barrel Length: 1143 mm (45")

