

CHARACTERISTICS



Australian Munitions’ 5.56 mm F1A1 ball ammunition exhibits the following nominal performance characteristics:

Length of complete round	57.4mm (Max)
Projectile construction	Hardened steel penetrator and lead core, enclosed in gilding metal jacket
Propellant type	Single base solvent propellant
Cartridge mass	12.0 g (Nominal)
Projectile mass	4.0 g (Nominal)
Chamber pressure Kistler 6215 transducer	<405 MPa (Avg)
Accuracy	Avg Std Dev < 100mm in both horizontal and vertical planes @ 300 m
Muzzle energy	1,500 J (Min)
Temperature range	-54°C to 80°C



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Australian Munitions - A Thales Australia business



IN THE BATTLE SINCE 1888



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5.56 mm F1A1 BALL
AMMUNITION
Consistent performance in varying
temperature conditions



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Consistent performance in varying temperature conditions



The performance of the Australian Munitions' 5.56 mm ammunition is designed for superior performance with 5.56mm calibre weapons in particular the Austeyr currently in use with the Australian Defence Force. The projectile of the 5.56 mm F1A1 ball cartridge consists of a hardened steel penetrator and lead core, enclosed in a gilding metal jacket.

Australian Munitions' 5.56 mm F1A1 ball ammunition is manufactured at our Benalla munitions facility and its performance is optimised for use with the 5.56 mm calibre rifles.

SPECIAL FEATURES

Australian Munitions' 5.56 mm F1A1 ball ammunition employs a specially designed single base propellant. The propellant is primarily nitrocellulose with added stabiliser and ballistic moderants. The propellant has extremely clean burning characteristics and is an excellent replacement for those propellants that exhibit weapon fouling. The propellant maintains excellent repeatability over a working temperature range - a feature we call 'Ballistic Temperature Independence'.

FUNCTION

Australian Munitions' 5.56 mm F1A1 ball ammunition offers superior reliability and performance in 5.56 mm calibre rifles in particular the 5.56 mm Calibre Austeyr, Minimi CFNEF89, M16 A2 and M4 A1.

PACKAGING

Australian Munitions' 5.56 mm F1A1 ball ammunition can be supplied in the following standard packaging configurations:

- Plastic film pack (900 rounds per M2A1 container)
- Bandoleer/ charger clip pack (15 rounds per clip, 600 rounds per M2A1 container)
- Linked Pack F1 (200 rounds per belt, 800 rounds per M2A1 container)
- Linked Pack 4 Ball F1 1 Tracer M856 (200 rounds per belt, 800 rounds per M2A1 container)

These configurations are packed in standard military packaging, details of which can be supplied upon request. Our 5.56 mm F1A1 ball ammunition will be shipped in packages conforming to UN recommendations for packaging of dangerous goods. The packages are classified as Hazard Division 1.4S, UN Number 0012, Proper Shipping Name - Cartridges, Small Arms.