



.50 CAL F1 BALL AMMUNITION

Consistent performance in varying temperature conditions

CHARACTERISTICS

Thales Australia's .50 cal F1 ball ammunition exhibits the following nominal performance characteristics:

Length of complete round	138.43 mm
Projectile weight	42.9 g (660 grains)
Projectile velocity (24 m from muzzle)	897 m/s @ +21 °C
Maximum chamber pressure	415 MPa @ +21 °C
Accuracy	< 305 mm @ 550 m
Propellant	AR 2211

Thales Australia's .50 cal F1 ball ammunition conforms to the design parameters of NATO STANAG 4383 and is an improved version of US M33 round. The projectile features a steel core enclosed in a gilding metal jacket.

.50 cal F1 ball ammunition is manufactured at Thales Australia's Benalla munitions facility and is currently in service with the Australian Defence Force (ADF).



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CONSISTENT PERFORMANCE IN VARYING TEMPERATURE CONDITIONS

Special features

Thales Australia's .50 cal F1 ball ammunition employs a specially designed single-base solvent-type extruded granular powder in the form of single perforated tubules. The composition is primarily nitrocellulose with added stabiliser, ballistic moderants and flash suppressant. The propellant in our .50 cal F1 ball ammunition exhibits a very low temperature coefficient to ensure velocities and pressures do not vary greatly with changes in ambient temperature.

The powder also has extremely clean burning characteristics and is an excellent replacement for those powders that exhibit barrel fouling. The powder design ensures that the ammunition maintains excellent accuracy and repeatability over the working temperature range.



.50 cal F1 ammunition

Function

Thales Australia's .50 cal F1 ball ammunition is optimised for use in all .50 calibre weapons currently in use by the ADF.

Packaging

Thales Australia's .50 cal F1 ball ammunition can be supplied in the following standard packaging configurations:

- **Linked ball:**
One linked belt of 100 rounds per M2A1
- **Linked 4B1T (M17 tracer):**
One linked belt of 100 rounds per M2A1
- **Loose ball:**
10 rounds per inner box, 10 boxes per M2A1.

Our .50 cal F1 ball ammunition will be shipped in standard military packages conforming to the UN recommendations for packaging of dangerous goods. The packages are classified as Hazard Division 1.4C, UN Number 0339. Proper shipping name —Cartridges for Weapons, Small Arms.

Details of the above mentioned packaging configurations can be supplied upon request.