



## 5.56 mm F1 BALL AMMUNITION

Consistent performance in varying temperature conditions

### CHARACTERISTICS

Thales Australia's 5.56 mm ball ammunition exhibits the following nominal performance characteristics:

|   |   |
|---|---|
| <b>Length of complete round</b>                     | 57.4mm (Max)  |
| <b>Projectile weight</b>                            | 4.0g  |
| <b>Projectile velocity (V24)</b>                    | 915 + 10 m/s  |
| <b>Chamber pressure<br/>Kistler 6215 transducer</b> | < 405 MPa (Avg)   |
| <b>Accuracy</b>                                     | Avg Std Dev<br>< 100mm in both<br>horizontal and vertical<br>planes @ 300 m |
| <b>Action time</b>                                  | 0.003 s (Max)   |
| <b>Propellant Type</b>                              | Single base solvent<br>propellant   |
| <b>Temperature range</b>                            | -54°C to 80°C   |

Thales Australia's 5.56 mm F1 ball ammunition meets the essential design parameters of the NATO STANAG 4172. It can be used in all 5.56 calibre NATO weapons and is comparable to other in-service natures such as the FN SS109 and US M855 ball cartridges. The projectile comprises of a hardened penetrator and a lead slug enclosed in a gilding metal jacket.





## 5.56 mm F1 BALL AMMUNITION

### CONSISTENT PERFORMANCE IN VARYING TEMPERATURE CONDITIONS

#### Special features

Our 5.56 mm F1 ball ammunition is manufactured at Thales Australia's Benalla munitions facility and is currently in use with the Australian Defence Force (ADF) in the Austeyr individual weapon and F89 Minimi light support weapon.

Thales Australia's 5.56 mm F1 ball ammunition employs a specifically designed single base propellant with very low temperature coefficient of ballistics to ensure velocities and pressures remain consistent within variations in ammunition temperature.

The propellant has extreme clean burning characteristics and is an excellent replacement for those propellants that exhibit weapon fouling.

#### Packaging

Our 5.56 mm F1 ball ammunition can be supplied in the following standard packaging configurations:

- Plastic film pack (900 rounds per M2A1 container)
- Charger clip (15 rounds per clip)
- Linked (200 rounds per belt)
- Linked 4B1T M856 linked configuration.

The above mentioned configurations are packed in standard military package containers. Details of these packaging configurations can be supplied upon request.

Other packaging configurations can be provided on request.

Our 5.56 mm F1 ball ammunition will be shipped in packages conforming to the UN recommendations for packaging of dangerous goods. The packages are classified as Hazard Division 1.4S, UN Number 0012, Proper Shipping Name – Cartridges for Weapons, Small Arms.



5.56 mm F1 ball ammunition in charger clip with M2A1 container