



Radnor Range Ltd

weapons . ordnance . munitions . explosives



Military vehicle STANAG 4569 blast test



Civilian armoured SUV PAS 300 Side Blast.

Armour Vehicle Testing & Certification

Facilities include:

- Licenced and dedicated facility permitting manufacturing, storage, breakdown and assembly of ammunition with experienced and trained staff.
- 2.5km long range, testing up to 40mm projectiles and aerial countermeasures.
- Indoor 20m ballistic vehicle test facility, with a target bay accommodating targets up to 4m x 6m in size.
- Full range of projectile threats, including Fragment Simulating Projectile (FSP).
- Concrete test pad for side blast and fragmentation trials.
- Velocity measuring instrumentation and high speed video, Doppler radar acoustic velocity capture instrumentation.
- Mine blast trials utilising specified aggregates in purpose made pits.
- Calibrated instrumentation to capture vehicle acceleration, blast over-pressure and AT Hybrid test data.
- Blast modelling capability (LS-DYNA).
- Covered work area available for on site vehicle repair, including light engineering facilities
- 75 kilo maximum NEQ for any one blast.

Services offered:

- Full vehicle test and certification capability, including pre-trial vehicle design verification (production site visit).
- Manufacture and validation of surrogate AT mines and grenades.
- TNT casting of surrogate grenades, including bespoke spherical charges.
- The customer is encouraged to be present for all ballistic trials, with on site catering provided.
- Trials work may be halted where appropriate in order to facilitate modification of the test subject.

Examples of test protocols (not exclusive):

- **NATO AEP-55:** Procedures for Evaluating the Protection Level of Logistic and Light Armoured Vehicles.
- **STANAG 4569 Levels 1-6:** Protection Levels for Occupants of Logistic and Light Armoured Vehicles.
- **PAS 300:** Ballistic and Blast Testing for Civilian Armoured vehicles (CAV).
- **VPAM BRV (2009):** Bullet Resistance for Special Protected Vehicles.
- **VPAM ERV (2010):** Detonation of 15kg TNT from 2m at a high of 1m from the side of the vehicle.

For further information or to book a test, please use the contact details below.



Radnor is an MoD UK approved test house

T: +44 (0)1544 267441
F: +44 (0)1544 267431
E: info@radnor.org.uk

Radnor Ranges Ltd
11 Broadaxe Business Park,
Presteigne, Powys LD8 2UH

www.radnor.org.uk