

Data Sheet

SURROGATE PROJECTILE : 25x137MM APDS-T

Description

This test item is an accurate replica of the NATO 25x137mm APDS-T projectile (as per STANAG 4569 / AEP-55 Vol 1 ed2 level 5a). This test surrogate has been reverse engineered from actual projectiles and is correct in mass, dimensions and metallurgy. The surrogates are supplied as a core only with the sabot pusher assembly of the original projective is omitted. This allows the user choice in launch method, (a Saboted surrogate ideally would require a progressive rifled cannon battel to function correctly resulting in considerable expense. Hephaestus designed Sabots are available to suit this core for a range of calibres as well as, bespoke for to suit calibre of the customers choice. The tracer cavity of the original design is retained and is supplied empty, this cavity can be filled with an inert material if required.



Image



Figure 1 (left); Complete Hephaestus Surrogates, 25x137mm APDS-T flight surrogate (top) and full (bottom)

Figure 2 (right); Complete, 25x137mm APDS-T round

Technical details

	Mass (g)	Length (mm)	Material	Performance
Flight Surrogate	50.5 +/-1	61.5 +/- 0.3	Steel (flight surrogate)	Accurate flight simulation for zeroing and practice
Full Surrogate	115 +/-1		Metallurgically representative surrogate alloy with appropriate heat treatment	
Launch System	Ideally >20mm rifled or smoothbore with appropriate sabot			
Sabot	Hephaestus Sabots 25mm APDS-T Sabots can be ordered in 14.5mm, 25mm and 50mm smooth bore as standard with custom fitting upon request.			



Test Standards Applicable

STANAG 4569 / AEP-55 Vol 1 Ed 2 Level 6 (one of two specified projectiles)

Related products / Services

Hephaestus can provide sabots to suit this test item and allow for launch from smoothbore test guns

Hephaestus can provide full test and evaluation services (including launch and velocity recording) of this test item through our UK based T&E partners.

