



01 / PRODUCT OVERVIEW

X6T

12.7x99 mm API-T cartridge with steel case, bullet X6T



FIG 01 PRODUCT CONFIGURATION

.50 (12.7 x 99 mm)

CALIBRE

V24 = 886 m/s ± 9 m/s

MEDIUM VELOCITY OF BULLET AT 24 M

998 / 1125 kg

NET / GROSS PALLET WEIGHT

P_{med}.max ≤ 379 MPa

AVERAGE MAX. PRESSURE

01.1 / OVERVIEW

A .50 (12.7 x 99 mm) cartridge with a lacquered steel case and a 42 g armour piercing incendiary tracer bullet X6T, for use in all .50 calibre machine guns.

TYPE
API-TCALIBRE
12.7x99 mmSTANDARD
NATO**PROCUREMENT AND COMPLIANCE**

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



02 / TECHNICAL SPECIFICATION

TECHNICAL DATA

X6T / AMMUNITION

IDENTITY AND CONSTRUCTION

Calibre	.50 (12.7 x 99 mm)
Bullet	X6T, 42 g, tip painted red and silver
Bullet construction	Brass (CuZn10) plated steel jacket, hardened steel core, incendiary composition, tracer cup with tracer composition
Cartridge case	Steel, lacquered in brown colour
Medium velocity of bullet at 24 m	V24 = 886 m/s $\pm$ 9 m/s
Cartridges per pallet	8840 rds

BALLISTIC PERFORMANCE

Average max. pressure	Pmed.max $\leq$ 379 MPa
Individual max. pressure	Pmax.max $\leq$ 395 MPa
Accuracy	R50 $\leq$ 19 cm at 300 m; pooled mean of vertical and horizontal standard deviations of 90 rounds $\leq$ 400 mm at 550 m

DIMENSIONS, MASS AND SUPPLY

Packing	85 cartridges per UN certified steel ammunition box; 105 (104+1) steel boxes per wooden pallet
Pallet dimensions (L×l×h)	1130 x 885 x 850 mm
Net / gross pallet weight	998 / 1125 kg



TECHNICAL DATA

X6T / AMMUNITION

ADDITIONAL TECHNICAL DATA

Primer	Boxer type, non-corrosive
Propellant	Single or double base type
Armour piercing capacity	≥ 90% through 15 mm thick armour at 100 m
Incendiary capacity	≥ 80% of gasoline behind 15 mm thick armour at 70 m
Tracer capacity	≥ 80% at 1500 m
Hazard class	1.4G
N.E.Q.	18 g
TNT equivalent	2.1 g



CONFIGURATION VIEWS

X6T / SUPPLEMENTARY CATALOGUE VIEWS

FIG 02 / original technical cutaway

