

40 CTA
Turret family

KNDS



/ 40 CTA Turret family

The 40 CTA caliber is a new standard chosen by DGA/French Army and the MOD/British Army. Engagement in urban areas requiring a compact gun with a high elevation angle. Engagement in open areas requiring firepower and accuracy This new family addresses Ground (Unmanned or 2 man Turret), Air-defense and Naval applications.



**40 CTA
Unmanned turret
or 2 man turret**

main features

In order to meet the needs of Cavalry Reconnaissance Vehicle and Infantry Fighting vehicle, Nexter has developed a new family of turrets based on the new 40 CTA (Cased Telescoped Ammunition) gun.

In order to defeat heavier and / or longer range targets, the turret can be fitted with new generation medium range missiles (included in the firing mode : lock on after launch).

This turret integrates the most advanced vetronics and optronics offering the best operational features.

Better Accuracy:

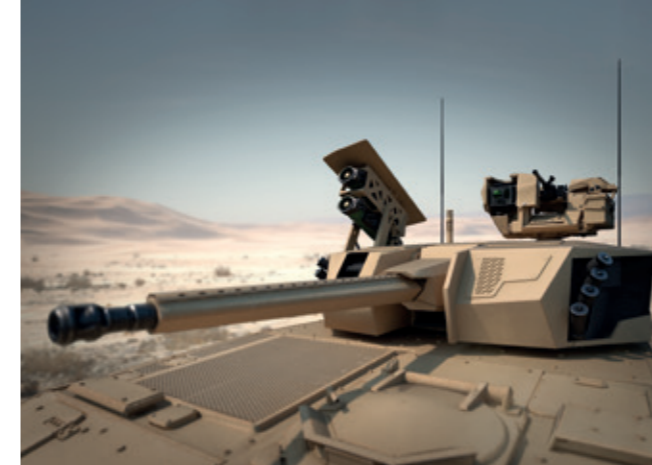
Accuracy is improved by the latest generation of controller including a coincidence firing.

Large spectrum of threats:

Easy to use, the 40 CTA feed system (60 shots ready to fire) allows the crew to manage various types of ammunition during the engagement.

Better terminal lethality:

The 40mm APFSDS penetrates more than 140mm of RHA at 1500 m, able to destroy all known types of Infantry Fighting Vehicles and the GPR-AB shrapnel covers over 100m².



Higher Reliability and Better life cycle cost:

The weapon reliability is increased by linkless feed system (responsible for 50% of stoppages).

Better ammunition growth potential:

Four types of ammunition are currently available (cf page 4) and new products are under development (in particular anti-aircraft ammunition).

Better turret growth potential:

Due to the adaptable and evolving "digital heart", the potential for customisation of the turret is vast, with current or future equipment in order to match the missions requirements evolution.

Vaste capacité multi-rôle :

- The combination of 3 weapon systems (40mm/Missiles/7,62mm ou 12,7mm),
- Moving vs moving (Stabilized turret)
- Hunter killer function
- High angle firing capacity,
- Beyond line of sight firing with GPR AB

/ 40 CTA ammunition

40mm APFSDS - Armour Piercing

Dimensions 65 x 255mm

Ammunition Mass 1 900g

Projectile Mass 340g (dart)

Initial Velocity > 1500m/s

Accuracy 0.3mil

Perforation (NATO target) 140mm RHA



40mm GPR-PD - Point Detonating

Dimensions 65 x 255mm

Ammunition Mass 2 400g

Projectile Mass 980g

Initial Velocity 1000m/s

Accuracy 0.5mil

Perforation (NATO target) 210mm concrete



40mm GPR-AB - Airbust

Dimensions 65 x 255mm

Ammunition Mass 2 400g

Projectile Mass 980g

Initial Velocity 1000m/s

Accuracy 0.5mil

Perforation (NATO target) 210mm concrete

Lethality Area > 102m²



40mm TP - Target Practice

Dimensions 65 x 255mm

Ammunition Mass 2 400g

Projectile Mass 980g

Initial Velocity 1000m/s

Accuracy 0.5mil



KNDS

KNDS France

13 route de la Minière
78034 Versailles Cedex France
Tél. +33 (1) 30 97 37 37
www.knds.com

Unless otherwise indicated, all products are registered
trademarks of KNDS France.

Property of KNDS. All rights reserved.

K2V-006-EN-06/2024