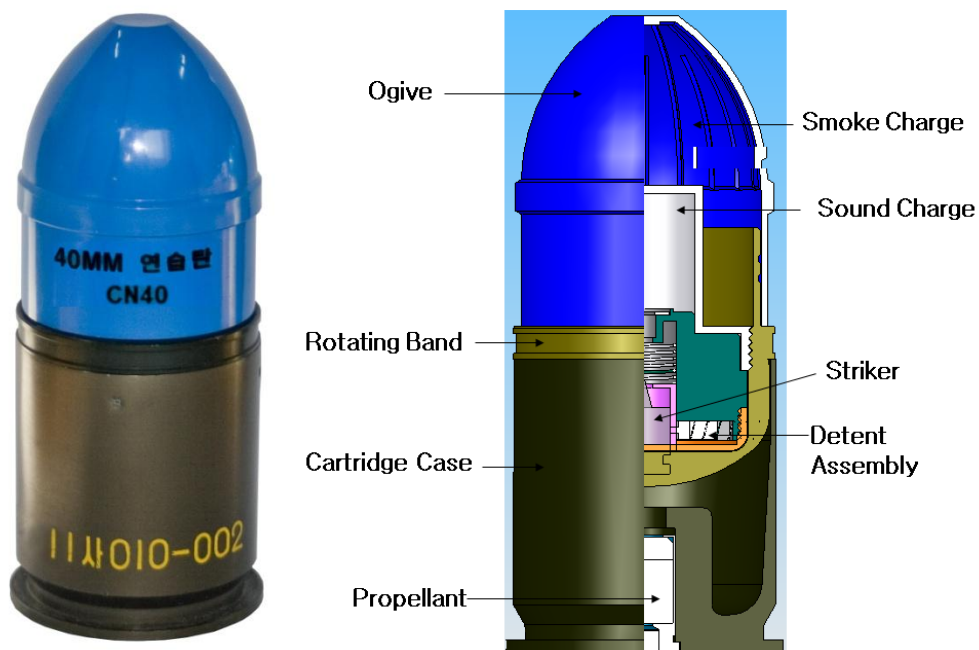


Cartridge 40MM : PRACTICE, CN40



USE :

This cartridge is a fixed, practice type ammunition designed to be fired from 40mm Grenade Launchers (M79, M203, MGL, HK69)

DESCRIPTION :

The cartridge is a fixed round of ammunition consisting of a projectile body with a rotating band and a cartridge case assembly. A hollow ogive is filled with high visibility yellow smoke and high audibility sound composition.

A PD fuze of centrifugal safety/arming device is threaded into a metal skirt. The projectile assembly is press-fitted into the aluminum cartridge case. The case is hollow bi-chambered cylinder. A .38 caliber blank cartridge is fitted into the base of the cartridge case and provides the gas pressure needed to propel the projectile through the launcher barrel.

FUNCTION:

The weapon firing pin strikes the .38 caliber blank cartridge primer igniting the propelling charge. The burning propelling charge generates sufficient pressure to release the expanding propellant gases through the vent hole into the low pressure chamber. The pressure created by the expanding propellant gases in the low pressure chamber, forces the projectile through the tube with a velocity of 76 meters per second. The rotating band around the projectile engages the rifling in the launcher tube imparting a spin of 3,600rpm to the projectile. The centrifugal force causes the detent assemblies to align and arm. Upon impact with the target, inertia throws the firing pin forward to the detonator. The detonator initiates the sound and smoke charges causing a puff of yellow smoke and high level of sound which simulates explosive impact.

TABULATED DATA

COMPLETE ROUND

Type	PRACTICE
Weight	210g
Length	100mm
Weapons used with	M79, M203, MGL , HK69

PROJECTILE

Body material	Ogive : PLA, Skirt : Aluminum
Color	Blue
Filler	Sound and smoke charge
Fuze	Centrifugal type

PROPELLING CHARGE

Cartridge case	CN40
Propellant	M9, 380mg

PERFORMANCE

Max. range:	400M
Muzzle Velocity:	76mps
Sound level:	100dB at 50M
Smoke:	Yellow, visible at 200M

TEMPERATURE LIMITS

Firing	
Low limit:	-25°F(-31.6°C)
Upper limit:	+ 125°F(+ 51.6°C)
Storage	
Low limit:	-30°F(-34.4°C)
Upper limit:	+ 145°F(+ 63°C)

PACKING DATA

Packing:	36 rounds per carton box ; 1 carton box per barrier bag 2 carton boxes per wire bound box.
Packing Box :	Weight 20.9Kg, Dimensions 344×344×296mm

STORAGE AND SHIPPING DATA

UN serial number:	0339
Hazard class/division and Storage compatibility group:	1.4C