



105MM XC160 RP SMOKE

Screening Smoke
Projectile



105 H
RP SMOKE
CART XC160

MUNITIONS

MORTAR MUNITIONS & COMPONENTS



OVERVIEW

General Dynamics Ordnance and Tactical Systems–Canada develops and manufactures the 105mm RP Smoke XC160, ammunition that provides greater concealment than the HC in a less toxic unit. Delivering efficient screening in the visual, near and mid-infrared bands as well as part of the far infrared band, the cartridge will be type-classified IAW STANAG 4224.

We offer a full range of 105mm artillery ammunition including high-explosive, illuminating and smoke rounds, as well as fuzes and components. Our HE fillings, which consist of Composition B, are produced in our melt and pour facility, meeting all critical safety factors.



105MM XC160 RP SMOKE

Screening Smoke Projectile

CHARACTERISTICS

- » Smoke screen providing a minimum of two-minute obscuration in the visual band
- » Obscuring screen capable of concealing a 1m x 2m wide radiated target with minimum 40°C thermal contrast observed with state-of-the-art infrared imaging devices
- » Functioning under extreme weather conditions ranging from -46°C to +63°C
- » Short-term storage between -54°C and +71°C
- » Shelf life of at least 10 years
- » Used with standard M67 propelling charge systems, charges 1 to 7 (up to 11.2km range)

Cartridge length with fuze	773mm
Cartridge weight	18.9kg
Projectile length with fuze	479mm
Projectile weight without fuze	14.5kg
Filling compound weight	1.3kg RP

COMPONENTS

Fuze	M577A1, M762 series or equivalent
Primer	M28A2
Cartridge case	M14
Propelling charge	M67

BALLISTICS (WITH M67 CHARGE SYSTEM)

Nominal muzzle velocity	465m/s in M101; 494m/s in M102/M119
Maximum range	11km in M101; 11.5km in M102/M119

