

38 mm Signal Cartridge, Single Star Red, Green, White, Yellow



Application:

Communication between combat forces and battlefield reconnaissance at night are essential elements in operations. The 38 mm Signal cartridges offer an autarkic means for these purposes and is also used as distress signal (colour red).

Description:

The 38 mm Signal Cartridge is generally fired from a 1.5 inch very pistol and provides short range signalling and illumination both in white and infra-red light. Available for long distance visibility more than 3.2 km. (2 miles) during the day, and more than 6.5 km. (4 miles) at night with clear vision.

Operation:

In preparation of firing the 38 mm cartridges are loaded into the very pistol and fired vertically for signalling purposes respectively with an angle of > 45 degrees for illumination purposes.

The common instructions of handling a very pistol are to be strictly followed.

Characteristics:

Red: Emergency signal,
tangible mark at top of cartridge = Cross +

Green: General signal e.g. position cleared,
tangible mark at top of cartridge = Triangle Δ

White: Illumination signal,
tangible mark at the of cartridge = Dot -

Yellow: Short illumination of fore field,
tangible mark at the of cartridge = Dot •

Specifications:

Caliber:	38 mm (1.5 inch)
Length:	97 mm
Weight:	125 g
Cartridge case:	Aluminum
Flare Burning Time:	7 ± 1.5 sec.
Altitude (firing angle 90°):	100 ± 25m
NEQ each cartridge:	41.5 g (Red), 49.5 g (Green), 45.5 g (Yellow), 49.5 g (White)
Light intensity peak for colours:	
Red:	> 40,000 cd
Green:	> 30,000 cd
White:	> 70,000 cd
Yellow:	> 100,000 cd

References:

Product Codes:	NATO Stock Numbers:
Red: 9180200	n.a.
Green: 9180100	n.a.
White: 9180300	n.a.
Yellow: 9180400	n.a.

UN Number: UN 0312

Packing:

5 cartridges in cardboard
60 cardboard boxes = 300 cartridges in 1 wooden box

Qty per box	Hazard Class	NEQ	GR Wgt	Vol
300	1.4 G	12.5 kg (Red) 14.9 kg (Green) 14.9 kg (White) 13.7 kg (Yellow)	30 kg	0.168 m ³