



155 mm (Smoke, Illuminating)



GENERAL SPECIFICATIONS (HOW SMOKE, WP - M110A2)

155mm smoke is used to provide concealing and spotting. It has the same general appearance as the 155mm High-Explosive (HE) M107 and has the same design features. The shell contains white phosphorus and is normally fitted with a nose-mounted Point-Detonating (PD) fuze. On impact, the fuze ignites the internal supplementary charge, which then ruptures the shell casing to release WP filling. As it contacts the air, the WP ignites to produce thick clouds of white smoke.

GENERAL SPECIFICATIONS (HOW ILLUMINATING M485A2)

155mm Illuminating is a separate loading ammunition of 155mm series using a hollow forged steel body with a steel base plug press fitted to the rear of the projectile and held in place by shear and twist pins. The shell interior contains a primary expulsion charge, a canister assembly and a small first parachute. The canister assembly contains a secondary expulsion charge, a delay holder, an illumination composition and the main parachute



WP

Illuminating

TECHNICAL SPECIFICATIONS

Type	Smoke WP	Illuminating
Projectile length fused (mm)	710.8	605
Projectile weight fused (kg)	44	41.7
Propellant charge (kg)	White Bag M4A2-6	White Bag M4A2-6
Filling material (kg)	5 WP	2.6 Illuminant
Primer	M82	M82
Fuze	PDM 557 / PDM 572/B429	M565 MT or M564
Muzzle velocity (m/s)	565.4	565.4
Max. range (km)	14.5	14.5
Max. chamber pressure (bar)	3040	3040
Armament	155 mm HOW M1A1, M1A2 - IH	155 mm HOW M1A1, M1A2 - IH
Weight zone group	---	----
Min. smoke time (sec.)	50	----
Illuminating Intensity (cd)	----	800,000
Min. burning time (sec.)	----	100

PACKING DATA

Type	Smoke WP	Illuminating
Quantity per box	1	-
Box weight (kg)	50	-
Box dimensions (cm)	77 x 28 x 26	-
Box per pallet (kg)	16	-
Pallet weight (kg)	920	350
Pallet dimensions (cm)	115 x 76.5 x 120	70 x 36 x 80
Qty /Pallet	-	8 rds