155MM LU 211

INSENSITIVE OR CONVENTIONAL VERSION

MISSION

The 155mm LU 211 HE shell provides a long-range fire capability. It can be equipped with a hollow base or a Base Bleed. It can engage targets at a range of 30km with NATO standard 155mm/39 caliber guns (M109, M198...) and up to 40km with 155mm/52 caliber guns (CAESAR®, PzH 2000...) meeting the requirements of JB MoU and NABK standards when equipped with a Base-Bleed unit. The terminal efficiency of the 155mm LU 211 is more than twice that conventional M107 155mm shells, irrespective of angle of impact or burst height.
In addition, its piercing/penetration capability gives an excellent performance when used as an anti-structure ammunition.
The 155mm LU 211 shell can be filled with High Explosive like TNT, compo B and EIDS® XF® 13 333 explosive composition for the insensitive version called LU 211 IM.
This version is fully IM compliant with the STANAG 4439.
To be able to meet specific requirements, different versions with the same ballistic performances for training are offered.

DESCRIPTION

The projectile consists of a shell body filled with explosive and a hollow base or a Base Bleed Unit to increase the maximum range.
The driving band and the plastic obturator are protected by a grommet.
The shell is delivered with a lifting plug designed to protect the projectile fuze area against accidental damage.

STATUS

In service.

TECHNICAL CHARACTERISTICS

	LU 211 IM-HB	LU 211 IM-BB	LU 211 B-HB	LU 211 B-BB
Type	Insensitive High Explosive Hollow Base	Insensitive High Explosive Base Bleed	Conventional High Explosive Hollow Base	Conventional High Explosive Base Bleed
Caliber	155mm	155mm	155mm	155mm
Projectile mass	42.5kg without fuze	43.9kg without fuze	42.5kg without fuze	43.9kg without fuze
Projectile length	865mm with fuze	867mm with fuze	865mm with fuze	867mm with fuze
Projectile filling	~8.8kg XF® 13333	~8.8kg XF® 13333	~8.8kg Composition B	~8.8kg Composition B
Fuze	Interoperability standard A2 thread fuze and standard B2 long intrusion fuze			
	LU 211 IM-HB	**LU 211 IM-BB**	**LU 211 B-HB**	**LU 211 B-BB**
Muzzle velocity	939m/s	946m/s	939m/s	946m/s
Maximum range	Up to 30km	Up to 40km	Up to 30km	Up to 40km

155MM LU 214 SMK-WP

MISSION

The LU 214 is a smoke shell belonging to the 52 caliber shell familly. It offers the same ballistic of the LU 211 shell.
The functionning of the fuze triggers the detonation of the burst charge which causes the opening of the shell and the dispersion of the phosphorus over a radius of 25 to 30m.
The White phosphorus produces spontaneously, upon contact with air, dense white smoke.

DESCRIPTION

This projectile consists of a shell body filled with approximately 8.7kg of White phosphorus and can be equipped with a hollow base or a Base Bleed Unit.
The shell is delivered with a lifting plug designed to protect the projectile fuze area against accidental damage.

STATUS

In service.

TECHNICAL CHARACTERISTICS

	LU 214 WP HB	LU 214 WP BB
Type	White phosphorus smoke	White phosphorus smoke
Caliber	155mm	155mm
Projectile mass	43.25kg without fuze	44.65kg without fuze
Projectile length	865mm with fuze	867mm with fuze
Projectile filling	≈8.4kg White phosphorus	≈8.4kg White phosphorus
	LU 214 WP HB	**LU 214 WP BB**
Muzzle velocity	939m/s	946m/s
Maximum range	Up to 30km	Up to 40km
Dispersion in range	<0.4% mean range	<0.4% mean range
Smoke duration (s)	More than one minute	More than one minute