

Main Gun Signature Simulators MGSS



MGSS M30 and FBSS L1A1



Launching devices: LGSS / SGSS



Smoke effect on tank

Application:

Laser-based “firing” during force-on-force training demand a visual differentiation between “firing” and “hit”. The simulation of muzzle flashes of the main gun of main battle tanks provide clear information to all participants during combat training which tank is engaged in active combat. The same applies to Range Gunnery Signature Simulators (RGSS) providing hostile fire to tank crews engaging tank targets. The principle of improving the stress inoculation of tank crews adds an important element to the preparedness for combat.

Description:

Main Gun Signature Simulators are used in:

- Lightweight Gunnery Signature Simulators on tanks.
- Range Gunnery Signature Simulators on tank firing ranges.
- Fire marker units to simulate IED simulation.
- Fire Marker Units to simulate ground burst of artillery and mortar shells.

The Main Gun Signature Simulator produces a bright flash, a well audible report and a clearly visible cloud of white smoke.

Characteristics:

Signature: Muzzle flash, loud report and white smoke

Sound pressure: 162 dB at 1m (MGSS M30)

Sound pressure: 150 dB at 1m (FBSS L1A1)

Visibility: at least 3,000m

Safety distance: 5m in firing direction and 1,0m to both sides (ear protection)

Specifications:

Length: 60mm
Diameter: 28mm (middle section)
Diameter: 34mm (bottom)
Weight: approx. 26 gram
Net Explosive Mass: approx. 6 gram (MGSS M30)
Net Explosive Mass: approx. 5 gram (FBSS L1A1)

References: In service with several NATO Countries.

Product Code:

MGSS M30: 9201100
 FBSS L1A1: 9201200

NATO Stock Numbers:

1370-01-443-6871
 1370-99-957-5327

UN Number:

wooden box UN 0431
 steel box UN 0430

Proper Shipping Name: Articles, pyrotechnic

Packing:

30 items in 1 cardboard box
 12 cardboard boxes = 360 items in wooden box
 2 cardboard boxes = 60 items in steel box (FBSS L1A1)
 Other packaging methods on request

Type	Qty. per box	Hazard Class	NEQ	GR Wgt	Vol
M30	360	1.4 G	2.16 kg	19.0 kg	0.058 m ³
L1A1	360	1.4 G	1.80 kg	18.6 kg	0.058 m ³
L1A1	60	1.3 G	0.30 kg	4.4 kg	0.009 m ³