



76 MM IR/RP SMOKE GRENADE

Type: The grenade is designed to disrupt the enemy surveillance of the vehicle with day and night vision devices as well as the target acquisition and pursuit of the vehicle

Key features

- Multispectral visual & screening capability
- Fast reaction
- Non carcinogenic & low toxic
- Use for combat & training
- NATO-proven and in service



Technical characteristics

Designation	Smoke grenade 76 mm for visible and infrared masking, cod SG-1TH
Operational abbreviation	SG-1TH
Caliber	76 mm
Maximum length	170 mm
Total weight	~ 1,2 kg
The mass of the fumigant load	~ 800 g multispectral fumigation composition RP/IR
Launcher	WEGMANN 76 mm or compatible systems
The initiation mode	Electric
Performance	
Extension distance of the smoke curtain	15 ÷ 40 m
Time for fumigation	Min. 60 s
Smoke duration	≥20s (IR) ≥30s(VIS)
Size of screen	
- for one grenade	Width ≥ 12m; Height ≥ 6 m
- salvo of eight grenades	Width 60 ÷ 70m; Height ≥ 6 ÷ 10m
Wave band covered	VIS 0,4 ÷ 0,7 μm IR 0,7 ÷ 14 μm
Recoil force	< 10,5 kN
Operating current	2,4 A
The threshold for non-initiation	1,2 A
Electrical circuit resistance	0,3 ÷ 2,5 Ω
Temperature range	
- function	-35°C ÷ +63°C (climate zone A1 to C2)
- operational storage	-51°C ÷ +710°C (climate zone A1 to C2)