

40/60 mm Round RILL-7MA
with Illuminating Grenade GILL-7MA

RILL-7MA
NSN:1310-50-001-4410

ROUNDS FOR LIGHT ANTI-TANK RECOILLESS SYSTEMS – RPG's

MAIN FEATURES:

The 40/60 mm Round **RILL-7MA** with Illuminating Grenade GILL-7MA is intended for:

- Illumination of the target area during night combat operations
 - for the purposes of reconnaissance and surveillance;
- Pointing the target;
- Provision of the firing with Anti-tank Guided Rocket System and direct firing Gun;
- Blinding of electronic optical and firing means of the enemy positioned in the surveillance posts.
- Execution of other tactical actions on the battlefield.

Performance:

- The Round consists of:
 - Illuminating Grenade GILL-7MA
 - Propellant Charge CP-713.
- The Grenade consists of:
 - Front illuminating part ILL-7MA
 - Sustainer motor SM-71
 - AF612/MTSQ DM93-2 (Pyrotechnic time-and superquick Fuze).
- 35 seconds of illumination at 350,000 candela (cd)



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TACTICAL-TECHNICAL CHARACTERISTICS	RILL-7MA
Caliber, mm	40 mm
Warhead caliber, mm	60 mm
Weight of Round, kg/lbs.	max 3.2 kg / 7.0 lbs.
Weight of Grenade GILL-7MA, kg/lbs.	max 2.7 kg / 5.9 lbs.
Maximum range, m/yds.	1,700 m / 1,859 yds.
Average muzzle velocity, m/s	100 m/s
Height of flare ejection, m/yds.	250 m / 273 yds.
Flare light intensity, cd	350,000 cd
Burning time of flare, s	35 seconds
Average rate of illuminating system descent, m/s	from 4-5 m/s
Operation temperature range, °C/°F	from -40°C to 50°C / -40°F to 122°F
CLASS OF EXPLOSION HAZARD:	1.2G, UN 0171

Weapon Systems
40 mm ARSENAL ATGL-L2 and Russian RPG-7V Light Anti-Tank Grenade Launchers.

PACKING	RILL-7MA
6 Rounds are packed in a wooden case as follows:	6 Grenades GILL-7MA (each one in airtight plastic bag) 6 Propellant Charges CP-713 (each one in a plastic container; each 3 pcs. plastic containers in an airtight plastic bag).
Dimensions, mm/in	895 x 481 x 275 mm / 35.2 x 18.9 x 10.8 in
Weight, kg/lbs.	40 kg / 88.1 lbs.
Volume, m ³	0.118 m ³