



## 40 mm L60 & L70



### General

- Single base seven perforated cylindrical grain contains Nitrocellulose (NC), Diphenylamine (DPA) and additives. It is used in 40mm L60 Bofors gun.
- Single base one perforated cylindrical grain contains Nitrocellulose (NC), Diphenylamine (DPA) and additives. It is used in 40mm L70 ammunition (for Bofors 40mm naval gun or similar guns).



### TECHNICAL SPECIFICATIONS

Type	L60	L70
Length (mm)	5 ± 0.3	6 ± 1
Diameter (mm)	2.6 ± 0.2	1.8 ± 0.2
Hole diameter (mm)	0.2 ± 0.05	0.25 ± 0.1
Web thickness (mm)	0.5 ± 0.1	0.8 ± 0.15
Diphenylamine(%)	1-2	1-2
Graphite (%)	≤ 0.4	≤ 0.4
Moisture & Volatiles (%)	0.4-2	0.4-2
Heat of explosion (cal/gr)	≤ 800	≤ 900
Stability at 134.5 °C (min)	≥ 40	≥ 40

### BALLISTIC SPECIFICATIONS

Type	L60	L70
Total charge (gr)	~ 380	~ 450
Average Velocity (m/s)	860 ± 10	1000 ± 5
Std. dev. of Velocity (m/s)	≤ 7	≤ 8
Average Pressure at +21°C (bar)	≤ 2900	≤ 4030
Max. Pressure at +63°C (bar)	≤ 3400	≤ 4500

PROPELLANT AND  
HIGH EXPLOSIVES

## 40 mm GMG

### General

Single base one perforated cylindrical grain contains Nitrocellulose (NC), Diphenylamine (DPA) and additives. It is used in 40mm gun machinery grenade ammunition.



### TECHNICAL SPECIFICATIONS

Length	1.8-2.5 mm
Diameter	0.45-0.65 mm
Hole diameter	0.1-0.2 mm
Diphenylamine	1-2 %
Moisture & Volatiles	0.4-2 %
Heat of explosion	950-1020 cal/gr
Stability at 134.5 °C	≥ 40 min

### BALLISTIC SPECIFICATIONS

Total charge	~ 0.4 gr
Average Velocity	241 ± 3 m/s
Std. dev. of Velocity	≤ 3.7 m/s