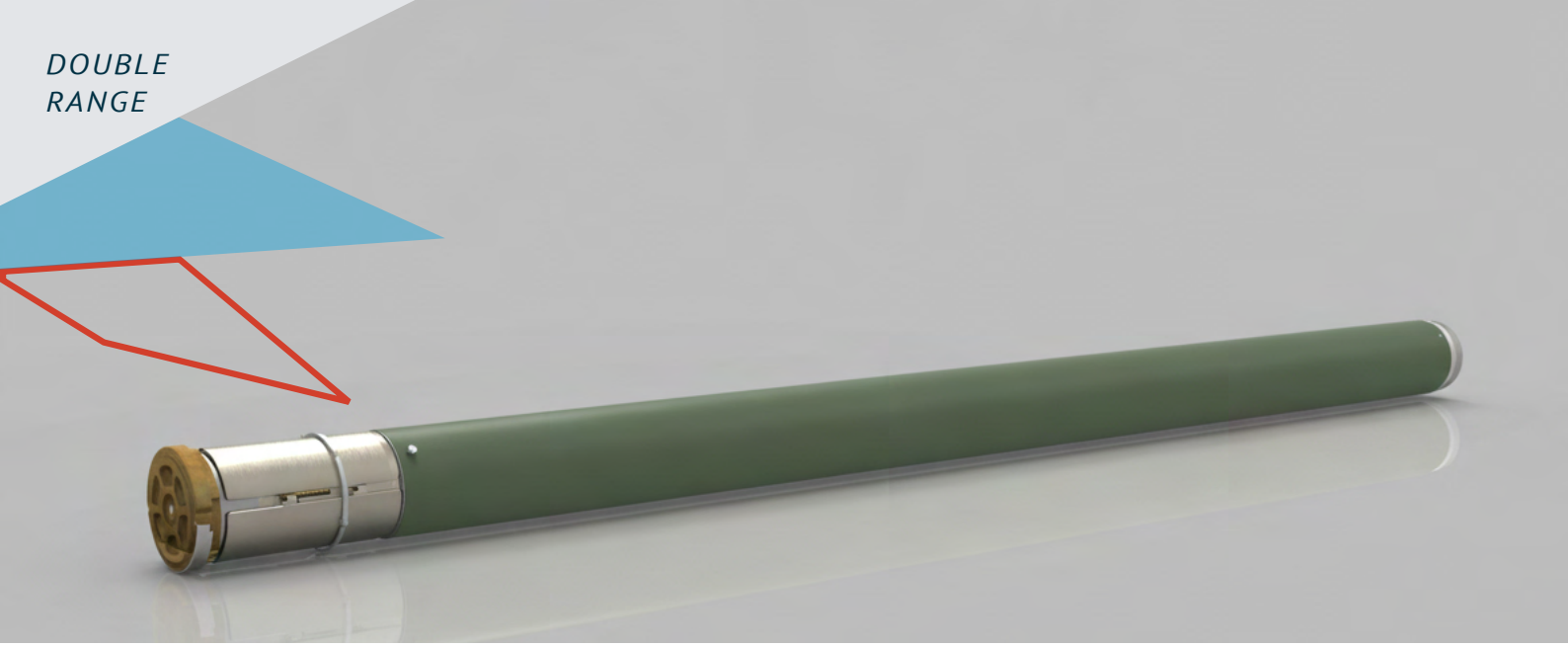


G-2000 ROCKET MOTOR 122mm

High-Performance Rocket Motor with Enhanced Range Capability

The G-2000 rocket motor is a modern single-grain design inhibited along the outer surface and front end. It uses two propellant types with different burn rates, giving a high loading factor, near-neutral burning, and minimal sliver. Despite having the same external dimensions as the original GRAD rocket motor, it delivers up to double the range, marking a major performance upgrade by EDePro's rocket engineering team. The grain is produced from a modern thermoplastic composite propellant with excellent energetic, mechanical, and ageing characteristics. The steel nozzle, protected with ablative materials, has a single graphite throat. The G-2000 rocket motor reaches the range of 40 km; with our in-house SL warhead 46 km; and with the SL+ 41 km.

MAIN SPECIFICATIONS

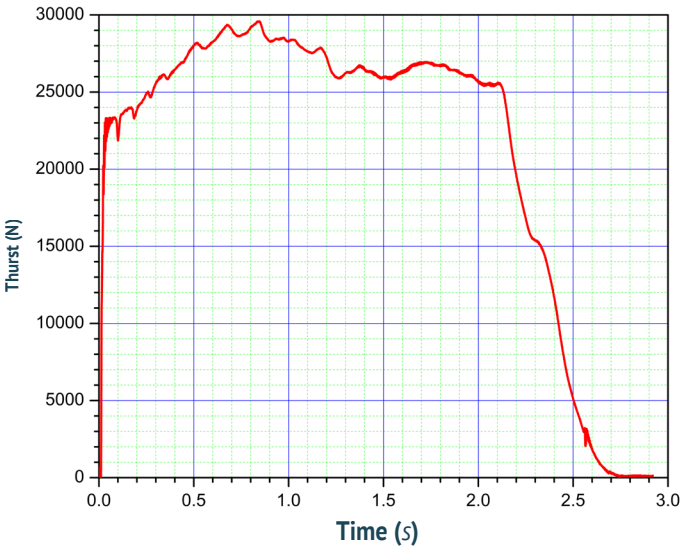
propellant mass 27kg

doubled range capability

compatible with all 122mm launchers

NSN 1340-73-000-0679

THRUST-TIME DIAGRAM



TECHNICAL SPECIFICATIONS

Parameter	Value
Caliber	122 mm
Propellant type	thermoplastic composit
RM mass	50 kg
Propellant grains's mass	27 kg
RM's Length	2,164 mm
Temperature range	-30 ÷ +60°C
Thread	M115x2
Igniter type	electrical pyrogenic
Ignition circuit electric	0.7 Ω - 3.0 Ω
Total motor impulse	62,500 Ns +/-400
Motor operating time	2.7s +/-0.3
Shelf life	10 yrs*
Armament fit	BM-21 GRAD MLRS, RM-70

*under proper storage conditions

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