

# G-2000 ROCKET MOTOR

MODERN ROCKET MOTOR  
ENGINEERED FOR EXCELLENCE

COMPATIBLE WITH STANDARD, SL, AND SL+  
HEADS, WITH RANGES VARYING **DEPENDING**  
**ON THE HEAD USED**



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122MM G-2000 GRAD ROCKET MOTOR

# MEET THE G-2000 ROCKET MOTOR



## 122MM G-2000 GRAD ROCKET MOTOR

G-2000 rocket motor is completely new modern design with single propellant grain, which is inhibited along the outer surface and front end. It contains two types of propellant, which differ in burning rate. This has resulted in a high-level loading factor, almost neutral burning and minimization of the sliver.

 THERMOPLASTIC COMPOSITE PROPELLANT



PROPELLANT WEIGHT 27KG

Solid rocket propellant used for grain production is modern thermoplastic composite propellant with excellent energetic, mechanical and aging characteristics. The steel nozzle with abounded ablative materials has one graphite throat.

When equipped with the original warhead, the G-2000 rocket motor reaches a maximum range of 40km; with the SL warhead the range extends to 46 km and with the SL+ warhead to 41 km.

## TECHNICAL SPECIFICATION

NSN 1340-73-000-0679

CALIBER 122MM

WEAPON COMPATIBILITY BM-21 GRAD MLRS, RM-70, AND SIMILAR

THREAD M115X2

ROCKET MOTOR LENGTH 2,164MM

ROCKET MOTOR WEIGHT 50 KG

PROPELLANT TYPE THERMOPLASTIC COMPOSITE

PROPELLANT WEIGHT 27 KG

IGNITER TYPE ELECTRICAL PYROGENIC

IGNITION CIRCUIT ELECTRIC RESISTANCE 0.7  $\Omega$  - 3.0  $\Omega$

TOTAL MOTOR IMPULSE 62,500 Ns +/-400

MOTOR OPERATING TIME 2.7S +/-0.3

OPERATING AND STORAGE TEMPERATURE RANGE -30 C - +60 C

SHELF LIFE 10 YEARS UNDER PROPER STORAGE CONDITIONS

