

# 122 mm, GRAD-2000

## Artillery rocket

The artillery rocket intended for impact, sudden and quick fire assaults on the surface targets or below the ground level. It has great efficiency against all types of targets: motor cars, non-armored and armored vehicles. Rocket is launched from different types of multi-tubes launchers: MLRS BM-21, MSVLR TAMNAVA 122 mm, MLRS RM-70, etc.

### TECHNICAL DATA:

|                            |                |
|----------------------------|----------------|
| Caliber                    | 122 mm         |
| Length                     | 2875 mm        |
| Total mass                 | 69 kg          |
| Mass of warhead with fuze  | 19,1 kg        |
| Charge mass                | 20,15 kg       |
| Motor total impulse        | 62250 Ns       |
| Motor specific impulse     | 2280 Ns        |
| Temperature range of use   | -30°C to +50°C |
| Optimal angle of elevation | 55°            |
| Range                      | 40 km          |

Rocket can be completed with two fuzes types:  
upper impact mechanical with point detonating and delay action (MRV-U) or with proximity fuze (URBE).

### PACKING:

|                           |                     |
|---------------------------|---------------------|
| 1 rocket in a wooden case |                     |
| Case dimension            | 2900 x 285 x 225 mm |
| Case gross weight         | 101 kg              |
| Case volume               | 0.21 m <sup>3</sup> |
| <b>UN no. 0295</b>        |                     |
| <b>Hazard class 1.2F</b>  |                     |

