

Rocket cal. 122 mm HE "GRAD"

ROCKET

Mass (kg)	66.780
Length (mm)	2 855
Initial speed (m/s)	690 – 700
Range of fire (m)	20 127

ROCKET ENGINE

Mass (kg)	47.1
Operating time (s)	1.87
Powder smokeless charge	Ngtp 91.5 × 37.5/895 (TPH-G)
Mass of powder smokeless charge (kg)	9.298
Back tube	Ngtp 102.5 × 3.75/895 (TPH-G)
Weight of back tube (kg)	11.298
Primer	9Ch227 (9Ch227-5)
Weight of primer (kg)	0.080

PROJECTILE

Mass (kg)	40
Length (mm)	2 740 – 2 751
Explosive	TGAF-5
Mass of explosive (kg)	3.148
Fuze	V-429E

PACKING

Number of complete rounds in 1 case	1
Gross weight (kg)	105
Dimensions of case	3 019 × 284 × 271
Classification	1.1E UN 0181

