

Rockets

Anti Tank Rocket

40 mm HEAT P1 Mk1 (RPG-7P)



This is an anti armour grenade used against tanks, self propelled guns and fortifications. It is fired from 40mm Recoilless Launcher, type 1969-1 or equivalent by loading through the muzzle end.

Performance

Maximum range	500 m
Effective range	300 m
Maximum velocity	300 m/s
Accuracy at 300 meters:	
SD (Horizontal)	0.5 m
SD (Vertical)	0.5 m
Penetration	300 mm thick Armour plate

Technical Data

Caliber	40 mm
Type of Warhead	HEAT
Length of rocket	925 mm
Weight of rocket	2.2 Kg

Packing

Each rocket placed in a polythene sleeve/plastic container and 6 rockets are packed in a wooden box:

Size of box	81 x 25.4 x 46.7 cm
Weight of box	35 Kg
Colour & marking	Service brown with yellow / white stenciling

Anti Tank Rocket

73 mm HE SPG-9



73 mm FSRA HEAT round is a Fin Stabilized Rocket Assisted High Explosive Anti Tank ammunition fired from its smooth bore Recoilless Launcher 73mm.

Performance

Maximum range	4500 m
Effective range	800 m
Muzzle Velocity	435 m/s
Accuracy at 800 meter:	CEP = 0.70 m
Dispersion at 4500 m	PE (R) = 1/140
(Maximum Range)	PE(L) = 1/500
Rate of Fire	6 rounds per minute

Technical Data

Length of rocket	1060 mm (Approx)
Weight of rocket	4.5 Kg (Approx)
Weight of filled shell	3.2 ± 0.04 Kg (without fuze) 3.295 ± 0.081 Kg (with fuze)
Weight of bursting charge	0.765 ± 0.055 Kg
Primer	Electric type
Fuze	GO-2 Point Detonation Impact Fuze or V9 P1 A2

Packing

Each warhead assembled with rocket motor placed in a polythene sleeve, while the expelling charge is separately placed in a nylon cylinder. 6 complete sets packed in a wooden box:

Size of box	102 x 50 x 32 cm
Weight of box with 6 rockets	48 Kg (Approx)
Colour & marking	Service brown with yellow/white stencilling

Anti Tank Rocket

73 mm FSRA HEAT SPG-9 (RAAD)



73 mm FSRA HEAT round is a Fin Stabilized Rocket Assisted High Explosive Anti Tank ammunition fired from its smooth bore Recoilless Launcher 73 mm.

Performance

Maximum range	1300 m
Effective range	800 m
Velocity (rocket booster)	690 ± 20 m/s at 300 m
Muzzle velocity	415 ± 12 m/s
Penetration	300 mm, against RHA target at zero Obliquity, conforming to DEF-STAN 95-13/2

Accuracy at 800 meter:

SD (Horizontal)	0.5 m
SD (Vertical)	0.5 m

Technical Data

Length of rocket	1131 mm
Weight of rocket	4.6 Kg
Weight of projectile	2.7 Kg
Type and weight of charge	RDX /WAX, 0.31 Kg
Primer	Electric type
Base Fuze	Bottom part VP 9
Nose Fuze	Head part VP 9

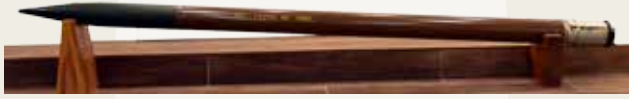
Packing

Each warhead assembled with rocket motor placed in a polythene sleeve, while the expelling charge is separately placed in a nylon cylinder. 6 complete sets packed in a wooden box:

Size of box	102 x 50 x 32 cm
Weight of box with 6 rockets	45 Kg (Approx)
Colour & marking	Service brown with yellow/white stencilling

Rockets

Rocket 122 mm HE (MBRL) YARMUK



Rocket 122mm HE (MBRL) is a ground to ground free flight artillery rocket fired from multi-tube launcher. It is used against personnel and light materials providing both fragmentation and blast effect.

Performance

Muzzle velocity	400 m/s
Max. time of flight	78 sec
Max. range without brake ring	20580 m
Max. range with small brake ring	15890 m
Max. range with large brake ring	11990 m

Accuracy:

PE range and deflection	80 meters and 168 meters respectively when fired at an elevation of 833 R 49 meters and 93 meters respectively when fired at an elevation of 750 R Black blast of rocket 50 m rear Functioning
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Technical Data

Length of complete rocket	2875 mm
Weight of complete rocket	66 Kg (approx)
Weight of filled warhead	18.4 Kg without Fuze 19.4 Kg with Fuze
Weight of bursting charge	6.4 Kg Compo B
Weight of propellant	20.4 Kg double base

Packing (Without Links)

Each rocket in a polythene sleeve and subsequently in a wooden box. Two brake rings kept in a pocket in the lid of the wooden box. Nose Fuze packed in a separate chipboard container and also kept in the box:

Size of box	323 x 21 x 23 cm
Weight of box	90 Kg
Colour & marking	Service brown with yellow / white stencilling