

40x53 mm Round **RHV-HEFDP** High Explosive Dual Purpose Grenade **GHV- HEDP**

NSN: 1310-50-001-7527

The 40x53 mm Round **RHV-HEFDP** is intended to destroy enemy manpower, vehicles, fortifications, and provide covering fire against objects at distance of up to 2200 m. The fully automatic function allows continuous bombardment of HEDP grenade rounds that can destroy objects within 6 meters of each detonation.

Weapon compatibility:

The rounds are designed to be fired from Automatic Grenade launchers, as follows:
GD/SACO Mk19, HK GMG, SB LAG40, and other Automatic Grenade Launchers, compatible with 40x53 mm High velocity Rounds, meeting NATO requirements.



PACKING	
Number of rounds in one metal box, type PA120	32-round loaded belt (links M16A2 type)
Metal box dimensions, mm/in	476 x 162 x 264 mm / 18.7 x 6.3 x 10.3 in
Case weight, kg/lbs.	19 kg / 41.8 lbs.
Case volume, m ³	0.02 m ³
Palletizing:	
Number of metal boxes, type PA120, in a flatiron tape-bound wooden pallet	1536 Rounds (32-round loaded belts) 48 metal boxes
Pallet dimensions, mm/in.	1300 x 1034 x 942 mm / 51.1 x 40.7 x 37.0 in
Pallet weight, kg/lbs.	950 kg / 2094.3 lbs.
Pallet volume, m ³ :	1.27 m ³

40x53 mm Round RHV-HEFDP High Explosive Dual Purpose Grenade GHV- HEDP

TECHNICAL CHARACTERISTICS	RHV- HEDP
Type	High Velocity, Long Distance, High-Explosive, Fragmentation,
Caliber, mm	40 x 53
Round length, mm/in	max 112 mm / 4.4 in
Round weight, kg/lbs.	max 0.365 kg / 0.8 lbs.
Linked, link type	32-round capacity metal belt, comprised of M16A2 disintegrating links
Grenade	
Type of Grenade	High Explosive Dual Purpose
Weight of Grenade, kg/lbs.	max 0.255 kg / 0.56 lbs.
Explosive filling type	RDX composition
Weight of Explosive Filling, kg/lbs.	0.034 kg / 0.07 lbs.
Propelling Charge	
Primer	not less than 7 m
Cartridge case material	percussion, FED 215 (or equivalent)
Propellant type	aluminum alloy
Weight of Propellant, kg/oz.	NC Single base
Fuze	
Fuze type	0.004 kg / 0.14 oz.
Fuze type	AF420 – point initiating base detonating (PIBD), time and super quick, with check action, distant arming and self-destruction
Propellant charge	NBPI-14-10
Primer	KVM-3
Fuze AF35	
Type	Point Detonating, with super quick and check action, distance arming, self-destruction
Thread Size	1 15/32"-24UNS-2A
Weight, kg/lbs.	max 0.082 kg / 0.18 lbs.
Fuze safety (Not armed distance), m	18 m
Fuze armed distance, m	60 m
BALLISTIC CHARACTERISTICS	
Muzzle velocity, m/s (measured at 24 m from muzzle)	237±10
Max Firing Range, m	2200 m
Operation Temperature Range, °C/°F	from -54°C to 52°C / -65°F to 125°F
DESTRUCTIVE CHARACTERISTICS	
Armor penetration, mm/in.	50 mm / 1.9 in RHA and 63 mm / 2.4 in. Mild Steel (at 60 m from muzzle at 0 degree. NATO)
Radius of defeat, m	6 m
CLASS OF EXPLOSION HAZARD	1.1E, UN 0006