



23x152 mm Round HEI / High-Explosive Incendiary Projectile
23x152 mm Round HEI-T / High-Explosive Incendiary Tracer Projectile

23x152 mm Round HEI
NSN:1305-50-001-2608

NSN:1305-50-001-2606

23x152 mm Round HEI-T
NSN:1305-50-000-0298
NSN:1305-50-000-0720

The Rounds are compatible with 23 mm ADS / ADS-N / ZU-23-2 / ZU-23-2F and ZSU-23-4.
 Intended to defeat air targets, ground unarmored and light armored vehicles and manpower.

Ungraded all-weather Fuze AF22:

- Features the same sensitivity upon impact on solid surface as AF21 (e.g. cardboard, wood, duraluminium, steel, etc.),
- It is provided with better moisture protection in comparison with Fuze AF21, however it does not detonate upon collision with raindrops.

TECHNICAL DATA	HEI	HEI-T
Caliber, mm	23 x 152	23 x 152
Projectile type	High-Explosive Incendiary	High-Explosive Incendiary with Tracer
Round length, mm/in	from 234.28 to 237.12 mm / 9.2 to 9.3 in	from 234.28 to 237.12 mm / 9.2 to 9.3 in
Round weight, g/oz.	approx. 450 g / 15.8 oz.	approx. 450 g / 15.8 oz
Projectile weight, g/oz.	approx. 186 g / 6.6 oz.	approx. 188.5 g / 6.6 oz.
Primer	Percussion Primer No3	Percussion Primer No3
Tracer burning time, s	-	not less than 5 seconds
Explosive filling type	A-IX-2	A-IX-2
Explosive filling weight, g/gr	approx. 17.3 g / 267 gr.	approx. 13.2 g / 203 gr.
Fuze type	AF21, MG-25, AF22, V19UK	AF21, MG-25, AF22, V19UK
Fuze arming distance, m	from 2.5 to 100 m	from 2.5 to 100 m
Self-destruction time, s	from 5 to 12 seconds	from 5 to 12 seconds
Average muzzle velocity, V _o aver, m/s	970	970
Average max Pressure at 15°C/59°F P _{max} aver, MPa/PSI	not more than 286.94 MPa / 41,617 PSI	not more than 286.94 MPa / 41,617 PSI
Propellant type	5/7 Cfl	5/7 Cfl
Case material	steel	steel
Operational temperature range, °C/°F	from -50°C to 50°C / -58°F to 122°F	from -50°C to 50°C / -58°F to 122°F
CLASS OF EXPLOSION HAZARD	1.1F, UN 0005	1.1F, UN 0005

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PACKING	HEI	HEI-T
Number of rounds in one wooden case	84 rounds 28 pcs packed in a metal airtight box 3 pcs. metal box in a wooden case	84 rounds 28 pcs packed in a metal airtight box 3 pcs. metal box in a wooden case
Wooden case dimensions, mm/in	875 x 398 x 206 mm / 34.4 x 15.6 x 8.1 in	875 x 398 x 206 mm / 34.4 x 15.6 x 8.1 in
Gross weight, kg/lbs.	55 kg / 121.2 lbs.	55 kg / 121.2 lbs.
Volume, m ³	0.072 m ³	0.072 m ³

