



23x152 mm Round RAPIT-C Armor-Piercing Incendiary Tracer Projectile (tungsten alloy core)

23x152 mm Round API Armor Piercing Incendiary Projectile

23x152 mm Round API-T Armor Piercing Incendiary Tracer Projectile

23x152 mm Round AP-T Armor Piercing Tracer Projectile

23x152 mm Round RAPIT-C = NSN:1305-50-001-4074

23x152 mm Round API = NSN:1305-50-001-1898

23x152 mm Round API-T = NSN:1305-50-000-0303

23x152 mm Round AP-T = NSN:1305-50-000-0419

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.

TECHNICAL DATA	RAPIT-C	API	API-T	AP-T
Caliber, mm	23 x 152 mm	23 x 152 mm	23 x 152 mm	23 x 152 mm
Projectile type	Armor Piercing Incendiary with Tracer	Armor Piercing Incendiary	Armor Piercing Incendiary with Tracer	Armor Piercing Tracer
Round length, mm/in	from 234.36 to 237.16 mm / 9.2 to 9.3 in	from 234.36 to 237.16 mm / 9.2 to 9.3 in	from 234.36 to 237.16 mm / 9.2 to 9.3 in	from 234.36 to 237.16 mm / 9.2 to 9.3 in
Round weight, g/oz	approx. 450 g / 15.8 oz.	approx. 450 g / 15.8 oz.	approx. 450 g / 15.8 oz.	approx. 450 g / 15.8 oz.
Projectile weight, g/oz	approx. 193 g / 6.8 oz.	approx. 185.6 g / 6.5 oz.	approx. 185.6 g / 6.5 oz.	approx. 185.6 g / 6.5 oz.
Primer	Percussion Primer No3	Percussion Primer No3	Percussion Primer No3	Percussion Primer No3
Tracer burning time, s	not less than 3 seconds	-	not less than 5 seconds	not less than 5 seconds
Average muzzle velocity, V_{0aver} , m/s	970	970	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	not more than 286.94 MPa / 41,617 PSI	not more than 286.94 MPa / 41,617 PSI
Penetration*, distance, mm/in.	at 700 m: 40 mm / 1.5 in. at 1 000 m: 25 mm / 0.9 in.	at 700 m: 15 mm / 0.5 in. at 1 000 m: 10 mm / 0.3 in.	at 700 m: 15 mm / 0.5 in. at 1 000 m: 10 mm / 0.3 in.	at 700 m: 15 mm / 0.5 in. at 1 000 m: 10 mm / 0.3 in.
*Penetration test is proved by firing on 15 mm / 0.59 in. armor plate, placed at 100 m from the muzzle, at 60° towards the firing line and projectile impact velocity $V_{impact} = 680 \pm 20$ m/s.				
Propellant type	5/7 Cfl	5/7 Cfl	5/7 Cfl	5/7 Cfl
Case material	steel	steel	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	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	1.2C, UN 0328	1.2C, UN 0328	1.2C, UN 0328	1.2C, UN 0328

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23x152 mm Round API-T / Armor Piercing Incendiary Tracer Projectile

23x152 mm Round AP-T /Armor Piercing Tracer Projectile

PACKING	RAPIT-C	API	API-T	AP-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			
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	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.	55 kg / 121.2 lbs.	55 kg / 121.2 lbs.
Volume, m ³	0.072 m ³	0.072 m ³	0.072 m ³	0.072 m ³

