

30x165 mm Rds. RAPIT-C - Armor-Piercing Incendiary Tracer Projectile

30x165 mm Rds. AP - Armor-Piercing Projectile

30x165 mm Rds. AP-T - Armor-Piercing Tracer Projectile

30x165 mm RAPIT-C = NSN: 1305-50-000-0423

30x165 mm AP = NSN: 1305-50-001-1899

30x165 mm AP-T = NSN: 1305-50-000-0304

The Rounds are used to defeat air and ground unarmored and light armored targets. The Round with a tracer projectile ensures the flight trajectory visibility and allows fire adjustment. In addition to RAPIT-C higher piercing ability, the Round is characterized with incendiary effect behind the armor, which distinguishes it from the known rounds with AP projectile.

The Rounds are compatible with:

Automatic guns: 2A38 / 2A42 / 2A72;

Mounted on Infantry Fighting Vehicles: BMP-2 / BMP-3 / BMD-2 / BMD-3 / BTR-80A;

Reconnaissance Vehicle "RIS" / Air-Defence Complex "Tunguska";

Attack Helicopters Ka-50 / Mi-28 / Mi-24P.

TECHNICAL DATA	RAPIT-C	AP	AP-T
Caliber, mm	30 x 165	30 x 165	30 x 165
Projectile type	Armor-piercing Incendiary Tracer	Armor-piercing	Armor-piercing Tracer
Round length, mm/in	from 289.39 to 292.84 mm / 11.3 to 11.5 in	from 289.39 to 292.84 mm / 11.3 to 11.5 in	from 289.39 to 292.84 mm / 11.3 to 11.5 in
Round weight, g/oz.	approx. 858 g / 30.0 oz.	approx. 858 g / 30.0 oz.	approx. 858 g / 30.0 oz.
Projectile weight, g/oz.	approx. 406 g / 14.3 oz.	approx. 406 g / 14.3 oz.	approx. 406 g / 14.3 oz.
Primer	KV-3-1	KV-3-1	KV-3-1
Tracer burning time, s	not less than 3 seconds	-	not less than 3 seconds
Average muzzle velocity, V_{0aver} , m/s	970	970	970
Average max Pressure at 15°C/59°F $P_{max_{aver}}$, MPa	not more than 353.04 MPa / 51,204 PSI	not more than 353.04 MPa / 51,204 PSI	not more than 353.04 MPa / 51,204 PSI
Penetration*, distance, mm/in	at 100 m: 60 mm / 2.3 in at 500 m: 50 mm / 1.9 in at 1000 m: 45 mm / 1.7 in at 1500 m: 40 mm / 1.5 in	at 500m: 22 mm / 0.8 in at 1000m: 18 mm / 0.7 in at 1500m: 14 mm / 0.5 in	at 500m: 22 mm / 0.8 in at 1000m: 18 mm / 0.7 in at 1500m: 14 mm / 0.5 in
Propellant type	6/7 P-5 BPfl	6/7 P-5 BPfl	6/7 P-5 BPfl
Case material	Steel (zinc plated)	Steel (zinc plated)	Steel (zinc plated)
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
CLASS OF EXPLOSION HAZARD:	1.1E; UN 0006		

* Penetration test is proved by firing on 20 mm armor plate, placed at 100 m from the muzzle, at 30° towards the firing line and projectile impact velocity $V_{impact}=800\pm 10$ m/s

30x165 mm Rounds RAPIT-C - Armor-Piercing Incendiary Tracer Projectile

30x165 mm Rounds AP - Armor-Piercing Projectile

30x165 mm Rounds AP-T - Armor-Piercing Tracer Projectile

PACKING	RAPIT-C / AP / AP-T
Number of rounds in one wooden case	54 rounds 18 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
Gross weight, kg/lbs.	65 kg / 143.3 lbs.
Volume, m ³	0.072 m ³



30 mm
RAPIT-C



30 mm
AP



30 mm
AP-T