



مجمع الشجرة الصناعي - الزخيرة
AL-SHAGARA INDUSTRIAL COMPLEX

Excellence Award Winners



مِنظومة الصِّناعة الدِّفاعية
DEFENCE INDUSTRIES SYSTEM
SUDAN - MASAD - السودان

7.62×54mm R API Cartridge

Rimmed rifle cartridge mainly used in designated marksman and sniper rifles like the Dragunov sniper rifle, SV-98 and machine guns like the PKM. The steel core allowed for better intermediate ballistic.

Technical Specifications:		
Structure	Bullet	Bimetal jacket, steel core, lead sheath
	Case	Bimetal
	Primer	Non-corrosive, Berdan primer
	Propellant powder	Single base
Technical Parameters	Cartridge length	77mm
	Cartridge weigh	22.45g
	Bullet weight	9.6g
	Initial velocity	$V_{25} = 820 \sim 835\text{m/s}$
	Maximum chamber pressure	$P_{m(55)} \leq 975\text{MPa}$
	Accuracy	300m : $R50 \leq 8.4\text{cm}$
Matching Firearms	Heavy machine gun	7.62mm type 57 heavy machine gun
	Dual-purpose machine gun (light or heavy)	7.62mm type 67-2 dual purpose machine gun
Packaging		
Packing	Ordinary packing	100 rounds / plastic bag, 1000 rounds / wooden case, gross weight: 27.2kg / wooden case
Volume of packing	Ordinary packing	(length × width × height): (0.54×0.25×0.25) m 0.034m ³

