



مجمع الشجرة الصناعي - الزخيرة

AL-SHAGARA INDUSTRIAL COMPLEX

Excellence Award Winners



مِنظومة الصِّناعة الدِّفاعية

DEFENCE INDUSTRIES SYSTEM
SUDAN - MASAD - السودان

7.62×39mm Ball Cartridge (M43)

Rimless bottlenecked intermediate cartridge. The cartridge is widely used due to the worldwide proliferation of Russian SKS and AK-47 pattern rifles, as well as RPD and RPK light machine guns.

Technical Specifications:		
Structure	Bullet	Bimetal jacket, lead core
	Case	Bimetal
	Primer	Non-corrosive, Berdan primer
	Propellant powder	Single base
Technical Parameters	Cartridge length	56mm
	Cartridge weigh	16.4g
	Bullet weight	8g
	Initial velocity	$V_{25} = 725 \pm 15\text{m/s}$
	Maximum chamber pressure	$P_{m(36.6)} \leq 275\text{MPa}$
	Accuracy	20cm (L+W)
Matching Firearms	Caliber 7.62×39mm	7.62mm type 56 Semi-automatic rifle (CKC), type 56 sub-machine gun (AK47-), type 56 light machine gun (RPK)
Packaging		
Packing	Ordinary packing	150 rounds/ plastic bag, 750, 1500 rounds/ wooden case, gross weight: 29.3kg/ wooden case
Volume of packing	Ordinary packing	(length × width × height): (0.480×0.280×0.225) m 0.03024m ³ (wooden case)

