



مجمع الشجرة الصناعي - الزخيرة

AL-SHAGARA INDUSTRIAL COMPLEX

Excellence Award Winners



مِنظومة الصِّناعة الدِّفاعية

DEFENCE INDUSTRIES SYSTEM
SUDAN - MASAD - السودان

7.62×51mm NATO Ball Cartridge (M80)

Rimless, bottlenecked rifle cartridge. It is a standard for small arms among NATO countries.

Technical Specifications:		
Structure	Bullet	Bimetal jacket, lead core
	Case	Brass
	Primer	Non-corrosive, Berdan primer
	Propellant powder	Single base
Technical Parameters	Cartridge length	71mm
	Cartridge weigh	24g
	Bullet weight	9.45g
	Initial velocity	$V_{25} = 835 \pm 20\text{m/s}$
	Maximum chamber pressure	$P_{m(36.6)} \leq 325\text{MPa}$
	Accuracy	20cm (L+W)
Matching Firearms	Caliber 7.62×51mm	G3, G4, M41, M14, G3A3, MAG, MG3
Packaging		
Packing	Ordinary packing	100 rounds / plastic bag, 1000 rounds / wooden case, gross weight: 30kg / wooden case
Volume of packing	Ordinary packing	(length × width × height): (0.54×0.27×0.24) m 0.035m ³

