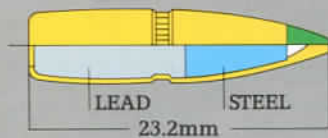


5.56mm
Penetrator-M 855

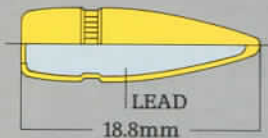
SMALL CALIBER AMMUNITION



Projectiles



5.56mm M 855
Penetrator (4.02GM)



5.56mm U.S. M-193 Ball (3.56GM)

5.56mm Penetrator-M 855

The 5.56 × 45mm Penetrator cartridge manufactured to U.S. Military specifications by Olin Corporation has a 4.02 gram special projectile.

Because of its special hardened steel core, the 5.56mm Penetrator cartridge has vastly superior penetration capability to the standard 5.56mm M193 cartridge. The 5.56mm Penetrator cartridge offers superior effectiveness against body armor and helmets.

The 5.56mm Penetrator exceeds NATO requirements.

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427 North Shamrock
East Alton, IL 62024
Telex: 44855-Olin-Altn
Fax: 618-258-3370
Phone: 618-258-2000



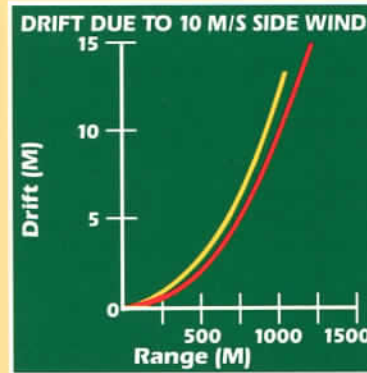
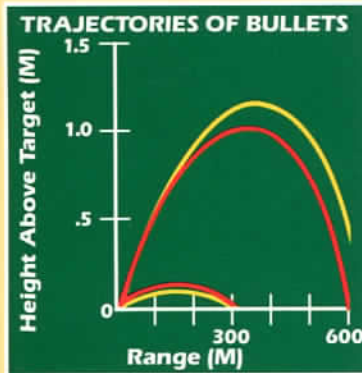
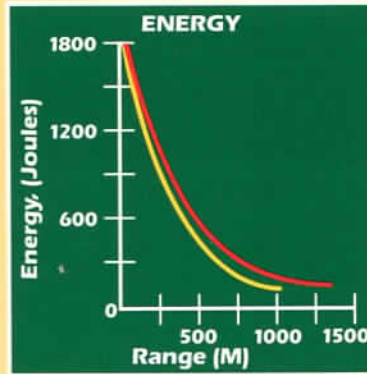
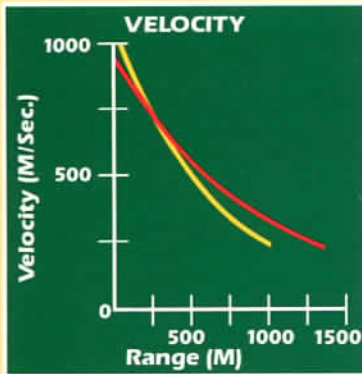
THE MARK OF QUALITY

SMALL CALIBER AMMUNITION

5.56mm Penetrator-M 855

Exterior Ballistics

5.56mm Penetrator ■ vs. 5.56mm M-193 Ball ■



Olin-Winchester's successful history of supporting the Armed Forces from Research and Development to full production has consistently produced a quality product that our users can always depend on.

Comparative Data 5.56 45mm

Cartridge	M193 Ball	5.56mm Penetrator
Cartridge Weight, GM	11.8	12.3
Powder Weight, GM	1.83	1.75
Bullet Length, MM	18.8	23.2
Bullet Weight, GM	3.56	4.02
Velocity, M/Sec.		
Muzzle	996.2	944.8
@300m	652.2	677.7
@600m	385.8	455.7
Energy, Joules		
Muzzle	1768.6	1793.5
@300m	758.0	922.5
@600m	265.2	417.0
Time of Flight, Sec.		
@300m	.372	.373
@600m	.975	.917
@1000m	2.276	2.044
Drop From Horizontal, M		
@300m	-.592	-.615
@600m	-3.472	-3.276

5.56mm Penetrator Testing

Fired From
M16 A2-Actual Range Tests

Target	Thickness	Range Meters	% of Rounds Penetrating Fully
Nato Plate	3.5mm	600m	100%
10GA SAE 1010 or		600m	100%
1020 RB 35-70 &		600m	100%
Aluminum			
Witness Plate			
U.S. Helmet		1100m	100%

7.62mm SLAP®

SMALL CALIBER AMMUNITION



7.62mm SLAP® Saboted Light Armor Penetrator

The Olin 7.62mm SLAP® cartridge has proven superior to any known 7.62mm cartridge in the world in terms of armor penetration.

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THE MARK OF QUALITY

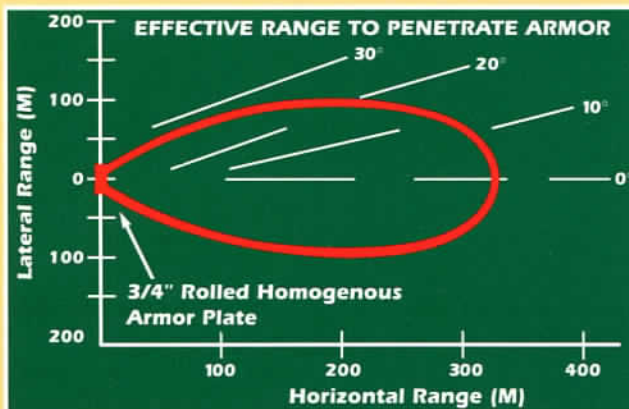
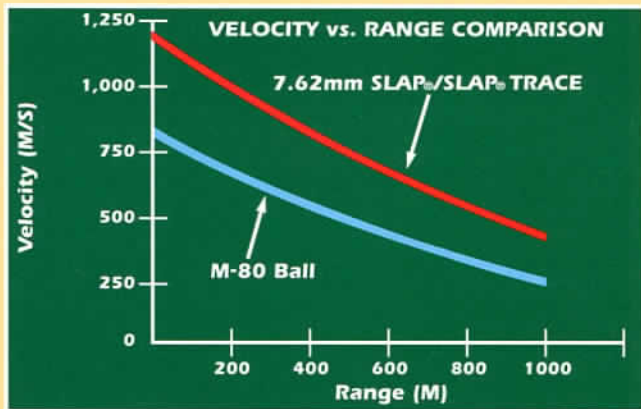
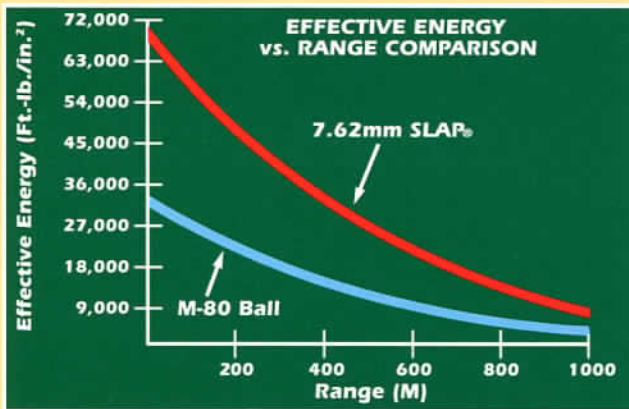
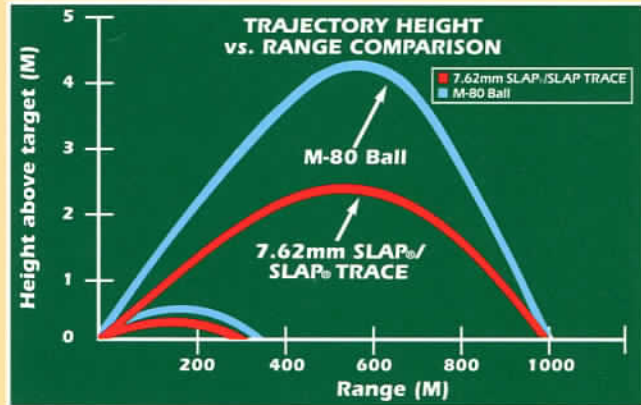
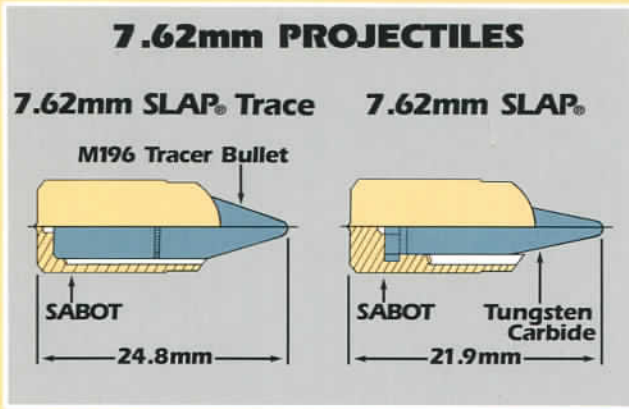
SMALL CALIBER AMMUNITION

7.62mm SLAP®

Saboted Light Armor Penetrator

Olin has also developed a companion tracer round for 7.62mm SLAP.

The trace round does not provide the penetration capability of the SLAP® round but, was developed to match the trajectory of the 7.62mm SLAP® round. Tests conducted confirmed trajectory match to within 0.1 mils.



Weapon Compatibility

- M-60 Machine Gun
- M-60E3 Lightweight Machine Gun
- 7.62 Mini Gun M134/GAU-2/R
- 7.62mm Bolt Action Rifles
- M240 Armor Machine Gun