

.277 TVCM

.277 TrueVelocity (TVCM) is a polymer composite cased cartridge developed by a Texas based company called TrueVelocity. It is one of three entrants into the 6.8 NGSW program.

| Cartridge Name | Bullet Mass (g) | Velocity (m/s) from 500mm Barrel | Ballistic Coefficient | Max Range (m) @ 35c | Damage | Penetration | Caliber (mm) | RHA Penetration (MM) | Flesh Penetration (MM) | Concrete Pen (MM) |
|----------------|-----------------|----------------------------------|-----------------------|---------------------|--------|-------------|--------------|----------------------|------------------------|-------------------|
| XM1168 Ball | 9.072 | 914 | 0.45 | 2050 | 12 | 1.5 | 7mm | 20.565 | 342.75 | 109.68 |
| XM1169 Match | 10.036 | 950 | 0.725 | 2550 | 17.5 | 0.6 | 7mm | 8.55 | 142.5 | 45.6 |
| XM1170 AP | 9.5 | 875 | 0.475 | 2000 | 13.4 | 2.5 | 7mm | 32.8125 | 546.875 | 175 |
| XM1171 HAPI | 18.144 | 820 | 0.35 | 1300 | 19 | 4 | 7mm | 49.2 | 820 | 262.4 |

Damage.png
Velocity (m_s).png

ballistic-coefficient.png

RHA Penetration (MM), Flesh Penetration (MM) and Concrete Pen (MM).png

Ballistic Coefficient.png

Bullet Drop in MRAD @ 15c.png