

# THE eXact iMPact 1006 (XM1006)

FIGURE 1

***Technical Specifications***

Caliber: 40mm      Propellant: Smokeless  
 Mass: 30 grams      Velocity: 325 fps

***Aerodynamic Properties***

Drag Coefficient: 0.22  
 Gyroscopic Stability Factor: 1.32

***Impact Energies***

	Muzzle	15 feet	30 feet	45 feet	60 feet	75 feet
Velocity	325 fps	318.1	311.2	304.3	297.4	290.5
KE	108.4 ftlbs	103.8	99.4	95	90.8	86.6
Momentum	9.75 kgft/s	9.54	9.34	9.13	8.92	8.72

***Probability of Lethality***

Sturdivan: 0.003  
 Blast Overpressure: 0.0017  
 Edgewood "dose" model: 0.0

***Blunt Trauma***

Clay: 36.4mm @ 324 fps  
 Gelatin: 63.5mm @ 328 fps  
 3-Rib Chest Structure: VC Max 0.21 @ 300fps

FIGURE 2

