

40MM LOW VELOCITY

TECHNICAL SPECIFICATIONS

	HE S405A	HE-SD S433	HEDP S401B	HEDP-SD S408	TP S406C	TPT DNM S453	Smoke	Illum / Illum IR
General								
Application	Anti-Personnel	Anti-Personnel with Self-Destruct capability	Anti-Personnel & Anti-Armour	Anti-Personnel & Anti-Armour with Self-Destruct capability	Target Practice	Day & Night Target Practice Marker / with Tracer	Smoke Screening	Illumination / with IR
Length	104 mm	104 mm	104 mm	104 mm	100 mm	104 mm	100 mm	134 mm
Weight	220 g	240 g	220 g	240 g	215 g	220 g	180 g	280 g
Primer Type	Percussion	Percussion	Percussion	Percussion	Percussion	Percussion	Percussion	Percussion
Charge	Pre-fragmented / Comp A5	Pre-fragmented / Comp A5	Pre-fragmented with Shaped Charge / Comp A5	Pre-fragmented with Shaped Charge / Comp A5	Orange Dye	Orange Dye / Luminous Dye	Smoke Pellet	Illuminating Payload / IR Payload
Fuze	Point Initiating, Base Detonating (PIBD)	PIBD Self-Destruct	PIBD	PIBD Self-Destruct	-	-	Delay	Delay
Arming Distance	14 m to 28 m	14 m to 28 m	14 m to 28 m	14 m to 28 m	-	-	-	-
Operating Temperature	-40°C to +63°C	-40°C to +63°C	-40°C to +63°C	-40°C to +63°C	-40°C to +63°C	-20°C to +63°C	-40°C to +63°C	-40°C to +63°C
Hazard Classification	1.1E	1.1E	1.1E	1.1E	1.4C	1.4C	1.4G	1.3G
UN Number	0006	0006	0006	0006	0339	0339	0303	0054
Performance								
Muzzle Velocity	76 m/s	76 m/s	76 m/s	76 m/s	76 m/s	76 m/s	76 m/s	76 m/s
Maximum Range	400 m	400 m	400 m	400 m	400 m	400 m	Up to 250 m	180 m (Altitude)
Capability	Blast with fragmentation	Blast with fragmentation and self-destructs	Penetrates 63mm mild steel or 50mm RHA plate	Penetrates 63mm mild steel or 50mm RHA plate, and self-destructs	Emits visible colour cloud upon impact	Emits visible colour cloud upon impact in day and night, visible through both IR and thermal sights / trace	Smoke duration of up to 25 sec	Illumination of approx. 90,000 candela / 3,000 candela with IR
Weapon Compatibility	STK 40GL, HK69A1, M203, M79, AG36, MK13, M320A1, Milkor and Rippel Effect MGL							
Packaging								
Packing	18 rounds in M2A1 metal box							
Dimensions	300 mm (L) x 155 mm (W) x 185 mm (H)							
Volume	0.008 m ³							
Gross Weight	8 kg						6.5 kg	8 kg

Note: Specifications are subject to change by the manufacturer without prior notice.

40MM LOW VELOCITY AMMUNITION



40mm Low Velocity Ammunition

ST Engineering's family of 40mm low velocity ammunition provides the warfighter with the best existing medium to deliver various types of payloads and effects without additional significant load and logistical burden. With advances in technology, ST Engineering's comprehensive suite of solutions allows the warfighter to deal with new threats while enhancing survivability and effectiveness in urban and populated environments.



Blast effects of HE cartridge



Penetration of 78mm RHA plate by HEDP cartridge

Conventional Engagement



High Explosive S405A



High Explosive Dual Purpose S401B



High Explosive with Self-Destruct Fuze S433



High Explosive Dual Purpose with Self-Destruct Fuze S408



Smoke



Illuminating / Illuminating IR

Less-Than-Lethal



Single Baton



Multi-Pellet



Sound & Flash



Riot Aerial Marker (RAM)

Surveillance



Camera SPARCS S407 / SPARCS Compass S434

Urban Engagement



Programmable Air Bursting Munitions



Enhanced Blast Insensitive explosive (EBIX) Ammunition



Training



Practice / Tracer



TPT Day & Night Marker S453

Other 40mm Weapons & Munitions



40mm Grenade Launcher Mk1 (40GL Mk1)



40GL Mk1 mounted on SAR21



Low Velocity Air Bursting Munition System (LV ABMS)



40mm Automatic Grenade Launcher Mk2 (40AGL Mk2)



High Velocity Air Bursting Munition System (HV ABMS)



40 x 53mm High Velocity