

40mm EBIX



40mm Enhaned Blast Insensitive Explosive Ammunition

- Primary injury mechanisms are blast, heat and fragments
- Fireball and blast can propagate to adjacent areas to incapacitate targets which cannot be reached by projectile fragments
- Blast pressure is intensified within a confined area
- Improved safety with IM characteristics
- Available for both Low Velocity and High Velocity Ammunition
 - High Explosive
 - High Explosive with Self Destruct
 - High Explosive Dual Purpose
 - High Explosive Dual Purpose with Self Destruct





Comparison of blast effect between conventional HE and EBIX ammunition



Easily loaded in current grenade launchers

Enhanced Capability for Urban Engagement

- Enhanced blast effects over conventional HE ammunition
- EBIX is effective in enclosed spaces such as tunnels, buildings and field fortifications

Benefits of Insensitive Munitions

- Improved safety
- Greater flexibility in storage, transportation and use

Technical Specifications

	High Velocity		Low Velocity	
	HE-SD EBIX S428	HEDP-SD EBIX S425	HE-SD EBIX S437	HEDP-SD EBIX S435
	General			
Applications	Anti-Personnel with Enhanced Blast Effects and Self Destruct Capability	Anti-Personnel, Anti-Armour with Enhanced Blast Effects and Self Destruct Capability	Anti-Personnel with Enhanced Blast Effects and Self Destruct Capability	Anti-Personnel, Anti-Armour with Enhanced Blast Effects and Self Destruct Capability
Length (mm)	112	112	104	104
Weight (g)	350	350	240	240
Primer Type	Percussion	Percussion	Percussion	Percussion
Warhead/Charge	Prefragmented/MX09	Shaped charge/MX09	Prefragmented/MX09	Shaped charge/MX09
Fuze	SF805	SF805	SF808	SF808
Arming Distance (m)	18 to 40	18 to 40	14 to 28	14 to 28
Operating Temperature (°C)	-40 to +63	-40 to +63	-40 to +63	-40 to +63
Hazard Classification	1.1E	1.1E	1.1E	1.1E
UN Number	0006	0006	0006	0006
	Performance			
Muzzle Velocity (m/s)	242	242	76	76
Maximum Range (m)	2200	2200	400	400
Lethal Radius (m)	5	5	5	5
Penetration	-	63mm thick mild steel or 50mm RHA plate	-	63mm thick mild steel or 50mm RHA plate
	Weapon Compatibility			
	CIS40AGL Automatic Grenade launcher; US Mk19 Mod 3; H&K 40GMG; GDSBS 40LAG; ST Kinetics Light Weight Automatic Grenade Launcher (LWAGL)		CIS40GL Grenade launcher; HK69A1; M203, M79	

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