

Technical Specifications

| | HEDP S411 | HEDP-SD S413 | HE S412 | HE-SD S427 | TP S416A / TP-T S415A | TPM S422 / TPT M S423 | TPT Day & Night Marker | F&B S429 |
|-----------------------------------|-----------------------------|-----------------------------------------------------------|--------------------------|----------------------------------------------|-------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------|
| General | | | | | | | | |
| Applications | Anti-Personnel, Anti-armour | Anti-Personnel, Anti-armour with Self-Destruct Capability | Anti-Personnel | Anti-Personnel with Self-Destruct Capability | Target Practice / with Tracer | Target Practice Marker / with Tracer | Day & Night Target Practice Marker / with Tracer | Target Practice with Flash & Bang |
| Length (mm) | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
| Weight (g) | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 |
| Primer Type | Percussion | Percussion | Percussion | Percussion | Percussion | Percussion | Percussion | Percussion |
| Warhead/Charge | Comp A5 with Shaped charge | Comp A5 with Shaped charge | Comp A5 Pre-fragmented | Comp A5 Pre-fragmented | Solid Aluminium / with Tracer | Orange dye / with Tracer | Orange dye / Luminous dye | Report Charge |
| Fuze | SF802 | SF805 | SF802 | SF805 | - | - | - | SF802 |
| Arming Distance (m) | 18 to 40 | 18 to 40 | 18 to 40 | 18 to 40 | - | - | - | 18 to 40 |
| Operating Temperature (°C) | -40 to +63 | -40 to +63 | -40 to +63 | -40 to +63 | -40 to +63 | -40 to +63 | -20 to +63 | -40 to +63 |
| Hazard Classification | 1.1E | 1.1E | 1.1E | 1.1E | 1.4C | 1.4C | 1.4C | 1.3G |
| UN Number | 0006 | 0006 | 0006 | 0006 | 0339 | 0339 | 0339 | 0430 |
| Performance | | | | | | | | |
| Muzzle Velocity (m/s) | 242 | 242 | 242 | 242 | 242 | 242 | 242 | 242 |
| Maximum Range (m) | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 |
| Lethal Radius (m) | 5 | 5 | 5 | 5 | - | - | - | - |
| Capability | Penetrate 78mm RHA plate | Penetrate 78mm RHA plate with Self-Destruct | Blast with Fragmentation | Blast with Fragmentation and Self-Destruct | Trace of minimum 7 Seconds | Provide clear visible colour cloud upon impact / trace of minimum 7 Seconds | Provide visible colour cloud upon impact in day & night / trace | Provide sound and flash upon impact |

Weapon Compatibility

CIS 40AGL, STK 40LWAGL, HK 40GMG, MK19 Mod 3, MK47 Mod 0 and others

Packaging

| | |
|--------------------------|--------------------------------------------------------------|
| Packing | 32 rounds in a linked belt, with M16A2 links, in a PA120 box |
| Dimensions (mm) | 477 (Length) x 162 (Width) x 264 (Height) |
| Volume (m ³) | 0.02 |
| Gross Weight (kg) | 19.5 |

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



Packaging

40mm High Velocity Ammunition



40 x 53mm High Velocity Family

- High Explosive Dual Purpose (HEDP) S411
- High Explosive Dual Purpose with Self-Destruct Fuze (HEDP-SD) S413
- High Explosive (HE) S412
- High Explosive with Self-Destruct Fuze (HE-SD) S427
- Target Practice with Tracer (TP-T) S415A
- Target Practice (TP) S416A
- Target Practice Marker (TPM) S422
- Target Practice Tracer Marker (TPT-M) S423
- Flash & Bang (F&B) S429
- TPT Day & Night Marker (DNM) S462

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 **ST Kinetics**
A company of ST Engineering

ST Kinetics is the world's leading 40mm solutions provider offering a comprehensive range of 40mm weapons and ammunition ranging from High Velocity, Low Velocity Extended Range, Low Velocity, Less Than Lethal to Special Purpose.

Through experience and innovation, ST Kinetics delivers consistently high quality and superior performance products qualified to the most stringent safety and environmental standards.



Blast effects of HE cartridge



Penetration of 78mm RHA plate by HEDP cartridge



40 x 53mm High Velocity Ammunition cartridge

40mm High Velocity Ammunition For Automatic Grenade Launchers



Also Available
 40mm Programmable Air Bursting Munitions
 40mm Enhanced Blast Insensitive Explosive (EBIX) Ammunition



Ammunition Compliance Standards

- MIL-STD-331
- MIL-STD-810
- MIL-STD-882 (System Safety)
- MIL-STD-1316
- NATO STANAG 4403
- NATO STANAG 4439

Automated 40mm Fuze Assembly

- Automated fuze assembly ensures consistent quality and safety, eliminates human error
- 100% inspection of Safe and Arm
- 100% X-Ray inspection on final fuze assembly
- Reliability exceeds 99%



Other ST Kinetics 40mm Products



STK 40AGL 40mm Automatic Grenade Launcher



40mm Light Weight Automatic Grenade Launcher (LWAGL)



40/50 (40AGL and 0.5in Heavy Machine Gun) Cupola



40mm Single/Dual Remote Weapon System (RWS)



40mm High Velocity Air Bursting Munition System (HV ABMS)



STK 40GL



40mm Low Velocity Air Bursting Munition System (LV ABMS)



40 x 46mm Low Velocity Ammunition



40mm Less Than Lethal Ammunition



40mm SPARCS Compass