



57mm Mk 295 Mod 0 3P-HE Fuzed Cartridge

The 57mm Mk 295 Mod 0 3P-HE Fuzed Cartridge from BAE Systems is a pre-fragmented, programmable, proximity-fuzed fixed round for use with the 57mm Mk 110 Mod 0 Naval Gun System.

The cartridge consists of a pre-fragmented projectile body containing a 6-mode programmable Mk 442 Mod 0, 57mm 3P fuze and PBX explosive, a brass cartridge case containing Low Vulnerability Ammunition (LOVA) propellant, and an electric primer. The 57mm Mk 295 Mod 0 3P-HE Fuzed Cartridge is Insensitive Munition (IM) improved in accordance with MIL-STD-2105B.

Lethality – The projectile section delivers over 8,000 pre-formed

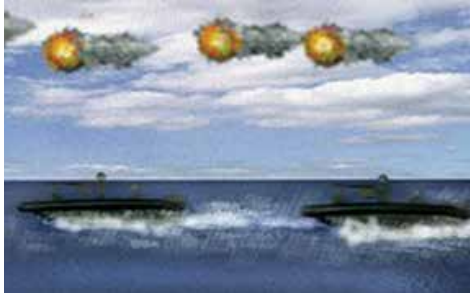
tungsten fragments in reaction to 420 grams of PBX-explosive. With a range of greater than nine nautical miles, the projectiles achieve devastating effects against all target types in any selected mode of fuze operation.

Command and Control – The Mk 442 Mod 0 fuze is automatically and individually programmed by the Mk 110 Mod 0 Naval Gun System Proximity Fuze Programmer, which continually receives data from the ship fire control system.

Survivability – The 57mm Mk 295 Mod 0 round provides immunity to Electronic Countermeasures (ECM) and allows tactical flexibility to operate in heavy ECM environments or natural disturbances while successfully addressing a range of different targets.

Sustainability – Incorporating multi-mode fuze programming into the Mk 295 Mod 0 cartridge allows for simplified logistics with fewer ammunition types required on board, and achieves greater efficiencies in transport and storage for today's compact ships.





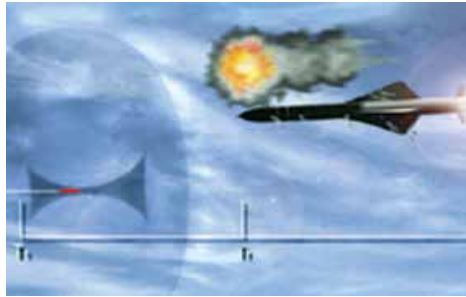
Time



Impact



Armor Piercing



Gated Proximity



Gated Proximity with Impact Priority



Conventional Proximity

Each Mk 442 Mod 0 3P fuze is programmed to one of six settable function modes immediately before firing

Specifications

57mm Mk 295 Mod 0 3P-HE Fuzed Cartridge

Length	26.5 inches/0.6 m
Weight	13.4 lbs/6.1 kg
IM improved in accordance with MIL-STD-2105B	yes

57mm Body Projectile

Total weight	5.3 lbs/2.4 kg
Number of fragments	>8,000
Explosives	PBX
Muzzle velocity	3,956 ft/sec 1,035 m/sec
Range	>9 nmi/17 km

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