

PRODUCT FAMILY

FLEXIBLE LINEAR SHAPED CHARGE (FLSC)

A Flexible Linear Shaped Charge (FLSC) or Linear Shaped Charge (LSC) is a continuous core enclosed in a seamless metal sheath. Charges are shaped in the form of an inverted “V” allowing the continuous metal sheath liner and encased explosive to produce a uniform linear cutting action upon detonation. This application of the Monroe Effect is enhanced by careful control of charge dimension and configuration as well as sheath thickness and uniformity. Metal clad linear shaped charges may be encased in copper, lead, aluminum, tin or silver and can sever steel, aluminum and other metals, structural sections, wood, composite materials, and glass. When a reliable and fast cut is required, our FLSC is used to sever a multitude of materials.



APPLICABLE SPECIFICATIONS

- Available Explosives: RDX, CH6, HMX, PBXNS, HNS
- Available Sheath Material: Lead, Tin (Patented), Aluminum, Silver
- Velocity of Detonation: 6,000 to >8,000 meters / second depending on explosive, sheath and core-load
- Severance Capability: Dependent on core-load and sheath
> .500” High strength steel alloy possible
- Temperature Capability: +400°F possible depending on explosive and sheath material

APPLICATIONS

Core Load (grains/ft)	Height (inches)	Width (inches)
10	.090	.120
20	.130	.180
50	.180	.220
100	.250	.280
250	.375	.465
750	.600	.740

ENVELOPE & DIMENSIONS

