



DEFENSE

BENDABLE LINEAR SHAPED CHARGE (BLSC)

Pyroalliance offers a wide range of RDX/Lead BLSC tailored to the defense markets.

Those REACH compliant cords are used to cut off all types of materials: metallic (steel, slight alloy, titanium, etc.) as well as laminates of glass, carbon or Kevlar. In particular, they deliver very precise and very fast cuts in severe environmental conditions. They can be used for various functions on defense platforms or military terrestrial operations.

More generally, Pyroalliance designs and provides complete pyrotechnic chains tailored to its customers' needs. They are designed and manufactured under Pyroalliance design authority.

Bendable Linear Shaped Charge

Operation mode

The BLSC produces upon detonation a high velocity metal jet which can sever targets of any material. Our technology allows a highly reproducible jet penetration using a minimum of explosive.

These products meet aerospace requirements and remain functional under harsh environments.

Benefits

- Tight geometric tolerance
- Light weight
- REACH-compliant (sustainable materials)
- Bending radius down to 5 times its section
- Very versatile

Applications

- Defense platforms: implemented in separation or flight termination solutions
- Demolition / breaching: buildings (thermal power stations and nuclear powers, metallic structures, tanks), maritime buildings, bridges, various infrastructures...
- Law enforcement – special intervention forces: equipment for antiterrorist operations
- Civil safety: disaster and emergency services for fast opening systems
- Offshore: dismantling of metallic structures



Breaching of a concrete wall

Key figures

Estimated Cutting performances* :

Up to ~15 mm in steel and ~20 mm in carbon composite

Main dimensions**:

~5 to ~20mm Width
~0.1m to ~2m Length

Detonation velocity:

> 6000 m/s

Operating temperature:

Down to ~-80°C
Up to ~+100°C

* Please contact us for customized needs

For more information please contact us.
Visit our website: www.pyroalliance.com

CLASSIFICATION

Transport regulation:

- UN Number : UN 0288
- Proper shipping name : CHARGES, SHAPED, FLEXIBLE, LINEAR
- Division : 1.1
- Compatibility group : D

Not restricted by ITAR regulation

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Produced by the Communication Department of Pyroalliance

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