



## DEFENSE

### BENDABLE LINEAR SHAPED CHARGES (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 delivers complete pyrotechnic chains adapted to its customers' needs. They are designed and manufactured under Pyroalliance design authority.

# BENDABLE LINEAR SHAPED CHARGE

## Operating 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

## 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



Breaching of a concrete wall

## 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

## For more information

Contact us: [customer-info@pyroalliance.com](mailto:customer-info@pyroalliance.com)

### Les Mureaux Plant - Headquarters

139, Route de Verneuil - BP 2052  
78132 Les Mureaux cedex – France  
Tel. +33 (0)1 34 92 44 44

[www.pyroalliance.com](http://www.pyroalliance.com)

Follow us on [LinkedIn](#)

