



## INDUSTRY

### BENDABLE LINEAR SHAPED CHARGE (BLSC)

Pyroalliance offers a wide range of RDX/Lead BLSC tailored to the Space & Industrial 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.

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.
- Cost efficient.

## Applications

- Demolition: Buildings (thermal power stations and nuclear powers, metallic structures, tanks), maritime Buildings, bridges.
- Preservation of order – special Strengths of intervention: Equipment for antiterrorist.
- Civil defence: Disaster and emergency services for systems of fast opening in case of disaster.
- Offshore: Dismantling of metallic structures – underwater operations.



Petrochemical factory - ArianeGroup

## Key figures\*

Estimated Cutting performances** :	Up to 14 mm in steel and 20 mm in carbon composite
Main dimensions**:	6 to 23 mm Width 0.1m to 2m Length
Detonation velocity:	> 6000 m/s
Linear charge (RDX):	2,2-84g/m (depending on cord type)
Operating temperature:	Down to -80°C Up to + 100°C

\*Some variations are under development and qualification

\*\* Please contact us for customized needs

[For more information please contact us.](#)  
[Visit our website: www.pyroalliance.com](http://www.pyroalliance.com)

## Classification Product

- Number UN: UN0288
- Storage class: 1.1D
- Not restricted by ITAR regulation

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**Produced by the Communication Department of Pyroalliance**  
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