

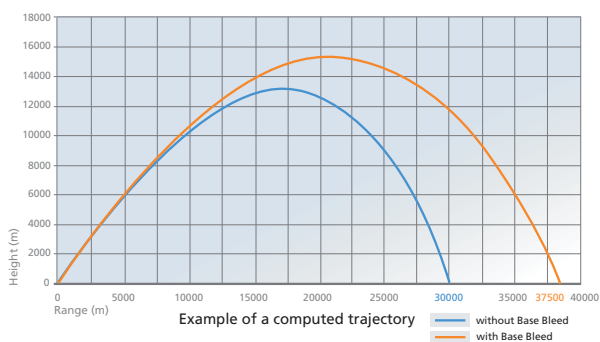


# BASE BLEED GRAINS



## Projectile Range Enhancer

By reducing the drag of the shell during the ballistic trajectory, base bleed components answer to modern artillery system requirements for extended range ammunition. At the leading edge in this field, EURENCO's base bleed units use an exclusive pressing technology and are adaptable to all types of shells and calibres.



## Application and user's advantages

The Base Bleed effect consists in increasing the pressure at the base of the shell during flight, through the combustion of a propellant grain, therefore reducing drag. It results in:

- Up to 30% enhanced projectile range,
- No reduction in accuracy.



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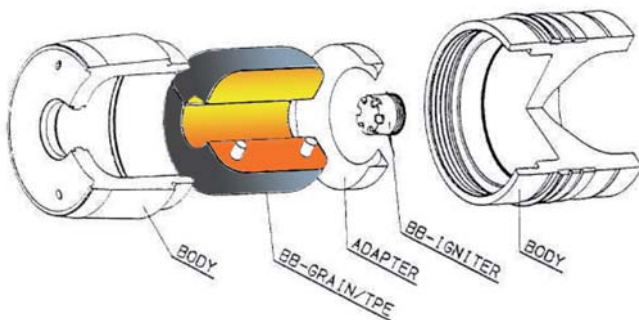
Projectile Range Enhancer

## Product Description

Associated to a suitable igniter, Base Bleed grains can be fitted on various artillery shells, such as 155mm, 105mm, 122mm, 130mm...

## Product Characteristics

- Excellent mechanical properties even after aging with propellant strain greater than 40%,
- Low sensitivity to relative humidity,
- Easy adjustment of burning rate with catalyst,
- Strong cohesive bonding between insulator and propellant, warranting excellent reproducibility of the mass flow rate, and a perfect behavior during aging,
- Lower glass transition point.



The thermoplastic technology developed by EURENCO provides outstanding advantages, such as:

- Complex shape design,
- High production rates and reliable manufacturing,
- Dimensional control from tooling,
- No bubble or crack,
- No cure cycle,
- No sedimentation.

 **EURENCO**  
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