

# Ammunition

NEXTER CATALOGUE 2022/2023

**nexter** **K+N**  
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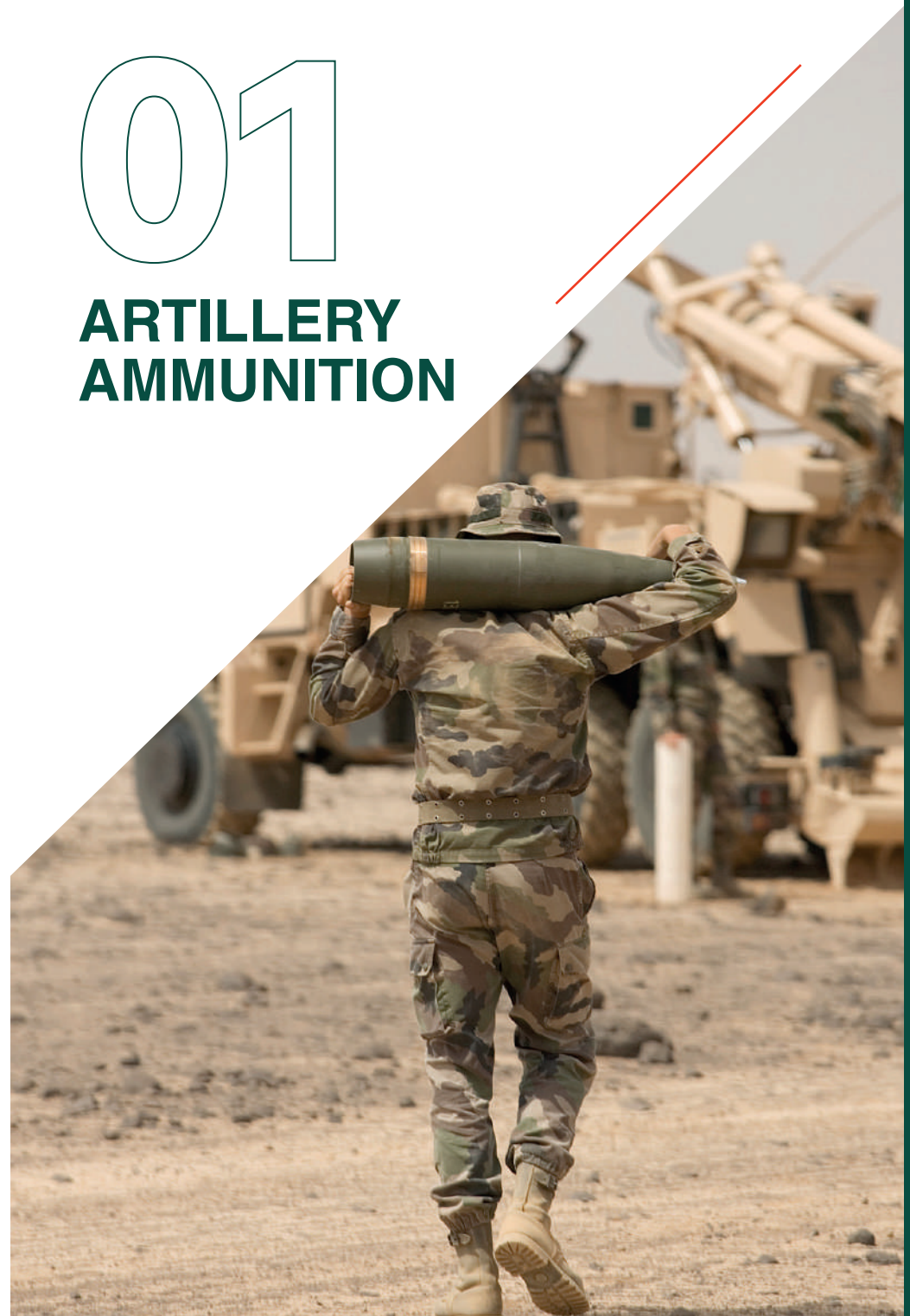
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01

ARTILLERY  
AMMUNITION





# GALIX®

## SELF-DEFENSE SYSTEM FOR ARMORED VEHICLES

### MISSION

The GALIX® system treats all known threats, and therefore offers optimum defensive action to enhance the survivability of armored vehicles:

- If identified by the enemy, by avoiding engagement (broad band IR-visible smoke grenade),
- If engaged by an IR-guided missile, by avoiding being hit (IR decoy ammunition),
- If approached by enemy troops, by preventing an attack (self-defense ammunition),
- If engaged in a peacekeeping operation (crowd dispersal ammunition).

The GALIX® system is modular and the nature of the ammunition, the number of launcher tubes and their positioning can therefore be determined as a function of vehicle geometry and mission.

### STATUS

In service.



### TECHNICAL CHARACTERISTICS



MUNITION	STATUS
GALIX® 13-Broad band IR-visible smoke grenade	In service
GALIX® 16-P tester	In service
GALIX® 17-Training smoke grenade	In service
GALIX® 19-Warning grenade	In service
GALIX® 46-Crowd dispersal grenade	In service
Launch Tube	In service
Firing control unit	In service

# SYDEX®

## NEW GENERATION OF SOFT KILL SELF-DEFENSE SYSTEM FOR ARMORED VEHICLES

### MISSION

Compared to the current softkill systems, SYDEX® offers additional capabilities thanks to an embedded Smart Firing Control System (SFCS). This new generation of softkill system increases the performance and survivability of the armored vehicles thanks to its improved digital data link with the vehicle aiming at the optimization of the response to any threats to be dealt with. Furthermore, SYDEX® is able to fire a future generation of programmable ammunition, especially fitted for the "less than lethal" purpose.

### STATUS

In service.



# BRENU<sup>®</sup>

## PROTECTION SOLUTIONS FOR LIGHT AND HEAVY ARMORED VEHICLES

### MISSION

The BRENU<sup>®</sup> add-on Explosive Reactive Armour (ERA) enables to improve the combat survivability of armored vehicles against attack from missiles, anti-tank rockets and top attack grenades. BRENU<sup>®</sup> provides protection against Heat and kinetic energy attack with a weight nine times lighter than its steel equivalent. It is remarkably insensitive to accidental battlefield incidents and attacks.

### STATUS

Qualified.



# DEMILITARIZATION

The Ammunition Business Unit (ABU) offers dismantling engineering support compliant with pyrotechnic and environmental regulations, in accordance with the particular nature of the stocks of pyrotechnic components and/or conventional ammunition to be destroyed or recycled. These services are provided with technical assistance as well as training.

Within ABU group, Nexter Arrowtech offers the Demilitarization Plant located in Anagni, near Rome. The Plant is able to process ammunition and explosive materials, starting from small to biggest calibers, as well as hand grenades, mortar bombs, land mines, complete rockets and missiles and their components, any type of propellant and much more.

The Plant is able to dispose the resulting by-products recycling explosive for civil use.

### OPERATIONS PHASES

- Ammunition Unpacking,
- Primers Removal and Inertization,
- Projectiles, Bombs, Grenades Defusing,
- Ammunition Cut by submerged saws,
- Ammunition Unloading of large calibers up to 203mm,
- Ammunition Inertization by Rotative Oven,
- Ammunition and explosive Inertization by Tunnel Oven,
- Clearance by Flash Oven,
- Thermal Destruction of dirty explosive packaging,
- Metallic and plastic parts Deformation.

### POINTS OF STRENGTH

- Demil Technique Experience,
- Ammunition Knowledge,
- The most advanced safety system and the most modern machines and equipment,
- Synergy between demil and manufacturing of explosives for civil use by recovering explosives from ammunition,
- Sensitivity to the environment and safety.

# SERVICES

In addition to its comprehensive product catalogue, the Ammunition Business Unit offers an extended range of services able to meet a large customer demand through the whole life cycle of its products.

## AMMUNITION STORAGE FACILITIES

Storage of ammunition must satisfy strict rules. Failure to observe these rules can lead to dramatic accidents with many consequences (loss of life, legal prosecution, loss of operational capacity, etc.). The Ammunition Business Unit can support the engineering tasks related to any ammunition storage facility while guaranteeing the best practice and full compliance with safety and environmental standards.

## MONITORING OF AMMUNITION STOCKPILES

Most of the conventional ammunition life cycle is spent in the storage phase. The ammunition surveillance is one of the key points to insure the operational readiness of armed forces. The Ammunition Business Unit as designer of any type of ammunition is able to support its customers for the monitoring of the ammunition stockpiles from the inspection to Service Life Surveillance facilities.

## TRANSFERS OF MANUFACTURING

The Ammunition Business Unit can propose transfer of skills, engineering knowledge, technologies, methods of manufacturing and demilitarization, technical support for plant facilities to provide manufacturing capabilities from the component up to the ammunition. If necessary, these transfers are provided with a technical support related to the design of infrastructures and equipment as well as training.





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