

# COCKERILL® LCTS 90MP



Lightweight

Robust

Effective

[johncockerill.com/defense](http://johncockerill.com/defense)



Throughout the world, the Cockerill® name embodies long-standing excellence in light-weight, heavy-impact, weapon systems. Today, the Cockerill® brand is successfully delivering cutting-edge capability to modern high-mobility land forces.

### Value

The in-service Cockerill® LCTS 90MP turret incorporates a powerful Cockerill® 90 mm gun with an advanced autoloader, to deliver high lethality at very low weight. Compatible with a wide range of lighter wheeled and tracked vehicles, the Cockerill® LCTS 90MP uses an advanced digital, stabilized, day/night weapon control system to deliver highly mobile, highly effective, precision fires.







## Target Effects

Proven in service, the LCTS 90MP matches outstanding firepower with a fully digital, fully-stabilized, day/night weapon control system to deliver hunter/killer functionality and outstanding combat effectiveness.

The Cockerill® 90 mm MP is the most powerful 90 mm gun ever fielded on vehicles in the 10-20 tons gvwt class:

- Calibre: 90 mm
- Type: Rifled
- Single-stage muzzle brake
- Bore evacuator
- Indirect firing capability: 7.8 km range at 20° elevation
- Performance: see below

Type	Velocity	Effects on targets
APFSDS-T	1,345 m/s	Penetration at 2,000 m range: 150 mm RHA @ 60° NATO
TPFSDS-T	1,370 m/s	Training
HESH-T	703 m/s	Spalling at 1,000 m range: 100 mm RHA @ 60° NATO, plus destruction of bunkers, concrete, walls, vehicles and similar
HESH-TP-T	703 m/s	Training
SMK-WP-T	703 m/s	Smoke screen with secondary incendiary effects
Falarick 90 (GLATGM)	14 s time of flight to 4,000 m	Armour penetration: No less than 550 mm RHA behind ERA

## Support and capability solutions

John Cockerill Defense maintains a 'cradle to grave' philosophy to the design, development, introduction into service support and through-life support for all Cockerill® weapons systems. This professional support approach optimizes the total cost of ownership to the customer throughout the entire service life of John Cockerill Defense equipment. This whole-life support includes:

- **Integrated Logistics Support (ILS):** all Cockerill® weapons systems are designed for maintainability from the outset and are intimately supported during introduction into service to the customer organization. This includes the development of technical publications, operator and maintainer training development and delivery up to Master Gunner level, spares and supply chain optimization, special tools and test equipment, life cycle cost modelling and obsolescence management.
- **Through Life Support (TLS):** John Cockerill Defense Through Life Support team offers a Maintenance Management Information System (mmis) that allows the customers to optimize preventive maintenance of their weapons systems. It can also provide dedicated in-country support and engineering support for the mid-life upgrade of all Cockerill® weapons systems and for other manufacturers' turrets.
- **Training & Simulation:** John Cockerill Defense designs and carries out world class trainings, encompassing the complete training spectrum. Covering both the theoretical and practical aspects, these trainings in particular include exercises with live firing and with John Cockerill Defense simulators. The latter can be virtual immersive, mobile, embedded and inter-connected to allow for training at platoon level. John Cockerill Defense also provides sub-calibre training devices for all Cockerill® weapons systems.
- **Capability Development:** John Cockerill Defense is constantly innovating in order to best anticipate the growing and evolving demands of modern land forces in terms of firepower, mobility and protection requirements. These innovations share the same objective: to provide the optimal level of capability and support to in-service and new Cockerill® weapons systems.



## Compatible with a wide range of light and medium- weight armoured vehicles

### Main Characteristics

- Low weight (high mobility) two-man turret
- Bustle-mounted autoloader
- Full digital architecture and ballistic computer
- Commander: fully-stabilized panoramic day/night sight with laser rangefinder
- Gunner: fully-stabilized day/night sight with laser rangefinder
- Electro-mechanical gun and turret drive system
- 7.62 mm coaxial machine-gun plus optional 7.62 mm or 12.7 mm pintle-mounted machine-gun
- Ballistic protection:
  - Basic: Stanag 4569-level 1
  - Maximum: Stanag 4569-level 4 (with add-on armour)
- Defensive Aid Suite (das) (optional)
- More than 300 in service in NATO and non-NATO countries
- Safety certified by the US Army, with more than 12,000 rounds fired

#### John Cockerill Defense

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