

# COCKERILL CT-CV 105HP



The benchmark in large calibre weapon system

Accurate ■ Innovative ■ Powerful

# COCKERILL CT-CV 105HP

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



## Organic fire-support vehicles are an essential component of the modern high-mobility force.

The Cockerill CT-CV 105HP turret incorporates the Cockerill 105mm high-pressure gun with an advanced autoloader to deliver high lethality at very light weight. Able to fire the long-range Cockerill Falarick 105 Gun-Launched Anti-Tank Guided Missile (GLATGM) and to elevate to +42°, the system is designed to deliver an unusually broad spectrum of operational capability.

- High mobility due to compatibility with a large range of agile wheeled and tracked vehicles
- High anti-tank lethality at extended ranges, combined with the defeat of troops, weapon emplacements, bunkers, fortified structures and buildings
- Delivery of rapid and precise attack from under armour, employing a range of push-button selectable ammunition types for maximum target effect and minimum collateral damage
- Effective engagement of elevated targets in urban and mountainous environments, slow-moving aerial targets, and beyond line-of-sight targets up to 10km range using HE indirect-fire mode
- High combat effectiveness through an advanced digital, fully stabilised, day/night, precision weapon control system
- Improved platform survivability through extended stand-off capability, reduced firing signature and concealed missile launch capability

Organic fire-support vehicles are an essential component of the modern high-mobility force. In meeting this requirement, the combined mobility, lethality, engagement envelope and operational flexibility of the Cockerill CT-CV 105HP turret is unrivalled.



# Effective Engagement

## Features

- Two man turret with autoloader
- Digitised electronic architecture of latest generation
- Electro-mechanical power control system
- Stabilised for firing on the move and against moving targets
- Advanced Fire Control System with Hunter/Killer capability for single target and multiple target engagements
- Unique high angles of elevation and depression depression and elevation (from -10° to +42°)
- Improved optics to optimize local situational awareness
- Advanced C4I facilities
- Coax machine gun (7.62mm or .50 cal)
- Modular ballistic protection up to Stanag 4569 level 4 and even 5
- Laser warning and complete protection against NBC contamination
- Pintle-mounted 7.62 mm or .50" machine gun or Remote Weapon Station (option)
- Smoke grenade launchers

## The Cockerill CV HP Gun

- Calibre: NATO 105 mm
- Barrel length: 5546/L51
- Peak recoil force: < 150 kn
- Rifled
- Autofrettage technology
- Design pressure 120% of classical 105 mm gun pressure
- Single baffle muzzle brake
- Angular excursion from -10° up to 42°

## Full Range of NATO Ammunition



Type	Velocity	Effects on targets
M1060CV*	1620 m/s	RHA penetration (2000 m) 560 mm @ 60° NATO
M1061 HEAT	1173 m/s	RHA penetration (1500 m) > 400 mm (NATO Single Heavy)
M393 A3 HESH	732 m/s	1 <sup>st</sup> shot in a 200 mm double reinforced concrete wall: Hole diameter ~600 mm
M416 SMOKE	731 m/s	Smoke screen up to 75 m wide for 30 to 40 s
M1204 CANISTER	1173 m/s	> 1000 Steel spheres dispersion Anti-personnel & anti- ambush role

\*Special version for Cockerill CV gun



### Falarick 105 specifications

Maximum range, m	5000
Flight time at maximum range, sec	17
Guidance system	semiautomatic by laser beam
Warhead:	
■ type	tandem hollow-charge
■ armour penetration	no less than 550 mm RHA behind ERA
Round weight, kg	25,2
Overall dimensions, mm:	
■ missile calibre	105
■ round length	1015
Operating temperature range, °C	from -40 to +60

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COMPATIBLE WITH A WIDE RANGE OF HIGH MOBILITY ARMoured VEHICLES



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