

Patria



PatriaNEMO
120mm Mortar System





Patria Nemo is a compact and flexible mortar system for needs of modern warfare and crisis management, which call for mobility, protection and accuracy. Designed by the industry's top professional, Patria, the lightweight system can be mounted on various platforms, enabling rapid fire support.

- ◀ **Turreted, remote-controlled 120 mm mortar system** consists of weapon, loading device, turret, fire control system and ammunition storage, and is fully operational with a platform and ammunition. Its proven weapon technology is based on Patria's 80 years of experience with 120 mm mortars.

Patria Nemo is suitable for many purposes. Thanks to its indirect and direct fire capability, as well as to its Multiple Rounds Simultaneous Impact (MRSI) capabilities, Patria Nemo can be used for self-defence and various indirect fire missions. Impressive fire support and rapid response with high crew protection – all in one.



Comprehensive fire control by sensor-to-shooter operations

Patria's indirect fire system enables the highest possible readiness for battle and crisis management. Thanks to its network of sensors and situational awareness, Patria's fire control system enables sensor-to-shooter operations.

A forward observer system is used for identifying the target and for acquiring a full view of the situation on the battlefield. The fire control system provides fire support plans and fire missions, which are transmitted via tactical data network to the command and control systems. Fire support decisions are made at the fire direction centre, and the Nemo units execute the fire missions – right on target.





Patria's indirect fire system for crisis management consists of:

- » weapons and ammunition
- » vehicles and vessels
- » systems with integrated support functions
 - » tactical weather services
 - » fire control system
 - » communication systems
 - » forward observer functions

Setting new standards for mortar mobility, protection and firepower both on land and sea



- ◀ **Patria Nemo is an ideal member of both mechanised fleets as well as of fast moving naval fleets.** As a lightweight and remote-controlled system, it completes Patria's proven 120 mm mortar offering. In addition to 8x8-armoured wheeled vehicles and tracked chassis, the turret can be integrated on lighter platforms such as 6x6-armoured wheeled vehicles (e.g. Patria XA-series). On naval applications the ideal platforms are fast moving patrol and coastal vessels.

Patria Nemo releases the full potential of modern mortar systems.

Its applicability for land and sea, its operation on the move, its level of protection and firepower and its ability to be part of fast moving units has made Patria Nemo a long-awaited solution to customer needs. Joint operations between land and sea are reality - at last.



PatriaNEMO

- » Compact, mobile, turreted and remote-controlled mortar system
- » High rate of fire
- » Excellent crew protection
- » Indirect, direct and MRSI capabilities with direct lay functionality
- » Network-centric warfare management
- » Fire-on-the-move capability (naval version)
- » Rapid deployment
- » Modular ballistic protection against infantry weapons, splinters and IEDs
- » NBC and muzzle blast protection
- » Reduced carrier stresses
- » Large on-board ammunition supply
- » Compatible with all standard 120 smoothbore mortar ammunition as well as smart guided ammunition
- » Full 360° traverse
- » Customised and cost-efficient solutions

Characteristics

Turret

- » Weight: 1700 kg
- » Traverse 360°
- » Elevation range -3° to +85°
- » Laying system electrical/manual back-up automatic aiming
- » Crew remote-controlled turret 2-3 in chassis compartment
- » Ammunition (total on-board) carrier dependent typically 50-60rds

Armament

- » Mortar 120 mm smoothbore
- » Barrel length 3000 mm
- » Loading system electrical/semi-automatic
- » Recoiling system hydro-pneumatic
- » Secondary armament machine gun, smoke launchers

Performance

- » Time to open fire < 30 sec
- » Time to scoot < 10 sec
- » Max. rate of fire 10 rds/min
- » Sustained rate of fire 6 rds/min
- » First 3 rounds 15 sec
- » Range 10+ km
- » Multiple Rounds Simultaneous Impact MRSI up to 5 rds

Ammunition

- » All smoothbore mortar ammunition, e.g. ammunition family supplied by Patria

Patria

Naulakatu 3, FI-33100 Tampere, Finland
Tel. +358 20 4691 / Fax +358 20 469 4239
info@patria.fi / www.patria.fi