Patria

Patria NEMO Container

120 mm mortar system – 20 feet of firepower



PROTECTED MOBILITY



SUSTAINMENT SOLUTIONS



DEFENCE AND WEAPON SYSTEMS



EXTREME SURVIVABILITY

Finland is known for high technology and extreme resilience. Our harsh nature and limited resources have pushed us to learn and innovate efficiently. Thorough preparation for the future is the backbone of our culture.

Patria is a modern and international defence and technology company with over 100 years of experience. We use resources wisely, create innovative solutions and build intelligent systems that provide extreme survivability in any conditions. We work with our customers throughout the entire lifecycle to ensure maximum value. Honest and straightforward co-operation is at the core of our work.

We build exceptional partnerships that last through critical operations. That's what it takes when you stand for your sovereignty. Trust us, we've been there.

QUALITY AND SIMPLICITY

In a world brimming with fleeting trends and overengineered solutions, we stand apart by offering tools built with a singular focus: unwavering reliability and uncompromising quality.

We believe in the power of simplicity. Our products are well-designed, robustly constructed, and thoroughly tested to perform their intended task flawlessly, every single time.

Our philosophy is simple: true innovation should help, not complicate. Driven by dedicated research, we develop advanced technologies for real results. Our straightforward approach makes the difference. Engineered for a single purpose – Yours.

Patria - Extreme conditions embedded.



Patria NEMO Container is a a unique, independent mortar system for the needs of modern warfare and crisis management, which call for mobility, protection, accuracy, modularity and flexibility.

This integration of 120 mm Patria NEMO mortar to a container enables rapid and effective fire support and unique mobility designed by the mortar systems top professional - Patria.

Patria NEMO Container – ingenious combination of 120 mm fire power with unforeseen modularity & mobility and nearly unlimited availability of platforms for containers.

Patria NEMO Container is a "plug-and-play" solution and it can be transported & fired on various land, sea & rail platforms as well as act as an independent firing unit at military bases. The container is a standalone system equipped with power unit and NBC/air conditioning. Ballistic protection of the container will be tailored to meet customer's requirements.

Turreted, remote-controlled 120 mm mortar system consists of weapon, loading device, turret, fire control system and ammunition storage, and is fully operational without modifications. Its proven weapon technology is based on Patria's over 80 years of experience with 120 mm mortars.

Patria NEMO Container is a versatile system designed for multiple purposes, including self-defence, thanks to its ability to deliver both indirect and direct fire. One of its most renowned features is the MRSI (Multiple Rounds Simultaneous Impact) capability, and now it also offers MTSI (Multiple Targets Simultaneous Impact) where the operator can choose the targets freely for example alongside a road. Impressive fire support and rapid response with high crew protection – all in one.

Setting new standards for mortar mobility, protection and firepower

Patria NEMO Container is an ideal solution for stationary troops, e.g. camp site protection, but it is also suitable for mechanised fleets as well as of fast moving naval fleets. As fully independent and flexible system, it completes Patria's proven 120 mm mortar offering. In addition to heavy military trucks, the container can be transported also with lighter vehicles as long as they are suitable for delivering the container to desired location. In naval NEMO Container application the ideal platform is any vessel that can carry 20 ft container.







Patria NEMO Container

General

Construction	Steel structure, heat insulated
External power inlets	400 VAC 16 A 230 VAC 16 A
External power outlets	3 * 230 VAC
Air-conditioning / ventilation	Split-type cooling system Heat recovery ventilation system Air filter EN 779 G4
Lightning	Internal lightning with LED lights
Communication	Intercom: GFE-ready Radios: GFE-ready
Operating temperature range	-19 °C to +49 °C (Air temp.) MIL-STD 810F: Basic and hot
Lifting	ISO 3874
Transportation	Onboard a ship: ISO 3874 Public roads: corner fittings, ISO 668 and 1161 Flatrack interface: STANAG 2413
Self supporting systems	Auxiliary power unit AC/DC converter Air compressor

Weights and dimensions

Container curb weight without NEMO system	6600 kg
Container gross weight with NEMO system, including 60 rounds and 3 crew members	11400 kg

Length (A) 6058 mm
Height (B) 2591 mm
Width (C) 2438 mm

Patria NEMO Turret

Turret

Weight	1700 kg
Traverse	360°
Elevation range	-3° to +85°
Laying system	electrical, manual back-up
Crew	2 to 3 persons
Ammunition	50-60 inside Container

Armament

Mortar	120 mm smoothbore
Barrel length	3000 mm
Loading system	electrical, manual back-up
Recoiling system	hydro-pneumatic
Secondary armament	integrated RWS

Performance

Time to open fire	<25 sec
Time to scoot	immediate (Fire-On-the-Move)
Maximum rate of fire	10 rds/min
Sustained rate of fire	6 rds/min
First 3 rounds	15 sec
Range	10+ km (ammo dependent)
MRSI/MTSI	up to 5 rounds; range of 1,0 to 6,5 km
Ammunition	All smoothbore mortar ammunition

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Patria
When if is not an option.

www.patriagroup.com