



THE HX3.
SUPERIOR. EVERY DAY.

HX3 GENERATION

With the latest generation of the tried-and-tested HX series, the change to a future-proof military truck has been achieved. Thanks to new technologies, the HX3 meets military and automotive megatrends. Redesigned from the ground up, users can expect, among other things, improved protection, further increased mobility, greater driving comfort and a digital architecture for an even more flexible range of applications and future increases in performance. At the same time, the valued core strengths of the HX2 and the family concept are retained.



GENERAL HX3 FEATURES

- Family concept 4x4 to 10x10
- High mobility and superior off-road performance
- New protected cabin with enhanced ergonomics and modern interior design
- New stowage concept with considerably more space
- New MAN EE-Architecture and new ADAS features
- Improved driver's field of vision
- Unsurpassed EMC standards
- Upgradeability with add-ons, PDS tasks & safety updates by Rheinmetall

PROTOTYPE VARIANTS

- System Carrier (8x8-6) with Universal Torsion Resistant Subframe (UTRS)
- Load Handler (8x8) with Automated Load Handling System (ALHS)
- Truck-based Howitzer (10x10) with 155 mm gun capability



System Carrier (8x8-6)



Load Handler (8x8)



Truck-based Howitzer (10x10)

ADDITIONAL HIGHLIGHTS

The assembled Universal Torsion Resistant Subframe (UTRS) maximizes the overall payload capacity of the cargo by freeing up the installation space previously required for the subframe. This patented new development is particularly advantageous for tanker, tray, container frames and system carrier applications – proving advanced interoperability.

Rethinking the way containers and flat racks were deployed in the past, Supashock is revolutionising the load handling process. By picking up containers and flat racks without leaving the cabin, the Automated Load Handling System (ALHS) increases soldier safety and minimises physical efforts by not being forced to manually apply X-frames. Just one operator can manage the whole loading process. Cargo can be picked up and deployed in difficult terrains e.g. muddy or rough environments – adverting all odds.

Increased tactical and strategic mobility as well as enhanced firing capabilities for longer shooting distances are key factors for future artillery systems. The HX 10x10 truck-based Howitzer is the ideal answer for these advanced effectors. In combination with the newly developed Artillery Truck Interface (ATI), the HX 10x10 can be used as a standard base for different artillery solutions or similar weapon systems. Based on the HX family this offers a cost effective carrier module compared to currently used tracked platforms or tactical wheeled vehicles.

The upgraded Integrated Armor Cabin (IAC) offers now even more protection against mine, blast and IED threats whilst providing the best possible field of vision. Next to enhanced structural integrity and crew safety, the new protected cabin also comes with a completely modernised interior offering an integrated dashboard with air conditioning and significantly more stowage space for C4I equipment. In addition, soldiers feel right at home in their HX3 thanks to significantly improved ergonomics.

The new driver assistance systems support the crew through adaptive technologies and sensors while driving. These automated systems warn the driver of potential collisions, assist with braking, and thereby provide honorably greater safety.



The HX3 truck family in action

TECHNICAL DATA	
Prototype variants	8x8-6, 8x8, 10x10
Engine	MAN D26 EuroII, V, VIe (all F34 compatible)
Transmission	ZF TraXon (automated), ZF Ecolife7 (fully automatic)
Gross vehicle weight	38t – 50t
Temperature range	–32°C / +49°C
Protection	Advanced protection
Vehicle height	<4.00 m (with Rheinmetall SNAKE RCWS)
Fording (STANAG)	1,500 mm
Seats	3

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