



ARTILLERIE INRICHTINGEN
ARMAMENTS BV

MORTAVIS MORTAR SYSTEMS
MORTAR SYSTEMS

MORTAVIS

MWS-81 VEHICLE-INTEGRATED 81 MM MORTAR SYSTEM

81 mm smoothbore mortar turret combining automatic laying, recoil mitigation, integrated fire control, inertial navigation, digital mapping and C2 interfaces.

100-5,800 M

< 1 MIN READY

< 10 S SCOOT

PLATFORM INTEGRATION

Tracked, wheeled or stationary

AUTOMATIC LAYING

INS + integrated fire control



MORTAVIS MWS-81 | AIA-MRT-MWS81-MK1

AUTOMATED 81 MM MORTAR FIRE SUPPORT

Artillerie Inrichtingen Armaments BV presents MORTAVIS MWS-81, a modern 81 mm smoothbore mortar weapon system integrating automatic barrel laying, recoil mitigation and digital fire control in a compact turret architecture.

The system is designed for tracked and tactical wheeled vehicles or stationary platforms and supports manual or automatic firing modes, digital mapping, muzzle-velocity measurement and command-system integration.

5,800 m

PUBLISHED MAXIMUM RANGE*

< 1 min

PUBLISHED TIME TO SHOOT

< 10 sec

PUBLISHED TIME TO SCOOT

● Artillerie Inrichtingen Armaments BV - Licensed manufacturing programme in the Netherlands



OPERATIONAL CAPABILITY & SYSTEM DATA

MORTAVIS MWS-81 | VEHICLE-INTEGRATED 81 MM AUTOMATIC-LAYING MORTAR WEAPON SYSTEM

SYSTEM CAPABILITIES

- Integration on tracked or tactical wheeled vehicles and stationary platforms
- 81 mm smoothbore mortar configuration
- Efficient integrated recoil mechanism
- Automatic precision laying with inertial navigation
- Mission-oriented graphical user interface and digital map
- NATO Armaments Ballistic Kernel support
- Integrated muzzle-velocity measurement
- Support for the full range of mortar fire missions
- Command-and-control-system integration
- Manual and automatic firing modes

PUBLISHED SYSTEM DATA

INTEGRATED MORTAR ARCHITECTURE

81 mm smoothbore; recoil mechanism; automatic laying; INS; fire control; muzzle-velocity measurement; digital map; C2

RANGE

100-5,800 m*

BARREL

81 mm

MODES

Manual + auto

INTERFACE / COMPATIBILITY

tracked and tactical wheeled vehicles; stationary platforms; qualified 81 mm mortar ammunition; command-and-control systems

PHYSICAL

Published dimensions: 972 x 1,946 x 1,182 mm; 1,453 mm barrel length*

MORTAR MISSION PROFILE

Receive, calculate, automatically lay and execute 81 mm mortar fire missions from an integrated mobile or stationary platform.

81 MM SMOOTHBORE

5.8 KM MAX*

AUTOMATIC LAYING

INERTIAL NAVIGATION

NABK

MUZZLE-VELOCITY

DIGITAL MAP

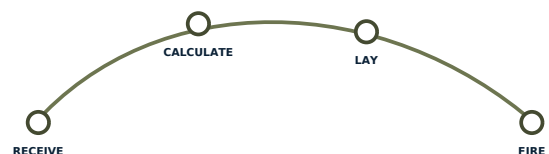
C2 INTEGRATION

PLATFORM, FIRE-CONTROL & C2 INTEGRATION

MORTAVIS MWS-81 combines an 81 mm smoothbore mortar, recoil mechanism, automatic barrel laying, inertial navigation, fire-control functions, a graphical operator interface, digital mapping and muzzle-velocity measurement in one turret architecture. It can be integrated on qualified tracked or tactical wheeled vehicles or configured for stationary use. Published performance includes a 100-5,800 m range, time to shoot below one minute and time to scoot below ten seconds. Final performance remains dependent on barrel, ammunition, platform, ballistic data and qualification.



TACTICAL OLIVE 81 MM MORTAR TURRET



DIGITAL MORTAR FIRE-MISSION WORKFLOW

Published data: 100-5,800 m range*; <1 min shoot; <10 sec scoot.

*Barrel-dependent. Export/end-user, ammunition, range-safety and publication approvals apply. Tolerance $\pm 10\%$.