



ARTILLERIE INRICHTINGEN
ARMAMENTS BV

MORTAVIS MORTAR SYSTEMS
MORTAR SYSTEMS

MORTAVIS

MWS-120

AUTOMATIC-LOADING
120 MM MORTAR SYSTEM

Heavy 120 mm mortar turret combining automatic ammunition loading, automatic laying, recoil mitigation, integrated fire control and network interfaces.

1.5-8.18 KM*

< 1 MIN READY

< 10 S SCOOT

PLATFORM INTEGRATION

Tracked, wheeled or stationary

AUTOMATIC LOADING

Integrated ammunition-handling cycle



MORTAVIS MWS-120 | AIA-MRT-MWS120-MK1

AUTOMATED 120 MM MORTAR FIRE SUPPORT

Artillerie Inrichtingen Armaments BV presents MORTAVIS MWS-120, a modern heavy mortar weapon system integrating automatic ammunition loading, automatic barrel laying, recoil mitigation and digital fire control in a turret architecture.

The system supports qualified tracked and tactical wheeled vehicles or stationary platforms, with rifled or smoothbore 120 mm barrel integration, inertial navigation, muzzle-velocity measurement, digital mapping and C2 interfaces.

8,180 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-120 | VEHICLE-INTEGRATED 120 MM AUTOMATIC-LOADING MORTAR WEAPON SYSTEM

SYSTEM CAPABILITIES

- Integration on tracked or tactical wheeled vehicles and stationary platforms
- Qualified rifled or smoothbore 120 mm barrel integration
- Automatic ammunition loading system
- Efficient integrated recoil mechanism
- Automatic precision laying with inertial navigation
- Mission-oriented color graphical user interface
- NATO Armaments Ballistic Kernel support
- Integrated muzzle-velocity measurement
- Digital map and command-and-control-system integration
- Manual and automatic firing modes for mortar fire missions

PUBLISHED SYSTEM DATA

INTEGRATED HEAVY MORTAR ARCHITECTURE

120 mm barrel; automatic loader; recoil mechanism; automatic laying; INS; fire control; muzzle-velocity measurement; digital map; C2

RANGE

1,500-8,180 m*

BARREL

120 mm

MODES

Manual + auto

INTERFACE / COMPATIBILITY

tracked and tactical wheeled vehicles; stationary platforms; qualified 120 mm rifled or smoothbore barrels; mortar ammunition; C2 systems

PHYSICAL

Published dimensions: 1,220 x 2,491 x 1,113 mm; 1,900 mm barrel length*

HEAVY MORTAR MISSION PROFILE

Receive, calculate, automatically load and lay, then execute heavy 120 mm mortar fire missions from an integrated platform.

120 MM MORTAR

8.18 KM MAX*

AUTO LOADING

AUTOMATIC LAYING

INERTIAL NAV.

NABK

MUZZLE-VELOCITY

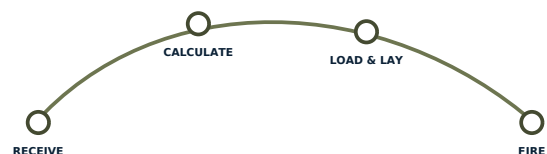
C2 INTEGRATION

PLATFORM, LOADING, FIRE-CONTROL & C2 INTEGRATION

MORTAVIS MWS-120 combines a qualified 120 mm rifled or smoothbore barrel interface, automatic ammunition loading, recoil mitigation, automatic barrel laying, inertial navigation, fire-control functions, a graphical operator interface, digital mapping and muzzle-velocity measurement in one turret architecture. Published performance includes a 1,500-8,180 m range, time to shoot below one minute, time to scoot below ten seconds and an azimuth sector of +/-3,200 mil. Final performance remains dependent on barrel, ammunition, platform, ballistic data and qualification.



TACTICAL OLIVE 120 MM MORTAR TURRET



AUTOMATED HEAVY MORTAR WORKFLOW

Published data: 1,500-8,180 m range*; <1 min shoot; <10 sec scoot.

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