

## DESCRIPTION

The 82mm Mortar WARRIOR 82D serves as a close support weapon for infantry, specifically designed to eliminate enemy personnel and destroy firing positions through short and long range fire engagements.

- It excels in rugged and hilly terrain, where adversaries may be concealed by slopes.
- The Mortar can efficiently breach wire barriers and minefields, dismantle lighter fortifications, and remove soil cover from heavy bunkers.
- Additionally, it is effective against mechanized units by targeting their accompanying infantry.

The Mortar is also capable of creating smoke screens and providing target illumination during nighttime operations.



## TECHNICAL CHARACTERISTICS

<b>Caliber:</b>	82 mm	<b>Max. Range:</b>	4406 m
<b>Barrel length:</b>	1350 mm	<b>Rate of fire:</b>	20-30 rounds/min. for max 4 min
<b>Base plate diameter:</b>	600 mm	<i>With correction</i>	
<b>Weight /conventional mode/:</b>	47.90 kg	<i>of fire direction:</i>	8 -15 rounds/min sustained
<b>Barrel + breechblock weight:</b>	17.20 kg	<b>Traverse ,</b>	
<b>Bipod weight:</b>	12.20 kg	<i>without moving bipod:</i>	± 4.0°
<b>Base plate weight:</b>	17.60 kg	<i>by moving bipod:</i>	± 360°
<b>Sight weight:</b>	1.10 kg	<b>Elevation range:</b>	45-85°

<b>Ammunitions:</b>	Compatible with all type 82mm mortar bombs (High Explosive, High Explosive fragmentation, Long distance HE, Thermobaric, Smoke, illuminating rounds)
<b>Type of firing mechanism:</b>	Safety, Drop firing
<b>Operating temperature:</b>	From -40°C to +60°C
<b>Max. operating pressure :</b>	650 bar

## PACKING INFORMATION

Type of packing:	Wooden case
wooden case content:	82mm Mortar Warrior 82D - 1 pc Optical-digital sight DMS-8 - 1 pc SPTA 1:1 - 1 pc
wooden case dimensions	1550/650/350 mm
NET/ GROSS Weight:	65.00 / 105.00 kg

# OPTICAL-DIGITAL MORTAR SIGHT

# DMS-8



AQAP 2110

## DESCRIPTION

DMS (OPTICAL-DIGITAL MORTAR SIGHT) are designed and intended to use with 60 mm, 81 mm, 82 mm and 120 mm mortars during the aiming fire. It is also suitable for observing the battlefield via viewfinder with reticle and magnification 2.5x. Illuminated reticle allow to use device in twilight and night.



## ADVANTAGES OF DMS SIGHT

- Embedded ballistic calculator can be factory tuned upon customer request depending of type of ammunition.

Elevation and azimuth units:

- NATO artillery thousandths (1/6400) or Russian standard artillery thousandths (1/6000) are available
- Elevation units can be change from artillery thousandths directly to firing distance [m], depending of chosen type ammunition and number of increment charges.
- The device can be fast leveling according to level indicators.
- Powered by rechargeable battery ensuring continuous operation more than 8 hours.
- The device can be attached to the weapon via dovetail NATO standard rail or Russian standard pin on customer request.
- Digital readout of the data allow of the device can work like M64 sight unit or MPM-44M sight upon customer request.
- The device can be integrated in Fire Control Systems.

The primary advantage of the digital aiming device is easy, fast and simple operation. Customization on customer request allow using the device in different military systems. The device can be mounted on any barrel via bracket, axis, dovetail rail, picatinny rail or embedded. The ballistic calculator can provide specific ballistics upon customer request.

The Optical-Digital Mortar Sight ODMS-8 can be used in emergency mode (without batteries), directing the mortar in Azimuth using the optical viewfinder (sight) and the elevation angle through the gunner quadrant, part of the SPTA set of the Mortar



## TECHNICAL SPECIFICATION

<b>Magnification, times:</b>	2.5x
<b>Field of view, degrees:</b>	9°
<b>Exit pupil diameter, mm:</b>	4
<b>Exit pupil distance, mm:</b>	26
<b>Resolution, not less than, arc sec:</b>	25
<b>Range of horizontal sighting, degree:</b>	360°
<b>Weight (approx.), kg:</b>	1.05 kg
<b>Overall dimensions, mm:</b>	115/140/180mm