

## DESCRIPTION

The 60mm Warrior Mortar 60D serves as an indirect fire support weapon. Its tactical advantage lies in its high trajectory, enabling it to be aimed and engage targets from behind cover while offering overhead support to allied forces.

## TECHNICAL CHARACTERISTICS

<b>Caliber:</b>	60 mm
<b>Barrel length:</b>	1000 mm
<b>Base plate diameter:</b>	350 mm
<b>Weight:</b>	22 kg
<b>Barrel + breechblock weight:</b>	7 kg
<b>Bipod weight:</b>	9 kg
<b>Base plate weight:</b>	6 kg
<b>Range</b>	70 - 4060 m
<b>Max. operating gas pressure:</b>	650 bar
<b>Rate of fire:</b>	20-30 rounds/min. for max 5 min
<b>Without correction of fire direction:</b>	10-15 rounds/min sustained
<b>With correction of fire direction:</b>	6-10 rounds/min sustained



## OPTICAL-DIGITAL SIGHT DMS-6

OPTICAL-DIGITAL MORTAR SIGHT DMS is 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. 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.

## TECHNICAL SPECIFICATION OF DMS-6

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



# OPTICAL-DIGITAL MORTAR SIGHT

# DMS-6



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