



# MORTAR LAUNCHERS AND AMMUNITION

**UKRAINIAN  
ARMOR**

Design and  
Manufacturing  
Company

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Company "Ukrainian Armor"

# 60 MM MORTAR LAUNCHER MP-60

Caliber, mm	60
Maximum range of shooting for shot M720, m	no less than 3500
Maximum range of shooting for shot M73NE, m	no less than 2500
Minimum range of shooting, m	no more than 110
Shot, shot/min	not less than 10 maximum 22-25
Mortar weight in the combat position, kg	
with small base plate	20 ± 1
with big base plate	25 ± 1
Angle of ascension, degrees	
vertical	from 45 to 85
horizontal	± 4
Bipod travel, degrees	360

Complete set

- Barrel
  - Baseplate for use in conventional mode
  - Baseplate for use in handheld mode
- Bipod
  - Single maintenance kit
  - Package

Additional composition:

At the request of the customer, we can convey the optical sight MPM-44M type or analog



60 mm shot UB-60

The 60-mm fragmentary mortar shot is designed to defeat manpower and equipment located openly or in field-type structures, suppression of fire points and destruction of wire barriers under various climatic conditions.

For firing these shots, mortars caliber 60 millimeters are used.

Specifications	Measure units	Index
Caliber	mm	60
Shot length	mm	287
Shot mass	g	1,380
Mine mass	g	1,150
Contact type exploder, instantaneous action	-	UTM68P1
Number of main charges	pcs	1
Number of surcharges	pcs	3
Number of shots in the drawer	pcs	12
Mass of drawer with shots	kg	32
Maximum flight range, no less than	m	2,500
Maximum flight range, no more than	m	110
Muzzle velocity	m/s	
-minimum		51
-maximum		244
Shooting mode, no more than		20 rds/min 144 rds/60 min

Complex 60-mm mortar shot

One shot set includes:

- Personnel bomb – 1 pcs
  - Contact type exploder UTM68P1 – 1 pcs
  - Main charge M80 – 1 pcs
- Surcharges – 3 pcs
  - Casing – 1 pcs





# 60 MM ASSAULT MORTAR

Caliber	60 mm
Mass in combat position	8.6 kg
Range of fire	min – 60 m, max – 1400
Maximal rapidity of fire	25 rds/min
Portable ammunition	10 pcs
Burst width	8 m
Shot weight:	1.4 kg
Barrel length:	680 mm



# 81 MM MORTAR LAUNCHER UB-81

## Speccation

Parameter and dimension title	Norm
Weight, kg	44
Barrel length, m	1,02
Crew	3
Caliber, mm (in)	81 (3.2)
Elevation, °	45–85
Traverse, °	±5
Rate of fire, rpm	15 sustained, 22-24 for short periods
Effective firing range, m	HE: 90 - 4,100



Specification

Range of fire, m:	
maximal with long-range charge	4,100
maximal with full hay charge	3,216
minimal	91
Angle of vertical ascension, degrees	from 45 to 85
Angle of horizontal ascension, degrees:	
with turning mechanism	± 4
Bipod travel	360
Mortar conversion time, min	
from the combat to the traveling position	0.4
from the traveling into the combat position	0.5
Maximal rapidity of fire, drs/min	
without aim relay	24
with aim relay	15
Rolling motion, on angular gage points, no more than	10
Frag mine weight, kg	3.1
Mortar weight in the combat position, kg	44+1

Composition

- Trunk
  - Plate
  - Bipod
- Safety lock
  - Single spare parts and accessories kit
  - Package kit

82 mm mortar shot specifications

Parameter and dimension title	Norm
Caliber, mm	82
Shot weight, g	3,400
Mine weight, g	3,310
Mechanical exploder, instant action, type	M6
Number of main charges, pcs	1
Number of surcharges, pcs	4
Number of shots in the drawer, pcs	10
Mass of drawer with shots, kg	48
Maximum flight range, m	4,100

Parameter and dimension title	Norm
Minimum flight range, m	90
Muzzle velocity, m/sec	211
Shooting mode, not lower	Up to 30 rds/min

Complex 82-mm mortar shot

One shot set includes:

- Mortar shot – 10 pcs
  - Main charge – 10 pcs
  - Surcharges – 10 sets
- Wooden drawer – 1 pcs.
  - Range table – 1 pcs

Complex 120-mm mortar shot

One shot set includes:

- Mortar shot – 1 pcs
- Main charge – 1 pcs
- Surcharges – 1 pcs

Parameter and dimension title	Norm
Caliber, mm	120
Shot weight, g	16,500
Mine weight, g	15,600
Mechanical exploder, instant action, type	M-12
Number of main charges, pcs	1
Number of surcharges, pcs	6
Number of shots in the drawer, pcs	2
Mass of drawer with shots, kg	48
Maximum flight range, m	7,100
Minimum flight range, m	480
Muzzle velocity, m/s	325
Shooting mode, not lower	Up to 15 rds/min

Design and manufacturing company UKRAINIAN ARMOR has vast experience in the defence industry, primarily meeting the demands of the Ukrainian Armed Forces along with armies around the world.

We specialize in manufacturing mortar launchers and ammunition, medical ambulances, as well as modernization and armoring of military vehicles. We are producers of Armoured Multi-Purpose Vehicles VARTA and NOVATOR for transporting soldiers in combat situations and combine under the same management enterprises on engineering, production and sales of defence products both for domestic and foreign markets.



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