



# NAUDI

National Association of  
Ukrainian Defense Industries

**UKRAINIAN  
ARMOR**

Design and  
Manufacturing  
Company

## MORTAR LAUNCHERS AND AMMUNITION

### 60MM MORTAR LAUNCHER MP-60

Calibre, mm	60
Maximum firing range for mortar rounds of M720 type, m	not less than 3,500
Maximum firing range for mortar rounds of UB60 type, m	not less than 2,500
Minimal firing range, m	not more than 110
Maximum firing rate, rounds/min with realignment	not less than 10
without realignment	22-25
Weight in firing position, kg with a small base plate	20 ± 1
with a large base plate	22 ± 1
Sight angles, °	
vertical	from 45 to 85
horizontal	± 4
horizontal with bipod moving, °	360



### 82MM (81MM) MORTAR LAUNCHER UPIK-82

Calibre, mm	82 / 81
Maximum firing range with a long-range charge, m	not less than 4,100
Maximum firing range with a full charge, m	not less than 3,216
Minimal firing range, m	91
Maximum firing rate, rounds/min with realignment	15
without realignment	22-24
Weight in firing position with a double loading prevention device, kg	44
Sight angles, °	
vertical	from 45 to 85
horizontal	± 4
horizontal with bipod moving, °	360



### 120MM MORTAR LAUNCHER MP-120

Calibre, mm	120
Maximum firing range with a long-range charge, m	7,100
Maximum firing range with a full charge, m	5,700
Minimum firing range with a first charge, m	480
Long range firing shot grouping	7,000 m
	long dispersion = 1/250 (28.0)
	lateral dispersion = 16.0
Maximum firing rate with realignment, rounds/min	8
without realignment, rounds/min	15
Angles of vertical elevation, degrees °	from 45 to 80
Angles of horizontal elevation, °	
by turning gear	+ 5
by moving bipod	360
Minimal time for conversion of the mortar launcher from:	
travel to combat position, min.	3,0
combat to travel position, min.	2,5
Weight parameters:	
weight in firing position, kg	237 ± 1
weight in travel position (wheeled), kg	330 ± 1



## 60MM FRAGMENTATION MORTAR ROUND UB-60

Calibre, mm	60
Round length, mm	287
Round weight, g	1,380
Mortar bomb weight, g	1,150
Contact type exploder, instantaneous action, type	UTM68P1
Number of main charges, pcs.	1
Number of surcharges, pcs.	3
Maximum firing range, not less than, m	2,500
Minimum firing range, not more than, m	110
Muzzle velocity, m/s	
- minimum	51
- maximum	244
Firing mode, not less than	45 rounds/3 min. 144 rounds/ 60 min.

### Packaging:

- 12 rounds in individual cardboard tubes placed in a wooden box.
- Box weight - 32 kg.

## 82MM FRAGMENTATION MORTAR ROUND UB-82

Calibre, mm	82
Round weight, g	4,200
Mortar bomb weight, g	3,900
Contact type exploder, instantaneous action, type	UTM68P1
Number of main charges, pcs.	1
Number of surcharges, pcs.	4
Maximum firing range, m	not less than 4,100
Minimal firing range, m	90
Muzzle velocity, m/s	211
Firing mode, not less than	Up to 30 rounds/min

### Packaging:

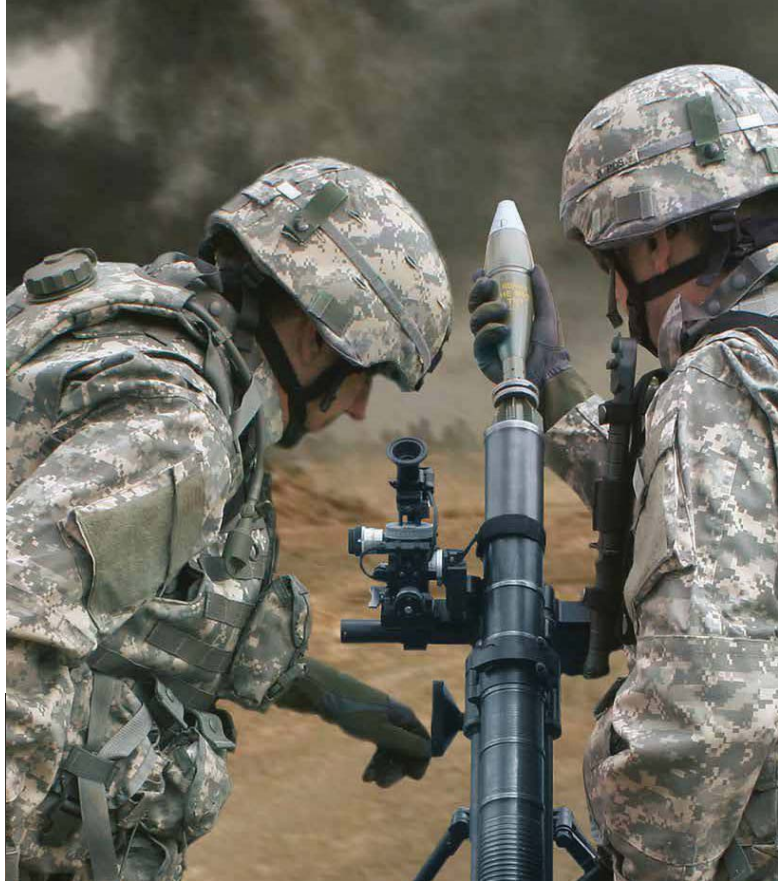
- 10 rounds in individual cardboard tubes placed in a wooden box.
- Box weight - 60 kg.

## 120MM FRAGMENTATION MORTAR ROUND UB 120

Calibre, mm	120
Round weight, g	16,500
Mortar bomb weight, g	15,900
Exploder	M-12
Number of main charges, pcs.	1
Number of surcharges, pcs.	6
Maximum firing range, m	7,100
Minimal firing range, m	480
Muzzle velocity, m/s	325
Firing mode, not less than	up to 15 rounds/min

### Packaging:

- 2 rounds in individual cardboard tubes placed in a wooden box.
- Box weight - 48 kg.



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