



# NAUDI

National Association of  
Ukrainian Defense Industries

**UKRAINIAN  
ARMOR**

Design and  
Manufacturing  
Company



# ZU-23-UB

23 MM ANTI-AIRCRAFT TWIN BARRELED AUTOCANNON

## PURPOSE

23-mm anti-aircraft twin barreled autocannon «ZU-23-UB» is designed to destroy air targets at a distance of up to 2500 m, at an altitude of 1500 m, as well as the destruction of enemy manpower, its armoured and fire means at a distance of up to 2000 m, in any terrain and any season.

The «ZU-23-UB» fires with the 23-mm highexplosive incendiary tracer (HEIT), the highexplosive incendiary (HEI) and armour-piercing incendiary tracer (APIT) rounds.

The strip loading rows are with either three HEI or three HEIT rounds and one APIT round.



# MAIN TACTICAL AND TECHNICAL CHARACTERISTICS

|  |                |   |       |
|--|----------------|---|-------|
| Calibre, mm  | 23             | Overall dimensions in the travel position:                                      |       |
| Maximum vertical firing range, m                     | 1500           | length, mm  | 4570  |
| Maximum tilted firing range, m                       | 2500           | width, mm   | 1850  |
| Maximum horizontal firing range, m                   | 2000           | height, mm  | 1610  |
| Firing speed (two automatic barrels), rds/min        | 1600 - 2000    | Weight in the travel position<br>(with covers and equipped cartridge boxes), kg | 970   |
| Combat firing speed (two automatic barrels), rds/min | 400            | Clearance, mm   | 360   |
| Firing field:  |                | Track width, mm   | 1670  |
| horizontal plane, °                                  | 360            | Maximum allowable moving speed, km/h:   |       |
| vertical plane, °                                    | from -10 to +9 | paved highway   | to 70 |
| vertical plane, over the wheels, °                   | -3 to +90      | soil roads  | to 35 |
| ZU-23-UB minimum deployment time:                    |                |   |       |
| travel to combat position, s                         | 15 - 20        |   |       |
| combat to travel position, s                         | 35 - 40        |   |       |

## GENERAL SPECIFICATION

|   |                 |
|---|-----------------|
| ZU-23-UB minimum conversion time:   |                 |
| from the traveling to the combat position                                       | 15 - 20 sec     |
| from the combat to the traveling position                                       | 35-40 sec       |
| ZU-23-UB dimensions in combat position:   |                 |
| length  | 4570 mm         |
| width   | 2880 mm         |
| height  | 1250 mm         |
| ZU-23-UB dimensions in the travelling position:                                 |                 |
| length  | 4570 mm         |
| width   | 1850 mm         |
| height  | 1610 mm         |
| Weight in the travelling position<br>(with covers and equipped cartridge boxes) | up to 970 kg    |
| Clearance   | 360 mm          |
| Track width   | 1670 mm         |
| Maximum allowable travel speed:   |                 |
| on highway  | up to 70 km / h |
| off-road  | up to 35 km / h |



### Ring sight

(correspondence of sighting rings to the set speeds of movement of the target):

|          |                 |
|----------|-----------------|
| internal | up to 70 m / s  |
| medium   | up to 170 m / s |
| external | > 280 m / s     |

### Optical ground sight T-3:

|  |                                   |
|--|-----------------------------------|
| distance of the pupil of the eye from the ocular | 72 mm                             |
| magnification                                    | 3,0 times                         |
| field of view                                    | min 4°30'                         |
| range limits                                     | 0-2000 m                          |
| limits of establishment of lateral amendments    | ± 0 - 10 graduation of dial sight |

### Scale division price:

|                          |                               |
|--------------------------|-------------------------------|
| length scale             | 100 m                         |
| lateral amendments scale | 0-01 graduation of dial sight |



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