DEVELOPMENT

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# 120 mm, M95
## Mortar

120 mm M95 long-range mortar has been developed in line with the modern requirements for infantry fire support. It leverages on great tradition of mortar design, development and production in the defence sector. It is a user-friendly weapon, which is corroborated by simplified handling and maintenance at the basic tactical level.

### Main features:

- robust design and high-quality production, ensuring highly resistant structure
- operational reliability under adverse environmental and tactical conditions,
- simplified design, providing easy disassembly without any additional tools,
- rapid transition from traveling to combat position and vice versa enabling rapid attacks on the enemy positions,
- simplified aiming and laying procedure,
- easy to transport.

For crew safety, the weapon can be switched to “locked” position. The shape and weight of the base-plate provide for the necessary weapon stability and endurance during firing. It is circular in shape and is made of welded steel sheets. Connection with the barrel is achieved via the ball of the breech-piece bearing in the base-plate enabling mortar rotation by moving the bipod.

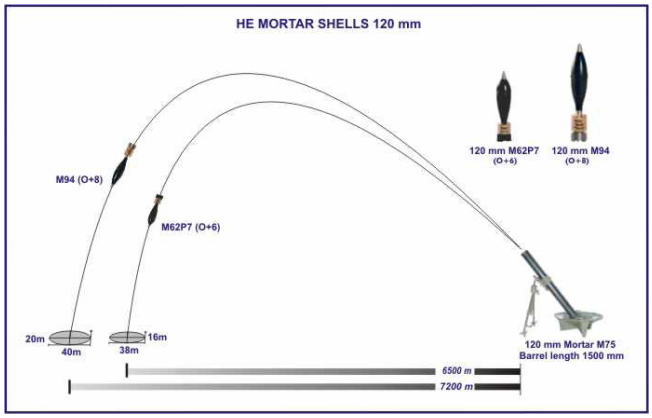
Being robust, the base-plate ensures firing in all kinds of terrains, while the bipod carriage enables barrel laying in any pre-set traversing and elevation angle, as well as weapon stability during firing together with the base-plate.

Adverse effects of a ground slope are eliminated in a swift and simple manner. The undercarriage is of robust design with a flexible support obtained by a torsion bar. In traveling position, the undercarriage is used to carry 4 projectiles. It is equipped with inflatable 6.5 x 16 tires enabling the weapon to be towed at the regular speed of a towing vehicle.

## The mortar set consists of:

- 120 mm M95 mortar with its main assemblies (mortar barrel breech-piece, base-plate, bipod carriage, undercarriage and NSB-5A sighting device);
- spares and accessories kit;
- battery set (for 4 to 6 weapons, depending on the customer's formation) can also be supplied.

- Weight, traveling position: 406 kg
- Weight, combat position: 204 kg
- Range, max: 9,500 m
- Range, min: 316 m
- Maximum pressure in the barrel: 1500 bar
- Rate of fire: 9 shells per minute
- Barrel length: 1,900 m




| | Ranges | Max | Min |
|---|---|---|---|
| 1 | HE mortar shell (0+6) M62P7 | 6500 m | 255 m |
| 2 | HE mortar shell (0+8) M95 | 7200 m | 255 m |
| 3 | HE mortar shell (0+10) M95 | 9200 m | 275 m |
| 4 | Smoke mortar shell (0+6) M64P1 | 6500 m | 255 m |
| 5 | High smoke mortar shell (0+5) M88 | 6000 m | 400 m |
| 6 | Illuminating mortar shell (0+5) M87 | 6000 m | 400 m |
| 7 | Illuminating mortar shell (0+8) M91 | 6600 m | 400 m |

