

The Mortar Company.



hirtenberger
Defence Systems

KEEP ON TARGET

M8 | 81 MM MORTAR

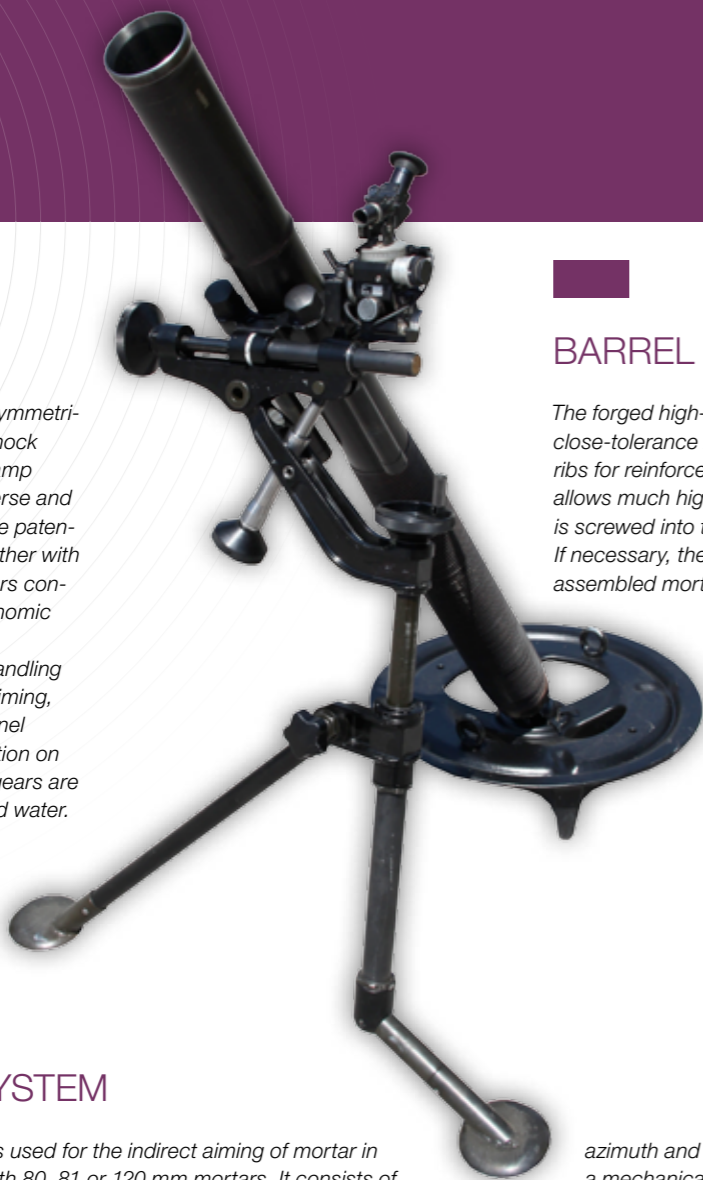
Advanced Austrian design
for highest firepower and
maximum reliability

KEEP ON TARGET

M8 – 1165 | M8 – 1365

81 MM MORTAR

Developed for the Austrian Army, this mortar does not only meet the highest tactical and logistical demands, it will also operate under extremely difficult topographical conditions. Thanks to its high firing capacity, high accuracy and quick and easy operation, it is suitable for all types of combat. Especially as indirect fire support for infantry, paratroops and armoured personnel carriers. All types of 81 mm mortar bombs can be fired from this mortar. In service with the Austrian Army.



BIPOD

The newly designed asymmetrical bipod carries the shock absorber, the barrel clamp and the elevating, traverse and cross levelling gear. The patented elevating gear together with the other adjusting gears constitute an optimal ergonomic solution.

The results are: Easy handling during assembly and aiming, easy training of personnel and trouble-free operation on all types of terrain. All gears are sealed against dust and water.

BARREL AND BREECH CAP

The forged high-strength special steel barrel with smooth, close-tolerance bore can be provided with specially designed ribs for reinforcement and improved heat dissipation; this allows much higher firing stresses. The breech plug, which is screwed into the barrel, has a rigidly mounted firing pin. If necessary, the latter can be easily removed from the assembled mortar.

BASE PLATE

The base plate is drop-forged and made of a high-strength aluminium alloy with reinforcing ribs. The design combines low weight with high stability so that the base plate is able to withstand highest impact stresses.

SIGHTING SYSTEM

The Mortar Sight A06 is used for the indirect aiming of mortar in elevation for the use with 80, 81 or 120 mm mortars. It consists of an aiming device with precise elevation and azimuth adjustment means for angle setting and with an optical sighting telescope and is provided with a dovetail mounting system according to NATO standard. The coarse and fine azimuth scales can be adjusted and clamped, furthermore the azimuth worm gears can be disengaged for a fast adjustment. Vial levels are mounted on the housing and the optical sighting telescope is mounted on the top of the aiming device and the ocular exit is 45° elbowed to the objective axis. The complete telescope can be tilted +/- 25° and also rolled axially 90°. This design makes the instrument very convenient to operate particularly with different types of mortars. This optic of the A06, has a magnification of 2.6 x and a field of view of 9°. A crosshair reticle is integrated in the telescope. For night operation, the A06 is equipped with an electrical illumination system based on LED-technology which provides illumination of the scales, bubbles and the reticle powered by 2 standard batteries 1.5 V (Type AA).



TECHNICAL DATA	M8 R – 1165	M8 R – 1365
Calibre	81 mm	81 mm
Max. range*	5865 m	6669 m
Max. rate of fire	30/min	30/min
Max. operating gas pressure	90 MPa	100 MPa
Weights:		
Total	38.6 kg	40.2 kg
Barrel	13.3 kg	14.9 kg
Bipod	12.8 kg	12.8 kg
Base plate	12.5 kg	12.5 kg
Dimensions:		
Length of barrel (overall)	1280 mm	1482 mm
Ballistic length	1165 mm	1365 mm
Diameter of base plate	547 mm	547 mm

*with Hirtenberger HE Mk4

Due to continuous technical improvement this product is subject to modification

