



MILITARY SIMULATIONS

Eli is an Estonian engineering company that has its roots in developing and producing military simulations equipment. We have been creating custom solutions for the most demanding end users in the defence sector since 1995. Our military simulations products include pop-up target systems, mortar simulators and weapons recoil kits. We have exported our simulations solutions to over 30 countries, where they have been integrated into the training processes of different military and domestic security forces.

Eli enjoys a close cooperation with our end users, and that combined with an agile development style gives us the ability for rapid prototyping and integrations of the latest technological capabilities into our platforms. Eli is a member of the Estonian Defence Industry Association since 2010 and the Defence Industry company of the year 2016.



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Eesti tuleviku heaks

ELI MILITARY SIMULATIONS
Address: Haljas tee 25, 12012 Tallinn, Estonia | Phone: +372 6480242
Homepage: www.eli.ee | E-mail: eli@eli.ee



M-GOLF

60mm, 81mm and 120mm mortar simulator Description

The mortar simulator **M-Golf** is intended for field training a mortar team to aim and fire in conditions close to real firing. The appearance and the operation of the simulator are identical to the real mortar. It uses pressurized **CO₂ gas** for propulsion of special **non-explosive rounds**. The range is brought down to **1:10 scale** enabling the user to use small training area.

Due to innovative construction, the M-Golf has **superior accuracy** and it is easy and very cost-effective to use and maintain. The actual size of the barrel opening is smaller than the real weapon to prevent accidents with live ammunition.

Different round charges are simulated by changing the operating pressure. A microprocessor-based control unit controls the charging of the reservoir and its pressure. Sighting and aiming are calibrated to simulate an actual weapon. The ballistic tables and wind corrections are used for sighting and aiming as in the case of real firing.

With a minimum charge the 81 mm mortar simulator can fire at least **1000 shots** and with maximum charge at least **200 shots** using the 10 L CO₂ gas reservoir.

With a minimum charge the 120 mm mortar simulator can fire at least **850 shots** and with maximum charge at least **170 shots** using the 10 L CO₂ gas reservoir.

Special multi-usable simulation rounds with hardened tip are used for shooting. Inside the shell is a specially constructed reservoir for CO₂ gas and a container with an **environmentally friendly** hit marker to **simulate an explosion**.

