

A soldier in camouflage gear is operating a GMG Grenade Machine Gun in a field. The gun is mounted on a tripod and has a large, black, cylindrical barrel. A green magazine is visible on the side. The soldier is wearing a helmet and is looking through the sights. The background is a field of tall grass and bushes.

GMG GRENADE MACHINE GUN



GMG

INCREASINGLY, ARMED FORCES WORLDWIDE REQUIRE A UNIVERSAL FIRE SUPPORT SYSTEM. IN THE PAST, ARMED FORCES HAVE DEPENDED ON HEAVY MACHINE GUNS OR ADD-ON GRENADE LAUNCHERS, BUT NEITHER IS AN IDEAL SOLUTION. WITH NORMAL, SMALL FIREARMS, EFFECTIVE, AIMED SHOTS BECOME LESS LIKELY AS THE RANGE INCREASES. MOREOVER, CONVENTIONAL RIFLE AMMUNITION PROVIDES NO FRAGMENTATION EFFECT, AND IS LARGELY INEFFECTIVE AGAINST ARMoured VEHICLES. ADD-ON GRENADE LAUNCHERS, ON THE OTHER HAND, HAVE THE DISADVANTAGE OF A RELATIVELY LOW RATE OF FIRE.

IN ORDER TO CLOSE THIS EFFECTIVENESS GAP IN INFANTRY WEAPONS, HECKLER & KOCH HAS DEVELOPED A LONG-RANGE GRENADE MACHINE GUN WITH A LARGE INDIRECT AREA OF EFFECT – THE GMG IN CALIBRE 40 MM X 53 (HIGH VELOCITY).

THANKS TO ITS HIGH RATE OF FIRE, COMBINED WITH THE FRAGMENTATION AND ANTI-ARMOUR EFFECT OF THE 40 MM ROUNDS, THE GMG COMBINES THE ADVANTAGES OF MACHINE GUNS AND GRENADE LAUNCHERS. WHAT IS MORE, IT PROVIDES HIGH OPERATIONAL FLEXIBILITY. IT CAN BE USED EITHER ON A TRIPOD AS AN INFANTRY WEAPON FOR ENGAGING GROUND TARGETS, OR INSTALLED ON A MOUNT FOR USE ON LAND VEHICLES OR PATROL BOATS. INTEGRATED SAFETY FEATURES AND WELL THOUGHT-OUT MECHANICAL ELEMENTS MAKE THE GMG WHAT IT IS: ONE OF THE WORLD'S MOST TECHNOLOGICALLY ADVANCED GRENADE LAUNCHERS.

GMG | 40 MM X 53

Mounted on tripod with reflex sight. With a range of up to 1500 m against unarmoured and lightly armoured ground targets with targeted single fire or short bursts. Applications: dismounted infantry operations, vehicle weapon, on vessels or in helicopters.



APPLICATION EXAMPLE FOR THE GMG ON THE "REMOTE-CONTROLLED LIGHT WEAPON STATION 200" FROM KMW:

Mounted on the FLW 200, the GMG can be used on military vehicles as a main or secondary weapon. All weapon functions, the laying system and the optronics can be remote-controlled from the inside of the vehicle.

For additional information about the FLW 200:
www.kmweg.com



GMG

UPPER MOUNT. The upper mount buffers the recoil. It is equipped with grips, a second trigger, an adjustable shoulder support, mount for the ammunition box and mounting points for MIL-STD 1913 Picatinny rails at the 3, 9 and 12 o'clock positions for the use of optional sight systems, such as the HuntIR infrared camera (not illustrated) from AIM Infrarot-Module GmbH.

For additional information about the HuntIR: www.aim-ir.com



FEED SYSTEM. Driven by the bolt group, it feeds the belted ammunition in two even steps when the bolt group moves forwards and backwards. The feed can be relocated to the left or right side of the weapon without tools.



OPERATING ELEMENTS. The safety/fire selector lever, trigger and charging handle are located on the end of the receiver.



GMG SAFETY FEATURES

SAFETY/FIRE SELECTOR LEVER

The safety/fire selector lever has the positions safe, single fire and sustained fire. In the "safe" position the trigger and the bolt group are blocked in the cocked state.

LOADING SAFETY

The loading safety prevents the bolt group from moving completely forwards when the cover is open. This prevents unintentional firing.

BOLT GROUP RETAINER

The bolt group retainer holds the bolt group in any position to allow any faults that arise to be rectified without danger.

FIRING PIN SAFETY

The firing pin safety ensures that the firing pin can only touch the cartridge primer if the cartridge has been fed into the chamber completely.

COCKING SAFETY

The cocking safety automatically prevents inadvertent firing of the weapon if the bolt group is not cocked all the way.

BARREL AND COVER SAFETY

The receiver cover can be closed only if the barrel has been inserted correctly.

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FEED SYSTEM

The feed can be relocated to the left or right side of the weapon without tools.

REFLEX SIGHT

Optionally available as a tritium sight or as a battery-powered sight system. Allows quick target acquisition at ranges up to 1500 m.

WEAPON CARRYING HANDLE

SHOULDER SUPPORT

Height and length adjustable for optimal adaptation to the firer's body size.

CHARGING HANDLE

Located centrally on the end of the receiver.

TRIPOD

The lightweight, telescopic tripod can be adjusted to a large number of different firing positions, thus providing increased tactical flexibility. Alternatively the GMG can also be mounted on an M3 tripod.

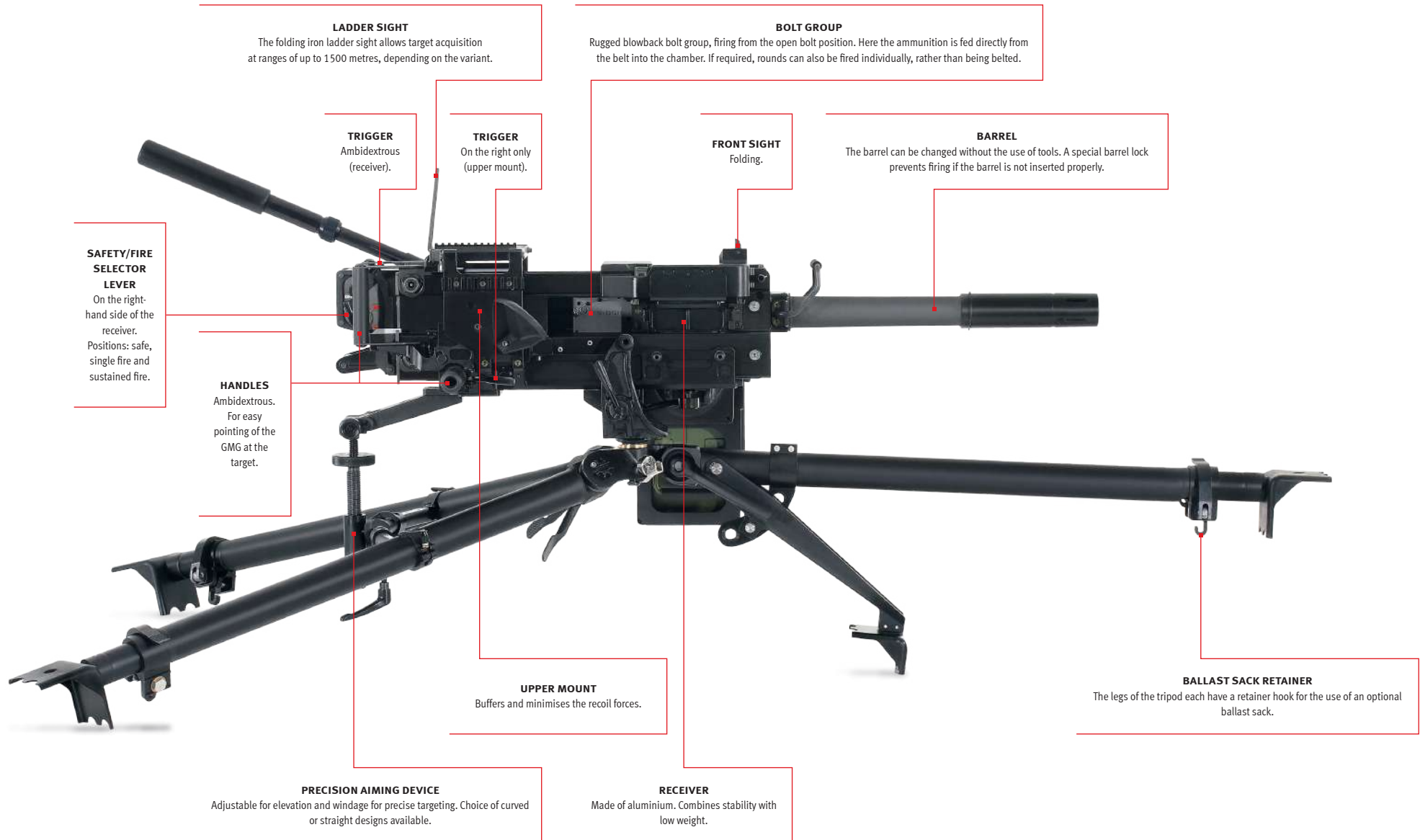
AMMUNITION BOX HOLDER

Example of an ammunition box with 32 rounds. An ammunition box holder for 16 rounds is optionally available.

AMMUNITION BOX

The belted 40 mm x 53 ammunition is fed from a NATO PA 120 ammunition box with a capacity of 32 rounds. Optionally it is possible to feed 16 rounds (40 mm) from a .50 calibre ammunition box.

GMG



TECHNICAL DATA

	Calibre	Round feed	Modes of fire	Rate of fire (per min., approx.)	Max. effective range (in m, approx.)	Sight ¹	DIMENSIONS				
							Length min./max. (in mm, approx.)	Width min. ² /max. ³ (in mm, approx.)	Height min. ² /max. ³ (in mm, approx.)	Height w. tripod min./max. (in mm, approx.)	Barrel length ⁴ (in mm, approx.)
GMG C	40 mm x 53	Belt feed from the left or right	0-1-D	340	1500	LV, R	1175/1505	252/797	215/469	700/1600	577

	WEIGHTS						Operating principle
	Weapon (in kg, approx.)	Upper mount (in kg, approx.)	Holder for ammunition container (in kg, approx.)	Ammunition container ⁵ (in kg, approx.)	Tripod (in kg, approx.)	Precision aiming device (in kg, approx.)	
GMG C	29.00	12.60	4.30	20.20	15.00	2.50	Blowback operation, firing from the closed bolt

¹ Various sights can be mounted, LV = Ladder sight, R = Reflex sight | ² Without upper mount and holder for ammunition container | ³ With upper mount and holder for ammunition container

⁴ With flash hider | ⁵ Full (32 rounds)