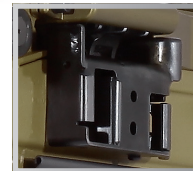




# HK121

Universal Machine Gun. Modular. Reliable. Superior.

As the successor of the MG3, the HK121 opens a new era of universal belt fed 7.62 mm x 51 NATO calibre machine guns. Compared to others, the gas operated HK121 offers an intelligent and contemporary build standard, with numerous technical and ergonomic innovations. The mounting interface of the HK121 is compatible with MG3 mounts and tripods already in service. The universal HK121 can be used by dismounted infantry in the ground role, as well as for air defence or as a vehicle mounted/co axial machine gun. The Universal HK121 is designed to meet the complex tactical demands of the modern battlefield.



## FEATURES

- ▶ COCKING IN ALL SAFETY POSITIONS
- ▶ WITHSTANDS BARREL OBSTRUCTION TEST IN ACCORDANCE WITH NATO-AC225/D14 STANDARDS (SOFT CORE AND STEEL CORE AMMUNITION DM111A1, DM151)
- ▶ CAN BE INSTALLED ON ALL MOUNTS AND TRIPODS ORIGINALLY DEVELOPED FOR MG3 MACHINE GUNS
- ▶ DAY AND NIGHT FIGHTING CAPABILITY
- ▶ NATO-STANAG 4694 MOUNTING RAILS
- ▶ MISSION RELATED OPTIONAL BARREL LENGTHS (QUICK CHANGE BARREL WITH CARRYING HANDLE)
- ▶ TOOL-LESS AND SIMPLE RECONFIGURATION TO A MOUNTED, UNIVERSAL, SPECIAL FORCES OR INFANTRY MACHINE GUN
- ▶ 3 POSITION RATE OF FIRE ADJUSTMENT
- ▶ BELT FED WITH WEAPON STATE INDICATOR

- ▶ AMBIDEXTROUS SAFETY/FIRE SELECTOR LEVER
- ▶ SIMILAR OPERATION TO MG4
- ▶ MODERN DESIGN BUFFER REDUCES RECOIL AND STABILISES THE RATE OF FIRE
- ▶ BLACK AND GREEN BROWN COLOUR SCHEME
- ▶ FIXED, FOLDABLE AND ADJUSTABLE LENGTH BUTTSTOCK OPTIONS

## USAGE

- ▶ MACHINE GUN FOR ENGAGEMENT OF SINGLE OR MULTIPLE TARGETS (SUPPORT/SUPPRESSIVE FIRE)
- ▶ MOUNTED AS FIELD/VEHICLE MACHINE GUN OR DEPLOYED AS AN ANTI-AIRCRAFT WEAPON (E.G. ON FLW100)
- ▶ INTEGRATED AS A SECONDARY OR COAXIAL ARMAMENT (INFANTRY FIGHTING VEHICLE TURRET CONFIGURATION)
- ▶ SUSTAINED FIRE SUPPORT WEAPON FOR MOBILE INFANTRY



# HK121

## Technical Data



|                                   | HK121 I   | HK121 U  | HK121 S  | HK121 EBW  |
|-----------------------------------|---|--|--|--|
| Calibre                           | 7.62 mm x 51 NATO                                       |  |  |  |
| Operating principle               | gas-operated  |  |  |  |
| Bolt system                       | rotating bolt, fires from the open bolt                 |  |  |  |
| Feed mechanism                    | belt fed from left side, NATO 7.62 disintegrating links |  |  |  |
| Modes of fire                     | O-D (automatic)   |  |  |  |
| DIMENSIONS                        |   |  |  |  |
| Length min.   max.                | approx. –   1060 mm                                     | approx. 960 mm   1160 mm                             | approx. –   1012 mm                                  | approx. –   1055 mm                                  |
| Width                             | approx. 120 mm  | approx. 120 mm                                       | approx. 171 mm                                       | approx. 120 mm                                       |
| Height <sup>1</sup>               | approx. 285 mm  | approx. 239 mm                                       | approx. 239 mm                                       | approx. 195 mm                                       |
| Barrel length <sup>2</sup>        | approx. 460 mm  | approx. 550 mm                                       | approx. 550 mm                                       | approx. 663 mm                                       |
| Sight radius                      | approx. 600 mm  | approx. 602 mm                                       | approx. 602 mm                                       | –  |
| WEIGHT                            |   |  |  |  |
| Weapon <sup>3</sup>               | approx. 9.90 kg   | approx. 11.20 kg                                     | approx. 12.10 kg                                     | approx. 10.00 kg                                     |
| Barrel                            | approx. 2.50 kg   | approx. 3.00 kg                                      | approx. 3.00 kg                                      | approx. 3.24 kg                                      |
| Bipod                             | –   | approx. 0.70 kg                                      | approx. 0.70 kg                                      | –  |
| Grip Pod                          | approx. 0.30 kg   | –  | –  | –  |
| OTHER DATA                        |   |  |  |  |
| Trigger pull                      | approx. 35 - 80 N                                       | approx. 35 - 80 N                                    | approx. 35 - 80 N                                    | approx. 35 - 80 N                                    |
| Rate of fire <sup>4</sup>         | approx.<br>600/700/800 rounds/min                       | approx.<br>600/700/800 rounds/min                    | approx.<br>600/700/800 rounds/min                    | approx.<br>600/700/800 rounds/min                    |
| Muzzle velocity -v0- <sup>5</sup> | approx. 785 m/s   | approx. 810 m/s                                      | approx. 810 m/s                                      | approx. 840 m/s                                      |
| Muzzle energy -E0- <sup>5</sup>   | approx. 2912 J  | approx. 3100 J                                       | approx. 3100 J                                       | approx. 3334 J                                       |
| Barrel profile   Twist            | groove/land profile,<br>4 grooves   right-hand twist    | groove/land profile,<br>4 grooves   right-hand twist | groove/land profile,<br>4 grooves   right-hand twist | groove/land profile,<br>4 grooves   right-hand twist |
| Sights <sup>6</sup>               | dioptré sight   | dioptré sight  | dioptré sight  | –  |
| Max. effective range              | approx. 600 m (bipod)                                   | approx. 600 m (bipod)<br>approx. 1200 m (gun mount)  | approx. 1500 m                                       | approx. 1500 m                                       |
| Colour scheme                     | ■   ■   | ■   ■  | ■   ■  | ■   ■  |

<sup>1</sup> without sight, front sight folded down | <sup>2</sup> without flash hider | <sup>3</sup> dependent on weapon configuration | <sup>4</sup> adjustable rate of fire (3 position) | <sup>5</sup> ammunition DM111A1/AB22 | <sup>6</sup> various optical sights and accessories on STANAG 4694 rail

