

GNAT™ AND GNAT HEAVY DUTY (HD)™

Lightweight, twin-lug, electro-mechanical, gravity carriage and release units

The Gnat electro-mechanical store release unit (SRU) is a lightweight carriage solution for twin-lugged micro-munitions weighing up to 68 kilograms (150 pounds). It is suitable for both unmanned medium altitude long endurance (MALE) platforms and manned special role, counterinsurgency and border patrol aircraft.

The Gnat features self-latching, independent, 14-inch hooks and paired, self-centering, wind-down sway braces to speed loading. The system provides up to three arming units as well as a variety of aircraft attachment methods.

The Gnat HD is designed to carry the GBU-59 250-pound, laser-guided bomb while remaining a lightweight unit and retaining all the features of the original Gnat. The Gnat's light weight makes it particularly suitable for helicopters, small aircraft and remotely piloted vehicles.



BENEFITS

- > **Independently self-latching hooks and semi-automatic sway bracing simplifies loading**
- > **Lightweight unit design allows for heavier payloads**
- > **Operation and maintenance requires no specialist skills, tools or test equipment**
- > **Low annual maintenance and consumables saves on costs and manpower**
- > **In-flight operable lock (IFOL) ensures safe carriage**



OPERATIONS

The Gnat and Gnat HD are designed to require little or no maintenance and reduce operator work load. No daily servicing is necessary as no wet lubricants are used, thereby reducing the accumulation of debris. Operation requires only a single loader due to the automatic hook-latching and self-centering wind down sway bracing features.

APPLICATIONS

Both the Gnat and Gnat HD are currently in operation on manned border-patrol aircraft.

Additionally, the Gnat has been flight tested on several rotary and fixed-wing unmanned aerial vehicle (UAV) platforms, the IOMAX Archangel, and is being evaluated on several development programs.

CHARACTERISTICS	GNAT	GNAT HD
Weight	3.5 kg / 7.7 lbs	4.3 kg / 9.5 lbs
Dimensions L x H x W	406 x 132 x 125 mm 16 x 5.2 x 4.9 in (chassis, less sway-braces)	464.6 x 132 x 125 mm 18.3 x 5.2 x 4.9 in (chassis, less sway-braces)
Max store weight	68 kg / 150 lbs	190 kg / 416 lbs
Store diameter	102 mm / 4 in to 203 mm / 8 in	127 mm / 5 in to 304 mm / 12 in
Store interface	Twin 100 lbs or 1000 lbs lug, 14 in spacing per MIL-STD-8591	



GNAT



GNAT HD



GNAT and GNAT HD DS8113 MC

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