

## WASP™ AND HORNET™

Lightweight, electro-mechanical,  
gravity carriage and release units

The evolution of tactical unmanned aerial vehicle (UAV) missions drives the need for lightweight carriage and release equipment. These carriers support various types of payloads, including micro-munitions, sensor pods and resupply pods.

The Wasp and Hornet electro-mechanical carriage and release units allow for ultra-lightweight carriage of the emerging class of stores under 23 kilograms without compromising safe carriage and reliable release.

Both Wasp and Hornet accommodate a single-lugged store and can be used on a wide array of platforms with a max lateral load factor of 4g. They were designed with safety

in mind featuring an in-flight operable lock (IFOL) and ice blockers to prevent inadvertent releases in all weather conditions.

Additionally, the Hornet provides a 19-way, zero-retention, force electrical connector to allow aircraft-to-store communications during carriage. The mating receptacle is low profile for minimal impact on drag and intrusion into the store.



### BENEFITS

- > Optimized for use on manned light-attack, special-role aircraft, tactical UAV and medium-altitude, long-endurance UAVs
- > Available as single and multiple release systems for mission versatility
- > Low annual maintenance and consumables saves on costs and manpower
- > Lightweight unit design allows for heavier payloads



## OPERATIONS

The Wasp and Hornet require no day-to-day servicing, have low consumables and do not use any wet lubricants or anti-corrosion treatments. Operation requires only a single loader due to the automatic hook-latching and self-centering wind down sway bracing features. The IFOL removes the need for ground safety pins, further simplifying ground operations.

## APPLICATIONS

The Wasp and Hornet are currently in use on several UAV platforms and under assessment for others. The Hornet receptacle is now incorporated into two in-service munitions and is being adopted for other users.

Additionally, the Wasp and Hornet have been demonstrated on manned, light-attack and special-role aircraft for carriage of micro-munitions.

CHARACTERISTICS	WASP	HORNET
Weight	<0.8 kg / 1.8 lbs	<1 kg / 2.2 lbs
Dimensions L x H x W	138 x 125 x 40 mm chassis 5.5 x 4.9 x 1.6 in chassis (101 at sway brace - max)	216 x 125 x 40 mm chassis 8.5 x 4.9 x 1.6 in chassis (101 at sway brace - max)
Max store weight	23 kg / 50 lbs	23 kg / 50 lbs
Store diameter	76 - 204 mm / 3 x 8 in	76 - 204 mm / 3 x 8 in
Store interface	Single 100 lbs lug, per figure 2 of MIL-STD-8591	Single 100 lbs lug, per figure 2 of MIL-STD-8591



WASP AND HORNET



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