



Environmentally Protective Transport & Storage (EPTS) 'Aero-Propeller Bag'

For the Hamilton Sundstrand 54H60-91/ 117/ 77 and the Dowty R391 Propellers



ATL 1133-001 C-130H
EPTS Aero-Propeller bag



ATL 1111-001 R391 C-130J/ C27 Spartan
EPTS Aero-Propeller bag



ATL 1127-001 P3 Orion
EPTS Aero-Propeller bag

The Environmentally Protective Transport & Storage (EPTS) Aero-Propeller bags have been designed and developed for use on the Hamilton Sundstrand 54H60-91/117/77 installed onto the Lockheed Martin C-130E to H Hercules & P3 Orion Aircraft Platforms and the Dowty R391 Propellers installed onto the Lockheed Martin C-130J Hercules & Alenia C27 Spartan Aircraft platforms.

The EPTS Aero-Propeller Bag protects the propeller assembly against the environment and shock impact whilst mounted onto the standard storage/transport support stand.

The EPTS Aero-Propeller bags are produced in two standard colours RAL- 5029 Light Blue and RAL -6001 Green, although additional colours are available on request.

The propeller assembly does not have to be removed from the storage and transport stand to install the EPTS Aero-Propeller Bag.

The EPTS Aero-Propeller bag ATL1111- 001 has been approved by Lockheed Martin Aeronautics Inc, Marietta, Georgia. For use on R391 Propellers installed onto the C-130 J Hercules. Subsequent EPTS Aero-Propeller bag designs for various aircraft platforms have been based upon this technology.

Part Marking

Each EPTS Aero-Propeller bag is individually identified with the following information:

- EPTS Aero-bag Part Number
- Description
- Individual Serial number

Each EPTS Aero-Propeller bag is supplied within a lightweight fabric transport bag. This simplifies transportation and ensures all elements of the Aero-bag system remain together as a complete working unit.



Special Features and Specification

- The EPTS Aero-Propeller bag consists of individual padded protective bag sleeves; a protective cover for the central hub and a protective rear hub closure disc.
- The EPTS Aero-Propeller bag encloses and protects the propeller assembly from UV rays, foreign objects, direct moisture, dust ingestion and damage caused by impact shock.
- Each propeller blade is enclosed in its own common bag sleeve, which is closed and sealed, by a heavy-duty zip and slider. The zip is continuously stitched to the surrounding outer PVC material and inner nylon lining material down the centre of the underside of the blade bag sleeve. Each of the propeller blades is fully accessible when each of the bags is opened and removed.



- Each bag sleeve has internal polypropylene plates and are bound in a polypropylene binding to protect each blade against damaged caused by impact.



- An external visibility strap is fitted on the propeller bag sleeve tip for safety indication, and a clear A4 documentation pocket for holding the individual propeller logbook, paperwork and other documentation.
- The EPTS bag material has a rated temperature envelope of -30 to +70°C (-22 to 158°F) and will not crack at sub-zero temperatures. It's manufactured from a supported CNC cut PVC textile which is strong and durable and may be creased or folded without damage; both outer surfaces have then been coated with a protective flexible coating of acrylic lacquer for protection against ester-based fluids.

- The EPTS Aero-Propeller bag is designed to interface with the following transport trolley/ support stands:

Part Number:	NSN No:
207-500-101	200-000-101 1740-00-106-8512
207-300-1	200-000-104 1740-01-231-4826
207-300-3	
207-300-5	

Special Features and Specification

- On the underside of the central hub is a polypropylene rear hub closure disc, which closes around the diameter of the flange adapter connected to the base plate of the Propeller Dolly Hinge Plate. The closure disc is made in two halves and has an overlapping joint using Velcro to allow for fitting and removal around the flange adapter, thus forming a complete and very strong circular collar.
- The external diameter of the closure disc extends outside of the rear spinner to ensure the underside of the propeller is fully protected. The closure disc is also covered from the external diameter inwards with industrial Velcro, which is used for attaching the central hub cover bag on the underside.
- The central hub of the propeller is enclosed with its own one-piece cover bag manufactured from PVC. It fits over the central hub with individual sections fitting between each propeller blade and is held in position with a closure point at the rear of the propeller spinner.



- The central hub cover bag is positioned using a Red colour-coded indicator for orientation. There are yellow colour-coded indicators that correspond to similar indicators on each of the propeller bag sleeves. The central hub-cover attaches and seals around all surfaces of each of the flanges of the blade sleeve bags and against the rear hub closure disc using Velcro fasteners.
- This arrangement provides complete protection of the propeller. The design of the central hub cover bag enables the propeller spinner to be installed or uninstalled during storage and transportation.
- This design concept can be used for other propellers and transport stands, please enquire if you have a specific requirement.

Ordering Information:

C130H	ATL 1133-001-B (BLUE)	C130J	ATL 1111-001-B (BLUE)	P3	ATL 1127-001-B (BLUE)
C130H	NSN 1610-99-676-5110 (BLUE)	C130J	NSN 1730-99-133-7780 (BLUE)	P3	NSN 8145-99-238-9535 (BLUE)
C130H	ATL 1133-001-G (GREEN)	C130J	ATL 1111-001-G (GREEN)	P3	ATL 1127-001-G (GREEN)
C130H	NSN 1730-99-553-2927 (GREEN)	C130J	NSN 1730-99-352-4508 (GREEN)	P3	NSN 1730-99-282-9633 (GREEN)
				NCAGE Number:	KE 160



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