

Combined Griffon & Merlin Engine Storage & Transport System

“Preserve & Protect your legacy.”

A combined Engine Storage & Transport System for the storage of Griffon and Merlin Engines, the Engine variants the system will support is as follows:

ENGINE VARIANT	
Merlin Mk 35	Griffon RG30 SM-S
Merlin Mk 24 /(500)	Griffon Mk 58
Merlin Mk 66 /(266)	Griffon Mk 65
Merlin Mk 113	Griffon Mk 66

Engines are historically significant, high-value assets requiring protection from corrosion, environmental exposure, and handling risks.

Traditional crates and frames often lack modularity, or long-term storage capability.

Our **unique** system combines engine protection, storage, road and air transportation readiness in one engineered solution.

The Aero-Bag protects Rolls-Royce Griffon and Merlin engines from moisture, dust, sand, and corrosion, featuring a tailored design, Gas-tight zip with T-handle, without the need for opening/closure special tooling, nitrogen purging, digital environmental monitoring, Paired with the robust Engine Stand Assembly with castors, forklift pockets, lashing points, and organised storage, the system ensures safe, efficient, and ready-to-use handling for transport, storage, and maintenance operations.

The Engine Storage & Transport System ATL1529-001 comprise of two (2) major elements:

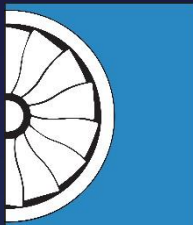
- Engine Stand Assembly - ATL1529-002
- Preservation Aero-Bag Assembly - ATL1529-003

Rolls-Royce Griffon



Rolls-Royce Merlin





Engine Stand Assembly - ATL1529-002

- Mild steel welded frame supporting Rolls-Royce Griffon/Merlin engines, sized for Griffon RG30 SM-S (2100 lbs).
- Designed to EN 12195-1 and MIL-STD-1791C; fabricated to latest industry standards.
- Separate engine interface mounts including expanding the range of mounting configurations.
- Clear markings for part/ serial number, centre of gravity, empty weight and other necessary identification labels for proper handling and safety.
- Painted Signal Yellow (RAL1003).
- Lashing points: 3 per side, 2 front, 2 rear.
- 4 swivel castors with outboard brakes; integrated forklift pockets.
- Movement handles; adjustable rear bumper bar.
- 4 x Aero-Bag sealing mounts.
- Provision of a dedicated shelf to support the internal Aero-Bag desiccant pouch.
- Designated space for the Aero-Bag holdall ensuring organised storage.

Aero-Bag Preservation Assembly - ATL1529-003

- Designed as one assembly, no Aero-bag separation.
- Made from EVA-PVC alloy fabric, excellent chemical resistance; temperature range -40°C to +70°C. F.
- Fully protects Rolls-Royce Griffon/Merlin engines from moisture, dust, sand, and corrosion during storage, road & Air transportation.
- Tailored to seal on 4 x engine-stand mounts; Aerotest (RAL 5012) - Blue colour.
- Includes sacrificial oil panel, drain port, pressure relief valve.
- Digital environmental indicator monitors internal temperature, dew point, and humidity.
- Front and rear nitrogen purge portholes.
- Gas-tight zip with T-handle and closure straps for easy sealing.
- Welded Anti-tamper lugs to attach tags for locking the zips and portholes.
- Supplied as single assembly with lightweight transport/storage bag, Including humidity control kit, desiccant sachets, repair kit, zip lubricant, anti-tamper tags, and marker pen.
- Common QR Code will be provided to access the O & M Manual and associated documentation (e.g. Repair procedures, data-sheets) on-line.

Typical Use Scenarios:

Long-term museum storage: Engines stored safely over years, with periodic inspections, without risk of degradation.

Inter-museum / exhibition transport: Moving a Griffon or Merlin between sites domestically or internationally with confidence.

Restoration workshop movement: Engine remains secured in the system during overhaul disassembly, cleaning, reassembly and testing phases.

Heritage display preparation: The unit can serve as a display frame allowing public viewing while maintaining safety.