

DEFENCE

PRODUCT GUIDE



Your added
value solution
provider



Providing engineered
solutions to the
Defence market



CLARENDON SPECIALTY FASTENERS DEFENCE

Clarendon Specialty Fasteners supply bespoke engineered solutions and standard range products for a variety of applications within the Defence industry. With an increasingly unpredictable environment, the Armed Forces require innovative and high quality products, combined with reliable supply.

PRODUCT PORTFOLIO



CAPTIVE SCREWS

Captive screws can be supplied in a wide range of sizes, head styles and finishes. Snapped into place just using thumb pressure, the aluminium grommet then retains the screw in the panel, which ensures there are no missing parts on dis-assembly and enables compliance with Machinery Directive (2006/42/EC). Self-ejecting versions are also available for sliding fit panels.



THREADED INSERTS

Supplying a diverse selection of inserts to suit a range of aerospace applications:

- Wire Thread: tang and tangless versions available in metric and imperial sizes in a variety of materials including Stainless Steel, Inconel®, Nimonic® and Titanium.
- Keensert: gives high strength joints in low strength materials and provides permanent threads in virtually any parent material.



HOLD DOWNS

Our ergonomically designed ratchet and hold-down systems are built to resist extremes of shock and vibration while allowing quick-change capability. These latches are widely used in the Defence and Aerospace industry for line replacement units (LRU) such as electronic and aviation black boxes. Hold Downs have an ultimate load of 1000 lbs and their biased ratchets give the handle greater loosening torque than tightening torque.



SLIDES, LATCHES, HANGERS & MOUNTING HARDWARE

High quality, lightweight slides, latches, hangers, handles and mounting hardware to suit applications in the Aerospace & Defence sectors. These engineered solutions are designed and manufactured by Actron Manufacturing Inc. with the ability to offer bespoke solutions.



COUPLINGS & QUICK DISCONNECTS

Supplying a large range of fluid couplings with an impressive array of features and flight-tested reliability, our couplings meet the needs of a variety of commercial and military applications. A large range of Quick Disconnects are also available, which offer extremely low pressure drop and a light weight solution, among other benefits.



HOSE ASSEMBLIES

Clarendon Specialty Fasteners supply a wide range of hose assemblies for military applications from one of the world's leading manufacturers - Hydraflow. Creating custom products such as highly specialised breathing oxygen hoses with integral communication cables, electronics fluid cooling with quick disconnects, or electronically heated hoses for potable water is where we excel.

AEROSPACE DEFENCE NAVAL DEFENCE LAND VEHICLES STRUCTURES



SEMS

SEMS are pre-assembled screws and washers that are predominately used in the Aerospace & Defence industry. They reduce inventory count and installed cost through increased production rates and reduce the risk of FOD (Foreign Object Damage) due to the reduction in loose components. Clarendon Specialty Fasteners can manufacture and supply SEMS in varying volumes, sizes, finishes and head styles.



LIVELOCK™

Stocking a wide range of LiveLock™ quick-release panel fasteners, they are securely locked within two turns, yet can take high shear and tensile loads. Although most commonly used on access panels, the versatility of the LiveLock™ fastener range means they are also ideal for other applications within the defence, motorsport and aerospace industries.



1/4 TURN FASTENERS

Quick Release Fasteners from Camloc provide a vibration resistant joining solution for quick, repetitive attachment and removal of panels with minimum effort owing to their quick release 1/4-turn, push-turn & push-push fastening mechanisms.

- Max tensile strength 10,000 N
- Wide range of head styles & sizes
- Long life, high operating cycles
- Hand or tool operated



HO-HO-KUS CLAMPS

We can supply a diverse range of Ho-Ho-Kus clamping systems including; T-Bolt Band, Worm Gear, Saddle, Loop, Couplings, Clip Assemblies and Quick Release. Their high strength CRES, aluminium and composite construction means they can withstand varying high temperatures making them ideal for use on both commercial and military aerospace programs. All Ho-Ho-Kus clamping systems are tested and qualified to meet OEM or Industry Standards.



SLIDE LATCH

We manufacture a selection of slide latches for varying applications. Our spring plunger slide latches are produced using the highest quality components and are predominately used for quick release monitor panels.



PINS

Stocking a large selection of standard range quick release pins from multiple manufacturers in various styles, including; detent, hair, clevis, single action, double action, in both metric and imperial series. We also have the capability to provide engineered solutions for bespoke applications.

Value Added Services



Technical Expertise



Design &
Manufacturing



Bespoke Kitting



Quality Control

Accreditations

EN 9120 (AS9120)

EN ISO 9001



AUTOMATIC INVENTORY REPLENISHMENT

Innovative Kanban/VMI solution through RFID twin-bins

Clarendon AIR provides the capability to automatically manage the inventory requirements of your business through RFID (Radio Frequency Identification) tags which are located in the bin hardware. This provides real time usage for any parts consumed and replenishment notifications transmitted at the touch of a button.



Approvals

Our approvals include Airbus Helicopters, BAE Systems, Airbus Defence & Space, Bombardier and Leonardo.



BAE SYSTEMS



BOMBARDIER

