

Quick Guide

ESSENTIAL COMPONENTS FOR DEFENCE



WHEN EVERY COMPONENT MATTERS

We're Essentra Components, a global manufacturer of small yet essential components that play a critical role in the defence industry. From advanced military vehicles and UAVs to precision navigation and guidance systems, our high-performance solutions are designed to withstand extreme conditions and meet the rigorous demands of mission-critical applications.

We partner with many of the world's leading defence contractors, and system integrators, delivering the highest standards of quality, service, and compliance. With 14 manufacturing facilities worldwide, we combine global reach with localised expertise, ensuring that our customers receive the best solutions, no matter where they operate.

Our extensive product range, engineering capabilities, and supply chain strength allow us to provide customised, high-performance components for manufacturers of drones, armoured vehicles, and search & detection systems. Whether you need robust cable management, fastening solutions, or specialised protection components, we have the expertise and infrastructure to support your most demanding applications.

IDEAL FOR:
DRONES
ARMoured VEHICLES
NAVIGATION &
INSTRUMENTATION

WE WORK TO THE
HIGHEST
INDUSTRY
STANDARDS
 WITH ISO
 ACCREDITATION



KEY CHALLENGES WE HELP SOLVE

In defence applications, even the smallest components can have a big impact on performance, durability, and safety. Essentra Components provides specialised solutions to address common challenges faced by these industries:

- Reliable **cable management** to prevent damage to wiring and ensure signal integrity in extreme environments.
- Secure and accurate cable polarization to prevent misalignment and enhance system efficiency.
- **Sealing solutions** to keep electronic components watertight, dustproof, and tamper-resistant under harsh operating conditions.
- Streamlined **assembly solutions** to simplify manufacturing and reduce production time.
- Optimised **access solutions** for enclosures and critical system components.
- Robust **fastening solutions** for military-grade enclosures, and electronic rack systems.
- Corrosion-resistant protection for **mounting hardware**, fasteners, and structural components exposed to extreme weather and operational stress.
- Shock and vibration protection to prevent microcracks, structural fatigue, and electronic failures in high-impact environments.

From drones to armoured vehicles, we provide engineered solutions that enhance reliability, efficiency, and longevity.

ARMOURED VEHICLES

Our components are designed to withstand extreme environments and high-impact conditions. From cable and hose protection to rugged access hardware, we help prevent damage, reduce vibration, and enhance long-term durability in armoured vehicle systems.

HOSE PROTECTION



SLOTTEX PLUGS

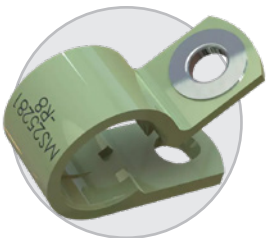


HOSE PROTECTION SLEEVES - TEXTILE



HOSE WEAR PROTECTORS

CABLE & WIRE MANAGEMENT



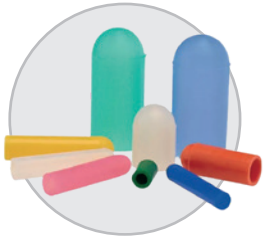
HEAVY-DUTY SUPPORT CLAMPS



PROTECTION



TAPERED CAPS AND PLUGS



MASKING STRAIGHT CAPS



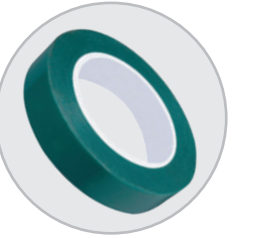
SEALING GASKETS



BLANKING PLUGS



SILICONE CAPS & PLUGS



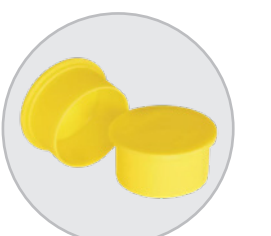
MASKING TAPES, HOOKS & BAGS



ROUND VINYL END CAPS



CIRCULAR CONNECTOR CAPS



PARALLEL PROTECTION PLUGS



ARMoured VEHICLES

LOCKS, LATCHES & HINGES



HEAVY DUTY LATCHES



LEAF HINGES



TORQUE/POSITION CONTROL HINGES



QUARTER TURN LOCKS



TOGGLE LATCHES

FASTENERS



CAPTIVE SCREWS



RIVETS

KNOBS, PINS & LANYARDS



QUICK RELEASE PINS - RINGS

HANDLES



MACHINE HANDLES



ROTARY LATCHES



ADJUSTABLE T HANDLES
- FLUSH MOUNT

WE MANUFACTURE CUSTOM PARTS, TOO!

We provide solutions to 50 of the top 100 largest manufacturers in the world. With over 70 years of manufacturing experience, we can customise our wide range of components for a variety of industries and applications.



3D PROTOTYPING LOCAL SERVICE & SUPPORT

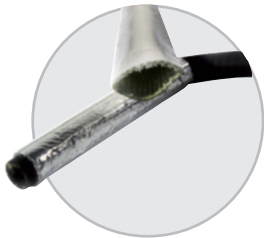
LAUNCHERS

Precision and resilience are critical in launcher systems. Our range supports secure enclosure access, hose routing, and component protection. This minimizes the risk of failure and streamlines maintenance, even in the most demanding settings.

HOSE PROTECTION



THREADED O-RING PLUGS



HEAT RADIANT SLEEVE



HEXAGONAL HYDRAULIC FITTING CAPS

HANDLES



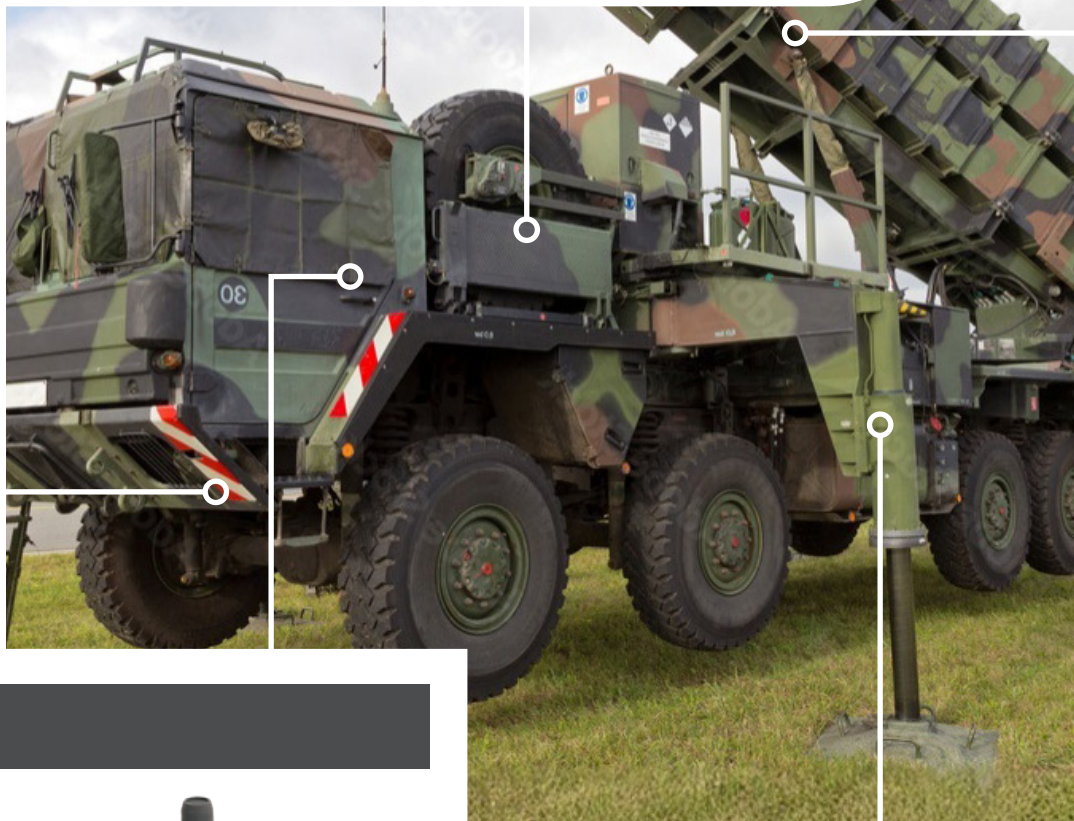
MACHINE HANDLES



HEAVY-DUTY SUPPORT CLAMPS



LIQUID TIGHT GROMMETS

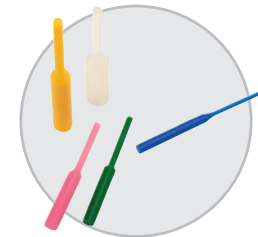


ADJUSTABLE T HANDLES - FLUSH MOUNT

PROTECTION



TAPERED CAPS AND PLUGS



HIGH TEMPERATURE PULL PLUGS



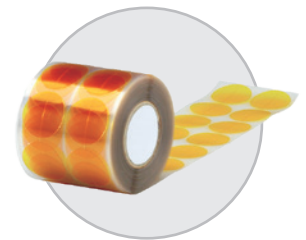
SEALING GASKETS



MOSS PLUGS



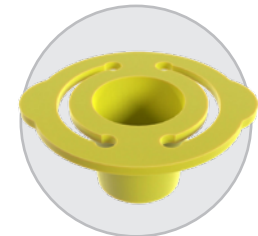
HIGH-TEMPERATURE FLANGELESS PLUGS



POLYIMIDE DISCS UP TO +260 °C



PULL TAB CAPS



CENTRE PULL TAB PLUG



THREADED PROTECTION PLUGS

KNOBS, PINS & LANYARDS



QUICK RELEASE PINS - RINGS



HEAVY DUTY LATCHES



QUARTER TURN LOCKS

LOCKS, LATCHES & HINGES

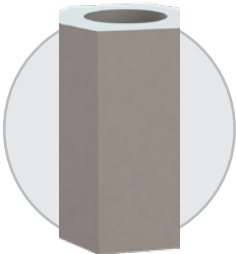
DRONES

Lightweight and efficient solutions for today's aerial systems. Our cable management, PCB hardware, and fasteners ensure signal integrity, reduce weight, and simplify assembly, without compromising performance or durability.

PCB HARDWARE



SNAP LOCK SUPPORT



HEXAGONAL UNTHREADED SPACERS

FASTENERS



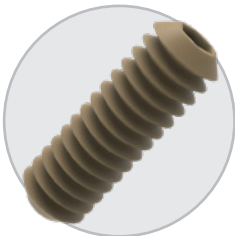
RETAINING WASHERS



UNSCREWING RIVETS



HEX NUTS - PLASTIC



SET SCREWS - PEEK



PUSH-IN RIVETS - SNAP

CABLE & WIRE MANAGEMENT



GROMMETS



UV-RESISTANT CABLE TIES



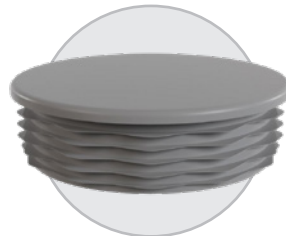
MINI WIRE SADDLE



PROTECTION



TAPERED FERRULE



STANDARD ROUND RIBBED INSERTS

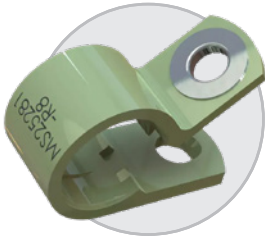


ROUND LOAD BEARING GLIDES

NAVIGATION

Reliable performance starts with protected, well-managed systems. Our components support signal clarity and secure assembly through advanced cable routing, vibration-resistant fasteners, and durable PCB hardware built for precision and reliability.

CABLE & WIRE MANAGEMENT



HEAVY-DUTY SUPPORT CLAMPS



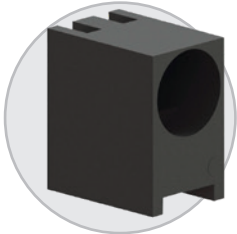
UV-RESISTANT CABLE TIES



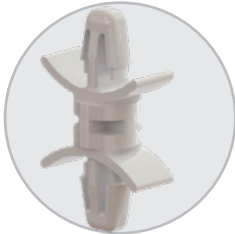
GROMMETS



PCB HARDWARE



LED MOUNTS



SNAP LOCK SUPPORT



LED MOUNTING HARDWARE



NATURAL NYLON FLAT WASHERS



UNSCREWING RIVETS



RETAINING WASHERS



KNOBS, PINS & LANYARDS



BALL AND TAPERED KNOBS

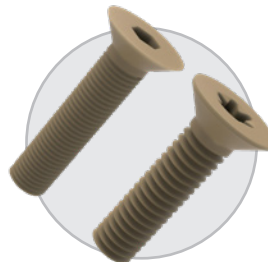
FASTENERS



MACHINE SCREWS



HEX NUTS - PLASTIC



COUNTERSUNK SCREWS - PEEK



PUSH-IN RIVETS - SNAP

YOU'LL HAVE WHAT YOU NEED WHEN
YOU NEED IT:



SPEAK TO ONE OF OUR EXPERTS ABOUT
YOUR APPLICATION REQUIREMENTS



PEEK®: HIGH-PERFORMANCE SOLUTIONS
FOR DEMANDING APPLICATIONS.

BENEFITS FOR DEFENCE:



• **EXTREME THERMAL STABILITY:** Withstand the punishing extremes of flight and operation, maintaining structural integrity up to 350°F (180°C). Ideal for high-temperature engine components, and thermal insulation.



• **SUPERIOR CHEMICAL RESISTANCE:** Resist harsh fuels, lubricants, and corrosive environments encountered in defence operations, ensuring long-term reliability.



• **ENHANCED DURABILITY & RELIABILITY:** Experience extended service life with PEEK's exceptional strength, stiffness, and wear resistance. Critical for reducing maintenance and downtime in demanding field operations.



• **WEIGHT OPTIMISATION:** Achieve significant weight reductions without compromising structural integrity. PEEK's lightweight properties are essential for improving fuel efficiency, payload capacity, and maneuverability.

• **UNWAVERING PERFORMANCE IN HARSH ENVIRONMENTS:** PEEK's low moisture absorption ensures consistent performance in high-pressure water, steam, and humid conditions, vital for naval and ground-based applications.

• **RADIATION RESISTANCE:** PEEK has very good radiation resistance, important for space and some DEFENCE applications.

WHY ESSENTRA?

**LOCAL
STOCK**

**FAST
DISPATCH**

**GLOBAL
REACH**

**OVER
50,000
PRODUCTS**

**ISO & IATF
ACCREDITED**

LET'S TALK

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FIND OUT MORE TODAY.

Ready to talk?

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