



Quick Guide

ESSENTIAL COMPONENTS FOR DEFENSE

essentracomponents.com

MAKING IT EASIER

WHEN EVERY COMPONENT MATTERS

We're Essentra Components, a global manufacturer and distributor of small yet essential components that play a critical role in the defense 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 defense contractors, and system integrators, delivering the highest standards of quality, service, and compliance. With 14 manufacturing facilities worldwide, we combine global reach with localized 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 customized, high-performance components for manufacturers of drones, armored vehicles, and search & detection systems. Whether you need robust cable management, fastening solutions, or specialized protection components, we have the expertise and infrastructure to support your most demanding applications.

IDEAL FOR:
DRONES
ARMORED VEHICLES
NAVIGATION &
INSTRUMENTATION

WE WORK TO THE
HIGHEST
INDUSTRY
STANDARDS
 WITH ISO
 ACCREDITATION



KEY CHALLENGES WE HELP SOLVE

In defense applications, even the smallest components can have a big impact on performance, durability, and safety. Essentra Components provides specialized 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.
- Optimized **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.

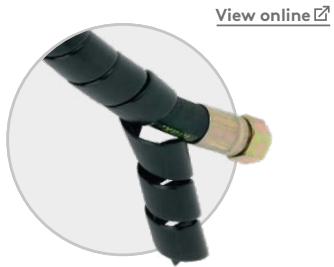
From drones to armored vehicles, we provide engineered solutions that enhance reliability, efficiency, and longevity.

ARMORED 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 armored vehicle systems.

HOSE PROTECTION

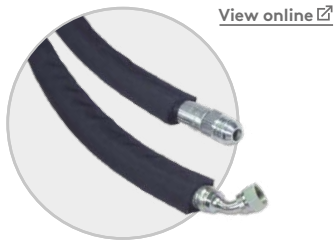
CABLE & WIRE MANAGEMENT



SPIRALGUARD® HOSE PROTECTORS



HEAVY-DUTY SUPPORT CLAMPS



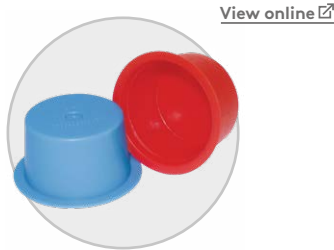
HOSE PROTECTION SLEEVES – TEXTILE



HOSE WEAR PROTECTORS



PROTECTION



TAPERED CAPS AND PLUGS



MASKING STRAIGHT CAPS



SEALING GASKETS



BLANKING PLUGS



SILICONE CAPS & PLUGS



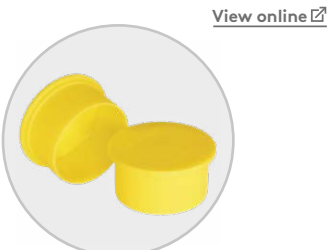
MASKING TAPES, HOOKS & BAGS



ROUND VINYL END CAPS



CIRCULAR CONNECTOR CAPS



PARALLEL PROTECTION PLUGS



ARMORED VEHICLES

LOCKS, LATCHES & HINGES


[View online](#)

HEAVY DUTY LATCHES


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LEAF HINGES


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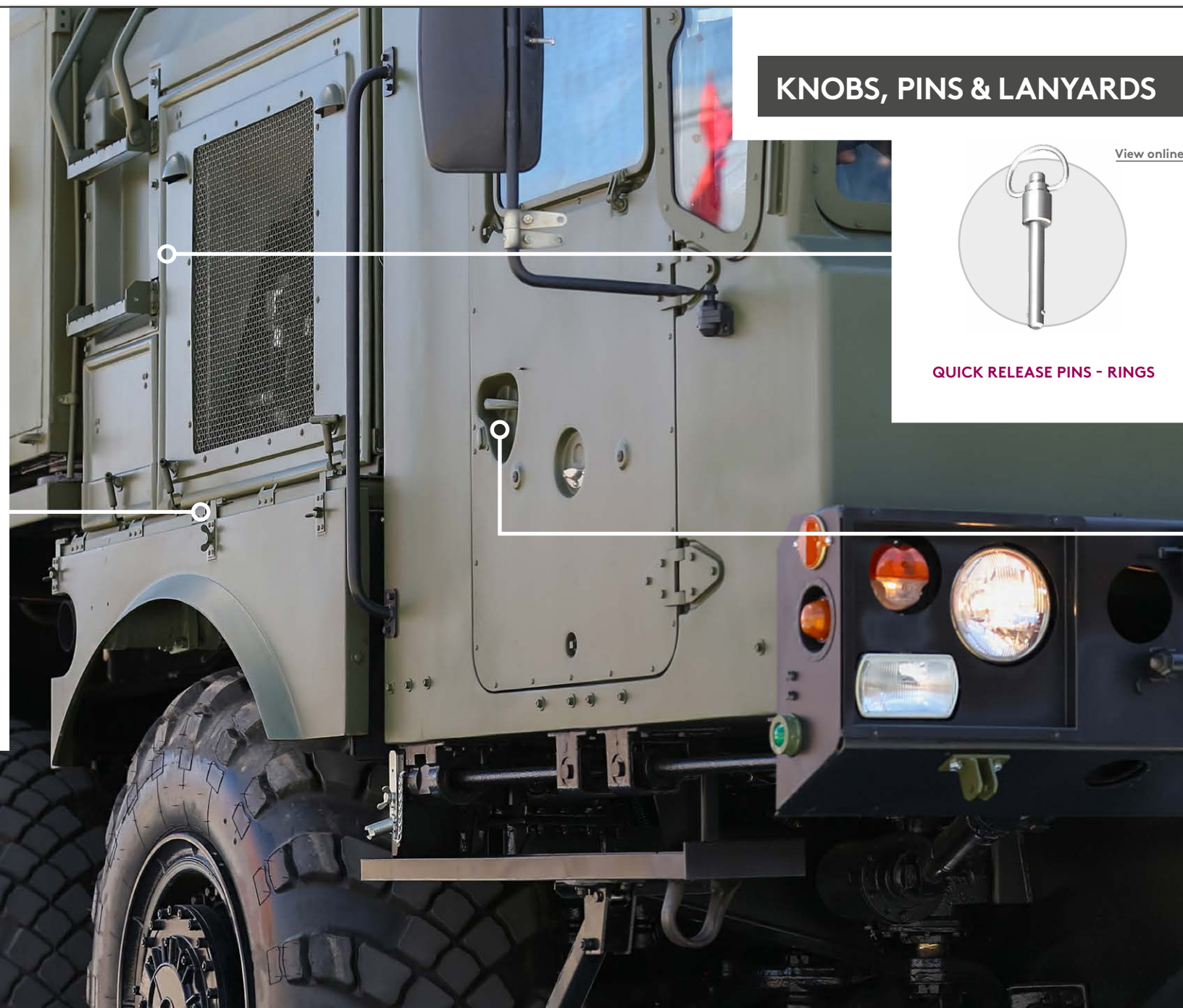
TORQUE/POSITION CONTROL HINGES


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QUARTER TURN LOCKS


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TOGGLE LATCHES



KNOBS, PINS & LANYARDS


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QUICK RELEASE PINS - RINGS

HANDLES


[View online](#)

MACHINE HANDLES


[View online](#)

RECESSED HANDLES


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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 50 years of manufacturing experience, we can customize our wide range of components for a variety of industries and applications.



3D PROTOTYPING LOCAL SERVICE & SUPPORT

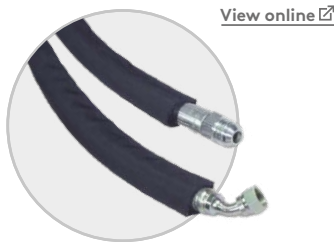
LAUNCHERS

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



SPIRALGUARD® HOSE PROTECTORS

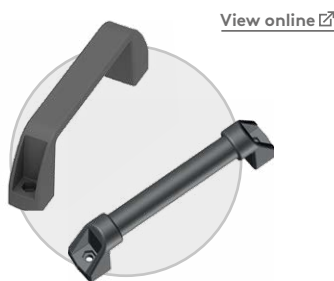


HOSE PROTECTION SLEEVES – TEXTILE



HOSE WEAR PROTECTORS

HANDLES



MACHINE HANDLES



ADJUSTABLE T HANDLES - FLUSH MOUNT

CABLE & WIRE MANAGEMENT



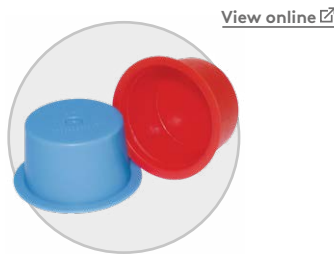
HEAVY-DUTY SUPPORT CLAMPS



LIQUID TIGHT GROMMETS



PROTECTION



TAPERED CAPS AND PLUGS



MASKING STRAIGHT CAPS



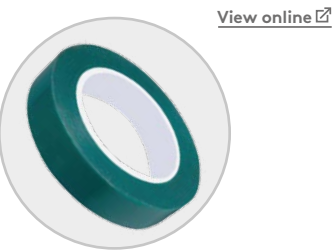
SEALING GASKETS



BLANKING PLUGS



SILICONE CAPS & PLUGS



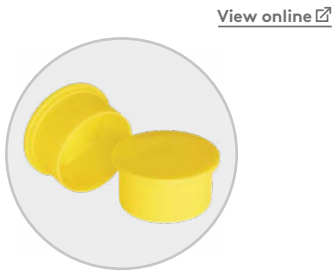
MASKING TAPES, HOOKS & BAGS



ROUND VINYL END CAPS

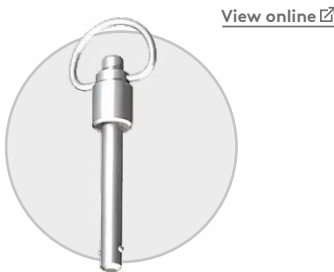


CIRCULAR CONNECTOR CAPS



PARALLEL PROTECTION PLUGS

KNOBS, PINS & LANYARDS



QUICK RELEASE PINS - RINGS



HEAVY DUTY LATCHES



QUARTER TURN LOCKS

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.

CABLE & WIRE MANAGEMENT



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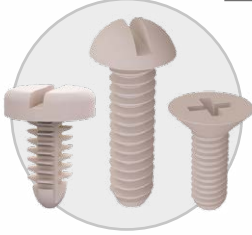
GROMMETS



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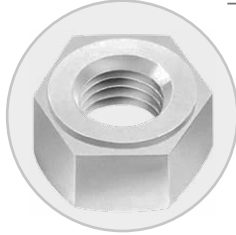
UV-RESISTANT CABLE TIES

FASTENERS



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MACHINE SCREWS



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HEX NUTS – PLASTIC



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EYE BOLTS - PLASTIC EYE BOLT



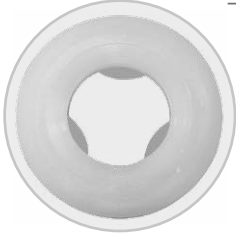
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PUSH-IN RIVETS – SNAP



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UNSCREWING RIVETS



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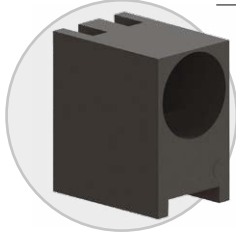
RETAINING WASHERS



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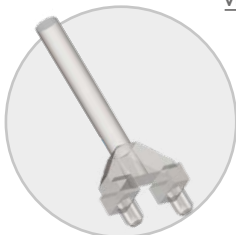
NATURAL NYLON FLAT WASHERS

PCB HARDWARE



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LED MOUNTS



[View online](#)

LED LIGHT PIPES



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LED MOUNTING HARDWARE



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



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HEAVY-DUTY SUPPORT CLAMPS



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UV-RESISTANT CABLE TIES

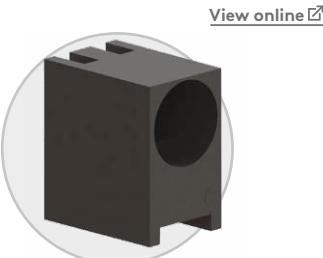


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GROMMETS

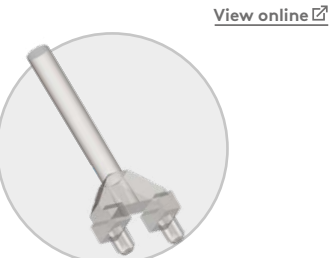


PCB HARDWARE



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LED MOUNTS



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LED LIGHT PIPES



[View online](#)

LED MOUNTING HARDWARE



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NATURAL NYLON FLAT WASHERS



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UNSCREWING RIVETS



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RETAINING WASHERS



KNOBS, PINS & LANYARDS



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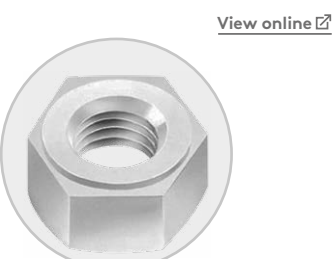
BALL AND TAPERED KNOBS

FASTENERS



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MACHINE SCREWS



[View online](#)

HEX NUTS - PLASTIC



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EYE BOLTS - PLASTIC EYE BOLT



[View online](#)

PUSH-IN RIVETS - SNAP

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

- Over 15,000 popular products ready for shipping
- Includes over 90% of our catalog caps & plugs



STOCK2SHIP
— By Essentra —

**SPEAK TO ONE OF OUR EXPERTS ABOUT
YOUR APPLICATION REQUIREMENTS**



PEEK®: HIGH-PERFORMANCE SOLUTIONS FOR DEMANDING APPLICATIONS.

BENEFITS FOR **DEFENSE**:



- **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.



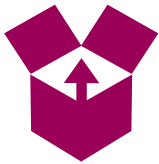
- **SUPERIOR CHEMICAL RESISTANCE:** Resist harsh fuels, lubricants, and corrosive environments encountered in defense operations, ensuring long-term reliability.



- **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 OPTIMIZATION:** 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.



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W Warehouse

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Flippin, AR	M	Houston, TX	W
Cartago, CR	M	Nisku, CA	W
Monterrey, MX	M W	Burlington, CA	W
Jaguariuna, BR	M W		



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