

**Robust and reliable –  
on land, in the air and at sea**

Cable management solutions for military applications



A male technician with a beard and safety glasses, wearing a blue jumpsuit and blue nitrile gloves, is focused on working on a complex engine. He is adjusting a component of the engine, which is surrounded by various pipes, hoses, and mechanical parts. The engine is mounted on a green metal structure, likely part of an aircraft. The background is slightly blurred, emphasizing the technician and the engine.

**Made for  
reliability.**

**MADE FOR REAL** 

## Defence industry standards



Details of all aerospace standards that relevant parts meet are published separately in our Aerospace Brochure. Please consult [www.HellermannTyton.com/Aerospace](http://www.HellermannTyton.com/Aerospace).

### Quality and service aligned to the needs of defence contractors

HellermannTyton is an expert in the design and manufacture of cable management accessories built into and around mission-critical wiring harnesses.

Our products enable technicians to reliably install, fix, insulate, identify, connect and protect electrical cables and network connectivity infrastructure.

No matter where your equipment is deployed, we design our products to withstand everything that will be thrown at them – like vibration, extremes of temperature and weather, fire, chemicals and salt water.

This brochure gives you a taste of the broad range of accessories and services we supply in Europe. Our supply chain is global and we have a strong manufacturing and sales presence in all regions.

Visit [www.HellermannTyton.com/defence](http://www.HellermannTyton.com/defence) for an overview of all parts in our defence industry portfolio.



**Made for  
land.**

**MADE FOR REAL** 

## Cable management solutions for defence equipment in specialist utility vehicles.

HellermannTyton products offer functional and cost benefits for electrical and electronic applications in all-terrain vehicles. The following pages give you an overview of fixing, insulation and protection products from our standard portfolio.

We also design, manufacture and supply bespoke components or complete cable management solutions for harnesses in wheeled and tracked vehicles.



Moulded shapes in our Helashrink Series provide strain relief and environmental sealing for harness systems when used in conjunction with a circular grooved adaptor.



The Ratchet P-Clamp's patent-pending design makes it extremely versatile for managing wire harnesses and cables. Its rugged construction and specialised materials are perfect for heavy duty applications, indoors and outdoors.



Viton®-E high-performance heat shrink tubing is resistant to fuels and lubricants. It offers reliable protection, especially at high temperatures, such as in the engine compartment.



TULT DS is a UL-recognised 3:1 heat shrink marker. Made from polyolefin compound, TULT DS delivers good mechanical strength and resistance to organic solvents and chemicals. It is supplied in a convenient pre-cut „ladder“ format suitable for double-sided printing.

# Made for air.

MADE FOR REAL<sup>®</sup>



## Cable management for fixed-wing and rotary aircraft in defence roles.

HellermannTyton has excellent long-standing relationships with the European aerospace industry. Many of the wiring harness accessories on the following pages are listed by manufacturers for use in their aircraft.

We specialise in lightweight fastening solutions and fixing components manufactured from high performance thermoplastics that deliver exceptional heat resistance.

All aerospace standards met by these items are published separately in our Aerospace Brochure. Please consult [www.HellermannTyton.com/Aerospace](http://www.HellermannTyton.com/Aerospace) for details.



High-quality lacing cord tapes are predominantly used to bundle harnesses safely in aerospace applications. They are available in a wide variety of shapes, sizes, materials and coatings and are manufactured to meet the most demanding industry specifications.



Conventional P-Clamps are ideal for permanent fixation of pipe and cable bundles. Aluminium withstands the most challenging environments. Chloroprene inserts counter vibration, reduce noise and provide electrical insulation. P-Clamps are also available in plastic material.



Flexiform edge protection protects cables and wires routed through sharp-edged cut-out sections. Flexiform is easily applied and secured without adhesive.



PEEK cable ties withstand temperatures from  $-55^{\circ}\text{C}$  up to  $+240^{\circ}\text{C}$ . They are resistant to gamma radiation and chemicals - even acids. The tie is outside-serrated and the head geometry optimised to minimise the risk of any damage to cable insulation.



Made for sea.

MADE FOR REAL<sup>®</sup>

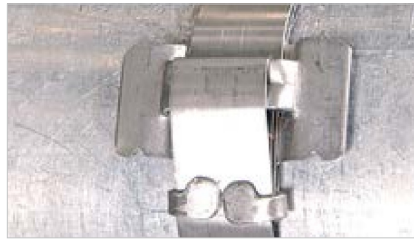


## Cable management for vessels and equipment in marine environments.

HellermannTyton offers cable accessories specifically designed for use on equipment operating in marine environments.

Our products have been tried and tested on a range of surface and submarine vessels. They are resistant to salt water corrosion and vibration.

We can also offer you bespoke parts that help overcome your engineering challenges around the cable management of marine equipment.



The AMT stainless steel tie is designed for heavy duty applications. The folding mechanism ensures that the tie will not become loose under vibration. AMT is the ideal choice in all safety relevant areas where vibration is normal.



Liquid-tight LTS conduits, combined with LTS fittings, provide IP68 and IP69k ingress protection. LTS conduits deliver exceptionally high compression, tensile and impact strength. The smooth outer cover is resistant to liquid fuel, oils and grease.



M-BOSS Compact markers are designed to remain legible even under extreme conditions. The stainless steel withstands abrasive cleaning and the embossed information remains clearly visible even after paint, grease and dirt are removed mechanically with wire brushes or pressure washers.



The HDT16 application tool is designed for installing heavy duty stainless steel cable ties. The two-way nose piece can be adjusted so that MBT, MLT and AMT cable ties with a strap width of up to 16 mm can be easily applied. The integrated cutting mechanism delivers a flush, safe cut every time.



Made for  
signals.

MADE FOR REAL<sup>®</sup>



## Cable management for electronic equipment and connectivity.

Decades of experience working to defence industry requirements means that you can trust HellermannTyton components to do the job you expect of them. We understand exactly how mission-critical the secure fastening, fixing, insulation, protection and identification of the wiring of signals and communications equipment in mobile operations and challenging environments is. The following products are from our core portfolio. We can also support your refurbishment and upgrade requirements with bespoke component development.



VG-approved, Helagaine HEGEMIP-VG metal braided sleeving is designed for defence industry applications. The flexible and expandable sleeve ensures excellent electromagnetic protection and provides very good abrasion resistance.



Helashink 313C Series moulded shapes provide strain relief and excellent environmental sealing when lined with adhesive. The convoluted design is flexible to accommodate different outlet angles.



CTAM cable tie mounts are suitable for applications with minimal space. They are mounted onto equipment prior to cable installation. The CTAM has a 4-way entry design and can be used either in line or at 90 degrees to the cable run.



Thin-walled heat shrink tubing is used extensively for electrical and mechanical protection. This high-performance polyolefin tubing shrinks fast and is a popular choice for sleeve marking and wiring circuit identification.

Wherever you are, we are never far away from your build, maintenance or refurbishment projects.

Visit [www.HellermannTyton.com/defence](http://www.HellermannTyton.com/defence) for an overview of all parts in our defence industry portfolio.

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