

Aerospace Industry

You turn the dream of flying into reality.  
We accompany you along the way.

*HellermannTyton – Competence  
for the aerospace industry*


**HellermannTyton**



**From the flights of the Wright brothers to the present day, aeroplanes have changed dramatically. Technical advances have enabled us to fly further and higher with increasingly large aircraft. Of course this has also increased the requirements placed on the material, performance, lifespan, safety and quality of every single component.**

With HellermannTyton you have the right specialist at your side. Whether for cable bundling and fastening systems or for cable protection and identification solutions, our components for use in the aerospace industry are **certified according to current aerospace standards.**

In order to constantly reach and maintain this high level, we place great emphasis on keeping up a **continuous interaction**



You are reinventing aerospace every day.  
We are at your side.

*Our industry expertise*



with our customers. We have been working closely with the aerospace industry in this way for over 40 years. The result: products that are tailored exactly to the requirements in aircraft construction. **New innovations** for your **individual demands**.

When it comes to development skills HellermannTyton demonstrates close concentration through the globe. Our international sales network means that you will always find **constant contact**

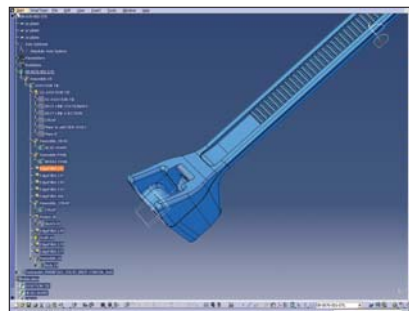
**with one another.** Our expert teams are **in touch worldwide** to conceive and build product solutions to customer specifications or our market analysis.

Let's add a few new chapters to the history of aviation together.





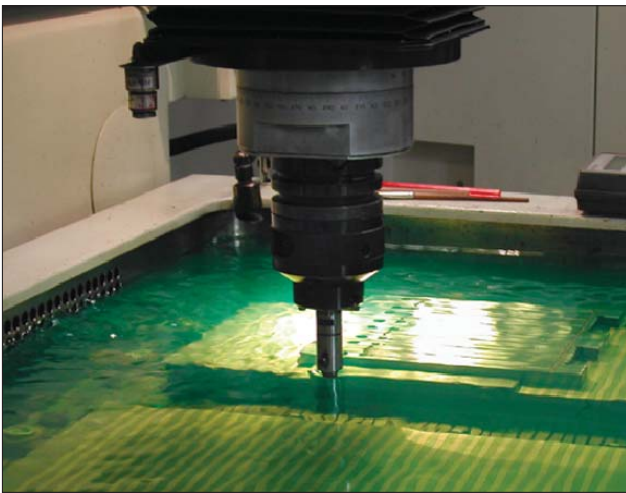
There is hardly any mode of transport that is subjected to such extreme demands like an aeroplane. With thousands of operating hours, heat, cold, temperature fluctuations and high mechanical stress, it is reassuring to know that HellermannTyton components have been equal to these demands for over 40 years.



*New development: cable ties in the application field of the air conditioning ducts.*

You are always increasing your expertise.  
We are right there with you.

*Our quality awareness*



*Innovative strength that pays off for our customers: our in-house tool and mould construction.*



*Quality assurance is a top priority at HellermannTyton: material testing in our laboratory facilities.*

To get an aircraft into the air safely and back down on the ground, every last detail counts.

A great many individually designed components are needed, ideally adapted to their different application fields – from the cockpit and cabin through to the engines and empennage. In this respect, every single part must prove its **long-term reliability**.

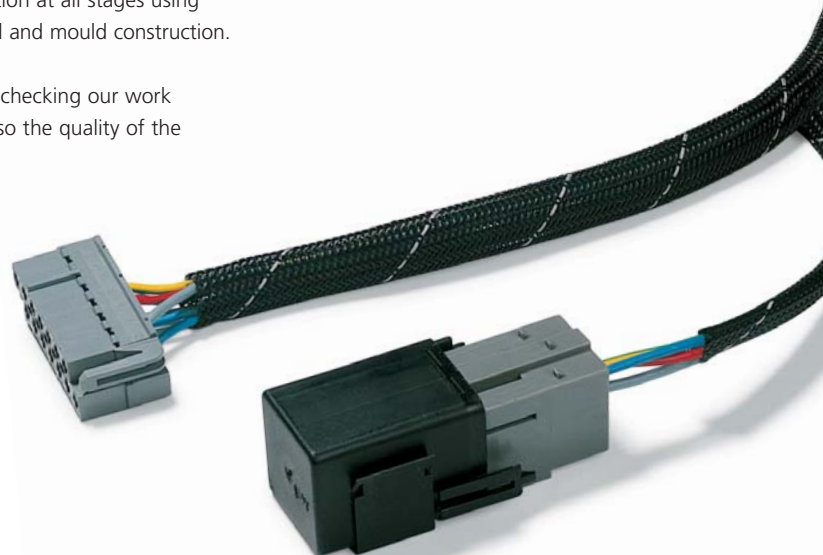
In addition to this are other criteria which are crucial for use in the aerospace industry: the products must be **light yet sturdy**, withstand the highest mechanical loads and display **space-saving** capabilities.

In order to achieve these results, three factors are significant:

1. The exclusive use of high quality raw materials which satisfy your and our requirements.
2. Precision fabrication at all stages using our in-house tool and mould construction.
3. Strict criteria for checking our work processes and also the quality of the range.

Our products are therefore distinguished by their extreme stability, durability, resilience, resistance to heat and cold, weight-saving properties, shock resistance, fire safety and resistance to UV and weathering.

Now, and for the future.

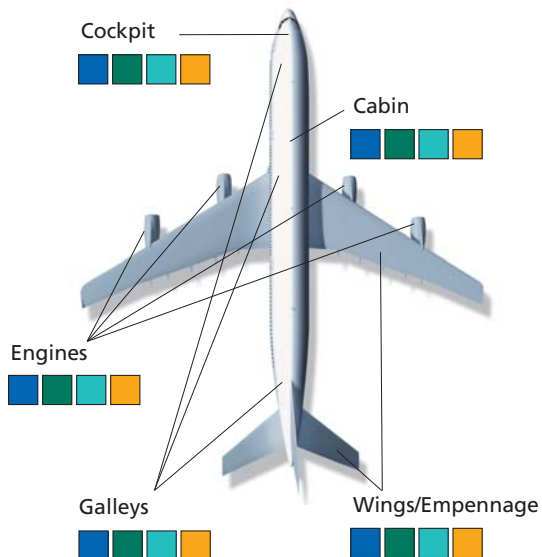






**Always find the right item! The HellermannTyton main catalogue.**

50,000 items – hence 50,000 perfect solutions for your cable management. You can quickly find out whether the right one is there for you thanks to our colour-coded divisions, self-explanatory symbols and a fold-out summary.



- Cable ties and fastening systems
- Heat-shrink products
- Cable protection
- Identification systems

You need the right solution.  
We will provide it.

## Our product range

From cable bundling and cable protection through to identification: HellermannTyton offers you the ideal solution for use in your aeroplanes – either from our existing range or as a customised development.

In this respect we follow the maxim 'Close to the Customer!' Be it through personal contact when designing a new, specific component tailored to your needs, or through our close-knit sales network made up of **branches all over the world.**

You benefit from the simple and **immediate availability** of our products, **fast response and delivery times** and a consistently high level of service.

What pays dividends for you over and above this: you get all your components from a single source and can therefore not only reduce the number of your suppliers but also your purchasing costs.

### Cable ties and fastening systems



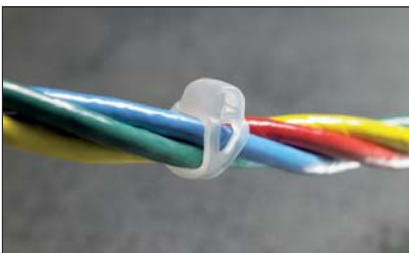
The **cable ties** in the **T-Series** allow cables to be easily bundled and secured in applications with high demands on weathering and UV resistance, heat stability or fire protection.



For flush fitting around solid cylindrical installations – e.g. air conditioning ducts, water hoses and vacuum lines – with a retention force of up to 660 N, the **cable ties** in the **CTT-Series** are ideal.



The rustproof **MBT stainless steel ties** are distinguished by resistance to high temperatures and chemical influences. The non-releasable patented cable end with ball bearing lock is also permanently durable.



Thanks to the lenticular shape of the 90° angled head, the outside serrated **cable ties** in the **V-Series** provide a small overall bundle diameter and protect the insulation on parallel routed cables.



For applications in high temperature environments up to 240°C, the **PEEK Ties** have proved their worth. They are also extremely resistant to acids and radiation. The system solution is complemented by a pawl and screw base.



The outside serrated **cable ties** in the **OS-Series** are best suited for sensitive cable bundles – designed for high temperatures and increased fire protection requirements.



## Cable ties and fastening systems



The **HP fastening clips** are light, reliable, resilient and temperature resistant. Ideal prerequisites for fastening cables and pipes and as a means of strain relief.

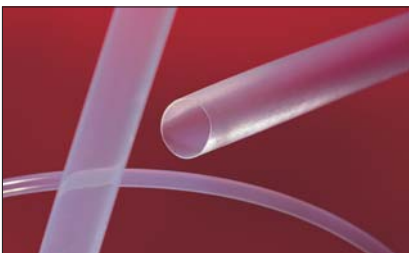


The **DSW connecting elements** can be rotated through 360° allowing wires, tubing or cable bundles to be exactly aligned at any angle to each other whilst keeping them apart.



Specified according to current standards, the high-quality **lacing cords and tapes** excel by being low in weight, taking up little space, displaying a high retention force and not damaging cable insulation.

## Heat-shrink products



**Heat shrinkable tubing** – Versatility for every application: different materials, thicknesses, shrink ratios, diameters, lengths and features for perfect cable insulation, repair and marking.



For numerous applications there are already over 5,000 **heat shrinkable moulded shapes** – including straight and right-angled plug-in connector end bells, multi-pronged splitters as well as end and spreader caps.



The **rubber tubing and grommets** are available in chloroprene, silicone or PTFE – depending on elongation, insulating properties, temperature resistance and protection against mechanical or chemical loads.





Our product range

Cable protection



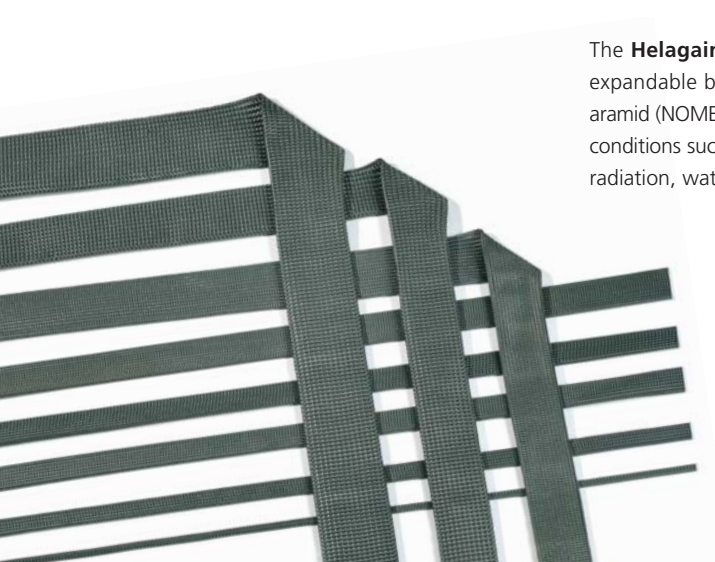
Handy bundling, mechanical protection and more: the **SPBAV0 spiral binding** are not only easily removed and reused, but they also meet fire protection class UL94 V0.



The flexible **CCT conduits** made of PTFE with NSA935805 approval protect cables against temperatures of -60°C up to +260°C as well as from moisture, corrosion, vibration, abrasion and chemical influences.



The close-fitting profile of **Flexiform edge protection grommet strip** provides clean and mechanically safe protection of cables and wires on panel edges. Also available in PTFE for temperatures up to +260°C.



The **Helagaine HEGMAN/HEGMANWO** expandable braided sleeves made of meta-aramid (NOMEX®) withstand the most extreme conditions such as high temperatures, abrasion, radiation, water and oil.



Our product range



Identification systems



**TIPTAG identification tags** for thermal transfer printing are particularly suitable for marking larger cable bundles, especially those under permanent loads exposed to harsh weather conditions.



Using the professional HellermarkTyton labelling system, **customised nameplate labels** can be created in various label sizes and materials for nearly all control cabinets.



From the **TrakMark DS** for printing on both sides, the **TT430** for small and medium print volumes, through to the **TT4000+** premium model, **thermal transfer printers** are the ideal appliances for identification purposes.



**Self-laminating labels** for all conventional printing systems are pre-destined for use under extreme conditions. The protective laminate protects the inscription from external influences.



**TULT DS** is a 3:1 heatshrink material pre-cut and formatted onto a convenient 'ladder' system that allows printing on both sides of the marker. The user can easily choose and pick the required marker.



The thin-walled, halogen-free **TLFX** identification tubing with a 2:1 shrink ratio is suitable in case of fire, particularly in safety areas with fire prevention regulations due to its low emission of smoke fumes and gases.



You expect the highest standards.  
We have the corresponding certificates.

As unlimited as the freedom above the clouds may be, the specifications and standards for the aerospace industry are equally rigid, which is good because safety takes top priority for you and for us. Our products are therefore constantly tested in accordance with the latest national and European standards. Certified quality for your security and for the certainty of always working at the highest technical level.



prEN 4056



ISO 9001

ISO 14001

EN 6049

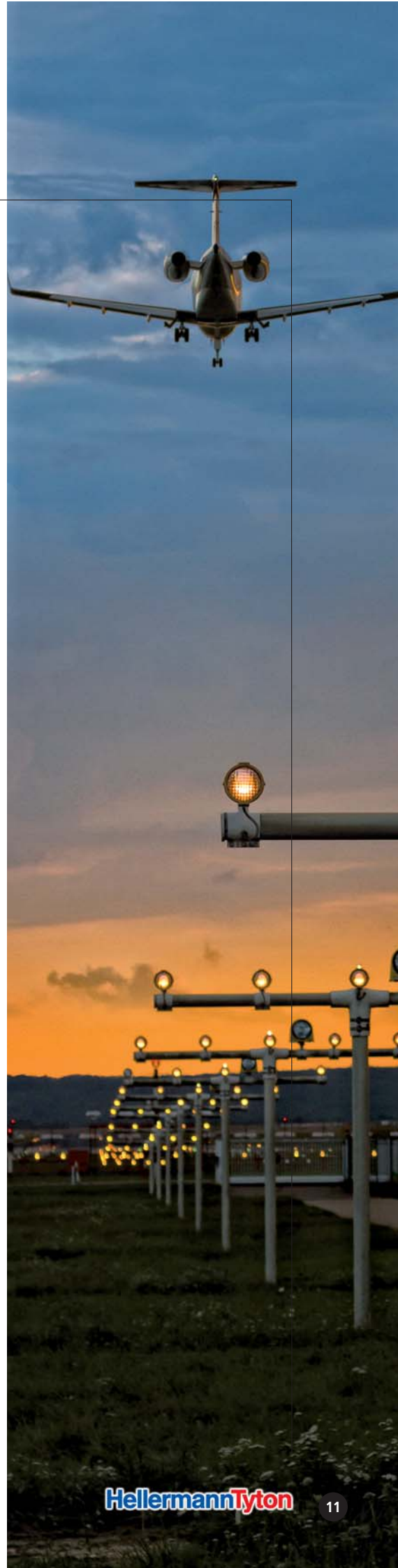
EN 9100

TS 16949

If you have any questions about a particular application or would you like more information, we are at your disposal – with all our experience and almost unlimited technical capabilities.

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## We are there where you need us.

Our extensive network of personnel ensures that we are there for you worldwide. When it comes to sales and service, you can rely on us for speedy solutions, quick response times and ultimate reliability.

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