

## Smarter fastening for fluid routing with Autotool system solutions

MADE FOR REAL 

### We enable fluid routing efficiency

Fluid-carrying pipes and hoses in vehicles must be fastened securely while meeting strict requirements – including thermal, chemical and UV resistance, as well as impact protection and noise vibration damping.

Modern fluid routing management demands components that are robust yet lightweight, scalable and easy to install.

As a collaborative partner to OEMs and first tier suppliers, HellermannTyton supports your platform needs with inventive fluid routing parts and processes that boost process efficiency and meet the highest technical expectations.

Our expertise includes:

- **Automation:** Performance: high-quality parts engineered for reliability and ease of use advanced tool system solutions for consistent, efficient fastening
- **Service:** reliable uptime and smooth integration support
- **Sustainability:** materials and methods that reduce waste and energy
- **Partnership:** trusted collaboration in a localised supply chain

### Engineering to help your progress

At HellermannTyton, our R&D, prototyping and automation teams develop solutions for complex fluid line configurations and project challenges. With state-of-the-art platforms (CATIA V5, Siemens NX, Creo), we accelerate your development cycles and optimise designs through in-house tool trials and mould development.

Ready to automate your fluid routing assemblies?  
Partner with HellermannTyton to scale assembly efficiency.





## Unlocking automation for faster, safer fluid routing

HellermannTyton's ATS flex and CPK hybrid tool systems apply ties and fasteners to fluid lines with great speed, accuracy and consistency. Integrated into automated processes, or used semi-automatically and flexibly with cordless units, they offer multiple benefits.

### Why choose Autotool systems for fluid routing?

- **Acceleration:** assembly time cut by up to 70% (e.g. 2.4 sec vs. 8 sec manually)
- **Consistency:** repeatable, monitored application (with PPM data and force control)
- **Safety:** protects hoses from overtightening and operators from strain
- **Footprint:** compact systems free up floor space and reduce material waste

HellermannTyton provides end-to-end support – from concept to commissioning – and ensures your automation system integrates smoothly with external components.

**Fast:** more efficient than manual work

**Precise:** configured to your needs

**Reliable:** no risk from overtightening



ATS flex	System	CPK hybrid
Electrical power supply	<b>Operation</b>	Electrical: power supply / Battery
1,1 – 2,4 sec	<b>Cycle time</b>	0,65 – 1 sec
From 1 mm to 100 mm	<b>Bundle diameter</b>	From 0,7 mm to 20 mm
225 N	<b>Tensile strength</b>	80 N
4,5 mm	<b>Strap width</b>	2,5 mm
PA66HIRHSUV, PA66HSUV	<b>Tie material</b>	PA66HS, PA66HSW, PA66V0, PA46
Yes	<b>Robotic application</b>	Yes
No	<b>CPK</b>	Yes
Mechanical	<b>Tension control</b>	Digital

Contact us to discuss automated fastening for your fluid routing applications.