













High performance Assembly friendly Space efficient



Thermal Management Systems

Today's thermal management systems are becoming increasingly complex, requiring high performing connections that are space efficient, reliably installed and monitored. Oetiker's complete portfolio of mission-critical connections provides trusted, leak-free solutions that meet even the most stringent performance and assembly requirements.

As a trusted, long-term supplier, customers count on Oetiker to provide peace of mind for a wide range of proven automotive connections. Pioneering reliable fastening components for over 75 years, we design, test and deliver high quality connecting and assembly solutions that are simpler, smarter and stronger than ever before.

Global Customer Support

For all Phases of Development

Advanced Engineering

Consultative engineering

Dedicated localized support

Rapid prototyping and machining

CAD modeling & 3D printing

Early Development

Technical design analysis
Custom-build solutions
Tailor-made prototypes
Functional testing

Systems Integration

Advanced testing & validation
Assembly solution engineering
Tailored assembly tools
Pre-production support

Production

Global quality assurance
Worldwide production
On-site technical support
Commissioning & maintenance

Support & Maintenance

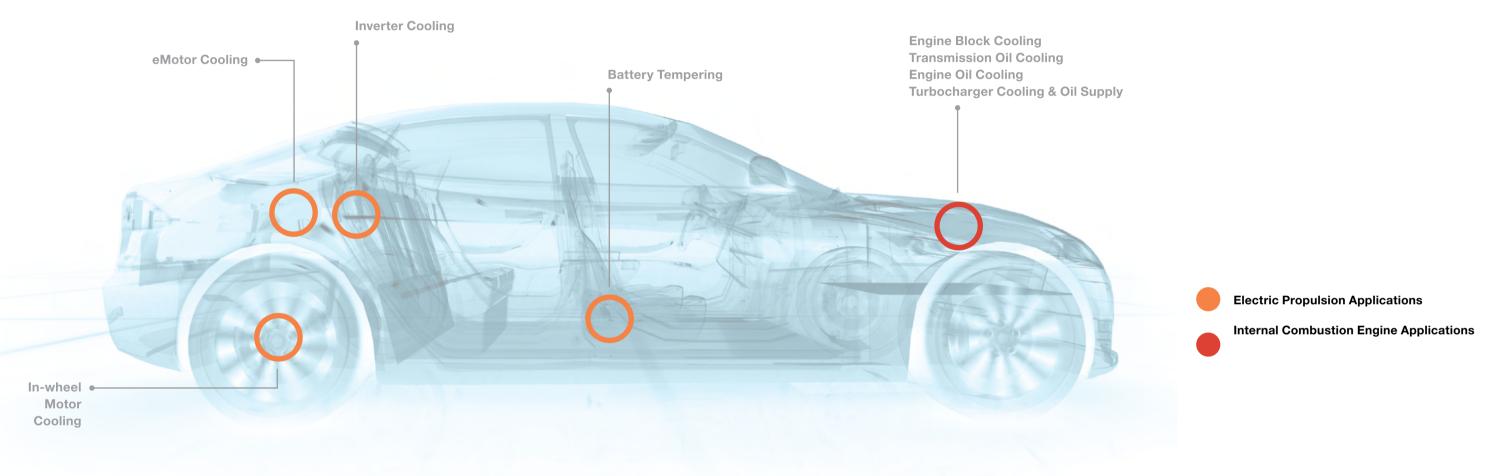
Tool training and assistance
Assembly validation
Maintenance and calibration
Tool and software upgrades

Tailored solutions

Engineered for reliability

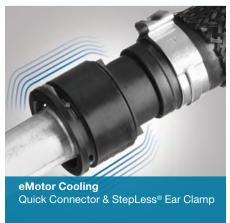


Our quality is confirmed on more than 90 million vehicles annually and featured on virtually every vehicle manufactured globally.







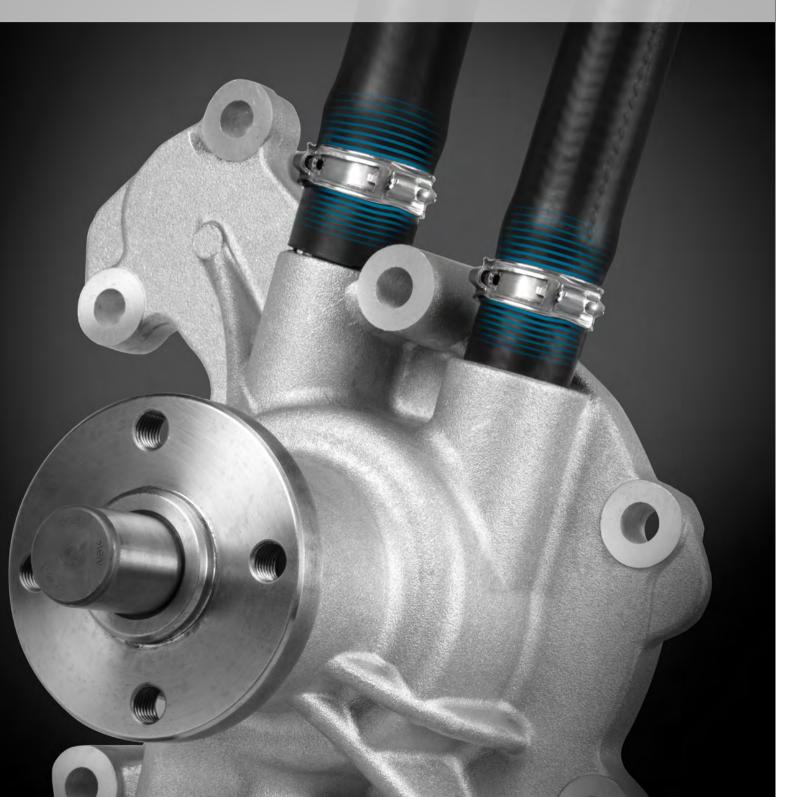






GLOBAL FOOTPRINT AND LONG-TERM COMMITMENT

With 13 manufacturing facilities worldwide producing more than 2 billion connections per year in over 30 countries, Oetiker is the trusted, global, long-term partner of the world's leading OEMs.



COOLING & HEATING CONNECTIONS



Multi Crimp Rings 250 & 150

Stainless steel 5.0 - 120.5 mm

Full material cross-section over 360° for constant pressure applied uniformly around the circumference offers leak-free sealing with low assembled height.



Reusable Low Profile Clamps

Stainless steel

22.5 - 41.0 mm

Provides a 360° leak-free seal. Can be repeatedly opened and re-installed. Novel tensioning hook design provides fast and reliable high-volume assembly with monitored tools.

Curled edges provides reduced risk of damage to parts being clamped and improved ergonomics during assembly.



StepLess® Ear Clamps 193 & 167

Stainless steel 6.5 - 120.5 mm*

Provides a 360° leak-free seal. Lightweight, strong, tamper-resistant design. Offers high radial loads and compensates for component tolerances.

*6.5 - 18.0 mm sizes available in the StepLess® Ear Clamp 167 design.



StepLess® Screw Clamps 178

Stainless steel 18.0 - 255.0 mm

Can be adjusted to several diameters and features a 360° leak-proof seal. Also available in Self-Tensioning. Reusable.



StepLess[®] Low Profile Clamps 192

Stainless steel 19.5 – 120.5 mm

compensation elements to allow for variations in component tolerances. Includes 360° leak-proof seal.

Low profile design includes tolerance

Please contact an Oetiker representative for a complete range of product options.

COOLING & HEATING CONNECTIONS



Quick Connectors 201 & 210

201 Coated steel 210 Aluminum

Tube size range: 8.0 – 25.4 mm

One piece machined body is lightweight and ideal for compact spaces. Controlled axial clearance prevents micro leakage. Minimum pressure drop ensures optimum flow.



Quick Connector Customization

Quick connectors can be customized in a variety of ways. Additional accessories also available.

Customization: Material Coatings Seals Valves

Accessories: **Assurance Caps** Shipping Plugs Disconnect Tools

Application interfaces

LAUNCHING IN 2022



Ultra-compact Polymer Quick Connector

Our newly engineered ultra-compact polymer quick connector uses half of the space of competing solutions. EV Design Engineers can now build the biggest ideas in the tightest spaces.

Contact Oetiker for more information.

QUICK CONNECTOR ACCESSORIES



Assurance Caps

Provides assembler with the means to identify an incomplete connection. By placing the optional assurance cap on the tube, it cannot be slid over the retainer in the event of a partial connection.

Default: up to 85°C (black or grey) High temperature: up to 230°C (white)



Disconnect Tools

Size - 3/8", 1/2", 5/8", 3/4"



Shipping Plugs

Size - 1/4", 3/8", 1/2", 5/8", 3/4"



Connection Verification Aids

Provides reliable process monitoring for Oetiker Quick Connectors in a space-efficient system, at vehicle point of assembly.



Locking Assurance Caps For 201 & 210 Quick Connectors

Serves as a device to provide 100% confidence the tube is fully seated into the quick connector and features a durable secondary latch.

Please contact an Oetiker representative for a complete range of product options.

PEACE OF MIND FROM RELIABLE CONNECTIONS

Assembly tool and maintenance support are managed through dedicated in-house service teams, ensuring cooling & heating connections are installed properly every time during production.



ASSEMBLY TOOLS



Swaging Tools

For high-volume installation of Multi Crimp Rings.



Available interlocking swaging segments guarantee uninterrupted 360° compression

Fully reliable assembly process

Electronic process data tracking capability



Pneumatic Pincers

For high-volume assembly of Ear Clamps and Low Profile Clamps.

Highly efficient

Process reliable

Closure verification

Ergonomic pistol grip (optional)





Hand Installation Tools



For assembly of Ear Clamps, Low Profile Clamps, Multi Crimp Rings (MCR)

Flexible cordless design

Process reliable

Closure verification

Ergonomic design



Manual Assembly Tools for installation

of Oetiker products.

Quick and easy installation

Exponential gain of mechanical advantage

Secure grip and comfort

Reduced fatigue and risk of repetitive injury



Please contact an Oetiker representative for a complete range of product options.

360° solution approach

Drives innovation

Oetiker helps customers drive innovation through all phases of development by utilizing our 360° solution approach. Pioneering reliable fastening components for over 75 years, we design, test and deliver high quality connecting and assembly solutions that are simpler, smarter and stronger than ever before.

