

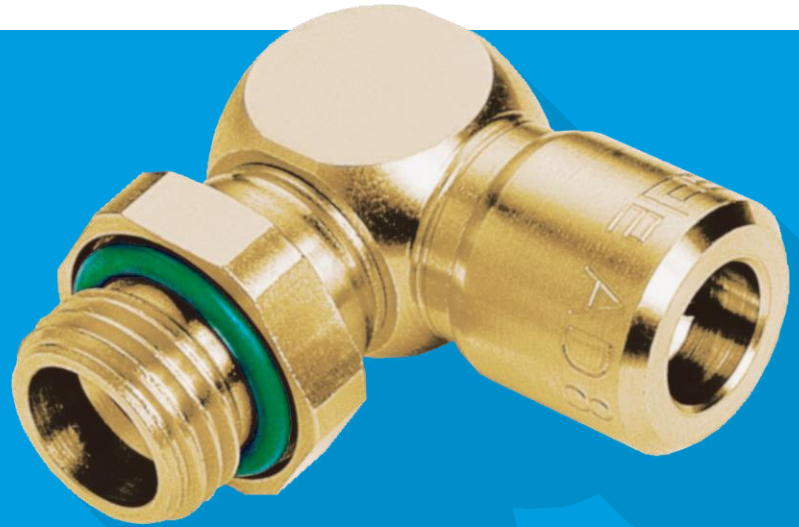
ONE STEP AHEAD

ANSCHLUSSTECHNIK VON

Eisele.EU

LIQUIDLINE

Cooling water connections



**EFFICIENT CORROSION
PROTECTION**

**FLOW-
OPTIMISED**

**COMPATIBLE
MATERIALS**



For welding
technology, robotics
and power
electronics

FLOW OPTIMISATION

To guarantee the necessary heat dissipation in cooling water applications all connections of the Eisele LIQUIDLINE have been flow optimised. This reliably prevents overheating and minimises flow losses and the resulting decrease in energy efficiency. Efficient special versions are available for very high flow rates.



EFFICIENT CORROSION PROTECTION

The LIQUIDLINE connectors are nickel-free. All media-contacting parts are made of dezincification resistant brass. Viton seals can withstand higher temperatures as well as many aggressive substances used in industrial environments. For applications with aluminium coolers Eisele also manufactures the LIQUIDLINE of seawater resistant aluminium.



COMPATIBLE HOSES

A flexible and reliable connection solution also requires the right hose for the connection and the application. Eisele provides compatible hoses for the LIQUIDLINE that are made of different materials to withstand harsh conditions such as those in welding applications, exposure to chemicals or extreme temperatures.



ADVANTAGES OF LIQUIDLINE

- Fast connection and disconnection without tools
- Frequent mounting and removal possible
- Adaptation of hose is not necessary
- Minimum installation space and maximum flow in hose
- Optimal material quality
- Easy to clean, durable and robust
- Very high flexibility



Serien der LIQUIDLINE

SERIES 4500

Plug connectors of stainless steel with full through flow



SERIES 4600

Plug connectors of stainless steel with release sleeve and 1 seal



SERIES 2600

Release sleeve and 1 seal



SERIES 2400

Release sleeve and 1 seal



SERIES 2500

Threaded fittings with full diameter



SERIES 5500

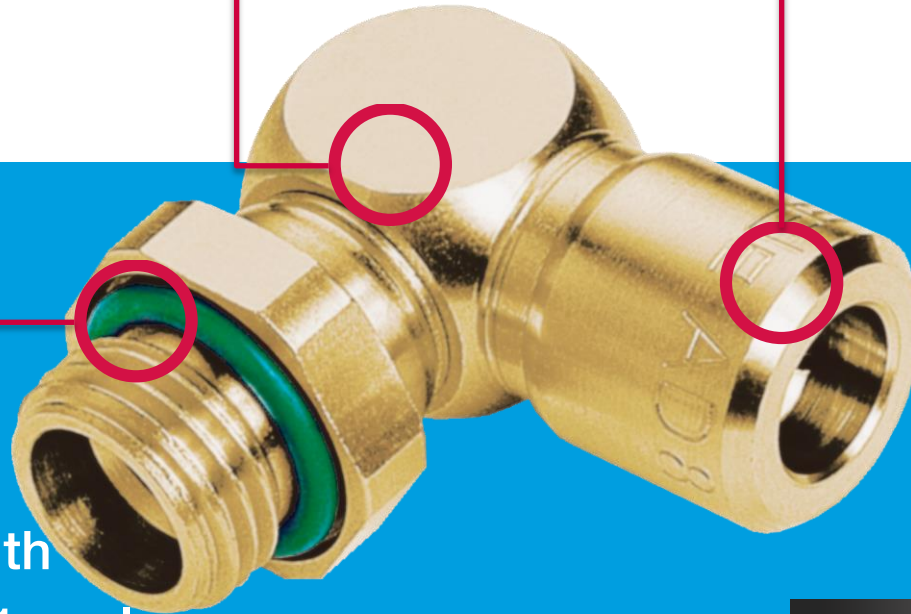
Threaded fittings of aluminium with full diameter



High
reliability

Low
total costs

Advanced
connecting technology



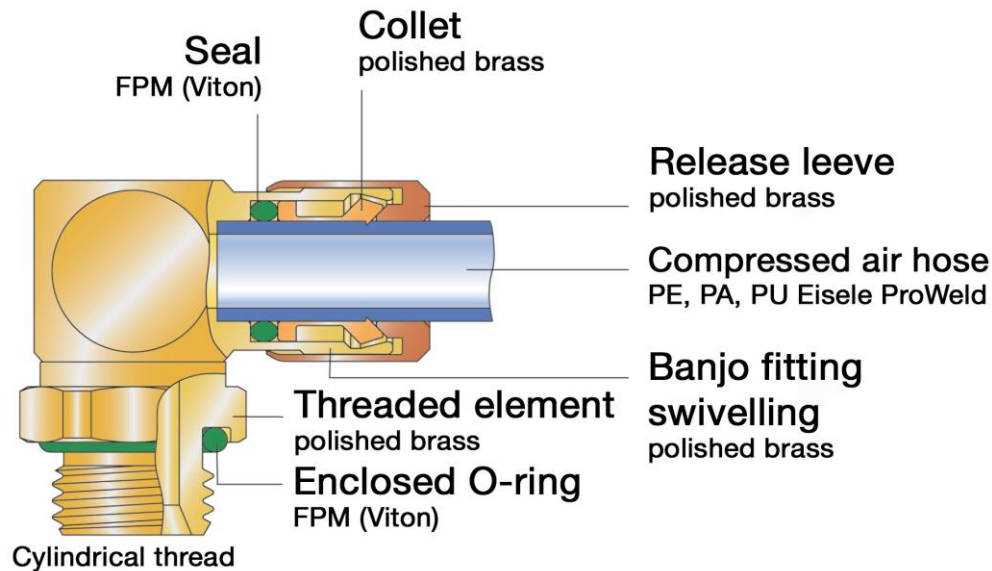
SERIES 2600

Threaded fittings with
release sleeve and 1 seal



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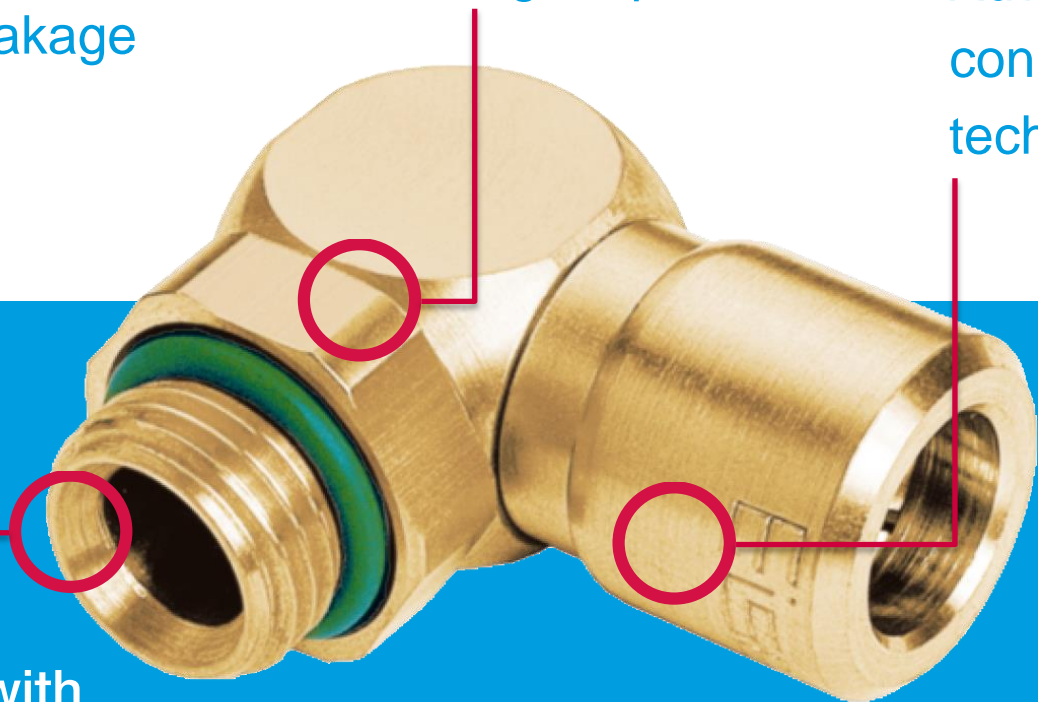
Functional principle SERIES 2600



Maximum protection
against leakage

Optimal for
higher pressures

Advanced
connecting
technology



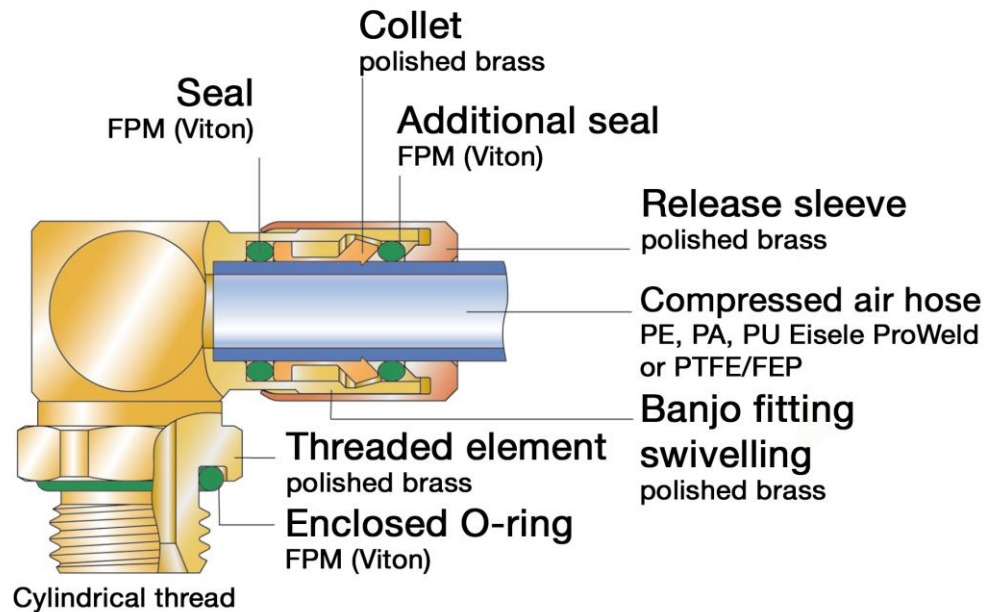
SERIES 2400

Threaded fittings with
release sleeve and 2 seals



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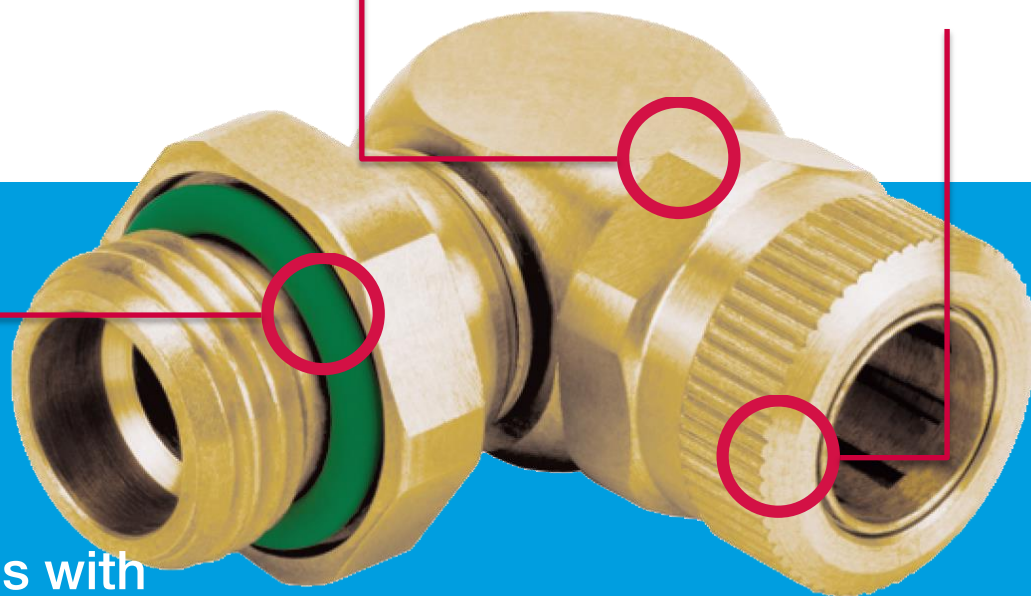
Functional principle SERIES 2400



Outstanding
stability

Intuitive operation
and assembly

Classic
threaded connection

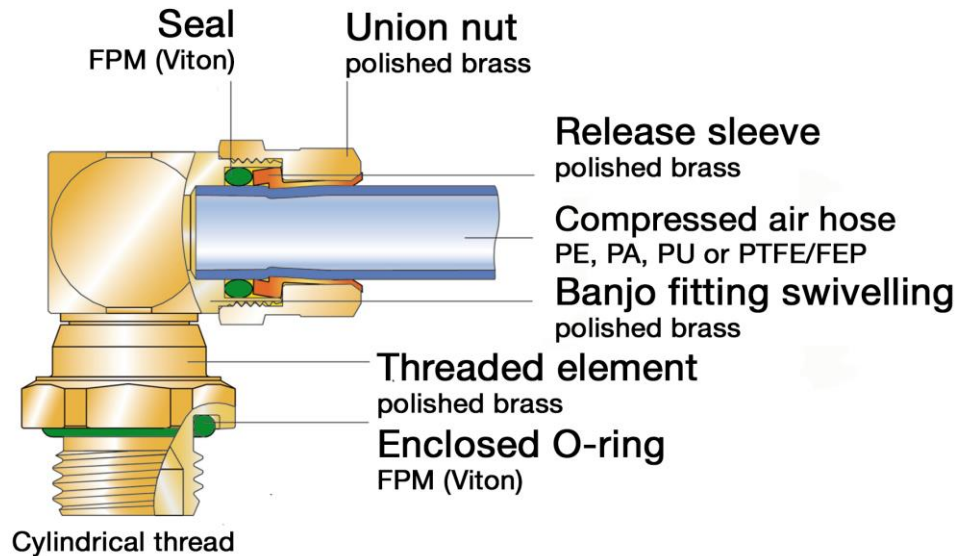


SERIES 2500
Threaded fittings with
full diameter



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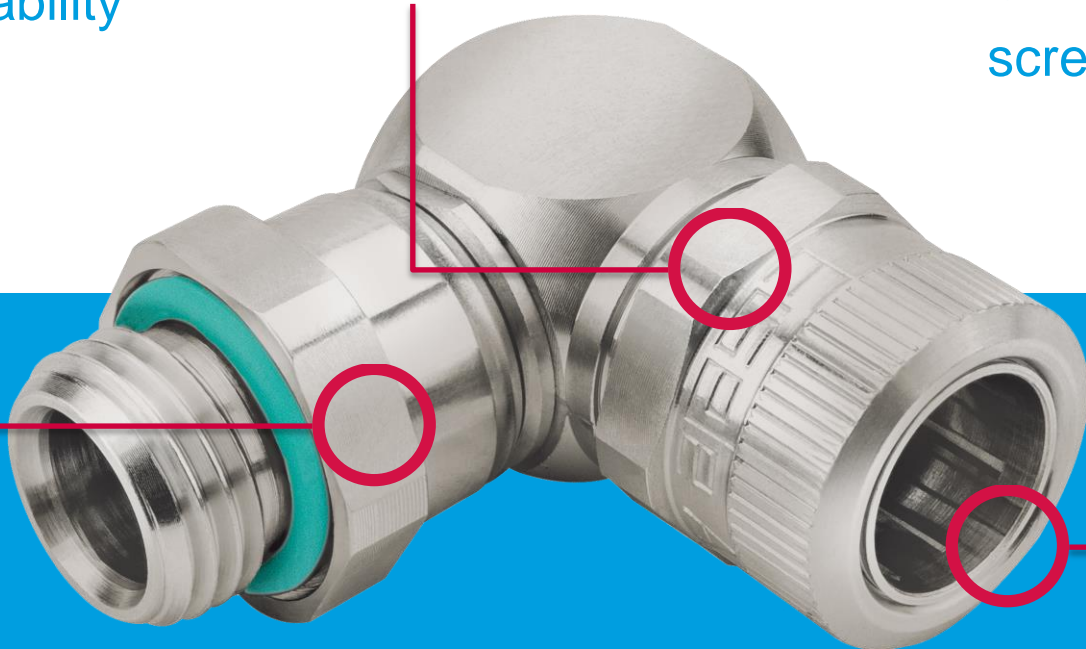
Functional principle SERIES 2500



Outstanding
holding ability

Intuitive handling
and assembly

Classical
screw-in connector



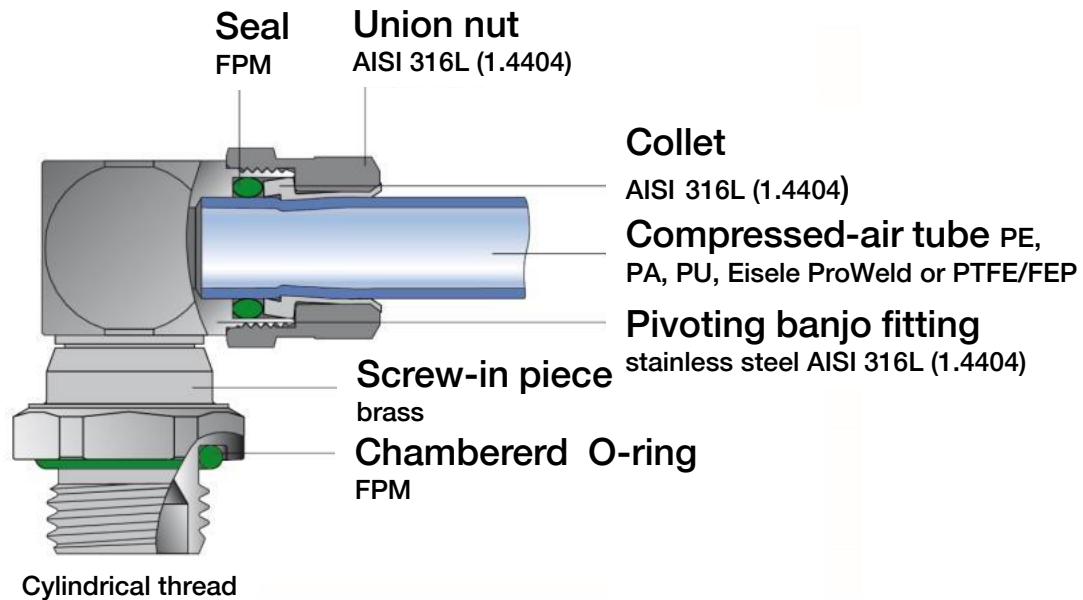
SERIES 4500

Plug connectors of stainless steel
stainless steel with full through flow



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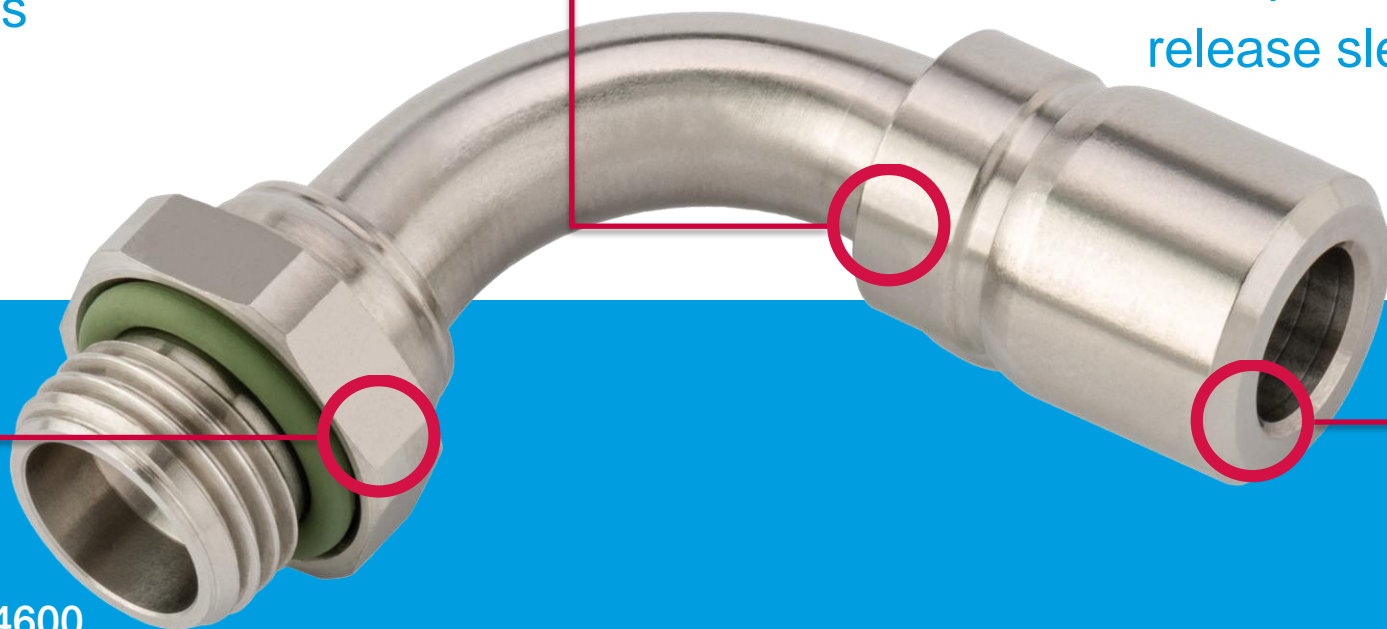
Functional principle SERIES 4500



Media-resistant
materials

Efficient
handling

With patented
release sleeve

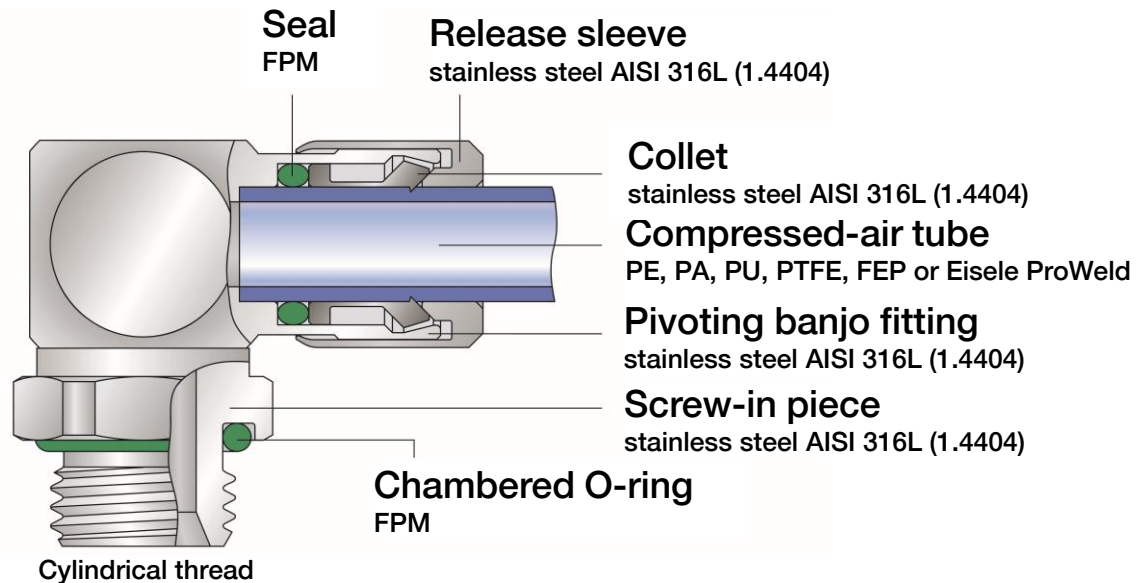


SERIES 4600
Plug connectors
with release sleeve and 1 seal



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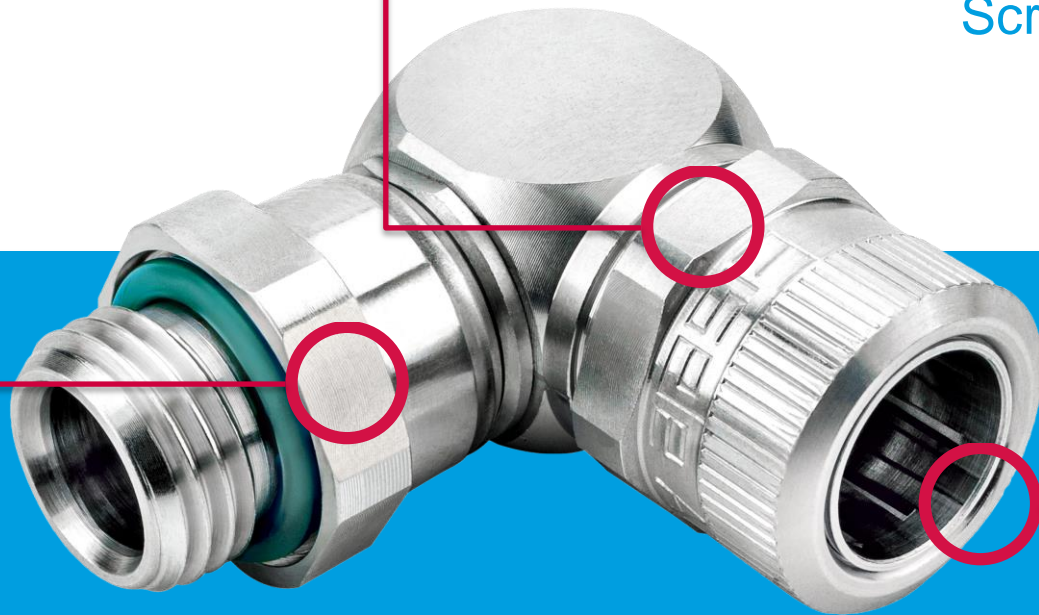
Functional principle SERIES 4600



Outstanding
holding ability

Intuitive handling
and assembly

Classical
Screw-in-connector



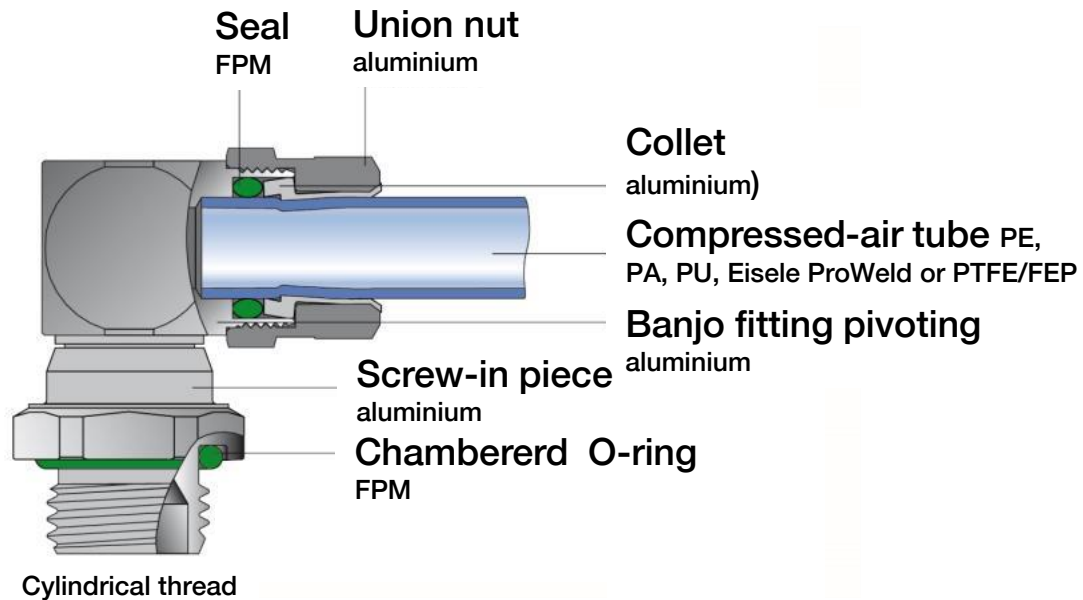
SERIES 5500

Threaded fittings of
aluminium with full diameter



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Functional principle SERIES 5500



CHOICE OF MATERIAL

Cooling water applications place special requirements on the material of the media-contacting elements. It is necessary to find a compromise that guarantees chemical resistance throughout the life of the system at a reasonable cost. To prevent corrosion resulting from dezincification the LIQUIDLINE is therefore manufactured from dezincification resistant brass.



CHOICE OF MATERIAL

Liquid coolers are often made of aluminium due to the high thermal conductivity of the material and are designed for several years of service. In circuits equipped with aluminium heat sinks, connections must be used that are made of aluminium instead of brass, to prevent electrolytic corrosion of the aluminium cooler.



CHOICE OF MATERIAL

Cooling water, with a pH value of 5 to 6, is only slightly acidic. In the pharmaceutical industry or in paint shops, for example, substances with higher acidity are often processed. In these applications and in the case of aggressive substances such as ammonia or water with a high chloride content it is generally preferable to use acid and alkali resistant stainless steel fittings.



EISELE quality

- 100 % Made in Germany
- Solid metal connectors
- Durable and robust
- Maximum reliability



“From the design through to delivery and beyond we guarantee the premium quality of Eisele products”

Klaus Harsch, Design Engineer



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CHECKLIST LIQUIDLINE 1

- ☑ Robust and durable
- ☑ Corrosion resistant in water applications
- ☑ Designed for high pressures
- ☑ Easy installation and handling



CHECKLIST LIQUIDLINE 2

- ☑ High sealing requirements
- ☑ Maximum flow in hose
- ☑ Less expensive than stainless steel
- ☑ Different hose materials



Do you have questions? We will be glad to advise you!



SUPPORT BY PHONE
+49 (0)7151-1719-0



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Eisele Pneumatics GmbH & Co. KG

High-quality connection components for compressed air, gases
and fluids

Hermann-Hess-Str. 14-16
D-71332 Waiblingen

Phone +49 (0)7151-1719-0
Fax +49 (0)7151-1719-17
info@eisele.eu



www.eisele.eu