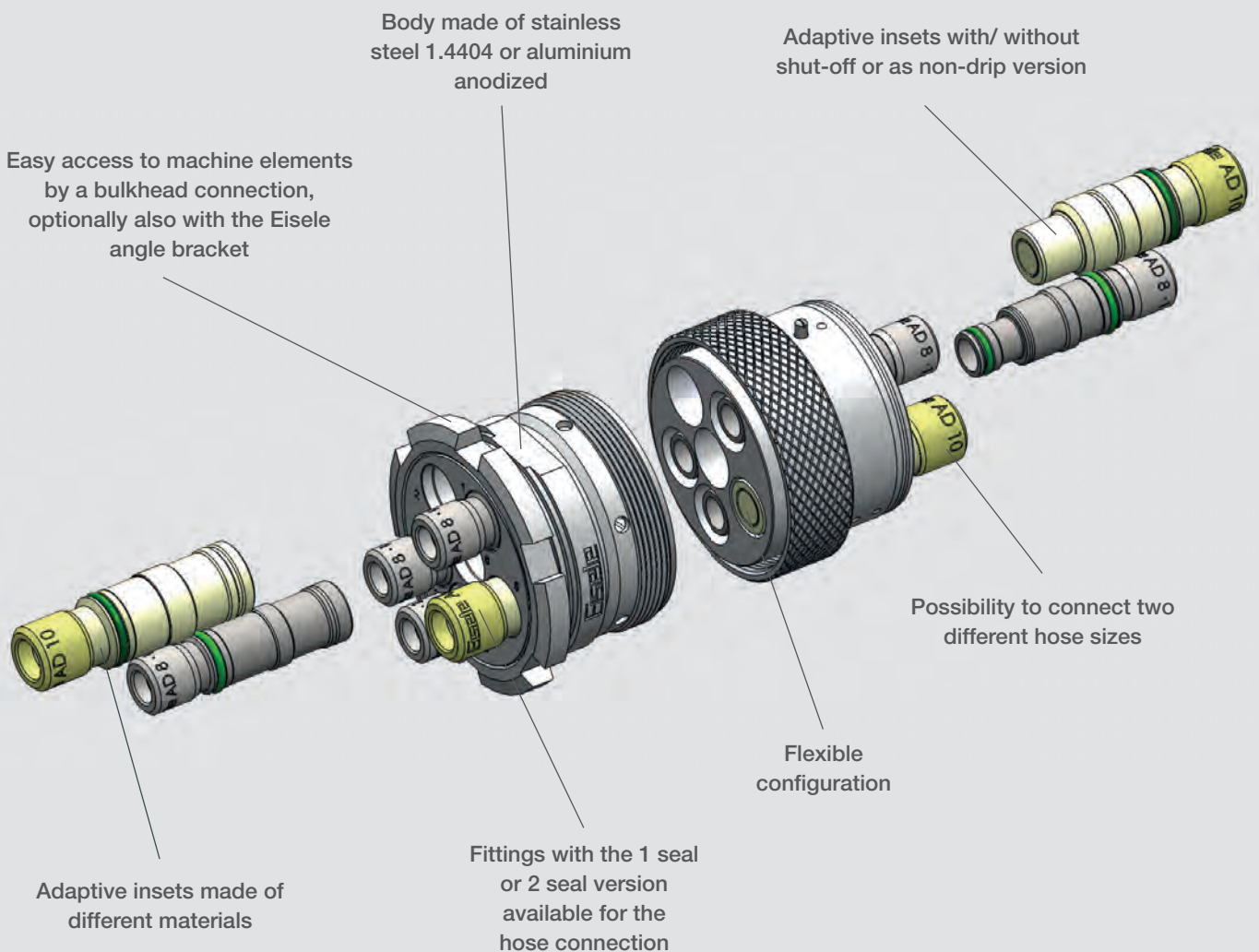


## MULTILINE PROGRAM

Individually compiled coupling in premium quality



# *World innovation: the modular connection solution for all connections.*





### 1 Adaptive

Can be configured as needed, regardless of hose sizes and material.

### 2 Premium quality

Solid metal (aluminium, stainless steel, brass, etc.) with high-quality finish.

### 3 Fast and reliable

Easy to handle and leak-proof.

## EISELE MULTILINE ADAPTIV

The modular solution for modular machines and systems in:

- ▶ Automation
- ▶ Food industry
- ▶ Pharmaceuticals
- ▶ Medical

Our new, individually configurable connection system MULTILINE ADAPTIVE provides everything you need in a connection: premium quality materials, easy assembly, a highly reliable connection and no leaks. It is also easy to clean, durable and robust.

Those are the standard features. MULTILINE ADAPTIVE offers more. For example, it sets new standards with respect to flexibility. Different connection options, cartridges and hose sizes give you exactly the connection concept for your requirements – nothing less than the optimal solution for your production process. And it also satisfies the highest standards for an attractive appearance. Standard is not enough.



## EISELE IS QUALITY MADE IN GERMANY

Over 30 patents, more than 8,000 standard articles, and 2,000 customized solutions impressively underline our top quality performance. Whether the solution is configured from standard components or individually customized: all EISELE products boast convincing quality, long lifetimes and sophisticated technology.

Our company is loyal to its philosophy and its roots. Germany is the place where we find our highly qualified employees – the workforce responsible for our company's output. With a manufacturing depth of almost 100%, and stock being kept at the production site itself, we can optimally supply our customers, and respond quickly to fulfill needs and technical specifications. EISELE is part of a global logistics network that guarantees the fast availability of our products on the global market.

DIN EN ISO 9001: 2008 – EISELE has been certified since 1994. We have continuously been updating this quality standard and will continue to maintain it with future certifications. The elements of our basic philosophy include sustainable quality, flexibility and continuous improvement.







Since 2014 Eisele is certified regarding the international economic standard DIN EN ISO 14001:2004.



### From EISELE connection components you may expect:

- + Highest tightness and safety
- + Ruggedness and long lifetimes
- + Vacuum-compatible products
- + Easy mounting and disassembly
- + Special connections for a broad range of applications



Content overview		Page	Series
EISELE MULTILINE	 <b>MULTILINE ADAPTIV</b> Individually compiled coupling	11	ADAPTIV
	 <b>Series 1800 - Multiple couplings without shut-off</b> Economically priced standard coupling with plug connectors - fully mounted delivery	47	1800
	 <b>Series 1811 - Multiple couplings with shut-off</b> Intuitive handling makes the 1811 series our top model	51	1811
	 <b>Accessories</b> Ideal supplement to the Eisele MULTILINE connections	61	ACC
	 <b>Customized connection solutions</b> Individual customer solutions	69	CLIENT
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For more information about our terms of sale please visit our website.

## Additional information

### Materials

Eisele manufactures and supplies in accordance to the directives 2011/65 / EU (RoHS) and China RoHS. Possible exceptions are marked on our documents (order confirmation, delivery note, invoice).

DIN	ASTM/AISI	Materials according to EN	International
1.4301	AISI 304	X5CrNi18-10	0Cr18Ni9 (China) SUS 304 (Japan) STS 304 (Korea) 08Ch18N10 (GUS)
1.4404	AISI 316L	X2CrNiMo17-12-2	00Cr17Ni14Mo2 (China) STS 316L (Korea) SUS 316L (Japan)
1.4571	AISI 316Ti	X6CrNiMoTi17-12-2	0Cr18Ni12MoTi (China) 10Ch17N13M2T (GUS) STS 316Ti (Korea) SUS 316Ti (Japan)
AlCu6BiPb	-	EN AW-2011	-
AlMgSiSnBi	-	EN AW-6023	-
AlMgSi1	-	EN AW-6082	-
CuZn36Pb2As	UNS C35330	CW602N	-
CuZn39Pb3	UNS C37700	CW614N	-

### Relative pressure

In the catalogue bar is used as the unit for the working pressure range.

1 bar = 14,5 psi = 10<sup>5</sup> Pa  
0,07 bar = 1 psi

bar	psi
-0,95	-14,00
-0,80	-11,50
0,00	0,00
0,50	7,00
1,00	14,50
10,00	145,00
15,00	217,00
24,00	348,00
100,00	1450,00

### Temperatur

In the catalogue °C is used as the unit for the working temperature range.

1 °C = 1,8 °F  
0,55 °C = 1 °F

°C	°F
-20	-4
-10	14
0	32
60	140
80	176
120	248
200	392

### Dimension

All information about lengths and diameters in the catalog are given in millimeters (mm). Based on the following data a conversion can be done

1 mm = 0,04 inch (Zoll)  
25,4 mm = 1 inch (Zoll)

**For further information and assistance, don't hesitate to contact us.**

Reservation: The validity of these general information cannot be guaranteed.

## Material properties - brass nickel-plated

### What are suitable applications for brass fittings?

Nickel-plated brass fittings are used primarily with compressed air or vacuum. The convenient solid metal fittings are ideal for use in all standard pneumatic applications, especially those requiring reliable and robust solutions. They can easily be combined with all other materials. Another advantage is the dirt-resistant construction.

### What areas of application exist?

Applications include for example industrial sectors such as woodworking or vacuum technology. Woodworking applications require robust and dirt-resistant fittings. The solid metal version is an ideal product in this case. Vacuum technology on the other hand requires an optimum seal.

Eisele recommends checking the use of the fittings under the actual specific conditions.

The experts at Eisele will be glad to assist you in selecting suitable adaptive insets.



## Material properties - Brass, dezincification free

### What is dezincification?

Dezincification is a long-known process that can lead to corrosion damage on cooling water fittings. In rare cases it is observed on brass components that are in constant contact with water. The colour of the corroded area changes to reddish copper, indicating that it no longer has any inherent strength.

Explained simply, the main alloy components of the brass dissolve: copper and zinc are oxidised into water-soluble salts. The zinc is carried away by the cooling water, while the copper accumulates as a sponge-like mass. This process generally occurs only in soft water with a high chloride content with low carbonate hardness.

### What is the solution offered by Eisele?

Dezincification can be prevented by the right choice of materials and proper handling of the components (compliance with tightening torques, for example). Eisele recommends using the products of the LIQUIDLINE. They are flow-optimised and are manufactured from a special dezincification-resistant brass alloy.

These products eliminate dezincification corrosion due to high chloride content and low carbonate hardness. Dezincification resistance is tested in accordance with ISO 6509. The LIQUIDLINE is highly resistant in industrial water, steam, various saline solutions and many organic liquids. The material is approved by Lloyd's Register for certain components in shipbuilding. The nickel-free fittings are an economical alternative to stainless steel solutions.

The adaptive insets of the MULTILINE are also available in dezincification-resistant brass. They are used in cooling and industrial water applications, in welding technology, robot technology and lubrication systems.

### What else is important to know?

The adaptive insets of the MULTILINE made of dezincification-resistant brass were developed for use in closed cooling water circuits. In some cases, stainless steel adaptive insets should be used instead. Eisele therefore recommends checking the use of the fittings under the actual specific conditions. For selection of the right materials one needs to consider not only the media used, but also the ambient conditions such as temperature and atmosphere. Stainless steel adaptive insets are necessary especially in case of pH values below 5. The same applies if ammonia or very high nitrate and chloride content is present in the medium itself, in any cleaners that are used or in the installation environment.

The experts at Eisele will be glad to assist you in selecting suitable adaptive insets.





## Material properties - Stainless steel

### What are suitable applications for stainless steel fittings?

Wherever standard materials such as plastic, brass and aluminium reach their limits in connection technology, the Eisele INOXLINe provides an economical stainless steel solution. Stainless steel features excellent protection against corrosion even with aggressive media and at high temperatures. Stainless steel connection components are therefore very durable and reliable. They can also easily be combined with all other materials. They are also easy to clean, which makes them ideal for use in hygienic areas.

### What areas of application exist?

The adaptive insets of the Eisele MULTILINE are also available in stainless steel. Applications include industrial sectors in which cross contamination or contamination with chemicals or micro-organisms must be avoided, for example in the food and pharmaceutical industries. Stainless steel is especially resistant to acidic media and aggressive cleaners.

### Which materials are recommended by Eisele?

Fittings of the INOXLINe series are manufactured primarily of the materials AISI 304, 304L, 316L (1.4301, 1.4307 or 1.4404). FPM (Viton®) is used as the seal material. For food applications we recommend use of the material AISI 316L (1.4404) in combination with FDA-compliant FPM seals.

The adaptive insets of the MULTILINE are manufactured exclusively of high-grade stainless steel AISI 316L (1.4404). Eisele recommends checking the use of the fittings under the actual specific conditions.

The experts at Eisele will be glad to assist you in selecting suitable adaptive insets.





## Multiline

ADAPTIV



### Diversity of variants

- Individually configurable connection
- Combination of lines with or without shut-off, optionally also drip-free
- Different materials can be used
- Different hose sizes can be combined

### High-quality craftsmanship

- Solid metal housing
- Bulkhead stuffing box
- Exclusive design
- With patented release sleeve to protect the system against penetration by dirt

### Time and space saving

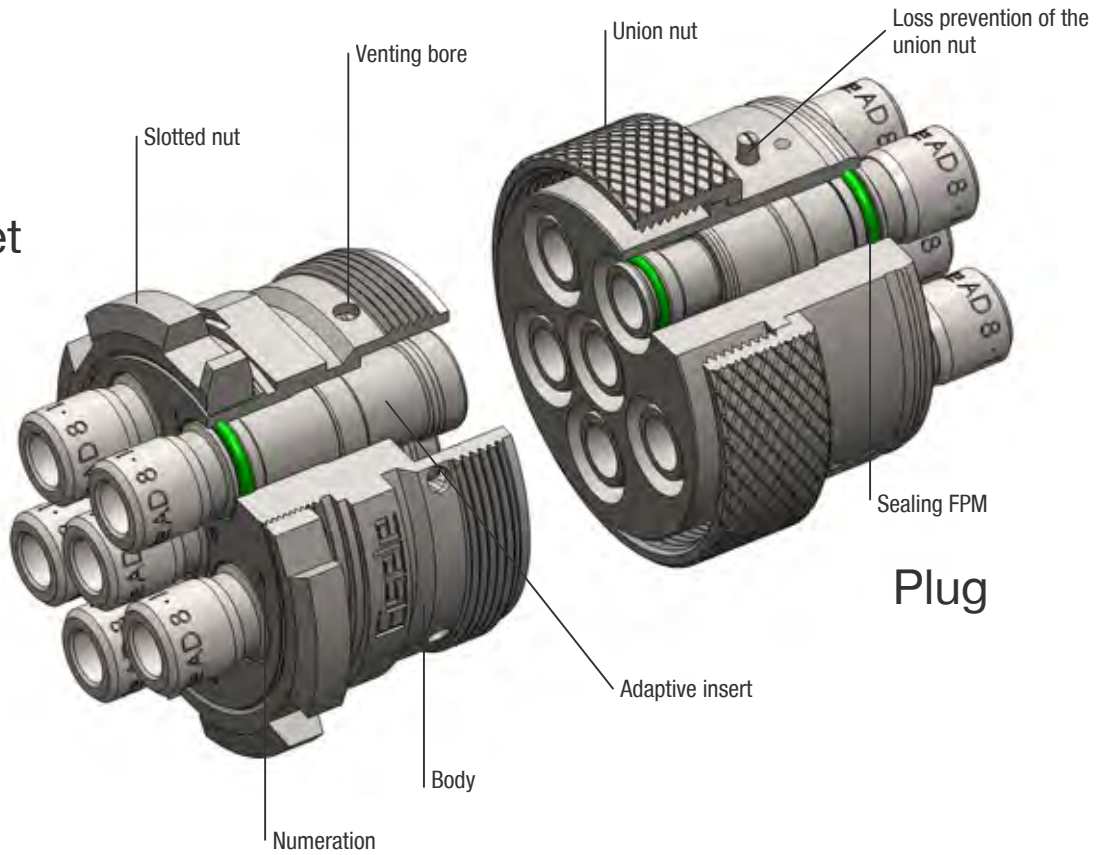
- Compact construction
- Patented modular plug-type fittings
- Hole pattern prevents incorrect connections
- Fast and easy handling

Accessories such as protective caps, hose bundles, mounting brackets and colour-coded sleeves are available in the Accessories section.

## Functional principle

ADAPTIV

### Socket



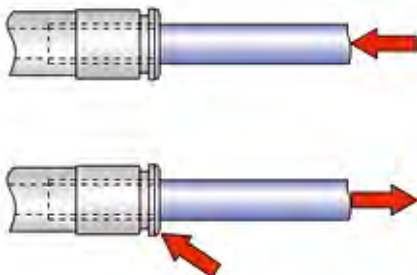
## Range of application

- Tool changing
- Module changing
- Valve islands
- Cylinder with limit switch
- Chemical equipment engineering
- Mechanical engineering
- Plant engineering
- Applications with aggressive media

## Service conditions

- Temperature range: -4 to 248 °F ( -20 to +120 °C)
- Working pressure -11,5 to 0 or 0 to 232 psi (1450 psi) (-0.8 to 0 bar or 0 to 16 bar (100 bar))
- Vacuum version available
- Dirt-resistant design
- Very fast and easy assembly without tools
- Flow-optimised
- Permissible medium: air, cooling water and other media on request

## Handling



Assembly: Push tube into the connector up to the limit stop

Disassembly: Push release sleeve, pull out tube

## Functional description of adaptive insets

Adaptive insets with different functions:

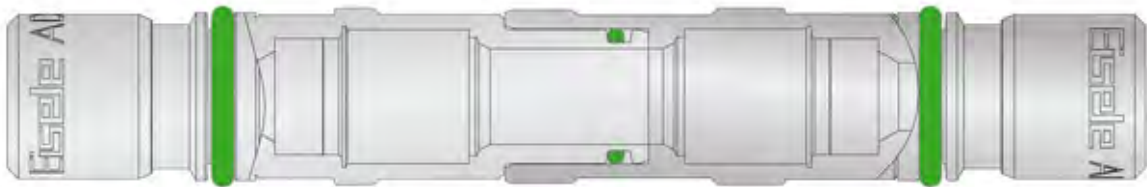
- With single seal for applications in the standard pressure range -11,5 to 232 psi (-0.8 to 16 bar)
- With double seal for applications with increased pressure -11,5 to 348 psi (-0.8 to 24 bar)

Adaptive insets for various applications made of the materials:

- Nickel-plated brass – e.g. for compressed air
- Dezincification-resistant brass – e.g. for cooling water circuits
- Stainless steel AISI 316L (1.4404) – e.g. for aggressive liquids

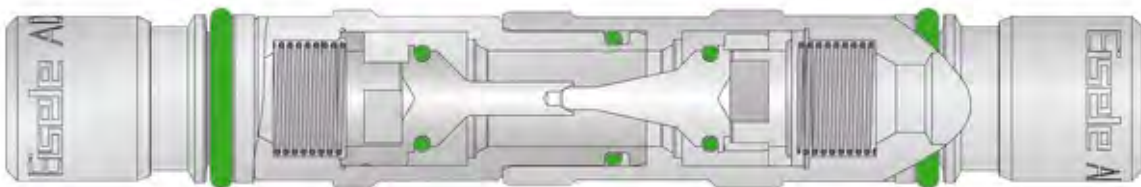
### VT1821-...

Adaptive insets without shut-off for non-pressurised connection and disconnection of a system. This construction ensures full flow without pressure loss.



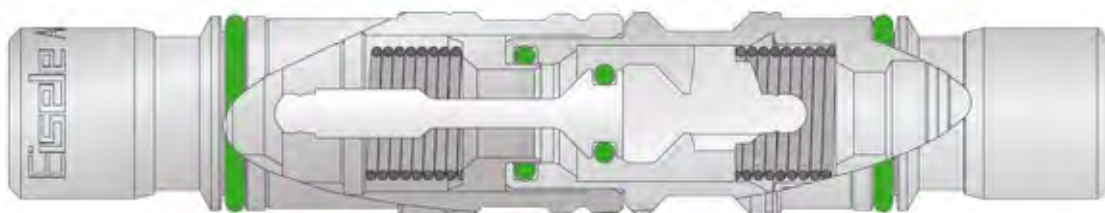
### VT1820-...

Adaptive insets with two-sided shut-off for connecting and disconnecting a system under pressure. In this construction the valves close during disconnection to prevent loss of pressurised medium. When connected the valves open mutually.



### VT1825-...

Drip-free adaptive insets for connection and disconnection of a system with minimal leakage. The function is the same as the version with two-sided shut-off. In this version the valves also act as closers and openers. The special construction of the valves and the special flat seal mechanism minimise leakage when connecting and disconnecting the fittings.



## Type of bore

The bore types apply both to the base body and the adaptive insets.

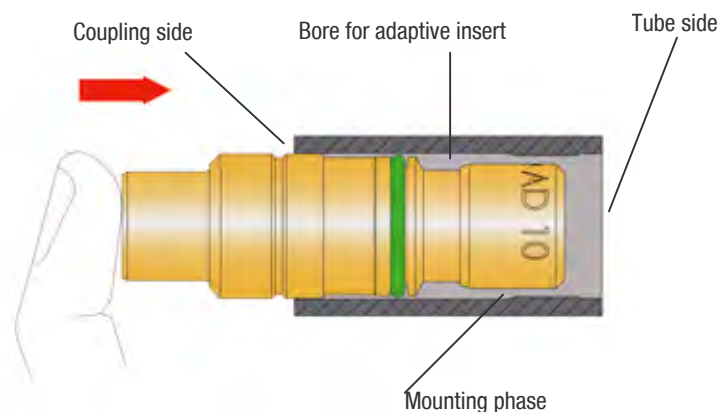
Bore type	for hoses with outer diameter *
A	4, 6
B	4, 6, 8
C	6, 8, 10
D	12, 14

\* other types on request

## Mounting and Dismounting of adaptive insets

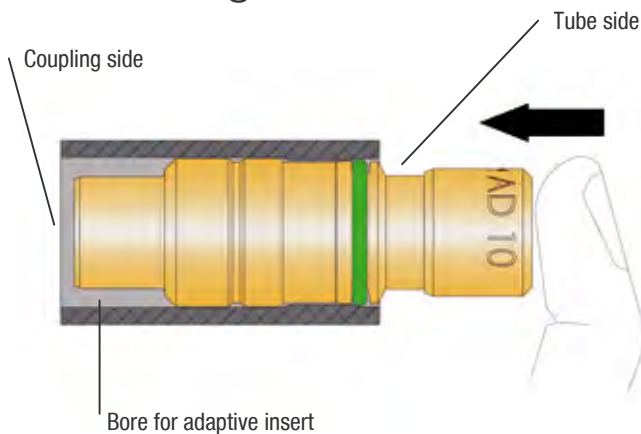
- Adaptive insets are separate units that can be flexibly combined with each other
- Reductions are possible (e.g. on the plug side an 8 mm and on the socket side a 6 mm hose connection)

### Mounting



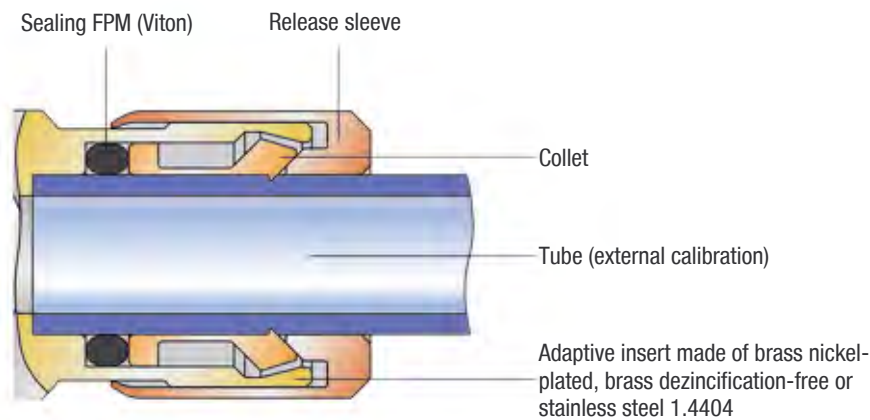
Use your thumb or the mating component to press the adaptive insert into the corresponding bore hole until you hear it click into place. The plug side must be mounted in the plug casing and the socket inset must be mounted in the socket casing.

### Dismounting



Working slowly, use your thumb or the mating component to firmly press the adaptive insert out of the bore hole.

## Functional description: 1 seal



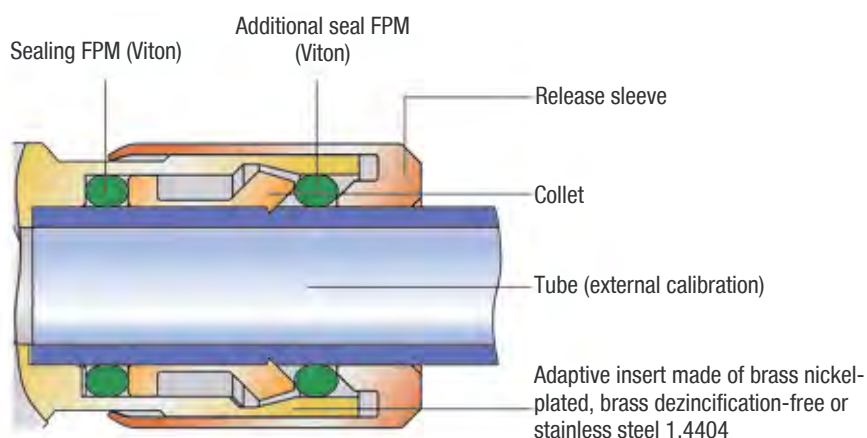
The inserted hose is held securely in the housing by an inner collet. An outer release sleeve protects the connection from impurities and enables easy disconnection of the hose without tools, even after extended use. Installation and operation are intuitive and safe.

Our goal: Connect and forget for the intended duration of use.

Applications:

- In standard pressure range (-0.8 to 16 bar)
- For all standard pneumatic applications
- Other applications on request

## Functional description: 2 seals



The inserted hose is held securely in the housing by an inner collet. An outer release sleeve protects the connection from impurities and enables easy disconnection of the hose without tools, even after extended use. A 2-seal system allows use of this connecting technology in areas where no leaks are permissible. Such applications include environments in the vicinity of electrical contacts or measuring systems.

Our goal: maximum safety and reliability for your products.

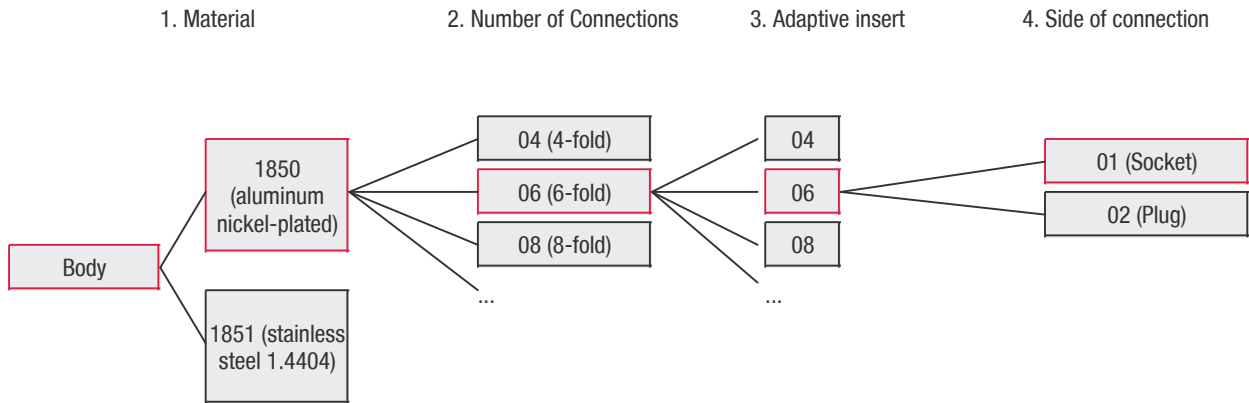
Applications:

- For applications with increased pressures (-0.85 to 24 bar, for some sizes up to 100 bar)
- For very tight bending radii
- For all standard applications with compressed air and fluids (as long as the material of the adaptive insert is sufficiently resistant)
- Other applications on request

## Decision diagram: Body

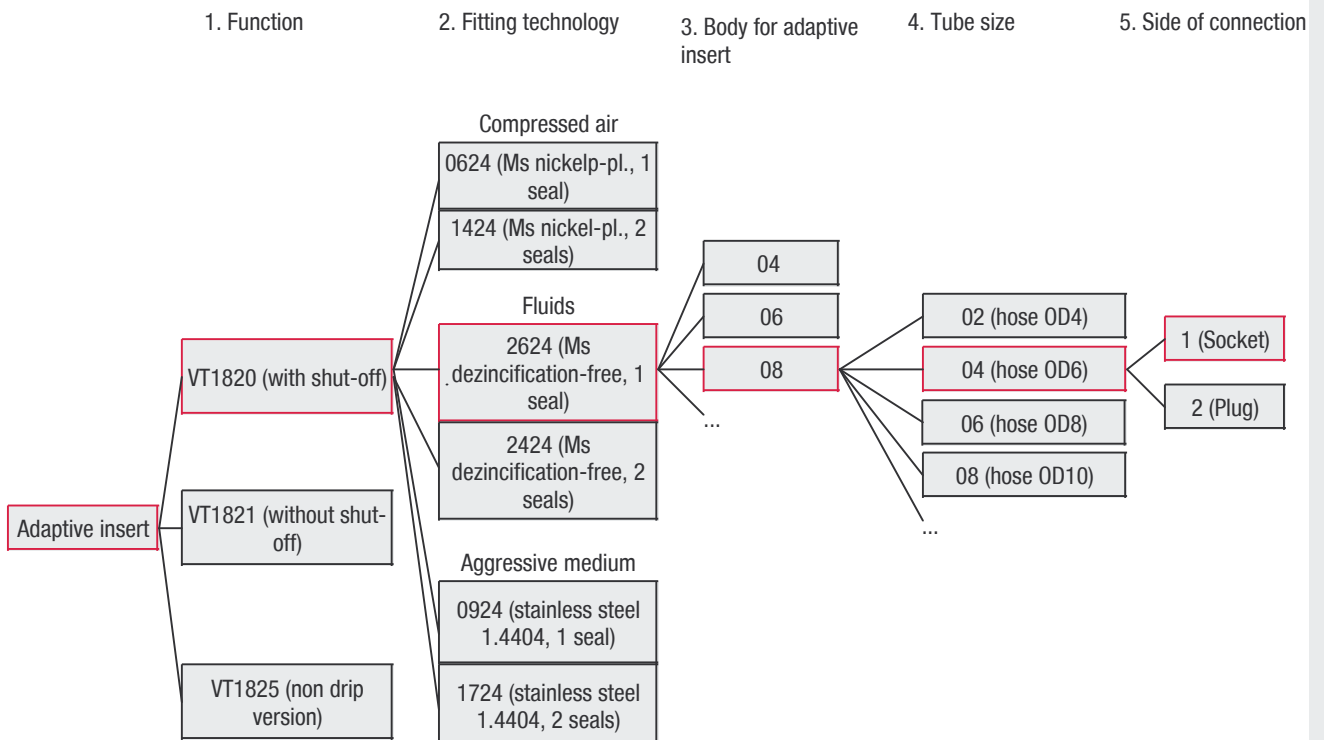
Example: **1850 - 06 06 01** corresponds to a connection socket made of aluminium chemically nickel-plated for 6 connections with adaptive inset size 06

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## Decision diagram: Adaptive insert

Example: **VT1820 - 2624 08 04 1** corresponds to an adaptive insert with shut-off made of dezincification-resistant brass, for a base body with adaptive inset size 08, with a plug connector for a hose with AD6, for a socket





## Durchflusswerte

For each size of the adaptive inserts the following flow rates were simulated:

VT1820-...

Article number	Tube outer diameter	Flow rate (air) [NI/min]	Flow rate (water) [NI/min]
VT1820-XXXXX02X	4,00 (5/32")	15	1,7
VT1820-XXXXX04X	6,00	65	6,0
VT1820-XXXXX63X	6,35 (1/4")	80	7,5
VT1820-XXXXX06X	8,00 (5/16")	130	12,5
VT1820-XXXXX95X	9,53 (3/8")	175	17,0
VT1820-XXXXX08X	10,00	235	23,0
VT1820-XXXXX09X	12,00	320	31,0
VT1820-XXXXX11X	14,00	380	37,0

VT1825-...

Article number	Tube outer diameter	Flow rate (water) [NI/min]
VT1825-XXXXX02X	4,00 (5/32")	1,6
VT1825-XXXXX04X	6,00	5,5
VT1825-XXXXX63X	6,35 (1/4")	6,0
VT1825-XXXXX06X	8,00 (5/16")	7,5
VT1825-XXXXX95X	9,53 (3/8")	15,5
VT1825-XXXXX08X	10,00	19,0

ADAPTIV

## Type of bore: A starting on page 19

Body	page 19
Adaptive insert made of brass nickel-plated	page 21
Adaptive insert made of brass dezincification-free	page 22
Adaptive insert made of stainless steel AISI 316L	page 23

## Type of bore: B starting on page 24

Body	page 24
Adaptive insert made of brass nickel-plated	page 27
Adaptive insert made of brass dezincification-free	page 29
Adaptive insert made of stainless steel AISI 316L	page 31

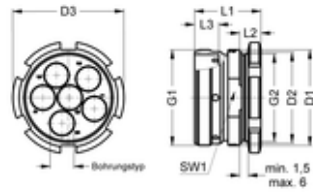
## Type of bore: C starting on page 33

Body	page 33
Adaptive insert made of brass nickel-plated	page 34
Adaptive insert made of brass dezincification-free	page 36
Adaptive insert made of stainless steel AISI 316L	page 38

## Type of bore: D starting on page 40

Body	page 40
Adaptive insert made of brass nickel-plated	page 41
Adaptive insert made of brass dezincification-free	page 43
Adaptive insert made of stainless steel AISI 316L	page 45

## Body socket

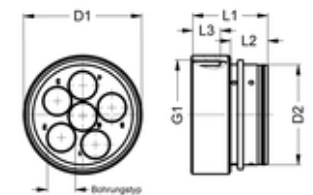


- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material Al nickel-plated
- G2 fits to D1 of the Angle bracket 1850-...

ADAPTIV

Part no.	Design	Type of bore	L1	L2	L3	G1	G2	D1	D2	D3	SW1	g/piece
1850-040401	4-fold	A	41,8	13,4	15,3	M38x1,5	M34x1	40	36	SW 41	34	60
1850-060401	6-fold	A	41,8	13,4	15,3	M46X1,5	M42x1	47	43	SW 50	42	85
1850-080401	8-fold	A	41,8	13,4	15,3	M50X1,5	M48x1	53	49	60	48	142
1850-100401	10-fold	A	41,8	13,4	15,3	M60X1,5	M54x1	60	56	68	55	143
1850-120401	12-fold	A	41,8	13,4	15,3	M60X1,5	M54x1	60	56	68	55	128

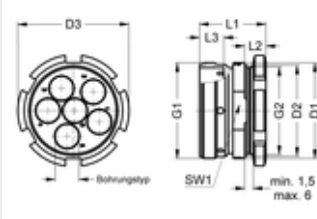
## Body plug



- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material Al nickel-plated
- D2 fits to D2 of the Hose bundle

Part no.	Design	Type of bore	L1	L2	L3	G1	D1	D2	g/piece
1850-040402	4-fold	A	41,3	20,5	15,3	M38x1,5	44	34	78
1850-060402	6-fold	A	41,3	20,5	15,3	M46X1,5	50	42	102
1850-080402	8-fold	A	41,3	20,5	15,3	M50X1,5	56	48	127
1850-100402	10-fold	A	41,3	20,5	15,3	M60X1,5	65	55	176
1850-120402	12-fold	A	41,3	20,5	15,3	M60X1,5	65	55	149

## Body socket

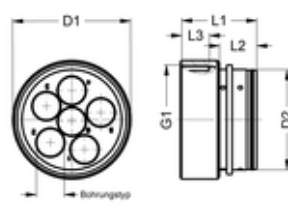


- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material AISI 316L (1.4404)
- G2 fits to D1 of the Angle bracket 1850-...

ADAPTIV

Part no.	Design	Type of bore	L1	L2	L3	G1	G2	D1	D2	D3	SW1	g/piece
1851-040401	4-fold	A	41,8	13,4	15,3	M38x1,5	M34x1	40	36	SW 41	34	170
1851-060401	6-fold	A	41,8	13,4	15,3	M46X1,5	M42x1	47	43	SW 50	42	241
1851-080401	8-fold	A	41,8	13,4	15,3	M50X1,5	M48x1	53	49	60	48	403
1851-100401	10-fold	A	41,8	13,4	15,3	M60X1,5	M54x1	60	56	68	55	406
1851-120401	12-fold	A	41,8	13,4	15,3	M60X1,5	M54x1	60	56	68	55	363

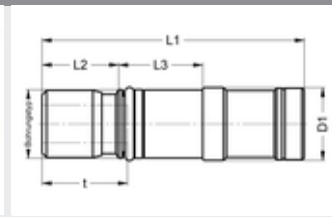
## Body plug



- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material AISI 316L (1.4404)
- D2 fits to D2 of the Hose bundle

Part no.	Design	Type of bore	L1	L2	L3	G1	D1	D2	g/piece
1851-040402	4-fold	A	41,3	20,5	15,3	M38x1,5	44	34	221
1851-060402	6-fold	A	41,3	20,5	15,3	M46X1,5	50	42	289
1851-080402	8-fold	A	41,3	20,5	15,3	M50X1,5	56	48	360
1851-100402	10-fold	A	41,3	20,5	15,3	M60X1,5	65	55	499
1851-120402	12-fold	A	41,3	20,5	15,3	M60X1,5	65	55	423

## Adaptive insert without shut-off, 1 seal

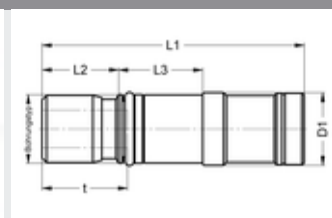


- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-062404021	socket	A	OD4 (5/32)	52	11,5	18,3	12,4	12,7	3	21
VT1821-062404022	plug	A	OD4 (5/32)	52	11,5	12,3	12,4	12,7	3	19
VT1821-062404041	socket	A	OD6	54	13,5	18,3	12,4	15,5	4,5	22
VT1821-062404042	plug	A	OD6	54	13,5	12,3	12,4	15,5	4,5	21

ADAPTIV

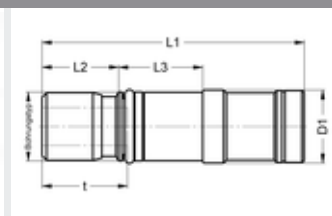
## Adaptive insert without shut-off, 2 seals



- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-142404021	socket	A	OD4 (5/32)	51	11	18,3	12,4	13,8	3	21
VT1821-142404022	plug	A	OD4 (5/32)	51	11	12,3	12,4	13,8	3	19
VT1821-142404041	socket	A	OD6	55	14,5	18,3	12,4	17,1	4,5	23
VT1821-142404042	plug	A	OD6	55	14,5	12,3	12,4	17,1	4,5	21

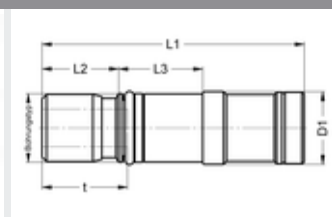
## Adaptive insert with shut-off, 1 seal



- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-062404021	socket	A	OD4 (5/32)	52	11,5	18,3	12,4	12,7	3	23
VT1820-062404022	plug	A	OD4 (5/32)	52	11,5	12,3	12,4	12,7	3	21
VT1820-062404041	socket	A	OD6	54	13,5	18,3	12,4	15,5	4,5	24
VT1820-062404042	plug	A	OD6	54	13,5	12,3	12,4	15,5	4,5	23

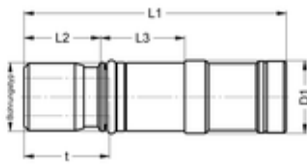
## Adaptive insert with shut-off, 2 seals



- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-142404021	socket	A	OD4 (5/32)	51	11	18,3	12,4	13,8	3	24
VT1820-142404022	plug	A	OD4 (5/32)	51	11	12,3	12,4	13,8	3	23
VT1820-142404041	socket	A	OD6	55	14,5	18,3	12,4	17,1	4,5	27
VT1820-142404042	plug	A	OD6	55	14,5	12,3	12,4	17,1	4,5	25

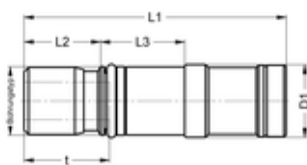
## Adaptive insert without shut-off, 1 seal



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-262404021	socket	A	OD4 (5/32)	52	11,5	18,3	12,4	12,7	3	21
VT1821-262404022	plug	A	OD4 (5/32)	52	11,5	12,3	12,4	12,7	3	19
VT1821-262404041	socket	A	OD6	54	13,5	18,3	12,4	15,5	4,5	22
VT1821-262404042	plug	A	OD6	54	13,5	12,3	12,4	15,5	4,5	21

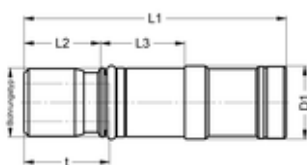
## Adaptive insert without shut-off, 2 seals



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-242404021	socket	A	OD4 (5/32)	51	11	18,3	12,4	13,8	3	21
VT1821-242404022	plug	A	OD4 (5/32)	51	11	12,3	12,4	13,8	3	19
VT1821-242404041	socket	A	OD6	55	14,5	18,3	12,4	17,1	4,5	23
VT1821-242404042	plug	A	OD6	55	14,5	12,3	12,4	17,1	4,5	21

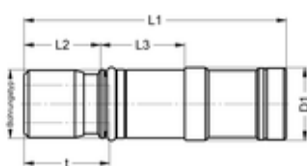
## Adaptive insert with shut-off, 1 seal



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-262404021	socket	A	OD4 (5/32)	52	11,5	18,3	12,4	12,7	3	23
VT1820-262404022	plug	A	OD4 (5/32)	52	11,5	12,3	12,4	12,7	3	21
VT1820-262404041	socket	A	OD6	54	13,5	18,3	12,4	15,5	4,5	24
VT1820-262404042	plug	A	OD6	54	13,5	12,3	12,4	15,5	4,5	23

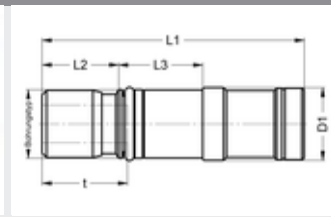
## Adaptive insert with shut-off, 2 seals



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-242404021	socket	A	OD4 (5/32)	51	11	18,3	12,4	13,8	3	24
VT1820-242404022	plug	A	OD4 (5/32)	51	11	12,3	12,4	13,8	3	23
VT1820-242404041	socket	A	OD6	55	14,5	18,3	12,4	17,1	4,5	27
VT1820-242404042	plug	A	OD6	55	14,5	12,3	12,4	17,1	4,5	25

## Adaptive insert without shut-off, 1 seal

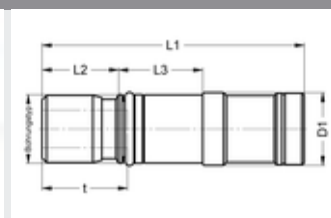


- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

ADAPTIV

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-092404021	socket	A	OD4 (5/32)	52	11,5	18,3	12,4	12,7	3	19
VT1821-092404022	plug	A	OD4 (5/32)	52	11,5	12,3	12,4	12,7	3	18
VT1821-092404041	socket	A	OD6	54	13,5	18,3	12,4	15,5	4,5	21
VT1821-092404042	plug	A	OD6	54	13,5	12,3	12,4	15,5	4,5	19

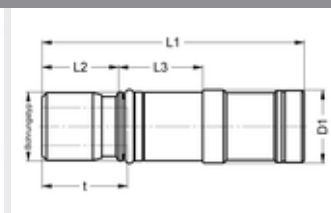
## Adaptive insert without shut-off, 2 seals



- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-172404021	socket	A	OD4 (5/32)	51	11	18,3	12,4	13,8	3	19
VT1821-172404022	plug	A	OD4 (5/32)	51	11	12,3	12,4	13,8	3	18
VT1821-172404041	socket	A	OD6	55	14,5	18,3	12,4	17,1	4,5	21
VT1821-172404042	plug	A	OD6	55	14,5	12,3	12,4	17,1	4,5	20

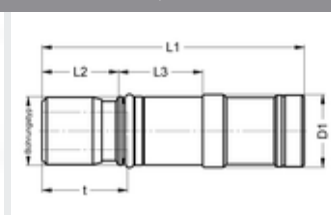
## Adaptive insert with shut-off, 1 seal



- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-092404021	socket	A	OD4 (5/32)	52	11,5	18,3	12,4	12,7	3	21
VT1820-092404022	plug	A	OD4 (5/32)	52	11,5	12,3	12,4	12,7	3	20
VT1820-092404041	socket	A	OD6	54	13,5	18,3	12,4	15,5	4,5	23
VT1820-092404042	plug	A	OD6	54	13,5	12,3	12,4	15,5	4,5	21

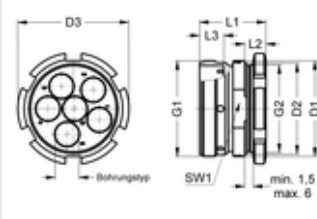
## Adaptive insert with shut-off, 2 seals



- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-172404021	socket	A	OD4 (5/32)	51	11	18,3	12,4	13,8	3	21
VT1820-172404022	plug	A	OD4 (5/32)	51	11	12,3	12,4	13,8	3	20
VT1820-172404041	socket	A	OD6	55	14,5	18,3	12,4	17,1	4,5	23
VT1820-172404042	plug	A	OD6	55	14,5	12,3	12,4	17,1	4,5	22

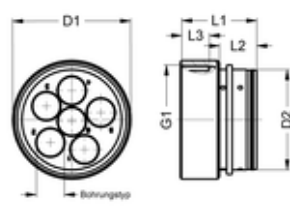
## Body socket



- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material Al nickel-plated
- G2 fits to D1 of the Angle bracket 1850-...

Part no.	Design	Type of bore	L1	L2	L3	G1	G2	D1	D2	D3	SW1	g/piece
1850-040601	4-fold	B	41,8	13,4	15,3	M46X1,5	M42x1	47	43	SW 50	42	80
1850-060601	6-fold	B	41,8	13,4	15,3	M60X1,5	M54x1	60	56	68	55	146
1850-080601	8-fold	B	41,8	13,4	15,3	M70X1,5	M65x1	70	66	78	65	194
1850-100601	10-fold	B	41,8	13,4	15,3	M73X1,5	M70x1	75	71	83	70	211

## Body plug

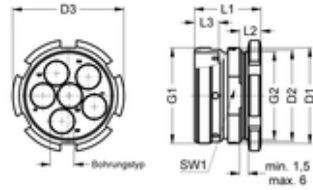


- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material Al nickel-plated
- D2 fits to D2 of the Hose bundle

Part no.	Design	Type of bore	L1	L2	L3	G1	D1	D2	g/piece
1850-040602	4-fold	B	41,3	20,5	15,3	M46X1,5	50	42	95
1850-060602	6-fold	B	41,3	20,5	15,3	M60X1,5	65	55	180
1850-080602	8-fold	B	41,3	20,5	15,3	M70X1,5	74	65	248
1850-100602	10-fold	B	41,3	20,5	15,3	M73X1,5	78	68	245



## Body socket

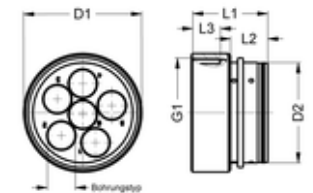


- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material AISI 316L (1.4404)
- G2 fits to D1 of the Angle bracket 1850-...

ADAPTIV

Part no.	Design	Type of bore	L1	L2	L3	G1	G2	D1	D2	D3	SW1	g/piece
1851-040601	4-fold	B	41,8	13,4	15,3	M46X1,5	M42x1	47	43	SW 50	42	227
1851-060601	6-fold	B	41,8	13,4	15,3	M60X1,5	M54x1	60	56	68	55	414
1851-080601	8-fold	B	41,8	13,4	15,3	M70X1,5	M65x1	70	66	78	65	550
1851-100601	10-fold	B	41,8	13,4	15,3	M73X1,5	M70x1	75	71	83	70	599

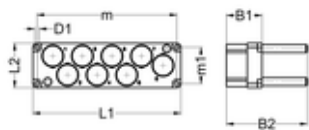
## Body plug



- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material AISI 316L (1.4404)
- D2 fits to D2 of the Hose bundle

Part no.	Design	Type of bore	L1	L2	L3	G1	D1	D2	g/piece
1851-040602	4-fold	B	41,3	20,5	15,3	M46X1,5	50	42	269
1851-060602	6-fold	B	41,3	20,5	15,3	M60X1,5	65	55	511
1851-080602	8-fold	B	41,3	20,5	15,3	M70X1,5	74	65	704
1851-100602	10-fold	B	41,3	20,5	15,3	M73X1,5	78	68	695

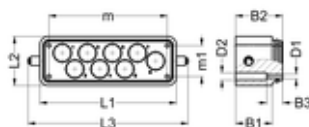
## Industrial connector socket



- Fits perfectly to the Eisele adaptive inserts
- Fits perfectly to all common industrial connectors
- Material Al, AISI 304 (1.4301)

Part no.	Design	Type of bore	L1	L2	B1	B2	m	m1	D1	g/piece
1856-24080601	8-fold	B	110	33	26,5	60	104	27	3,4	156

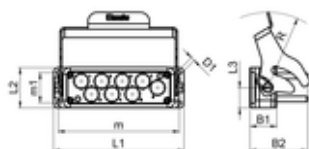
## Industrial connector plug



- Fits perfectly to the Eisele adaptive inserts
- Material Al, AISI 304 (1.4301)
- Sealing FPM
- Temperature range -4 to 248 °F (-20 to 120°C)

Part no.	Design	Type of bore	L1	L2	L3	B1	B2	B3	m	m1	D1	D2	g/piece
1856-24080602	8-fold	B	120	43	140	32,2	41,3	13,9	104	27	M3	Ø6,5	375

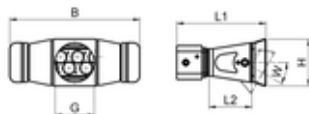
## Industrial connector socket with mounting handle



- Fits perfectly to the Eisele adaptive inserts
- Material Al, AISI 304 (1.4301)

Part no.	Design	Type of bore	L1	L2	B1	B2	m	m1	D1	R	g/piece
1856-24080611	8-fold	B	140	43	28,6	62	130	32	Ø4,3	80	451

## Industrial connector plug with with mounting handle and tube bundling



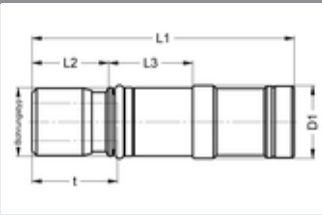
- Fits perfectly to the Eisele adaptive inserts
- Material Al, AISI 304 (1.4301)

Part no.	Design	Type of bore	L1	L2	B	H	W	G	g/piece
1856-24080612	8-fold	B	114	55	ca. 170	60	30°, 60°	M50x1,5	680

ADAPTIV

EISELE MULTILINE

## Adaptive insert without shut-off, 1 seal

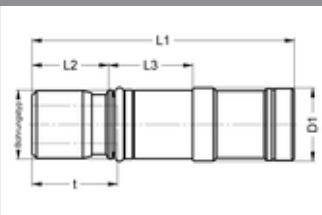


- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

ADAPTIV

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-062406021	socket	B	OD4 (5/32)	53	12,5	18,3	15,7	12,7	3	32
VT1821-062406022	plug	B	OD4 (5/32)	53	12,5	12,3	15,7	12,7	3	29
VT1821-062406041	socket	B	OD6	54	14	18,3	15,7	15,5	4,5	33
VT1821-062406042	plug	B	OD6	54	14	12,3	15,7	15,5	4,5	30
VT1821-062406631	socket	B	OD6,35 (1/4)	54	14	18,3	15,7	15,5	4,5	33
VT1821-062406632	plug	B	OD6,35 (1/4)	54	14	12,3	15,7	15,5	4,5	30
VT1821-062406061	socket	B	OD8 (5/16)	57	17	18,3	15,7	18,5	6,5	36
VT1821-062406062	plug	B	OD8 (5/16)	57	17	12,3	15,7	18,5	6,5	33

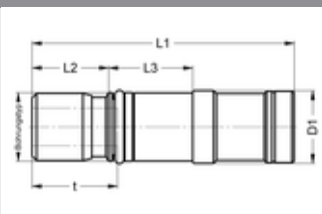
## Adaptive insert without shut-off, 2 seals



- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-142406021	socket	B	OD4 (5/32)	52	12	18,3	15,7	13,8	3	32
VT1821-142406022	plug	B	OD4 (5/32)	52	12	12,3	15,7	13,8	3	29
VT1821-142406041	socket	B	OD6	54	13,4	18,3	15,7	17,1	4,5	33
VT1821-142406042	plug	B	OD6	54	13,4	12,3	15,7	17,1	4,5	30
VT1821-142406061	socket	B	OD8 (5/16)	58	17,6	18,3	15,7	20,3	6,5	37
VT1821-142406062	plug	B	OD8 (5/16)	58	17,6	12,3	15,7	20,3	6,5	34

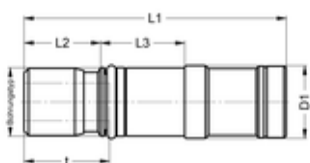
## Adaptive insert with shut-off, 1 seal



- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-062406021	socket	B	OD4 (5/32)	53	12,5	18,3	15,7	12,7	3	36
VT1820-062406022	plug	B	OD4 (5/32)	53	12,4	12,3	15,7	12,7	3	33
VT1820-062406041	socket	B	OD6	54	14	18,3	15,7	15,5	4,5	37
VT1820-062406042	plug	B	OD6	54	14,4	12,3	15,7	15,5	4,5	34
VT1820-062406631	socket	B	OD6,35 (1/4)	54	14	18,3	15,7	15,5	4,5	37
VT1820-062406632	plug	B	OD6,35 (1/4)	54	14	12,3	15,7	15,5	4,5	34
VT1820-062406061	socket	B	OD8 (5/16)	57	17	18,3	15,7	18,5	6,5	40
VT1820-062406062	plug	B	OD8 (5/16)	57	17	12,3	15,7	18,5	6,5	37

## Adaptive insert with shut-off, 2 seals

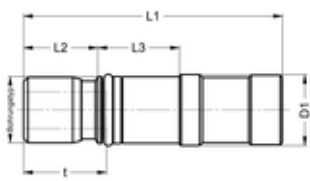


- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

ADAPTIV

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-142406021	socket	B	OD4 (5/32)	52	12	18,3	15,7	13,8	3	37
VT1820-142406022	plug	B	OD4 (5/32)	52	12	12,3	15,7	13,8	3	35
VT1820-142406041	socket	B	OD6	54	13,4	18,3	15,7	17,1	4,5	37
VT1820-142406042	plug	B	OD6	54	13,4	12,3	15,7	17,1	4,5	34
VT1820-142406061	socket	B	OD8 (5/16)	58	17,6	18,3	15,7	20,3	6,5	41
VT1820-142406062	plug	B	OD8 (5/16)	58	17,6	12,3	15,7	20,3	6,5	38

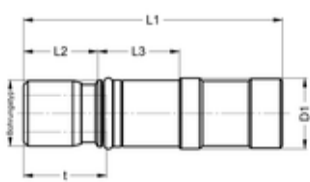
## Adaptive insert non-drip, 1 seal



- Seals FPM
- Material brass nickel-plated
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-062406021	socket	B	OD4 (5/32)	53	12,5	18,3	15,7	12,7	3	46
VT1825-062406022	plug	B	OD4 (5/32)	53	12,5	12,3	15,7	12,7	3	36
VT1825-062406041	socket	B	OD6	54	14	18,3	15,7	15,5	4,5	47
VT1825-062406042	plug	B	OD6	54	14	12,3	15,7	15,5	4,5	38
VT1825-062406631	socket	B	OD6,35 (1/4)	54	14	18,3	15,7	15,5	4,5	47
VT1825-062406632	plug	B	OD6,35 (1/4)	54	14	12,3	15,7	15,5	4,5	38
VT1825-062406061	socket	B	OD8 (5/16)	57	17	18,3	15,7	18,5	6,5	50
VT1825-062406062	plug	B	OD8 (5/16)	57	17	12,3	15,7	18,5	6,5	41

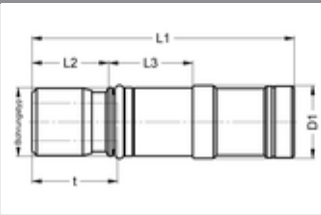
## Adaptive insert non-drip, 2 seals



- Seals FPM
- Material brass nickel-plated
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-142406021	socket	B	OD4 (5/32)	52	12	18,3	15,7	13,8	3	47
VT1825-142406022	plug	B	OD4 (5/32)	52	12	12,3	15,7	13,8	3	38
VT1825-142406041	socket	B	OD6	54	13,4	18,3	15,7	17,1	4,5	47
VT1825-142406042	plug	B	OD6	54	13,4	12,3	15,7	17,1	4,5	38
VT1825-142406061	socket	B	OD8 (5/16)	58	17,6	18,3	15,7	20,3	6,5	51
VT1825-142406062	plug	B	OD8 (5/16)	58	17,6	12,3	15,7	20,3	6,5	42

## Adaptive insert without shut-off, 1 seal

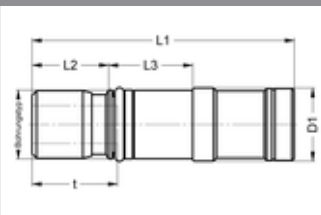


- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

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Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-262406021	socket	B	OD4 (5/32)	53	12,5	18,3	15,7	12,7	3	32
VT1821-262406022	plug	B	OD4 (5/32)	53	12,5	12,3	15,7	12,7	3	29
VT1821-262406041	socket	B	OD6	54	14	18,3	15,7	15,5	4,5	33
VT1821-262406042	plug	B	OD6	54	14	12,3	15,7	15,5	4,5	30
VT1821-262406631	socket	B	OD6,35 (1/4)	54	14	18,3	15,7	15,5	4,5	33
VT1821-262406632	plug	B	OD6,35 (1/4)	54	14	12,3	15,7	15,5	4,5	30
VT1821-262406061	socket	B	OD8 (5/16)	57	17	18,3	15,7	18,5	6,5	36
VT1821-262406062	plug	B	OD8 (5/16)	57	17	12,3	15,7	18,5	6,5	33

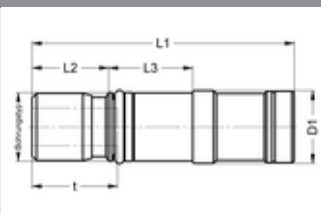
## Adaptive insert without shut-off, 2 seals



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-242406021	socket	B	OD4 (5/32)	52	12	18,3	15,7	13,8	3	32
VT1821-242406022	plug	B	OD4 (5/32)	52	12	12,3	15,7	13,8	3	29
VT1821-242406041	socket	B	OD6	54	13,4	18,3	15,7	17,1	4,5	33
VT1821-242406042	plug	B	OD6	54	13,4	12,3	15,7	17,1	4,5	30
VT1821-242406061	socket	B	OD8 (5/16)	58	17,6	18,3	15,7	20,3	6,5	37
VT1821-242406062	plug	B	OD8 (5/16)	58	17,6	12,3	15,7	20,3	6,5	34

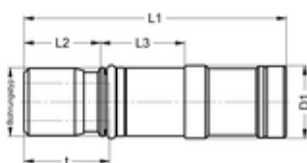
## Adaptive insert with shut-off, 1 seal



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-262406021	socket	B	OD4 (5/32)	53	12,5	18,3	15,7	12,7	3	36
VT1820-262406022	plug	B	OD4 (5/32)	53	12,5	12,3	15,7	12,7	3	33
VT1820-262406041	socket	B	OD6	54	14	18,3	15,7	15,5	4,5	37
VT1820-262406042	plug	B	OD6	54	14	12,3	15,7	15,5	4,5	34
VT1820-262406631	socket	B	OD6,35 (1/4)	54	14	18,3	15,7	15,5	4,5	37
VT1820-262406632	plug	B	OD6,35 (1/4)	54	14	12,3	15,7	15,5	4,5	34
VT1820-262406061	socket	B	OD8 (5/16)	57	17	18,3	15,7	18,5	6,5	40
VT1820-262406062	plug	B	OD8 (5/16)	57	17	12,3	15,7	18,5	6,5	37

## Adaptive insert with shut-off, 2 seals

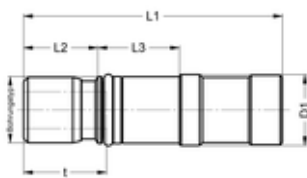


- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

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Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-242406021	socket	B	OD4 (5/32)	52	12	18,3	15,7	13,8	3	37
VT1820-242406022	plug	B	OD4 (5/32)	52	12	12,3	15,7	13,8	3	35
VT1820-242406041	socket	B	OD6	54	13,4	18,3	15,7	17,1	4,5	37
VT1820-242406042	plug	B	OD6	54	13,4	12,3	15,7	17,1	4,5	34
VT1820-242406061	socket	B	OD8 (5/16)	58	17,6	18,3	15,7	20,3	6,5	41
VT1820-242406062	plug	B	OD8 (5/16)	58	17,6	12,3	15,7	20,3	6,5	38

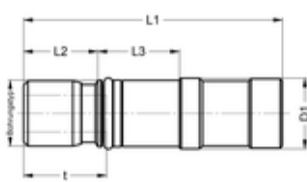
## Adaptive insert non-drip, 1 seal



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-262406021	socket	B	OD4 (5/32)	53	12,5	18,3	15,7	12,7	3	46
VT1825-262406022	plug	B	OD4 (5/32)	53	12,5	12,3	15,7	12,7	3	36
VT1825-262406041	socket	B	OD6	54	14	18,3	15,7	15,5	4,5	47
VT1825-262406042	plug	B	OD6	54	14	12,3	15,7	15,5	4,5	38
VT1825-262406631	socket	B	OD6,35 (1/4)	54	14	18,3	15,7	15,5	4,5	47
VT1825-262406632	plug	B	OD6,35 (1/4)	54	14	12,3	15,7	15,5	4,5	38
VT1825-262406061	socket	B	OD8 (5/16)	57	17	18,3	15,7	18,5	6,5	50
VT1825-262406062	plug	B	OD8 (5/16)	57	17	12,3	15,7	18,5	6,5	41

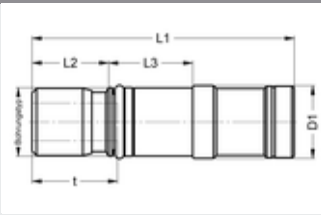
## Adaptive insert non-drip, 2 seals



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-242406021	socket	B	OD4 (5/32)	52	12	18,3	15,7	13,8	3	47
VT1825-242406022	plug	B	OD4 (5/32)	52	12	12,3	15,7	13,8	3	38
VT1825-242406041	socket	B	OD6	54	13,4	18,3	15,7	17,1	4,5	47
VT1825-242406042	plug	B	OD6	54	13,4	12,3	15,7	17,1	4,5	38
VT1825-242406061	socket	B	OD8 (5/16)	58	17,6	18,3	15,7	20,3	6,5	51
VT1825-242406062	plug	B	OD8 (5/16)	58	17,6	12,3	15,7	20,3	6,5	42

## Adaptive insert without shut-off, 1 seal

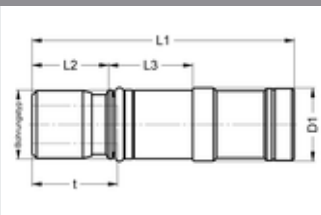


- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

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Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-092406021	socket	B	OD4 (5/32)	53	12,5	18,3	15,7	12,7	3	29
VT1821-092406022	plug	B	OD4 (5/32)	53	12,5	12,3	15,7	12,7	3	27
VT1821-092406041	socket	B	OD6	54	14	18,3	15,7	15,5	4,5	31
VT1821-092406042	plug	B	OD6	54	14	12,3	15,7	15,5	4,5	28
VT1821-092406631	socket	B	OD6,35 (1/4)	54	14	18,3	15,7	15,5	4,5	31
VT1821-092406632	plug	B	OD6,35 (1/4)	54	14	12,3	15,7	15,5	4,5	28
VT1821-092406061	socket	B	OD8 (5/16)	57	17	18,3	15,7	18,5	6,5	33
VT1821-092406062	plug	B	OD8 (5/16)	57	17	12,3	15,7	18,5	6,5	30

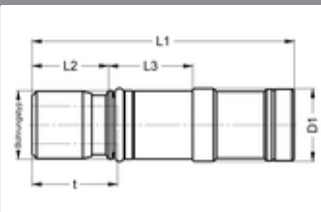
## Adaptive insert without shut-off, 2 seals



- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-172406021	socket	B	OD4 (5/32)	52	12	18,3	15,7	13,8	3	30
VT1821-172406022	plug	B	OD4 (5/32)	52	12	12,3	15,7	13,8	3	27
VT1821-172406041	socket	B	OD6	54	13,4	18,3	15,7	17,1	4,5	31
VT1821-172406042	plug	B	OD6	54	13,4	12,3	15,7	17,1	4,5	28
VT1821-172406061	socket	B	OD8 (5/16)	58	17,6	18,3	15,7	20,3	6,5	35
VT1821-172406062	plug	B	OD8 (5/16)	58	17,6	12,3	15,7	20,3	6,5	32

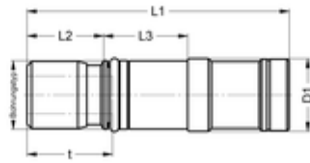
## Adaptive insert with shut-off, 1 seal



- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-092406021	socket	B	OD4 (5/32)	53	12,5	18,3	15,7	12,7	3	33
VT1820-092406022	plug	B	OD4 (5/32)	53	12,5	12,3	15,7	12,7	3	31
VT1820-092406041	socket	B	OD6	54	14	18,3	15,7	15,5	4,5	35
VT1820-092406042	plug	B	OD6	54	14	12,3	15,7	15,5	4,5	32
VT1820-092406631	socket	B	OD6,35 (1/4)	54	14	18,3	15,7	15,5	4,5	35
VT1820-092406632	plug	B	OD6,35 (1/4)	54	14	12,3	15,7	15,5	4,5	32
VT1820-092406061	socket	B	OD8 (5/16)	57	17	18,3	15,7	18,5	6,5	37
VT1820-092406062	plug	B	OD8 (5/16)	57	17	12,3	15,7	18,5	6,5	34

## Adaptive insert with shut-off, 2 seals

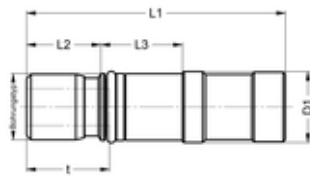


- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

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Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-172406021	socket	B	OD4 (5/32)	52	12	18,3	15,7	13,8	3	34
VT1820-172406022	plug	B	OD4 (5/32)	52	12	12,3	15,7	13,8	3	31
VT1820-172406041	socket	B	OD6	54	13,4	18,3	15,7	17,1	4,5	34
VT1820-172406042	plug	B	OD6	54	13,4	12,3	15,7	17,1	4,5	31
VT1820-172406061	socket	B	OD8 (5/16)	58	17,6	18,3	15,7	20,3	6,5	38
VT1820-172406062	plug	B	OD8 (5/16)	58	17,6	12,3	15,7	20,3	6,5	36

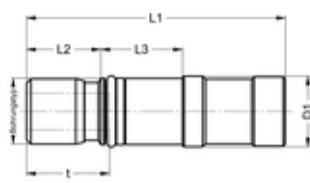
## Adaptive insert non-drip, 1 seal



- Seals FPM
- Material stainless steel AISI 316L (1.4404)
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-092406021	socket	B	OD4 (5/32)	53	12,5	18,3	15,7	12,7	3	43
VT1825-092406022	plug	B	OD4 (5/32)	53	12,5	12,3	15,7	12,7	3	33
VT1825-092406041	socket	B	OD6	54	14	18,3	15,7	15,5	4,5	44
VT1825-092406042	plug	B	OD6	54	14	12,3	15,7	15,5	4,5	35
VT1825-092406631	socket	B	OD6,35 (1/4)	54	14	18,3	15,7	15,5	4,5	44
VT1825-092406632	plug	B	OD6,35 (1/4)	54	14	12,3	15,7	15,5	4,5	35
VT1825-092406061	socket	B	OD8 (5/16)	57	17	18,3	15,7	18,5	6,5	46
VT1825-092406062	plug	B	OD8 (5/16)	57	17	12,3	15,7	18,5	6,5	38

## Adaptive insert non-drip, 2 seals

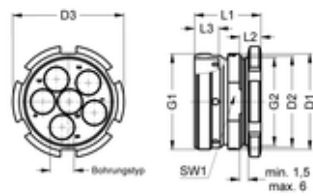


- Seals FPM
- Material stainless steel AISI 316L (1.4404)
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-172406021	socket	B	OD4 (5/32)	52	12	18,3	15,7	13,8	3	44
VT1825-172406022	plug	B	OD4 (5/32)	52	12	12,3	15,7	13,8	3	33
VT1825-172406041	socket	B	OD6	54	13,4	18,3	15,7	17,1	4,5	43
VT1825-172406042	plug	B	OD6	54	13,4	12,3	15,7	17,1	4,5	34
VT1825-172406061	socket	B	OD8 (5/16)	58	17,6	18,3	15,7	20,3	6,5	47
VT1825-172406062	plug	B	OD8 (5/16)	58	17,6	12,3	15,7	20,3	6,5	40



## Body socket

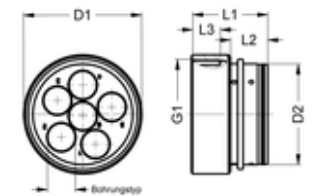


- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material Al nickel-plated
- G2 fits to D1 of the Angle bracket 1850-...

ADAPTIV

Part no.	Design	Type of bore	L1	L2	L3	G1	G2	D1	D2	D3	SW1	g/piece
1850-040801	4-fold	C	41,8	13,4	15,3	M60X1,5	M54x1	60	56	68	55	144
1850-060801	6-fold	C	41,8	13,4	15,3	M70X1,5	M65x1	70	66	78	65	177

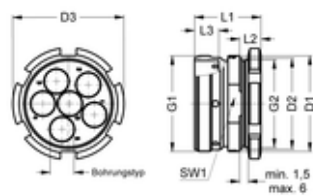
## Body plug



- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material Al nickel-plated
- D2 fits to D2 of the Hose bundle

Part no.	Design	Type of bore	L1	L2	L3	G1	D1	D2	g/piece
1850-040802	4-fold	C	41,3	20,5	15,3	M60X1,5	65	55	177
1850-060802	6-fold	C	41,3	20,5	15,3	M70X1,5	74	65	221

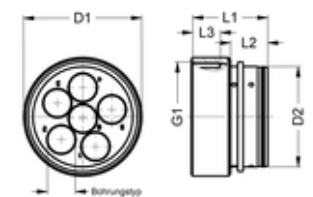
## Body socket



- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material AISI 316L (1.4404)
- G2 fits to D1 of the Angle bracket 1850-...

Part no.	Design	Type of bore	L1	L2	L3	G1	G2	D1	D2	D3	SW1	g/piece
1851-040801	4-fold	C	41,8	13,4	15,3	M60X1,5	M54x1	60	56	68	55	408
1851-060801	6-fold	C	41,8	13,4	15,3	M70X1,5	M65x1	70	66	78	65	502

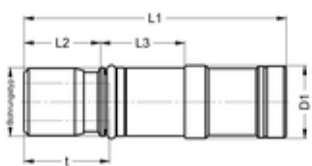
## Body plug



- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material AISI 316L (1.4404)
- D2 fits to D2 of the Hose bundle

Part no.	Design	Type of bore	L1	L2	L3	G1	D1	D2	g/piece
1851-040802	4-fold	C	41,3	20,5	15,3	M60X1,5	65	55	502
1851-060802	6-fold	C	41,3	20,5	15,3	M70X1,5	74	65	627

## Adaptive insert without shut-off, 1 seal

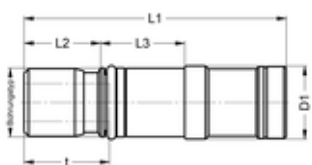


- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

ADAPTIV

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-062408951	socket	C	OD9,5 (3/8)	60	19,5	18,3	19,5	21,3	6,5	54
VT1821-062408952	plug	C	OD9,5 (3/8)	60	19,5	12,3	19,5	21,3	6,5	52
VT1821-062408081	socket	C	OD10	60	19,5	18,3	19,5	21,3	8,5	54
VT1821-062408082	plug	C	OD10	60	19,5	12,3	19,5	21,3	8,5	51
VT1821-062408041	socket	C	OD6	56	15,5	18,3	19,5	15,5	4,5	50
VT1821-062408042	plug	C	OD6	56	15,5	12,3	19,5	15,5	4,5	47
VT1821-062408631	socket	C	OD6,35 (1/4)	56	15,5	18,3	19,5	15,5	4,5	50
VT1821-062408632	plug	C	OD6,35 (1/4)	56	15,5	12,3	19,5	15,5	4,5	48
VT1821-062408061	socket	C	OD8 (5/16)	58	17,5	18,3	19,5	18,5	6,5	53
VT1821-062408062	plug	C	OD8 (5/16)	58	17,5	12,3	19,5	18,5	6,5	50

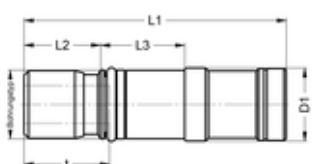
## Adaptive insert without shut-off, 2 seals



- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-142408041	socket	C	OD6	55	15	18,3	19,5	17,1	4,5	49
VT1821-142408042	plug	C	OD6	55	15	12,3	19,5	17,1	4,5	44
VT1821-142408061	socket	C	OD8 (5/16)	57	17	18,3	19,5	20,3	6,5	52
VT1821-142408062	plug	C	OD8 (5/16)	57	17	12,3	19,5	20,3	6,5	50
VT1821-142408081	socket	C	OD10	59	19	18,3	19,5	23,4	8,5	54
VT1821-142408082	plug	C	OD10	59	19	12,3	19,5	23,4	8,5	52

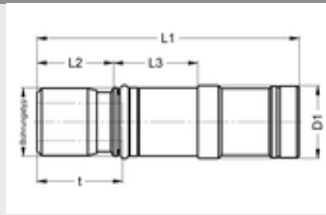
## Adaptive insert with shut-off, 1 seal



- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-062408951	socket	C	OD9,5 (3/8)	60	19,5	18,3	19,5	21,3	6,5	60
VT1820-062408952	plug	C	OD9,5 (3/8)	60	19,5	12,3	19,5	21,3	6,5	57
VT1820-062408081	socket	C	OD10	60	19,5	18,3	19,5	21,3	8,5	60
VT1820-062408082	plug	C	OD10	60	19,5	12,3	19,5	21,3	8,5	57
VT1820-062408041	socket	C	OD6	56	15,5	18,3	19,5	15,5	4,5	55
VT1820-062408042	plug	C	OD6	56	15,5	12,3	19,5	15,5	4,5	53
VT1820-062408631	socket	C	OD6,35 (1/4)	56	15,5	18,3	19,5	15,5	4,5	56
VT1820-062408632	plug	C	OD6,35 (1/4)	56	15,5	12,3	19,5	15,5	4,5	53
VT1820-062408061	socket	C	OD8 (5/16)	58	17,5	18,3	19,5	18,5	6,5	59
VT1820-062408062	plug	C	OD8 (5/16)	58	17,5	12,3	19,5	18,5	6,5	56

## Adaptive insert with shut-off, 2 seals

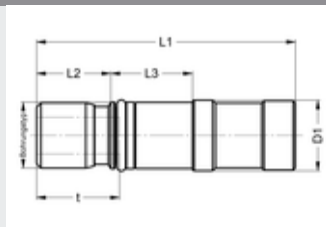


- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-142408041	socket	C	OD6	55	15	18,3	19,5	17,1	4,5	57
VT1820-142408042	plug	C	OD6	55	15	12,3	19,5	17,1	4,5	55
VT1820-142408061	socket	C	OD8 (5/16)	57	17	18,3	19,5	20,3	6,5	61
VT1820-142408062	plug	C	OD8 (5/16)	57	17	12,3	19,5	20,3	6,5	59
VT1820-142408081	socket	C	OD10	59	19	18,3	19,5	23,4	8,5	63
VT1820-142408082	plug	C	OD10	59	19	12,3	19,5	23,4	8,5	61

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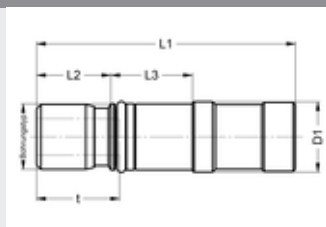
## Adaptive insert non-drip, 1 seal



- Seals FPM
- Material brass nickel-plated
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-062408041	socket	C	OD6	56	15,5	18,3	19,5	15,5	4,5	65
VT1825-062408042	plug	C	OD6	56	15,5	12,3	19,5	15,5	4,5	57
VT1825-062408631	socket	C	OD6,35 (1/4)	56	15,5	18,3	19,5	15,5	4,5	65
VT1825-062408632	plug	C	OD6,35 (1/4)	56	15,5	12,3	19,5	15,5	4,5	57
VT1825-062408061	socket	C	OD8 (5/16)	58	17,5	18,3	19,5	18,5	6,5	68
VT1825-062408062	plug	C	OD8 (5/16)	58	17,5	12,3	19,5	18,5	6,5	60
VT1825-062408951	socket	C	OD9,5 (3/8)	60	19,5	18,3	19,5	21,3	6,5	69
VT1825-062408952	plug	C	OD9,5 (3/8)	60	19,5	12,3	19,5	21,3	6,5	61
VT1825-062408081	socket	C	OD10	60	19,5	18,3	19,5	21,3	8,5	69
VT1825-062408082	plug	C	OD10	60	19,5	12,3	19,5	21,3	8,5	61

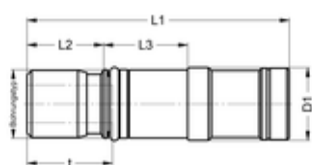
## Adaptive insert non-drip, 2 seals



- Seals FPM
- Material brass nickel-plated
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-142408041	socket	C	OD6	55	15	18,3	19,5	17,1	4,5	67
VT1825-142408042	plug	C	OD6	55	15	12,3	19,5	17,1	4,5	59
VT1825-142408061	socket	C	OD8 (5/16)	57	17	18,3	19,5	20,3	6,5	70
VT1825-142408062	plug	C	OD8 (5/16)	57	17	12,3	19,5	20,3	6,5	63
VT1825-142408081	socket	C	OD10	59	19	18,3	19,5	23,4	8,5	72
VT1825-142408082	plug	C	OD10	59	19	12,3	19,5	23,4	8,5	65

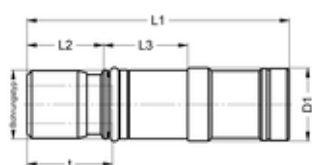
## Adaptive insert without shut-off, 1 seal



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-262408951	socket	C	OD9,5 (3/8)	60	19,5	18,3	19,5	21,3	6,5	54
VT1821-262408952	plug	C	OD9,5 (3/8)	60	19,5	12,3	19,5	21,3	6,5	52
VT1821-262408081	socket	C	OD10	60	19,5	18,3	19,5	21,3	8,5	54
VT1821-262408082	plug	C	OD10	60	19,5	12,3	19,5	21,3	8,5	51
VT1821-262408041	socket	C	OD6	56	15,5	18,3	19,5	15,5	4,5	50
VT1821-262408042	plug	C	OD6	56	15,5	12,3	19,5	15,5	4,5	47
VT1821-262408631	socket	C	OD6,35 (1/4)	56	15,5	18,3	19,5	15,5	4,5	50
VT1821-262408632	plug	C	OD6,35 (1/4)	56	15,5	12,3	19,5	15,5	4,5	48
VT1821-262408061	socket	C	OD8 (5/16)	58	17,5	18,3	19,5	18,5	6,5	53
VT1821-262408062	plug	C	OD8 (5/16)	58	17,5	12,3	19,5	18,5	6,5	50

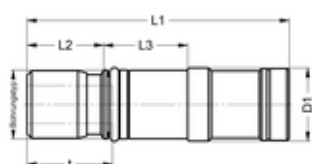
## Adaptive insert without shut-off, 2 seals



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-242408041	socket	C	OD6	55	15	18,3	19,5	17,1	4,5	49
VT1821-242408042	plug	C	OD6	55	15	12,3	19,5	17,1	4,5	44
VT1821-242408061	socket	C	OD8 (5/16)	57	17	18,3	19,5	20,3	6,5	52
VT1821-242408062	plug	C	OD8 (5/16)	57	17	12,3	19,5	20,3	6,5	50
VT1821-242408081	socket	C	OD10	59	19	18,3	19,5	23,4	8,5	54
VT1821-242408082	plug	C	OD10	59	19	12,3	19,5	23,4	8,5	52

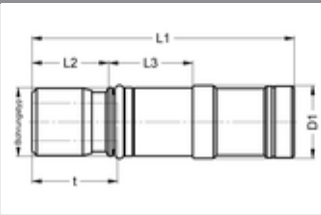
## Adaptive insert with shut-off, 1 seal



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-262408951	socket	C	OD9,5 (3/8)	60	19,5	18,3	19,5	21,3	6,5	60
VT1820-262408952	plug	C	OD9,5 (3/8)	60	19,5	12,3	19,5	21,3	6,5	57
VT1820-262408081	socket	C	OD10	60	19,5	18,3	19,5	21,3	8,5	60
VT1820-262408082	plug	C	OD10	60	19,5	12,3	19,5	21,3	8,5	57
VT1820-262408041	socket	C	OD6	56	15,5	18,3	19,5	15,5	4,5	56
VT1820-262408042	plug	C	OD6	56	15,5	12,3	19,5	15,5	4,5	53
VT1820-262408631	socket	C	OD6,35 (1/4)	56	15,5	18,3	19,5	15,5	4,5	56
VT1820-262408632	plug	C	OD6,35 (1/4)	56	15,5	12,3	19,5	15,5	4,5	53
VT1820-262408061	socket	C	OD8 (5/16)	58	17,5	18,3	19,5	18,5	6,5	58
VT1820-262408062	plug	C	OD8 (5/16)	58	17,5	12,3	19,5	18,5	6,5	55

## Adaptive insert with shut-off, 2 seals

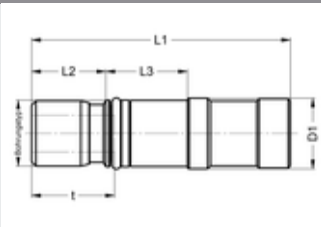


- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-242408041	socket	C	OD6	55	15	18,3	19,5	17,1	4,5	57
VT1820-242408042	plug	C	OD6	55	15	12,3	19,5	17,1	4,5	55
VT1820-242408061	socket	C	OD8 (5/16)	57	17	18,3	19,5	20,3	6,5	61
VT1820-242408062	plug	C	OD8 (5/16)	57	17	12,3	19,5	20,3	6,5	59
VT1820-242408081	socket	C	OD10	59	19	18,3	19,5	23,4	8,5	63
VT1820-242408082	plug	C	OD10	59	19	12,3	19,5	23,4	8,5	61

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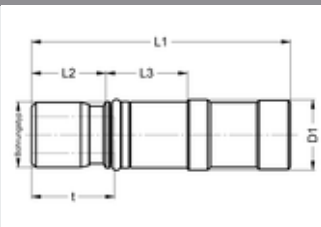
## Adaptive insert non-drip, 1 seal



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-262408041	socket	C	OD6	56	15,5	18,3	19,5	15,5	4,5	65
VT1825-262408042	plug	C	OD6	56	15,5	12,3	19,5	15,5	4,5	57
VT1825-262408631	socket	C	OD6,35 (1/4)	56	15,5	18,3	19,5	15,5	4,5	65
VT1825-262408632	plug	C	OD6,35 (1/4)	56	15,5	12,3	19,5	15,5	4,5	57
VT1825-262408061	socket	C	OD8 (5/16)	58	17,5	18,3	19,5	18,5	6,5	68
VT1825-262408062	plug	C	OD8 (5/16)	58	17,5	12,3	19,5	18,5	6,5	60
VT1825-262408951	socket	C	OD9,5 (3/8)	60	19,5	18,3	19,5	21,3	6,5	69
VT1825-262408952	plug	C	OD9,5 (3/8)	60	19,5	12,3	19,5	21,3	6,5	61
VT1825-262408081	socket	C	OD10	60	19,5	18,3	19,5	21,3	8,5	69
VT1825-262408082	plug	C	OD10	60	19,5	12,3	19,5	21,3	8,5	61

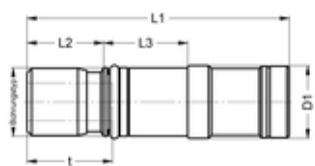
## Adaptive insert non-drip, 2 seals



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-242408041	socket	C	OD6	55	15	18,3	19,5	17,1	4,5	67
VT1825-242408042	plug	C	OD6	55	15	12,3	19,5	17,1	4,5	59
VT1825-242408061	socket	C	OD8 (5/16)	57	17	18,3	19,5	20,3	6,5	70
VT1825-242408062	plug	C	OD8 (5/16)	57	17	12,3	19,5	20,3	6,5	63
VT1825-242408081	socket	C	OD10	59	19	18,3	19,5	23,4	8,5	72
VT1825-242408082	plug	C	OD10	59	19	12,3	19,5	23,4	8,5	65

## Adaptive insert without shut-off, 1 seal

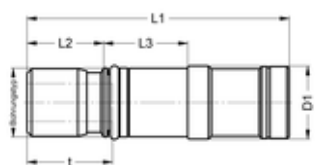


- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

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Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-092408951	socket	C	OD9,5 (3/8)	60	19,5	18,3	19,5	21,3	6,5	50
VT1821-092408952	plug	C	OD9,5 (3/8)	60	19,5	12,3	19,5	21,3	6,5	48
VT1821-092408081	socket	C	OD10	60	19,5	18,3	19,5	21,3	8,5	50
VT1821-092408082	plug	C	OD10	60	19,5	12,3	19,5	21,3	8,5	47
VT1821-092408041	socket	C	OD6	56	15,5	18,3	19,5	15,5	4,5	46
VT1821-092408042	plug	C	OD6	56	15,5	12,3	19,5	15,5	4,5	44
VT1821-092408631	socket	C	OD6,35 (1/4)	56	15,5	18,3	19,5	15,5	4,5	47
VT1821-092408632	plug	C	OD6,35 (1/4)	56	15,5	12,3	19,5	15,5	4,5	44
VT1821-092408061	socket	C	OD8 (5/16)	58	17,5	18,3	19,5	18,5	6,5	49
VT1821-092408062	plug	C	OD8 (5/16)	58	17,5	12,3	19,5	18,5	6,5	46

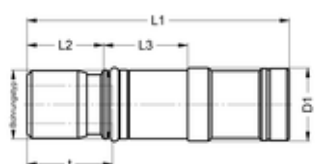
## Adaptive insert without shut-off, 2 seals



- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-172408041	socket	C	OD6	55	15	18,3	19,5	17,1	4,5	46
VT1821-172408042	plug	C	OD6	55	15	12,3	19,5	17,1	4,5	44
VT1821-172408061	socket	C	OD8 (5/16)	57	17	18,3	19,5	20,3	6,5	49
VT1821-172408062	plug	C	OD8 (5/16)	57	17	12,3	19,5	20,3	6,5	46
VT1821-172408081	socket	C	OD10	59	19	18,3	19,5	23,4	8,5	51
VT1821-172408082	plug	C	OD10	59	19	12,3	19,5	23,4	8,5	48

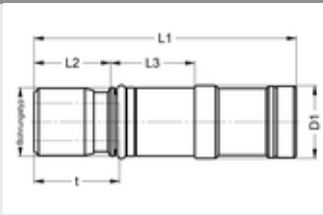
## Adaptive insert with shut-off, 1 seal



- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-092408951	socket	C	OD9,5 (3/8)	60	19,5	18,3	19,5	21,3	6,5	56
VT1820-092408952	plug	C	OD9,5 (3/8)	60	19,5	12,3	19,5	21,3	6,5	53
VT1820-092408081	socket	C	OD10	60	19,5	18,3	19,5	21,3	8,5	55
VT1820-092408082	plug	C	OD10	60	19,5	12,3	19,5	21,3	8,5	52
VT1820-092408041	socket	C	OD6	56	15,5	18,3	19,5	15,5	4,5	53
VT1820-092408042	plug	C	OD6	56	15,5	12,3	19,5	15,5	4,5	50
VT1820-092408631	socket	C	OD6,35 (1/4)	56	15,5	18,3	19,5	15,5	4,5	53
VT1820-092408632	plug	C	OD6,35 (1/4)	56	15,5	12,3	19,5	15,5	4,5	50
VT1820-092408061	socket	C	OD8 (5/16)	58	17,5	18,3	19,5	18,5	6,5	54
VT1820-092408062	plug	C	OD8 (5/16)	58	17,5	12,3	19,5	18,5	6,5	51

## Adaptive insert with shut-off, 2 seals

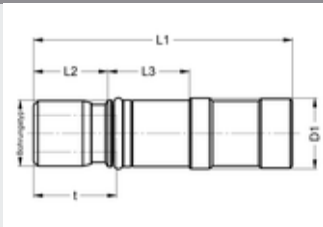


- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-172408041	socket	C	OD6	55	15	18,3	19,5	17,1	4,5	52
VT1820-172408042	plug	C	OD6	55	15	12,3	19,5	17,1	4,5	50
VT1820-172408061	socket	C	OD8 (5/16)	57	17	18,3	19,5	20,3	6,5	55
VT1820-172408062	plug	C	OD8 (5/16)	57	17	12,3	19,5	20,3	6,5	52
VT1820-172408081	socket	C	OD10	59	19	18,3	19,5	23,4	8,5	56
VT1820-172408082	plug	C	OD10	59	19	12,3	19,5	23,4	8,5	53

ADAPTIV

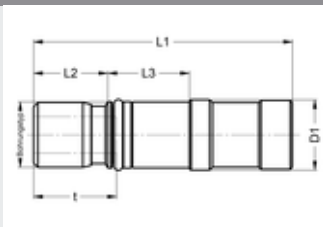
## Adaptive insert non-drip, 1 seal



- Seals FPM
- Material stainless steel AISI 316L (1.4404)
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-092408041	socket	C	OD6	56	15,5	18,3	19,5	15,5	4,5	60
VT1825-092408042	plug	C	OD6	56	15,5	12,3	19,5	15,5	4,5	53
VT1825-092408631	socket	C	OD6,35 (1/4)	56	15,5	18,3	19,5	15,5	4,5	60
VT1825-092408632	plug	C	OD6,35 (1/4)	56	15,5	12,3	19,5	15,5	4,5	53
VT1825-092408061	socket	C	OD8 (5/16)	58	17,5	18,3	19,5	18,5	6,5	63
VT1825-092408062	plug	C	OD8 (5/16)	58	17,5	12,3	19,5	18,5	6,5	56
VT1825-092408951	socket	C	OD9,5 (3/8)	60	19,5	18,3	19,5	21,3	6,5	64
VT1825-092408952	plug	C	OD9,5 (3/8)	60	19,5	12,3	19,5	21,3	6,5	57
VT1825-092408081	socket	C	OD10	60	19,5	18,3	19,5	21,3	8,5	64
VT1825-092408082	plug	C	OD10	60	19,5	12,3	19,5	21,3	8,5	57

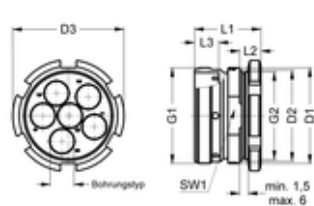
## Adaptive insert non-drip, 2 seals



- Seals FPM
- Material stainless steel AISI 316L (1.4404)
- Working temperature 32 to 248 °F (0 to +120 °C)
- Assembling temperature 32 to 122 (0 to 50 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1825-172408041	socket	C	OD6	55	15	18,3	19,5	17,1	4,5	59
VT1825-172408042	plug	C	OD6	55	15	12,3	19,5	17,1	4,5	53
VT1825-172408061	socket	C	OD8 (5/16)	57	17	18,3	19,5	20,3	6,5	64
VT1825-172408062	plug	C	OD8 (5/16)	57	17	12,3	19,5	20,3	6,5	57
VT1825-172408081	socket	C	OD10	59	19	18,3	19,5	23,4	8,5	65
VT1825-172408082	plug	C	OD10	59	19	12,3	19,5	23,4	8,5	58

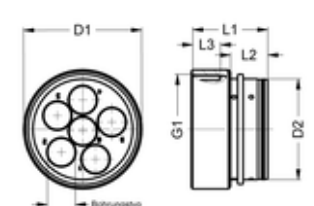
## Body socket



- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material Al nickel-plated
- G2 fits to D1 of the Angle bracket 1850-...

Part no.	Design	Type of bore	L1	L2	L3	G1	G2	D1	D2	D3	SW1	g/piece
1850-041101	4-fold	D	41,8	13,4	15,3	M73X1,5	M70x1	75	71	83	83	199

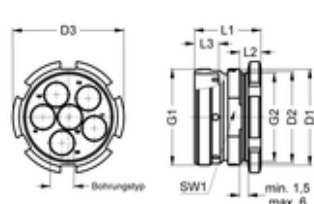
## Body plug



- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material Al nickel-plated
- D2 fits to D2 of the Hose bundle

Part no.	Design	Type of bore	L1	L2	L3	G1	D1	D2	g/piece
1850-041102	4-fold	D	41,3	20,5	15,3	M73X1,5	78	68	228

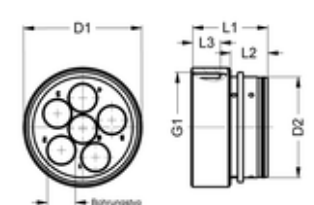
## Body socket



- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material AISI 316L (1.4404)
- G2 fits to D1 of the Angle bracket 1850-...

Part no.	Design	Type of bore	L1	L2	L3	G1	G2	D1	D2	D3	SW1	g/piece
1851-041101	4-fold	D	41,8	13,4	15,3	M73X1,5	M70x1	75	71	83	83	565

## Body plug



- Fits to Eisele Adaptive insets
- Can be assembled as bulkhead
- Material AISI 316L (1.4404)
- D2 fits to D2 of the Hose bundle

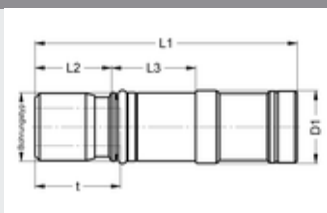
Part no.	Design	Type of bore	L1	L2	L3	G1	D1	D2	g/piece
1851-041102	4-fold	D	41,3	20,5	15,3	M73X1,5	78	68	647

ADAPTIV

EISELE MULTILINE



## Adaptive insert without shut-off, 1 seal

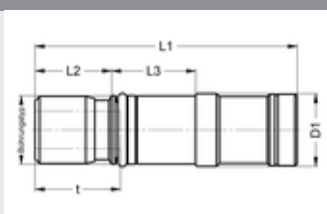


- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

ADAPTIV

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-062411061	socket	D	OD8 (5/16)	60	19,4	18,3	25,7	18,5	6,5	78
VT1821-062411062	plug	D	OD8 (5/16)	60	19,4	12,3	25,7	18,5	6,5	75
VT1821-062411091	socket	D	OD12	63	23	18,3	25,7	26	9,5	83
VT1821-062411092	plug	D	OD12	63	23	12,3	25,7	26	9,5	80
VT1821-062411111	socket	D	OD14	66	26	18,3	25,7	28,5	11,5	87
VT1821-062411112	plug	D	OD14	66	26	12,3	25,7	28,5	11,5	84

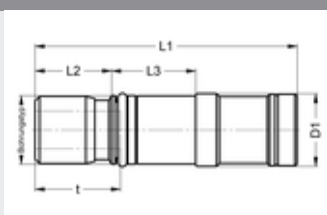
## Adaptive insert without shut-off, 2 seals



- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-142411111	socket	D	OD14	70	30	18,3	25,7	32,3	11,5	89
VT1821-142411112	plug	D	OD14	70	30	12,3	25,7	32,3	11,5	86
VT1821-142411091	socket	D	OD12	65	25	18,3	25,7	28,4	9,5	85
VT1821-142411092	plug	D	OD12	65	25	12,3	25,7	28,4	9,5	82

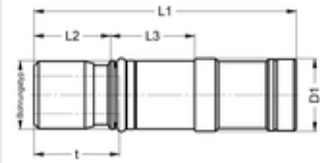
## Adaptive insert with shut-off, 1 seal



- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-062411061	socket	D	OD8 (5/16)	60	19,4	18,3	25,7	18,5	6,5	90
VT1820-062411062	plug	D	OD8 (5/16)	60	19,4	12,3	25,7	18,5	6,5	89
VT1820-062411091	socket	D	OD12	63	23	18,3	25,7	26	9,5	94
VT1820-062411092	plug	D	OD12	63	23	12,3	25,7	26	9,5	94
VT1820-062411111	socket	D	OD14	66	26	18,3	25,7	28,5	11,5	98
VT1820-062411112	plug	D	OD14	66	26	12,3	25,7	28,5	11,5	97

## Adaptive insert with shut-off, 2 seals

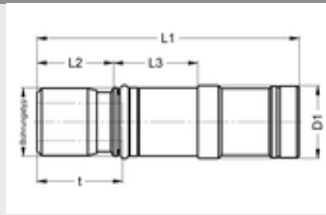


- Seals FPM
- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

ADAPTIV

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-142411111	socket	D	OD14	70	30	18,3	25,7	32,3	11,5	106
VT1820-142411112	plug	D	OD14	70	30	12,3	25,7	32,3	11,5	107
VT1820-142411091	socket	D	OD12	65	25	18,3	25,7	28,4	9,5	102
VT1820-142411092	plug	D	OD12	65	25	12,3	25,7	28,4	9,5	103

## Adaptive insert without shut-off, 1 seal

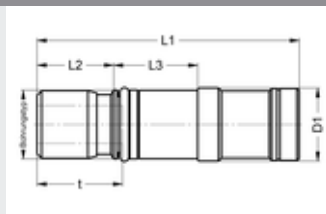


- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

ADAPTIV

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-262411091	socket	D	OD12	63	23	18,3	25,7	26	9,5	83
VT1821-262411092	plug	D	OD12	63	23	12,3	25,7	26	9,5	80
VT1821-262411111	socket	D	OD14	66	26	18,3	25,7	28,5	11,5	87
VT1821-262411112	plug	D	OD14	66	26	12,3	25,7	28,5	11,5	84

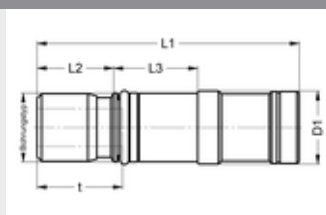
## Adaptive insert without shut-off, 2 seals



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-242411111	socket	D	OD14	70	30	18,3	25,7	32,3	11,5	89
VT1821-242411112	plug	D	OD14	70	30	12,3	25,7	32,3	11,5	86
VT1821-242411091	socket	D	OD12	65	25	18,3	25,7	28,4	9,5	85
VT1821-242411092	plug	D	OD12	65	25	12,3	25,7	28,4	9,5	82

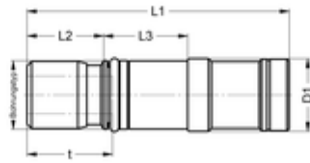
## Adaptive insert with shut-off, 1 seal



- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-262411091	socket	D	OD12	63	23	18,3	25,7	26	9,5	94
VT1820-262411092	plug	D	OD12	63	23	12,3	25,7	26	9,5	94
VT1820-262411111	socket	D	OD14	66	26	18,3	25,7	28,5	11,5	98
VT1820-262411112	plug	D	OD14	66	26	12,3	25,7	28,5	11,5	97

## Adaptive insert with shut-off, 2 seals

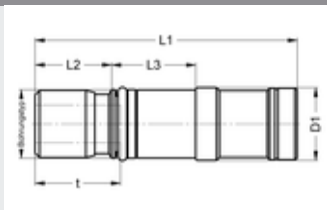


- Seals FPM
- Material with media contact: Brass, dezincification resistant
- Material without media contact: Brass
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

ADAPTIV

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-242411111	socket	D	OD14	70	30	18,3	25,7	32,3	11,5	106
VT1820-242411112	plug	D	OD14	70	30	12,3	25,7	32,3	11,5	107
VT1820-242411091	socket	D	OD12	65	25	18,3	25,7	28,4	9,5	102
VT1820-242411092	plug	D	OD12	65	25	12,3	25,7	28,4	9,5	103

## Adaptive insert without shut-off, 1 seal

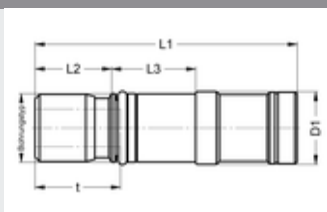


- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)
- Suitable for vacuum

ADAPTIV

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-092411061	socket	D	OD8 (5/16)	60	19,4	18,3	25,7	18,5	6,5	72
VT1821-092411062	plug	D	OD8 (5/16)	60	19,4	12,3	25,7	18,5	6,5	70
VT1821-092411091	socket	D	OD12	63	23	18,3	25,7	26	9,5	77
VT1821-092411092	plug	D	OD12	63	23	12,3	25,7	26	9,5	74
VT1821-092411111	socket	D	OD14	66	26	18,3	25,7	28,5	11,5	80
VT1821-092411112	plug	D	OD14	66	26	12,3	25,7	28,5	11,5	77

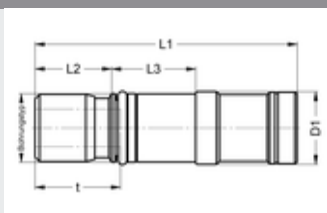
## Adaptive insert without shut-off, 2 seals



- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 348 psi (-0,8 to 24 bar)
- Suitable for vacuum

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1821-172411111	socket	D	OD14	70	30	18,3	25,7	32,3	11,5	83
VT1821-172411112	plug	D	OD14	70	30	12,3	25,7	32,3	11,5	80
VT1821-172411091	socket	D	OD12	65	25	18,3	25,7	28,4	9,5	80
VT1821-172411092	plug	D	OD12	65	25	12,3	25,7	28,4	9,5	77

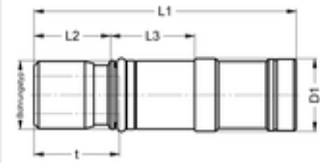
## Adaptive insert with shut-off, 1 seal



- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)
- Vacuum version upon request

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-092411061	socket	D	OD8 (5/16)	60	19,4	18,3	25,7	18,5	6,5	83
VT1820-092411062	plug	D	OD8 (5/16)	60	19,4	12,3	25,7	18,5	6,5	82
VT1820-092411091	socket	D	OD12	63	23	18,3	25,7	26	9,5	87
VT1820-092411092	plug	D	OD12	63	23	12,3	25,7	26	9,5	87
VT1820-092411111	socket	D	OD14	66	26	18,3	25,7	28,5	11,5	90
VT1820-092411112	plug	D	OD14	66	26	12,3	25,7	28,5	11,5	90

## Adaptive insert with shut-off, 2 seals

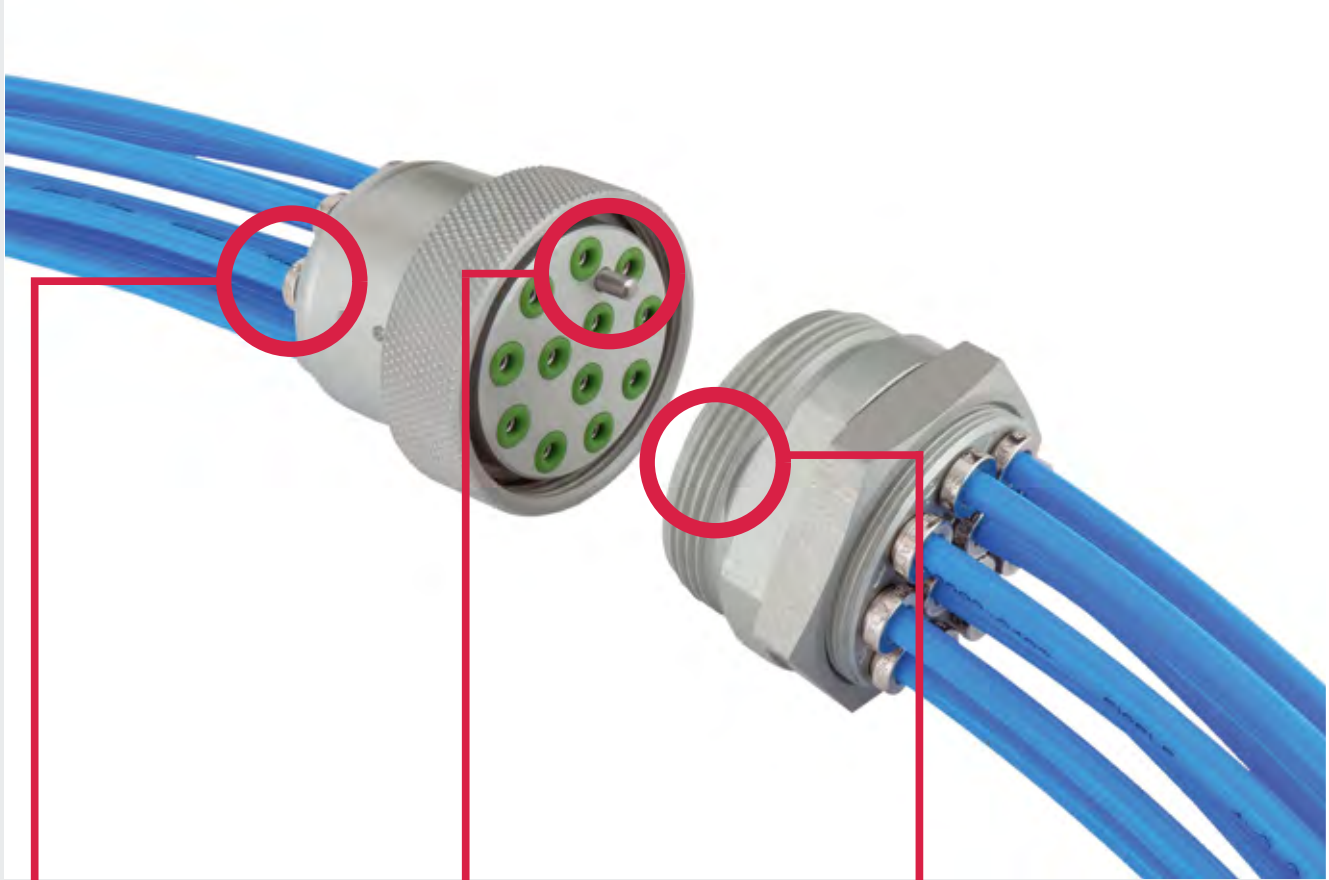


- Sealing FPM
- Material AISI 316L (1.4404)
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 348 psi (0 to 24 bar)
- Vacuum version upon request

ADAPTIV

Part no.	Design	fits to the body with bore type	for tube	L1	L2	L3	D1	t	NW	g/piece
VT1820-172411091	socket	D	OD12	65	25	18,3	25,7	28,4	9,5	90
VT1820-172411092	plug	D	OD12	65	25	12,3	25,7	28,4	9,5	90
VT1820-172411111	socket	D	OD14	70	30	18,3	25,7	32,3	11,5	93
VT1820-172411112	plug	D	OD14	70	30	12,3	25,7	32,3	11,5	93
VT1820-172411041	socket	D	OD6	57	16,3	18,3	15,7	17,1	4,5	81
VT1820-172411042	plug	D	OD6	57	16,3	12,3	15,7	17,1	4,5	81

## Series 1800 - Multiple couplings without shut-off



1800

### Low Total costs

- Fully mounted delivery
- Quick connection for hose mounting
- Full hose passage

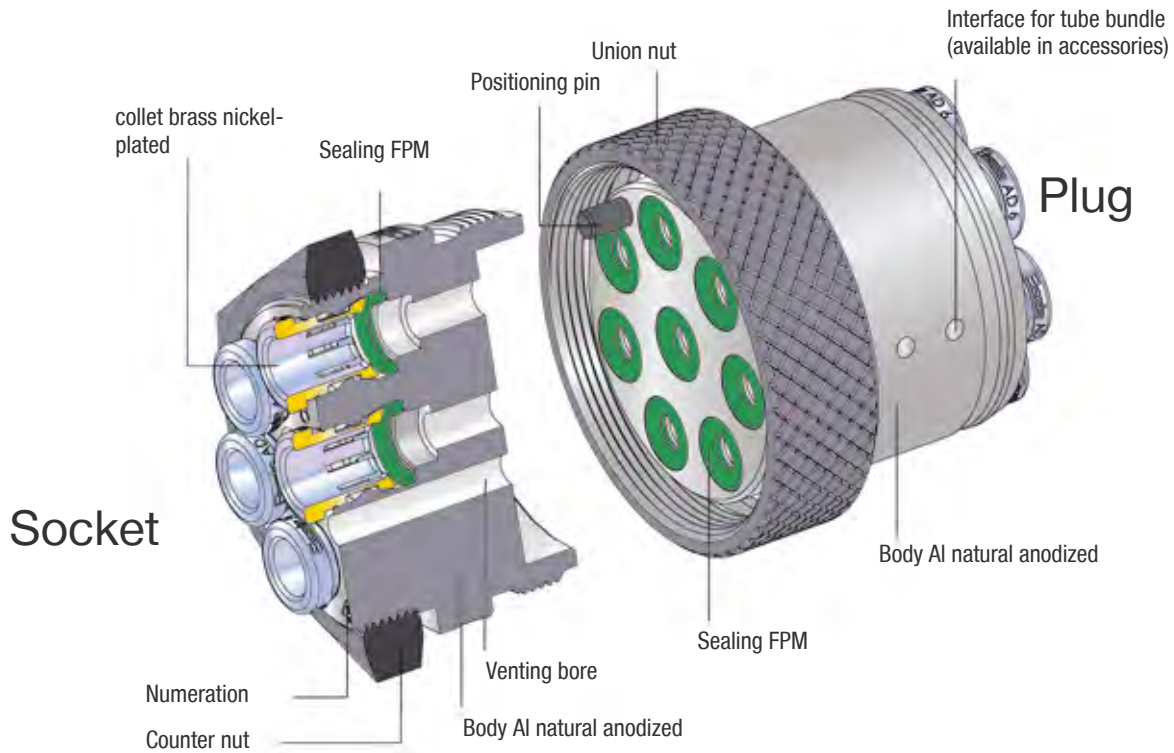
### High-quality Processing

- Metal housing
- Made in Germany
- Exclusive design

### Time- and Space-saving

- Space-optimized construction
- Patented quick connections
- Assembly errors will be prevented through the use of positioning pins

## Functional principle



The hoses are inserted into the numbered quick-connect couplings. The hoses are held securely in the housing by the collets. Even after a long period of time, the hoses can be released and re-inserted easily without any damage.

The positioning pin is used to locate the correct position when connecting the coupling. The two halves of the coupling are connected securely using the union nut.

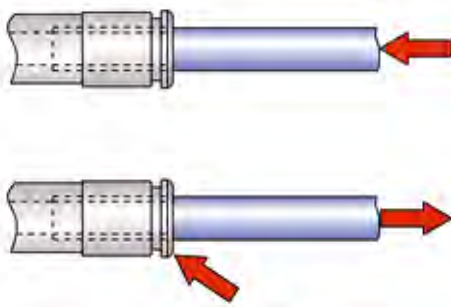
## Range of application

- Apparatus engineering
- Mechanical engineering
- Plant engineering

## Service conditions

- Temperature range: -4 to 248 °F (-20 to +120°C)
- Working pressure range -14 to 232 psi (-0.95 to 16 bar)
- Very fast and easy assembly
- Disassembly without tools possible
- Full hose passage
- Qualified for compressed air
- use with liquids on request

## Handling



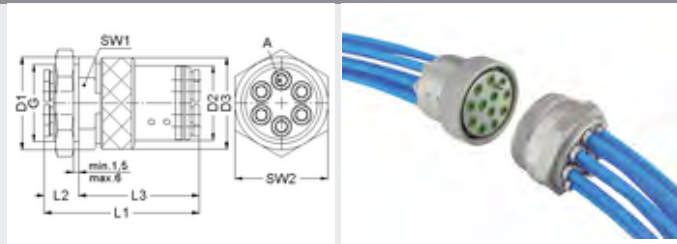
Assembly: Push tube into the connector up to the limit stop

Disassembly: Push release sleeve, pull out tube



## Multiple coupling without shut-off

- Plug connectors Series 15
- Can be assembled as bulkhead
- Sealing FPM
- Material Al natural anodized, brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -14 to 232 psi (-0.95 to 16 bar)



Part no.	Assembly	Design	for tube	L1	L2	L3	G	D1	D2	D3	SW1	SW2	NW	g/piece
VT1800-0402	complete	4-fold	OD4 (5/32)	59	13,5	45,5	M23x1	29	23	30	23	27	2,5	77
VT1800-040201	socket	4-fold	OD4 (5/32)											11
VT1800-040202	plug	4-fold	OD4 (5/32)											11
VT1800-0404	complete	4-fold	OD6	59	13,5	45,5	M30x1	36	29	35,5	30	36	4	117
VT1800-040401	socket	4-fold	OD6											12
VT1800-040402	plug	4-fold	OD6											12
VT1800-0406	complete	4-fold	OD8 (5/16)	59,5	13,5	46	M36x1	42	36	44	36	41	6	167
VT1800-040601	socket	4-fold	OD8 (5/16)											13
VT1800-040602	plug	4-fold	OD8 (5/16)											13
VT1800-0409	complete	4-fold	OD12	67,5	18	49,5	M52x1	62	51	SW60	-	58	9	408
VT1800-040901	socket	4-fold	OD12											
VT1800-040902	plug	4-fold	OD12											
VT1800-0602	complete	6-fold	OD4 (5/32)	59	13,5	45,5	M30x1	36	29	35,5	30	36	2,5	116
VT1800-060201	socket	6-fold	OD4 (5/32)											14
VT1800-060202	plug	6-fold	OD4 (5/32)											14
VT1800-0604	complete	6-fold	OD6	59	13,5	45,5	M36x1	42	34	44	36	41	4	170
VT1800-060401	socket	6-fold	OD6											15
VT1800-060402	plug	6-fold	OD6											15
VT1800-0606	complete	6-fold	OD8 (5/16)	59,5	13,5	46	M50x1	55	48	55	50	55	6	295
VT1800-060601	socket	6-fold	OD8 (5/16)											16
VT1800-060602	plug	6-fold	OD8 (5/16)											16
VT1800-0802	complete	8-fold	OD4 (5/32)	59	13,5	45,5	M30x1	36	29	35,5	30	36	2,5	116
VT1800-080201	socket	8-fold	OD4 (5/32)											17
VT1800-080202	plug	8-fold	OD4 (5/32)											17
VT1800-0804	complete	8-fold	OD6	59	13,5	45,5	M36x1	42	36	44	36	41	4	169
VT1800-080401	socket	8-fold	OD6											18
VT1800-080402	plug	8-fold	OD6											18
VT1800-0806	complete	8-fold	OD8 (5/16)	59,5	13,5	46	M50x1	55	48	55	50	55	6	292
VT1800-080601	socket	8-fold	OD8 (5/16)											19
VT1800-080602	plug	8-fold	OD8 (5/16)											19
VT1800-1002	complete	10-fold	OD4 (5/32)	59	13,5	45,5	M36x1	42	34	44	36	41	2,5	179
VT1800-100201	socket	10-fold	OD4 (5/32)											20
VT1800-100202	plug	10-fold	OD4 (5/32)											20
VT1800-1004	complete	10-fold	OD6	59	13,5	45,5	M50x1	55	48	55	50	55	4	295
VT1800-100401	socket	10-fold	OD6											21
VT1800-100402	plug	10-fold	OD6											21
VT1800-1006	complete	10-fold	OD8 (5/16)	59,5	13,5	46	M60x1	65	58	68	60	65	6	427
VT1800-100601	socket	10-fold	OD8 (5/16)											22
VT1800-100602	plug	10-fold	OD8 (5/16)											22
VT1800-1202	complete	12-fold	OD4 (5/32)	59	13,5	45,5	M36x1	42	36	44	36	41	2,5	180
VT1800-120201	socket	12-fold	OD4 (5/32)											23
VT1800-120202	plug	12-fold	OD4 (5/32)											23
VT1800-1204	complete	12-fold	OD6	59	13,5	45,5	M50x1	55	48	55	50	56	4	294
VT1800-120401	socket	12-fold	OD6											24
VT1800-120402	plug	12-fold	OD6											24
VT1800-1206	complete	12-fold	OD8 (5/16)	59,5	13,5	46	M60x1	69,5	58	68	-	67	6	426
VT1800-120601	socket	12-fold	OD8 (5/16)											25
VT1800-120602	plug	12-fold	OD8 (5/16)											25
VT1800-1602	complete	16-fold	OD4 (5/32)	63	15,5	47,5	M40x1	46	40	49	41	46	2,5	272
VT1800-160201	socket	16-fold	OD4 (5/32)											
VT1800-160202	plug	16-fold	OD4 (5/32)											

1800

# Series 1800 - Multiple couplings without shut-off

50

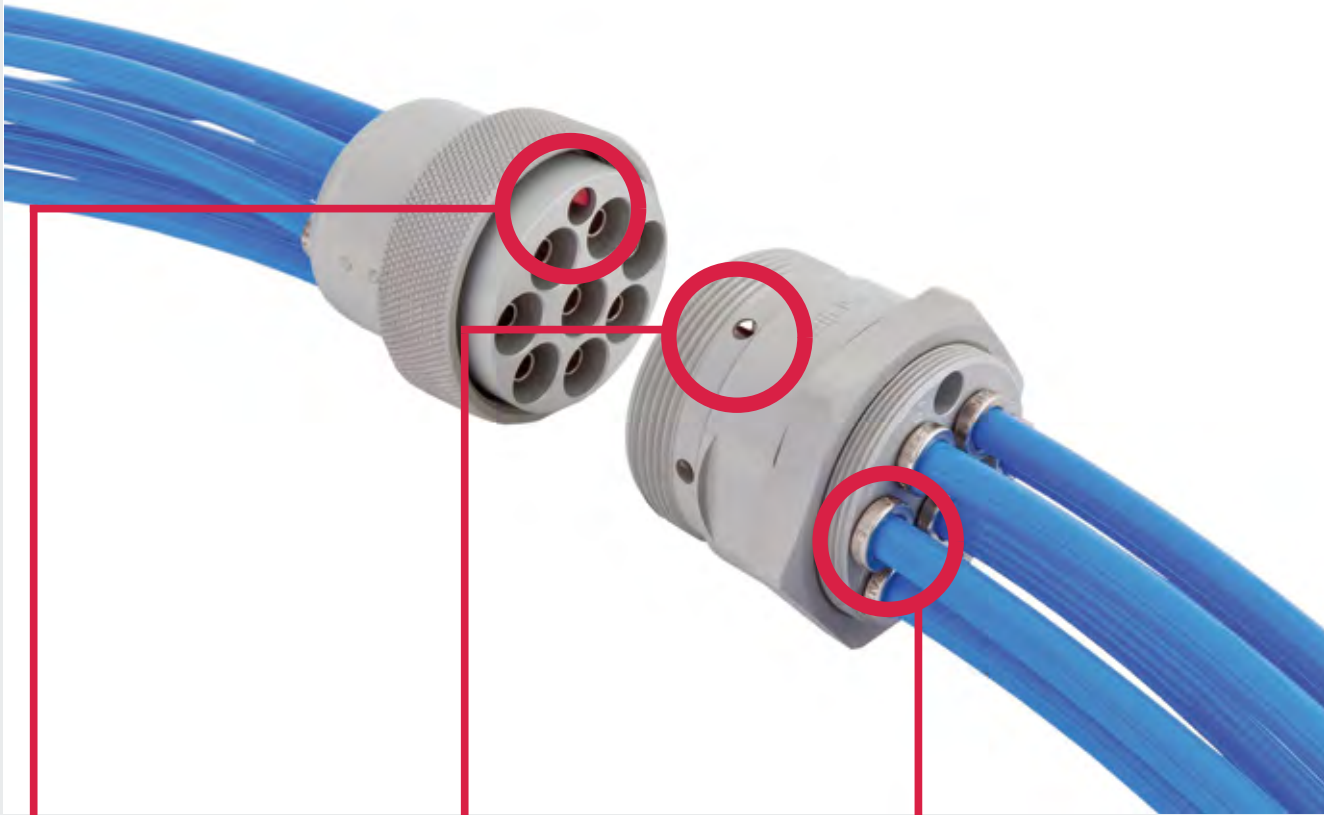
Aluminum natural anodized, brass nickel-plated

1800

EISELE MULTILINE

Part no.	Assembly	Design	for tube	L1	L2	L3	G	D1	D2	D3	SW1	SW2	NW	g/piece
VT1800-1604	complete	16-fold	OD6	64,5	16,5	48	M52x1	65	51	SW60	-	58	4	411
VT1800-160401	socket	16-fold	OD6											
VT1800-160402	plug	16-fold	OD6											
VT1800-1606	complete	16-fold	OD8 (5/16)	66	17,5	48,5	M70x1	81,5	70	SW80	-	76	6	731
VT1800-160601	socket	16-fold	OD8 (5/16)											
VT1800-160602	plug	16-fold	OD8 (5/16)											
VT1800-1618	complete	16-fold	OD3	61	13,5	47,5	M34x1	40	34	41,5	36	41	2,3	173
VT1800-161801	socket	16-fold	OD3											
VT1800-161802	plug	16-fold	OD3											
VT1800-2018	complete	20-fold	OD3	61	13,5	47,5	M36x1	42	36	44	36	45	2,3	177
VT1800-201801	socket	20-fold	OD3											
VT1800-201802	plug	20-fold	OD3											
VT1800-2204	complete	22-fold	OD6	65	17	48	M64x1	80	63	SW72	-	72	4	625
VT1800-220401	socket	22-fold	OD6											
VT1800-220402	plug	22-fold	OD6											
VT1800-2206	complete	22-fold	OD8 (5/16)	66	17	49	M80x1	90	79	SW87	-	86	6	895
VT1800-220601	socket	22-fold	OD8 (5/16)											
VT1800-220602	plug	22-fold	OD8 (5/16)											
VT1800-2402	complete	24-fold	OD4 (5/32)	64	16	48	M52x1	65	51	SW60	-	58	2,5	442
VT1800-240201	socket	24-fold	OD4 (5/32)											
VT1800-240202	plug	24-fold	OD4 (5/32)											
VT1800-3204	complete	32-fold	OD6	65,5	17	48,5	M80x1	90	79	SW87	-	86	4	903
VT1800-320401	socket	32-fold	OD6											
VT1800-320402	plug	32-fold	OD6											

## Series 1811 - Multiple couplings with shut-off



### Intuitive Handling

- Plug position can be found through asymmetry
- Considerably better handling
- With bore for coding pins
- 4 coding possibilities available

### Time- and Space-saving

- Optimized for constructed spaces
- Patented quick connection

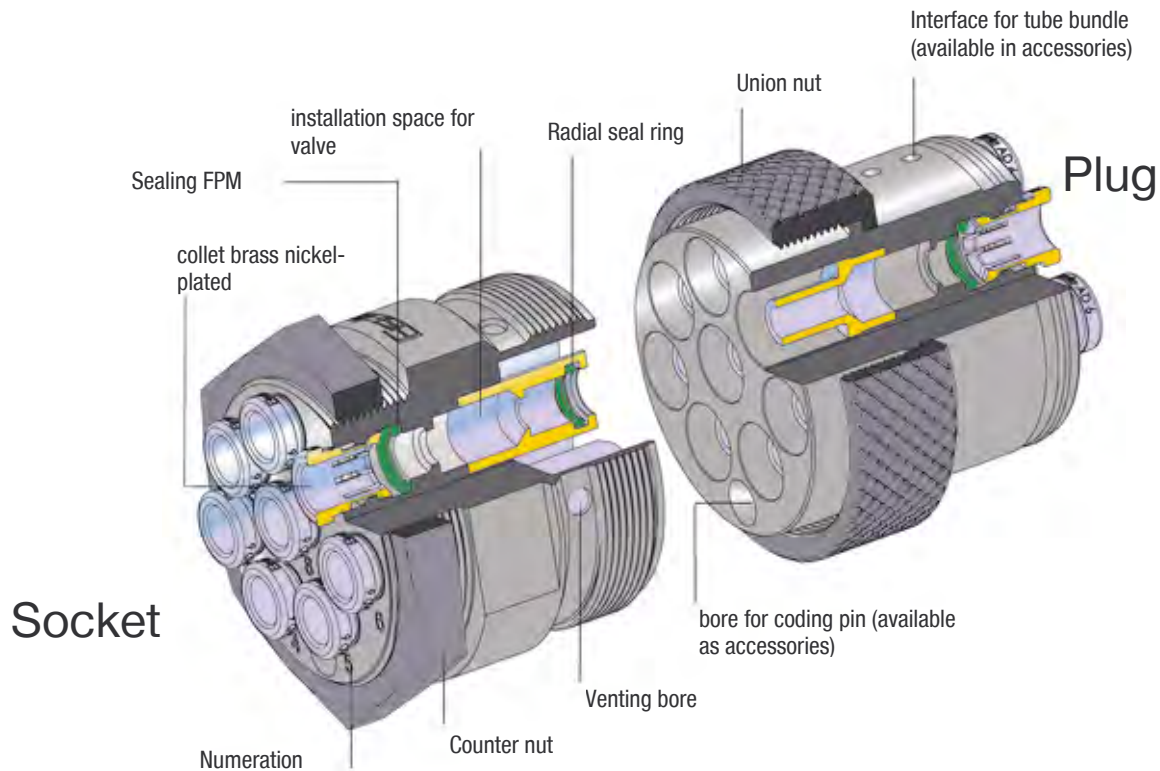
### High-quality Processing

- Metal housing
- Made in Germany
- Exclusive design
- With shut-off valves

Suitable accessories like protecting caps, hose bundles and coding pins starting on page 25.

1811

## Functional principle



The hoses are inserted into the numbered quick-connect couplings. The hoses are held securely in the housing by the collets. Even after a long period of time, the hoses can be released and re-inserted easily without damage.

When connecting the coupling, the correct position can be found intuitively. Any confusion is impossible, thanks to the optionally-available coding pin. The two halves of the coupling are connected securely using the union nut.

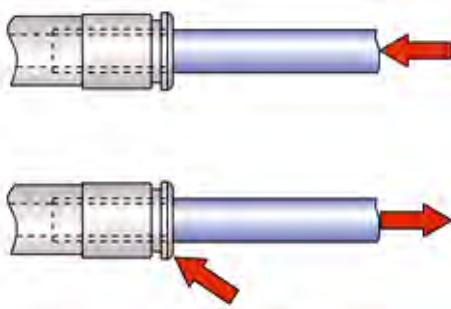
## Range of application

- Apparatus engineering
- Mechanical engineering
- Plant engineering

## Service conditions

- Temperature range: -4 to 248 °F (-20 to +120°C)
- Working pressure range -14 to 232 psi (-0.95 to 16 bar)
- Flow-rate optimized
- Very fast and easy assembly
- Disassembly without tools possible
- Vacuum version available
- Qualified for compressed air

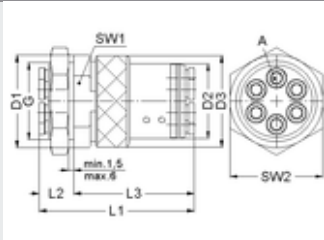
## Handling



Assembly: Push tube into the connector up to the limit stop

Disassembly: Push release sleeve, pull out tube

## Multiple coupling without shut-off

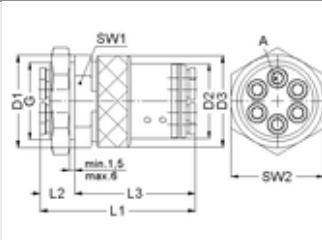


- Plug connectors series 15
- Can be assembled as bulkhead
- Sealing FPM
- Material Al natural anodized, brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)

Part no.	Assembly	Design	for tube	L1	L2	L3	G	D1	D2	D3	SW1	SW2	NW	g/piece
VT1811-040200	complete	4-fold	OD4 (5/32)	58,5	13,5	45	M25x1	30	26	34	25	30	2,5	104
VT1811-04020001	socket	4-fold	OD4 (5/32)											
VT1811-04020002	plug	4-fold	OD4 (5/32)											
VT1811-040400	complete	4-fold	OD6	72	15,5	56,5	M30x1	35,8	30	39,5	30	36	4	171
VT1811-04040001	socket	4-fold	OD6											
VT1811-04040002	plug	4-fold	OD6											
VT1811-040600	complete	4-fold	OD8 (5/16)	87,5	19	68,5	M42x1	48	42	54	42	50	6	421
VT1811-04060001	socket	4-fold	OD8 (5/16)											
VT1811-04060002	plug	4-fold	OD8 (5/16)											
VT1811-060200	complete	6-fold	OD4 (5/32)	58,5	13,5	45	M30x1	36	30	39,5	32	36	2,5	150
VT1811-06020001	socket	6-fold	OD4 (5/32)											
VT1811-06020002	plug	6-fold	OD4 (5/32)											
VT1811-060400	complete	6-fold	OD6	72,5	16	56,5	M36x1	41,8	36	45	36	41	4	243
VT1811-06040001	socket	6-fold	OD6											
VT1811-06040002	plug	6-fold	OD6											
VT1811-060600	complete	6-fold	OD8 (5/16)	87,5	19	68,5	M50x1	56	50	60	50	56	6	540
VT1811-06060001	socket	6-fold	OD8 (5/16)											
VT1811-06060002	plug	6-fold	OD8 (5/16)											
VT1811-080200	complete	8-fold	OD4 (5/32)	58,5	13,5	45	M34x1	39,8	34	41,5	34	41	2,5	181
VT1811-08020001	socket	8-fold	OD4 (5/32)											
VT1811-08020002	plug	8-fold	OD4 (5/32)											
VT1811-080400	complete	8-fold	OD6	73	16	57	M40x1	45,8	40	49	41	46	4	290
VT1811-08040001	socket	8-fold	OD6											
VT1811-08040002	plug	8-fold	OD6											
VT1811-080600	complete	8-fold	OD8 (5/16)	87,5	19	68,5	M54x1	60	55	65	55	60	6	645
VT1811-08060001	socket	8-fold	OD8 (5/16)											
VT1811-08060002	plug	8-fold	OD8 (5/16)											
VT1811-100200	complete	10-fold	OD4 (5/32)	58,5	13,5	45	M38x1	50	37	46	41	46	2,5	226
VT1811-10020001	socket	10-fold	OD4 (5/32)											
VT1811-10020002	plug	10-fold	OD4 (5/32)											
VT1811-100400	complete	10-fold	OD6	63,5	16	57,5	M46x1	58,8	46	56	46	55	4	384
VT1811-10040001	socket	10-fold	OD6											
VT1811-10040002	plug	10-fold	OD6											
VT1811-120200	complete	12-fold	OD4 (5/32)	59,5	13,5	46	M42x1	47,8	42	51,8	46	50	2,5	280
VT1811-12020001	socket	12-fold	OD4 (5/32)											
VT1811-12020002	plug	12-fold	OD4 (5/32)											
VT1811-120400	complete	12-fold	OD6	76	16	60	M48x1	54	48	60	50	55	4	443
VT1811-12040001	socket	12-fold	OD6											
VT1811-12040002	plug	12-fold	OD6											

1811

## Multiple coupling with shut-off on the plug side

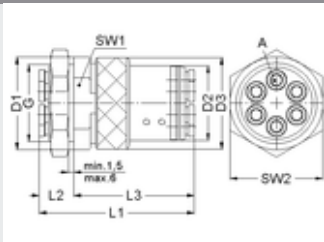


- Plug connectors series 15
- Can be assembled as bulkhead
- Sealing FPM
- Material Al natural anodized, brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)

1811

Part no.	Assembly	Design	for tube	L1	L2	L3	G	D1	D2	D3	SW1	SW2	NW	g/piece
VT1811-040201	complete	4-fold	OD4 (5/32)	58,5	13,5	45	M25x1	30	26	34	25	30	2,5	104
VT1811-04020102	plug	4-fold	OD4 (5/32)											
VT1811-04020001	socket	4-fold	OD4 (5/32)											
VT1811-040401	complete	4-fold	OD6	72	15,5	56,5	M30x1	35,8	30	39,5	30	36	4	171
VT1811-04040102	plug	4-fold	OD6											
VT1811-04040001	socket	4-fold	OD6											
VT1811-040601	complete	4-fold	OD8 (5/16)	87,5	19	68,5	M42x1	48	42	54	42	50	6	421
VT1811-04060102	plug	4-fold	OD8 (5/16)											
VT1811-04060001	socket	4-fold	OD8 (5/16)											
VT1811-060201	complete	6-fold	OD4 (5/32)	58,5	13,5	45	M30x1	36	30	39,5	32	36	2,5	150
VT1811-06020102	plug	6-fold	OD4 (5/32)											
VT1811-06020001	socket	6-fold	OD4 (5/32)											
VT1811-060401	complete	6-fold	OD6	72,5	16	56,5	M36x1	41,8	36	45	36	41	4	243
VT1811-06040102	plug	6-fold	OD6											
VT1811-06040001	socket	6-fold	OD6											
VT1811-060601	complete	6-fold	OD8 (5/16)	87,5	19	68,5	M50x1	56	50	60	50	56	6	540
VT1811-06060102	plug	6-fold	OD8 (5/16)											
VT1811-06060001	socket	6-fold	OD8 (5/16)											
VT1811-080201	complete	8-fold	OD4 (5/32)	58,5	13,5	45	M34x1	39,8	34	41,5	34	41	2,5	181
VT1811-08020102	plug	8-fold	OD4 (5/32)											
VT1811-08020001	socket	8-fold	OD4 (5/32)											
VT1811-080401	complete	8-fold	OD6	73	16	57	M40x1	45,8	40	49	41	46	4	290
VT1811-08040102	plug	8-fold	OD6											
VT1811-08040001	socket	8-fold	OD6											
VT1811-080601	complete	8-fold	OD8 (5/16)	87,5	19	68,5	M54x1	60	55	65	55	60	6	645
VT1811-08060102	plug	8-fold	OD8 (5/16)											
VT1811-08060001	socket	8-fold	OD8 (5/16)											
VT1811-100201	complete	10-fold	OD4 (5/32)	58,5	13,5	45	M38x1	50	37	46	41	46	2,5	226
VT1811-10020102	plug	10-fold	OD4 (5/32)											
VT1811-10020001	socket	10-fold	OD4 (5/32)											
VT1811-100401	complete	10-fold	OD6	63,5	16	57,5	M46x1	58,8	46	56	46	55	4	384
VT1811-10040102	plug	10-fold	OD6											
VT1811-10040001	socket	10-fold	OD6											
VT1811-120201	complete	12-fold	OD4 (5/32)	59,5	13,5	46	M42x1	47,8	42	51,8	46	50	2,5	280
VT1811-12020102	plug	12-fold	OD4 (5/32)											
VT1811-12020001	socket	12-fold	OD4 (5/32)											
VT1811-120401	complete	12-fold	OD6	76	16	60	M48x1	54	48	60	48	55	4	443
VT1811-12040102	plug	12-fold	OD6											
VT1811-12040001	socket	12-fold	OD6											

## Multiple coupling with shut-off on the socket side

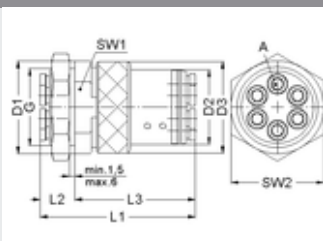


- Plug connectors series 15
- Can be assembled as bulkhead
- Sealing FPM
- Material Al natural anodized, brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)

Part no.	Assembly	Design	for tube	L1	L2	L3	G	D1	D2	D3	SW1	SW2	NW	g/piece
VT1811-040210	complete	4-fold	OD4 (5/32)	58,5	13,5	45	M25x1	30	26	34	25	30	2,5	104
VT1811-04021001	socket	4-fold	OD4 (5/32)											
VT1811-04020002	plug	4-fold	OD4 (5/32)											
VT1811-040410	complete	4-fold	OD6	72	15,5	56,5	M30x1	35,8	30	39,5	30	36	4	171
VT1811-04041001	socket	4-fold	OD6											
VT1811-04040002	plug	4-fold	OD6											
VT1811-040610	complete	4-fold	OD8 (5/16)	87,5	19	68,5	M42x1	48	42	54	42	50	6	421
VT1811-04061001	socket	4-fold	OD8 (5/16)											
VT1811-04060002	plug	4-fold	OD8 (5/16)											
VT1811-060210	complete	6-fold	OD4 (5/32)	58,5	13,5	45	M30x1	36	30	39,5	32	36	2,5	150
VT1811-06021001	socket	6-fold	OD4 (5/32)											
VT1811-06020002	plug	6-fold	OD4 (5/32)											
VT1811-060410	complete	6-fold	OD6	72,5	16	56,5	M36x1	41,8	36	45	36	41	4	243
VT1811-06041001	socket	6-fold	OD6											
VT1811-06040002	plug	6-fold	OD6											
VT1811-060610	complete	6-fold	OD8 (5/16)	87,5	19	68,5	M50x1	56	50	60	50	56	6	540
VT1811-06061001	socket	6-fold	OD8 (5/16)											
VT1811-06060002	plug	6-fold	OD8 (5/16)											
VT1811-080210	complete	8-fold	OD4 (5/32)	58,5	13,5	45	M34x1	39,8	34	41,5	34	41	2,5	181
VT1811-08021001	socket	8-fold	OD4 (5/32)											
VT1811-08020002	plug	8-fold	OD4 (5/32)											
VT1811-080410	complete	8-fold	OD6	73	16	57	M40x1	45,8	40	49	41	46	4	290
VT1811-08041001	socket	8-fold	OD6											
VT1811-08040002	plug	8-fold	OD6											
VT1811-080610	complete	8-fold	OD8 (5/16)	87,5	19	68,5	M54x1	60	55	65	55	60	6	645
VT1811-08061001	socket	8-fold	OD8 (5/16)											
VT1811-08060002	plug	8-fold	OD8 (5/16)											
VT1811-100210	complete	10-fold	OD4 (5/32)	58,5	13,5	45	M38x1	50	37	46	41	46	2,5	226
VT1811-10021001	socket	10-fold	OD4 (5/32)											
VT1811-10020002	plug	10-fold	OD4 (5/32)											
VT1811-100410	complete	10-fold	OD6	63,5	16	57,5	M46x1	58,8	46	56	46	55	4	384
VT1811-10041001	socket	10-fold	OD6											
VT1811-10040002	plug	10-fold	OD6											
VT1811-120210	complete	12-fold	OD4 (5/32)	59,5	13,5	46	M42x1	47,8	42	51,8	46	50	2,5	280
VT1811-12021001	socket	12-fold	OD4 (5/32)											
VT1811-12020002	plug	12-fold	OD4 (5/32)											
VT1811-120410	complete	12-fold	OD6	76	16	60	M48x1	54	48	60	48	55	4	443
VT1811-12041001	socket	12-fold	OD6											
VT1811-12040002	plug	12-fold	OD6											

1811

## Multiple coupling with shut-off on both sides



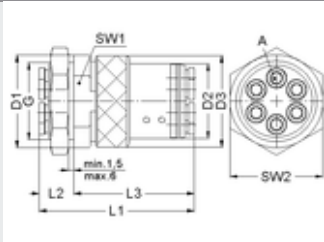
- Plug connectors series 15
- Can be assembled as bulkhead
- Sealing FPM
- Material Al natural anodized, brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range 0 to 232 psi (0 to 16 bar)

Part no.	Assembly	Design	for tube	L1	L2	L3	G	D1	D2	D3	SW1	SW2	NW	g/piece
VT1811-040211	complete	4-fold	OD4 (5/32)	58,5	13,5	45	M25x1	30	26	34	25	30	2,5	104
VT1811-04020102	plug	4-fold	OD4 (5/32)											
VT1811-04021001	socket	4-fold	OD4 (5/32)											
VT1811-040411	complete	4-fold	OD6	72	15,5	56,5	M30x1	35,8	30	39,5	30	36	4	171
VT1811-04040102	plug	4-fold	OD6											
VT1811-04041001	socket	4-fold	OD6											
VT1811-040611	complete	4-fold	OD8 (5/16)	87,5	19	68,5	M42x1	48	42	54	42	50	6	421
VT1811-04060102	plug	4-fold	OD8 (5/16)											
VT1811-04061001	socket	4-fold	OD8 (5/16)											
VT1811-060211	complete	6-fold	OD4 (5/32)	58,5	13,5	45	M30x1	36	30	39,5	32	36	2,5	150
VT1811-06020102	plug	6-fold	OD4 (5/32)											
VT1811-06021001	socket	6-fold	OD4 (5/32)											
VT1811-060411	complete	6-fold	OD6	72,5	16	56,5	M36x1	41,8	36	45	36	41	4	243
VT1811-06040102	plug	6-fold	OD6											
VT1811-06041001	socket	6-fold	OD6											
VT1811-060611	complete	6-fold	OD8 (5/16)	87,5	19	68,5	M50x1	56	50	60	50	56	6	540
VT1811-06060102	plug	6-fold	OD8 (5/16)											
VT1811-06061001	socket	6-fold	OD8 (5/16)											
VT1811-080211	complete	8-fold	OD4 (5/32)	58,5	13,5	45	M34x1	39,8	34	41,5	34	41	2,5	181
VT1811-08020102	plug	8-fold	OD4 (5/32)											
VT1811-08021001	socket	8-fold	OD4 (5/32)											
VT1811-080411	complete	8-fold	OD6	73	16	57	M40x1	45,8	40	49	41	46	4	290
VT1811-08040102	plug	8-fold	OD6											
VT1811-08041001	socket	8-fold	OD6											
VT1811-080611	complete	8-fold	OD8 (5/16)	87,5	19	68,5	M54x1	60	55	65	55	60	6	645
VT1811-08060102	plug	8-fold	OD8 (5/16)											
VT1811-08061001	socket	8-fold	OD8 (5/16)											
VT1811-100211	complete	10-fold	OD4 (5/32)	58,5	13,5	45	M38x1	50	37	46	41	46	2,5	226
VT1811-10020102	plug	10-fold	OD4 (5/32)											
VT1811-10021001	socket	10-fold	OD4 (5/32)											
VT1811-100411	complete	10-fold	OD6	63,5	16	57,5	M46x1	58,8	46	56	46	55	4	384
VT1811-10040102	plug	10-fold	OD6											
VT1811-10041001	socket	10-fold	OD6											
VT1811-120211	complete	12-fold	OD4 (5/32)	59,5	13,5	46	M42x1	47,8	42	51,8	46	50	2,5	280
VT1811-12020102	plug	12-fold	OD4 (5/32)											
VT1811-12021001	socket	12-fold	OD4 (5/32)											
VT1811-120411	complete	12-fold	OD6	76	16	60	M48x1	54	48	60	48	55	4	443
VT1811-12040102	plug	12-fold	OD6											
VT1811-12041001	socket	12-fold	OD6											

1811



## Multiple coupling with shut-off on the plug side - vacuum version

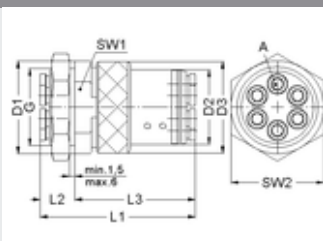


- Plug connectors Series 15
- Can be assembled as bulkhead
- Sealing FPM
- Material Al natural anodized, brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)

Part no.	Assembly	Design	for tube	L1	L2	L3	G	D1	D2	D3	SW1	SW2	NW	g/piece
VT1811-040202	complete	4-fold	OD4 (5/32)	58,5	13,5	45	M25x1	30	26	34	25	30	2,5	104
VT1811-04020202	plug	4-fold	OD4 (5/32)											
VT1811-04020001	socket	4-fold	OD4 (5/32)											
VT1811-040402	complete	4-fold	OD6	72	15,5	56,5	M30x1	35,8	30	39,5	30	36	4	171
VT1811-04040202	plug	4-fold	OD6											
VT1811-04040001	socket	4-fold	OD6											
VT1811-040602	complete	4-fold	OD8 (5/16)	87,5	19	68,5	M42x1	48	42	54	42	50	6	421
VT1811-04060202	plug	4-fold	OD8 (5/16)											
VT1811-04060001	socket	4-fold	OD8 (5/16)											
VT1811-060202	complete	6-fold	OD4 (5/32)	58,5	13,5	45	M30x1	36	30	39,5	32	36	2,5	150
VT1811-06020202	plug	6-fold	OD4 (5/32)											
VT1811-06020001	socket	6-fold	OD4 (5/32)											
VT1811-060402	complete	6-fold	OD6	72,5	16	56,5	M36x1	41,8	36	45	36	41	4	243
VT1811-06040202	plug	6-fold	OD6											
VT1811-06040001	socket	6-fold	OD6											
VT1811-060602	complete	6-fold	OD8 (5/16)	87,5	19	68,5	M50x1	56	50	60	50	56	6	540
VT1811-06060202	plug	6-fold	OD8 (5/16)											
VT1811-06060001	socket	6-fold	OD8 (5/16)											
VT1811-080202	complete	8-fold	OD4 (5/32)	58,5	13,5	45	M34x1	39,8	34	41,5	34	41	2,5	181
VT1811-08020202	plug	8-fold	OD4 (5/32)											
VT1811-08020001	socket	8-fold	OD4 (5/32)											
VT1811-080402	complete	8-fold	OD6	73	16	57	M40x1	45,8	40	49	41	46	4	290
VT1811-08040202	plug	8-fold	OD6											
VT1811-08040001	socket	8-fold	OD6											
VT1811-080602	complete	8-fold	OD8 (5/16)	87,5	19	68,5	M54x1	60	55	65	55	60	6	645
VT1811-08060202	plug	8-fold	OD8 (5/16)											
VT1811-08060001	socket	8-fold	OD8 (5/16)											
VT1811-100202	complete	10-fold	OD4 (5/32)	58,5	13,5	45	M38x1	50	37	46	41	46	2,5	226
VT1811-10020202	plug	10-fold	OD4 (5/32)											
VT1811-10020001	socket	10-fold	OD4 (5/32)											
VT1811-100402	complete	10-fold	OD6	63,5	16	57,5	M46x1	58,8	46	56	46	55	4	384
VT1811-10040202	plug	10-fold	OD6											
VT1811-10040001	socket	10-fold	OD6											
VT1811-120202	complete	12-fold	OD4 (5/32)	59,5	13,5	46	M42x1	47,8	42	51,8	46	50	2,5	280
VT1811-12020202	plug	12-fold	OD4 (5/32)											
VT1811-12020001	socket	12-fold	OD4 (5/32)											
VT1811-120402	complete	12-fold	OD6	76	16	60	M48x1	54	48	60	48	55	4	443
VT1811-12040202	plug	12-fold	OD6											
VT1811-12040001	socket	12-fold	OD6											

1811

## Multiple coupling with shut-off on the socket side - vacuum version

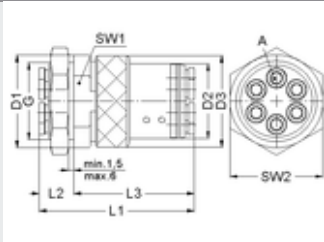


- Plug connectors Series 15
- Can be assembled as bulkhead
- Sealing FPM
- Material Al natural anodized, brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)

1811

Part no.	Assembly	Design	for tube	L1	L2	L3	G	D1	D2	D3	SW1	SW2	NW	g/piece
VT1811-040220	complete	4-fold	OD4 (5/32)	58,5	13,5	45	M25x1	30	26	34	25	30	2,5	104
VT1811-04022001	socket	4-fold	OD4 (5/32)											
VT1811-04020002	plug	4-fold	OD4 (5/32)											
VT1811-040420	complete	4-fold	OD6	72	15,5	56,5	M30x1	35,8	30	39,5	30	36	4	171
VT1811-04042001	socket	4-fold	OD6											
VT1811-04040002	plug	4-fold	OD6											
VT1811-040620	complete	4-fold	OD8 (5/16)	87,5	19	68,5	M42x1	48	42	54	42	50	6	421
VT1811-04062001	socket	4-fold	OD8 (5/16)											
VT1811-04060002	plug	4-fold	OD8 (5/16)											
VT1811-060220	complete	6-fold	OD4 (5/32)	58,5	13,5	45	M30x1	36	30	39,5	32	36	2,5	150
VT1811-06022001	socket	6-fold	OD4 (5/32)											
VT1811-06020002	plug	6-fold	OD4 (5/32)											
VT1811-060420	complete	6-fold	OD6	72,5	16	56,5	M36x1	41,8	36	45	36	41	4	243
VT1811-06042001	socket	6-fold	OD6											
VT1811-06040002	plug	6-fold	OD6											
VT1811-060620	complete	6-fold	OD8 (5/16)	87,5	19	68,5	M50x1	56	50	60	50	56	6	540
VT1811-06062001	socket	6-fold	OD8 (5/16)											
VT1811-06060002	plug	6-fold	OD8 (5/16)											
VT1811-080220	complete	8-fold	OD4 (5/32)	58,5	13,5	45	M34x1	39,8	34	41,5	34	41	2,5	181
VT1811-08022001	socket	8-fold	OD4 (5/32)											
VT1811-08020002	plug	8-fold	OD4 (5/32)											
VT1811-080420	complete	8-fold	OD6	73	16	57	M40x1	45,8	40	49	41	46	4	290
VT1811-08042001	socket	8-fold	OD6											
VT1811-08040002	plug	8-fold	OD6											
VT1811-080620	complete	8-fold	OD8 (5/16)	87,5	19	68,5	M54x1	60	55	65	55	60	6	645
VT1811-08062001	socket	8-fold	OD8 (5/16)											
VT1811-08060002	plug	8-fold	OD8 (5/16)											
VT1811-100220	complete	10-fold	OD4 (5/32)	58,5	13,5	45	M38x1	50	37	46	41	46	2,5	226
VT1811-10022001	socket	10-fold	OD4 (5/32)											
VT1811-10020002	plug	10-fold	OD4 (5/32)											
VT1811-100420	complete	10-fold	OD6	63,5	16	57,5	M46x1	58,8	46	56	46	55	4	384
VT1811-10042001	socket	10-fold	OD6											
VT1811-10040002	plug	10-fold	OD6											
VT1811-120220	complete	12-fold	OD4 (5/32)	59,5	13,5	46	M42x1	47,8	42	51,8	46	50	2,5	280
VT1811-12022001	socket	12-fold	OD4 (5/32)											
VT1811-12020002	plug	12-fold	OD4 (5/32)											
VT1811-120420	complete	12-fold	OD6	76	16	60	M48x1	54	48	60	48	55	4	443
VT1811-12042001	socket	12-fold	OD6											
VT1811-12040002	plug	12-fold	OD6											

## Multiple coupling with shut-off on both sides - vacuum version



- Plug connectors Series 15
- Can be assembled as bulkhead
- Sealing FPM
- Material Al natural anodized, brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -11,5 to 232 psi (-0,8 to 16 bar)

Part no.	Assembly	Design	for tube	L1	L2	L3	G	D1	D2	D3	SW1	SW2	NW	g/piece
VT1811-040222	complete	4-fold	OD4 (5/32)	58,5	13,5	45	M25x1	30	26	34	25	30	2,5	104
VT1811-04022001	socket	4-fold	OD4 (5/32)											
VT1811-04020202	plug	4-fold	OD4 (5/32)											
VT1811-040422	complete	4-fold	OD6	72	15,5	56,5	M30x1	35,8	30	39,5	30	36	4	171
VT1811-04042001	socket	4-fold	OD6											
VT1811-04040202	plug	4-fold	OD6											
VT1811-040622	complete	4-fold	OD8 (5/16)	87,5	19	68,5	M42x1	48	42	54	42	50	6	421
VT1811-04062001	socket	4-fold	OD8 (5/16)											
VT1811-04060202	plug	4-fold	OD8 (5/16)											
VT1811-060222	complete	6-fold	OD4 (5/32)	58,5	13,5	45	M30x1	36	30	39,5	32	36	2,5	150
VT1811-06022001	socket	6-fold	OD4 (5/32)											
VT1811-06020202	plug	6-fold	OD4 (5/32)											
VT1811-060422	complete	6-fold	OD6	72,5	16	56,5	M36x1	41,8	36	45	36	41	4	243
VT1811-06042001	socket	6-fold	OD6											
VT1811-06040202	plug	6-fold	OD6											
VT1811-060622	complete	6-fold	OD8 (5/16)	87,5	19	68,5	M50x1	56	50	60	50	56	6	540
VT1811-06062001	socket	6-fold	OD8 (5/16)											
VT1811-06060202	plug	6-fold	OD8 (5/16)											
VT1811-080222	complete	8-fold	OD4 (5/32)	58,5	13,5	45	M34x1	39,8	34	41,5	34	41	2,5	181
VT1811-08022001	socket	8-fold	OD4 (5/32)											
VT1811-08020202	plug	8-fold	OD4 (5/32)											
VT1811-080422	complete	8-fold	OD6	73	16	57	M40x1	45,8	40	49	41	46	4	290
VT1811-08042001	socket	8-fold	OD6											
VT1811-08040202	plug	8-fold	OD6											
VT1811-080622	complete	8-fold	OD8 (5/16)	87,5	19	68,5	M54x1	60	55	65	55	60	6	645
VT1811-08062001	socket	8-fold	OD8 (5/16)											
VT1811-08060202	plug	8-fold	OD8 (5/16)											
VT1811-100222	complete	10-fold	OD4 (5/32)	58,5	13,5	45	M38x1	50	37	46	41	46	2,5	226
VT1811-10022001	socket	10-fold	OD4 (5/32)											
VT1811-10020202	plug	10-fold	OD4 (5/32)											
VT1811-100422	complete	10-fold	OD6	63,5	16	57,5	M46x1	58,8	46	56	46	55	4	384
VT1811-10042001	socket	10-fold	OD6											
VT1811-10040202	plug	10-fold	OD6											
VT1811-120222	complete	12-fold	OD4 (5/32)	59,5	13,5	46	M42x1	47,8	42	51,8	46	50	2,5	280
VT1811-12022001	socket	12-fold	OD4 (5/32)											
VT1811-12020202	plug	12-fold	OD4 (5/32)											
VT1811-120422	complete	12-fold	OD6	76	16	60	M48x1	54	48	60	48	55	4	443
VT1811-12042001	socket	12-fold	OD6											
VT1811-12040202	plug	12-fold	OD6											

1811



## Accessories



### Hose bundle

- Protects coupling from dirt
- No deviation of the hose
- Strain relief of the hoses

### Angle brackets

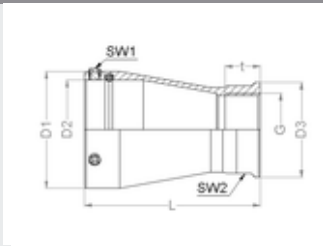
- Easy mounting to machine elements
- No special drilling necessary

### Protection cap

- Prevents soiling in opened condition

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## Tube bundling for series 1800 and series 1811

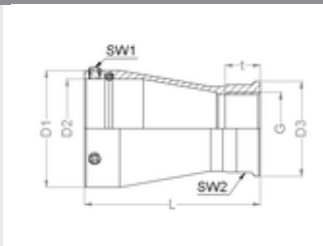


- Optimal handling through hose bundles
- Will be screwed on the coupling
- D2 hose bundles must be equal to D2 coupling
- Material Al natural anodized
- Sealing FPM
- Temperature range -4 to 248 °F (-20 to +120 °C)

Part no.	D2	G	SW1	SW2	L1	D1	D3	t	g/piece
VT1800-990123	23	M20x1,5	2	24	50	29,5	26	11	26
VT1800-990126	26	M20x1,5	2	24	50	32	26	11	25
VT1800-990129	29	M25x1,5	2	30	52	35	32,5	12	34
VT1800-990130	30	M25x1,5	2	30	52	36	32,5	12	34
VT1800-990134	34	M25x1,5	2	30	60	40	32,5	12	45
VT1800-990136	36	M32x1,5	2	36	67	42	40	14	54
VT1800-990137	37	M32x1,5	2	36	67	43	40	14	56
VT1800-990140	40	M32x1,5	2	36	72	46	40	14	63
VT1800-990142	42	M40x1,5	2	42	80	48	48	14	82
VT1800-990146	46	M40x1,5	2	42	80	52	48	14	83
VT1800-990148	48	M40x1,5	2	42	80	54	48	14	83
VT1800-990150	50	M40x1,5	2	42	80	57	48	14	93
VT1800-990155	55	M40x1,5	2	42	80	62	48	14	92
VT1800-990158	58	M50x1,5	2	55	82	65	60	20	134
VT1800-990165	65	M50x1,5	2	55	91	72	60	15	180
VT1800-990168	68	M63x1,5	2	67	87	75	72	17	189
VT1800-990179	79	M65x1,5	2	-	90	88	75	20	245

ACC

## Tube bundling for series ADAPTIV



- Optimal handling through hose bundles
- Will be screwed on the coupling
- D2 hose bundles must be equal to D2 coupling
- Material Al chemical nickel-plated
- Sealing FPM
- Temperature range -4 to 248 °F (-20 to +120 °C)

Part no.	D2	G	SW1	SW2	L1	D1	D3	t	g/piece
VT1850-990134	34	-	2	-	-	-	-	15	-
VT1850-990142	42	M40x1,5	2	42	80	48	48	15	83
VT1850-990148	48	-	2	-	-	-	-	15	-
VT1850-990155	55	M50x1,5	2	55	80	62	60	15	139
VT1850-990165	65	M63x1,5	2	65	91	72	72	15	185
VT1850-990168	68	M63x1,5	2	70	91	75	75	15	218

## Coding pin

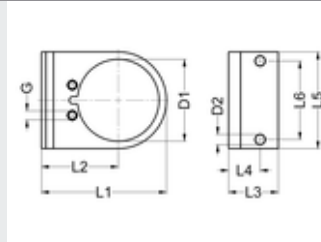
- Compatible with all multiple couplings of the 1811 series
- For color and mechanical coding
- 4 coding pins available, more coding pins on request
- Easy assembly by screwing
- Material: Al anodized
- Packaging unit: 2 pieces (1x for socket; 1x for plug)



Part no.	article description	Color	Marking	g/piece
1811-9800	installation tool, for easy assembling			4
1811-9810	coding pins (2 pcs)	natural	1	2
1811-9820	coding pins (2 pcs)	black	2	2
1811-9830	coding pins (2 pcs)	blue	3	2
1811-9840	coding pins (2 pcs)	red	4	2
1811-9814	coding pin set 1-4 (2 pcs)	various	No. 1-4	2

## Mounting bracket for Series 1800 and 1811

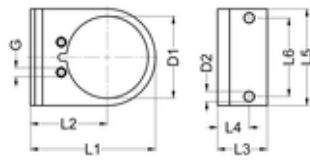
- Fits perfectly to the Eisele Multiple couplings
- D1 fits to the thread of the counter nut of the body
- Material: AISI 304 (1.4301)



Part no.	for thread	D1	G	L1	L2	L3	L4	L5	L6	D2	g/piece
1811-9523	M23x1	23	M6	45	30,5	33	21	29	17	6,5	37
1811-9530	M30x1	30	M6	53	35	33	21	38	26	6,5	52
1811-9536	M36x1	36	M6	59	37	33	21	44	32	6,5	61
1811-9538	M38x1	38	M6	65	42	33	21	46	34	6,5	65
1811-9540	M40x1	40	M6	67	43	33	21	48	36	6,5	72
1811-9542	M42x1	42	M6	69	44	33	21	50	38	6,5	72
1811-9546	M46x1	46	M6	70	43	33	21	54	42	6,5	76
1811-9548	M48x1	48	M6	71	43	33	21	56	44	6,5	79
1811-9550	M50x1	50	M6	75	45	33	21	58	46	6,5	84
1811-9552	M52x1	52	-	80	49	33	21	61	49	6,5	93
1811-9554	M54x1	54	M6	83	51	33	21	64	52	6,5	101
1811-9560	M60x1	60	-	88	52	33	21	71	59	6,5	111
1811-9564	M64x1	64	-	93	55	33	21	75	63	6,5	121
1811-9580	M80x1	80	-	113	67	33	21	91	79	6,5	159

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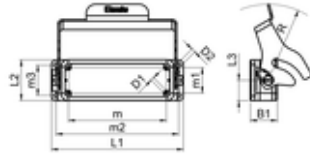
## Mounting bracket for Series ADAPTIV



- Fits perfectly to the Eisele Multiple couplings
- D1 fits to the thread of the counter nut of the body
- Material: AISI 304 (1.4301)

Part no.	for thread	D1	G	L1	L2	L3	L4	L5	L6	D2	g/piece
1850-9535	M34x1	35	-	58	34	33	21	44	32	6,5	57
1850-9543	M42x1	43	-	66	39	33	21	52	40	6,5	71
1850-9549	M48x1	49,2	-	71	42,5	33	21	57	45	6,5	77
1850-9556	M55x1	56,2	-	81	47	33	21	66	54	6,5	97
1850-9566	M65x1	66,2	-	91	52	33	21	77	65	6,5	117
1850-9571	M70x1	71,2	-	94	52	33	21	84	72	6,5	127

## Mounting handle

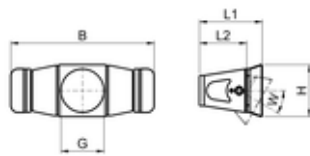


- Fits perfectly to Eisele Industrial connector
- Material AI, AISI 304 (1.4301)

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Part no.	L1	L2	L3	m	m1	m2	m3	D1	D2	R	g/piece
1856-2400003	140	43	21,5	104	27	130	43	M3	Ø4,3	80	375

## Mounting handle with hose bundle



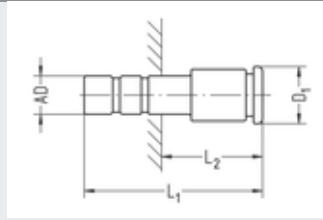
- Fits perfectly to Eisele Industrial connector
- Material AI, AISI 304 (1.4301)

Part no.	L1	L2	B	G	W	H	g/piece
1856-24505530	73	55	ca. 170	M50x1,5	30°, 60°	60	307



## Reducing plug

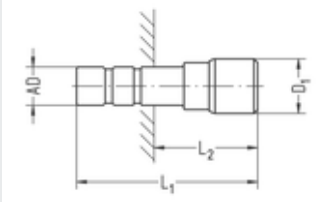
- Sealing NBR
- Material brass nickel-plated
- Temperature range -4 to 176 °F (-20 to +80 °C)
- Working pressure range -14 to 217 psi (-0.95 to 15 bar)



Part no.	plug AD	for tube	L1	L2	D1	NW	g/piece
821-0204	4	OD6	35,5	22	11,4	2	9
821-0206	4	OD8	37	23,5	14,6	2	13
821-0402	6	OD4	32,5	15,5	8,6	2	6
821-0406	6	OD8	39	22	14,6	4	14
821-0602	8	OD4	28	9,3	9,8	2	6
821-0604	8	OD6	38	16,3	11,4	4	10
821-0806	10	OD8	43	22	14,6	6	16
821-0906	12	OD8	47,5	21,5	14,6	6	23
821-0908	12	OD10	53,5	27,5	16,6	8	30
821-1108	14	OD10	53	25	16,6	8	31
821-1109	14	OD12	61	33	19,9	9	48

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## Reducing plug



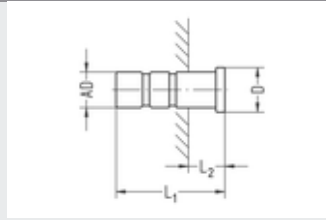
- Sealing NBR
- Material brass nickel-plated
- Temperature range -4 to 176 °F (-20 to +80 °C)
- Working pressure range -14 to 232 psi (-0.95 to 16 bar)
- Fits all connections in the programs 14, 15 and 15A in the respective size

Part no.	plug AD	for tube	L1	L2	D1	NW	g/piece
621-0204	4	OD6	34		11,4	2,4	4
621-0402	6	OD4	31	15,5	8,5	2	5
621-0443	6	OD4,3	31	15,5	9	3	5
621-0403	6	OD5	34,5	19	10,5	3	7
621-0463	6	OD1/4" (6,3)	37	21,5	11,8	4	9
621-6304	1/4" (6,3)	OD6	37	21,5	11,4	4	10
621-0602	8	OD4	34	15,5	8,5	2	7
621-0603	8	OD5	35,5	17	10,5	3	9
621-0604	8	OD6	38,5	20	11,5	4	10
621-0643	8	OD4,3	34	15,5	9	3	7
621-9563	3/8" (9,5)	OD1/4" (6,3)	43	21,5	11,8	4,5	13
621-9508	3/8" (9,5)	OD10	49	27,5	16,6	7,5	22
621-0804	10	OD6	40	18,5	11,5	4	13
621-0806	10	OD8	45	24	14,6	6	18
621-0895	10	OD3/8" (9,5)	49	27,5	16,1	8	22
621-0809	10	OD12	55	33	19,9	8	36
621-0811	10	OD14	57,3	-	21,9	8	42
621-0904	12	OD6	47	-	11,4	4,5	20
621-0906	12	OD8	47,5	-	14,6	6,5	22
621-0908	12	OD10	51	-	16,6	8	25
621-0927	12	OD1/2" (12,7)	60	34	20,6	9	45
621-2709	1/2" (12,7)	OD12	59	33	19,9	9,5	44
621-1106	14	OD8	52,5	24	14,6	6,5	33
621-1108	14	OD10	56	23,5	16,6	8	32
621-1109	14	OD12	58	-	19,9	9,5	46
621-1209	16	OD12	60	-	19,9	9,5	57
621-1211	16	OD14	64	32	21,9	12	59
621-1512	20	OD16	76	-	24,9	13,5	93

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## Closure plug

- Material brass nickel-plated
- Temperature range -4 to 248 °F (-20 to +120 °C)
- Working pressure range -14 to 348 psi (-0.95 to 24 bar)
- Fits all connections in the programs  
14, 14A, 15 and 15A in the respective size



Part no.	plug AD	L1	L2	D	g/piece
623-1800	3	18,5	7	6	1
623-0200	4	19	7	5,5	2
623-4300	4,3	19	7	5,5	2
623-0300	5	21	7,5	7	4
623-0400	6	21,5	6,5	8	5
623-6300	1/4" (6,3)	21,5	6,5	8	6
623-0600	8	24,5	6,5	10	11
623-9500	3/8" (9,5)	28	7,5	11,3	17
623-0800	10	28	7,5	12	19
623-0900	12	33	7	14	32
623-2700	1/2" (12,7)	33	7	14,5	36
623-1100	14	36	7,5	16	47
623-1200	16	38	7,5	17,8	33
623-1500	20	52	-	21,8	69

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## Color coding

- Material aluminum anodized
- Fits all Eisele plug connectors



Part no.	for tube	Color	g/piece
SA1394-1102	OD4	red	1
SA1394-1104	OD6	red	1
SA1394-1106	OD8	red	1
SA1394-1108	OD10	red	1
SA1394-1109	OD12	red	1
SA1394-1111	OD14	red	1
SA1394-1112	OD16	red	1
SA1394-1202	OD4	green	1
SA1394-1204	OD6	green	1
SA1394-1206	OD8	green	1
SA1394-1208	OD10	green	1
SA1394-1209	OD12	green	1
SA1394-1211	OD14	green	1
SA1394-1212	OD16	green	1
SA1394-1302	OD4	blue	1
SA1394-1304	OD6	blue	1
SA1394-1306	OD8	blue	1
SA1394-1308	OD10	blue	1
SA1394-1309	OD12	blue	1
SA1394-1311	OD14	blue	1
SA1394-1312	OD16	blue	1

## Protection cap



- protection caps compatible with socket and plug of the MULTILINE
- Material polyethylene (PE)

Part no.	suitable for plug or socket VT1800	suitable for plug or socket VT1811
1800-97385	-	VT1811-1002XX02
1800-97455	-	VT1811-0804XX01 VT1811-0406XX01
1800-97479	-	VT1811-1004XX02
1800-97505	-	VT1811-0606XX02 VT1811-1004XX01
1800-97243	VT1800-040202	-
1800-97272	VT1800-040201	VT1811-0402XX02
1800-97300	VT1800-060202 VT1800-080202 VT1800-040402	VT1811-0402XX01 VT1811-0404XX02
1800-97320	-	VT1811-0602XX02
1800-97336	VT1800-040401 VT1800-060201 VT1800-080201 VT1800-040602 VT1800-080402 VT1800-120202	VT1811-0802XX02
1800-97345	VT1800-040602 VT1800-060402 VT1800-080402 VT1800-100202 VT1800-120202	-
1800-97355	-	VT1811-0404XX01 VT1811-0602XX01
1800-97379	-	VT1811-0802XX01
1800-97413	VT1800-040601 VT1800-060401 VT1800-080401 VT1800-100201 VT1800-120201	VT1811-0604XX02 VT1811-0804XX02
1800-97439	-	VT1811-0406XX02 VT1811-0604XX01 VT1811-1002XX02 VT1811-1202XX02
1800-97498	VT1800-060602 VT1800-080602 VT1800-100402 VT1800-120402	VT1811-1202XX01 VT1811-1204XX02
1800-97525	VT1800-060601 VT1800-080601 VT1800-100401 VT1800-120401	-
1800-97555	-	VT1811-1204XX01
1800-97570	VT1800-120602	VT1811-0606XX01 VT1811-0806XX02
1800-97605	-	VT1811-0806XX01
1800-97635	VT1800-100601 VT1800-120601	-

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## Protection cap

- protection caps compatible with socket and plug of the MULTILINE
- Material polyethylene (PE)



Part no.	suitable for plug or socket VT1850	suitable for plug or socket VT1851
1800-97385	1850-040401	1851-040401
1800-97455	1850-040402	1851-040402
1800-97479	1850-040601	1850-040601
	1850-060401	1851-060401
1800-97505	1850-040602	1851-040602
	1850-060402	1851-060402
1800-97545	1850-080401	1851-080401
1800-97585	1850-080402	1851-080402
1800-97613	1850-040801	1851-040801
	1850-060601	1851-060601
	1850-100401	1851-100401
	1850-120401	1851-120401
1800-97679	1850-040802	1851-040802
	1850-060602	1851-060602
	1850-100402	1851-100402
	1850-120402	1851-120402
1800-97728	1850-060801	1851-060801
	1850-080601	1851-080601
1800-97740	1850-041101	1851-041101
	1850-100601	1851-100601
1800-97775	1850-060802	1851-060802
	1850-080602	1851-080602
1800-97815	1850-041102	1851-041102
	1850-100602	1851-100602

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## O-Ring

- Material FPM
- Temperature range depending on type of coupling (s. coupling)
- Packaging unit 25 pieces



Part no.	Information
9002-02540178-25	suitable for VT1800-xx02
9002-04000200-25	suitable for VT1800-xx04
9002-06000200-25	suitable for VT1800-xx06



## Multiline



Mehrfachkupplung nach Kundenanforderung

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## We master your individual specifications

- Combinations of the different connection- and screw-joint series
- Custom designs, for example: extensions, angles
- Special thread connections, for example, female thread, fine thread, NPT
- Adaptation of other systems, such as pipe-fittings, hoses with fabric lining
- Other sealing materials, such as NBR, EPDM, FFPM
- Integrated valve technology, for example, shut-off
- Color coding
- Pre-assembled modules

## Customized connection solutions

### Multiple coupling



Kuplung mit Tüllenanschlüssen, unterschiedlichem Durchmessers. Die Spezialbeschichtung macht die Kuplung resistent gegen die verwendeten Reinigungsmittel. Generell große Kupplungsdurchmesser auf Anfrage möglich.

### Multiple coupling



Coupling for 2x fluid and 2x pneumatic. Material: nickel-plated brass. The colour-coded sleeves can be found in our standard product range, EISELE BASICLINE.

### Multiple coupling



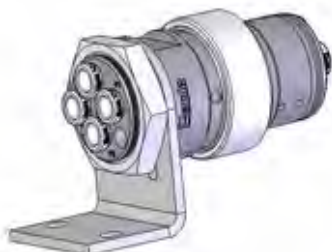
1810 series coupling, customer specific material: nickel-plated brass.

### Y-distributor block equipped



The manifold for pneumatics or fluids splits each connection into 2 connections. Available as e.g. 8x, 14x or 20x manifolds.

### Angle brackets



The angle bracket offers a simple mounting option, where the bulkhead fitting cannot be used.

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## Customized connection solutions

### Multiple couplings with connections set at an angle

Space-saving customer solution with connections set at an angle.



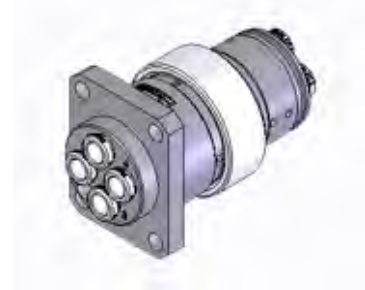
### Multiple coupling made of stainless steel

Customer-specific coupling from grade AISI 304 (1.4301) stainless steel. This custom, food grade solution permits semi-automatic coupling at the machine.



### Multiple coupling

Multiple coupling with flange plate



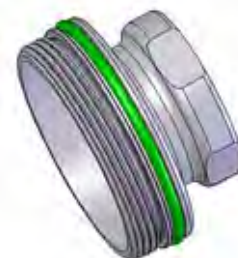
### coupling with shut-off

stainless steel coupling with shut-off on both sides.



### Sealing cap for coupling (plug)

The sealing cap enables the coupling (plug) to be sealed even while open.

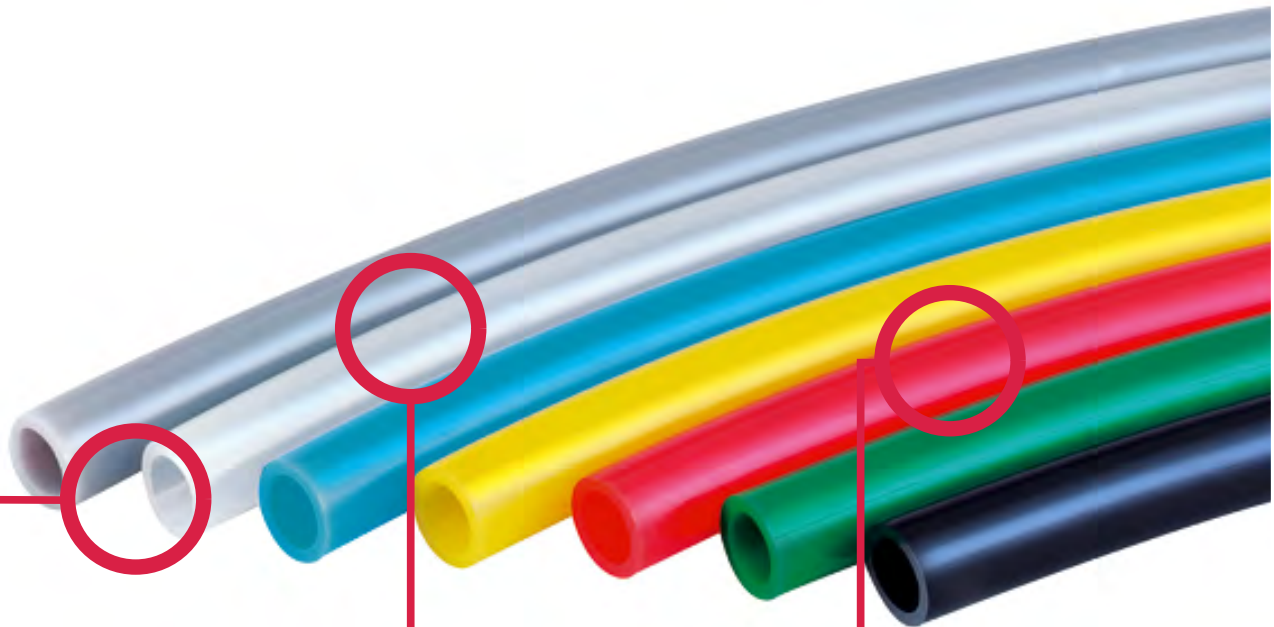


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EISELE MULTILINE



## Plastic tubes



### Versatile range of tubes

- Standard compressed-air tubes as well as tubes for special applications and appropriate accessories
- Different tube materials for different application areas

### Color and code versions possible

- Tubes can be delivered in many common colors, e.g. to indicate different fluids
- Labeling of tubes for coding is also possible

### Package solutions of connectors and tubes

- Secure combinations of EISELE connectors and their matching tubes
- Very suitable for applications due to limited tolerances and a high demand for no leakage

On request we also offer tube solutions in other colors, sizes and materials.

## Tube types

Kind of calibration:

- Tubes for push-in fittings - external calibration, OD produced with narrow tolerances. Typical structure: single-layered, not reinforced with fabric lining.
- Tubes for spigots – internal calibration. Partly reinforced.

Kind of flexibility:

- Furthermore, a distinction is made between tubes which are resistant and nonresistant to buckling. Polyurethane tubes (e.g. PU, HYDRO Eisele, Eisele ProWeld) or PVC tubes are permanently flexible and relatively impervious to buckling! All other tubes have a clearly visible deformation (e.g. whitening) after buckling; replacement should be done.

## Resistance

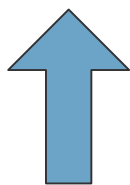
Type of tube	Damage by weak acids/bases or water	Stress crack by polar solvents	Microbial/fungal damage	Physical radiation damage
Polyurethane (PU)	-	0	-	+*
Eisele Hydro/ProWeld	+	0	++	+
Polyamide (PA)	0/+	+	+	0
PFA	++	++	++	(UV) +

++	Excluded damage
+	Damage rarely
0	Damage occasionally
-	Damage often

\*PU bilged stronger than Eisele Hydro

## Temperatures

### Temperature - Material



302 °F (150°C)	- PFA, PTFE (Teflon) at zero pressure up to 500 °F (260°C)
248 °F (120°C)	- FEP
212 °F (100°C)	- PA
194 °F (90°C)	- PU-Ether-based (Eisele ProWeld)
158 °F (70°C)	- PU-Ester-based (PU), NBR
140 °F (60°C)	- PE, PVC, PU-Ether-based (Eisele Hydro)
104 °F (40°C)	- PE

## Working pressure

The operating pressure is obtained by dividing the burst pressure by a safety factor. Safety factors are 2 to 4 (in pneumatics: typically 2.5 to 3)

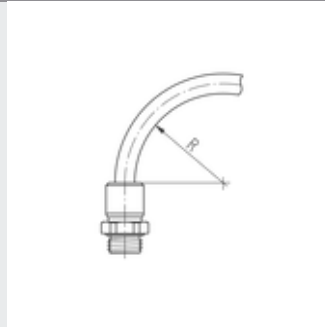
Example:

- 435 psi (30 bar) burst pressure at 20 ° C results in an operating pressure of
- 145 psi (10 bar) with a safety factor of 3,
- 217 psi (15 bar) with a safety factor of 2

Eisele usually provides the burst pressure. Every customer can choose their own safety factor.

## Plastic tube PA

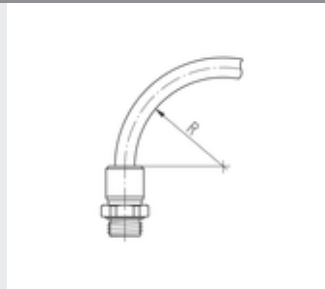
- Made of polyamide (PA)
- Color black (red, blue, green, yellow, natural, brown, orange and grey: specify when placing order; subject to extra charge)
- External calibration; for use with Eisele plug connectors
- Temperature range -76 to 212 °F (-60 to +100 °C)
- Operating pressure = burst pressure: safety (common factor 2 to 3)
- Suitable for vacuum
- Free of PWIS and halogen
- Suitable for fuel
- For automotive industry according to DIN 73378
- Drag chain compliant



Part no.	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99005-0402	4 / 2	2103 psi (145 bar)	1189 psi (82 bar)	20	10
99005-4303	4,3 / 3	1102 psi (76 bar)	623 psi (43 bar)	20	8
99005-0503	5 / 3	1624 psi (112 bar)	928 psi (64 bar)	25	13
99005-0604	6 / 4	1290 psi (89 bar)	739 psi (51 bar)	30	16
99005-0806	8 / 5	1348 psi (93 bar)	768 psi (53 bar)	40	32
99005-0906	9 / 6	1290 psi (89 bar)	739 psi (51 bar)	45	36
99005-1008	10 / 8	710 psi (49 bar)	406 psi (28 bar)	60	29
99005-1209	12 / 9	913 psi (63 bar)	521 psi (36 bar)	60	51
99005-1210	12 / 10	565 psi (39 bar)	319 psi (22 bar)	85	36
99005-1411	14 / 11	768 psi (53 bar)	435 psi (30 bar)	80	61
99005-1512	15 / 12	710 psi (49 bar)	406 psi (28 bar)	90	66
99005-1613	16 / 13	667 psi (46 bar)	377 psi (26 bar)	90	70
99005-1814	18 / 14	739 psi (51 bar)	420 psi (29 bar)	100	104
99005-2016	20 / 16	710 psi (49 bar)	406 psi (28 bar)	120	117

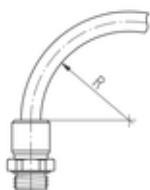
## Plastic tube Eisele Hydro

- Made of polyether-polyurethane (PU-H)
- Color imbued: black, blue, red
- External calibration; for use with Eisele plug connectors
- Temperature range -31 to 140 °F (-35 to +60 °C)
- Operating pressure = burst pressure: Safety (common factor 3)
- Free of halogen, plasticizers, PWIS, copper and PTFE
- Impervious to buckling and drag chain compliant
- Resistant to UV, hydrolysis and microbes
- FDA compliant according to 21 CFR 177.2600
- Suitable for vacuum



Part no.	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99150-0425	4 / 2,5	478 psi (33 bar)	232 psi (16 bar)	8	9
99150-0604	6 / 4	464 psi (32 bar)	217 psi (15 bar)	10	18
99150-0806	8 / 6	391 psi (27bar)	188 psi (13 bar)	21	29
99150-1007	10 / 7	406 psi (28 bar)	188 psi (13 bar)	28	47
99150-1208	12 / 8	464 psi (32 bar)	232 psi (16 bar)	33	73
99150-1410	14 / 10	393 psi (27,1 bar)	190 psi (13,2 bar)	33	73
99150-1611	16 / 11	435 psi (30 bar)	203 psi (14 bar)	38	123
99150-2014	20 / 14	417 psi (28,8 bar)	203 psi (14 bar)	-	ca. 187

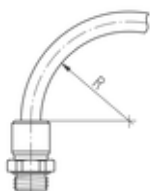
## Plastic tube Eisele Hydro, translucent



- Made of polyether-polyurethane (PU-H)
- Color transparent: natural, red, blue
- External calibration; for use with Eisele plug connectors
- Temperature range -31 to 140 °F (-35 to +60 °C)
- Operating pressure = burst pressure: Safety (common factor 2 to 3)
- Free of halogen, plasticizers, PWIS, copper and PTFE
- Impervious to buckling and drag chain compliant
- Resistant to hydrolysis and microbes
- FDA compliant according to 21 CFR 177.2600
- Suitable for vacuum

Part no.	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 140°F (60°C)	min. allowable bend radius	g/m
99151-0425	4 / 2,5	478 psi (33 bar)	232 psi (16 bar)	8	9
99151-0604	6 / 4	464 psi (32 bar)	217 psi (15 bar)	10	18
99151-0806	8 / 6	391 psi (27bar)	188 psi (13 bar)	21	29
99151-1007	10 / 7	406 psi (28 bar)	188 psi (13 bar)	28	47
99151-1208	12 / 8	464 psi (32 bar)	232 psi (16 bar)	33	73
99151-1410	14 / 10	393 psi (27,1 bar)	190 psi (13,2 bar)	33	73
99151-1611	16 / 11	435 psi (30 bar)	203 psi (14 bar)	38	123
99151-2014	20 / 14	417 psi (28,8 bar)	203 psi (14 bar)	-	ca. 187

## Plastic tube PTFE

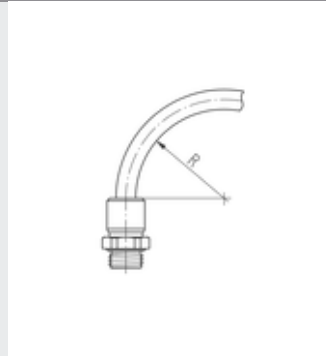


- Made of polytetrafluoroethylene (PTFE, Teflon)
- Color natural
- External calibration; for use with Eisele plug connectors
- Temperature range -310 to 500 °F (-190 to +260 °C)
- Operating pressure = burst pressure: safety (common factor 2 to 3)
- Free of plasticizers, PWIS and copper
- Resistant to UV and solvents
- FDA compliant according to 21 CFR 177.2600
- Flame-retardant according to UL94 V0 to V2

Part no.	Outside Ø / Inside Ø	Minimum burst pressure at 68°F (20°C)	Minimum burst pressure at 122°F (50°C)	min. allowable bend radius	g/m
99001-0335	3 / 0,35	290 psi (20 bar)	250 psi (17,5 bar)	35	-
99001-0305	3 / 0,5	-	-	-	-
99001-0307	3 / 0,7	-	-	-	-
99001-0310	3 / 1	-	-	-	-
99001-0315	3 / 1,5	217 psi (15 bar)	188 psi (13 bar)	25	-
99001-0402	4 / 2	1160 psi (80 bar)	1000 psi (69 bar)	16	20
99001-4303	4,3 / 3	522 psi (36 bar)	449 psi (31 bar)	35	16
99001-0503	5 / 3	870 psi (60 bar)	754 psi (52 bar)	25	27
99001-0604	6 / 4	696 psi (48 bar)	594 psi (41 bar)	35	34
99001-0805	8 / 5	812 psi (56 bar)	696 psi (48 bar)	-	-
99001-0806	8 / 6	522 psi (36 bar)	449 psi (31 bar)	65	47
99001-0906	9 / 6	696 psi (48 bar)	594 psi (41 bar)	55	76
99001-1008	10 / 8	406 psi (28 bar)	348 psi (24 bar)	100	61
99001-1209	12 / 9	580 psi (40 bar)	493 psi (34 bar)	100	106
99001-1210	12 / 10	304 psi (21 bar)	261 psi (18 bar)	100	-
99001-1411	14 / 11	406 psi (28 bar)	348 psi (24 bar)	140	127
99001-1613	16 / 13	348 psi (24 bar)	304 psi (21 bar)	175	152

## Plastic tube FEP

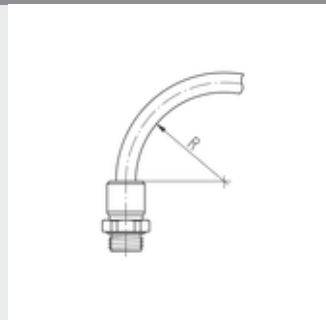
- Made of fluorinated ethylene-propylene copolymer (FEP)
- Color natural, transparent
- External calibration; for use with Eisele plug connectors
- Temperature range -31 to 248 °F (-35 to +120 °C)
- Operating pressure = burst pressure: Safety (common factor 2 to 3)
- Very flexible
- Free of plasticizer and copper
- Flame-retardant according to UL94 V0 to V2
- Resistant to UV, hydrolysis and microbes
- Stabilized against thermal degradation and light
- FDA compliant according to 21 CFR 177.2600
- Suitable for vacuum



Part no.	Outside Ø / Inside Ø	Minimum burst pressure		min. allowable bend radius	g/m
		at 68°F (20°C)	at 140°F (60°C)		
99501-0402	4 / 2	1218 psi (84 bar)	1015 psi (70 bar)	25	21
99501-0503	5 / 3	870 psi (60 bar)	754 psi (52 bar)	35	28
99501-0604	6 / 4	725 psi (50 bar)	580 psi (40 bar)	40	35
99501-0806	8 / 6	522 psi (36 bar)	420 psi (29 bar)	65	49
99501-0906	9 / 6	-	-	55	79
99501-1008	10 / 8	406 psi (28 bar)	319 psi (22 bar)	100	63
99501-1209	12 / 9	-	-	100	110

## Plastic tube PFA

- Made of Perfluoro Alkoxyalkane (PFA)
- Color natural
- External calibration; for use with Eisele plug connectors
- Temperature range -4 to 302 °F (-20 to +150 °C)
- Operating pressure = burst pressure: Safety (common factor 2 to 3)
- Free of plasticizer and PWIS
- Resistant to UV, hydrolysis, microbes and solvents
- Stable against thermal degradation
- Resistant to weld spatter
- FDA compliant according to 21 CFR 177.2600
- Suitable for vacuum



Part no.	Outside Ø / Inside Ø	Minimum burst pressure		min. allowable bend radius	g/m
		at 68°F (20°C)	at 140°F (60°C)		
99221-0425	4 / 2,5	884 psi (61 bar)	725 psi (50 bar)	25	12
99221-0403	4 / 3	464 psi (32 bar)	493 psi (34 bar)	35	12
99221-0604	6 / 4	783 psi (54 bar)	638 psi (44 bar)	40	34
99221-0806	8 / 6	464 psi (32 bar)	493 psi (34 bar)	70	49
99221-0906	9 / 6	783 psi (54 bar)	638 psi (44 bar)	65	49
99221-1007	10 / 7	710 psi (49 bar)	580 psi (40 bar)	75	87
99221-1209	12 / 9	464 psi (32 bar)	493 psi (34 bar)	100	125
99221-1210	12 / 10	391 psi (27bar)	319 psi (22 bar)	150	-
99221-1412	14 / 12	333 psi (23 bar)	246 psi (17 bar)	-	-
99221-1614	16 / 14	290 psi (20 bar)	217 psi (15 bar)	-	-

## Tube cutter



- For compressed-air tubes with outer- $\varnothing$  14 mm
- Material plastic black / steel
- Packaging unit 1 piece

Part no.		g/piece
99605-0014	Tube cutter for outer diameter up to 14	30
99605-00149	Spare blade for outer diameter up to 14	1

## Tube cutter



- For compressed-air tubes with outer- $\varnothing$  22 mm
- Material zinc die-casting / steel
- Packaging unit 1 piece

Part no.		g/piece
99606-0022	Tube cutter for outer diameter up to 22 (with bag)	240
99606-00229	Spare blade for outer diameter up to 22	2



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Adaptive inset with shut-off, 1 seal.....	21-23,27,29,31,34,36,38,41,43,45
Adaptive inset with shut-off, 2 seals.....	21-23,28,30,32,35,37,39,42,44,46
Adaptive inset without shut-off, 1 seal .....	21-23,27,29,31,34,36,38,41,43,45
Adaptive inset without shut-off, 2 seals.....	21-23,27,29,31,34,36,38,41,43,45
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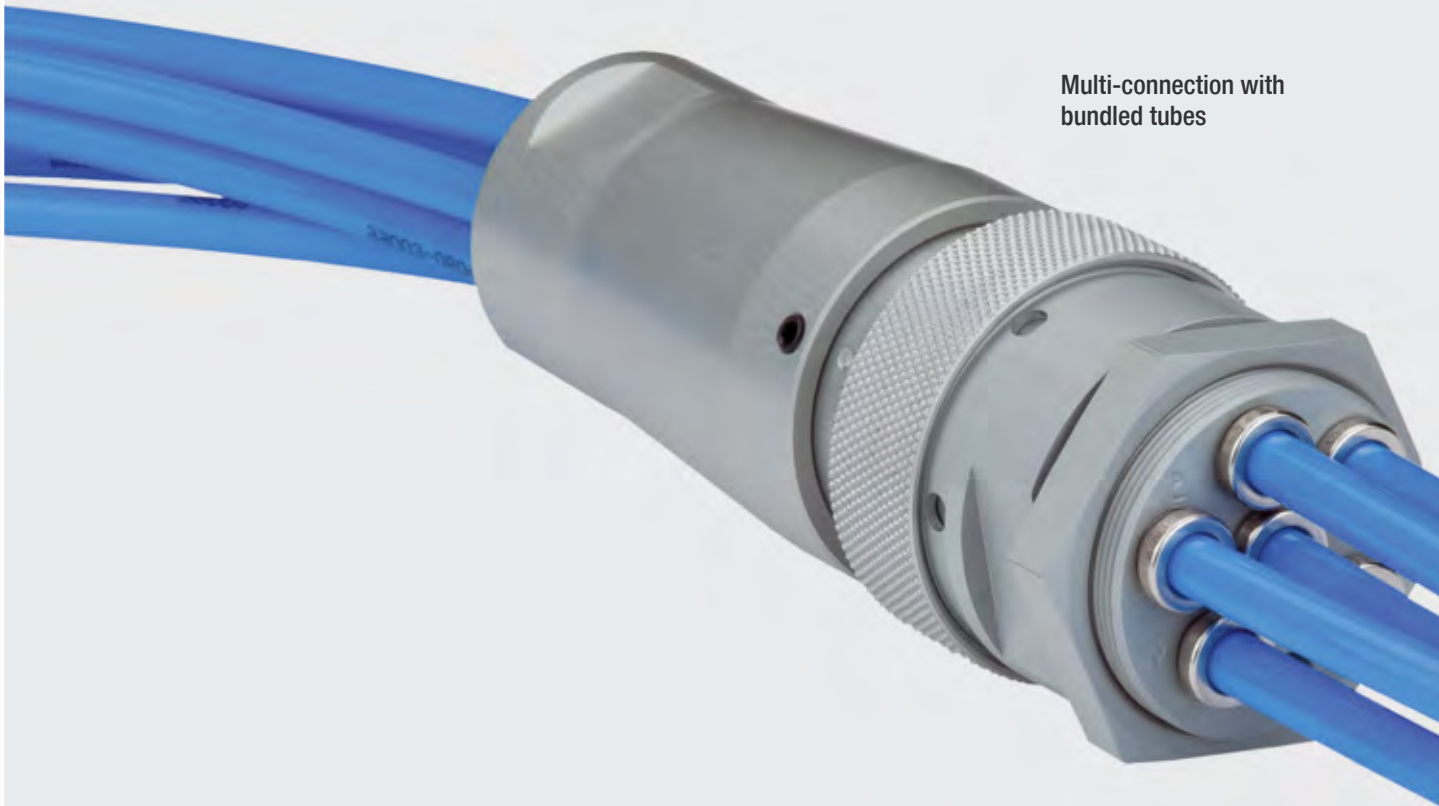








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**1** Customers in the **pharmaceutical and medical technology sectors** demand extreme precision combined with maximum cleanliness of the tubing system.

**2** Hygiene and rugged construction play an important role in the **food industry**. The connections used here are mainly made of stainless steel.

**3** When complex machines have to be fed by a **central lubrication system**, the media have to be very precisely dosed, and the connections and tubing need long lifetimes.

**4** The connection technology for **paint spraying systems** needs dead-space-free tubing systems, and components capable of fast and residue-free cleaning.

**5** An important factor for tubing technology in **welding systems** is that the connections and the tubes are flame-proof and resistant to weld spatter.

**6** If the complete **pipng system** is used as a **pressure reservoir** in compressed air systems, all the components must be pressure-tight and leak-proof.





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