

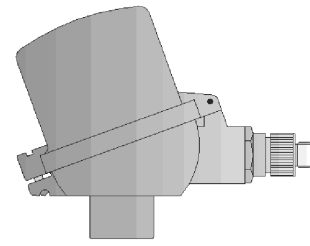
Connector heads

Connector heads are available in raw materials such as aluminium, plastic and stainless steel. When selecting the appropriate connector head the following must be considered :

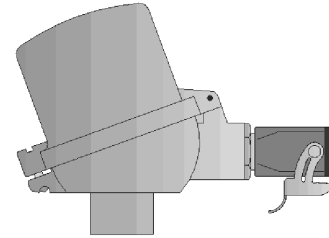
- the required level of protection
- the chemical resistance
- the local circumstances

The corrosion resistance of a metal connector head is increased by painting or adding a plastic-coating.

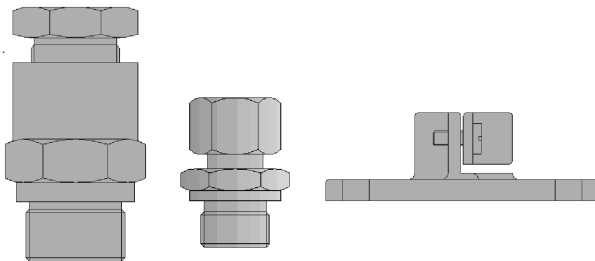
The suitable cable gland depends on the diameter and insulation of the supply cable used. The standard pressure screw M20 x 1.5 mm is suitable for a cable with a diameter of 7.0 to 13.0 mm. Besides the standard pressure screw, even the cable glands, Harting-connectors, Lemo-connectors or Profibus-connectors can be used.



Connector Head BUZH with Profibus-connector M12



Connector Head BUZH with Harting-connector and coupler



Process connections

In order to fix the temperature measurement in the process, clamp connections, gas-tight threaded sockets or stop flanges are used for the resistance thermometer and thermocouples without a protective fitting or with a protective fitting for inserting.

Transducers

Temperature measuring transducers can be integrated smoothly into the connector head. The assembly is preferably carried out in the elevated lid of the connector head, so that a smooth exchange of the gauge slide can be ensured.

If the user has not provided any specifications regarding the manufacturer and the design of the measuring transducer, then SCHRAMM will deliver the measuring transducer suitable for the application independently, after consultation with the manufacturer.

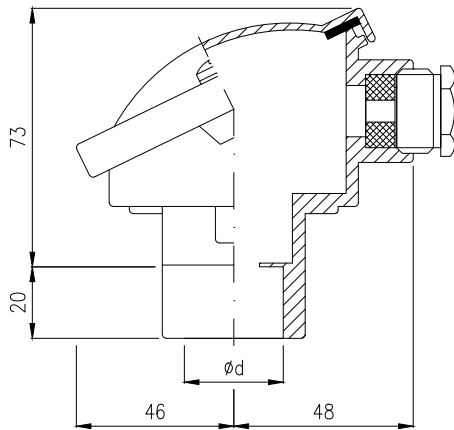
The following types of measuring transducer are available for selection:

- Analogue measuring transducer
 - Digital measuring transducer
 - Measuring transducer with HART®-protocol
 - Measuring transducer for profibus PA®
- Measuring transducer for foundation Fieldbus®



Connector head A

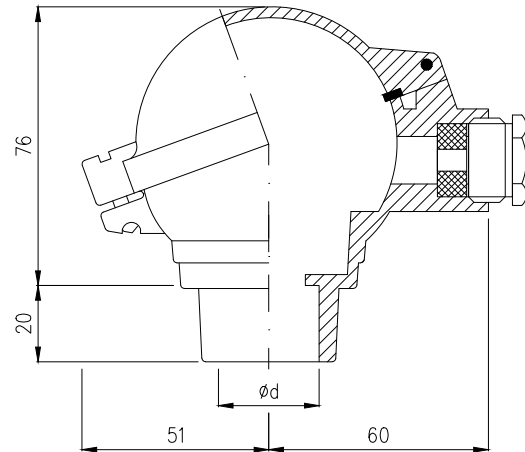
Raw material: Aluminium
Loose lid with 2 screws
Assembly of a transmitter is possible



Connection type Ød	Article number
d = Ø 22,3 mm IP53	AKA22
d = Ø 27,3 mm IP53	AKA27
d = Ø 32,3 mm IP53	AKA32

Connector head AUZ

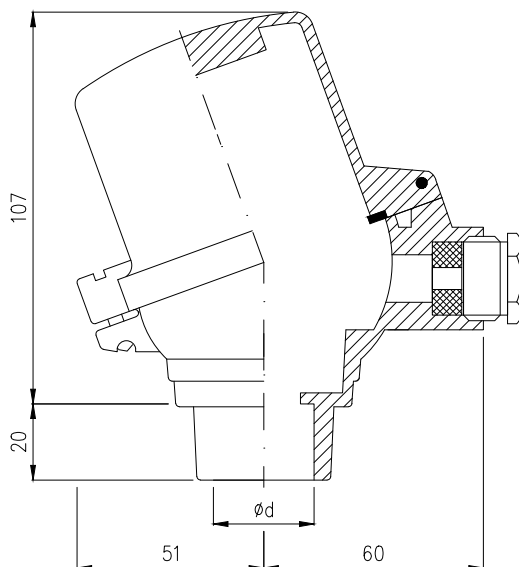
Raw material: Aluminium
Hinged lid with a screw
Assembly of a transmitter is possible



Connection type Ød	Article number
d = Ø 22,3 mm IP53	AKAUZ22
d = Ø 27,3 mm IP53	AKAUZ27
d = Ø 32,3 mm IP53	AKAUZ32

Connector head AUZH

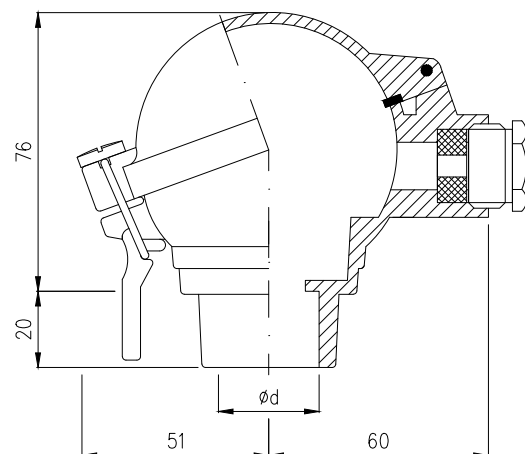
Raw Material: Aluminium
Hinged lid with a screw
Assembly of two transmitters is possible



Connection type Ød	Article number
d = Ø 22,3 mm IP53	AKAUZH22
d = Ø 27,3 mm IP53	AKAUZH27
d = Ø 32,3 mm IP53	AKAUZH32

Connector head AUS

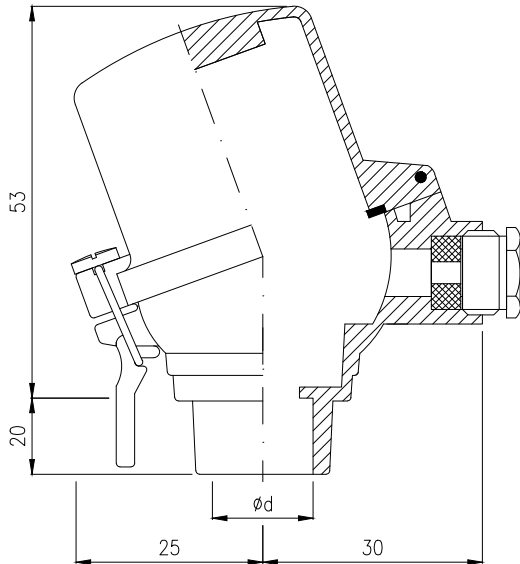
Raw Material: Aluminium
Hinged lid with a snap lock
Assembly of one transmitter is possible



Connection type Ød	Article number
d = Ø 22,3 mm IP53	AKAUS22
d = Ø 27,3 mm IP53	AKAUS27
d = Ø 32,3 mm IP53	AKAUS32

Connector head AUSH

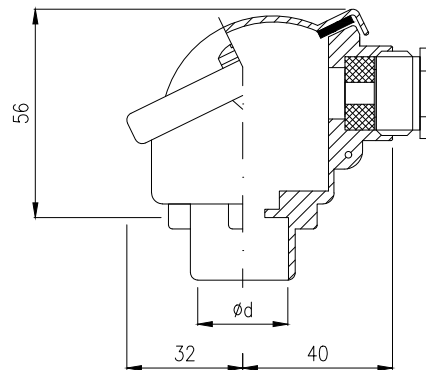
Raw material: Aluminium
 Hinged lid with a snap lock
 Assembly of two transmitters is possible



Connection type Ød	Article number
d = Ø 22,3 mm IP53	AKAUZH22
d = Ø 27,3 mm IP53	AKAUZH27
d = Ø 32,3 mm IP53	AKAUZH32

Connector head B

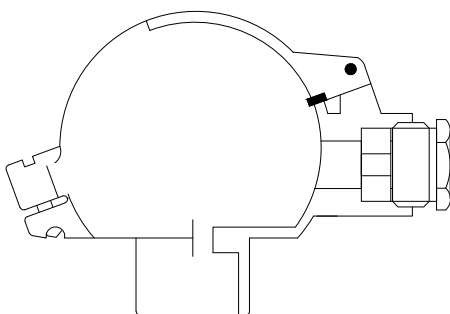
Raw Material: Aluminium
 Loose lid with 2 screws
 Assembly of a transmitter is possible



Connection type Ød	Article number
d = M24 x 1,5 IP54	AKB24
d = Ø 15,3 mm IP53	AKB15

Connector head BUZ

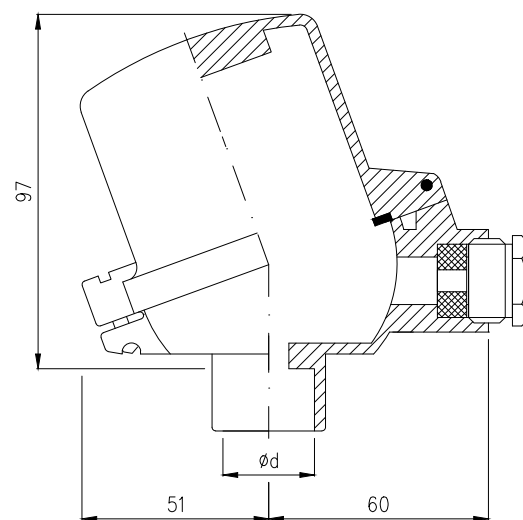
Raw Material: Aluminium
 Hinged lid with a screw
 Assembly of a transmitter is possible



Connection type Ød	Article number
d = M24 x 1,5 IP65	AKBUZ24
d = Ø 15,3 mm IP53	AKBUZ15
d = Ø 22,3 mm IP53	AKBUZ22

Connector head BUZH

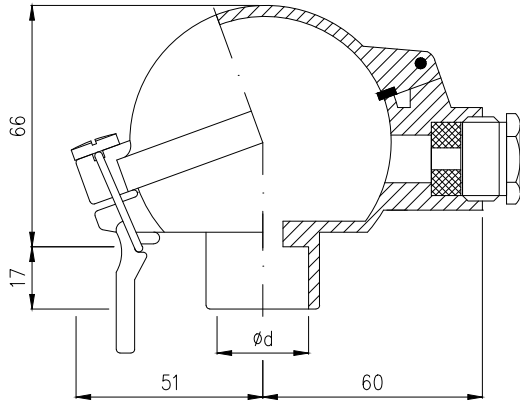
Raw Material: Aluminium
 Hinged lid with a screw
 Assembly of two transmitters is possible



connection type Ød	Article number
d = M24 x 1,5 IP65	AKBUZH24
d = Ø 15,3 mm IP53	AKBUZH15
d = Ø 22,3 mm IP53	AKBUZH22

Connector head BUS

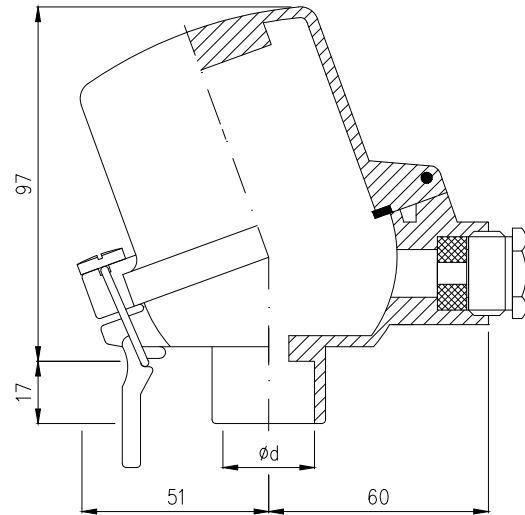
Raw material: Aluminium
hinged lid with a snap lock
Assembly of a transmitter is possible



Connection type Ød	Article number
d = M24 x 1,5 IP65	AKBUS24
d = Ø 15,3 mm IP53	AKBUS15
d = Ø 22,3 mm IP53	AKBUS22

Connector head BUSH

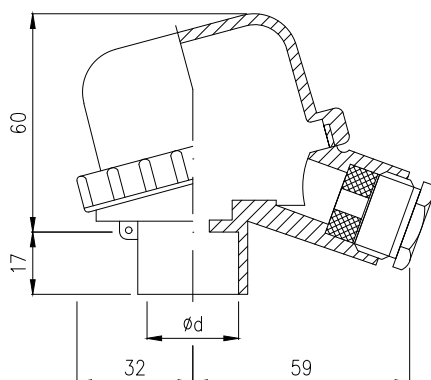
Raw material: Aluminium
hinged lid with a snap lock
Assembly of two transmitters is possible



Connection type Ød	Article number
d = M24 x 1,5 IP54	AKB24
d = Ø 15,3 mm IP53	AKB15

Connector head BBK

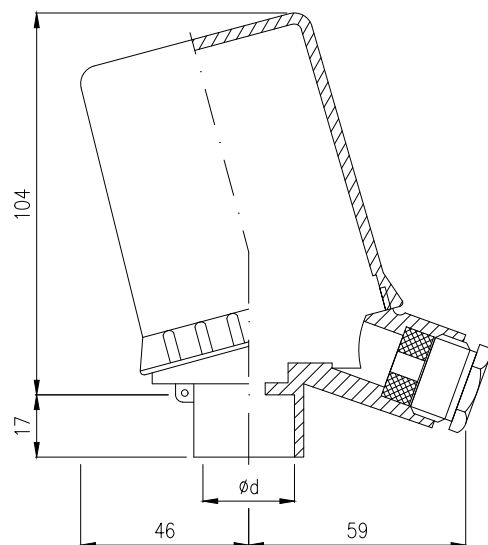
Raw material: Polyamide
Lose screw cap
Assembly of a transducer is possible



Connection type Ød	Article number
d = M24 x 1,5 IP65	AKBBK24
d = Ø 15,3 mm IP53	AKBBK15

Connector head BBKH

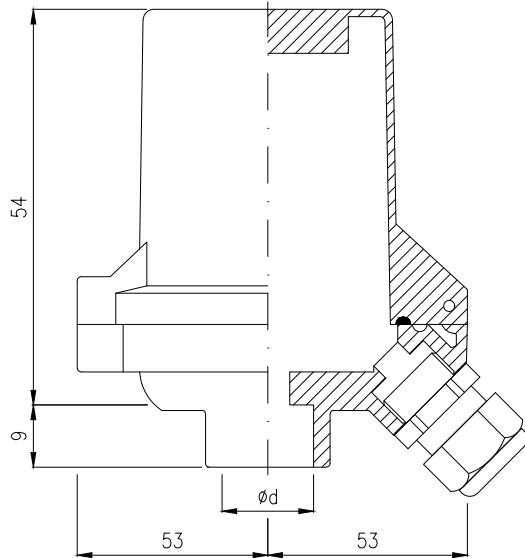
Raw material: Polyamide
Lose screw cap
Assembly of two transmitters is possible



Connection type Ød	Article number
d = M24 x 1,5 IP65	AKBBKH24
d = Ø 15,3 mm IP53	AKBBKH15

Connector head BUKH

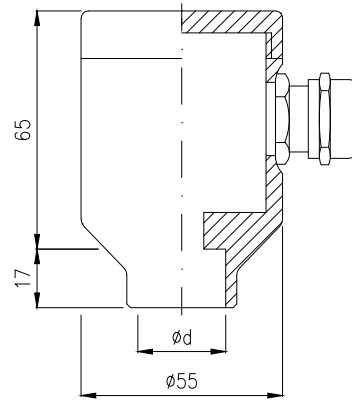
Raw material: Polyamide
 Hinged lid with a snap lock
 Assembly of two transmitters is possible



Connection type Ød	Article number
d = M24 x 1,5 IP65	AKBUKH

Connector head BV

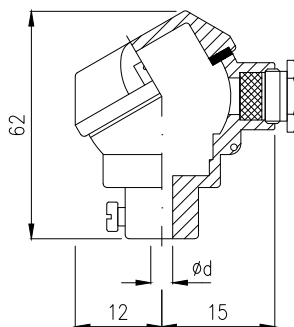
Raw material: Stainless steel
 Lose screw cap
 Assembly of a transducer is possible



Connection type Ød	Article number
d = M24 x 1,5 IP65	AKBV24

Connector head C

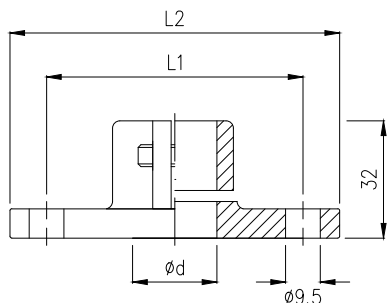
Raw material: Aluminium
 Lose lid with two screws
 Assembly of a transmitter is not possible



Connection type Ød	Article number
d = Ø 6 mm IP53	AKC6

Stop flange AF

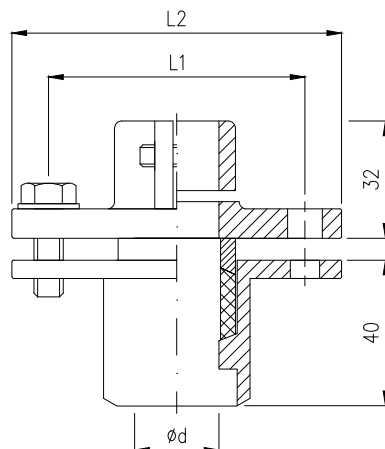
Raw material: Cast steel



Ød	L1	L2	Article number
15 mm	55 mm	75 mm	AF15
22 mm	70 mm	90 mm	AF22
32 mm	70 mm	90 mm	AF32

Stop and counter flange AGF

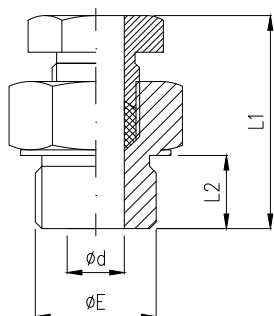
Raw material: Cast steel



Ød	L1	L2	Article number
15 mm	55 mm	75 mm	AGF15
22 mm	70 mm	90 mm	AGF22
32 mm	70 mm	90 mm	AGF32

Gas-tight threaded socket GM

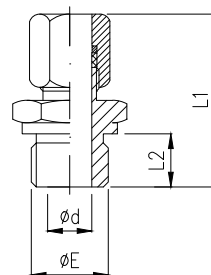
Raw material: Steel



Ød	ØE	L1	L2	Article number
15 mm	G3/4"	77 mm	18 mm	GM1534
15 mm	G1"	92 mm	25 mm	GM1510
22 mm	G1"	92 mm	25 mm	GM2210
32 mm	G1 1/4"	116 mm	30 mm	GM3214

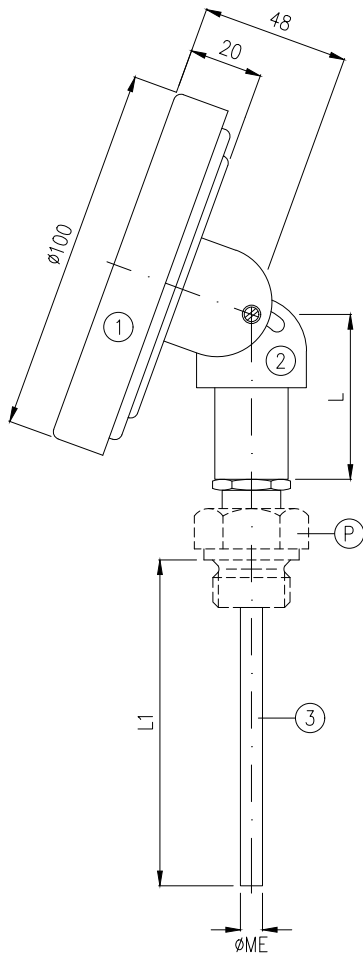
Clamp connection KV

Raw material: Stainless steel



The clamping ring is by default made of PTFE, but if a clamping ring made of stainless steel is required, then the article number must be completed with VA.

ØE	Ød	L1	L2	Article number
M8 x 1	3 mm	24 mm	8 mm	KV803..
G1/4"	3 mm	30 mm	12 mm	KV403..
G1/4"	6 mm	36 mm	12 mm	KV406..
G1/4"	8 mm	38 mm	12 mm	KV408..
G1/2"	6 mm	40 mm	12 mm	KV206..
G1/2"	8 mm	45 mm	12 mm	KV208..
G1/2"	12 mm	47 mm	14 mm	KV212..
G1/2"	14 mm	47 mm	14 mm	KV214..



Swivelling

Structure

Enclosure and bayonet ring made of stainless steel raw material 1.4301, Protection Class IP65

Clock-dial made of aluminium is painted white, printed black, angular deflection 270°

Clock-hands made of black anodised aluminium

The measuring element is an artificially aged bi-metal spring

The sensor tube is made of raw material 1.4571

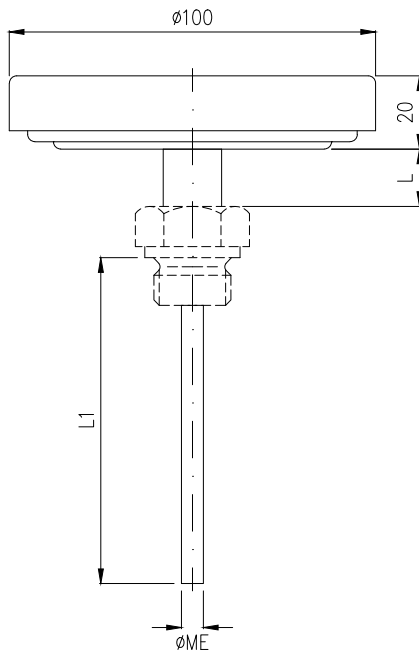
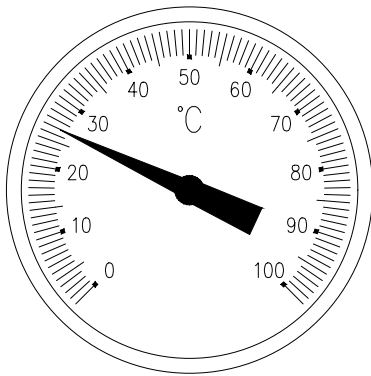
The types of enclosure available are: swivelling, horizontal and vertical

- ① Enclosure
- ② Type of enclosure
- ③ Sensor tube
- Ⓟ Mounting method

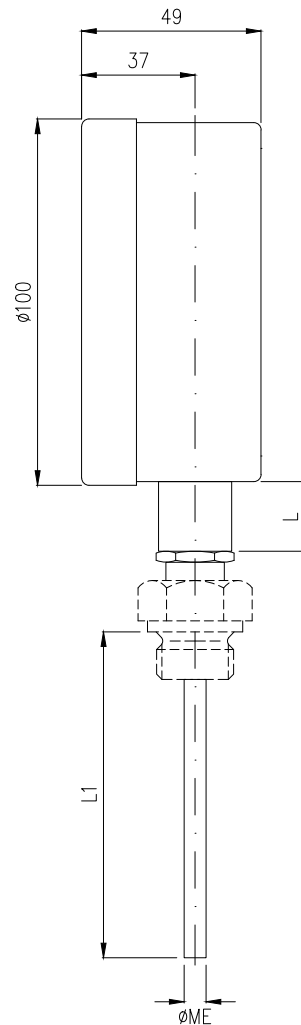
Enclosure		
ø 100 mm	1	01
ø 160 mm	2	
Type of enclosure		
Schwenkbar	1	02
Horizontal	2	
Vertikal	3	
measuring range		
0...+60°C	1	03
0...+80°C	2	
0...+100°C	3	
0...+120°C	4	
0...+160°C	5	
0...+200°C	6	
0...+250°C	7	
0...+300°C	8	
0...+400°C	9	
Please specify other versions in plain text	S	



Mounting type		
Firmly threaded pin G1/2"	1	05
Rotatable threaded pin G1/2"	2	
Firmly threaded pin 1/2"-NPT	3	
Rotatable threaded pin 1/2"-NPT	4	
Loose cap nut M24 x 1,5	5	
Please specify other versions in plain text		
Sensor tube		
∅ 6 mm	1	07
∅ 8 mm	2	



Horizontal



Vertical