



Standard ingold socket

- Safety variant
- All wetted materials can be tracked
- Part of the BBS modular system

Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with

	Type BBS-03 ▶ Fitting with welded connection according to DIN 11864-1 and BBS sterile contour
	Type BBS-05 ▶ Clamp connection with welded connection according to DIN 11864-3 and BBS-Sterile contour
	Type BBS-06 ▶ Sterile contour flange connection according to DIN 11864-2 with welded connection
	Type BBS-07 ▶ Sterile contour block flange

Type description

The BBS standard ingold sockets were designed that when the nut is unlocked, a possible pressure in the tank can release without completely loosening the ingold socket.

The standardisation of the safety ingold sockets enables the uniform use of different measuring devices.

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1. General technical data

Product properties	
Dimensions	Further information can be found in chapter "4. Dimensions" on page 4.
Materials	
Wetted	Stainless steel 1.4435/316L Special materials on request
Non-wetted	Stainless steel 1.4305/303 or equivalent
Membrane	Silicone
Seal	EPDM, FEP
Surface quality	Wetted surface: RA < Ra 0.76 µm (ASME BPE SF3), other surfaces on request
Performance data	
Operating pressure	0.2 bar abs...16 bar
Medium data	
Operating medium	Gases or liquids
Medium temperature	EPDM seal material: - 40 °C...+ 90 °C, short-term up to + 140 °C FEP seal material: - 60 °C...+ 160 °C, short-term up to + 205 °C
Process/Port connection & communication	
Nominal diameter	DN 25, DN 40
Approvals and conformities	
Certificate	Material certificate 3.1
Foods and beverages/Hygiene	
FDA	Further information can be found in chapter "2.4. Foods and beverages/Hygiene" on page 3.
USP	Further information can be found in chapter "2.4. Foods and beverages/Hygiene" on page 3.
Environment and installation	
Ambient temperature	- 20...+ 80 °C

2. Approvals and conformities

2.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available variants can be supplied with the below mentioned approvals or conformities.

2.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

2.3. Standards

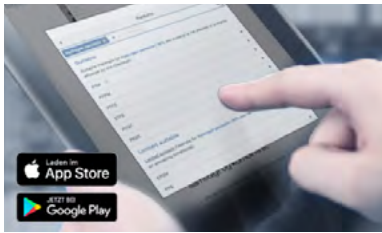
The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

2.4. Foods and beverages/Hygiene

Conformity	Description
FDA	FDA – Code of Federal Regulations The seals made of EPDM and FEP are compliant with the Code of Federal Regulations published by the FDA (Food and Drug Administration, USA), according to the manufacturer's declaration.
USP	United States Pharmacopeial Convention (USP) The seals made of EPDM and FEP are biocompatible according to the manufacturer's declaration.

3. Materials

3.1. Bürkert resistApp



Bürkert resistApp – Chemical resistance chart

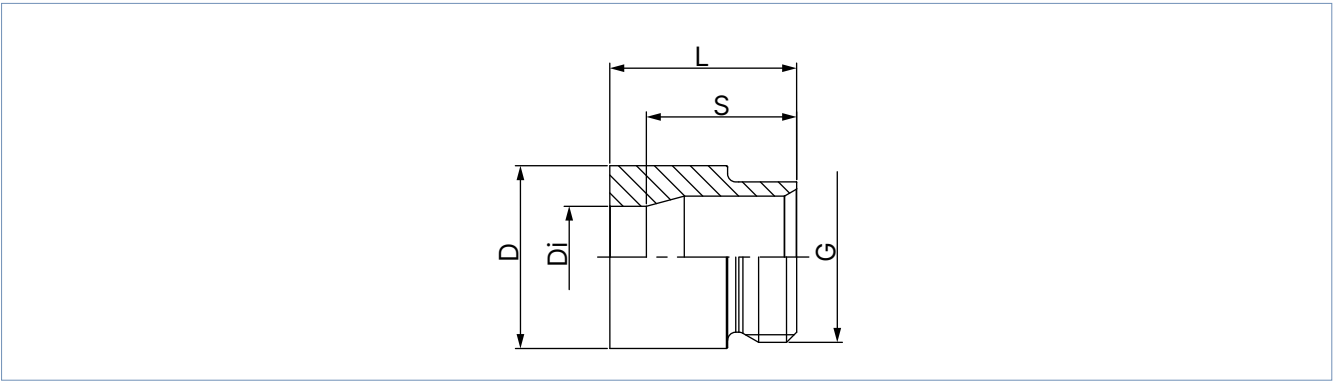
You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

[Start chemical resistance check](#)

4. Dimensions

4.1. Safety ingold socket

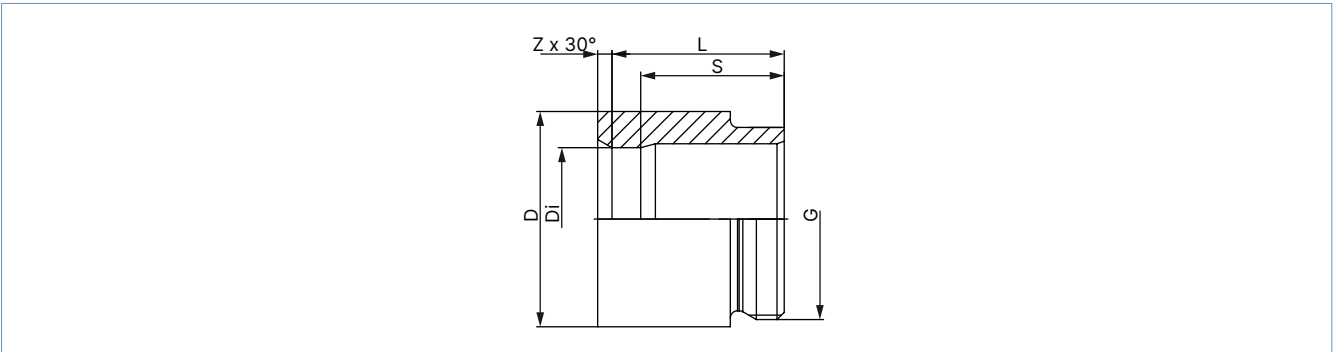
Safety ingold socket, straight



Nominal diameter	D	Di ^{1.)}	L	S	G	Article no.
	[mm]	[mm]	[mm]	[mm]		
DN 25	45	25	46	37	G 1¼	737214
DN 40	60	40	48	40	M56 × 2	748929

1.) After welding, the hole must be reamed to the nominal size.

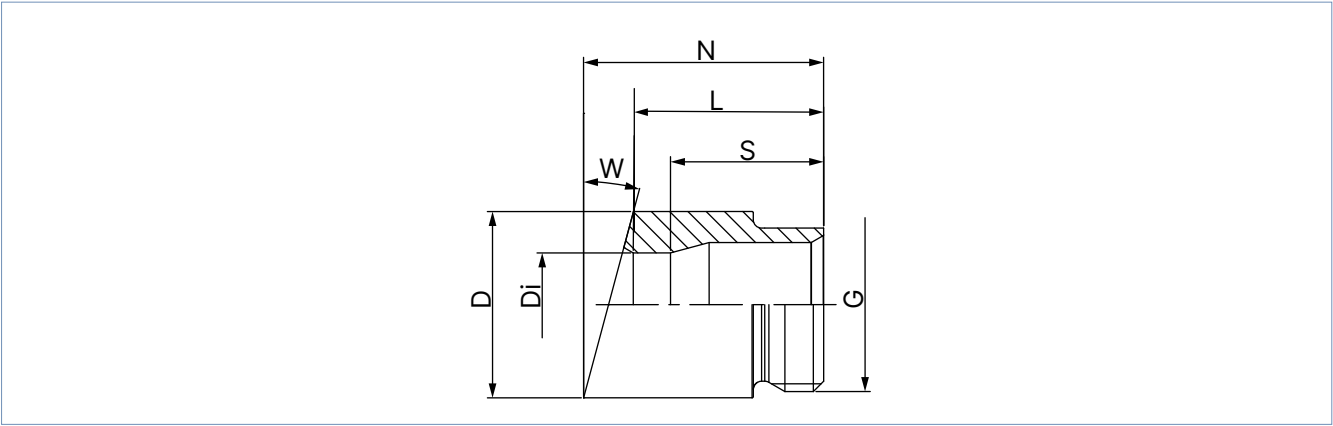
Safety ingold socket, straight, with chamfer



Nominal diameter	D	Di ^{1.)}	L	S	G	Z	Article no.
	[mm]	[mm]	[mm]	[mm]		[mm]	
DN 25	45	25	46	37	G 1¼	2	737237
DN 40	60	40	48	40	M56 × 2	4	748928

1.) After welding, the hole must be reamed to the nominal size.

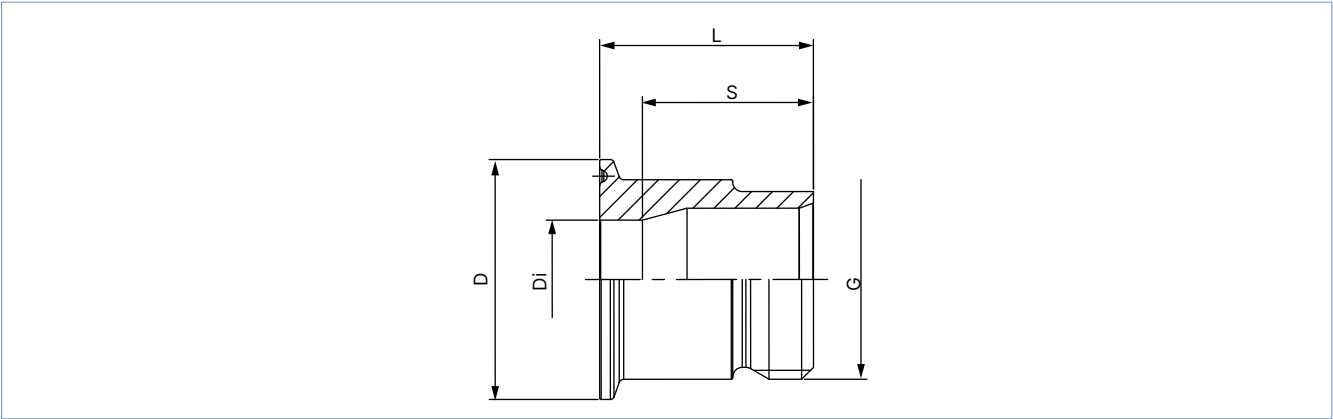
Safety ingold socket, angular, 15°



Nominal diameter	D [mm]	Di ^{1.)} [mm]	N [mm]	L [mm]	S [mm]	G	W	Article no.
DN 25	45	25	55	46	37	G 1¼	15°	737260
DN 40	60	40	64	48	37	M56 × 2	15°	747987

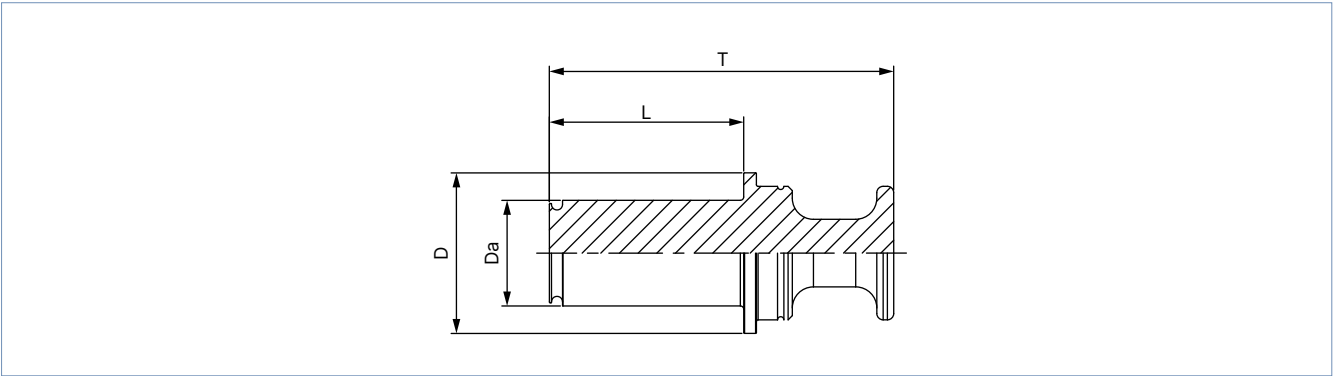
1.) After welding, the hole must be reamed to the nominal size.

4.2. Clamp



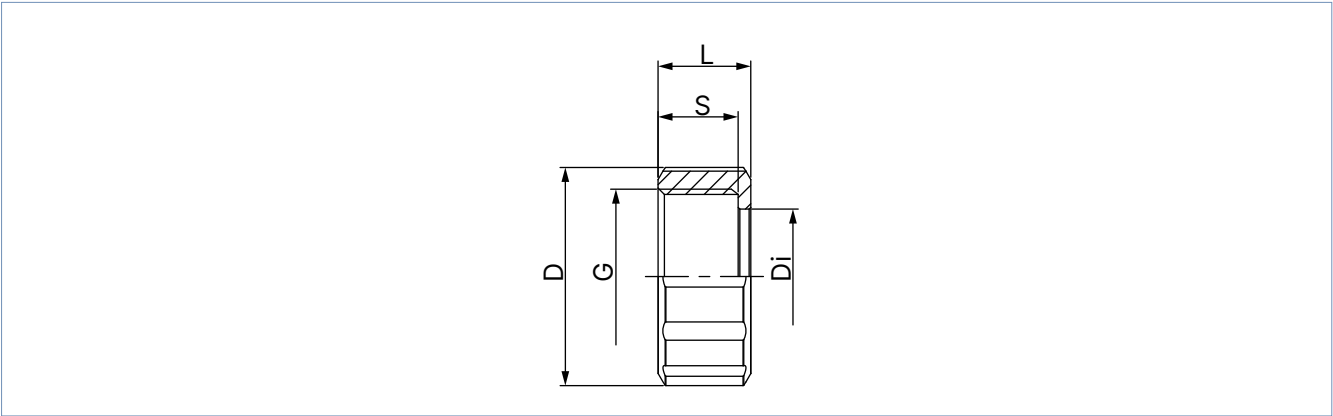
Nominal diameter	D [mm]	Di [mm]	L [mm]	S [mm]	G	Article no.
DN 25	50.5	25	46	37	G 1¼	743777
DN 40	64	40	48	40	M56 × 2	on request

4.3. Safety ingold plug



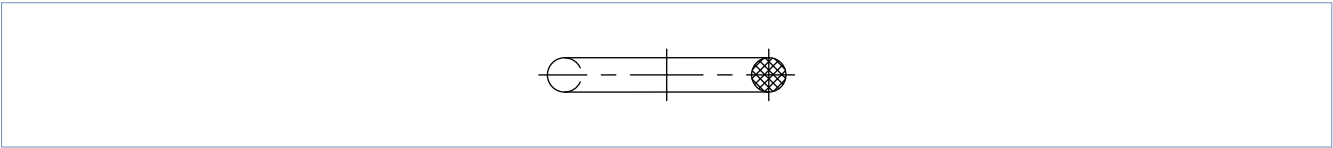
Nominal diameter	D	Da	T	L	Article no.
	[mm]	[mm]	[mm]	[mm]	
DN 25	38	25	81.5	46	743071
DN 40	50	40	82	48	747988

4.4. Ingold nut



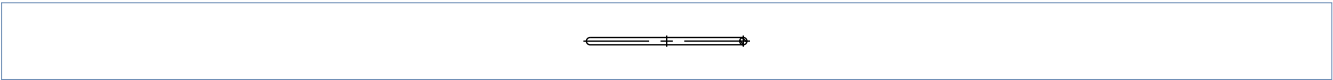
Nominal diameter	D	Di	L	S	G	Article no.
	[mm]	[mm]	[mm]	[mm]		
DN 25	52	32	22	19	G 1¼	737017
DN 40	69	44	22	19	M56 × 2	737037

4.5. O-ring for ingold plug



Nominal diameter	Dimensions	Article no. EPDM	Article no. FEP
DN 25	Ø20.24 × 2.62	731443	731445
DN 40	Ø35 × 2.5	731155	907026

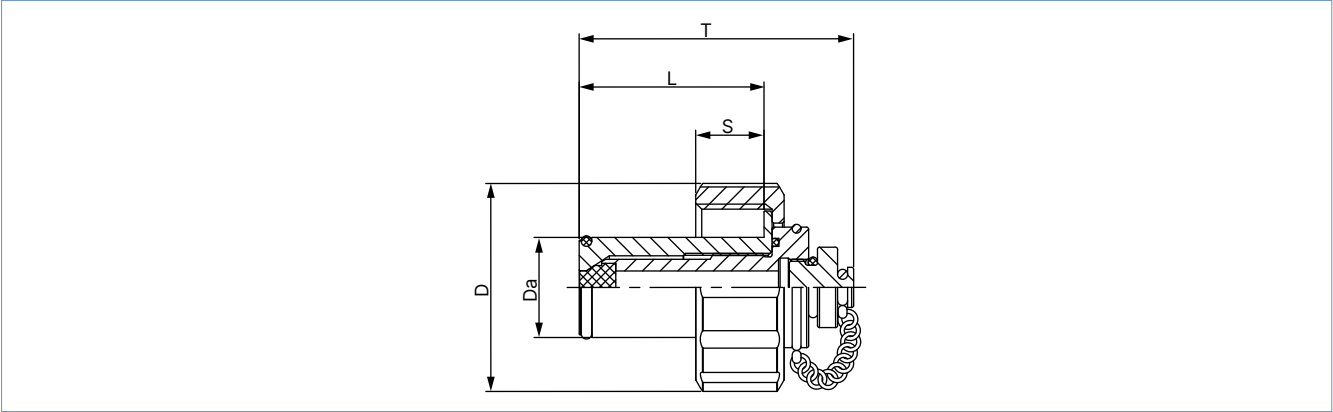
4.6. Locking ring for ingold nut



Nominal diameter	Article no.
DN 25	738495
DN 40	731885

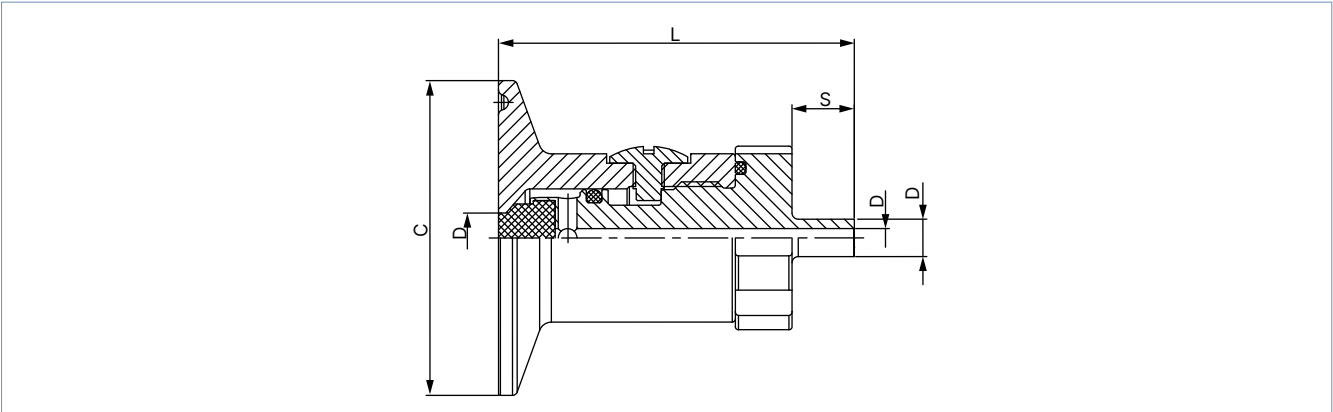
4.7. Aseptic sampling system

Aseptic sampling system for ingold



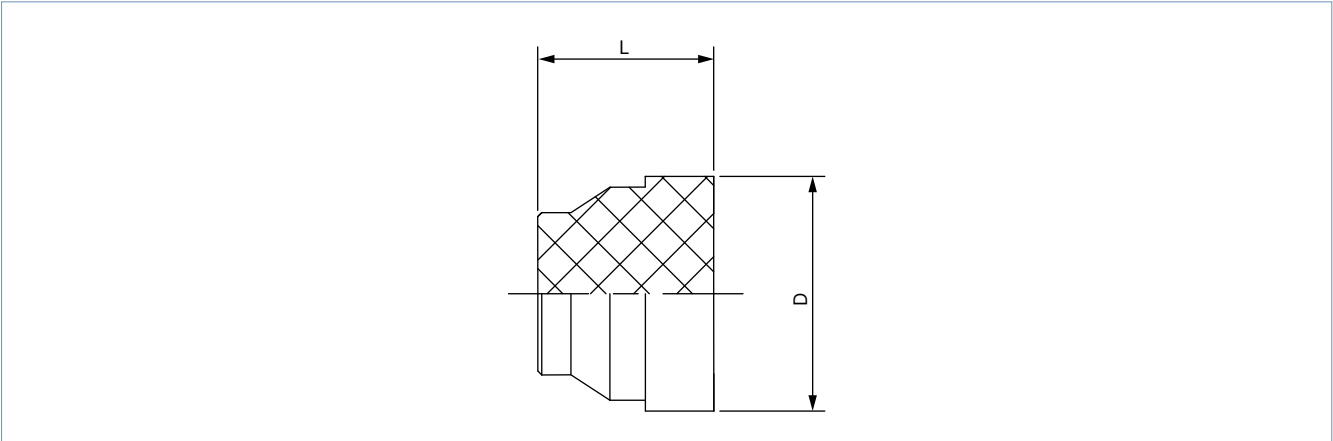
Nominal diameter	D	Da	T	L	S	Article no.
	[mm]	[mm]	[mm]	[mm]	[mm]	
DN 25	52	25	68	46	17	743320
DN 40	69	40	–	–	–	on request

Aseptic sampling system for clamp connection



Nominal diameter	C [mm]	D [mm]	Da [mm]	Di [mm]	L [mm]	S [mm]	Article no.
DN 10	25	8	6	3	57	10	743090 
DN 25	50.5	8	6	3	57	10	743051 

4.8. Silicone replacement diaphragm



Nominal diameter	D [mm]	L [mm]	Article no.
DN 25	12	8.5	731617 
DN 40	12	8.5	731617 

5. Ordering information

5.1. Bürkert eShop



Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

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5.2. Bürkert product filter



Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

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5.3. Ordering chart

Note:

Further information can be found in chapter **"4. Dimensions"** on page 4.