Hose fittings

- Excellent sealing connection with platinum-cured silicone hoses BBS-04
- All materials in contact with media can be traced
- Reusable hose fittings
- Suitable for CIP and SIP

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

Can be combined with

Type BBS-04
Platinum-cured peroxide-free silicone hose

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

These hose fittings are specially designed for use with BBS-04 silicone hoses. Depending on the required hose size the corresponding connection is to be selected.
The hose fittings are part of the BBS modular system.

DTS 1000148886 EN Version: - Status: RL (released | freigegeben | valide) printed: 28.10.2026

© Christian Bürkert GmbH & Co. KG, Subject to alteration

Visit product website

Table of contents

1. General technical data 3

2. Approvals and conformities 3

2.1. Conformity 3
2.2. Standards 3

3. Materials 3

3.1. Bürkert resistApp 3

4. Dimensions 4

4.1. Hose union with welded connection 4
4.2. Hose union with clamp connection according to DIN 32676 5
4.3. Hose union with BBS sterile contour (male) 6
4.4. Hose union with BBS sterile clamp connection (male) 7
4.5. Hose union with BBS sterile clamp connection (female) 8

5. Device/Process connections 9

5.1. Suitable hoses for hose unions 9

6. Ordering information 9

6.1. Bürkert eShop 9
6.2. Bürkert product filter 10
6.3. Ordering chart 10

DTS 1000148886 EN Version: - Status: RL (released | freigegeben | valide) printed: 28.10.2026

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
Surface quality	Wetted surface: RA < Ra 0.76 µm (ASME BPE SF3), other surfaces on request
Performance data	
Operating pressure	See **datasheet Type BBS-04** ▶
Medium data	
Operating medium	Gases or liquids
Medium temperature	See **datasheet Type BBS-04** ▶
Process/Port connection & communication	
Nominal diameter	DIN DN 08...DN 50 ISO DN 08...DN 50 ASME DN ¼"...DN 2" Customised solutions on request
Approvals and conformities	
Certificate	Material certificate 3.1
Environment and installation	
Ambient temperature	- 20...+ 80 °C

2. Approvals and conformities

2.1. Conformity

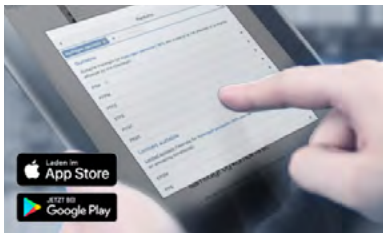
In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

2.2. 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.

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.

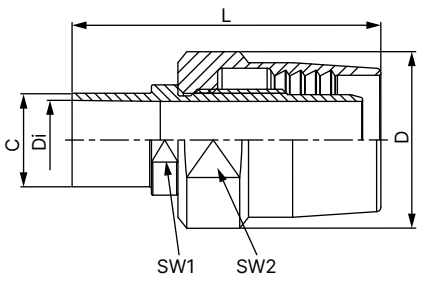
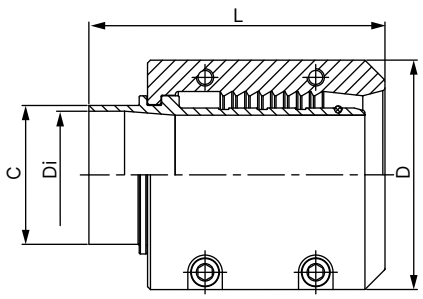
Start chemical resistance check

DTS 1000148886 EN Version: - Status: RL (released | freigegeben | valide) printed: 28.10.2026

4. Dimensions

4.1. Hose union with welded connection

Note:
A completely gap-free connection feature can only be guaranteed in combination with BBS-04 silicone hoses. Further information can be found in **datasheet Type BBS-04** ▶.s.

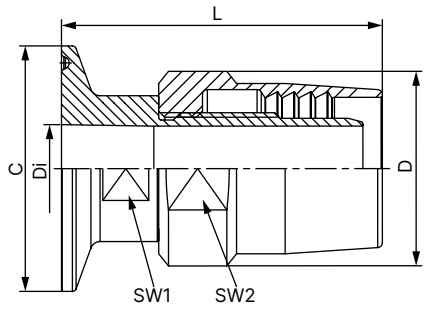
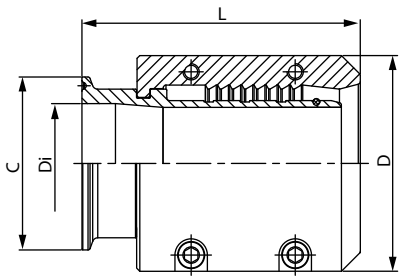
DN 04...32, DN ¼"...1"	DN 40...50, DN 1 ½"...2"
	

Nominal diameter	C [mm]	Di [mm]	L [mm]	D [mm]	SW1 [mm]	SW2 [mm]	Article no.
DIN							
DN 08	10	8	50	22	13	20	742290
DN 10	12	10	54	27.7	15	24	742292
DN 10	13	10	54	27.7	15	24	742293
DN 15	19	16	61.5	29.7	21	27	742295
DN 20	23	20	73	38.6	24	36	742296
DN 25	29	26	84	49.5	32	46	743772
DN 32	35	32	96	57	41	55	742298
DN 40	41	38	98.7	74	–	–	742299
DN 50	53	50	114	92	–	–	742300
ISO							
DN 08	13.5	10.3	54	27.7	14	24	742302
DN 10	17.2	14	61.5	29.7	19	27	742304
DN 15	21.3	18.1	70	38.6	22	36	742306
DN 20	26.9	23.7	84	49.5	32	46	742308
DN 25	33.7	29.7	96	57	41	55	742309
DN 32	42.4	38.4	85.6	74	–	–	742310
DN 40	48.3	44.3	102.8	79.8	–	–	742311
DN 50	60.3	56.3	114	92	–	–	742312
ASME							
DN ¼"	6.35	4.57	42.3	22	22	17	742313
DN ⅜"	9.53	7.75	54	27.7	14	24	742314
DN ½"	12.7	9.4	64	29.7	32	27	742315
DN ¾"	19.05	15.75	78.9	38.6	22	36	742316
DN 1"	25.4	22.1	95	49.5	32	46	742317
DN 1½"	38.1	34.8	100.8	74	–	–	742318
DN 2"	50.8	47.5	101.8	79.8	–	–	742319

DTS 1000148886 EN Version: - Status: RL (released | freigegeben | valide) printed: 28.10.2026

4.2. Hose union with clamp connection according to DIN 32676

Note:
A completely gap-free connection feature can only be guaranteed in combination with BBS-04 silicone hoses. Further information can be found in **datasheet Type BBS-04** ▶.

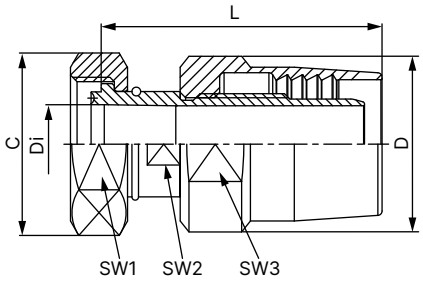
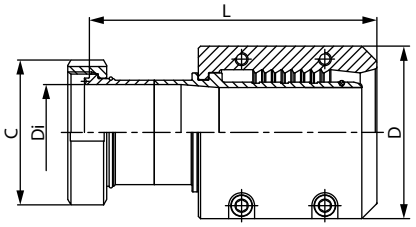
DN 04...32, DN ¼"...1"	DN 40...50, DN 1½"...2½"
	

Nominal diameter	C [mm]	Di [mm]	L [mm]	D [mm]	SW1 [mm]	SW2 [mm]	Article no.
DIN							
DN 08	25	8	39.5	22	17	20	742106
DN 10	25	10	49	21.7	17	24	742107
DN 15	34	16	50	29.7	19	27	742108
DN 20	34	20	64	38.6	22	36	742109
DN 25	50.5	26	78.5	49.5	32	46	742111
DN 32	50.5	32	90	56	41	54	744803
DN 40	50.5	38	89.7	74	–	–	742112
DN 50	64	50	122.5	92	–	–	742114
ISO							
DN 08	25	10.3	49	21.7	17	24	742223
DN 10	34	10	49	27.7	17	24	742153
DN 15	50.5	18.1	66	40	27	36	742119
DN 20	50.5	23.7	78.5	49.5	32	46	742226
DN 25	50.5	29.7	96	57	41	55	742127
DN 32	64	38.4	89.7	74	–	–	742135
DN 40	64	44.3	101.8	78.8	–	–	742139
DN 50	77.5	56.3	124	92	–	–	742140
ASME							
DN ¼"	25	4.57	38.5	19.8	14	17	743031
DN ⅜"	25	7.75	49	21.7	17	24	741989
DN ½"	25	9.4	50	29.7	19	27	741993
DN ¾"	25	15.75	66	40	27	36	741995
DN 1"	50.5	22.1	78.5	49.5	32	46	742001
DN 1½"	50.5	34.8	92.9	74	–	–	742007
DN 2"	64	47.5	102	79.8	–	–	742017
DN 2½"	77.5	60.2	123	92	–	–	743239

DTS 1000148886 EN Version: - Status: RL (released | freigegeben | valide) printed: 28.10.2026

4.3. Hose union with BBS sterile contour (male)

Note:
A completely gap-free connection feature can only be guaranteed in combination with BBS- 04 silicone hoses. Further information can be found in **datasheet Type BBS- 04** ▶.

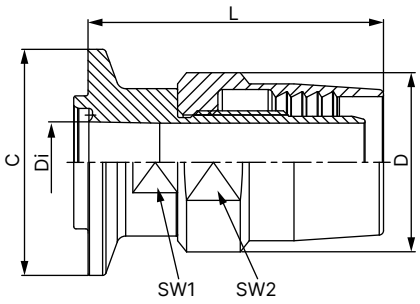
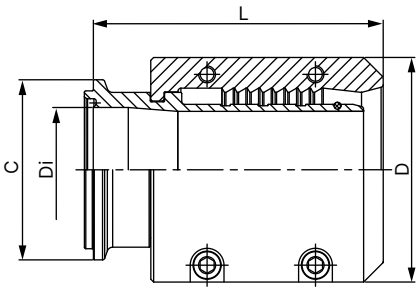
DN 04...32, DN ¼"...1"	DN 40...50, DN 1½"...2"
	

Nominal diameter	C [mm]	Di [mm]	L [mm]	D [mm]	SW1 [mm]	SW2 [mm]	SW3 [mm]	Article no.
DIN								
DN 04	21.9	4	40	17.8	19	8	14	742027
DN 06	21.9	6	40	19.8	19	10	17	742030
DN 08	24.5	8	42.3	22	22	11	20	742034
DN 10	31.2	10	49	27.7	27	14	24	742056
DN 15	36.5	16	52	29.7	36	21	27	742040
DN 20	48.3	20	65	38.6	42	22	36	742042
DN 25	52	26	77	49.5	–	32	46	742043
DN 32	62	32	87.7	56	–	41	54	742046
DN 40	67	38	152.5	79.8	–	–	–	742048
DN 50	80	50	169.4	92	–	–	–	742050
ISO								
DN 08	31.2	10.3	49	27.7	27	14	24	742056
DN 10	36.5	14	52	29.7	32	19	27	742066
DN 15	41.6	18.1	64	38.6	36	22	36	742072
DN 20	48	23.7	79.3	49.5	42	28	46	742083
DN 25	52	29.7	121	57	46	32	55	742086
DN 32	62	38.4	111	74	–	–	–	742088
DN 40	67	44.3	132.8	79.8	–	–	–	742090
DN 50	80	56.3	144	92	–	–	–	742091
ASME								
DN ¼"	21.9	4.57	42.3	22	22	11	17	742092
DN ⅜"	21.9	7.7	49	27.7	27	14	24	742093
DN ½"	24.5	9.4	52	29.7	32	19	27	742094
DN ¾"	31.2	15.75	65	38.6	42	22	36	742095
DN 1"	36.5	22.1	79.3	49.5	42	28	46	742096
DN 1 ½"	62	34.8	133.4	74	–	–	–	742097
DN 2"	80	47.5	144.6	79.8	–	–	–	744798

DTS 1000148886 EN Version: - Status: RL (released | freigegeben | valide) printed: 28.10.2026

4.4. Hose union with BBS sterile clamp connection (male)

Note:
A completely gap-free connection feature can only be guaranteed in combination with BBS-04 silicone hoses. Further information can be found in **datasheet Type BBS-04** ▶.

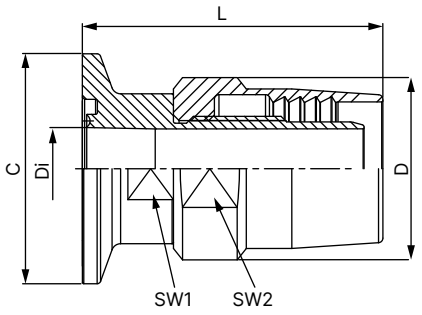
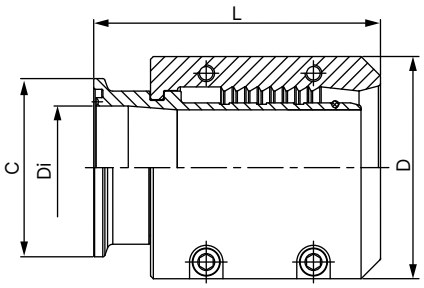
DN 04...32, DN ¼"...1"	DN 40...50, DN 1 ½"...2"
	

Nominal diameter	C [mm]	Di [mm]	L [mm]	D [mm]	SW1 [mm]	SW2 [mm]	Article no.
DIN							
DN 04	25	4	36.25	17.8	10	14	731524
DN 06	25	6	38.5	19.8	14	17	731526
DN 08	25	8	39.5	22	11	20	731528
DN 10	25	10	48.8	27.7	17	24	731534
DN 15	50.5	16	52	29.7	21	27	744899
DN 20	50.5	20	63.8	38.6	22	36	731535
DN 25	50.5	26	78.5	49.5	32	46	731537
DN 32	64	32	90	56	41	54	744900
DN 40	50.5	38	89.7	74	–	–	731539
DN 50	64	50	112.5	92	–	–	731541
ISO							
DN 08	25	10.3	52	27.7	17	24	731471
DN 10	50.5	14	52	29.7	19	27	742534
DN 15	50.5	18.1	66	38.6	27	36	742536
DN 20	50.5	23.7	80.5	50	27	46	744894
DN 25	50.5	29.7	97	56	41	54	731485
DN 32	64	38.4	110	90	–	–	731489
DN 40	64	44.3	130	79.8	–	–	731495
DN 50	77.5	56.3	146.6	92	–	–	747797
ASME							
DN ¼"	25	4.57	38.4	19.8	14	17	731501
DN ⅜"	25	7.75	39.5	22	14	20	747826
DN ½"	25	9.4	50.5	29.7	19	27	731503
DN ¾"	50.5	15.75	66	40	27	36	731505
DN 1"	50.5	22.10	80.5	49.5	32	46	731510
DN 1½"	50.5	34.8	94.1	74	–	–	731512
DN 2"	64	47.5	102.8	79.8	–	–	731514

DTS 1000148886 EN Version: - Status: RL (released | freigegeben | valide) printed: 28.10.2026

4.5. Hose union with BBS sterile clamp connection (female)

Note:
A completely gap-free connection feature can only be guaranteed in combination with BBS-04 silicone hoses. Further information can be found in **datasheet Type BBS-04** ▶.

DN 04...32, DN ¼"...1"	DN 40...50, DN 1 ½"...2"
	

Nominal diameter	C [mm]	Di [mm]	L [mm]	D [mm]	SW1 [mm]	SW2 [mm]	Article no.
DIN							
DN 08	25	8	39.5	22	17	20	742576
DN 10	25	10	48.8	27.7	17	24	742578
DN 15	50.5	16	52	29.7	21	27	744908
DN 20	50.5	20	63.8	38.6	22	36	742580
DN 25	50.5	26	78.5	49.5	32	46	742581
DN 32	64	32	90	56	41	54	744909
DN 40	50.5	38	89.7	74	–	–	742582
DN 50	64	50	112.5	92	–	–	742583
ISO							
DN 08	25	10.3	48.9	27.7	17	24	742543
DN 10	50.5	14	52	29.7	19	27	742549
DN 15	50.5	18.1	66	38.6	27	36	742551
DN 20	50.5	23.7	80.5	49.5	32	46	744902
DN 25	50.5	29.7	97	57	41	55	742554
DN 32	64	38.4	85.7	75	–	–	742558
DN 40	64	44.3	103.4	79.8	–	–	742561
DN 50	77.5	56.3	122.5	92	–	–	742563
ASME							
DN ¼"	25	4.57	38.4	19.8	14	17	742564
DN ⅜"	25	7.75	39.5	22	11	20	744903
DN ½"	25	9.4	52	29.7	17	27	742566
DN ¾"	25	15.75	65.8	38.6	22	36	742567
DN 1"	50.5	22.1	77.5	49.5	32	46	742569
DN 1½"	50.5	34.8	94.3	74	–	–	742570
DN 2"	64.0	47.5	102.8	79.8	–	–	742571

DTS 1000148886 EN Version: - Status: RL (released | freigegeben | valide) printed: 28.10.2026

5. Device/Process connections

5.1. Suitable hoses for hose unions

Note:
A completely gap-free connection feature can only be guaranteed in combination with BBS-04 silicone hoses. Further information can be found in **datasheet Type BBS-04** ▶.

Nominal diameter	Inner Ø x wall thickness [mm]	Functional part parameter
DIN		
DN 08	8 × 3.2	IC
DN 10	10 × 4.75	ID
DN 15	12.7 × 4.75	IE
DN 20	19 × 5.8	IF
DN 25	25.4 × 6.35	IG
DN 32	32 × 7	IH
DN 40	38 × 7	II
DN 50	55 × 7	IK
ISO		
DN 08	10 × 4.75	ID
DN 10	12.7 × 4.75	IE
DN 15	19 × 5.8	IF
DN 20	25.4 × 6.35	IG
DN 25	32 × 7	IH
DN 32	38 × 7	II
DN 40	45 × 7	IJ
DN 50	55 × 7	IK
ASME		
DN ¼"	5 × 2.5	IA
DN ⅜"	8 × 3.2	IC
DN 1½"	12.7 × 4.75	IE
DN ¾"	19 × 5.8	IF
DN 1"	25.4 × 6.35	IG
DN 1½"	38 × 7	II
DN 2"	45 × 7	IJ

6. Ordering information

6.1. 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.

Order online now

DTS 1000148886 EN Version: - Status: RL (released | freigegeben | valide) printed: 28.10.2026

6.2. 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.

Try out our product filter

6.3. Ordering chart

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

DTS 1000148886 EN Version: - Status: RL (released | freigegeben | valide) printed: 28.10.2026