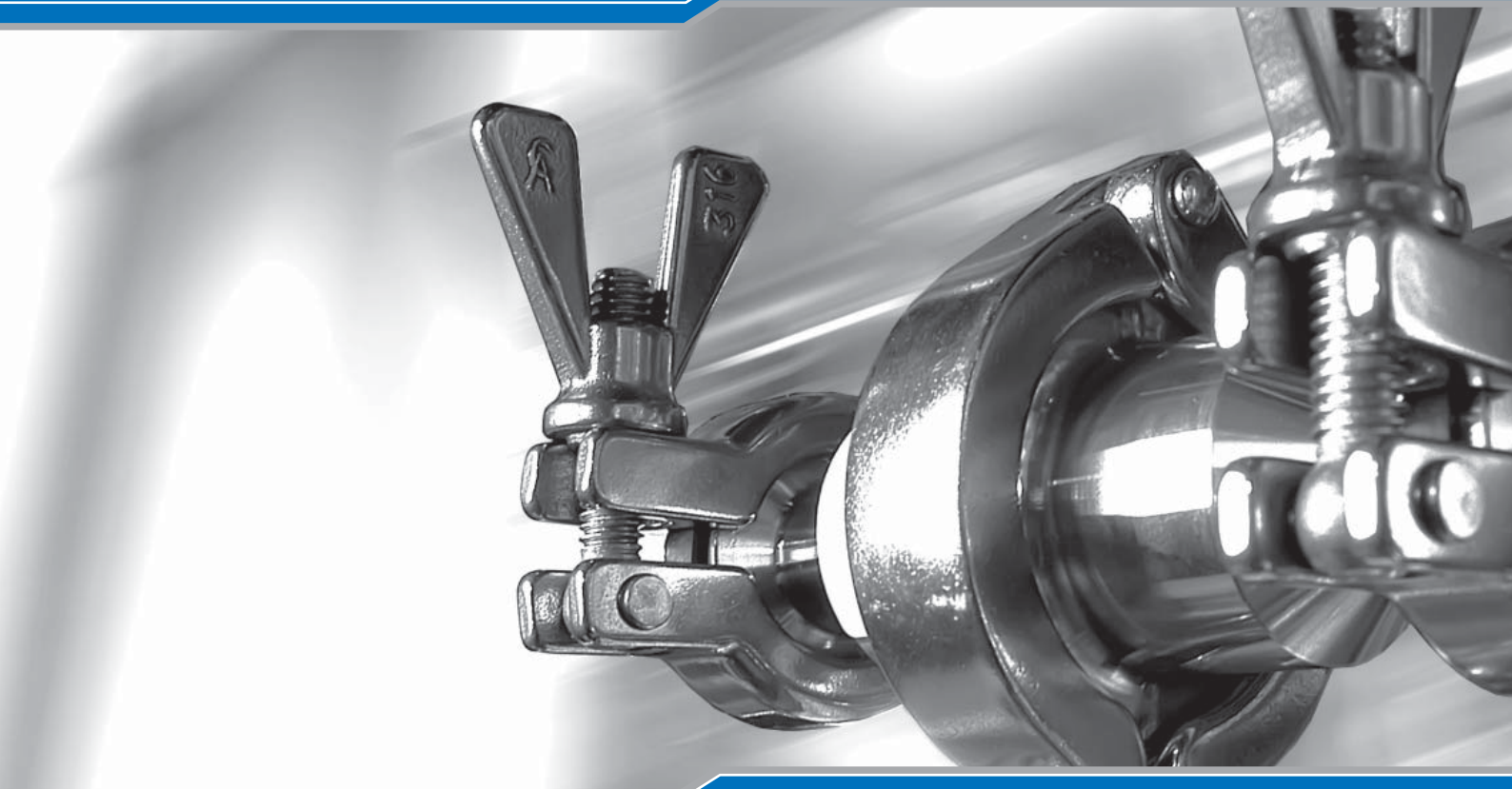




... made for all

Produktkatalog

Product Catalogue

**Adressen****addresses**

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Edelstahl
 stainless steel

1.4435 (BN2) / 316L
 1.4404 / 316L
 1.4539 / 904L
 HC 22 / HC 4, etc.

Dichtungen
 gaskets

- EPDM
- FKM/FEP ummantelt | encapsulated
- PTFE
- FKM/FPM
- FFKM
- VMQ

Rauheitswerte der Innenoberfläche
 internal surface roughness

- Ra < 0.25 - 0.4 μm (HQ-line)
- Ra < 0.5 - 0.8 μm (STERI-line)
- Ra < 0.8 / 1.6 μm (MEDI-line)

Deltaferritgehalt
 delta ferrite content

max. 0.5 % gemäß BN2 (1.4435)
 max. 0.5 % acc. to BN2 (1.4435)

Oberflächenqualität
 surface finish

innen und außen metallblank oder gebeizt
 inside and outside bright finish or pickled

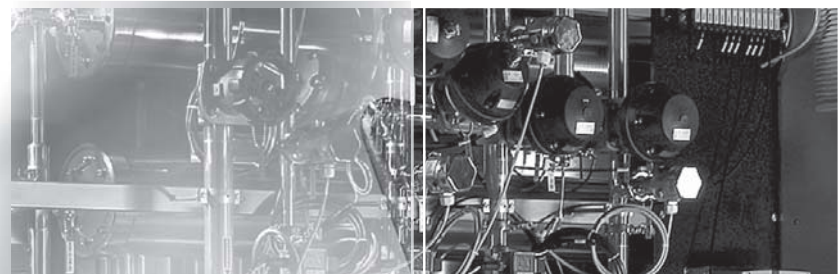
Veredelungen
 refinements

- innen elektropoliert (e-pol.)
- innen mechanisch poliert (K400)
- außen geschliffen mit Korn 400
 - inside electropolished (e-pol.)
 - inside mechanically polished (K400)
 - outside ground with grain 400

Diese Veredelungen sind durch
 Lagerhaltung und hauseigene
 Fertigung kurzfristig lieferbar.

Due to our stock capacity and company
 owned production, these refinements
 can be delivered at short notice.

DIN / EN	1.4301	316L	1.4404	1.4435	1.4571	1.4539
Norm standard	EN 10217-7	ASTM A269/270	EN 10217-7	EN 10217-7	EN 10217-7	EN 10217-7
Stahlsorte steel grade	X5CrNi18-10	X2CrNiMo17-12-2	X2CrNiMo17-12-2	X2CrNiMo18-14-3	X6CrNiMoTi17-12-2	X1NiCrMoCu25-20-5
UNS-Nr. UNS No	S30400	S31603	S31603	S31603	S31635	N08904
C	≤ 0.07 %	≤ 0.03 %	≤ 0.03 %	≤ 0.03 %	≤ 0.05 %	≤ 0.02 %
Si	≤ 1.0 %	≤ 0.75 %	≤ 1.0 %	≤ 1.0 %	≤ 1.0 %	≤ 0.7 %
Cr	17.0 - 19.5	16.0 - 18.0	16.5 - 18.5	17.0 - 19.0	16.5 - 18.5	19.0 - 21.0
Mo	-----	2.0 - 3.0	2.0 - 2.5	2.5 - 3.0	2.0 - 2.5	4.0 - 5.0
Ni	8.0 - 10.5	10.0 - 14.0	10.0 - 13.0	12.5 - 15.0	10.0 - 13.5	24.0 - 26.0
P (max.)	0.045	0.045	0.045	0.045	0.045	0.030
S (max.)	0.030	0.030	0.030	0.030	0.030	0.010
Mn	2.0	2.0	2.0	2.0	2.0	2.0
Sonstige others	N ≤ 0.11	N ≤ 0.10	N ≤ 0.11	N ≤ 0.11	Ti 5	N ≤ 0.15 Cu 1.2 - 2.0

**HQ-line®**

metallblank/geschliffen/elektropoliert
bright finish/mech. or electropolished
Ra < 0.25 - 0.4 µm

**STERI-line®**

metallblank/geschliffen/elektropoliert
bright finish/mech. or electropolished
Ra < 0.5 - 0.8 µm

**MEDI-line®**

metallblank/gebeizt
bright finish/pickled
Ra < 0.8 / 1.6 µm



Quellenangabe | reference : Christ Water Technology Group

FDA konform



Werkstoff / Farbe	Härte	Temperaturbeständigkeit	Anwendungsbereich	Bemerkungen
EPDM schwarz peroxidisch vernetzt	70 - 75 ± 5 Shore A	- 40°C bis + 150°C	Heißwasser, Dampf (bis 180°C)	Lebensmittel- und Pharmaindustrie
FKM / FPM schwarz oder rot peroxidisch vernetzt	70 - 80 ± 5 Shore A	- 40°C bis + 200°C	ausgezeichnete Beständigkeit bei aromatischen Lösungsmitteln, Chemikalien, etc., sowie bei hohen Temperaturen	Lösungsmittel, Chemie, Lebensmittelindustrie
FFKM schwarz peroxidisch vernetzt	75 ± 5 Shore A	- 10°C bis + 230°C	hervorragende chemische und thermische Beständigkeit	Lösungsmittel, Chemie, Pharmaindustrie
FVMQ (Fluor-Silikon) rot, blau, transparent peroxidisch vernetzt	70 - 80 ± 5 Shore A	- 50°C bis + 150°C	besondere Beständigkeit gegenüber Aromaten, Ölen, etc., sowie bei tiefen Temperaturen	Lebensmittelindustrie
VMQ (Silikon-Kautschuk) milchig weiß, transparent peroxidisch vernetzt (alternativ platinkatalysiert)	70 - 80 ± 5 Shore A	- 50°C bis + 200°C	extreme Beständigkeit gegen hohe und tiefe Temperaturen, nur statisch verwendbar, geringe Festigkeit	Lebensmittel- und Pharmaindustrie
PTFE weiß	51 - 60 ± 5 Shore D	- 200°C bis + 230°C	lebensmittelecht, extrem hohe Temperatur-, und chemische Beständigkeit, gute Gleiteigenschaften	kaltfließend, Lebensmittel- und Pharmaindustrie
FKM/FEP ummantelt schwarz / transparent	90 - 95 ± 5 Shore A	- 20°C bis + 204°C	siehe PTFE	vergleichbar mit PTFE, jedoch nicht kaltfließend

Die Inhaltsstoffe der Rezepturen sind frei von tierischen Bestandteilen.

FDA compliant



Material / Colour	Hardness	Temperature resistance	Field of application	Remarks
EPDM black peroxidic cross-linked	70 - 75 ± 5 Shore A	- 40°C thru + 150°C	hot water, steam (thru 180°C)	food- and pharmaceutical industry
FKM / FPM black or red peroxidic cross-linked	70 - 80 ± 5 Shore A	- 40°C thru + 200°C	excellent resistance against aromatic solvent, chemicals, etc., as well as at high temperatures	solvent, chemical- and food industry
FFKM black peroxidic cross-linked	75 ± 5 Shore A	- 10°C bis + 230°C	outstanding chemical and thermic resistance	solvent, chemical- and pharmaceutical industry
FVMQ (fluorine silicone) red, blue or transparent peroxidic cross-linked	70 - 80 ± 5 Shore A	- 50°C thru + 150°C	special resistance against aromatic hydrocarbon compounds, oils, etc., and at low temperatures	food industry
VMQ (silicone-rubber) milky white, transparent peroxidic cross-linked (alternatively platinum cured)	70 - 80 ± 5 Shore A	- 50°C thru + 200°C	extreme resistance against high and low temperatures, only statically usable, low strength	recommendable for food- and pharmaceutical industry
PTFE white	51 - 60 ± 5 Shore D	- 200°C thru + 230°C	food proof, extremely high temperatures, best chemical resistance, good gliding quality	creeping, food- and pharmaceutical industry
FKM/FEP encapsulated black / transparent	90 - 95 ± 5 Shore A	- 20°C thru + 204°C	refer to PTFE	comparable with PTFE, but not creeping

The ingredients of the recipes are free from animal components.

DIN 11866-A (DIN 11850)				DIN 11866-B (EN ISO 1127)				DIN 11866-C (ASME BPE)			
DN	A	B	S	DN	A	B	S	DN	A	B	S
2*	4.0	2.0	1.0	6	10.2	7.0	1.6	¼"	6.35	4.57	0.89
4*	6.0	4.0	1.0	8	13.5	10.3	1.6	⅜"	9.53	7.75	0.89
6	8.0	6.0	1.0	10	17.2	14.0	1.6	½"	12.7	9.4	1.65
8	10.0	8.0	1.0	15	21.3	18.1	1.6	¾"	19.05	15.75	1.65
10*	12.0	10.0	1.0	20	26.9	23.7	1.6	1"	25.4	22.1	1.65
10	13.0	10.0	1.5	25	33.7	29.7	2.0	1½"	38.1	34.8	1.65
15	19.0	16.0	1.5	32	42.4	38.4	2.0	2"	50.8	47.5	1.65
20	23.0	20.0	1.5	40	48.3	44.3	2.0	2½"	63.5	60.2	1.65
25	29.0	26.0	1.5	50	60.3	56.3	2.0	3"	76.2	72.9	1.65
32	35.0	32.0	1.5	65	76.1	72.1	2.0	4"	101.6	97.38	2.11
40	41.0	38.0	1.5	80	88.9	84.3	2.3	6"	152.4	146.86	2.77
50	53.0	50.0	1.5	100	114.3	109.7	2.3				
65	70.0	66.0	2.0	125	139.7	134.5	2.6				
80	85.0	81.0	2.0	150	168.3	163.1	2.6				
100	104.0	100.0	2.0	200	219.1	213.9	2.6				
125	129.0	125.0	2.0								
150	154.0	150.0	2.0								
200	204.0	200.0	2.0								

*) nicht in der DIN 11866 enthalten | non-standard



Legende

DN Nennweite
A Rohr-Außendurchmesser
B Rohr-Innendurchmesser
S Wandstärke

Key

dimension
external tube diameter
internal tube diameter
wall thickness

Quellenangabe | reference : Christ Water Technology Group

innere und äußere Oberflächenbeschaffenheit internal and external surface condition			
Hygieneklasse nach DIN 11866 hygienic class according to DIN 11866		Oberflächenbeschaffenheit surface condition	
		innen (Grundmaterial / Nahtbereich) inside (base material / weld)	außen outside
H1 / H1o	HE1 / HE1o	Ra < 1.60/3.20 µm	gebeizt oder blankgeglüht, alternativ geschliffen (Ra < 1.0 µm) bright finish or pickled, alternatively mech. polished (Ra < 1.0 µm)
H2 / H2o	HE2 / HE2o	Ra < 0.80/1.60 µm	
H3 / H3o	HE3 / HE3o	Ra < 0.80/0.80 µm	
H4 / H4o	HE4 / HE4o	Ra < 0.40/0.40 µm	
H5 / H5o	HE5 / HE5o	Ra < 0.25/0.25 µm	
"o" außen geschliffen mech. polished outside "E" innen e-polier e-polished inside			

Deltaferritklasse (DF-Klasse) nach DIN 11866 delta ferrite class (DF class) according to DIN 11866	
DF-Klasse DF class	Deltaferritgehalt im Lieferzustand delta ferrite content at condition of delivery
1	≤ 3.0 %
2	≤ 1.0 %
3	≤ 0.5 %

Akzeptanzkriterien für die innere Oberflächenbeschaffenheit acceptance criteria for interior surface finishes	
Indikation indication	Akzeptanzkriterium (in Anlehnung an ASME BPE) acceptance criteria (following ASME BPE)
Schleifriefen grit lines	Ra-Wert eingehalten if Ra is met
Kerben nicks	Nicht zulässig none accepted
Anhäufung von Kratern cluster of pits	Durchmesser ≤ 0.5 mm und Grund glänzend if diameter ≤ 0.5 mm and bottom is shiny
Kratzer scratches	Länge < 6.0 mm, Tiefe < 0.1 mm, Ra-Wert eingehalten if length < 6.0 mm, depth < 0.1 mm and if Ra is met
Oberflächenrisse surface cracks	Nicht zulässig none accepted
Oberflächeneinschlüsse surface inclusions	Ra-Wert eingehalten und keine Anzeichen von Eindringen von Prüfflüssigkeit if Ra is met and there is no liquid penetrant indication
Oberflächenrückstände surface residuals	Nicht zulässig none accepted

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 bzw. werden wir Ihnen gerne auf Anfrage zusenden.

Our general terms of delivery and payment can be noticed at www.kiesel-steriltechnik.com, or will be sent on demand



1. Rohre

Tubes

Seite
page

- | | | |
|-----|--|---|
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Rohre für Aseptik, Chemie und Pharmazie
tubes for aseptic, chemical and pharmaceutical industries | 2 |
| 1.2 | MEDI-Tube® DIN 11866 / EN 10217-7
Rohre für Lebensmittel, Chemie und Pharmazie
tubes for food, chemical and pharmaceutical industries | 4 |



1.1 STERI-Tube® / HQ-Tube® DIN 11866

Rohre für Aseptik, Chemie und Pharmazie

tubes for aseptic, chemical and pharmaceutical industries

Legende

- A Rohr-Außendurchmesser
- B Rohr-Innendurchmesser

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

- DIN 11866
- BN2
- EN 10088-1
- EN 10204
- EN 10216-5
- EN 10217-7
- EN ISO 1127
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Kennzeichnung

Hersteller, Abmessung, Werkstoff, DIN 11866
(Hygieneklasse), Schmelznummer, Rohr-Nr.

Toleranzen

- geschweißt: D4/T4 (gemäß EN ISO 1127)
- nahtlos: (mind.) D3/T3 (gemäß EN ISO 1127)

Verpackung

Rohrenden mit Kunststoffkappen verschlossen,
einzeln in Schlauchfolie verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

- innen: metallblank / gebeizt / ziehpoliert
- außen: blankgeglüht / gebeizt / geschliffen

Key

- external tube diameter
- internal tube diameter

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

- DIN 11866
- BN2
- EN 10088-1
- EN 10204
- EN 10216-5
- EN 10217-7
- EN ISO 1127
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Marking

manufacturer, dimension, material, DIN 11866
(hygienic class), heat number, pipe number

Tolerances

- welded: D4/T4 (acc. to EN ISO 1127)
- seamless: (min.) D3/T3 (acc. to EN ISO 1127)

Packaging

Tube ends covered with plastic caps,
wrapped separately in tubular foil.

Materials

316L

further materials on request

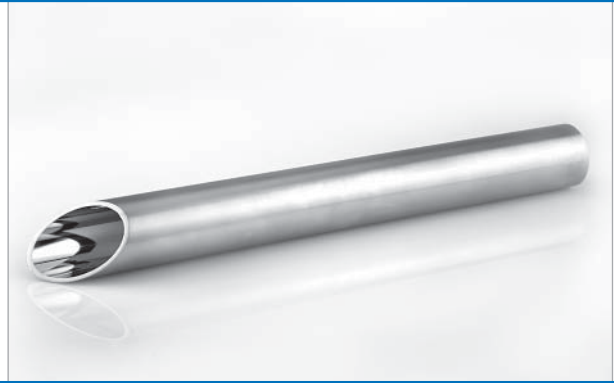
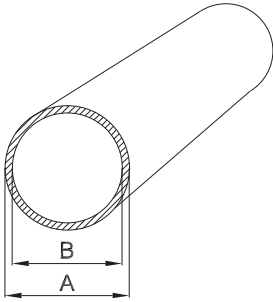
Surface condition

- inside: bright finish / pickled / plugdrawn
- outside: bright annealed / pickled / mech. polished



Ausführungen variants

- H3o / HE3o gemäß DIN 11866
- H4o / HE4o (siehe Info-Seite "Allgemeine Informationen")
- HE5o acc. to DIN 11866
(see info page "General Information")



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	Gewicht weight			STERI-line®		HQ-line®	
							H3o	HE3o	H4o	HE4o/HE5o
DN002*	4.0 x 1.0	4.0	2.0	0.075 kg/m			708926	709928	**	**
DN004*	6.0 x 1.0	6.0	4.0	0.125 kg/m			705691	705675	709491	709493
DN006	8.0 x 1.0	8.0	6.0	0.175 kg/m			701105	704405	709495	709497
DN008	10.0 x 1.0	10.0	8.0	0.226 kg/m			700632	704403	709499	709501
DN010*	12.0 x 1.0	12.0	10.0	0.275 kg/m			700633	703884	707132	707133
DN010	13.0 x 1.5	13.0	10.0	0.432 kg/m			704064	700609	707134	707135
DN015	19.0 x 1.5	19.0	16.0	0.658 kg/m			700634	703881	707136	707137
DN020	23.0 x 1.5	23.0	20.0	0.808 kg/m			700635	704081	707138	707139
DN025	29.0 x 1.5	29.0	26.0	1.034 kg/m			700636	703555	706300	707140
DN032	35.0 x 1.5	35.0	32.0	1.260 kg/m			700637	703556	707141	707142
DN040	41.0 x 1.5	41.0	38.0	1.485 kg/m			700638	703879	707143	707144
DN050	53.0 x 1.5	53.0	50.0	1.937 kg/m			700639	704202	707145	707146
DN065	70.0 x 2.0	70.0	66.0	3.409 kg/m			700640	700616	707147	707148
DN080	85.0 x 2.0	85.0	81.0	4.162 kg/m			700641	704203	707149	707150
DN100	104.0 x 2.0	104.0	100.0	5.114 kg/m			700642	700618	707151	707152
DN125	129.0 x 2.0	129.0	125.0	6.368 kg/m			708643	708645	**	**
DN150	154.0 x 2.0	154.0	150.0	7.621 kg/m			708647	708649	**	**

ISO	Abmessung dimension	A	B	Gewicht weight			STERI-line®		HQ-line®	
							H3o	HE3o	H4o	HE4o/HE5o
DN008	13.5 x 1.6	13.5	10.3	0.477 kg/m			701113	701112	707153	707154
DN010	17.2 x 1.6	17.2	14.0	0.626 kg/m			701073	701072	707155	707156
DN015	21.3 x 1.6	21.3	18.1	0.790 kg/m			701081	701080	706687	707157
DN020	26.9 x 1.6	26.9	23.7	1.015 kg/m			701085	701084	707158	707159
DN025	33.7 x 2.0	33.7	29.7	1.589 kg/m			701089	701088	706497	707160
DN032	42.4 x 2.0	42.4	38.4	2.026 kg/m			701093	701092	707161	707162
DN040	48.3 x 2.0	48.3	44.3	2.321 kg/m			701097	701096	706498	707163
DN050	60.3 x 2.0	60.3	56.3	2.923 kg/m			701101	701100	707164	707165
DN065	76.1 x 2.0	76.1	72.1	3.715 kg/m			701109	701108	707166	707167
DN080	88.9 x 2.3	88.9	84.3	4.993 kg/m			701117	701116	707168	707169
DN100	114.3 x 2.3	114.3	109.7	6.458 kg/m			701077	701076	707170	707171
DN125	139.7 x 2.6	139.7	134.5	8.936 kg/m			700611	700613	**	**
DN150	168.3 x 2.6	168.3	163.1	10.801 kg/m			700615	700681	**	**

ASME BPE	Abmessung dimension	A	B	Gewicht weight			STERI-line®		HQ-line®	
							H3o	HE3o	H4o	HE4o/HE5o
DN 1/4"	6.35 x 0.89	6.35	4.57	0.124 kg/m			708802	708804	709929	709930
DN 3/8"	9.53 x 0.89	9.53	7.75	0.197 kg/m			701025	701027	709931	709932
DN 1/2"	12.7 x 1.65	12.7	9.4	0.457 kg/m			701029	701031	706852	706853
DN 3/4"	19.05 x 1.65	19.05	15.75	0.720 kg/m			701033	701035	706854	706855
DN 1"	25.4 x 1.65	25.4	22.1	0.982 kg/m			701037	701039	706856	706857
DN 1 1/2"	38.1 x 1.65	38.1	34.8	1.508 kg/m			701041	701043	706858	706859
DN 2"	50.8 x 1.65	50.8	47.5	2.033 kg/m			701045	701047	706860	706861
DN 2 1/2"	63.5 x 1.65	63.5	60.2	2.558 kg/m			701049	701051	706862	706863
DN 3"	76.2 x 1.65	76.2	72.9	3.084 kg/m			701053	701055	706864	706865
DN 4"	101.6 x 2.11	101.6	97.38	5.263 kg/m			701057	701059	706866	706867
DN 6"	152.4 x 2.77	152.4	146.86	10.391 kg/m			711907	711909	**	**

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request



1.2 MEDI-Tube® DIN 11866 / EN 10217-7

Rohre für Lebensmittel, Chemie und Pharmazie

tubes for food, chemical and pharmaceutical industries

Legende

- A Rohr-Außendurchmesser
- B Rohr-Innendurchmesser

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

- DIN 11850
- DIN 11866
- EN 10088-1
- EN 10204
- EN 10217-7
- AD 2000-W2 (teilweise)

Kennzeichnung

gemäß EN 10217-7, bzw. DIN 11866

Toleranzen

- gemäß EN ISO 1127
- D3/T3 oder D4/T4 (nur DIN 11866 Rohre)

Verpackung

auf Wunsch:

Rohrenden mit Kunststoffkappen verschlossen,
einzeln in Schlauchfolie verpackt.

Werkstoffe

1.4404

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

- innen: metallblank / gebeizt ($R_a < 0.8/1.6 \mu\text{m}$)
- außen: metallblank / gebeizt
- außen: geschliffen

Key

- external tube diameter
- internal tube diameter

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)

Normative References, Requirements / Approvals (raw material)

- DIN 11850
- DIN 11866
- EN 10088-1
- EN 10204
- EN 10217-7
- AD 2000-W2 (partially)

Marking

acc. to EN 10217-7, DIN 11866 resp.

Tolerances

- acc. to EN ISO 1127
- D3/T3 or D4/T4 (only DIN 11866 tubes)

Packaging

on demand:

Tube ends covered with plastic caps,
wrapped separately in tubular foil.

Materials

316L

further materials on request

Surface condition

- inside: bright finish / pickled ($R_a < 0.8/1.6 \mu\text{m}$)
- outside: bright finish / pickled
- outside: mech. polished

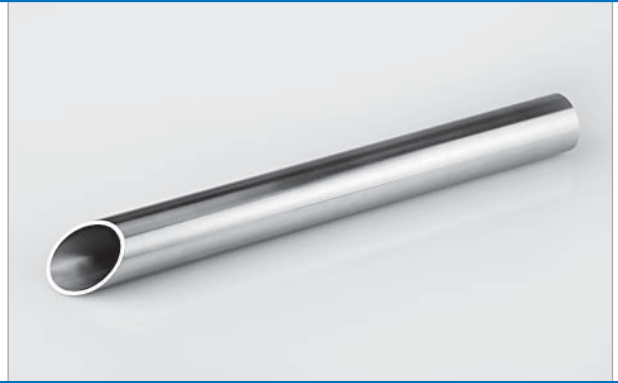
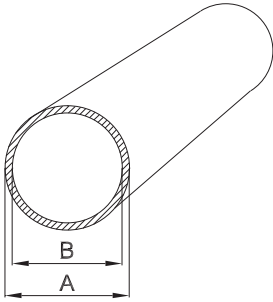


Ausführungen variants

H2o / HE2o	gemäß DIN 11866 (siehe Info-Seite "Allgemeine Informationen") acc. to DIN 11866 (see info page "General Information")
BC	gemäß DIN 11850 (geglüht, innen und außen metallblank / gebeizt) acc. to DIN 11866 (annealed, inside and outside bright finish / pickled)
BD	gemäß DIN 11850 (geglüht, innen metallblank / gebeizt, außen geschliffen) acc. to DIN 11866 (annealed, inside bright finish / pickled, ground outside)

Die Ausführungen "CC" und "CD" nach DIN 11850 sind ebenfalls lieferbar.

The variants "CC" and "CD" according to DIN 11850 are also consignable.



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	Gewicht weight			EN 10217-7		DIN 11866	
							"BC"	"BD"	H2o	HE2o
DN010	13.0 x 1.5	13.0	10.0	0.432 kg/m			704065	704066	711910	711922
DN015	19.0 x 1.5	19.0	16.0	0.658 kg/m			700550	700551	711911	711923
DN020	23.0 x 1.5	23.0	20.0	0.808 kg/m			700552	700553	711912	711924
DN025	29.0 x 1.5	29.0	26.0	1.034 kg/m			700554	700555	711913	711925
DN032	35.0 x 1.5	35.0	32.0	1.260 kg/m			700556	700557	711914	711926
DN040	41.0 x 1.5	41.0	38.0	1.485 kg/m			700558	700559	711915	711927
DN050	53.0 x 1.5	53.0	50.0	1.937 kg/m			700560	700561	711916	711928
DN065	70.0 x 2.0	70.0	66.0	3.409 kg/m			700564	700565	711917	711929
DN080	85.0 x 2.0	85.0	81.0	4.162 kg/m			700568	700569	711918	711930
DN100	104.0 x 2.0	104.0	100.0	5.114 kg/m			700549	700570	711919	711931
DN125	129.0 x 2.0	129.0	125.0	6.368 kg/m			701006	701004	711920	711932
DN150	154.0 x 2.0	154.0	150.0	7.621 kg/m			701002	701003	711921	711933
DN200	204.0 x 2.0	204.0	200.0	10.128 kg/m			709478	709933	*	*

ISO	Abmessung dimension	A	B	Gewicht weight			EN 10217-7		DIN 11866	
							"BC"	"BD"	H2o	HE2o
DN008	13.5 x 1.6	13.5	10.3	0.477 kg/m			706301	706314	709945	710054
DN010	17.2 x 1.6	17.2	14.0	0.626 kg/m			706302	706315	709946	710055
DN015	21.3 x 1.6	21.3	18.1	0.790 kg/m			706303	706316	709947	710056
DN020	26.9 x 1.6	26.9	23.7	1.015 kg/m			706304	706317	709948	710057
DN025	33.7 x 2.0	33.7	29.7	1.589 kg/m			706305	706318	709949	710058
DN032	42.4 x 2.0	42.4	38.4	2.026 kg/m			706306	706319	709950	710059
DN040	48.3 x 2.0	48.3	44.3	2.321 kg/m			706307	706320	709951	709956
DN050	60.3 x 2.0	60.3	56.3	2.923 kg/m			706308	706321	709952	710060
DN065	76.1 x 2.0	76.1	72.1	3.715 kg/m			706309	706322	709953	710061
DN080	88.9 x 2.3	88.9	84.3	4.993 kg/m			706310	706223	709954	710062
DN100	114.3 x 2.3	114.3	109.7	6.458 kg/m			706311	706324	709955	710063
DN125	139.7 x 2.6	139.7	134.5	8.936 kg/m			706312	706325	*	*
DN150	168.3 x 2.6	168.3	163.1	10.801 kg/m			706313	706326	*	*
DN200	219.1 x 2.6	219.1	213.3	15.700 kg/m			709342	709933	*	*

*) auf Anfrage | on request



2. Rohrverbindungen

Fittings

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2.5 Steril-Clampverbindung STERI-Connect® aseptic clamp connection	42
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2.8 Nippel-SO nipple for orbital welding	66
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**Legende**

- A Außendurchmesser
B Innendurchmesser
C Gesamtlänge
D größter Außendurchmesser
D1 Innendurchmesser (Nutmutter)
E (metrisches) Gewinde (M)
SW Schlüsselweite

Abmessungen

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
auf Anfrage: DIN 11866-C (ASME BPE)

Normative Verweisungen,**Anforderungen / Abnahmen (Vormaterial)**

BN2
EN 10088-1/-3
EN 10204
EN 10222-5 (Rohlinge)
EN 10254 (Rohlinge)
EN 10272
ASTM A276
ASTM A182/A182M / ASME SA182/SA182M
ASTM A479/A479M / ASME SA479/SA479M
ASME SA336 (Rohlinge)
AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze,
STERI-Connect®

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4435 (mediumberührt)
1.4301/07 (nicht mediumberührt)
EPDM (Standard)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB")**

innen: feinstgedreht, $R_a < 0.8 \mu\text{m}$
außen: feingedreht, $R_a < 1.6 \mu\text{m}$

Key

external diameter
internal diameter
total length
biggest external diameter
internal diameter (nut)
(metric) thread (M)
width across flats (A/F)

Dimensions

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
on request: DIN 11866-C (ASME BPE)

Normative References,**Requirements / Approvals (raw material)**

BN2
EN 10088-1/-3
EN 10204
EN 10222-5 (forgings)
EN 10254 (forgings)
EN 10272
ASTM A276
ASTM A182/A182M / ASME SA182/SA182M
ASTM A479/A479M / ASME SA479/SA479M
ASME SA336 (forgings)
AD 2000-W2

Marking

manufacturer, material, dimension, heat,
STERI-Connect®

Tolerances (reference standard)

ISO 2768-1

Packaging

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L (at medium contact surface)
304 (not at medium contact surface)
EPDM (standard)

further materials on request**Surface condition ("MB")**

inside: ultra-fine turned, $R_a < 0.8 \mu\text{m}$
outside: refined turned, $R_a < 1.6 \mu\text{m}$

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
$R_a < 0.6 \mu\text{m}$ (STERI-line®)	999279
$R_a < 0.5 \mu\text{m}$ (STERI-line®)	999280
$R_a < 0.4 \mu\text{m}$ (HQ-line®)	999281
$R_a < 0.25 \mu\text{m}$ (HQ-line®)	999283

Bestellbeispiel | ordering example

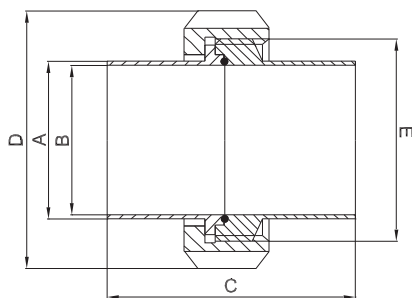
Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Steril-Verschraubung STERI Connect® DN025 ISO aseptic screwed pipe connection (1.4435, EPDM)	700317
e-poliert e-polished	+ 999277
$R_a < 0.25 \mu\text{m}$	+ 999283



Zubehör ab Seite 73 | accessories from page 73 on



2.1.1 Steril-Verschraubung STERI-Connect®



weitere Abmessungen auf Anfrage | further dimensions on request

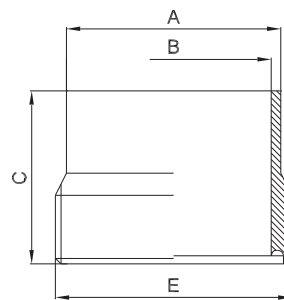
DIN	Abmessung dimension	A	B	C	D	E (M)	MB 1.4435			
DN006	8.0 x 1.0	8.0	6.0	67.0	SW19	16 x 1.5	705207			
DN008	10.0 x 1.0	10.0	8.0	67.0	SW22	18 x 1.5	705206			
DN010	12.0 x 1.0	12.0	10.0	68.0	SW27	22 x 1.5	700307			
DN010	13.0 x 1.5	13.0	10.0	68.0	SW27	22 x 1.5	709783			
DN015	19.0 x 1.5	19.0	16.0	68.0	42.0	30 x 1.5	700311			
DN020	23.0 x 1.5	23.0	20.0	70.0	48.0	36 x 2.0	700313			
DN025	29.0 x 1.5	29.0	26.0	81.0	55.0	42 x 2.0	700315			
DN032	35.0 x 1.5	35.0	32.0	82.0	65.0	52 x 2.0	700318			
DN040	41.0 x 1.5	41.0	38.0	83.0	70.0	56 x 2.0	700320			
DN050	53.0 x 1.5	53.0	50.0	84.0	82.0	68 x 2.0	700322			
DN065	70.0 x 2.0	70.0	66.0	112.0	105.0	90 x 3.0	700325			
DN080	85.0 x 2.0	85.0	81.0	112.0	115.0	100 x 3.0	700328			
DN100	104.0 x 2.0	104.0	100.0	114.0	145.0	130 x 4.0	700309			

ISO	Abmessung dimension	A	B	C	D	E (M)	MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	67.0	SW27	22 x 1.5	700327			
DN010	17.2 x 1.6	17.2	14.0	68.0	SW30	26 x 1.5	700308			
DN015	21.3 x 1.6	21.3	18.1	68.0	42.0	30 x 1.5	700312			
DN020	26.9 x 1.6	26.9	23.7	70.0	48.0	36 x 2.0	700314			
DN025	33.7 x 2.0	33.7	29.7	81.0	55.0	42 x 2.0	700317			
DN032	42.4 x 2.0	42.4	38.4	82.0	65.0	52 x 2.0	700319			
DN040	48.3 x 2.0	48.3	44.3	83.0	70.0	56 x 2.0	700321			
DN050	60.3 x 2.0	60.3	56.3	84.0	82.0	68 x 2.0	700323			
DN065	76.1 x 2.0	76.1	72.1	112.0	105.0	90 x 3.0	700326			
DN080	88.9 x 2.3	88.9	84.3	112.0	115.0	100 x 3.0	700329			
DN100	114.3 x 2.3	114.3	109.7	114.0	145.0	130 x 4.0	700310			



2.1.2 Steril-Gewindestutzen STERI-Connect®

aseptic threaded connecting piece (male part)



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 7

weitere Abmessungen auf Anfrage | further dimensions on request

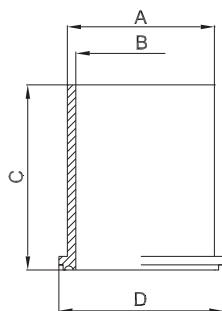
DIN	Abmessung dimension	A	B	C	E (M)	MB 1.4435			
DN006	8.0 x 1.0	8.0	6.0	36.0	16 x 1.5	705205			
DN008	10.0 x 1.0	10.0	8.0	36.0	18 x 1.5	704503			
DN010	12.0 x 1.0	12.0	10.0	37.0	22 x 1.5	700059			
DN010	13.0 x 1.5	13.0	10.0	37.0	22 x 1.5	709523			
DN015	19.0 x 1.5	19.0	16.0	37.0	30 x 1.5	703799			
DN020	23.0 x 1.5	23.0	20.0	39.0	36 x 2.0	700064			
DN025	29.0 x 1.5	29.0	26.0	44.0	42 x 2.0	700066			
DN032	35.0 x 1.5	35.0	32.0	45.0	52 x 2.0	700068			
DN040	41.0 x 1.5	41.0	38.0	46.0	56 x 2.0	700070			
DN050	53.0 x 1.5	53.0	50.0	47.0	68 x 2.0	700072			
DN065	70.0 x 2.0	70.0	66.0	64.0	90 x 3.0	700075			
DN080	85.0 x 2.0	85.0	81.0	64.0	100 x 3.0	700078			
DN100	104.0 x 2.0	104.0	100.0	66.0	130 x 4.0	700061			

ISO	Abmessung dimension	A	B	C	E (M)	MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	37.0	22 x 1.5	700077			
DN010	17.2 x 1.6	17.2	14.0	37.0	26 x 1.5	700060			
DN015	21.3 x 1.6	21.3	18.1	37.0	30 x 1.5	700063			
DN020	26.9 x 1.6	26.9	23.7	39.0	36 x 2.0	700065			
DN025	33.7 x 2.0	33.7	29.7	44.0	42 x 2.0	700067			
DN032	42.4 x 2.0	42.4	38.4	45.0	52 x 2.0	700069			
DN040	48.3 x 2.0	48.3	44.3	46.0	56 x 2.0	700071			
DN050	60.3 x 2.0	60.3	56.3	47.0	68 x 2.0	700073			
DN065	76.1 x 2.0	76.1	72.1	64.0	90 x 3.0	700076			
DN080	88.9 x 2.3	88.9	84.3	64.0	100 x 3.0	700079			
DN100	114.3 x 2.3	114.3	109.7	66.0	130 x 4.0	700062			



2.1.3 Steril-Bundstutzen STERI-Connect®

aseptic liner



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 7

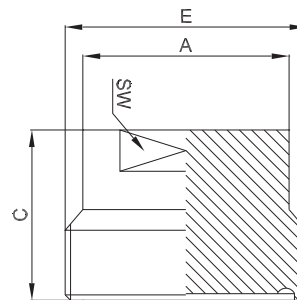
DIN	Abmessung dimension	A	B	C	D		MB 1.4435			
DN006	8.0 x 1.0	8.0	6.0	33.0	13.0		705204			
DN008	10.0 x 1.0	10.0	8.0	33.0	15.0		700033			
DN010	12.0 x 1.0	12.0	10.0	33.0	19.0		700102			
DN010	13.0 x 1.5	13.0	10.0	33.0	19.0		709767			
DN015	19.0 x 1.5	19.0	16.0	33.0	27.0		700104			
DN020	23.0 x 1.5	23.0	20.0	33.0	33.0		700105			
DN025	29.0 x 1.5	29.0	26.0	39.0	39.0		700106			
DN032	35.0 x 1.5	35.0	32.0	39.0	49.0		700107			
DN040	41.0 x 1.5	41.0	38.0	39.0	53.0		700108			
DN050	53.0 x 1.5	53.0	50.0	39.0	65.0		700109			
DN065	70.0 x 2.0	70.0	66.0	50.0	85.0		700110			
DN080	85.0 x 2.0	85.0	81.0	50.0	95.0		700111			
DN100	104.0 x 2.0	104.0	100.0	50.0	124.0		700103			

ISO	Abmessung dimension	A	B	C	D		MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	33.0	19.0		700035			
DN010	17.2 x 1.6	17.2	14.0	33.0	23.0		700025			
DN015	21.3 x 1.6	21.3	18.1	33.0	27.0		700027			
DN020	26.9 x 1.6	26.9	23.7	33.0	33.0		700028			
DN025	33.7 x 2.0	33.7	29.7	39.0	39.0		700029			
DN032	42.4 x 2.0	42.4	38.4	39.0	49.0		700030			
DN040	48.3 x 2.0	48.3	44.3	39.0	53.0		702499			
DN050	60.3 x 2.0	60.3	56.3	39.0	65.0		700032			
DN065	76.1 x 2.0	76.1	72.1	50.0	85.0		700034			
DN080	88.9 x 2.3	88.9	84.3	50.0	95.0		700036			
DN100	114.3 x 2.3	114.3	109.7	50.0	124.0		700026			



2.1.4 Steril-Blindgewindestutzen STERI-Connect®

aseptic blind threaded connecting piece (male part)



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 7

weitere Abmessungen auf Anfrage | further dimensions on request

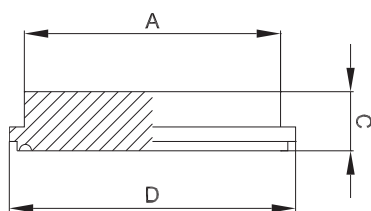
DIN	Abmessung dimension	A	C	E (M)	SW		MB 1.4435			
DN006	8.0 x 1.0	8.0	26.0	16 x 1.5	10.0		700018			
DN008	10.0 x 1.0	10.0	26.0	18 x 1.5	10.0		700020			
DN010	12.0 x 1.0	12.0	27.0	22 x 1.5	14.0		700022			
DN010	13.0 x 1.5	13.0	27.0	22 x 1.5	14.0		709836			
DN015	19.0 x 1.5	19.0	27.0	30 x 1.5	16.0		700011			
DN020	23.0 x 1.5	23.0	27.0	36 x 2.0	20.0		700012			
DN025	29.0 x 1.5	29.0	27.0	42 x 2.0	24.0		700013			
DN032	35.0 x 1.5	35.0	29.0	52 x 2.0	30.0		700015			
DN040	41.0 x 1.5	41.0	30.0	56 x 2.0	36.0		700016			
DN050	53.0 x 1.5	53.0	30.0	68 x 2.0	36.0		700017			
DN065	70.0 x 2.0	70.0	38.0	90 x 3.0	36.0		700019			
DN080	85.0 x 2.0	85.0	38.0	100 x 3.0	36.0		700021			
DN100	104.0 x 2.0	104.0	40.0	130 x 4.0	36.0		700010			

ISO	Abmessung dimension	A	C	E (M)	SW		MB 1.4435			
DN008	13.5 x 1.6	13.5	27.0	22 x 1.5	10.0		700024			
DN010	17.2 x 1.6	17.2	27.0	26 x 1.5	14.0		700009			
DN015	21.3 x 1.6	21.3	26.0	30 x 1.5	16.0		703794			
DN020	26.9 x 1.6	26.9	28.0	36 x 2.0	20.0		703116			
DN025	33.7 x 2.0	33.7	29.0	42 x 2.0	24.0		703117			
DN032	42.4 x 2.0	42.4	30.0	52 x 2.0	30.0		703121			
DN040	48.3 x 2.0	48.3	30.0	56 x 2.0	36.0		703119			
DN050	60.3 x 2.0	60.3	31.0	68 x 2.0	36.0		703118			
DN065	76.1 x 2.0	76.1	38.0	90 x 3.0	36.0		703120			
DN080	88.9 x 2.3	88.9	38.0	100 x 3.0	36.0		703115			
DN100	114.3 x 2.3	114.3	40.0	130 x 4.0	36.0		703114			



2.1.5 Steril-Blindbundstutzen STERI-Connect®

aseptic blind liner



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 7

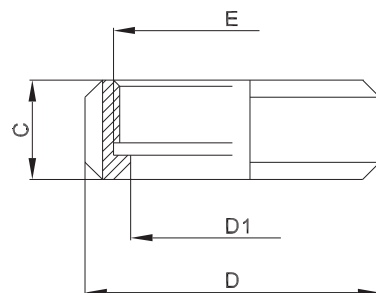
DIN	Abmessung dimension	A	C	D			MB 1.4435			
DN006	8.0 x 1.0	8.0	9.0	13.0			705215			
DN008	10.0 x 1.0	10.0	9.0	15.0			705216			
DN010	12.0 x 1.0	12.0	9.0	19.0			700080			
DN010	13.0 x 1.5	13.0	9.0	19.0			709837			
DN015	19.0 x 1.5	19.0	9.0	27.0			700084			
DN020	23.0 x 1.5	23.0	9.0	33.0			700086			
DN025	29.0 x 1.5	29.0	10.0	39.0			700088			
DN032	35.0 x 1.5	35.0	10.0	49.0			700090			
DN040	41.0 x 1.5	41.0	10.0	53.0			700092			
DN050	53.0 x 1.5	53.0	10.0	65.0			700094			
DN065	70.0 x 2.0	70.0	11.0	85.0			700097			
DN080	85.0 x 2.0	85.0	11.0	95.0			700100			
DN100	104.0 x 2.0	104.0	11.0	124.0			700082			

ISO	Abmessung dimension	A	C	D			MB 1.4435			
DN008	13.5 x 1.6	13.5	9.0	19.0			700099			
DN010	17.2 x 1.6	17.2	9.0	23.0			700081			
DN015	21.3 x 1.6	21.3	9.0	27.0			700085			
DN020	26.9 x 1.6	26.9	9.0	33.0			700087			
DN025	33.7 x 2.0	33.7	10.0	39.0			700089			
DN032	42.4 x 2.0	42.4	10.0	49.0			700091			
DN040	48.3 x 2.0	48.3	10.0	53.0			700093			
DN050	60.3 x 2.0	60.3	10.0	65.0			700095			
DN065	76.1 x 2.0	76.1	11.0	85.0			700098			
DN080	88.9 x 2.3	88.9	11.0	95.0			700101			
DN100	114.3 x 2.3	114.3	11.0	124.0			700083			



2.1.6 Steril-Nutmutter STERI-Connect®

aseptic nut



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	C	D	D1	E (M)		1.4301/07 304			
DN006	8.0 x 1.0	14.0	SW19	8.5	16 x 1.5		705213			
DN008	10.0 x 1.0	14.0	SW22	10.5	18 x 1.5		705212			
DN010	12.0 x 1.0	15.0	SW27	12.5	22 x 1.5		700260			
DN010	13.0 x 1.5	15.0	SW27	13.5	22 x 1.5		709957			
DN015	19.0 x 1.5	15.5	42.0	19.5	30 x 1.5		700264			
DN020	23.0 x 1.5	17.0	48.0	23.5	36 x 2.0		700266			
DN025	29.0 x 1.5	18.0	55.0	29.5	42 x 2.0		700268			
DN032	35.0 x 1.5	19.0	65.0	35.5	52 x 2.0		700270			
DN040	41.0 x 1.5	21.0	70.0	41.5	56 x 2.0		700272			
DN050	53.0 x 1.5	21.0	82.0	53.5	68 x 2.0		700274			
DN065	70.0 x 2.0	27.0	105.0	70.5	90 x 3.0		700277			
DN080	85.0 x 2.0	27.0	115.0	85.5	100 x 3.0		700280			
DN100	104.0 x 2.0	29.0	145.0	104.5	130 x 4.0		700262			

ISO	Abmessung dimension	C	D	D1	E (M)		1.4301/07 304			
DN008	13.5 x 1.6	15.0	SW27	14.0	22 x 1.5		700279			
DN010	17.2 x 1.6	15.5	SW30	17.7	26 x 1.5		700261			
DN015	21.3 x 1.6	15.5	42.0	21.8	30 x 1.5		700265			
DN020	26.9 x 1.6	17.0	48.0	27.4	36 x 2.0		700267			
DN025	33.7 x 2.0	18.0	55.0	34.2	42 x 2.0		700269			
DN032	42.4 x 2.0	19.0	65.0	42.9	52 x 2.0		700271			
DN040	48.3 x 2.0	21.0	70.0	48.8	56 x 2.0		700273			
DN050	60.3 x 2.0	21.0	82.0	60.8	68 x 2.0		700275			
DN065	76.1 x 2.0	27.0	105.0	76.6	90 x 3.0		700278			
DN080	88.9 x 2.3	27.0	115.0	89.4	100 x 3.0		700281			
DN100	114.3 x 2.3	29.0	145.0	114.8	130 x 4.0		700263			

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 D größter Außendurchmesser
 D1 Innendurchmesser (Nutmutter)
 E (Rund-) Gewinde (Rd)
 SW Schlüsselweite

Abmessungen

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative Verweisungen,**Anforderungen / Abnahmen (Vormaterial)**

- DIN 11864
 DIN 405-1/-2
 BN2 (gültig für Bauteile in 1.4435)
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (Rohlinge)
 EN 10254 (Rohlinge)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (Rohlinge)
 AD 2000-W2

Kennzeichnung

- Hersteller, Werkstoff, Abmessung, Schmelze,
 DIN 11864

Toleranzen (Bezugsnorm)

- DIN 11864 / ISO 2768-1 / DIN 405-2

Verpackung

- Schweißenden mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

- 1.4435 / 1.4404 (mediumberührt)
 1.4301/07 (nicht mediumberührt)
 EPDM (Standard)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB")**

- innen: feinstgedreht, $R_a < 0.8 \mu\text{m}$
 außen: feingedreht, $R_a < 1.6 \mu\text{m}$

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
$R_a < 0.6 \mu\text{m}$ (STERI-line®)	999279
$R_a < 0.5 \mu\text{m}$ (STERI-line®)	999280
$R_a < 0.4 \mu\text{m}$ (HQ-line®)	999281
$R_a < 0.25 \mu\text{m}$ (HQ-line®)	999283



Zubehör ab Seite 75 | accessories from page 75 on

Key

- external diameter
 internal diameter
 total length
 biggest external diameter
 internal diameter (nut)
 (round) thread (Rd)
 width across flats (A/F)

Dimensions

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative References,**Requirements / Approvals (raw material)**

- DIN 11864
 DIN 405-1/-2
 BN2 (valid for components in 1.4435)
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (forgings)
 EN 10254 (forgings)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (forgings)
 AD 2000-W2

Marking

- manufacturer, material, dimension, heat,
 DIN 11864

Tolerances (reference standard)

- DIN 11864 / ISO 2768-1 / DIN 405-2

Packaging

- Welding ends covered with plastic caps,
 wrapped separately.

Materials

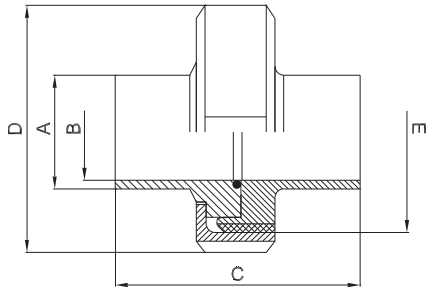
- 316L (at medium contact surface)
 304 (not at medium contact surface)
 EPDM (standard)

further materials on request**Surface condition ("MB")**

- inside: ultra-fine turned, $R_a < 0.8 \mu\text{m}$
 outside: refined turned, $R_a < 1.6 \mu\text{m}$

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Steril-Verschraubung DN025 ISO (1.4435, EPDM) aseptic screwed pipe connection DIN 11864-1-A	707420
e-poliert e-polished	
$R_a < 0.25 \mu\text{m}$	+ 999283



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D	E (Rd)	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010*	12.0 x 1.0	12.0	10.0	76.0	38.0	28 x 1/8"	708064	709977	XXX	XXX
DN010	13.0 x 1.5	13.0	10.0	76.0	38.0	28 x 1/8"	704277	709978	705156	709988
DN015	19.0 x 1.5	19.0	16.0	76.0	44.0	34 x 1/8"	704279	709979	705157	709989
DN020	23.0 x 1.5	23.0	20.0	76.0	54.0	44 x 1/8"	704281	709980	705158	709990
DN025	29.0 x 1.5	29.0	26.0	77.0	63.0	52 x 1/8"	704283	709981	705159	709991
DN032	35.0 x 1.5	35.0	32.0	88.0	70.0	58 x 1/8"	704285	709982	705160	709992
DN040	41.0 x 1.5	41.0	38.0	88.0	78.0	65 x 1/8"	704287	709983	705161	709993
DN050	53.0 x 1.5	53.0	50.0	89.0	92.0	78 x 1/8"	704289	709984	705162	709994
DN065	70.0 x 2.0	70.0	66.0	113.0	112.0	95 x 1/8"	704292	709985	705163	709995
DN080	85.0 x 2.0	85.0	81.0	117.0	127.0	110 x 1/4"	704293	709986	705164	709996
DN100	104.0 x 2.0	104.0	100.0	120.0	148.0	130 x 1/4"	704295	709987	705165	709997

ISO	Abmessung dimension	A	B	C	D	E (Rd)	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	13.5	10.3	76.0	38.0	28 x 1/8"	704635	707416	707342	707427
DN010	17.2 x 1.6	17.2	14.0	76.0	44.0	34 x 1/8"	704278	707417	707344	707428
DN015	21.3 x 1.6	21.3	18.1	78.0	54.0	44 x 1/8"	704280	707418	705166	707429
DN020	26.9 x 1.6	26.9	23.7	78.0	63.0	52 x 1/8"	704282	707419	705167	707430
DN025	33.7 x 2.0	33.7	29.7	88.0	70.0	58 x 1/8"	704284	707420	705168	707431
DN032	42.4 x 2.0	42.4	38.4	88.0	78.0	65 x 1/8"	704286	707421	705169	707432
DN040	48.3 x 2.0	48.3	44.3	90.0	92.0	78 x 1/8"	704288	707422	704920	707433
DN050	60.3 x 2.0	60.3	56.3	114.0	112.0	95 x 1/8"	704290	707423	705170	707434
DN065	76.1 x 2.0	76.1	72.1	117.0	127.0	110 x 1/4"	704276	707424	705171	707435
DN080	88.9 x 2.3	88.9	84.3	122.0	148.0	130 x 1/4"	704294	707425	705172	707436
DN100*	114.3 x 2.3	114.3	109.7	130.0	178.0	160 x 1/4"	704296	707426	705173	707437

ASME BPE	Abmessung dimension	A	B	C	D	E (Rd)	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN 1/2"	12.7 x 1.65	12.7	9.4	76.0	38.0	28 x 1/8"	704648	710002	709920	710010
DN 3/4"	19.05 x 1.65	19.05	15.75	76.0	44.0	34 x 1/8"	704649	710003	709921	710011
DN 1"	25.4 x 1.65	25.4	22.1	77.0	63.0	52 x 1/8"	704650	710004	705174	710012
DN 1 1/2"	38.1 x 1.65	38.1	34.8	88.0	78.0	65 x 1/8"	704651	710005	705175	710013
DN 2"	50.8 x 1.65	50.8	47.5	89.0	92.0	78 x 1/8"	704652	710006	705176	710014
DN 2 1/2"	63.5 x 1.65	63.5	60.2	115.0	112.0	95 x 1/8"	704653	710007	705177	710015
DN 3"	76.2 x 1.65	76.2	72.9	117.0	127.0	110 x 1/4"	704654	710008	705178	710016
DN 4"	101.6 x 2.11	101.6	97.38	119.0	148.0	130 x 1/4"	704655	710009	705179	710017

*) nicht in der DIN-Norm enthalten | non-standard

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 D größter Außendurchmesser
 D1 Innendurchmesser (Nutmutter)
 E (Rund-) Gewinde (Rd)
 SW Schlüsselweite

Abmessungen

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative Verweisungen,**Anforderungen / Abnahmen (Vormaterial)**

- DIN 11853
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (Rohlinge)
 EN 10254 (Rohlinge)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (Rohlinge)
 AD 2000-W2

Kennzeichnung

- Hersteller, Werkstoff, Abmessung, Schmelze,
 DIN 11853

Toleranzen (Bezugsnorm)

- DIN 11853 / ISO 2768-1 / DIN 405-2

Verpackung

- Schweißenden mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

- 1.4404 (mediumberührt)
 1.4301/07 (nicht mediumberührt)
 EPDM (Standard)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB")**

- innen: feinstgedreht, $Ra < 0.8 \mu m$
 außen: feingedreht, $Ra < 1.6 \mu m$

Key

- external diameter
 internal diameter
 total length
 biggest external diameter
 internal diameter (nut)
 (round) thread (Rd)
 width across flats (A/F)

Dimensions

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative References,**Requirements / Approvals (raw material)**

- DIN 11853
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (forgings)
 EN 10254 (forgings)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (forgings)
 AD 2000-W2

Marking

- manufacturer, material, dimension, heat,
 DIN 11853

Tolerances (reference standard)

- DIN 11853 / ISO 2768-1 / DIN 405-2

Packaging

- Welding ends covered with plastic caps,
 wrapped separately.

Materials

- 316L (at medium contact surface)
 304 (not at medium contact surface)
 EPDM (standard)

further materials on request**Surface condition ("MB")**

- inside: ultra-fine turned, $Ra < 0.8 \mu m$
 outside: refined turned, $Ra < 1.6 \mu m$

**Oberflächenqualitäten | surface qualities**

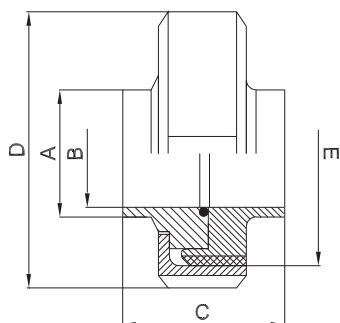
Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
$Ra < 0.6 \mu m$ (STERI-line®)	999279
$Ra < 0.5 \mu m$ (STERI-line®)	999280
$Ra < 0.4 \mu m$ (HQ-line®)	999281
$Ra < 0.25 \mu m$ (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Hygiene-Verschraubung DN025 ISO (1.4404, EPDM) hygienic screwed pipe connection DIN 11853-1	706254
e-poliert e-polished	+ 999277
$Ra < 0.25 \mu m$	+ 999283



Zubehör ab Seite 75 | accessories from page 75 on



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D	E (Rd)	MB 1.4404			
DN010	13.0 x 1.5	13.0	10.0	32.0	38.0	28 x 1/8"	705840			
DN015	19.0 x 1.5	19.0	16.0	32.0	44.0	34 x 1/8"	705841			
DN020	23.0 x 1.5	23.0	20.0	34.0	54.0	44 x 1/6"	705842			
DN025	29.0 x 1.5	29.0	26.0	42.0	63.0	52 x 1/6"	705843			
DN032	35.0 x 1.5	35.0	32.0	48.0	70.0	58 x 1/6"	705844			
DN040	41.0 x 1.5	41.0	38.0	50.0	78.0	65 x 1/6"	705845			
DN050	53.0 x 1.5	53.0	50.0	54.0	92.0	78 x 1/6"	705846			
DN065	70.0 x 2.0	70.0	66.0	62.0	112.0	95 x 1/6"	705847			
DN080	85.0 x 2.0	85.0	81.0	72.0	127.0	110 x 1/4"	705848			
DN100	104.0 x 2.0	104.0	100.0	86.0	148.0	130 x 1/4"	705849			

ISO	Abmessung dimension	A	B	C	D	E (Rd)	MB 1.4404			
DN008	13.5 x 1.6	13.5	10.3	32.0	38.0	28 x 1/8"	707343			
DN010	17.2 x 1.6	17.2	14.0	32.0	44.0	34 x 1/8"	707345			
DN015	21.3 x 1.6	21.3	18.1	34.0	54.0	44 x 1/6"	706252			
DN020	26.9 x 1.6	26.9	23.7	42.0	63.0	52 x 1/6"	706253			
DN025	33.7 x 2.0	33.7	29.7	48.0	70.0	58 x 1/6"	706254			
DN032	42.4 x 2.0	42.4	38.4	50.0	78.0	65 x 1/6"	706255			
DN040	48.3 x 2.0	48.3	44.3	54.0	92.0	78 x 1/6"	706256			
DN050	60.3 x 2.0	60.3	56.3	62.0	112.0	95 x 1/6"	706257			
DN065	76.1 x 2.0	76.1	72.1	72.0	127.0	110 x 1/4"	706258			
DN080	88.9 x 2.3	88.9	84.3	86.0	148.0	130 x 1/4"	706259			
DN100	114.3 x 2.3	114.3	109.7	86.0	178.0	160 x 1/4"	707448			

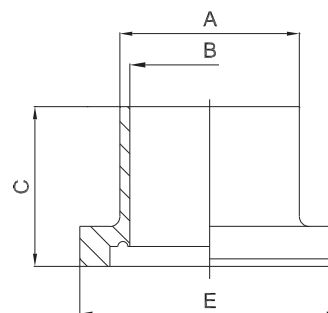
ASME BPE	Abmessung dimension	A	B	C	D	E (Rd)	MB 1.4404			
DN 1/2"	12.7 x 1.65	12.7	9.4	32.0	38.0	28 x 1/8"	709922			
DN 3/4"	19.05 x 1.65	19.05	15.75	32.0	44.0	34 x 1/8"	709923			
DN 1"	25.4 x 1.65	25.4	22.1	42.0	63.0	52 x 1/6"	706260			
DN 1 1/2"	38.1 x 1.65	38.1	34.8	50.0	78.0	65 x 1/6"	706261			
DN 2"	50.8 x 1.65	50.8	47.5	54.0	92.0	78 x 1/6"	706262			
DN 2 1/2"	63.5 x 1.65	63.5	60.2	62.0	112.0	95 x 1/6"	706263			
DN 3"	76.2 x 1.65	76.2	72.9	72.0	127.0	110 x 1/4"	706264			
DN 4"	101.6 x 2.11	101.6	97.38	86.0	148.0	130 x 1/4"	706265			

*) nicht in der DIN-Norm enthalten | non-standard



2.2.2 S Steril-Gewindestutzen DIN 11864-1-A

aseptic threaded connecting piece (male part)



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 14

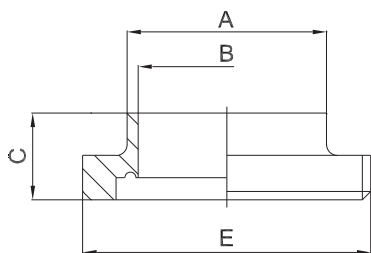
weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	E (Rd)		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010*	12.0 x 1.0	12.0	10.0	41.0	28 x 1/8"		704006	710068	XXX	XXX
DN010	13.0 x 1.5	13.0	10.0	41.0	28 x 1/8"		703280	709540	705142	710069
DN015	19.0 x 1.5	19.0	16.0	41.0	34 x 1/8"		703002	709541	705076	710070
DN020	23.0 x 1.5	23.0	20.0	43.0	44 x 1/8"		703260	709542	705141	710071
DN025	29.0 x 1.5	29.0	26.0	43.0	52 x 1/8"		703276	709543	704921	710072
DN032	35.0 x 1.5	35.0	32.0	48.0	58 x 1/8"		703277	709544	704046	710073
DN040	41.0 x 1.5	41.0	38.0	48.0	65 x 1/8"		703278	709545	704949	710074
DN050	53.0 x 1.5	53.0	50.0	48.0	78 x 1/8"		703279	709546	704963	710075
DN065	70.0 x 2.0	70.0	66.0	60.0	95 x 1/8"		703282	709547	704962	710076
DN080	85.0 x 2.0	85.0	81.0	64.0	110 x 1/4"		703283	709548	704961	710077
DN100	104.0 x 2.0	104.0	100.0	64.0	130 x 1/4"		703284	709549	705143	710078

ISO	Abmessung dimension	A	B	C	E (Rd)		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	13.5	10.3	41.0	28 x 1/8"		704642	707350	707323	707361
DN010	17.2 x 1.6	17.2	14.0	41.0	34 x 1/8"		704641	707351	707324	707362
DN015	21.3 x 1.6	21.3	18.1	43.0	44 x 1/8"		703281	707352	705046	707363
DN020	26.9 x 1.6	26.9	23.7	43.0	52 x 1/8"		703285	707353	705491	707364
DN025	33.7 x 2.0	33.7	29.7	48.0	58 x 1/8"		703286	707354	705144	707365
DN032	42.4 x 2.0	42.4	38.4	48.0	65 x 1/8"		703287	707355	705145	707366
DN040	48.3 x 2.0	48.3	44.3	49.0	78 x 1/8"		703288	707356	704985	707367
DN050	60.3 x 2.0	60.3	56.3	60.0	95 x 1/8"		703289	707357	705146	707368
DN065	76.1 x 2.0	76.1	72.1	64.0	110 x 1/4"		703290	707358	705147	707369
DN080	88.9 x 2.3	88.9	84.3	64.0	130 x 1/4"		703291	707359	705148	707370
DN100*	114.3 x 2.3	114.3	109.7	68.0	160 x 1/4"		700039	707360	705149	707371

ASME BPE	Abmessung dimension	A	B	C	E (Rd)		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN 1/2"	12.7 x 1.65	12.7	9.4	41.0	28 x 1/8"		704640	710079	709907	710087
DN 3/4"	19.05 x 1.65	19.05	15.75	41.0	34 x 1/8"		704639	710080	709908	710088
DN 1"	25.4 x 1.65	25.4	22.1	43.0	52 x 1/8"		703292	710081	705150	710089
DN 1 1/2"	38.1 x 1.65	38.1	34.8	48.5	65 x 1/8"		703269	710082	705151	710090
DN 2"	50.8 x 1.65	50.8	47.5	48.5	78 x 1/8"		703293	710083	705152	710091
DN 2 1/2"	63.5 x 1.65	63.5	60.2	60.0	95 x 1/8"		703294	710084	705153	710092
DN 3"	76.2 x 1.65	76.2	72.9	64.0	110 x 1/4"		703295	710085	705154	710093
DN 4"	101.6 x 2.11	101.6	97.38	64.0	130 x 1/4"		703296	710086	705155	710094

*) nicht in der DIN-Norm enthalten | non-standard



weitere Abmessungen auf Anfrage | further dimensions on request

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DIN	Abmessung dimension	A	B	C	E (Rd)	MB 1.4404			
DN010	13.0 x 1.5	13.0	10.0	19.0	28 x 1/8"	706275			
DN015	19.0 x 1.5	19.0	16.0	19.0	34 x 1/8"	704092			
DN020	23.0 x 1.5	23.0	20.0	21.0	44 x 1/6"	704095			
DN025	29.0 x 1.5	29.0	26.0	26.0	52 x 1/6"	704048			
DN032	35.0 x 1.5	35.0	32.0	30.0	58 x 1/6"	704974			
DN040	41.0 x 1.5	41.0	38.0	31.0	65 x 1/6"	704950			
DN050	53.0 x 1.5	53.0	50.0	31.0	78 x 1/6"	705631			
DN065	70.0 x 2.0	70.0	66.0	36.0	95 x 1/6"	705632			
DN080	85.0 x 2.0	85.0	81.0	42.0	110 x 1/4"	706276			
DN100	104.0 x 2.0	104.0	100.0	50.0	130 x 1/4"	706277			

ISO	Abmessung dimension	A	B	C	E (Rd)	MB 1.4404			
DN008	13.5 x 1.6	13.5	10.3	19.0	28 x 1/8"	707325			
DN010	17.2 x 1.6	17.2	14.0	19.0	34 x 1/8"	707326			
DN015	21.3 x 1.6	21.3	18.1	21.0	44 x 1/6"	704966			
DN020	26.9 x 1.6	26.9	23.7	26.0	52 x 1/6"	704945			
DN025	33.7 x 2.0	33.7	29.7	30.0	58 x 1/6"	705621			
DN032	42.4 x 2.0	42.4	38.4	31.0	65 x 1/6"	705606			
DN040	48.3 x 2.0	48.3	44.3	31.0	78 x 1/6"	706278			
DN050	60.3 x 2.0	60.3	56.3	36.0	95 x 1/6"	705607			
DN065	76.1 x 2.0	76.1	72.1	42.0	110 x 1/4"	706279			
DN080	88.9 x 2.3	88.9	84.3	50.0	130 x 1/4"	706280			
DN100*	114.3 x 2.3	114.3	109.7	50.0	160 x 1/4"	707327			

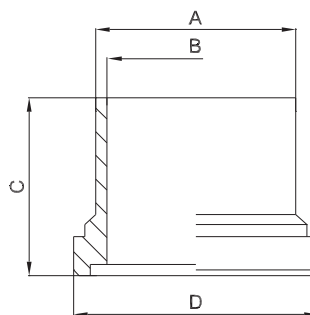
ASME BPE	Abmessung dimension	A	B	C	E (Rd)	MB 1.4404			
DN 1/2"	12.7 x 1.65	12.7	9.4	19.0	28 x 1/8"	709911			
DN 3/4"	19.05 x 1.65	19.05	15.75	19.0	34 x 1/8"	709912			
DN 1"	25.4 x 1.65	25.4	22.1	26.0	52 x 1/6"	706281			
DN 1 1/2"	38.1 x 1.65	38.1	34.8	31.0	65 x 1/6"	706282			
DN 2"	50.8 x 1.65	50.8	47.5	31.0	78 x 1/6"	706283			
DN 2 1/2"	63.5 x 1.65	63.5	60.2	36.0	95 x 1/6"	706284			
DN 3"	76.2 x 1.65	76.2	72.9	42.0	110 x 1/4"	706285			
DN 4"	101.6 x 2.11	101.6	97.38	50.0	130 x 1/4"	706286			

*) nicht in der DIN-Norm enthalten | non-standard



2.2.3 S Steril-Bundstutzen DIN 11864-1-A

aseptic liner



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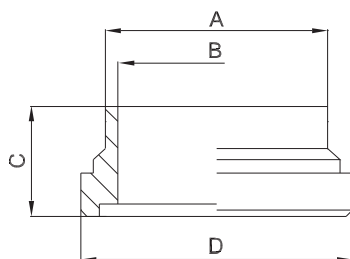
weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010*	12.0 x 1.0	12.0	10.0	39.0	21.9		706780	710018	XXX	XXX
DN010	13.0 x 1.5	13.0	10.0	39.0	21.9		703250	705695	705123	710019
DN015	19.0 x 1.5	19.0	16.0	39.0	27.9		703251	709550	705602	710020
DN020	23.0 x 1.5	23.0	20.0	38.0	35.9		703252	709551	704045	710021
DN025	29.0 x 1.5	29.0	26.0	40.0	42.9		703253	709552	704978	710022
DN032	35.0 x 1.5	35.0	32.0	47.0	48.9		703254	709553	705124	710023
DN040	41.0 x 1.5	41.0	38.0	47.0	54.9		703255	709554	705086	710024
DN050	53.0 x 1.5	53.0	50.0	48.0	66.9		703256	709555	705125	710025
DN065	70.0 x 2.0	70.0	66.0	61.0	84.9		703257	709556	704975	710026
DN080	85.0 x 2.0	85.0	81.0	61.0	98.9		703258	709557	705126	710027
DN100	104.0 x 2.0	104.0	100.0	66.0	118.9		703258	709558	705025	710028

ISO	Abmessung dimension	A	B	C	D		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	13.5	10.3	39.0	21.9		704645	707383	707328	707394
DN010	17.2 x 1.6	17.2	14.0	39.0	27.9		704646	707384	707329	707395
DN015	21.3 x 1.6	21.3	18.1	40.0	35.9		703261	707385	705028	707396
DN020	26.9 x 1.6	26.9	23.7	41.0	42.9		703262	707386	705128	707397
DN025	33.7 x 2.0	33.7	29.7	47.0	48.9		703263	707387	705129	707398
DN032	42.4 x 2.0	42.4	38.4	47.0	54.9		703264	707388	705130	707399
DN040	48.3 x 2.0	48.3	44.3	48.0	66.9		703265	707389	705036	707400
DN050	60.3 x 2.0	60.3	56.3	62.0	84.9		703266	707390	705131	707401
DN065	76.1 x 2.0	76.1	72.1	61.0	98.9		703267	707391	705132	707402
DN080	88.9 x 2.3	88.9	84.3	68.0	118.9		703268	707392	705133	707403
DN100*	114.3 x 2.3	114.3	109.7	72.0	147.9		704647	707393	707330	707404

ASME BPE	Abmessung dimension	A	B	C	D		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN 1/2"	12.7 x 1.65	12.7	9.4	39.0	21.9		704644	710029	709909	710037
DN 3/4"	19.05 x 1.65	19.05	15.75	39.0	27.9		704643	710030	709910	710038
DN 1"	25.4 x 1.65	25.4	22.1	40.0	42.9		703270	710031	705135	710039
DN 1 1/2"	38.1 x 1.65	38.1	34.8	46.5	54.9		703271	710032	705136	710040
DN 2"	50.8 x 1.65	50.8	47.5	47.5	66.9		703272	710033	705137	710041
DN 2 1/2"	63.5 x 1.65	63.5	60.2	63.0	84.9		703273	710034	705138	710042
DN 3"	76.2 x 1.65	76.2	72.9	61.0	98.9		703274	710035	705139	710043
DN 4"	101.6 x 2.11	101.6	97.38	65.0	118.9		703275	710036	705140	710044

*) nicht in der DIN-Norm enthalten | non-standard



weitere Abmessungen auf Anfrage | further dimensions on request

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DIN	Abmessung dimension	A	B	C	D		MB 1.4404			
DN010	13.0 x 1.5	13.0	10.0	17.0	21.9		704234			
DN015	19.0 x 1.5	19.0	16.0	17.0	27.9		704037			
DN020	23.0 x 1.5	23.0	20.0	18.0	35.9		704089			
DN025	29.0 x 1.5	29.0	26.0	22.0	42.9		704233			
DN032	35.0 x 1.5	35.0	32.0	25.0	48.9		704047			
DN040	41.0 x 1.5	41.0	38.0	26.0	54.9		704793			
DN050	53.0 x 1.5	53.0	50.0	30.0	66.9		705633			
DN065	70.0 x 2.0	70.0	66.0	34.0	84.9		705634			
DN080	85.0 x 2.0	85.0	81.0	38.0	98.9		706287			
DN100	104.0 x 2.0	104.0	100.0	46.0	118.9		706288			

ISO	Abmessung dimension	A	B	C	D		MB 1.4404			
DN008	13.5 x 1.6	13.5	10.3	17.0	21.9		707331			
DN010	17.2 x 1.6	17.2	14.0	17.0	27.9		707332			
DN015	21.3 x 1.6	21.3	18.1	18.0	35.9		705608			
DN020	26.9 x 1.6	26.9	23.7	22.0	42.9		706036			
DN025	33.7 x 2.0	33.7	29.7	25.0	48.9		705609			
DN032	42.4 x 2.0	42.4	38.4	26.0	54.9		705610			
DN040	48.3 x 2.0	48.3	44.3	30.0	66.9		705611			
DN050	60.3 x 2.0	60.3	56.3	34.0	84.9		705027			
DN065	76.1 x 2.0	76.1	72.1	38.0	98.9		706289			
DN080	88.9 x 2.3	88.9	84.3	46.0	118.9		706290			
DN100*	114.3 x 2.3	114.3	109.7	46.0	147.9		707333			

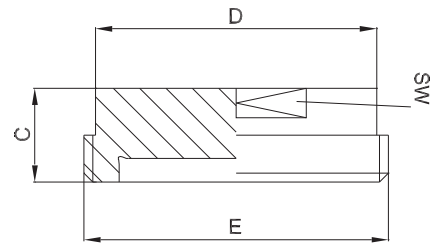
ASME BPE	Abmessung dimension	A	B	C	D		MB 1.4404			
DN 1/2"	12.7 x 1.65	12.7	9.4	17.0	21.9		709913			
DN 3/4"	19.05 x 1.65	19.05	15.75	17.0	27.9		709914			
DN 1"	25.4 x 1.65	25.4	22.1	22.0	42.9		706291			
DN 1 1/2"	38.1 x 1.65	38.1	34.8	26.0	54.9		706292			
DN 2"	50.8 x 1.65	50.8	47.5	30.0	66.9		706293			
DN 2 1/2"	63.5 x 1.65	63.5	60.2	34.0	84.9		706294			
DN 3"	76.2 x 1.65	76.2	72.9	38.0	98.9		706295			
DN 4"	101.6 x 2.11	101.6	97.38	46.0	118.9		706296			

*) nicht in der DIN-Norm enthalten | non-standard



2.2.4 Blindgewindestutzen DIN 11864-1-A/DIN 11853-1

blind threaded connecting piece (male part)



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 16

weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	C	D	E (Rd)	SW		MB 1.4435	MB 1.4404		
DN010	13.0 x 1.5	24.0	23.0	28 x 1/8"	19.0		703403	705122		
DN015	19.0 x 1.5	24.0	28.0	34 x 1/8"	24.0		703404	705186		
DN020	23.0 x 1.5	24.0	34.0	44 x 1/6"	30.0		703405	705187		
DN025	29.0 x 1.5	24.0	44.0	52 x 1/6"	41.0		703406	705188		
DN032	35.0 x 1.5	24.0	53.0	58 x 1/6"	46.0		703407	705189		
DN040	41.0 x 1.5	24.0	60.0	65 x 1/6"	50.0		703408	705190		
DN050	53.0 x 1.5	24.0	72.0	78 x 1/6"	65.0		703409	705191		
DN065	70.0 x 2.0	28.0	87.0	95 x 1/6"	80.0		703410	705192		
DN080	85.0 x 2.0	28.0	100.0	110 x 1/4"	95.0		703411	705193		
DN100	104.0 x 2.0	30.0	120.0	130 x 1/4"	115.0		703412	705194		

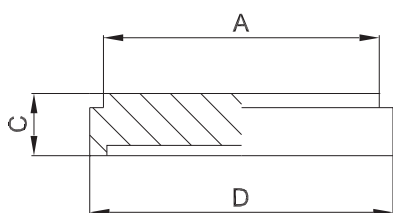
ISO	Abmessung dimension	C	D	E (Rd)	SW		MB 1.4435	MB 1.4404		
DN008	13.5 x 1.6	24.0	23.0	28 x 1/8"	19.0		704717	709915		
DN010	17.2 x 1.6	24.0	28.0	34 x 1/8"	24.0		704716	709916		
DN015	21.3 x 1.6	24.0	34.0	44 x 1/6"	30.0		704718	705195		
DN020	26.9 x 1.6	24.0	44.0	52 x 1/6"	41.0		704719	705196		
DN025	33.7 x 2.0	24.0	53.0	58 x 1/6"	46.0		704720	705197		
DN032	42.4 x 2.0	24.0	60.0	65 x 1/6"	50.0		704721	705198		
DN040	48.3 x 2.0	24.0	72.0	78 x 1/6"	65.0		704722	705199		
DN050	60.3 x 2.0	28.0	87.0	95 x 1/6"	80.0		704723	705200		
DN065	76.1 x 2.0	28.0	100.0	110 x 1/4"	95.0		704724	705201		
DN080	88.9 x 2.3	30.0	120.0	130 x 1/4"	115.0		704725	705202		
DN100	114.3 x 2.3	38.0	150.0	160 x 1/4"	145.0		704726	705203		

ASME BPE	Abmessung dimension	C	D	E (Rd)	SW		MB 1.4435	MB 1.4404		
DN 1/2"	12.7 x 1.65	24.0	23.0	28 x 1/8"	19.0		704727	709917		
DN 3/4"	19.05 x 1.65	24.0	28.0	34 x 1/8"	24.0		704728	709918		
DN 1"	25.4 x 1.65	24.0	44.0	52 x 1/6"	41.0		704729	705180		
DN 1 1/2"	38.1 x 1.65	24.0	60.0	65 x 1/6"	50.0		704730	705181		
DN 2"	50.8 x 1.65	24.0	72.0	78 x 1/6"	65.0		704731	705182		
DN 2 1/2"	63.5 x 1.65	28.0	87.0	95 x 1/6"	80.0		704732	705183		
DN 3"	76.2 x 1.65	28.0	100.0	110 x 1/4"	95.0		704733	705184		
DN 4"	101.6 x 2.11	30.0	120.0	130 x 1/4"	115.0		704734	705185		



2.2.5 Blindbundstutzen DIN 11864-1-A/DIN 11853-1

blind liner



weitere Abmessungen auf Anfrage | further dimensions on request

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DIN	Abmessung dimension	A	C	D			MB 1.4435	MB 1.4404		
DN010	13.0 x 1.5	18.0	9.0	21.9			703413	705110		
DN015	19.0 x 1.5	24.0	9.0	27.9			703414	705109		
DN020	23.0 x 1.5	30.0	10.0	35.9			703415	705108		
DN025	29.0 x 1.5	35.0	12.0	42.9			703416	705021		
DN032	35.0 x 1.5	41.0	13.0	48.9			703417	705107		
DN040	41.0 x 1.5	48.0	13.0	54.9			703418	705023		
DN050	53.0 x 1.5	61.0	14.0	66.9			703419	705059		
DN065	70.0 x 2.0	79.0	16.0	84.9			703420	704965		
DN080	85.0 x 2.0	93.0	16.0	98.9			703421	704964		
DN100	104.0 x 2.0	114.0	20.0	118.9			703422	705024		

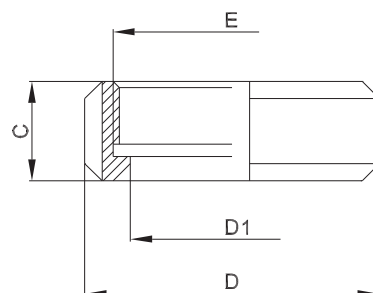
ISO	Abmessung dimension	A	C	D			MB 1.4435	MB 1.4404		
DN008	13.5 x 1.6	18.0	9.0	21.9			704700	709842		
DN010	17.2 x 1.6	24.0	9.0	27.9			704701	709843		
DN015	21.3 x 1.6	30.0	10.0	35.9			704594	705029		
DN020	26.9 x 1.6	35.0	12.0	42.9			704702	705111		
DN025	33.7 x 2.0	41.0	13.0	48.9			704534	704967		
DN032	42.4 x 2.0	48.0	13.0	54.9			704703	705112		
DN040	48.3 x 2.0	61.0	14.0	66.9			704704	705022		
DN050	60.3 x 2.0	79.0	16.0	84.9			704548	704992		
DN065	76.1 x 2.0	93.0	16.0	98.9			704705	705113		
DN080	88.9 x 2.3	114.0	20.0	118.9			704706	705114		
DN100	114.3 x 2.3	137.0	22.0	147.9			704707	709919		

ASME BPE	Abmessung dimension	A	C	D			MB 1.4435	MB 1.4404		
DN 1/2"	12.7 x 1.65	18.0	9.0	21.9			704708	709844		
DN 3/4"	19.05 x 1.65	24.0	9.0	27.9			704709	709845		
DN 1"	25.4 x 1.65	35.0	12.0	42.9			704710	705116		
DN 1 1/2"	38.1 x 1.65	48.0	13.0	54.9			704711	705117		
DN 2"	50.8 x 1.65	61.0	14.0	66.9			704712	705118		
DN 2 1/2"	63.5 x 1.65	79.0	16.0	84.9			704713	705119		
DN 3"	76.2 x 1.65	93.0	16.0	98.9			704714	705120		
DN 4"	101.6 x 2.11	114.0	20.0	118.9			704715	705121		



2.2.6 Nutmutter mit Freistich (DIN 11851-F)

nut with thread undercut



DIN	Abmessung dimension	C	D	D1	E (Rd)		1.4301/07 304	1.4404 316L		
DN010	13.0 x 1.5	18.0	38.0	19.0	28 x 1/8"		708892	701474		
DN015	19.0 x 1.5	18.0	44.0	25.0	34 x 1/8"		708667	701475		
DN020	23.0 x 1.5	20.0	54.0	31.0	44 x 1/8"		708881	701476		
DN025	29.0 x 1.5	21.0	63.0	36.0	52 x 1/8"		708300	701477		
DN032	35.0 x 1.5	21.0	70.0	42.0	58 x 1/8"		708668	701478		
DN040	41.0 x 1.5	21.0	78.0	49.0	65 x 1/8"		708787	701479		
DN050	53.0 x 1.5	22.0	92.0	62.0	78 x 1/8"		708656	701480		
DN065	70.0 x 2.0	25.0	112.0	80.0	95 x 1/8"		708882	701481		
DN080	85.0 x 2.0	29.0	127.0	94.0	110 x 1/4"		708883	701482		
DN100	104.0 x 2.0	31.0	148.0	115.0	130 x 1/4"		703495	701483		

ISO	Abmessung dimension	C	D	D1	E (Rd)		1.4301/07 304	1.4404 316L		
DN008	13.5 x 1.6	18.0	38.0	19.0	28 x 1/8"		708892	701474		
DN010	17.2 x 1.6	18.0	44.0	25.0	34 x 1/8"		708667	701475		
DN015	21.3 x 1.6	20.0	54.0	31.0	44 x 1/8"		708881	701476		
DN020	26.9 x 1.6	21.0	63.0	36.0	52 x 1/8"		708300	701477		
DN025	33.7 x 2.0	21.0	70.0	42.0	58 x 1/8"		708668	701478		
DN032	42.4 x 2.0	21.0	78.0	49.0	65 x 1/8"		708787	701479		
DN040	48.3 x 2.0	22.0	92.0	62.0	78 x 1/8"		708656	701480		
DN050	60.3 x 2.0	25.0	112.0	80.0	95 x 1/8"		708882	701481		
DN065	76.1 x 2.0	29.0	127.0	94.0	110 x 1/4"		708883	701482		
DN080	88.9 x 2.3	31.0	148.0	115.0	130 x 1/4"		703495	701483		
DN100	114.3 x 2.3	35.0	178.0	138.0	160 x 1/4"		702977	701484		

ASME BPE	Abmessung dimension	C	D	D1	E (Rd)		1.4301/07 304	1.4404 316L		
DN 1/2"	12.7 x 1.65	18.0	38.0	19.0	28 x 1/8"		708892	701474		
DN 3/4"	19.05 x 1.65	18.0	44.0	25.0	34 x 1/8"		708667	701475		
DN 1"	25.4 x 1.65	21.0	63.0	36.0	52 x 1/8"		708300	701477		
DN 1 1/2"	38.1 x 1.65	21.0	78.0	49.0	65 x 1/8"		708787	701479		
DN 2"	50.8 x 1.65	22.0	92.0	62.0	78 x 1/8"		708656	701480		
DN 2 1/2"	63.5 x 1.65	25.0	112.0	80.0	95 x 1/8"		708882	701481		
DN 3"	76.2 x 1.65	29.0	127.0	94.0	110 x 1/4"		708883	701482		
DN 4"	101.6 x 2.11	31.0	148.0	115.0	130 x 1/4"		703495	701483		

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 D Flansch-Außendurchmesser
 LK Lochkreis

Abmessungen

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 auf Anfrage: DIN 11866-C (ASME BPE)

**Normative Verweisungen,
 Anforderungen / Abnahmen (Vormaterial)**

BN2
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (Rohlinge)
 EN 10254 (Rohlinge)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (Rohlinge)
 AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze,
 STERI-Connect®

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

1.4435 (mediumberührt)
 1.4301/07 (nicht mediumberührt)
 EPDM (Standard)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB")**

innen: feinstgedreht, Ra < 0.8 µm
 außen: feingedreht, Ra < 1.6 µm

Key

external diameter
 internal diameter
 total length
 outer flange diameter
 bolt circle

Dimensions

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 on request: DIN 11866-C (ASME BPE)

**Normative References,
 Requirements / Approvals (raw material)**

BN2
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (forgings)
 EN 10254 (forgings)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (forgings)
 AD 2000-W2

Marking

manufacturer, material, dimension, heat,
 STERI-Connect®

Tolerances (reference standard)

ISO 2768-1

Packaging

Welding ends covered with plastic caps,
 wrapped separately.

Materials

316L (at medium contact surface)
 304 (not at medium contact surface)
 EPDM (standard)

further materials on request**Surface condition ("MB")**

inside: ultra-fine turned, Ra < 0.8 µm
 outside: refined turned, Ra < 1.6 µm

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

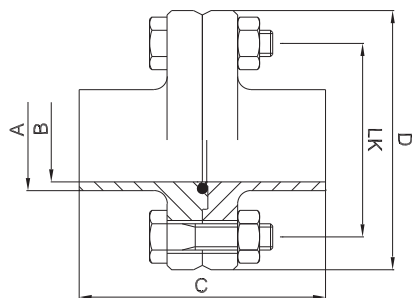
Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Steril-Flanschverbindung DN025 ISO (1.4435, EPDM) aseptic flange connection STERI-Connect®	700448
e-poliert e-polished	+ 999277
Ra < 0.25 µm	+ 999283



Zubehör ab Seite 73 | accessories from page 73 on



2.3.1 Steril-Flanschverbindung STERI-Connect®



weitere Abmessungen auf Anfrage | further dimensions on request

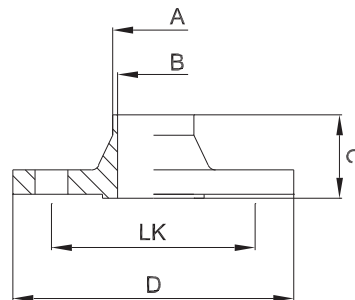
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DN008	10.0 x 1.0	10.0	8.0	88.0	60.0	40.0	705214			
DN010	12.0 x 1.0	12.0	10.0	88.0	65.0	45.0	700439			
DN010	13.0 x 1.5	13.0	10.0	88.0	65.0	45.0	709784			
DN015	19.0 x 1.5	19.0	16.0	88.0	75.0	55.0	700443			
DN020	23.0 x 1.5	23.0	20.0	92.0	80.0	60.0	700445			
DN025	29.0 x 1.5	29.0	26.0	102.0	85.0	65.0	700447			
DN032	35.0 x 1.5	35.0	32.0	102.0	95.0	75.0	700449			
DN040	41.0 x 1.5	41.0	38.0	102.0	100.0	80.0	700451			
DN050	53.0 x 1.5	53.0	50.0	106.0	110.0	90.0	700453			
DN065	70.0 x 2.0	70.0	66.0	130.0	140.0	115.0	700456			
DN080	85.0 x 2.0	85.0	81.0	130.0	150.0	125.0	700459			
DN100	104.0 x 2.0	104.0	100.0	134.0	175.0	150.0	700441			

ISO	Abmessung dimension	A	B	C	D	LK	MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	88.0	60.0	40.0	700458			
DN010	17.2 x 1.6	17.2	14.0	88.0	65.0	45.0	700440			
DN015	21.3 x 1.6	21.3	18.1	88.0	75.0	55.0	700444			
DN020	26.9 x 1.6	26.9	23.7	92.0	80.0	60.0	700446			
DN025	33.7 x 2.0	33.7	29.7	102.0	85.0	65.0	700448			
DN032	42.4 x 2.0	42.4	38.4	102.0	95.0	75.0	700450			
DN040	48.3 x 2.0	48.3	44.3	102.0	100.0	80.0	700452			
DN050	60.3 x 2.0	60.3	56.3	106.0	110.0	90.0	700454			
DN065	76.1 x 2.0	76.1	72.1	130.0	140.0	115.0	700457			
DN080	88.9 x 2.3	88.9	84.3	130.0	150.0	125.0	700460			
DN100	114.3 x 2.3	114.3	109.7	134.0	175.0	150.0	700442			



2.3.2 Steril-Flansch -VS- STERI-Connect®

aseptic flange -VS-

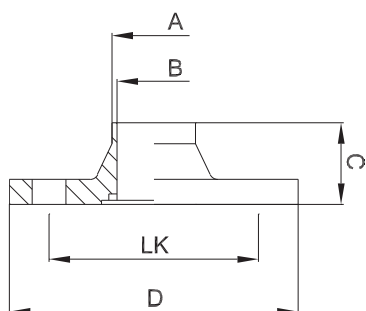


zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 25

weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D	LK	MB 1.4435			
DN008	10.0 x 1.0	10.0	8.0	45.0	60.0	40.0	704205			
DN010	12.0 x 1.0	12.0	10.0	45.0	65.0	45.0	700417			
DN010	13.0 x 1.5	13.0	10.0	45.0	65.0	45.0	709175			
DN015	19.0 x 1.5	19.0	16.0	45.0	75.0	55.0	700421			
DN020	23.0 x 1.5	23.0	20.0	47.0	80.0	60.0	700423			
DN025	29.0 x 1.5	29.0	26.0	52.0	85.0	65.0	700425			
DN032	35.0 x 1.5	35.0	32.0	52.0	95.0	75.0	700427			
DN040	41.0 x 1.5	41.0	38.0	52.0	100.0	80.0	700429			
DN050	53.0 x 1.5	53.0	50.0	54.0	110.0	90.0	703007			
DN065	70.0 x 2.0	70.0	66.0	66.0	140.0	115.0	700434			
DN080	85.0 x 2.0	85.0	81.0	66.0	150.0	125.0	700437			
DN100	104.0 x 2.0	104.0	100.0	68.0	175.0	150.0	700419			

ISO	Abmessung dimension	A	B	C	D	LK	MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	45.0	60.0	40.0	700436			
DN010	17.2 x 1.6	17.2	14.0	45.0	65.0	45.0	700418			
DN015	21.3 x 1.6	21.3	18.1	45.0	75.0	55.0	700422			
DN020	26.9 x 1.6	26.9	23.7	47.0	80.0	60.0	700424			
DN025	33.7 x 2.0	33.7	29.7	52.0	85.0	65.0	700426			
DN032	42.4 x 2.0	42.4	38.4	52.0	95.0	75.0	700428			
DN040	48.3 x 2.0	48.3	44.3	52.0	100.0	80.0	700430			
DN050	60.3 x 2.0	60.3	56.3	54.0	110.0	90.0	700432			
DN065	76.1 x 2.0	76.1	72.1	66.0	140.0	115.0	700435			
DN080	88.9 x 2.3	88.9	84.3	66.0	150.0	125.0	700438			
DN100	114.3 x 2.3	114.3	109.7	68.0	175.0	150.0	700420			



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 25

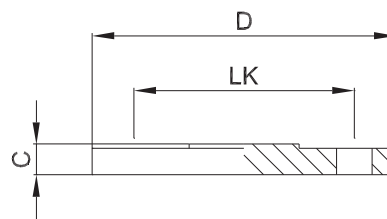
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DN008	10.0 x 1.0	10.0	8.0	45.0	60.0	40.0	704054			
DN010	12.0 x 1.0	12.0	10.0	45.0	65.0	45.0	700395			
DN010	13.0 x 1.5	13.0	10.0	45.0	65.0	45.0	708615			
DN015	19.0 x 1.5	19.0	16.0	45.0	75.0	55.0	700399			
DN020	23.0 x 1.5	23.0	20.0	47.0	80.0	60.0	700401			
DN025	29.0 x 1.5	29.0	26.0	52.0	85.0	65.0	700403			
DN032	35.0 x 1.5	35.0	32.0	52.0	95.0	75.0	700405			
DN040	41.0 x 1.5	41.0	38.0	52.0	100.0	80.0	700407			
DN050	53.0 x 1.5	53.0	50.0	54.0	110.0	90.0	700409			
DN065	70.0 x 2.0	70.0	66.0	66.0	140.0	115.0	700412			
DN080	85.0 x 2.0	85.0	81.0	66.0	150.0	125.0	700415			
DN100	104.0 x 2.0	104.0	100.0	68.0	175.0	150.0	700397			

ISO	Abmessung dimension	A	B	C	D	LK	MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	45.0	60.0	40.0	700414			
DN010	17.2 x 1.6	17.2	14.0	45.0	65.0	45.0	700396			
DN015	21.3 x 1.6	21.3	18.1	45.0	75.0	55.0	700400			
DN020	26.9 x 1.6	26.9	23.7	47.0	80.0	60.0	700402			
DN025	33.7 x 2.0	33.7	29.7	52.0	85.0	65.0	700404			
DN032	42.4 x 2.0	42.4	38.4	52.0	95.0	75.0	700406			
DN040	48.3 x 2.0	48.3	44.3	52.0	100.0	80.0	700408			
DN050	60.3 x 2.0	60.3	56.3	54.0	110.0	90.0	700410			
DN065	76.1 x 2.0	76.1	72.1	66.0	140.0	115.0	700413			
DN080	88.9 x 2.3	88.9	84.3	66.0	150.0	125.0	700416			
DN100	114.3 x 2.3	114.3	109.7	68.0	175.0	150.0	700398			



2.3.4 Steril-Blindflansch -VS- STERI-Connect®

aseptic blind flange -VS-

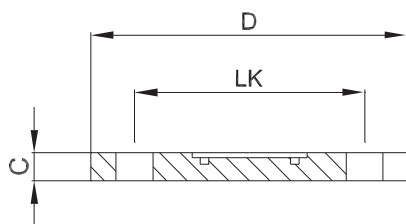


zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 25

weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	C	D	LK			MB 1.4435			
DN008	10.0 x 1.0	10.0	60.0	40.0			700393			
DN010	12.0 x 1.0	10.0	65.0	45.0			700383			
DN010	13.0 x 1.5	10.0	65.0	45.0			709838			
DN015	19.0 x 1.5	10.0	75.0	55.0			700385			
DN020	23.0 x 1.5	12.0	80.0	60.0			700386			
DN025	29.0 x 1.5	12.0	85.0	65.0			700387			
DN032	35.0 x 1.5	12.0	95.0	75.0			700388			
DN040	41.0 x 1.5	12.0	100.0	80.0			700389			
DN050	53.0 x 1.5	14.0	110.0	90.0			700390			
DN065	70.0 x 2.0	16.0	140.0	115.0			700392			
DN080	85.0 x 2.0	16.0	150.0	125.0			700394			
DN100	104.0 x 2.0	18.0	175.0	150.0			700384			

ISO	Abmessung dimension	C	D	LK			MB 1.4435			
DN008	13.5 x 1.6	10.0	60.0	40.0			705244			
DN010	17.2 x 1.6	10.0	65.0	45.0			705245			
DN015	21.3 x 1.6	10.0	75.0	55.0			705246			
DN020	26.9 x 1.6	12.0	80.0	60.0			705247			
DN025	33.7 x 2.0	12.0	85.0	65.0			704204			
DN032	42.4 x 2.0	12.0	95.0	75.0			704609			
DN040	48.3 x 2.0	12.0	100.0	80.0			705248			
DN050	60.3 x 2.0	14.0	110.0	90.0			705249			
DN065	76.1 x 2.0	16.0	140.0	115.0			705250			
DN080	88.9 x 2.3	16.0	150.0	125.0			705251			
DN100	114.3 x 2.3	18.0	175.0	150.0			705252			



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 25

DIN	Abmessung dimension	C	D	LK			MB 1.4435			
DN008	10.0 x 1.0	10.0	60.0	40.0			700381			
DN010	12.0 x 1.0	10.0	65.0	45.0			700371			
DN010	13.0 x 1.5	10.0	65.0	45.0			709839			
DN015	19.0 x 1.5	10.0	75.0	55.0			700373			
DN020	23.0 x 1.5	12.0	80.0	60.0			700374			
DN025	29.0 x 1.5	12.0	85.0	65.0			700375			
DN032	35.0 x 1.5	12.0	95.0	75.0			700376			
DN040	41.0 x 1.5	12.0	100.0	80.0			700377			
DN050	53.0 x 1.5	14.0	110.0	90.0			700378			
DN065	70.0 x 2.0	16.0	140.0	115.0			700380			
DN080	85.0 x 2.0	16.0	150.0	125.0			700382			
DN100	104.0 x 2.0	18.0	175.0	150.0			700372			

ISO	Abmessung dimension	C	D	LK			MB 1.4435			
DN008	13.5 x 1.6	10.0	60.0	40.0			703464			
DN010	17.2 x 1.6	10.0	65.0	45.0			703465			
DN015	21.3 x 1.6	10.0	75.0	55.0			703466			
DN020	26.9 x 1.6	12.0	80.0	60.0			703467			
DN025	33.7 x 2.0	12.0	85.0	65.0			702564			
DN032	42.4 x 2.0	12.0	95.0	75.0			703468			
DN040	48.3 x 2.0	12.0	100.0	80.0			703469			
DN050	60.3 x 2.0	14.0	110.0	90.0			703470			
DN065	76.1 x 2.0	16.0	140.0	115.0			703471			
DN080	88.9 x 2.3	16.0	150.0	125.0			703472			
DN100	114.3 x 2.3	18.0	175.0	150.0			702563			

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 D Flansch-Außendurchmesser
 LK Lochkreis

Abmessungen

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative Verweisungen,**Anforderungen / Abnahmen (Vormaterial)**

- DIN 11864
 BN2 (gültig für Bauteile in 1.4435)
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (Rohlinge)
 EN 10254 (Rohlinge)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (Rohlinge)
 AD 2000-W2

Kennzeichnung

- Hersteller, Werkstoff, Abmessung, Schmelze,
 DIN 11864

Toleranzen (Bezugsnorm)

- DIN 11864 / ISO 2768-1

Verpackung

- Schweißenden mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

- 1.4435 / 1.4404 (mediumberührt)
 1.4301/07 (nicht mediumberührt)
 EPDM (Standard)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB")**

- innen: feinstgedreht, $R_a < 0.8 \mu\text{m}$
 außen: feingedreht, $R_a < 1.6 \mu\text{m}$

Key

- external diameter
 internal diameter
 total length
 outer flange diameter
 bolt circle

Dimensions

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative References,**Requirements / Approvals (raw material)**

- DIN 11864
 BN2 (valid for components in 1.4435)
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (forgings)
 EN 10254 (forgings)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (forgings)
 AD 2000-W2

Marking

- manufacturer, material, dimension, heat,
 DIN 11864

Tolerances (reference standard)

- DIN 11864 / ISO 2768-1

Packaging

- Welding ends covered with plastic caps,
 wrapped separately.

Materials

- 316L (at medium contact surface)
 304 (not at medium contact surface)
 EPDM (standard)

further materials on request**Surface condition ("MB")**

- inside: ultra-fine turned, $R_a < 0.8 \mu\text{m}$
 outside: refined turned, $R_a < 1.6 \mu\text{m}$

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
$R_a < 0.6 \mu\text{m}$ (STERI-line®)	999279
$R_a < 0.5 \mu\text{m}$ (STERI-line®)	999280
$R_a < 0.4 \mu\text{m}$ (HQ-line®)	999281
$R_a < 0.25 \mu\text{m}$ (HQ-line®)	999283

Bestellbeispiel | ordering example

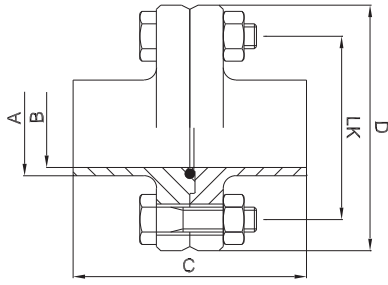
Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Steril-Flanschverbindung DN025 ISO (1.4435, EPDM) aseptic flange connection DIN 11864-2-A	707520
e-polier e-polished	
$R_a < 0.25 \mu\text{m}$	+ 999283



Zubehör ab Seite 75 | accessories from page 75 on



2.4.1 S Steril-Flanschverbindung DIN 11864-2-A



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D	LK	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010	13.0 x 1.5	13.0	10.0	80.0	54.0	37.0	703321	710102	705253	710121
DN015	19.0 x 1.5	19.0	16.0	80.0	59.0	42.0	703323	710103	705084	710122
DN020	23.0 x 1.5	23.0	20.0	80.0	64.0	47.0	703324	710104	705255	710123
DN025	29.0 x 1.5	29.0	26.0	80.0	70.0	53.0	703325	710105	703140	710124
DN032	35.0 x 1.5	35.0	32.0	90.0	76.0	59.0	703326	710106	705256	710125
DN040	41.0 x 1.5	41.0	38.0	90.0	82.0	65.0	703327	710107	703141	710126
DN050	53.0 x 1.5	53.0	50.0	90.0	94.0	77.0	703328	709069	704619	710127
DN065	70.0 x 2.0	70.0	66.0	108.0	113.0	95.0	703329	710108	705257	710128
DN080	85.0 x 2.0	85.0	81.0	116.0	133.0	112.0	703330	710109	704549	710129
DN100	104.0 x 2.0	104.0	100.0	116.0	159.0	137.0	703331	710110	705258	710130
DN125	129.0 x 2.0	129.0	125.0	120.0	183.0	161.0	703332	710111	704603	710131
DN150	154.0 x 2.0	154.0	150.0	120.0	213.0	188.0	703333	710112	704604	710132
DN200*	204.0 x 2.0	204.0	200.0	118.5	340.0	295.0	710099	710113	710116	710133
DN250*	254.0 x 2.0	254.0	250.0	134.5	405.0	355.0	710100	710114	710117	710134
DN300*	304.0 x 2.0	304.0	300.0	150.5	460.0	410.0	710101	710115	710118	710135

ISO	Abmessung dimension	A	B	C	D	LK	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	13.5	10.3	80.0	54.0	37.0	703886	707516	707346	707527
DN010	17.2 x 1.6	17.2	14.0	80.0	59.0	42.0	704098	707517	707348	707528
DN015	21.3 x 1.6	21.3	18.1	80.0	62.0	45.0	703334	707518	705259	707529
DN020	26.9 x 1.6	26.9	23.7	80.0	69.0	52.0	703335	707519	705260	707530
DN025	33.7 x 2.0	33.7	29.7	90.0	74.0	57.0	703336	707520	705261	707531
DN032	42.4 x 2.0	42.4	38.4	90.0	82.0	65.0	703337	707521	705262	707532
DN040	48.3 x 2.0	48.3	44.3	90.0	88.0	71.0	703338	707522	705263	707533
DN050	60.3 x 2.0	60.3	56.3	108.0	103.0	85.0	703339	707523	705264	707534
DN065	76.1 x 2.0	76.1	72.1	112.0	125.0	104.0	703340	707524	705265	707535
DN080	88.9 x 2.3	88.9	84.3	120.0	137.0	116.0	703341	707525	705266	707536
DN100	114.3 x 2.3	114.3	109.7	120.0	168.0	146.0	703342	707526	705267	707537
DN125*	139.7 x 2.6	139.7	134.5	104.5	250.0	210.0	708810	710143	710148	710152
DN150*	168.3 x 2.6	168.3	163.1	104.5	285.0	240.0	710139	710144	709149	710153
DN200*	219.1 x 2.6	219.1	213.9	118.5	340.0	295.0	710140	710145	710149	710154
DN250*	273.0 x 3.0	273.0	267.0	132.5	405.0	355.0	710141	710146	710150	710155
DN300*	323.9 x 3.0	323.9	317.9	148.5	460.0	410.0	710142	710147	710151	710156

ASME BPE	Abmessung dimension	A	B	C	D	LK	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN 1/2"	12.7 x 1.65	12.7	9.4	80.0	54.0	37.0	704637	710157	709774	710165
DN 3/4"	19.05 x 1.65	19.05	15.75	80.0	59.0	42.0	704636	710158	709775	710166
DN 1"	25.4 x 1.65	25.4	22.1	80.0	66.0	49.0	703343	710159	705268	710167
DN 1 1/2"	38.1 x 1.65	38.1	34.8	90.0	79.0	62.0	703344	710160	705269	710168
DN 2"	50.8 x 1.65	50.8	47.5	90.0	92.0	75.0	703345	710161	705270	710169
DN 2 1/2"	63.5 x 1.65	63.5	60.2	108.0	107.0	89.0	703346	710162	705271	710170
DN 3"	76.2 x 1.65	76.2	72.9	112.0	125.0	104.0	703347	710163	705272	710171
DN 4"	101.6 x 2.11	101.6	97.38	116.0	157.0	135.0	703348	710164	705273	710172

*) nicht in der DIN-Norm enthalten | non-standard

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 D Flansch-Außendurchmesser
 LK Lochkreis

Abmessungen

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative Verweisungen,**Anforderungen / Abnahmen (Vormaterial)**

- DIN 11853
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (Rohlinge)
 EN 10254 (Rohlinge)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (Rohlinge)
 AD 2000-W2

Kennzeichnung

- Hersteller, Werkstoff, Abmessung, Schmelze,
 DIN 11853

Toleranzen (Bezugsnorm)

- DIN 11853 / ISO 2768-1

Verpackung

- Schweißenden mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

- 1.4404 (mediumberührt)
 1.4301/07 (nicht mediumberührt)
 EPDM (Standard)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB")**

- innen: feinstgedreht, Ra < 0.8 µm
 außen: feingedreht, Ra < 1.6 µm

Key

- external diameter
 internal diameter
 total length
 outer flange diameter
 bolt circle

Dimensions

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative References,**Requirements / Approvals (raw material)**

- DIN 11853
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (forgings)
 EN 10254 (forgings)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (forgings)
 AD 2000-W2

Marking

- manufacturer, material, dimension, heat,
 DIN 11853

Tolerances (reference standard)

- DIN 11853 / ISO 2768-1

Packaging

- Welding ends covered with plastic caps,
 wrapped separately.

Materials

- 316L (at medium contact surface)
 304 (not at medium contact surface)
 EPDM (standard)

further materials on request**Surface condition ("MB")**

- inside: ultra-fine turned, Ra < 0.8 µm
 outside: refined turned, Ra < 1.6 µm

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

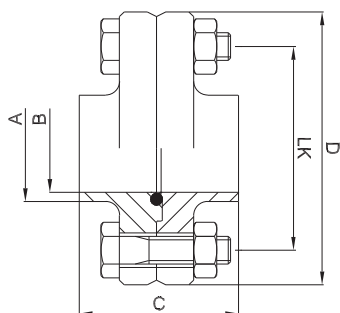
Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Hygiene-Flanschverbindung DN025 ISO DIN 11853-2 hygienic flange connection (1.4404, EPDM)	706190
e-poliert e-polished	+ 999277
Ra < 0.25 µm	+ 999283



Zubehör ab Seite 75 | accessories from page 75 on



2.4.1 H Hygiene-Flanschverbindung DIN 11853-2



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D	LK	MB 1.4404			
DN010	13.0 x 1.5	13.0	10.0	48.0	54.0	37.0	706177			
DN015	19.0 x 1.5	19.0	16.0	48.0	59.0	42.0	705254			
DN020	23.0 x 1.5	23.0	20.0	48.0	64.0	47.0	706178			
DN025	29.0 x 1.5	29.0	26.0	48.0	70.0	53.0	706179			
DN032	35.0 x 1.5	35.0	32.0	48.0	76.0	59.0	706180			
DN040	41.0 x 1.5	41.0	38.0	48.0	82.0	65.0	706181			
DN050	53.0 x 1.5	53.0	50.0	48.0	94.0	77.0	706182			
DN065	70.0 x 2.0	70.0	66.0	48.0	113.0	95.0	706183			
DN080	85.0 x 2.0	85.0	81.0	52.0	133.0	112.0	706184			
DN100	104.0 x 2.0	104.0	100.0	52.0	159.0	137.0	706185			
DN125	129.0 x 2.0	129.0	125.0	56.0	183.0	161.0	706186			
DN150	154.0 x 2.0	154.0	150.0	56.0	213.0	188.0	706187			

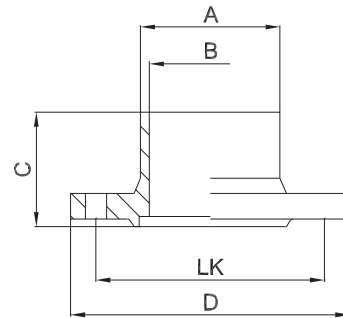
ISO	Abmessung dimension	A	B	C	D	LK	MB 1.4404			
DN008	13.5 x 1.6	13.5	10.3	48.0	54.0	37.0	707347			
DN010	17.2 x 1.6	17.2	14.0	48.0	59.0	42.0	707349			
DN015	21.3 x 1.6	21.3	18.1	48.0	62.0	45.0	706188			
DN020	26.9 x 1.6	26.9	23.7	48.0	69.0	52.0	706189			
DN025	33.7 x 2.0	33.7	29.7	48.0	74.0	57.0	706190			
DN032	42.4 x 2.0	42.4	38.4	48.0	82.0	65.0	705079			
DN040	48.3 x 2.0	48.3	44.3	48.0	88.0	71.0	706191			
DN050	60.3 x 2.0	60.3	56.3	48.0	103.0	85.0	705636			
DN065	76.1 x 2.0	76.1	72.1	48.0	125.0	104.0	706192			
DN080	88.9 x 2.3	88.9	84.3	52.0	137.0	116.0	706193			
DN100	114.3 x 2.3	114.3	109.7	52.0	168.0	146.0	706194			

ASME BPE	Abmessung dimension	A	B	C	D	LK	MB 1.4404			
DN 1/2"	12.7 x 1.65	12.7	9.4	48.0	54.0	37.0	709848			
DN 3/4"	19.05 x 1.65	19.05	15.75	48.0	59.0	42.0	709849			
DN 1"	25.4 x 1.65	25.4	22.1	48.0	66.0	49.0	706195			
DN 1 1/2"	38.1 x 1.65	38.1	34.8	48.0	79.0	62.0	706196			
DN 2"	50.8 x 1.65	50.8	47.5	48.0	92.0	75.0	706197			
DN 2 1/2"	63.5 x 1.65	63.5	60.2	48.0	107.0	89.0	706198			
DN 3"	76.2 x 1.65	76.2	72.9	48.0	125.0	104.0	706199			
DN 4"	101.6 x 2.11	101.6	97.38	52.0	157.0	135.0	706200			



2.4.2 S Steril-Nutflansch DIN 11864-2-A

aseptic flange with groove



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 31

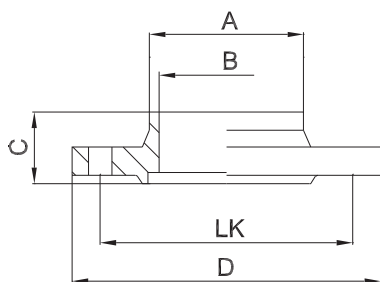
weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D	LK	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010	13.0 x 1.5	13.0	10.0	41.5	54.0	37.0	703376	709601	704948	708847
DN015	19.0 x 1.5	19.0	16.0	41.5	59.0	42.0	703377	709602	705085	708848
DN020	23.0 x 1.5	23.0	20.0	41.5	64.0	47.0	703378	709603	705291	708849
DN025	29.0 x 1.5	29.0	26.0	41.5	70.0	53.0	703379	709604	705033	708850
DN032	35.0 x 1.5	35.0	32.0	46.5	76.0	59.0	703380	709605	705292	708851
DN040	41.0 x 1.5	41.0	38.0	46.5	82.0	65.0	703381	709606	705293	708852
DN050	53.0 x 1.5	53.0	50.0	46.5	94.0	77.0	703382	709607	705058	708853
DN065	70.0 x 2.0	70.0	66.0	55.5	113.0	95.0	703383	709608	705294	708854
DN080	85.0 x 2.0	85.0	81.0	59.5	133.0	112.0	703384	709609	703960	708855
DN100	104.0 x 2.0	104.0	100.0	59.5	159.0	137.0	703385	709610	703584	708856
DN125	129.0 x 2.0	129.0	125.0	61.5	183.0	161.0	703386	710176	705627	710181
DN150	154.0 x 2.0	154.0	150.0	61.5	213.0	188.0	706201	710177	703387	710182
DN200*	204.0 x 2.0	204.0	200.0	60.0	340.0	295.0	710173	710178	707942	710183
DN250*	254.0 x 2.0	254.0	250.0	68.0	405.0	355.0	710174	710179	707943	710184
DN300*	304.0 x 2.0	254.0	250.0	76.0	460.0	410.0	710175	710180	707944	710185

ISO	Abmessung dimension	A	B	C	D	LK	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	13.5	10.3	41.5	54.0	37.0	704297	707483	707334	707494
DN010	17.2 x 1.6	17.2	14.0	41.5	59.0	42.0	704662	707484	707335	707495
DN015	21.3 x 1.6	21.3	18.1	41.5	62.0	45.0	703388	707485	705301	707496
DN020	26.9 x 1.6	26.9	23.7	41.5	69.0	52.0	703389	707486	704976	707497
DN025	33.7 x 2.0	33.7	29.7	46.5	74.0	57.0	703390	707487	705302	707498
DN032	42.4 x 2.0	42.4	38.4	46.5	82.0	65.0	703391	707488	705303	707499
DN040	48.3 x 2.0	48.3	44.3	46.5	88.0	71.0	703392	707489	704947	707500
DN050	60.3 x 2.0	60.3	56.3	55.5	103.0	85.0	703393	707490	705304	707501
DN065	76.1 x 2.0	76.1	72.1	57.5	125.0	104.0	703394	707491	705305	707502
DN080	88.9 x 2.3	88.9	84.3	59.5	137.0	116.0	703395	707492	705306	707503
DN100	114.3 x 2.3	114.3	109.7	59.5	168.0	146.0	703396	707493	705307	707504
DN125*	139.7 x 2.6	139.7	134.5	53.0	250.0	210.0	708799	710189	707941	710194
DN150*	168.3 x 2.6	168.3	163.1	53.0	285.0	240.0	709029	710190	706735	710195
DN200*	219.1 x 2.6	219.1	213.9	60.0	340.0	295.0	710186	710191	706736	710196
DN250*	273.0 x 3.0	273.0	267.0	68.0	405.0	355.0	710187	710192	707945	710197
DN300*	323.9 x 3.0	323.9	317.9	76.0	460.0	410.0	710188	710193	707946	710198

ASME BPE	Abmessung dimension	A	B	C	D	LK	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN 1/2"	12.7 x 1.65	12.7	9.4	41.5	54.0	37.0	704663	710199	709770	710207
DN 3/4"	19.05 x 1.65	19.05	15.75	41.5	59.0	42.0	704664	710200	709771	710208
DN 1"	25.4 x 1.65	25.4	22.1	41.5	66.0	49.0	703397	710201	705295	708857
DN 1 1/2"	38.1 x 1.65	38.1	34.8	46.5	79.0	62.0	703398	710202	705296	708858
DN 2"	50.8 x 1.65	50.8	47.5	46.5	92.0	75.0	703400	710203	705297	708859
DN 2 1/2"	63.5 x 1.65	63.5	60.2	55.5	107.0	89.0	703399	710204	705298	710209
DN 3"	76.2 x 1.65	76.2	72.9	57.5	125.0	104.0	703401	710205	705299	710210
DN 4"	101.6 x 2.11	101.6	97.38	59.5	157.0	135.0	703402	710206	705300	710211

*) nicht in der DIN-Norm enthalten | non-standard



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 33

DIN	Abmessung dimension	A	B	C	D	LK	MB 1.4404			
DN010	13.0 x 1.5	13.0	10.0	25.5	54.0	37.0	706202			
DN015	19.0 x 1.5	19.0	16.0	25.5	59.0	42.0	706203			
DN020	23.0 x 1.5	23.0	20.0	25.5	64.0	47.0	706204			
DN025	29.0 x 1.5	29.0	26.0	25.5	70.0	53.0	705658			
DN032	35.0 x 1.5	35.0	32.0	25.5	76.0	59.0	706205			
DN040	41.0 x 1.5	41.0	38.0	25.5	82.0	65.0	706206			
DN050	53.0 x 1.5	53.0	50.0	25.5	94.0	77.0	704494			
DN065	70.0 x 2.0	70.0	66.0	25.5	113.0	95.0	705035			
DN080	85.0 x 2.0	85.0	81.0	27.5	133.0	112.0	705677			
DN100	104.0 x 2.0	104.0	100.0	27.5	159.0	137.0	706207			
DN125	129.0 x 2.0	129.0	125.0	29.5	183.0	161.0	706208			
DN150	154.0 x 2.0	154.0	150.0	29.5	213.0	188.0	706209			

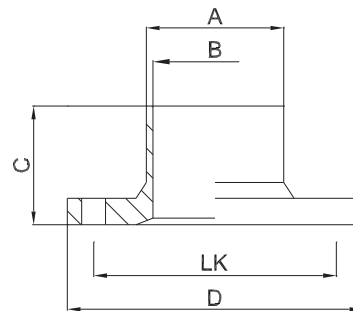
ISO	Abmessung dimension	A	B	C	D	LK	MB 1.4404			
DN008	13.5 x 1.6	13.5	10.3	25.5	54.0	37.0	707336			
DN010	17.2 x 1.6	17.2	14.0	25.5	59.0	42.0	707337			
DN015	21.3 x 1.6	21.3	18.1	25.5	62.0	45.0	706210			
DN020	26.9 x 1.6	26.9	23.7	25.5	69.0	52.0	706211			
DN025	33.7 x 2.0	33.7	29.7	25.5	74.0	57.0	706212			
DN032	42.4 x 2.0	42.4	38.4	25.5	82.0	65.0	706213			
DN040	48.3 x 2.0	48.3	44.3	25.5	88.0	71.0	706214			
DN050	60.3 x 2.0	60.3	56.3	25.5	103.0	85.0	706215			
DN065	76.1 x 2.0	76.1	72.1	25.5	125.0	104.0	706216			
DN080	88.9 x 2.3	88.9	84.3	27.5	137.0	116.0	706217			
DN100	114.3 x 2.3	114.3	109.7	27.5	168.0	146.0	706218			

ASME BPE	Abmessung dimension	A	B	C	D	LK	MB 1.4404			
DN 1/2"	12.7 x 1.65	12.7	9.4	25.5	54.0	37.0	709850			
DN 3/4"	19.05 x 1.65	19.05	15.75	25.5	59.0	42.0	709851			
DN 1"	25.4 x 1.65	25.4	22.1	25.5	66.0	49.0	706219			
DN 1 1/2"	38.1 x 1.65	38.1	34.8	25.5	79.0	62.0	706220			
DN 2"	50.8 x 1.65	50.8	47.5	25.5	92.0	75.0	706221			
DN 2 1/2"	63.5 x 1.65	63.5	60.2	25.5	107.0	89.0	706222			
DN 3"	76.2 x 1.65	76.2	72.9	25.5	125.0	104.0	706223			
DN 4"	101.6 x 2.11	101.6	97.38	27.5	157.0	135.0	706224			



2.4.3 S Steril-Bundflansch DIN 11864-2-A

aseptic flange with collar



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 31

weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D	LK	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010	13.0 x 1.5	13.0	10.0	40.0	54.0	37.0	703349	709611	704946	708834
DN015	19.0 x 1.5	19.0	16.0	40.0	59.0	42.0	703350	709612	705309	708835
DN020	23.0 x 1.5	23.0	20.0	40.0	64.0	47.0	703351	709613	705310	708836
DN025	29.0 x 1.5	29.0	26.0	40.0	70.0	53.0	703352	709614	705032	708837
DN032	35.0 x 1.5	35.0	32.0	45.0	76.0	59.0	703353	709615	705311	708838
DN040	41.0 x 1.5	41.0	38.0	45.0	82.0	65.0	703354	709616	704581	708839
DN050	53.0 x 1.5	53.0	50.0	45.0	94.0	77.0	703355	709617	705057	708840
DN065	70.0 x 2.0	70.0	66.0	54.0	113.0	95.0	703356	709618	705312	708841
DN080	85.0 x 2.0	85.0	81.0	58.0	133.0	112.0	703357	709619	704580	708842
DN100	104.0 x 2.0	104.0	100.0	58.0	159.0	137.0	703358	709620	705313	708843
DN125	129.0 x 2.0	129.0	125.0	60.0	183.0	161.0	703359	710215	705628	710220
DN150	154.0 x 2.0	154.0	150.0	60.0	213.0	188.0	703360	710216	706225	710221
DN200*	204.0 x 2.0	204.0	200.0	60.0	340.0	295.0	710212	710217	707936	710222
DN250*	254.0 x 2.0	254.0	250.0	68.0	405.0	355.0	710213	710218	707937	710223
DN300*	304.0 x 2.0	254.0	250.0	76.0	460.0	410.0	710214	710219	707938	710224

ISO	Abmessung dimension	A	B	C	D	LK	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	13.5	10.3	40.0	54.0	37.0	704298	707450	707338	707461
DN010	17.2 x 1.6	17.2	14.0	40.0	59.0	42.0	704659	707451	707339	707462
DN015	21.3 x 1.6	21.3	18.1	40.0	62.0	45.0	703361	707452	705314	707463
DN020	26.9 x 1.6	26.9	23.7	40.0	69.0	52.0	703362	707453	704977	707464
DN025	33.7 x 2.0	33.7	29.7	45.0	74.0	57.0	703363	707454	705315	707465
DN032	42.4 x 2.0	42.4	38.4	45.0	82.0	65.0	703364	707455	705316	707466
DN040	48.3 x 2.0	48.3	44.3	45.0	88.0	71.0	703365	707456	705317	707467
DN050	60.3 x 2.0	60.3	56.3	54.0	103.0	85.0	703366	707457	705318	707468
DN065	76.1 x 2.0	76.1	72.1	56.0	125.0	104.0	703367	707458	705319	707469
DN080	88.9 x 2.3	88.9	84.3	58.0	137.0	116.0	703368	707459	705320	707470
DN100	114.3 x 2.3	114.3	109.7	58.0	168.0	146.0	703369	707460	705321	707471
DN125*	139.7 x 2.6	139.7	134.5	53.0	250.0	210.0	708800	710228	707935	710233
DN150*	168.3 x 2.6	168.3	163.1	53.0	285.0	240.0	709106	710229	706733	710234
DN200*	219.1 x 2.6	219.1	213.9	60.0	340.0	295.0	710225	710230	706734	710235
DN250*	273.0 x 3.0	273.0	267.0	68.0	405.0	355.0	710226	710231	707939	710236
DN300*	323.9 x 3.0	323.9	317.9	76.0	460.0	410.0	710227	710232	707940	710237

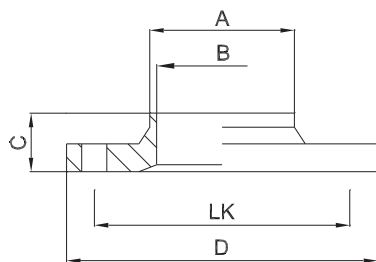
ASME BPE	Abmessung dimension	A	B	C	D	LK	MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN 1/2"	12.7 x 1.65	12.7	9.4	40.0	54.0	37.0	704661	710238	709772	710246
DN 3/4"	19.05 x 1.65	19.05	15.75	40.0	59.0	42.0	704660	710239	709773	710247
DN 1"	25.4 x 1.65	25.4	22.1	40.0	66.0	49.0	703370	710240	705322	708844
DN 1 1/2"	38.1 x 1.65	38.1	34.8	45.0	79.0	62.0	703371	710241	705323	708845
DN 2"	50.8 x 1.65	50.8	47.5	45.0	92.0	75.0	703372	710242	705324	708846
DN 2 1/2"	63.5 x 1.65	63.5	60.2	54.0	107.0	89.0	703373	710243	705325	710248
DN 3"	76.2 x 1.65	76.2	72.9	56.0	125.0	104.0	703374	710244	705326	710249
DN 4"	101.6 x 2.11	101.6	97.38	58.0	157.0	135.0	703375	710245	705327	710250

*) nicht in der DIN-Norm enthalten | non-standard



2.4.3 H Hygiene-Bundflansch DIN 11853-2

hygienic flange with collar



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 33

DIN	Abmessung dimension	A	B	C	D	LK	MB 1.4404			
DN010	13.0 x 1.5	13.0	10.0	24.0	54.0	37.0	706226			
DN015	19.0 x 1.5	19.0	16.0	24.0	59.0	42.0	706227			
DN020	23.0 x 1.5	23.0	20.0	24.0	64.0	47.0	706228			
DN025	29.0 x 1.5	29.0	26.0	24.0	70.0	53.0	705659			
DN032	35.0 x 1.5	35.0	32.0	24.0	76.0	59.0	706229			
DN040	41.0 x 1.5	41.0	38.0	24.0	82.0	65.0	706230			
DN050	53.0 x 1.5	53.0	50.0	24.0	94.0	77.0	706231			
DN065	70.0 x 2.0	70.0	66.0	24.0	113.0	95.0	706232			
DN080	85.0 x 2.0	85.0	81.0	26.0	133.0	112.0	706233			
DN100	104.0 x 2.0	104.0	100.0	26.0	159.0	137.0	706234			
DN125	129.0 x 2.0	129.0	125.0	28.0	183.0	161.0	706235			
DN150	154.0 x 2.0	154.0	150.0	28.0	213.0	188.0	706236			

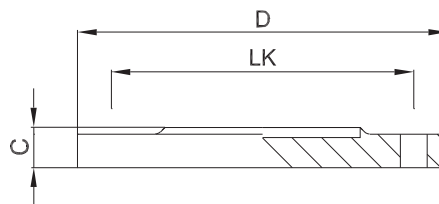
ISO	Abmessung dimension	A	B	C	D	LK	MB 1.4404			
DN008	13.5 x 1.6	13.5	10.3	24.0	54.0	37.0	707340			
DN010	17.2 x 1.6	17.2	14.0	24.0	59.0	42.0	707341			
DN015	21.3 x 1.6	21.3	18.1	24.0	62.0	45.0	706237			
DN020	26.9 x 1.6	26.9	23.7	24.0	69.0	52.0	706238			
DN025	33.7 x 2.0	33.7	29.7	24.0	74.0	57.0	706239			
DN032	42.4 x 2.0	42.4	38.4	24.0	82.0	65.0	706240			
DN040	48.3 x 2.0	48.3	44.3	24.0	88.0	71.0	706241			
DN050	60.3 x 2.0	60.3	56.3	24.0	103.0	85.0	706242			
DN065	76.1 x 2.0	76.1	72.1	24.0	125.0	104.0	706243			
DN080	88.9 x 2.3	88.9	84.3	26.0	137.0	116.0	706244			
DN100	114.3 x 2.3	114.3	109.7	26.0	168.0	146.0	706245			

ASME BPE	Abmessung dimension	A	B	C	D	LK	MB 1.4404			
DN 1/2"	12.7 x 1.65	12.7	9.4	24.0	54.0	37.0	709852			
DN 3/4"	19.05 x 1.65	19.05	15.75	24.0	59.0	42.0	709853			
DN 1"	25.4 x 1.65	25.4	22.1	24.0	66.0	49.0	706246			
DN 1 1/2"	38.1 x 1.65	38.1	34.8	24.0	79.0	62.0	706247			
DN 2"	50.8 x 1.65	50.8	47.5	24.0	92.0	75.0	706248			
DN 2 1/2"	63.5 x 1.65	63.5	60.2	24.0	107.0	89.0	706249			
DN 3"	76.2 x 1.65	76.2	72.9	24.0	125.0	104.0	706250			
DN 4"	101.6 x 2.11	101.6	97.38	26.0	157.0	135.0	706251			



2.4.4 Blindnutflansch DIN 11864-2-A/DIN 11853-2

blind flange with groove



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 31

weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	C	D	LK			MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010	13.0 x 1.5	11.5	54.0	37.0			703423	709651	705426	709626
DN015	19.0 x 1.5	11.5	59.0	42.0			703424	709652	705427	709627
DN020	23.0 x 1.5	11.5	64.0	47.0			703425	709653	705428	709628
DN025	29.0 x 1.5	11.5	70.0	53.0			703426	709654	705429	709629
DN032	35.0 x 1.5	11.5	76.0	59.0			703427	709655	705430	709630
DN040	41.0 x 1.5	11.5	82.0	65.0			703428	709656	704927	709631
DN050	53.0 x 1.5	11.5	94.0	77.0			703429	709657	704928	709632
DN065	70.0 x 2.0	11.5	113.0	95.0			703430	709658	705431	709633
DN080	85.0 x 2.0	13.5	133.0	112.0			703431	709659	705432	709634
DN100	104.0 x 2.0	15.5	159.0	137.0			703432	709660	705433	709635
DN125	129.0 x 2.0	15.5	183.0	161.0			706268	709661	705434	709636
DN150	154.0 x 2.0	17.5	213.0	188.0			706269	709662	705435	709637
DN200*	204.0 x 2.0	25.0	340.0	295.0			**	**	**	**
DN250*	254.0 x 2.0	25.0	405.0	355.0			**	**	**	**
DN300*	304.0 x 2.0	28.0	460.0	410.0			**	**	**	**

ISO	Abmessung dimension	C	D	LK			MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	11.5	54.0	37.0			704697	709380	709786	709790
DN010	17.2 x 1.6	11.5	59.0	42.0			704696	709381	709787	709791
DN015	21.3 x 1.6	11.5	62.0	45.0			704695	709382	705436	709400
DN020	26.9 x 1.6	11.5	69.0	52.0			704694	709383	705437	709401
DN025	33.7 x 2.0	11.5	74.0	57.0			704693	709384	705438	709402
DN032	42.4 x 2.0	11.5	82.0	65.0			704692	709385	705439	709403
DN040	48.3 x 2.0	11.5	88.0	71.0			704691	709386	705440	709404
DN050	60.3 x 2.0	11.5	103.0	85.0			704497	709387	705441	709405
DN065	76.1 x 2.0	13.5	125.0	104.0			704498	709388	705442	709406
DN080	88.9 x 2.3	13.5	137.0	116.0			704499	709389	705443	709407
DN100	114.3 x 2.3	15.5	168.0	146.0			704698	709390	705444	709408
DN125*	139.7 x 2.6	23.0	250.0	210.0			**	**	**	**
DN150*	168.3 x 2.6	23.0	285.0	240.0			**	**	**	**
DN200*	219.1 x 2.6	25.0	340.0	295.0			**	**	**	**
DN250*	273.0 x 3.0	25.0	405.0	355.0			**	**	**	**
DN300*	323.9 x 3.0	28.0	460.0	410.0			**	**	**	**

ASME BPE	Abmessung dimension	C	D	LK			MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN 1/2"	12.7 x 1.65	11.5	54.0	37.0			704684	710251	709776	710259
DN 3/4"	19.05 x 1.65	11.5	59.0	42.0			704685	710252	709777	710260
DN 1"	25.4 x 1.65	11.5	66.0	49.0			704686	710253	705447	710261
DN 1 1/2"	38.1 x 1.65	11.5	79.0	62.0			704687	710254	705448	710262
DN 2"	50.8 x 1.65	11.5	92.0	75.0			704688	710255	705449	710263
DN 2 1/2"	63.5 x 1.65	11.5	107.0	89.0			704699	710256	705450	710264
DN 3"	76.2 x 1.65	13.5	125.0	104.0			704689	710257	705451	710265
DN 4"	101.6 x 2.11	15.5	157.0	135.0			704690	710258	705452	710266

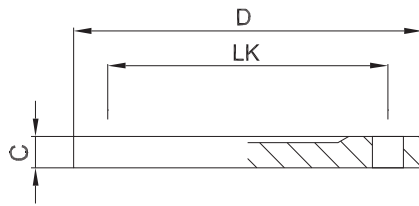
*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request



blind flange with collar

2.4.5 Blindbundflansch DIN 11864-2-A/DIN 11853-2



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 31

DIN	Abmessung dimension	C	D	LK			MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010	13.0 x 1.5	10.0	54.0	37.0			703587	709663	705399	709638
DN015	19.0 x 1.5	10.0	59.0	42.0			703588	709664	705400	709639
DN020	23.0 x 1.5	10.0	64.0	47.0			703589	709665	705401	709640
DN025	29.0 x 1.5	10.0	70.0	53.0			703590	709666	704988	709641
DN032	35.0 x 1.5	10.0	76.0	59.0			703591	709667	704989	709642
DN040	41.0 x 1.5	10.0	82.0	65.0			703592	709668	705402	709643
DN050	53.0 x 1.5	10.0	94.0	77.0			703593	709669	705403	709644
DN065	70.0 x 2.0	10.0	113.0	95.0			703594	709670	705404	709645
DN080	85.0 x 2.0	12.0	133.0	112.0			703595	709671	705405	709646
DN100	104.0 x 2.0	14.0	159.0	137.0			703596	709672	705406	709647
DN125	129.0 x 2.0	14.0	183.0	161.0			706266	709673	705407	709648
DN150	154.0 x 2.0	16.0	213.0	188.0			706267	709674	705408	709649
DN200*	204.0 x 2.0	25.0	340.0	295.0			**	**	**	**
DN250*	254.0 x 2.0	25.0	405.0	355.0			**	**	**	**
DN300*	304.0 x 2.0	28.0	460.0	410.0			**	**	**	**

ISO	Abmessung dimension	C	D	LK			MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	10.0	54.0	37.0			704665	709369	709788	709792
DN010	17.2 x 1.6	10.0	59.0	42.0			704666	709370	709789	709793
DN015	21.3 x 1.6	10.0	62.0	45.0			704667	709371	705409	709391
DN020	26.9 x 1.6	10.0	69.0	52.0			704668	709372	705410	709392
DN025	33.7 x 2.0	10.0	74.0	57.0			704669	709373	705411	709393
DN032	42.4 x 2.0	10.0	82.0	65.0			704670	709374	705412	709394
DN040	48.3 x 2.0	10.0	88.0	71.0			704671	709375	705413	709395
DN050	60.3 x 2.0	10.0	103.0	85.0			704672	709376	705414	709396
DN065	76.1 x 2.0	12.0	125.0	104.0			704673	709377	705415	709397
DN080	88.9 x 2.3	12.0	137.0	116.0			704674	709378	705416	709398
DN100	114.3 x 2.3	14.0	168.0	146.0			704675	709379	705417	709399
DN125*	139.7 x 2.6	23.0	250.0	210.0			**	**	**	**
DN150*	168.3 x 2.6	23.0	285.0	240.0			**	**	**	**
DN200*	219.1 x 2.6	25.0	340.0	295.0			**	**	**	**
DN250*	273.0 x 3.0	25.0	405.0	355.0			**	**	**	**
DN300*	323.9 x 3.0	28.0	460.0	410.0			**	**	**	**

ASME BPE	Abmessung dimension	C	D	LK			MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN 1/2"	12.7 x 1.65	10.0	54.0	37.0			704676	710267	709778	710275
DN 3/4"	19.05 x 1.65	10.0	59.0	42.0			704677	710268	709779	710276
DN 1"	25.4 x 1.65	10.0	66.0	49.0			704678	710269	705419	710277
DN 1 1/2"	38.1 x 1.65	10.0	79.0	62.0			704679	710270	705420	710278
DN 2"	50.8 x 1.65	10.0	92.0	75.0			704680	710271	705421	710279
DN 2 1/2"	63.5 x 1.65	10.0	107.0	89.0			704681	710272	705423	710280
DN 3"	76.2 x 1.65	12.0	125.0	104.0			704682	710273	705424	710281
DN 4"	101.6 x 2.11	14.0	157.0	135.0			704683	710274	705425	710282

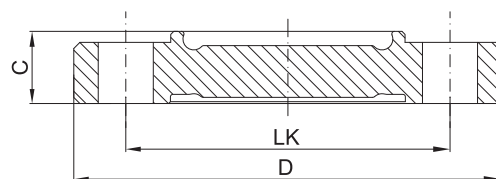
*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request



2.4.6 Flanschblende in Anlehnung an DIN 11864-2-A/DIN 11853-2

orifice flange following DIN 11864-2-A/DIN 11853-2



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 33

weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	C	D	LK			MB 1.4435			
DN010	13.0 x 1.5	11.5	54.0	37.0			707792			
DN015	19.0 x 1.5	11.5	59.0	42.0			707793			
DN020	23.0 x 1.5	11.5	64.0	47.0			707794			
DN025	29.0 x 1.5	11.5	70.0	53.0			707795			
DN032	35.0 x 1.5	11.5	76.0	59.0			707796			
DN040	41.0 x 1.5	11.5	82.0	65.0			707797			
DN050	53.0 x 1.5	11.5	94.0	77.0			707695			
DN065	70.0 x 2.0	11.5	113.0	95.0			707798			
DN080	85.0 x 2.0	13.5	133.0	112.0			707799			
DN100	104.0 x 2.0	15.5	159.0	137.0			707800			

ISO	Abmessung dimension	C	D	LK			MB 1.4435			
DN008	13.5 x 1.6	11.5	54.0	37.0			707241			
DN010	17.2 x 1.6	11.5	59.0	42.0			707242			
DN015	21.3 x 1.6	11.5	62.0	45.0			707243			
DN020	26.9 x 1.6	11.5	69.0	52.0			707244			
DN025	33.7 x 2.0	11.5	74.0	57.0			707245			
DN032	42.4 x 2.0	11.5	82.0	65.0			707246			
DN040	48.3 x 2.0	11.5	88.0	71.0			707247			
DN050	60.3 x 2.0	11.5	103.0	85.0			707248			
DN065	76.1 x 2.0	13.5	125.0	104.0			707249			
DN080	88.9 x 2.3	13.5	137.0	116.0			707250			
DN100	114.3 x 2.3	15.5	168.0	146.0			707251			

ASME BPE	Abmessung dimension	C	D	LK			MB 1.4435			
DN ½"	12.7 x 1.65	11.5	54.0	37.0			708821			
DN ¾"	19.05 x 1.65	11.5	59.0	42.0			708822			
DN 1"	25.4 x 1.65	11.5	66.0	49.0			708823			
DN 1½"	38.1 x 1.65	11.5	79.0	62.0			708824			
DN 2"	50.8 x 1.65	11.5	92.0	75.0			708825			
DN 2½"	63.5 x 1.65	11.5	107.0	89.0			708826			
DN 3"	76.2 x 1.65	13.5	125.0	104.0			708827			
DN 4"	101.6 x 2.11	15.5	157.0	135.0			708828			



Lieferung erfolgt ohne Drosselbohrung
delivered without throttling port

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 E (Clamp-) Flansch-Außendurchmesser

Abmessungen

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 auf Anfrage: DIN 11866-C (ASME BPE)

Normative Verweisungen,**Anforderungen / Abnahmen (Vormaterial)**

BN2
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (Rohlinge)
 EN 10254 (Rohlinge)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (Rohlinge)
 AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze,
 STERI-Connect®

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

1.4435 (mediumberührt)
 1.4301/08 (nicht mediumberührt)
 EPDM (Standard)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB")**

innen: feinstgedreht, Ra < 0.8 µm
 außen: feingedreht, Ra < 1.6 µm

Key

external diameter
 internal diameter
 total length
 outer (clamp) flange diameter

Dimensions

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 on request: DIN 11866-C (ASME BPE)

Normative References,**Requirements / Approvals (raw material)**

BN2
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (forgings)
 EN 10254 (forgings)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (forgings)
 AD 2000-W2

Marking

manufacturer, material, dimension, heat,
 STERI-Connect®

Tolerances (reference standard)

ISO 2768-1

Packaging

Welding ends covered with plastic caps,
 wrapped separately.

Materials

316L (at medium contact surface)
 304 (not at medium contact surface)
 EPDM (standard)

further materials on request**Surface condition ("MB")**

inside: ultra-fine turned, Ra < 0.8 µm
 outside: refined turned, Ra < 1.6 µm

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

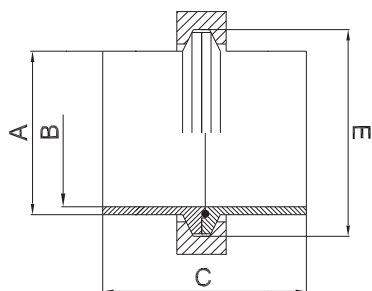
Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Steril-Clampverbindung DN025 ISO (1.4435, EPDM) aseptic clamp connection STERI-Connect®	700211
e-poliert e-polished	+ 999277
Ra < 0.6 µm	+ 999279



Zubehör ab Seite 73 | accessories from page 73 on



2.5.1 Steril-Clampverbindung STERI-Connect®



weitere Abmessungen auf Anfrage | further dimensions on request

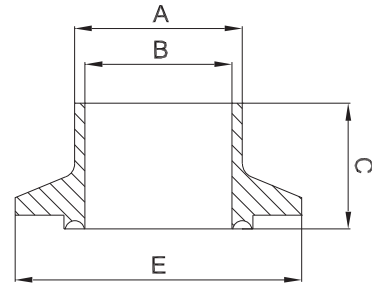
DIN	Abmessung dimension	A	B	C	E		MB 1.4435			
DN006	8.0 x 1.0	8.0	6.0	68.0	Ø 25.0		705243			
DN008	10.0 x 1.0	10.0	8.0	68.0	Ø 25.0		700218			
DN010	12.0 x 1.0	12.0	10.0	68.0	Ø 25.0		700202			
DN010	13.0 x 1.5	13.0	10.0	68.0	Ø 25.0		709785			
DN015	19.0 x 1.5	19.0	16.0	68.0	Ø 25.0		700206			
DN020	23.0 x 1.5	23.0	20.0	68.0	Ø 50.5		700208			
DN025	29.0 x 1.5	29.0	26.0	76.0	Ø 50.5		700210			
DN032	35.0 x 1.5	35.0	32.0	76.0	Ø 50.5		700212			
DN040	41.0 x 1.5	41.0	38.0	76.0	Ø 64.0		700214			
DN050	53.0 x 1.5	53.0	50.0	76.0	Ø 77.5		700216			
DN065	70.0 x 2.0	70.0	66.0	96.0	Ø 91.0		700219			
DN080	85.0 x 2.0	85.0	81.0	96.0	Ø 106.0		700222			
DN100	104.0 x 2.0	104.0	100.0	96.0	Ø 119.0		700204			

ISO	Abmessung dimension	A	B	C	E		MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	68.0	Ø 25.0		700221			
DN010	17.2 x 1.6	17.2	14.0	68.0	Ø 25.0		700203			
DN015	21.3 x 1.6	21.3	18.1	68.0	Ø 50.5		700207			
DN020	26.9 x 1.6	26.9	23.7	68.0	Ø 50.5		700209			
DN025	33.7 x 2.0	33.7	29.7	76.0	Ø 50.5		700211			
DN032	42.4 x 2.0	42.4	38.4	76.0	Ø 50.5		700213			
DN040	48.3 x 2.0	48.3	44.3	76.0	Ø 64.0		700215			
DN050	60.3 x 2.0	60.3	56.3	76.0	Ø 77.5		700217			
DN065	76.1 x 2.0	76.1	72.1	96.0	Ø 91.0		700220			
DN080	88.9 x 2.3	88.9	84.3	96.0	Ø 106.0		700223			
DN100	114.3 x 2.3	114.3	109.7	96.0	Ø 130.0		700205			



2.5.2 Steril-Clampstutzen -VS- STERl-Connect®

aseptic clamp -VS-



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 42

weitere Abmessungen auf Anfrage | further dimensions on request

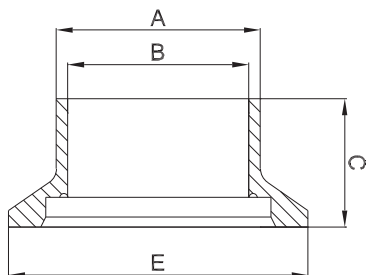
DIN	Abmessung dimension	A	B	C	E		MB 1.4435			
DN006	8.0 x 1.0	8.0	6.0	35.0	Ø 25.0		700196			
DN008	10.0 x 1.0	10.0	8.0	35.0	Ø 25.0		705241			
DN010	12.0 x 1.0	12.0	10.0	35.0	Ø 25.0		700180			
DN010	13.0 x 1.5	13.0	10.0	35.0	Ø 25.0		709768			
DN015	19.0 x 1.5	19.0	16.0	35.0	Ø 25.0		700184			
DN020	23.0 x 1.5	23.0	20.0	35.0	Ø 50.5		700186			
DN025	29.0 x 1.5	29.0	26.0	39.0	Ø 50.5		700188			
DN032	35.0 x 1.5	35.0	32.0	39.0	Ø 50.5		700190			
DN040	41.0 x 1.5	41.0	38.0	39.0	Ø 64.0		700192			
DN050	53.0 x 1.5	53.0	50.0	39.0	Ø 77.5		700194			
DN065	70.0 x 2.0	70.0	66.0	49.0	Ø 91.0		700197			
DN080	85.0 x 2.0	85.0	81.0	49.0	Ø 106.0		700200			
DN100	104.0 x 2.0	104.0	100.0	49.0	Ø 119.0		700182			

ISO	Abmessung dimension	A	B	C	E		MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	35.0	Ø 25.0		700199			
DN010	17.2 x 1.6	17.2	14.0	35.0	Ø 25.0		700181			
DN015	21.3 x 1.6	21.3	18.1	35.0	Ø 50.5		700185			
DN020	26.9 x 1.6	26.9	23.7	35.0	Ø 50.5		700187			
DN025	33.7 x 2.0	33.7	29.7	39.0	Ø 50.5		700189			
DN032	42.4 x 2.0	42.4	38.4	39.0	Ø 50.5		700191			
DN040	48.3 x 2.0	48.3	44.3	39.0	Ø 64.0		700193			
DN050	60.3 x 2.0	60.3	56.3	39.0	Ø 77.5		700195			
DN065	76.1 x 2.0	76.1	72.1	49.0	Ø 91.0		700198			
DN080	88.9 x 2.3	88.9	84.3	49.0	Ø 106.0		700201			
DN100	114.3 x 2.3	114.3	109.7	49.0	Ø 130.0		700183			



2.5.3 Steril-Clampstutzen -RS- STERI-Connect®

aseptic clamp -RS-



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 42

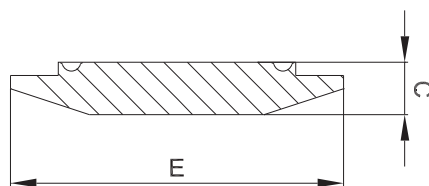
DIN	Abmessung dimension	A	B	C	E		MB 1.4435			
DN006	8.0 x 1.0	8.0	6.0	35.0	Ø 25.0		705242			
DN008	10.0 x 1.0	10.0	8.0	35.0	Ø 25.0		700174			
DN010	12.0 x 1.0	12.0	10.0	35.0	Ø 25.0		700158			
DN010	13.0 x 1.5	13.0	10.0	35.0	Ø 25.0		709768			
DN015	19.0 x 1.5	19.0	16.0	35.0	Ø 25.0		700162			
DN020	23.0 x 1.5	23.0	20.0	35.0	Ø 50.5		700164			
DN025	29.0 x 1.5	29.0	26.0	39.0	Ø 50.5		700166			
DN032	35.0 x 1.5	35.0	32.0	39.0	Ø 50.5		700168			
DN040	41.0 x 1.5	41.0	38.0	39.0	Ø 64.0		700170			
DN050	53.0 x 1.5	53.0	50.0	39.0	Ø 77.5		700172			
DN065	70.0 x 2.0	70.0	66.0	49.0	Ø 91.0		700175			
DN080	85.0 x 2.0	85.0	81.0	49.0	Ø 106.0		700178			
DN100	104.0 x 2.0	104.0	100.0	49.0	Ø 119.0		700160			

ISO	Abmessung dimension	A	B	C	E		MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	35.0	Ø 25.0		700177			
DN010	17.2 x 1.6	17.2	14.0	35.0	Ø 25.0		700159			
DN015	21.3 x 1.6	21.3	18.1	35.0	Ø 50.5		700163			
DN020	26.9 x 1.6	26.9	23.7	35.0	Ø 50.5		700165			
DN025	33.7 x 2.0	33.7	29.7	39.0	Ø 50.5		700167			
DN032	42.4 x 2.0	42.4	38.4	39.0	Ø 50.5		700169			
DN040	48.3 x 2.0	48.3	44.3	39.0	Ø 64.0		700171			
DN050	60.3 x 2.0	60.3	56.3	39.0	Ø 77.5		700173			
DN065	76.1 x 2.0	76.1	72.1	49.0	Ø 91.0		700176			
DN080	88.9 x 2.3	88.9	84.3	49.0	Ø 106.0		700179			
DN100	114.3 x 2.3	114.3	109.7	49.0	Ø 130.0		700161			



2.5.4 Steril-Blindclamps -VS- STERI-Connect®

aseptic blind clamp -VS-



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 42

weitere Abmessungen auf Anfrage | further dimensions on request

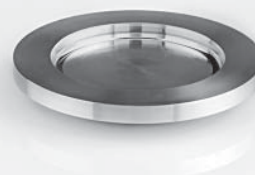
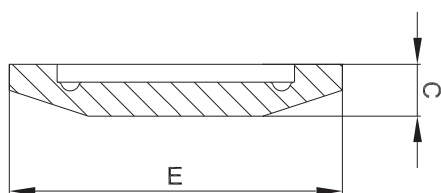
DIN	Abmessung dimension	C	E				MB 1.4435			
DN006	8.0 x 1.0	7.5	Ø 25.0				700154			
DN008	10.0 x 1.0	7.5	Ø 25.0				700156			
DN010	12.0 x 1.0	7.5	Ø 25.0				700146			
DN010	13.0 x 1.5	7.5	Ø 25.0				709840			
DN015	19.0 x 1.5	7.5	Ø 25.0				700148			
DN020	23.0 x 1.5	9.0	Ø 50.5				700149			
DN025	29.0 x 1.5	9.0	Ø 50.5				700150			
DN032	35.0 x 1.5	9.0	Ø 50.5				700151			
DN040	41.0 x 1.5	9.0	Ø 64.0				700152			
DN050	53.0 x 1.5	9.0	Ø 77.5				700153			
DN065	70.0 x 2.0	9.0	Ø 91.0				700155			
DN080	85.0 x 2.0	11.0	Ø 106.0				700157			
DN100	104.0 x 2.0	11.0	Ø 119.0				700147			

ISO	Abmessung dimension	C	E				MB 1.4435			
DN008	13.5 x 1.6	7.5	Ø 25.0				704971			
DN010	17.2 x 1.6	7.5	Ø 25.0				705281			
DN015	21.3 x 1.6	7.5	Ø 50.5				705282			
DN020	26.9 x 1.6	9.0	Ø 50.5				705283			
DN025	33.7 x 2.0	9.0	Ø 50.5				705284			
DN032	42.4 x 2.0	9.0	Ø 50.5				705285			
DN040	48.3 x 2.0	9.0	Ø 64.0				705286			
DN050	60.3 x 2.0	9.0	Ø 77.5				705287			
DN065	76.1 x 2.0	9.0	Ø 91.0				705288			
DN080	88.9 x 2.3	11.0	Ø 106.0				705289			
DN100	114.3 x 2.3	11.0	Ø 130.0				705290			



2.5.5 Steril-Blindclampsutzen -RS- STERI-Connect®

aseptic blind clamp -RS-



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 42

DIN	Abmessung dimension	C	E				MB 1.4435			
DN006	8.0 x 1.0	7.5	Ø 25.0				700142			
DN008	10.0 x 1.0	7.5	Ø 25.0				700144			
DN010	12.0 x 1.0	7.5	Ø 25.0				700134			
DN010	13.0 x 1.5	7.5	Ø 25.0				709841			
DN015	19.0 x 1.5	7.5	Ø 25.0				700136			
DN020	23.0 x 1.5	9.0	Ø 50.5				700137			
DN025	29.0 x 1.5	9.0	Ø 50.5				700138			
DN032	35.0 x 1.5	9.0	Ø 50.5				700139			
DN040	41.0 x 1.5	9.0	Ø 64.0				700140			
DN050	53.0 x 1.5	9.0	Ø 77.5				700141			
DN065	70.0 x 2.0	9.0	Ø 91.0				700143			
DN080	85.0 x 2.0	11.0	Ø 106.0				700145			
DN100	104.0 x 2.0	11.0	Ø 119.0				700135			

ISO	Abmessung dimension	C	E				MB 1.4435			
DN008	13.5 x 1.6	7.5	Ø 25.0				704972			
DN010	17.2 x 1.6	7.5	Ø 25.0				704957			
DN015	21.3 x 1.6	7.5	Ø 50.5				703066			
DN020	26.9 x 1.6	9.0	Ø 50.5				705274			
DN025	33.7 x 2.0	9.0	Ø 50.5				705275			
DN032	42.4 x 2.0	9.0	Ø 50.5				705276			
DN040	48.3 x 2.0	9.0	Ø 64.0				705277			
DN050	60.3 x 2.0	9.0	Ø 77.5				703065			
DN065	76.1 x 2.0	9.0	Ø 91.0				705278			
DN080	88.9 x 2.3	11.0	Ø 106.0				705279			
DN100	114.3 x 2.3	11.0	Ø 130.0				705280			

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 E (Clamp-) Flansch-Außendurchmesser

Abmessungen

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative Verweisungen,**Anforderungen / Abnahmen (Vormaterial)**

- DIN 11864
 BN2 (gültig für Bauteile in 1.4435)
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (Rohlinge)
 EN 10254 (Rohlinge)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (Rohlinge)
 AD 2000-W2

Kennzeichnung

- Hersteller, Werkstoff, Abmessung, Schmelze,
 DIN 11864

Toleranzen (Bezugsnorm)

- DIN 11864 / ISO 2768-1

Verpackung

- Schweißenden mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

- 1.4435 / 1.4404 (mediumberührt)
 1.4301/08 (nicht mediumberührt)
 EPDM (Standard)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB")**

- innen: feinstgedreht, Ra < 0.8 µm
 außen: feingedreht, Ra < 1.6 µm

Key

- external diameter
 internal diameter
 total length
 outer (clamp) flange diameter

Dimensions

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative References,**Requirements / Approvals (raw material)**

- DIN 11864
 BN2 (valid for components in 1.4435)
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (forgings)
 EN 10254 (forgings)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (forgings)
 AD 2000-W2

Marking

- manufacturer, material, dimension, heat,
 DIN 11864

Tolerances (reference standard)

- DIN 11864 / ISO 2768-1

Packaging

- Welding ends covered with plastic caps,
 wrapped separately.

Materials

- 316L (at medium contact surface)
 304 (not at medium contact surface)
 EPDM (standard)

further materials on request**Surface condition ("MB")**

- inside: ultra-fine turned, Ra < 0.8 µm
 outside: refined turned, Ra < 1.6 µm

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

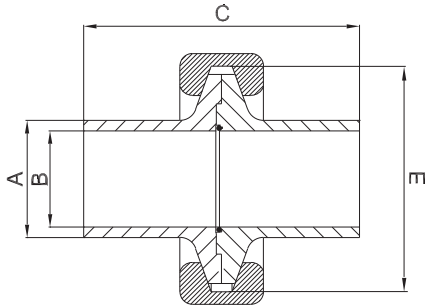
Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Steril-Clampverbindung DN025 ISO (1.4435, EPDM) aseptic clamp connection DIN 11864-3-A	707622
e-poliert e-polished	
Ra < 0.4 µm	+ 999281



Zubehör ab Seite 75 | accessories from page 75 on



2.6.1 S Steril-Clampverbindung DIN 11864-3-A



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	E		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010*	12.0 x 1.0	12.0	10.0	76.0	Ø 34.0		707227	708862	XXX	XXX
DN010	13.0 x 1.5	13.0	10.0	76.0	Ø 34.0		704824	710290	706098	710304
DN015	19.0 x 1.5	19.0	16.0	76.0	Ø 34.0		704825	710291	706099	710305
DN020	23.0 x 1.5	23.0	20.0	76.0	Ø 50.5		704826	710292	706100	710306
DN025	29.0 x 1.5	29.0	26.0	77.0	Ø 50.5		704827	710293	706101	710307
DN032	35.0 x 1.5	35.0	32.0	88.0	Ø 50.5		704828	710294	706102	710308
DN040	41.0 x 1.5	41.0	38.0	88.0	Ø 64.0		704829	710295	706103	710309
DN050	53.0 x 1.5	53.0	50.0	89.0	Ø 77.5		704830	710296	706104	710310
DN065	70.0 x 2.0	70.0	66.0	113.0	Ø 91.0		704831	710297	706105	710311
DN080	85.0 x 2.0	85.0	81.0	117.0	Ø 106.0		704832	710298	706106	710312
DN100	104.0 x 2.0	104.0	100.0	120.0	Ø 130.0		704833	710299	706107	710313
DN125*	129.0 x 2.0	129.0	125.0	120.0	Ø 155.0		710288	710300	710302	710314
DN150*	154.0 x 2.0	154.0	150.0	120.0	Ø 183.0		710289	710301	710303	710315

ISO	Abmessung dimension	A	B	C	E		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	13.5	10.3	76.0	Ø 34.0		704842	707618	706545	707629
DN010	17.2 x 1.6	17.2	14.0	76.0	Ø 34.0		704843	707619	706547	707630
DN015	21.3 x 1.6	21.3	18.1	78.0	Ø 34.0		704844	707620	706549	707631
DN020	26.9 x 1.6	26.9	23.7	78.0	Ø 50.5		704845	707621	706551	707632
DN025	33.7 x 2.0	33.7	29.7	88.0	Ø 50.5		704846	707622	706553	707633
DN032	42.4 x 2.0	42.4	38.4	88.0	Ø 64.0		704847	707623	706555	707634
DN040	48.3 x 2.0	48.3	44.3	90.0	Ø 64.0		704848	707624	706557	707635
DN050	60.3 x 2.0	60.3	56.3	114.0	Ø 91.0		704849	707625	706559	707636
DN065	76.1 x 2.0	76.1	72.1	117.0	Ø 106.0		704850	707626	706561	707637
DN080	88.9 x 2.3	88.9	84.3	122.0	Ø 119.0		704851	707627	706563	707638
DN100*	114.3 x 2.3	114.3	109.7	130.0	Ø 144.4		704852	707628	706565	707639
DN125*	139.7 x 2.6	139.7	134.5	120.0	Ø 155.0		710316	710319	710322	710325
DN150*	168.3 x 2.6	168.3	163.1	120.0	Ø 183.0		710317	710320	710323	710326
DN200*	219.1 x 2.6	219.1	213.9	120.0	Ø 233.5		710318	710321	710324	710327

ASME BPE	Abmessung dimension	A	B	C	E		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN ½"	12.7 x 1.65	12.7	9.4	76.0	Ø 34.0		704834	710328	710335	710343
DN ¾"	19.05 x 1.65	19.05	15.75	76.0	Ø 34.0		704835	709128	710336	710344
DN 1"	25.4 x 1.65	25.4	22.1	77.0	Ø 50.5		704836	710329	710337	710345
DN 1½"	38.1 x 1.65	38.1	34.8	88.0	Ø 64.0		704837	710330	710338	710346
DN 2"	50.8 x 1.65	50.8	47.5	89.0	Ø 77.5		704838	710331	710339	710347
DN 2½"	63.5 x 1.65	63.5	60.2	115.0	Ø 91.0		704839	710332	710340	710348
DN 3"	76.2 x 1.65	76.2	72.9	117.0	Ø 106.0		704840	710333	710341	710349
DN 4"	101.6 x 2.11	101.6	97.38	119.0	Ø 130.0		704841	710334	710342	710350

*) nicht in der DIN-Norm enthalten | non-standard

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 E (Clamp-) Flansch-Außendurchmesser

Abmessungen

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative Verweisungen,**Anforderungen / Abnahmen (Vormaterial)**

- DIN 11853
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (Rohlinge)
 EN 10254 (Rohlinge)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (Rohlinge)
 AD 2000-W2

Kennzeichnung

- Hersteller, Werkstoff, Abmessung, Schmelze,
 DIN 11853

Toleranzen (Bezugsnorm)

- DIN 11853 / ISO 2768-1

Verpackung

- Schweißenden mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

- 1.4404 (mediumberührt)
 1.4301/08 (nicht mediumberührt)
 EPDM (Standard)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB")**

- innen: feinstgedreht, $R_a < 0.8 \mu\text{m}$
 außen: feingedreht, $R_a < 1.6 \mu\text{m}$

Key

- external diameter
 internal diameter
 total length
 outer (clamp) flange diameter

Dimensions

- DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative References,**Requirements / Approvals (raw material)**

- DIN 11853
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (forgings)
 EN 10254 (forgings)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (forgings)
 AD 2000-W2

Marking

- manufacturer, material, dimension, heat,
 DIN 11853

Tolerances (reference standard)

- DIN 11853 / ISO 2768-1

Packaging

- Welding ends covered with plastic caps,
 wrapped separately.

Materials

- 316L (at medium contact surface)
 304 (not at medium contact surface)
 EPDM (standard)

further materials on request**Surface condition ("MB")**

- inside: ultra-fine turned, $R_a < 0.8 \mu\text{m}$
 outside: refined turned, $R_a < 1.6 \mu\text{m}$

**Oberflächenqualitäten | surface qualities**

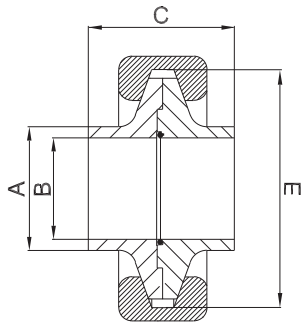
Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
$R_a < 0.6 \mu\text{m}$ (STERI-line®)	999279
$R_a < 0.5 \mu\text{m}$ (STERI-line®)	999280
$R_a < 0.4 \mu\text{m}$ (HQ-line®)	999281
$R_a < 0.25 \mu\text{m}$ (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Hygiene-Clampverbindung DN025 ISO (1.4404, EPDM) hygienic clamp connection DIN 11853-3	706554
$R_a < 0.5 \mu\text{m}$	+ 999280



Zubehör ab Seite 75 | accessories from page 75 on



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	E		MB 1.4404			
DN010	13.0 x 1.5	13.0	10.0	44.0	Ø 34.0		706108			
DN015	19.0 x 1.5	19.0	16.0	44.0	Ø 34.0		706109			
DN020	23.0 x 1.5	23.0	20.0	44.0	Ø 50.5		706110			
DN025	29.0 x 1.5	29.0	26.0	44.0	Ø 50.5		706111			
DN032	35.0 x 1.5	35.0	32.0	48.0	Ø 50.5		706112			
DN040	41.0 x 1.5	41.0	38.0	48.0	Ø 64.0		706113			
DN050	53.0 x 1.5	53.0	50.0	49.0	Ø 77.5		706114			
DN065	70.0 x 2.0	70.0	66.0	53.0	Ø 91.0		706115			
DN080	85.0 x 2.0	85.0	81.0	57.0	Ø 106.0		706116			
DN100	104.0 x 2.0	104.0	100.0	60.0	Ø 130.0		706117			
DN125*	129.0 x 2.0	129.0	125.0	60.0	Ø 155.0		710629			
DN150*	154.0 x 2.0	154.0	150.0	60.0	Ø 183.0		710630			
DN200*	204.0 x 2.0	204.0	200.0	60.0	Ø 233.5		710631			

ISO	Abmessung dimension	A	B	C	E		MB 1.4404			
DN008	13.5 x 1.6	13.5	10.3	44.0	Ø 34.0		706546			
DN010	17.2 x 1.6	17.2	14.0	44.0	Ø 34.0		706548			
DN015	21.3 x 1.6	21.3	18.1	44.0	Ø 34.0		706550			
DN020	26.9 x 1.6	26.9	23.7	44.0	Ø 50.5		706552			
DN025	33.7 x 2.0	33.7	29.7	48.0	Ø 50.5		706554			
DN032	42.4 x 2.0	42.4	38.4	48.0	Ø 64.0		706556			
DN040	48.3 x 2.0	48.3	44.3	50.0	Ø 64.0		706558			
DN050	60.3 x 2.0	60.3	56.3	54.0	Ø 91.0		706560			
DN065	76.1 x 2.0	76.1	72.1	57.0	Ø 106.0		706562			
DN080	88.9 x 2.3	88.9	84.3	62.0	Ø 119.0		706564			
DN100*	114.3 x 2.3	114.3	109.7	62.0	Ø 144.4		706566			

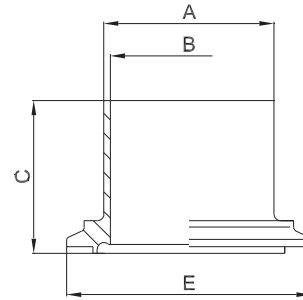
ASME BPE	Abmessung dimension	A	B	C	E		MB 1.4404			
DN 1/2"	12.7 x 1.65	12.7	9.4	44.0	Ø 34.0		710632			
DN 3/4"	19.05 x 1.65	19.05	15.75	44.0	Ø 34.0		710633			
DN 1"	25.4 x 1.65	25.4	22.1	44.0	Ø 50.5		710634			
DN 1 1/2"	38.1 x 1.65	38.1	34.8	48.0	Ø 64.0		710635			
DN 2"	50.8 x 1.65	50.8	47.5	49.0	Ø 77.5		710636			
DN 2 1/2"	63.5 x 1.65	63.5	60.2	55.0	Ø 91.0		710637			
DN 3"	76.2 x 1.65	76.2	72.9	57.0	Ø 106.0		710638			
DN 4"	101.6 x 2.11	101.6	97.38	59.0	Ø 130.0		710639			

*) nicht in der DIN-Norm enthalten | non-standard



2.6.2 S Steril-Nutclampstutzen DIN 11864-3-A

aseptic clamp with groove



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 48

weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	E		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010*	12.0 x 1.0	12.0	10.0	39.5	Ø 34.0		706781	708260	XXX	XXX
DN010	13.0 x 1.5	13.0	10.0	39.5	Ø 34.0		704775	709067	706118	710362
DN015	19.0 x 1.5	19.0	16.0	39.5	Ø 34.0		704776	708253	706119	710363
DN020	23.0 x 1.5	23.0	20.0	39.5	Ø 50.5		704777	708256	706120	709314
DN025	29.0 x 1.5	29.0	26.0	40.0	Ø 50.5		704778	708255	705127	710364
DN032	35.0 x 1.5	35.0	32.0	45.5	Ø 50.5		704779	709068	706121	710365
DN040	41.0 x 1.5	41.0	38.0	45.5	Ø 64.0		704780	710353	706122	710366
DN050	53.0 x 1.5	53.0	50.0	46.0	Ø 77.5		704781	710354	706123	710367
DN065	70.0 x 2.0	70.0	66.0	58.0	Ø 91.0		704782	710355	706124	710368
DN080	85.0 x 2.0	85.0	81.0	60.0	Ø 106.0		704783	710356	706125	710369
DN100	104.0 x 2.0	104.0	100.0	61.5	Ø 130.0		704784	710357	706126	710370
DN125*	129.0 x 2.0	129.0	125.0	61.5	Ø 155.0		710351	710358	710360	710371
DN150*	154.0 x 2.0	154.0	150.0	61.5	Ø 183.0		710352	710359	710361	710372

ISO	Abmessung dimension	A	B	C	E		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	13.5	10.3	39.5	Ø 34.0		704585	707552	706578	707563
DN010	17.2 x 1.6	17.2	14.0	39.5	Ø 34.0		704765	707553	706579	707564
DN015	21.3 x 1.6	21.3	18.1	40.5	Ø 34.0		704766	707554	706580	707565
DN020	26.9 x 1.6	26.9	23.7	40.5	Ø 50.5		704767	707555	706581	707566
DN025	33.7 x 2.0	33.7	29.7	45.5	Ø 50.5		704768	707556	706582	707567
DN032	42.4 x 2.0	42.4	38.4	45.5	Ø 64.0		704769	707557	706583	707568
DN040	48.3 x 2.0	48.3	44.3	46.5	Ø 64.0		704770	707558	706584	707569
DN050	60.3 x 2.0	60.3	56.3	58.5	Ø 91.0		704771	707559	706585	707570
DN065	76.1 x 2.0	76.1	72.1	60.0	Ø 106.0		704772	707560	706586	707571
DN080	88.9 x 2.3	88.9	84.3	62.5	Ø 119.0		704773	707561	706587	707572
DN100*	114.3 x 2.3	114.3	109.7	66.5	Ø 144.4		704774	707562	706588	707573
DN125*	139.7 x 2.6	139.7	134.5	61.5	Ø 155.0		710373	710376	710379	710382
DN150*	168.3 x 2.6	168.3	163.1	61.5	Ø 183.0		710374	710377	710380	710383
DN200*	219.1 x 2.6	219.1	213.9	61.5	Ø 233.5		710375	710378	710381	710384

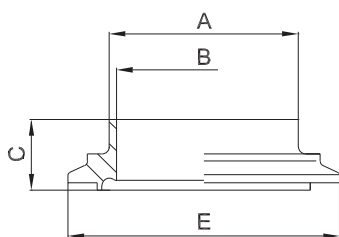
ASME BPE	Abmessung dimension	A	B	C	E		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN ½"	12.7 x 1.65	12.7	9.4	39.5	Ø 34.0		704785	710385	710393	710401
DN ¾"	19.05 x 1.65	19.05	15.75	39.5	Ø 34.0		704786	710386	710394	710402
DN 1"	25.4 x 1.65	25.4	22.1	40.0	Ø 50.5		704787	710387	710395	710403
DN 1½"	38.1 x 1.65	38.1	34.8	45.5	Ø 64.0		704788	710388	710396	710404
DN 2"	50.8 x 1.65	50.8	47.5	46.0	Ø 77.5		704789	710389	710397	710405
DN 2½"	63.5 x 1.65	63.5	60.2	59.0	Ø 91.0		704790	710390	710398	710406
DN 3"	76.2 x 1.65	76.2	72.9	60.0	Ø 106.0		704791	710391	710399	710407
DN 4"	101.6 x 2.11	101.6	97.38	61.0	Ø 130.0		704792	710392	710400	710408

*) nicht in der DIN-Norm enthalten | non-standard



2.6.2 H Hygiene-Nutclampstutzen DIN 11853-3

hygienic clamp with groove



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 50

DIN	Abmessung dimension	A	B	C	E		MB 1.4404			
DN010	13.0 x 1.5	13.0	10.0	23.5	Ø 34.0		706127			
DN015	19.0 x 1.5	19.0	16.0	23.5	Ø 34.0		706128			
DN020	23.0 x 1.5	23.0	20.0	23.5	Ø 50.5		706129			
DN025	29.0 x 1.5	29.0	26.0	23.5	Ø 50.5		706130			
DN032	35.0 x 1.5	35.0	32.0	25.5	Ø 50.5		706131			
DN040	41.0 x 1.5	41.0	38.0	25.5	Ø 64.0		706132			
DN050	53.0 x 1.5	53.0	50.0	26.0	Ø 77.5		706133			
DN065	70.0 x 2.0	70.0	66.0	28.0	Ø 91.0		706134			
DN080	85.0 x 2.0	85.0	81.0	30.0	Ø 106.0		706135			
DN100	104.0 x 2.0	104.0	100.0	31.5	Ø 130.0		706136			
DN125*	129.0 x 2.0	129.0	125.0	31.5	Ø 155.0		710640			
DN150*	154.0 x 2.0	154.0	150.0	31.5	Ø 183.0		710641			
DN200*	204.0 x 2.0	204.0	200.0	31.5	Ø 233.5		709484			

ISO	Abmessung dimension	A	B	C	E		MB 1.4404			
DN008	13.5 x 1.6	13.5	10.3	23.5	Ø 34.0		706567			
DN010	17.2 x 1.6	17.2	14.0	23.5	Ø 34.0		706568			
DN015	21.3 x 1.6	21.3	18.1	23.5	Ø 34.0		706569			
DN020	26.9 x 1.6	26.9	23.7	23.5	Ø 50.5		706570			
DN025	33.7 x 2.0	33.7	29.7	25.5	Ø 50.5		706571			
DN032	42.4 x 2.0	42.4	38.4	25.5	Ø 64.0		706572			
DN040	48.3 x 2.0	48.3	44.3	26.5	Ø 64.0		706573			
DN050	60.3 x 2.0	60.3	56.3	28.5	Ø 91.0		706574			
DN065	76.1 x 2.0	76.1	72.1	30.0	Ø 106.0		706575			
DN080	88.9 x 2.3	88.9	84.3	32.5	Ø 119.0		706576			
DN100*	114.3 x 2.3	114.3	109.7	32.5	Ø 144.4		706577			

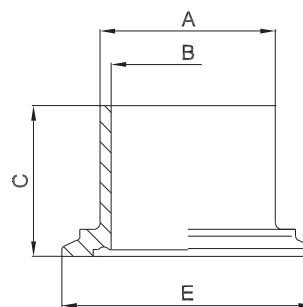
ASME BPE	Abmessung dimension	A	B	C	E		MB 1.4404			
DN 1/2"	12.7 x 1.65	12.7	9.4	23.5	Ø 34.0		710642			
DN 3/4"	19.05 x 1.65	19.05	15.75	23.5	Ø 34.0		710643			
DN 1"	25.4 x 1.65	25.4	22.1	23.5	Ø 50.5		710644			
DN 1 1/2"	38.1 x 1.65	38.1	34.8	25.5	Ø 64.0		710645			
DN 2"	50.8 x 1.65	50.8	47.5	26.0	Ø 77.5		710646			
DN 2 1/2"	63.5 x 1.65	63.5	60.2	29.0	Ø 91.0		710647			
DN 3"	76.2 x 1.65	76.2	72.9	30.0	Ø 106.0		710648			
DN 4"	101.6 x 2.11	101.6	97.38	31.0	Ø 130.0		710649			

*) nicht in der DIN-Norm enthalten | non-standard



2.6.3 S Steril-Bundclampsutzen DIN 11864-3-A

aseptic clamp with collar



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 48

weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	E		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010*	12.0 x 1.0	12.0	10.0	38.0	Ø 34.0		706782	708259	XXX	XXX
DN010	13.0 x 1.5	13.0	10.0	38.0	Ø 34.0		704740	710411	706137	710421
DN015	19.0 x 1.5	19.0	16.0	38.0	Ø 34.0		704308	708254	706138	710422
DN020	23.0 x 1.5	23.0	20.0	38.0	Ø 50.5		704309	708258	706139	709313
DN025	29.0 x 1.5	29.0	26.0	38.5	Ø 50.5		704310	708257	706140	710423
DN032	35.0 x 1.5	35.0	32.0	44.0	Ø 50.5		704741	709066	706141	710424
DN040	41.0 x 1.5	41.0	38.0	44.0	Ø 64.0		704742	710412	706142	710425
DN050	53.0 x 1.5	53.0	50.0	44.5	Ø 77.5		704743	710413	706143	710426
DN065	70.0 x 2.0	70.0	66.0	56.5	Ø 91.0		704744	710414	706144	710427
DN080	85.0 x 2.0	85.0	81.0	58.5	Ø 106.0		704745	710415	706145	710428
DN100	104.0 x 2.0	104.0	100.0	60.0	Ø 130.0		704746	710416	706146	710429
DN125*	129.0 x 2.0	129.0	125.0	60.0	Ø 155.0		710409	710417	710419	710430
DN150*	154.0 x 2.0	154.0	150.0	60.0	Ø 183.0		710410	710418	710420	710431

ISO	Abmessung dimension	A	B	C	E		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	13.5	10.3	38.0	Ø 34.0		704586	707585	706600	707596
DN010	17.2 x 1.6	17.2	14.0	38.0	Ø 34.0		704755	707586	706601	707597
DN015	21.3 x 1.6	21.3	18.1	39.0	Ø 34.0		704756	707587	706602	707598
DN020	26.9 x 1.6	26.9	23.7	39.0	Ø 50.5		704757	707588	706603	707599
DN025	33.7 x 2.0	33.7	29.7	44.0	Ø 50.5		704758	707589	706604	707600
DN032	42.4 x 2.0	42.4	38.4	44.0	Ø 64.0		704559	707590	706605	707601
DN040	48.3 x 2.0	48.3	44.3	45.0	Ø 64.0		704759	707591	706606	707602
DN050	60.3 x 2.0	60.3	56.3	57.0	Ø 91.0		704760	707592	706607	707603
DN065	76.1 x 2.0	76.1	72.1	58.5	Ø 106.0		704761	707593	706608	707604
DN080	88.9 x 2.3	88.9	84.3	61.0	Ø 119.0		704762	707594	706609	707605
DN100*	114.3 x 2.3	114.3	109.7	65.0	Ø 144.4		704763	707595	706610	707606
DN125*	139.7 x 2.6	139.7	134.5	60.0	Ø 155.0		710432	710435	710438	710441
DN150*	168.3 x 2.6	168.3	163.1	60.0	Ø 183.0		710433	710436	710439	710442
DN200*	219.1 x 2.6	219.1	213.9	60.0	Ø 233.5		710434	710437	710440	710443

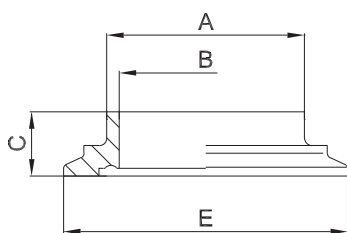
ASME BPE	Abmessung dimension	A	B	C	E		MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN 1/2"	12.7 x 1.65	12.7	9.4	38.0	Ø 34.0		704747	710444	710452	710459
DN 3/4"	19.05 x 1.65	19.05	15.75	38.0	Ø 34.0		704748	710445	710453	710460
DN 1"	25.4 x 1.65	25.4	22.1	38.5	Ø 50.5		704749	710446	710454	710461
DN 1 1/2"	38.1 x 1.65	38.1	34.8	44.0	Ø 64.0		704750	710447	710455	710462
DN 2"	50.8 x 1.65	50.8	47.5	44.5	Ø 77.5		704751	710448	710456	710463
DN 2 1/2"	63.5 x 1.65	63.5	60.2	57.5	Ø 91.0		704752	710449	709455	710464
DN 3"	76.2 x 1.65	76.2	72.9	58.5	Ø 106.0		704753	710450	710457	710465
DN 4"	101.6 x 2.11	101.6	97.38	59.5	Ø 130.0		704754	710451	710458	710466

*) nicht in der DIN-Norm enthalten | non-standard



2.6.3 H Hygiene-Bundclampsutzen DIN 11853-3

hygienic clamp with collar



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 50

DIN	Abmessung dimension	A	B	C	E		MB 1.4404			
DN010	13.0 x 1.5	13.0	10.0	22.0	Ø 34.0		706147			
DN015	19.0 x 1.5	19.0	16.0	22.0	Ø 34.0		706148			
DN020	23.0 x 1.5	23.0	20.0	22.0	Ø 50.5		706149			
DN025	29.0 x 1.5	29.0	26.0	22.0	Ø 50.5		706150			
DN032	35.0 x 1.5	35.0	32.0	24.0	Ø 50.5		706151			
DN040	41.0 x 1.5	41.0	38.0	24.0	Ø 64.0		706152			
DN050	53.0 x 1.5	53.0	50.0	24.5	Ø 77.5		706153			
DN065	70.0 x 2.0	70.0	66.0	26.5	Ø 91.0		706154			
DN080	85.0 x 2.0	85.0	81.0	28.5	Ø 106.0		706155			
DN100	104.0 x 2.0	104.0	100.0	30.0	Ø 130.0		706156			
DN125*	129.0 x 2.0	129.0	125.0	30.0	Ø 155.0		710651			
DN150*	154.0 x 2.0	154.0	150.0	30.0	Ø 183.0		710652			
DN200*	204.0 x 2.0	204.0	200.0	30.0	Ø 233.5		709485			

ISO	Abmessung dimension	A	B	C	E		MB 1.4404			
DN008	13.5 x 1.6	13.5	10.3	22.0	Ø 34.0		706589			
DN010	17.2 x 1.6	17.2	14.0	22.0	Ø 34.0		706590			
DN015	21.3 x 1.6	21.3	18.1	22.0	Ø 34.0		706591			
DN020	26.9 x 1.6	26.9	23.7	22.0	Ø 50.5		706592			
DN025	33.7 x 2.0	33.7	29.7	24.0	Ø 50.5		706593			
DN032	42.4 x 2.0	42.4	38.4	24.0	Ø 64.0		706594			
DN040	48.3 x 2.0	48.3	44.3	25.0	Ø 64.0		706595			
DN050	60.3 x 2.0	60.3	56.3	27.0	Ø 91.0		706596			
DN065	76.1 x 2.0	76.1	72.1	28.5	Ø 106.0		706597			
DN080	88.9 x 2.3	88.9	84.3	31.0	Ø 119.0		706598			
DN100*	114.3 x 2.3	114.3	109.7	31.0	Ø 144.4		706599			

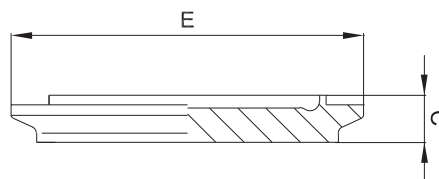
ASME BPE	Abmessung dimension	A	B	C	E		MB 1.4404			
DN 1/2"	12.7 x 1.65	12.7	9.4	22.0	Ø 34.0		710653			
DN 3/4"	19.05 x 1.65	19.05	15.75	22.0	Ø 34.0		710654			
DN 1"	25.4 x 1.65	25.4	22.1	22.0	Ø 50.5		710655			
DN 1 1/2"	38.1 x 1.65	38.1	34.8	24.0	Ø 64.0		710656			
DN 2"	50.8 x 1.65	50.8	47.5	24.5	Ø 77.5		710657			
DN 2 1/2"	63.5 x 1.65	63.5	60.2	27.5	Ø 91.0		710658			
DN 3"	76.2 x 1.65	76.2	72.9	28.5	Ø 106.0		710659			
DN 4"	101.6 x 2.11	101.6	97.38	29.5	Ø 130.0		710660			

*) nicht in der DIN-Norm enthalten | non-standard



2.6.4 Blindnutclampsutzen DIN 11864-3-A/DIN 11853-3

blind clamp with groove



zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 48

weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	C	E				MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010	13.0 x 1.5	13.0	Ø 34.0				704853	710472	706157	710486
DN015	19.0 x 1.5	13.0	Ø 34.0				704854	710473	706158	710487
DN020	23.0 x 1.5	13.0	Ø 50.5				704855	710474	706159	710488
DN025	29.0 x 1.5	13.0	Ø 50.5				704856	710475	706160	710489
DN032	35.0 x 1.5	13.0	Ø 50.5				704857	710476	706161	710490
DN040	41.0 x 1.5	13.0	Ø 64.0				704858	710477	706162	710491
DN050	53.0 x 1.5	15.0	Ø 77.5				704859	710478	706163	710492
DN065	70.0 x 2.0	15.0	Ø 91.0				704860	710479	706164	710493
DN080	85.0 x 2.0	15.0	Ø 106.0				704861	710480	706165	710494
DN100	104.0 x 2.0	15.0	Ø 130.0				704862	710481	706166	710495
DN125*	129.0 x 2.0	17.0	Ø 155.0				710470	710482	710484	710496
DN150*	154.0 x 2.0	17.0	Ø 183.0				710471	710483	710485	710497

ISO	Abmessung dimension	C	E				MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	13.0	Ø 34.0				704871	709071	706665	710507
DN010	17.2 x 1.6	13.0	Ø 34.0				704872	709937	706666	710508
DN015	21.3 x 1.6	13.0	Ø 34.0				704873	710045	706667	710509
DN020	26.9 x 1.6	13.0	Ø 50.5				704874	710046	706668	710510
DN025	33.7 x 2.0	13.0	Ø 50.5				704875	710047	706512	709938
DN032	42.4 x 2.0	13.0	Ø 64.0				704876	710048	706669	710511
DN040	48.3 x 2.0	13.0	Ø 64.0				704877	710049	706670	710512
DN050	60.3 x 2.0	15.0	Ø 91.0				704878	710050	706671	710513
DN065	76.1 x 2.0	15.0	Ø 106.0				704879	710051	706672	710514
DN080	88.9 x 2.3	15.0	Ø 119.0				704880	710052	706673	710515
DN100*	114.3 x 2.3	15.0	Ø 144.4				704881	710053	706674	710516
DN125*	139.7 x 2.6	17.0	Ø 155.0				710498	710501	710504	710517
DN150*	168.3 x 2.6	17.0	Ø 183.0				710499	710502	710505	710518
DN200*	219.1 x 2.6	17.0	Ø 233.5				710500	710503	710506	710519

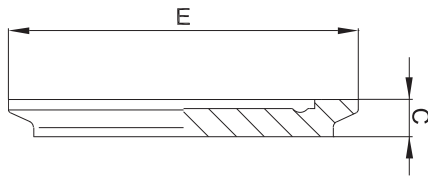
ASME BPE	Abmessung dimension	C	E				MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN 1/2"	12.7 x 1.65	13.0	Ø 34.0				704863	710520	709690	710528
DN 3/4"	19.05 x 1.65	13.0	Ø 34.0				704864	710521	709691	710529
DN 1"	25.4 x 1.65	13.0	Ø 50.5				704865	710522	709692	710530
DN 1 1/2"	38.1 x 1.65	13.0	Ø 64.0				704866	710523	709693	710531
DN 2"	50.8 x 1.65	15.0	Ø 77.5				704867	710524	709694	710532
DN 2 1/2"	63.5 x 1.65	15.0	Ø 91.0				704868	710525	709695	710533
DN 3"	76.2 x 1.65	15.0	Ø 106.0				704869	710526	709696	710534
DN 4"	101.6 x 2.11	15.0	Ø 130.0				704870	710527	709697	710535

*) nicht in der DIN-Norm enthalten | non-standard



2.6.5 Blindbündelclamps DIN 11864-3-A/DIN 11853-3

blind clamp with collar



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 48

DIN	Abmessung dimension	C	E				MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN010	13.0 x 1.5	11.5	Ø 34.0				704795	709063	706167	710550
DN015	19.0 x 1.5	11.5	Ø 34.0				704796	710538	706168	710551
DN020	23.0 x 1.5	11.5	Ø 50.5				704797	710539	706169	710552
DN025	29.0 x 1.5	11.5	Ø 50.5				704798	709064	706170	710553
DN032	35.0 x 1.5	11.5	Ø 50.5				704799	710540	706171	710554
DN040	41.0 x 1.5	11.5	Ø 64.0				704800	710541	706172	710555
DN050	53.0 x 1.5	13.5	Ø 77.5				704801	710542	706173	710556
DN065	70.0 x 2.0	13.5	Ø 91.0				704802	710543	706174	710557
DN080	85.0 x 2.0	13.5	Ø 106.0				704803	710544	706175	710558
DN100	104.0 x 2.0	13.5	Ø 130.0				704804	710545	706176	710559
DN125*	129.0 x 2.0	15.5	Ø 155.0				710536	710546	710548	710560
DN150*	154.0 x 2.0	15.5	Ø 183.0				710537	710547	710549	710561

ISO	Abmessung dimension	C	E				MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN008	13.5 x 1.6	11.5	Ø 34.0				704813	709116	706654	710599
DN010	17.2 x 1.6	11.5	Ø 34.0				704814	709431	706655	710600
DN015	21.3 x 1.6	11.5	Ø 34.0				704815	710585	706656	710601
DN020	26.9 x 1.6	11.5	Ø 50.5				704816	710586	706657	710602
DN025	33.7 x 2.0	11.5	Ø 50.5				704817	709065	706658	710603
DN032	42.4 x 2.0	11.5	Ø 64.0				704818	710587	706659	710604
DN040	48.3 x 2.0	11.5	Ø 64.0				704819	710588	706660	710605
DN050	60.3 x 2.0	13.5	Ø 91.0				704820	710589	706661	710606
DN065	76.1 x 2.0	13.5	Ø 106.0				704821	710590	706662	710607
DN080	88.9 x 2.3	13.5	Ø 119.0				704822	710591	706663	710608
DN100*	114.3 x 2.3	13.5	Ø 144.4				704823	710592	706664	710609
DN125*	139.7 x 2.6	15.5	Ø 155.0				710582	710593	710596	710610
DN150*	168.3 x 2.6	15.5	Ø 183.0				710583	710594	710597	710611
DN200*	219.1 x 2.6	15.5	Ø 233.5				710584	710595	710598	710612

ASME BPE	Abmessung dimension	C	E				MB 1.4435	e-pol. 1.4435	MB 1.4404	e-pol. 1.4404
DN 1/2"	12.7 x 1.65	11.5	Ø 34.0				704805	710613	709698	710621
DN 3/4"	19.05 x 1.65	11.5	Ø 34.0				704806	710614	709699	710622
DN 1"	25.4 x 1.65	11.5	Ø 50.5				704807	710615	709700	710623
DN 1 1/2"	38.1 x 1.65	11.5	Ø 64.0				704808	710616	709701	710624
DN 2"	50.8 x 1.65	13.5	Ø 77.5				704809	710617	709702	710625
DN 2 1/2"	63.5 x 1.65	13.5	Ø 91.0				704810	710618	709703	710626
DN 3"	76.2 x 1.65	13.5	Ø 106.0				704811	710619	709704	710627
DN 4"	101.6 x 2.11	13.5	Ø 130.0				704812	710620	709705	710628

*) nicht in der DIN-Norm enthalten | non-standard

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 E (Clamp-) Flansch-Außendurchmesser

Abmessungen

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative Verweisungen,**Anforderungen / Abnahmen (Vormaterial)**

DIN 32676
 BN2 (gültig für Bauteile in 1.4435)
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (Rohlinge)
 EN 10254 (Rohlinge)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (Rohlinge)
 AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze,
 DIN 32676

Toleranzen (Bezugsnorm)

DIN 32676 / ISO 2768-1

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

1.4435 / 1.4404 (mediumberührt)
 1.4301/08 (nicht mediumberührt)
 EPDM (Standard)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB")**

innen: feinstgedreht, $R_a < 0.8 \mu\text{m}$
 außen: feingedreht, $R_a < 1.6 \mu\text{m}$

Key

external diameter
 internal diameter
 total length
 outer (clamp) flange diameter

Dimensions

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

Normative References,**Requirements / Approvals (raw material)**

DIN 32676
 BN2 (valid for components in 1.4435)
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (forgings)
 EN 10254 (forgings)
 EN 10272
 ASTM A276
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (forgings)
 AD 2000-W2

Marking

manufacturer, material, dimension, heat,
 DIN 32676

Tolerances (reference standard)

DIN 32676 / ISO 2768-1

Packaging

Welding ends covered with plastic caps,
 wrapped separately.

Materials

316L (at medium contact surface)
 304 (not at medium contact surface)
 EPDM (standard)

further materials on request**Surface condition ("MB")**

inside: ultra-fine turned, $R_a < 0.8 \mu\text{m}$
 outside: refined turned, $R_a < 1.6 \mu\text{m}$

**Oberflächenqualitäten | surface qualities**

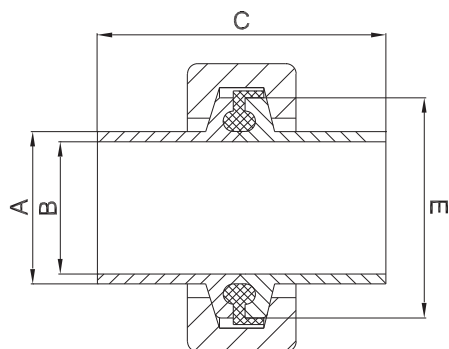
Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
$R_a < 0.6 \mu\text{m}$ (STERI-line®)	999279
$R_a < 0.5 \mu\text{m}$ (STERI-line®)	999280
$R_a < 0.4 \mu\text{m}$ (HQ-line®)	999281
$R_a < 0.25 \mu\text{m}$ (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Clampverbindung DN025 ISO (1.4404, EPDM) clamp connection -long type- DIN 32676	711979
e-poliert e-polished	+ 999277
$R_a < 0.4 \mu\text{m}$	+ 999281



Zubehör ab Seite 78 | accessories from page 78 on



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	MB 1.4435	e-pol. 1.4435	E	C	MB 1.4404	C	MB 1.4404
DN004*	6.0 x 1.0	6.0	4.0	57.2	708678	708935	Ø 25.0	XXX	XXX	XXX	XXX
DN004*	6.0 x 1.0	6.0	4.0	58.9	708679	708936	Ø 34.0	XXX	XXX	XXX	XXX
DN006	8.0 x 1.0	8.0	6.0	57.2	707278	708937	Ø 25.0	57.2	**	25.4	**
DN006*	8.0 x 1.0	8.0	6.0	58.9	707280	708938	Ø 34.0	XXX	XXX	XXX	XXX
DN008	10.0 x 1.0	10.0	8.0	57.2	707282	708939	Ø 25.0	57.2	**	25.4	**
DN008*	10.0 x 1.0	10.0	8.0	58.9	707284	708940	Ø 34.0	XXX	XXX	XXX	XXX
DN010*	12.0 x 1.0	12.0	10.0	57.2	707290	708941	Ø 25.0	XXX	XXX	XXX	XXX
DN010*	12.0 x 1.0	12.0	10.0	71.7	705667	708942	Ø 34.0	58.9	711946	37.7	705965
DN010*	12.0 x 1.0	12.0	10.0	73.7	711947	711948	Ø 50.5	XXX	XXX	XXX	XXX
DN010*	13.0 x 1.5	13.0	10.0	57.2	711949	711950	Ø 25.0	XXX	XXX	XXX	XXX
DN010	13.0 x 1.5	13.0	10.0	58.9	700931	708943	Ø 34.0	58.9	711573	37.7	705966
DN010*	13.0 x 1.5	13.0	10.0	73.7	711951	711952	Ø 50.5	XXX	XXX	XXX	XXX
DN015*	19.0 x 1.5	19.0	16.0	57.2	711953	711954	Ø 25.0	XXX	XXX	XXX	XXX
DN015	19.0 x 1.5	19.0	16.0	58.9	700932	708944	Ø 34.0	58.9	709079	37.7	705967
DN015*	19.0 x 1.5	19.0	16.0	73.7	707291	708945	Ø 50.5	XXX	XXX	XXX	XXX
DN020	23.0 x 1.5	23.0	20.0	58.9	700933	708946	Ø 34.0	58.9	711574	37.7	705968
DN020*	23.0 x 1.5	23.0	20.0	73.7	711955	711956	Ø 50.5	XXX	XXX	XXX	XXX
DN025	29.0 x 1.5	29.0	26.0	73.7	700934	708947	Ø 50.5	58.9*	709080	44.7	705969
DN032	35.0 x 1.5	35.0	32.0	73.7	700935	708948	Ø 50.5	58.9*	711957	44.7	705970
DN040	41.0 x 1.5	41.0	38.0	73.7	700936	708949	Ø 50.5	58.9*	711426	44.7	705971
DN050	53.0 x 1.5	53.0	50.0	73.7	700937	708950	Ø 64.0	58.9*	711427	44.7	705972
DN065	70.0 x 2.0	70.0	66.0	97.7	700938	708951	Ø 91.0	97.7	**	57.7	705973
DN080	85.0 x 2.0	85.0	81.0	97.7	700939	708952	Ø 106.0	97.7	**	57.7	705974
DN100	104.0 x 2.0	104.0	100.0	97.7	700940	708953	Ø 119.0	97.7	**	57.7	705975
DN125	129.0 x 2.0	129.0	125.0	133.7	706082	711958	Ø 155.0	133.7	**	57.7	706085
DN150	154.0 x 2.0	154.0	150.0	133.7	706083	711959	Ø 183.0	133.7	**	57.7	706086
DN200	204.0 x 2.0	204.0	200.0	133.7	706084	711960	Ø 233.5	133.7	**	57.7	706087

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request

ISO	Abmessung dimension	A	B	C	MB 1.4435	e-pol. 1.4435	E	C	MB 1.4404	C	MB 1.4404
DN008	13.5 x 1.6	13.5	10.3	57.2	707286	708954	Ø 25.0	57.2	711971	25.4	711990
DN008*	13.5 x 1.6	13.5	10.3	58.9	705487	708955	Ø 34.0	58.9	711972	37.7	705976
DN008*	13.5 x 1.6	13.5	10.3	73.7	711961	711962	Ø 50.5	XXX	XXX	XXX	XXX
DN010	17.2 x 1.6	17.2	14.0	57.2	707287	708956	Ø 25.0	57.2	711973	25.4	711991
DN010*	17.2 x 1.6	17.2	14.0	58.9	702431	708957	Ø 34.0	58.9	711974	37.7	705977
DN010*	17.2 x 1.6	17.2	14.0	73.7	711963	711964	Ø 50.5	58.9	711975	37.7	711992
DN015*	21.3 x 1.6	21.3	18.1	58.9	702439	708958	Ø 34.0	58.9	711976	37.7	705978
DN015	21.3 x 1.6	21.3	18.1	73.7	707288	708959	Ø 50.5	58.9*	711977	44.7	711993
DN020	26.9 x 1.6	26.9	23.7	73.7	702438	708960	Ø 50.5	58.9*	711978	44.7	705979
DN025	33.7 x 2.0	33.7	29.7	73.7	702437	708961	Ø 50.5	58.9*	711979	44.7	705980
DN032*	42.4 x 2.0	42.4	38.4	73.7	702436	708962	Ø 50.5	58.9	711980	44.7	705981
DN032	42.4 x 2.0	42.4	38.4	73.7	707289	708963	Ø 64.0	58.9*	711981	44.7	711994



2.7.1 Clampverbindung DIN 32676

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 58

clamp connection

ISO	Abmessung dimension	A	B	C	MB 1.4435	e-pol. 1.4435	E	C	MB 1.4404	C	MB 1.4404
DN040	48.3 x 2.0	48.3	44.3	73.7	702435	708964	Ø 64.0	58.9*	711982	44.7	705982
DN050	60.3 x 2.0	60.3	56.3	73.7	702434	708965	Ø 77.5	73.7	711983	57.7	705983
DN065	76.1 x 2.0	76.1	72.1	97.7	702433	708966	Ø 91.0	97.7	711984	57.7	705984
DN080	88.9 x 2.3	88.9	84.3	97.7	702432	708967	Ø 106.0	97.7	711985	57.7	705985
DN100	114.3 x 2.3	114.3	109.7	97.7	702440	708968	Ø 130.0	97.7	711986	57.7	705986
DN125	139.7 x 2.6	139.7	134.5	133.7	711965	711966	Ø 155.0	133.7	711987	57.7	712118
DN150	168.3 x 2.6	168.3	163.1	133.7	711967	711968	Ø 183.0	133.7	711988	57.7	711995
DN200	219.1 x 2.6	219.1	213.9	133.7	711969	711970	Ø 233.5	133.7	711989	57.7	711996

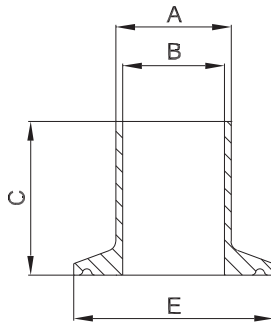
ASME BPE	Abmessung dimension	A	B	C	MB 1.4435	e-pol. 1.4435	E	C	MB 1.4404	C	MB 1.4404
DN ¼"	6.35 x 0.89	6.35	4.57	57.2	711997	712000	Ø 25.0	57.2	712011	25.4	712017
DN ⅜"	9.53 x 0.89	9.53	7.75	57.2	711998	712001	Ø 25.0	57.2	712012	25.4	712018
DN ½"	12.7 x 1.65	12.7	9.4	57.2	703987	712002	Ø 25.0	57.2	707294	25.4	705987
DN ¾"	19.05 x 1.65	19.05	15.75	57.2	703988	712003	Ø 25.0	57.2	707295	25.4	705988
DN 1"	25.4 x 1.65	25.4	22.1	73.7	703989	712004	Ø 50.5	58.9*	707296	44.7	705989
DN 1½"	38.1 x 1.65	38.1	34.8	73.7	703990	712005	Ø 50.5	58.9*	707297	44.7	705990
DN 2"	50.8 x 1.65	50.8	47.5	73.7	703991	712006	Ø 64.0	73.7	707298	57.7*	705991
DN 2½"	63.5 x 1.65	63.5	60.2	73.7	703992	712007	Ø 77.5	73.7	712013	57.7	705992
DN 3"	76.2 x 1.65	76.2	72.9	97.7	705489	712008	Ø 91.0	97.7	712014	57.7	705993
DN 4"	101.6 x 2.11	101.6	97.38	97.7	705490	712009	Ø 119.0	97.7	712015	57.7	705994
DN 6"	152.4 x 2.77	152.4	146.86	133.7	711999	712010	Ø 167.0	133.7	712016	39.9*	712019

*) nicht in der DIN-Norm enthalten | non-standard



2.7.2 Clampstutzen DIN 32676

TC/ferrule



weitere Abmessungen auf Anfrage | further dimensions on request

zusätzliche Oberflächenqualitäten analog Seite 58 | additional surface qualities analog page 58

DIN	Abmessung dimension	A	B	C	MB 1.4435	e-pol. 1.4435	E	C	MB 1.4404	C	MB 1.4404
DN004*	6.0 x 1.0	6.0	4.0	28.6	708103	710952	Ø 25.0	XXX	XXX	XXX	XXX
DN004*	6.0 x 1.0	6.0	4.0	28.6	704208	710953	Ø 34.0	XXX	XXX	XXX	XXX
DN006	8.0 x 1.0	8.0	6.0	28.6	706001	710954	Ø 25.0	28.6	**	12.7	**
DN006*	8.0 x 1.0	8.0	6.0	28.6	703087	710955	Ø 34.0	XXX	XXX	XXX	XXX
DN008	10.0 x 1.0	10.0	8.0	28.6	703248	710956	Ø 25.0	28.6	**	12.7	**
DN008*	10.0 x 1.0	10.0	8.0	28.6	702970	710957	Ø 34.0	XXX	XXX	XXX	XXX
DN010*	12.0 x 1.0	12.0	10.0	28.6	706740	708997	Ø 25.0	XXX	XXX	XXX	XXX
DN010*	12.0 x 1.0	12.0	10.0	35.0	701776	707211	Ø 34.0	28.6	706479	18.0	700871
DN010*	12.0 x 1.0	12.0	10.0	36.0	702476	710958	Ø 50.5	XXX	XXX	XXX	XXX
DN010*	13.0 x 1.5	13.0	10.0	28.6	707990	707991	Ø 25.0	XXX	XXX	XXX	XXX
DN010	13.0 x 1.5	13.0	10.0	28.6	703938	707549	Ø 34.0	28.6	706480	18.0	705455
DN010*	13.0 x 1.5	13.0	10.0	36.0	703888	709283	Ø 50.5	XXX	XXX	XXX	XXX
DN015*	19.0 x 1.5	19.0	16.0	28.6	708930	708931	Ø 25.0	XXX	XXX	XXX	XXX
DN015	19.0 x 1.5	19.0	16.0	28.6	702457	707213	Ø 34.0	28.6	706481	18.0	700872
DN015*	19.0 x 1.5	19.0	16.0	36.0	701593	709179	Ø 50.5	XXX	XXX	XXX	XXX
DN020	23.0 x 1.5	23.0	20.0	28.6	702458	708723	Ø 34.0	28.6	706482	18.0	700873
DN020*	23.0 x 1.5	23.0	20.0	36.0	701594	710959	Ø 50.5	XXX	XXX	XXX	XXX
DN025	29.0 x 1.5	29.0	26.0	36.0	701786	707212	Ø 50.5	28.6*	706483	21.5	700874
DN032	35.0 x 1.5	35.0	32.0	36.0	700865	704084	Ø 50.5	28.6*	706484	21.5	700875
DN040	41.0 x 1.5	41.0	38.0	36.0	702477	708724	Ø 50.5	28.6*	706485	21.5	700876
DN050	53.0 x 1.5	53.0	50.0	36.0	700867	707214	Ø 64.0	28.6*	706486	21.5	700877
DN065	70.0 x 2.0	70.0	66.0	48.0	700868	709084	Ø 91.0	48.0	**	28.0	700878
DN080	85.0 x 2.0	85.0	81.0	48.0	700869	709085	Ø 106.0	48.0	**	28.0	700879
DN100	104.0 x 2.0	104.0	100.0	48.0	700870	710960	Ø 119.0	48.0	**	28.0	700880
DN125	129.0 x 2.0	129.0	125.0	66.0	706088	710961	Ø 155.0	66.0	**	28.0	703479
DN150	154.0 x 2.0	154.0	150.0	66.0	706089	710962	Ø 183.0	66.0	**	28.0	703553
DN200	204.0 x 2.0	204.0	200.0	66.0	706090	710963	Ø 233.5	66.0	**	28.0	704460

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request

ISO	Abmessung dimension	A	B	C	MB 1.4435	e-pol. 1.4435	E	C	MB 1.4404	C	MB 1.4404
DN008	13.5 x 1.6	13.5	10.3	28.6	707311	708244	Ø 25.0	28.6	706329	12.7	710966
DN008*	13.5 x 1.6	13.5	10.3	28.6	708793	709675	Ø 34.0	28.6	706488	18.0	703127
DN008*	13.5 x 1.6	13.5	10.3	36.0	702482	710967	Ø 50.5	XXX	XXX	XXX	XXX
DN010	17.2 x 1.6	17.2	14.0	28.6	707312	709473	Ø 25.0	28.6	706330	12.7	709454
DN010*	17.2 x 1.6	17.2	14.0	28.6	708794	710968	Ø 34.0	28.6	706489	18.0	700921
DN010*	17.2 x 1.6	17.2	14.0	36.0	702565	710969	Ø 50.5	28.6	701596	18.0	710970
DN015*	21.3 x 1.6	21.3	18.1	28.6	708795	710971	Ø 34.0	28.6	706490	18.0	700922
DN015	21.3 x 1.6	21.3	18.1	36.0	701597	708820	Ø 50.5	28.6*	706487	21.5	706333
DN020	26.9 x 1.6	26.9	23.7	36.0	700913	708069	Ø 50.5	28.6*	706491	21.5	700923
DN025	33.7 x 2.0	33.7	29.7	36.0	700914	708212	Ø 50.5	28.6*	706492	21.5	700924
DN032*	42.4 x 2.0	42.4	38.4	36.0	700915	708056	Ø 50.5	28.6	708725	21.5	700925
DN032	42.4 x 2.0	42.4	38.4	36.0	704266	709419	Ø 64.0	28.6*	706493	21.5	710972



2.7.2 Clampstutzen DIN 32676

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 58

TC/ferrule

ISO	Abmessung dimension	A	B	C	MB 1.4435	e-pol. 1.4435	E	C	MB 1.4404	C	MB 1.4404
DN040	48.3 x 2.0	48.3	44.3	36.0	702475	709045	Ø 64.0	28.6*	706494	21.5	700926
DN050	60.3 x 2.0	60.3	56.3	36.0	700917	709046	Ø 77.5	36.0	710973	28.0	700927
DN065	76.1 x 2.0	76.1	72.1	48.0	700918	709761	Ø 91.0	48.0	710983	28.0	700928
DN080	88.9 x 2.3	88.9	84.3	48.0	700919	710978	Ø 106.0	48.0	710984	28.0	700929
DN100	114.3 x 2.3	114.3	109.7	48.0	700920	710979	Ø 130.0	48.0	710985	28.0	700930
DN125	139.7 x 2.6	139.7	134.5	66.0	710974	710980	Ø 155.0	66.0	710986	28.0	710989
DN150	168.3 x 2.6	168.3	163.1	66.0	710975	710981	Ø 183.0	66.0	710987	28.0	710990
DN200	219.1 x 2.6	219.1	213.9	66.0	710976	710982	Ø 233.5	66.0	710988	28.0	709574

ASME BPE	Abmessung dimension	A	B	C	MB 1.4435	e-pol. 1.4435	E	C	MB 1.4404	C	MB 1.4404
DN ¼"	6.35 x 0.89	6.35	4.57	28.6	706038	710992	Ø 25.0	28.6	710998	12.7	711005
DN ⅜"	9.53 x 0.89	9.53	7.75	28.6	709487	710993	Ø 25.0	28.6	710999	12.7	711006
DN ½"	12.7 x 1.65	12.7	9.4	28.6	708291	709246	Ø 25.0	28.6	706676	12.7	706766
DN ¾"	19.05 x 1.65	19.05	15.75	28.6	708292	709150	Ø 25.0	28.6	708686	12.7	706767
DN 1"	25.4 x 1.65	25.4	22.1	36.0	703969	708043	Ø 50.5	28.6*	706677	21.5	701601
DN 1½"	38.1 x 1.65	38.1	34.8	36.0	702560	709081	Ø 50.5	28.6*	701602	21.5	704001
DN 2"	50.8 x 1.65	50.8	47.5	36.0	702561	709464	Ø 64.0	36.0	711000	28.0*	706678
DN 2½"	63.5 x 1.65	63.5	60.2	36.0	704258	710994	Ø 77.5	36.0	711001	28.0	704380
DN 3"	76.2 x 1.65	76.2	72.9	48.0	704537	710995	Ø 91.0	48.0	711002	28.0	704602
DN 4"	101.6 x 2.11	101.6	97.38	48.0	704538	710996	Ø 119.0	48.0	711003	28.0	704632
DN 6"	152.4 x 2.77	152.4	146.86	66.0	710991	710997	Ø 167.0	66.0	711004	19.1*	708885

*) nicht in der DIN-Norm enthalten | non-standard



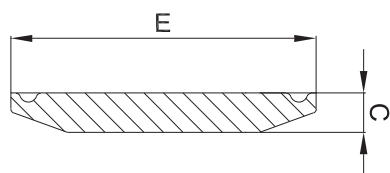
Weitere Varianten wie z.B. Clampstutzen mit Tülle, Clampadapter oder Clampstutzen mit Außen-, bzw. Innengewinde sind ab Lager lieferbar.

Further variants like clamp hose nozzles or (threaded) adapters are consignable from stock.



2.7.3 Blindclamp DIN 32676

blind clamp



weitere Abmessungen auf Anfrage | further dimensions on request

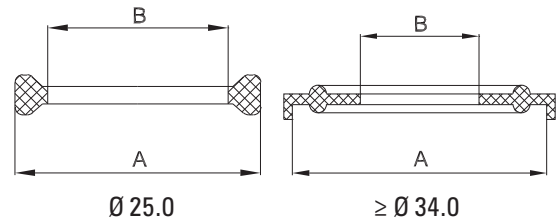
zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 58

		C	E				MB 1.4435	e-pol. 1.4435	MB 1.4404	
		4.75	Ø 25.0				700896	709062	700881	
		6.35	Ø 34.0				700894	708218	700882	
		6.35	Ø 50.5				701499	708219	700884	
		6.35	Ø 64.0				701502	708220	700887	
		6.35	Ø 77.5				701501	711010	700886	
		6.35	Ø 91.0				701503	711011	700888	
		6.35	Ø 106.0				701505	711012	700889	
		8.0	Ø 119.0				700895	711013	700890	
		8.0	Ø 130.0				705488	711014	704925	
		8.0	Ø 144.4				711007	711015	706046	
		8.0	Ø 155.0				703549	711016	703550	
		14.0	Ø 167.0				708589	711017	711022	
		14.0	Ø 183.0				706091	711018	706093	
		14.0	Ø 233.5				706092	711019	706094	
		14.0	Ø 268.0				711008	711020	708616	
		14.0	Ø 319.0				711009	711021	711023	



2.7.4 Clampdichtung DIN 32676

TC/clamp gasket



DIN	Abmessung dimension	A	B	EPDM	FKM	VMQ	A	B	PTFE	FKM/PTFE **
DN004*	6.0 x 1.0	Ø 21.8	≥ 4.2	709706	711143	711157	Ø 21.8	≥ 4.0	709707	713187
DN004*	6.0 x 1.0	Ø 34.0	≥ 4.2	709284	711144	711158	Ø 34.0	≥ 4.0	711170	XXX
DN006	8.0 x 1.0	Ø 21.8	≥ 6.2	708280	711145	711159	Ø 21.8	≥ 6.0	708281	713188
DN006*	8.0 x 1.0	Ø 34.0	≥ 6.2	711121	711146	711160	Ø 34.0	≥ 6.0	711171	XXX
DN008	10.0 x 1.0	Ø 21.8	≥ 8.2	708282	711147	711161	Ø 21.8	≥ 8.0	708283	713189
DN008*	10.0 x 1.0	Ø 34.0	≥ 8.2	711122	711148	711162	Ø 34.0	≥ 8.0	706618	XXX
DN010*	12.0 x 1.0	Ø 21.8	≥ 10.2	709708	711149	711163	Ø 21.8	≥ 10.0	709709	711176
DN010*	12.0 x 1.0	Ø 34.0	≥ 10.2	700901	707228	706688	Ø 34.0	≥ 10.0	703006	705456
DN010*	12.0 x 1.0	Ø 50.5	≥ 10.2	700343	711150	711164	Ø 50.5	≥ 10.0	711172	705651
DN010*	13.0 x 1.5	Ø 21.8	≥ 10.2	709708	711149	711163	Ø 21.8	≥ 10.0	709709	711176
DN010	13.0 x 1.5	Ø 34.0	≥ 10.2	700901	707228	706688	Ø 34.0	≥ 10.0	703006	705456
DN010*	13.0 x 1.5	Ø 50.5	≥ 10.2	700343	711150	711164	Ø 50.5	≥ 10.0	711172	705651
DN015*	19.0 x 1.5	Ø 21.8	≥ 16.2	709411	711151	711165	Ø 21.8	≥ 16.0	711173	711094
DN015	19.0 x 1.5	Ø 34.0	≥ 16.2	700902	707229	706689	Ø 34.0	≥ 16.0	703533	705457
DN015*	19.0 x 1.5	Ø 50.5	≥ 16.2	700359	711152	711166	Ø 50.5	≥ 16.0	704387	712732
DN020	23.0 x 1.5	Ø 34.0	≥ 20.2	700903	707230	706690	Ø 34.0	≥ 20.0	703826	705458
DN020*	23.0 x 1.5	Ø 50.5	≥ 20.2	703570	711153	711167	Ø 50.5	≥ 20.0	700363	712733
DN025	29.0 x 1.5	Ø 50.5	≥ 26.2	700904	707231	706691	Ø 50.5	≥ 26.0	703530	705459
DN032	35.0 x 1.5	Ø 50.5	≥ 32.2	700905	707232	706692	Ø 50.5	≥ 32.0	703827	705460
DN040	41.0 x 1.5	Ø 50.5	≥ 38.2	700906	707233	706693	Ø 50.5	≥ 38.0	703825	705461
DN050	53.0 x 1.5	Ø 64.0	≥ 50.2	700907	707234	706694	Ø 64.0	≥ 50.0	703828	705462
DN065	70.0 x 2.0	Ø 91.0	≥ 66.2	700908	707235	706695	Ø 91.0	≥ 66.0	703830	705463
DN080	85.0 x 2.0	Ø 106.0	≥ 81.2	700909	707236	706696	Ø 106.0	≥ 81.0	703831	705464
DN100	104.0 x 2.0	Ø 119.0	≥ 100.2	700910	702934	706697	Ø 119.0	≥ 100.0	704463	705465
DN125	129.0 x 2.0	Ø 155.0	≥ 125.2	703552	711154	711168	Ø 155.0	≥ 125.0	711174	706095
DN150	154.0 x 2.0	Ø 183.0	≥ 150.2	703541	711155	711169	Ø 183.0	≥ 150.0	706877	706096
DN200	204.0 x 2.0	Ø 233.5	≥ 200.2	703977	711156	710467	Ø 233.5	≥ 200.0	711175	706097

*) nicht in der DIN-Norm enthalten | non-standard

**) ummantelt | enveloped

ISO	Abmessung dimension	A	B	EPDM	FKM	VMQ	A	B	PTFE	FKM/PTFE **
DN008	13.5 x 1.6	Ø 21.8	≥ 10.5	706709	709316	709076	Ø 21.8	≥ 10.3	708911	706708
DN008*	13.5 x 1.6	Ø 34.0	≥ 10.5	701785	709317	706722	Ø 34.0	≥ 10.3	701797	705466
DN008*	13.5 x 1.6	Ø 50.5	≥ 10.5	702423	711178	711183	Ø 50.5	≥ 10.3	704436	711196
DN010	17.2 x 1.6	Ø 21.8	≥ 14.2	708211	709318	711184	Ø 21.8	≥ 14.0	708501	709710
DN010*	17.2 x 1.6	Ø 34.0	≥ 14.2	701787	709319	706723	Ø 34.0	≥ 14.0	701798	705467
DN010*	17.2 x 1.6	Ø 50.5	≥ 14.2	703038	711179	711185	Ø 50.5	≥ 14.0	706616	709934
DN015*	21.3 x 1.6	Ø 34.0	≥ 18.3	701788	709320	706724	Ø 34.0	≥ 18.1	701799	705468
DN015	21.3 x 1.6	Ø 50.5	≥ 18.3	702556	709321	711186	Ø 50.5	≥ 18.1	705694	710285
DN020	26.9 x 1.6	Ø 50.5	≥ 23.9	701789	709322	705697	Ø 50.5	≥ 23.7	701800	705469
DN025	33.7 x 2.0	Ø 50.5	≥ 29.9	701790	709323	706081	Ø 50.5	≥ 29.7	701801	705470
DN032*	42.4 x 2.0	Ø 50.5	≥ 38.6	701791	709324	706727	Ø 50.5	≥ 38.4	701802	705471
DN032	42.4 x 2.0	Ø 64.0	≥ 38.6	705616	709325	711187	Ø 64.0	≥ 38.4	706619	704354



2.7.4 Clampdichtung DIN 32676

ISO	Abmessung dimension	A	B	EPDM	FKM	VMQ	A	B	PTFE	FKM/PTFE **
DN040	48.3 x 2.0	Ø 64.0	≥ 44.5	701792	709326	706728	Ø 64.0	≥ 44.3	701803	705472
DN050	60.3 x 2.0	Ø 77.5	≥ 56.5	701793	704582	706729	Ø 77.5	≥ 56.3	701804	705473
DN065	76.1 x 2.0	Ø 91.0	≥ 72.3	701794	709328	711188	Ø 91.0	≥ 72.1	701805	705474
DN080	88.9 x 2.3	Ø 106.0	≥ 84.5	701795	709329	711189	Ø 106.0	≥ 84.3	701806	705475
DN100	114.3 x 2.3	Ø 130.0	≥ 109.9	701796	709330	711190	Ø 130.0	≥ 109.7	701807	705476
DN125	139.7 x 2.6	Ø 155.0	≥ 134.7	709711	711180	711191	Ø 155.0	≥ 134.5	711194	709712
DN150	168.3 x 2.6	Ø 183.0	≥ 163.3	708696	711181	711192	Ø 183.0	≥ 163.1	711195	709713
DN200	219.1 x 2.6	Ø 233.5	≥ 214.1	711177	711182	711193	Ø 233.5	≥ 213.9	709573	711197

ASME BPE	Abmessung dimension	A	B	EPDM	FKM	VMQ	A	B	PTFE	FKM/PTFE **
DN ¼"	6.35 x 0.89	Ø 21.8	≥ 4.8	711201	711203	711206	Ø 21.8	≥ 4.6	711210	713546
DN ⅜"	9.53 x 0.89	Ø 21.8	≥ 8.0	711202	711204	711207	Ø 21.8	≥ 7.8	711211	712824
DN ½"	12.7 x 1.65	Ø 21.8	≥ 9.6	702441	709565	705685	Ø 21.8	≥ 9.4	702442	705477
DN ¾"	19.05 x 1.65	Ø 21.8	≥ 16.0	702443	709566	705686	Ø 21.8	≥ 15.8	702444	705478
DN 1"	25.4 x 1.65	Ø 50.5	≥ 22.3	702445	709567	709450	Ø 50.5	≥ 22.1	702446	704610
DN 1½"	38.1 x 1.65	Ø 50.5	≥ 35.0	702447	709568	703832	Ø 50.5	≥ 34.8	702448	704611
DN 2"	50.8 x 1.65	Ø 64.0	≥ 47.7	702449	707952	711208	Ø 64.0	≥ 47.5	702450	704612
DN 2½"	63.5 x 1.65	Ø 77.5	≥ 60.4	702451	709569	711209	Ø 77.5	≥ 60.2	702452	705479
DN 3"	76.2 x 1.65	Ø 91.0	≥ 73.1	702453	709570	705047	Ø 91.0	≥ 72.9	702454	704613
DN 4"	101.6 x 2.11	Ø 119.0	≥ 97.6	702455	709571	709462	Ø 119.0	≥ 97.4	702456	704614
DN 6"	152.4 x 2.77	Ø 167.0	≥ 147.1	708590	711205	705379	Ø 167.0	≥ 146.9	708288	709959

*) nicht in der DIN-Norm enthalten | non-standard

**) ummantelt | enveloped

Blinddichtungen, Siebe, etc. sind ebenfalls verfügbar
orifice plates, screens, etc. are also available





2.8 Nippel-SO (ähnlich | similar) DIN 2982

orbitalschweißfähig | for orbital welding

nipple

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- E Gewinde

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative Verweisungen,

Anforderungen / Abnahmen (Vormaterial)

- BN2
- EN 10088-1/-3
- EN 10204
- EN 10272
- ASTM A276
- ASTM A182/A182M / ASME SA182/SA182M
- ASTM A479/A479M / ASME SA479/SA479M
- AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Anschlüsse mit Kunststoffkappen verschlossen, einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit ("MB")

- innen: feinstgedreht, Ra < 0.8 µm
- außen: feingedreht, Ra < 1.6 µm

Key

- external diameter
- internal diameter
- total length
- thread

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative References,

Requirements / Approvals (raw material)

- BN2
- EN 10088-1/-3
- EN 10204
- EN 10272
- ASTM A276
- ASTM A182/A182M / ASME SA182/SA182M
- ASTM A479/A479M / ASME SA479/SA479M
- AD 2000-W2

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

ISO 2768-1

Packaging

Connecting ends covered with plastic caps, wrapped separately.

Materials

316L

further materials on request

Surface condition ("MB")

- inside: ultra-fine turned, Ra < 0.8 µm
- outside: refined turned, Ra < 1.6 µm

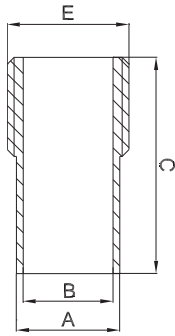


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Nippel-SO DN025 ISO G 1" (1.4435) nipple	703982
e-poliert e-polished	+ 999277
Ra < 0.6 µm	+ 999279



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	E		MB 1.4435			
DN010	12.0 x 1.0	12.0	10.0	40.0	1/8"		704323			
DN010	12.0 x 1.0	12.0	10.0	40.0	1/4"		701327			
DN010	13.0 x 1.5	13.0	10.0	40.0	1/8"		705078			
DN010	13.0 x 1.5	13.0	10.0	40.0	1/4"		709140			
DN010	13.0 x 1.5	13.0	10.0	40.0	3/8"		709105			
DN015	19.0 x 1.5	19.0	16.0	50.0	1/4"		704011			
DN015	19.0 x 1.5	19.0	16.0	50.0	3/8"		701328			
DN015	19.0 x 1.5	19.0	16.0	50.0	1/2"		701330			
DN015	19.0 x 1.5	19.0	16.0	50.0	3/4"		705646			
DN020	23.0 x 1.5	23.0	20.0	50.0	3/4"		701329			
DN025	29.0 x 1.5	29.0	26.0	50.0	3/4"		704267			
DN025	29.0 x 1.5	29.0	26.0	50.0	1"		701331			
DN032	35.0 x 1.5	35.0	32.0	58.0	1 1/4"		701332			
DN040	41.0 x 1.5	41.0	38.0	55.0	1 1/2"		701333			
DN050	53.0 x 1.5	53.0	50.0	58.0	2"		701334			
DN065	70.0 x 2.0	70.0	66.0	58.0	2 1/2"		701335			
DN080	85.0 x 2.0	85.0	81.0	58.0	3"		701336			
DN100	104.0 x 2.0	104.0	100.0	58.0	4"		701337			

ISO	Abmessung dimension	A	B	C	E		MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	40.0	1/4"		703978			
DN008	13.5 x 1.6	13.5	10.3	40.0	3/8"		704077			
DN010	17.2 x 1.6	17.2	14.0	40.0	1/4"		704990			
DN010	17.2 x 1.6	17.2	14.0	40.0	3/8"		703979			
DN015	21.3 x 1.6	21.3	18.1	40.0	3/8"		704570			
DN015	21.3 x 1.6	21.3	18.1	40.0	1/2"		703980			
DN015	21.3 x 1.6	21.3	18.1	50.0	3/4"		704569			
DN020	26.9 x 1.6	26.9	23.7	58.0	3/4"		703981			
DN025	33.7 x 2.0	33.7	29.7	45.0	1/2"		704359			
DN025	33.7 x 2.0	33.7	29.7	49.0	1"		703982			
DN032	42.4 x 2.0	42.4	38.4	58.0	1 1/4"		703983			
DN040	48.3 x 2.0	48.3	44.3	55.0	1 1/2"		703984			
DN050	60.3 x 2.0	60.3	56.3	58.0	2"		703985			
DN065	76.1 x 2.0	76.1	72.1	58.0	2 1/2"		703986			
DN080	88.9 x 2.3	88.9	84.3	58.0	3"		705453			
DN100	114.3 x 2.3	114.3	109.7	58.0	4"		705454			

ASME BPE	Abmessung dimension	A	B	C	E		MB 1.4435			
DN 1/2"	12.7 x 1.65	12.7	9.4	40.0	1/4"		705370			
DN 3/4"	19.05 x 1.65	19.05	15.75	40.0	1/2"		705371			
DN 1"	25.4 x 1.65	25.4	22.1	45.0	3/4"		705372			
DN 1 1/2"	38.1 x 1.65	38.1	34.8	55.0	1 1/2"		705373			
DN 2"	50.8 x 1.65	50.8	47.5	58.0	2"		705374			
DN 2 1/2"	63.5 x 1.65	63.5	60.2	58.0	2 1/2"		705375			
DN 3"	76.2 x 1.65	76.2	72.9	58.0	3"		705376			
DN 4"	101.6 x 2.11	101.6	97.38	58.0	4"		705377			

Anschweißnippel in Standard-Ausführung sind ebenfalls lieferbar | nipples for welding in standard version are also consignable



2.9 Muffe-SO (ähnlich | similar) DIN 2986

orbitalschweißfähig | for orbital welding

sleeve

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- E Gewinde

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative Verweisungen,

Anforderungen / Abnahmen (Vormaterial)

- BN2
- EN 10088-1/-3
- EN 10204
- EN 10272
- ASTM A276
- ASTM A182/A182M / ASME SA182/SA182M
- ASTM A479/A479M / ASME SA479/SA479M
- AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Anschlüsse mit Kunststoffkappen verschlossen, einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit ("MB")

- innen: feinstgedreht, Ra < 0.8 µm
- außen: feingedreht, Ra < 1.6 µm

Key

- external diameter
- internal diameter
- total length
- thread

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative References,

Requirements / Approvals (raw material)

- BN2
- EN 10088-1/-3
- EN 10204
- EN 10272
- ASTM A276
- ASTM A182/A182M / ASME SA182/SA182M
- ASTM A479/A479M / ASME SA479/SA479M
- AD 2000-W2

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

ISO 2768-1

Packaging

Connecting ends covered with plastic caps, wrapped separately.

Materials

316L

further materials on request

Surface condition ("MB")

- inside: ultra-fine turned, Ra < 0.8 µm
- outside: refined turned, Ra < 1.6 µm

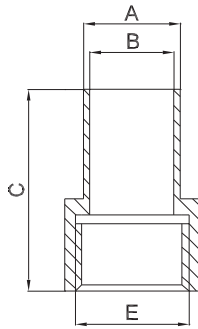


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Muffe-SO DN025 ISO G 1" (1.4435) sleeve	703452
e-poliert e-polished	+ 999277
Ra < 0.25 µm	+ 999283



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	E		MB 1.4435			
DN010	12.0 x 1.0	12.0	10.0	40.0	1/4"		701373			
DN010	13.0 x 1.5	13.0	10.0	40.0	3/8"		701374			
DN015	19.0 x 1.5	19.0	16.0	40.0	1/4"		704012			
DN015	19.0 x 1.5	19.0	16.0	40.0	1/2"		701375			
DN020	23.0 x 1.5	23.0	20.0	45.0	3/4"		701376			
DN025	29.0 x 1.5	29.0	26.0	50.0	3/4"		704315			
DN025	29.0 x 1.5	29.0	26.0	50.0	1"		701377			
DN032	35.0 x 1.5	35.0	32.0	58.0	1 1/4"		701378			
DN040	41.0 x 1.5	41.0	38.0	55.0	1 1/2"		701379			
DN050	53.0 x 1.5	53.0	50.0	58.0	2"		701380			
DN065	70.0 x 2.0	70.0	66.0	58.0	2 1/2"		701381			
DN080	85.0 x 2.0	85.0	81.0	58.0	3"		701382			
DN100	104.0 x 2.0	104.0	100.0	58.0	4"		701383			

ISO	Abmessung dimension	A	B	C	E		MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	40.0	1/4"		703448			
DN010	17.2 x 1.6	17.2	14.0	40.0	3/8"		703449			
DN015	21.3 x 1.6	21.3	18.1	40.0	1/2"		703095			
DN020	26.9 x 1.6	26.9	23.7	45.0	3/4"		703451			
DN025	33.7 x 2.0	33.7	29.7	50.0	1"		703452			
DN032	42.4 x 2.0	42.4	38.4	58.0	1 1/4"		703453			
DN040	48.3 x 2.0	48.3	44.3	55.0	1 1/4"		704442			
DN040	48.3 x 2.0	48.3	44.3	55.0	1 1/2"		703454			
DN050	60.3 x 2.0	60.3	56.3	58.0	2"		703455			
DN065	76.1 x 2.0	76.1	72.1	58.0	2 1/2"		703456			
DN080	88.9 x 2.3	88.9	84.3	58.0	3"		703457			
DN100	114.3 x 2.3	114.3	109.7	58.0	4"		703450			

ASME BPE	Abmessung dimension	A	B	C	E		MB 1.4435			
DN 1/2"	12.7 x 1.65	12.7	9.4	40.0	1/4"		705390			
DN 3/4"	19.05 x 1.65	19.05	15.75	40.0	1/2"		705391			
DN 1"	25.4 x 1.65	25.4	22.1	45.0	3/4"		705392			
DN 1 1/2"	38.1 x 1.65	38.1	34.8	55.0	1 1/2"		705393			
DN 2"	50.8 x 1.65	50.8	47.5	58.0	2"		705394			
DN 2 1/2"	63.5 x 1.65	63.5	60.2	58.0	2 1/2"		705395			
DN 3"	76.2 x 1.65	76.2	72.9	58.0	3"		705396			
DN 4"	101.6 x 2.11	101.6	97.38	58.0	4"		705397			

Anschweißmuffen in Standard-Ausführung sind ebenfalls lieferbar | sleeves for welding in standard version are also consignable



2.10 STERI-Cap®

Rohrendkappe mit Orbitalschweißende

end cap for tubes with orbital welding end

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

- BN2
- EN 10088-1/-3
- EN 10204
- EN 10272
- ASTM A276
- ASTM A182/A182M / ASME SA182/SA182M
- ASTM A479/A479M / ASME SA479/SA479M
- AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Schweißende mit Kunststoffkappe verschlossen,
einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit ("MB")

- innen: feinstgedreht, Ra < 0.8 µm
- außen: feingedreht, Ra < 1.6 µm

Key

- external diameter
- internal diameter
- total length

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

- BN2
- EN 10088-1/-3
- EN 10204
- EN 10272
- ASTM A276
- ASTM A182/A182M / ASME SA182/SA182M
- ASTM A479/A479M / ASME SA479/SA479M
- AD 2000-W2

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

ISO 2768-1

Packaging

Welding end covered with plastic cap,
wrapped separately.

Materials

316L

further materials on request

Surface condition ("MB")

- inside: ultra-fine turned, Ra < 0.8 µm
- outside: refined turned, Ra < 1.6 µm

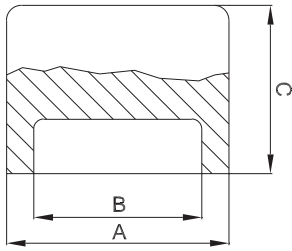


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
STERI-Cap® DN025 ISO (1.4435) end cap for tubes	704117
e-poliert e-polished	+ 999277
Ra < 0.6 µm	+ 999279



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C			MB 1.4435			
DN006	8.0 x 1.0	8.0	6.0	25.0			704129			
DN008	10.0 x 1.0	10.0	8.0	25.0			704130			
DN010	12.0 x 1.0	12.0	10.0	25.0			704131			
DN010	13.0 x 1.5	13.0	10.0	25.0			705398			
DN015	19.0 x 1.5	19.0	16.0	25.0			704132			
DN020	23.0 x 1.5	23.0	20.0	26.0			704021			
DN025	29.0 x 1.5	29.0	26.0	30.0			704133			
DN032	35.0 x 1.5	35.0	32.0	30.0			704022			
DN040	41.0 x 1.5	41.0	38.0	31.0			704134			
DN050	53.0 x 1.5	53.0	50.0	31.0			704135			
DN065	70.0 x 2.0	70.0	66.0	41.0			704136			
DN080	85.0 x 2.0	85.0	81.0	41.0			704137			
DN100	104.0 x 2.0	104.0	100.0	41.0			703203			
DN125	129.0 x 2.0	129.0	125.0	41.0			704138			
DN150	154.0 x 2.0	154.0	150.0	41.0			704139			

ISO	Abmessung dimension	A	B	C			MB 1.4435			
DN008	13.5 x 1.6	13.5	10.3	25.0			704140			
DN010	17.2 x 1.6	17.2	14.0	25.0			704141			
DN015	21.3 x 1.6	21.3	18.1	25.0			704142			
DN020	26.9 x 1.6	26.9	23.7	25.0			703995			
DN025	33.7 x 2.0	33.7	29.7	30.0			704117			
DN032	42.4 x 2.0	42.4	38.4	30.0			704143			
DN040	48.3 x 2.0	48.3	44.3	25.0			704144			
DN050	60.3 x 2.0	60.3	56.3	31.0			704118			
DN065	76.1 x 2.0	76.1	72.1	41.0			704145			
DN080	88.9 x 2.3	88.9	84.3	41.0			704146			
DN100	114.3 x 2.3	114.3	109.7	41.0			703913			
DN125	139.7 x 2.6	139.7	134.5	41.0			704114			
DN150	168.3 x 2.6	168.3	163.1	41.0			703967			

ASME BPE	Abmessung dimension	A	B	C			MB 1.4435			
DN ½"	12.7 x 1.65	12.7	9.4	38.1			705328			
DN ¾"	19.05 x 1.65	19.05	15.75	38.1			705329			
DN 1"	25.4 x 1.65	25.4	22.1	38.1			705330			
DN 1½"	38.1 x 1.65	38.1	34.8	38.1			705331			
DN 2"	50.8 x 1.65	50.8	47.5	38.1			705332			
DN 2½"	63.5 x 1.65	63.5	60.2	38.1			705333			
DN 3"	76.2 x 1.65	76.2	72.9	44.5			705334			
DN 4"	101.6 x 2.11	101.6	97.38	50.8			705335			

Klöpferböden nach DIN 28011 sind ebenfalls ab Lager lieferbar
Torispherical heads acc. to DIN 28011 are also available from stock



Zubehör

Accessories

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Dichtring STERI-Connect® gasket	73
Dichtring DIN 11864-A (DIN 11853) gasket	75
Sechskantschraubensatz hexagonal screw set	77
Clampklammer heavy duty clamp	78



Zulassungen / Konformitäten

EPDM (peroxidisch vernetzt)

FDA konform (§ 21 CFR 177.2600)
USP Class VI
3 A Sanitary Standard, Number 18-03 (Class II)
DVGW (W270 und W534)
KTW
EN 681-1 WB

FKM/FEP ummantelt

FDA konform (§ 21 CFR 177.1550)
USP Class VI
3 A Sanitary Standard, Number 18-03 (Class I)

weitere Werkstoffe auf Anfrage

Verpackung

einzeln verpackt

Approvals / Conformities

EPDM (crosslinked peroxidic)

FDA compliant (§ 21 CFR 177.2600)
USP Class VI
3 A Sanitary Standard, Number 18-03 (Class II)
DVGW (W270 and W534)
KTW
EN 681-1 WB

FKM/FEP encapsulated

FDA compliant (§ 21 CFR 177.1550)
USP Class VI
3 A Sanitary Standard, Number 18-03 (Class I)

further materials on request

Packaging

wrapped separately



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension						EPDM	FKM/ FEP *		
DN006	8.0 x 1.0						705218	XXX		
DN008	10.0 x 1.0						700970	XXX		
DN010	12.0 x 1.0						700954	705221		
DN010	13.0 x 1.5						700954	705221		
DN015	19.0 x 1.5						700958	705222		
DN020	23.0 x 1.5						700960	705223		
DN025	29.0 x 1.5						700962	705224		
DN032	35.0 x 1.5						700964	705225		
DN040	41.0 x 1.5						700966	705226		
DN050	53.0 x 1.5						700968	705227		
DN065	70.0 x 2.0						700971	705228		
DN080	85.0 x 2.0						700975	705229		
DN100	104.0 x 2.0						700956	704472		

ISO	Abmessung dimension						EPDM	FKM/ FEP *		
DN008	13.5 x 1.6						700974	705230		
DN010	17.2 x 1.6						700955	705231		
DN015	21.3 x 1.6						700959	705232		
DN020	26.9 x 1.6						700961	705233		
DN025	33.7 x 2.0						700963	705234		
DN032	42.4 x 2.0						700965	705235		
DN040	48.3 x 2.0						700967	705236		
DN050	60.3 x 2.0						700969	705237		
DN065	76.1 x 2.0						700972	705238		
DN080	88.9 x 2.3						700976	705239		
DN100	114.3 x 2.3						700957	705240		

*) ummantelt | encapsulated



Zulassungen / Konformitäten

EPDM (peroxidisch vernetzt)

FDA konform (§ 21 CFR 177.2600)
USP Class VI
3 A Sanitary Standard, Number 18-03 (Class II)
DVGW (KTW, W270 und W534)
KTW
EN 681-1 WB

FKM/FEP ummantelt

FDA konform (§ 21 CFR 177.1550)
USP Class VI
3 A Sanitary Standard, Number 18-03 (Class I)

weitere Werkstoffe auf Anfrage

Verpackung

einzeln verpackt

Approvals / Conformities

EPDM (crosslinked peroxidic)

FDA compliant (§ 21 CFR 177.2600)
USP Class VI
3 A Sanitary Standard, Number 18-03 (Class II)
DVGW (KTW, W270 and W534)
KTW
EN 681-1 WB

FKM/FEP encapsulated

FDA compliant (§ 21 CFR 177.1550)
USP Class VI
3 A Sanitary Standard, Number 18-03 (Class I)

further materials on request

Packaging

wrapped separately



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension						EPDM	FKM/ FEP **		
DN010	13.0 x 1.5						703297	705087		
DN015	19.0 x 1.5						703298	704162		
DN020	23.0 x 1.5						703299	705088		
DN025	29.0 x 1.5						703300	704160		
DN032	35.0 x 1.5						703301	705089		
DN040	41.0 x 1.5						703302	704161		
DN050	53.0 x 1.5						703303	704521		
DN065	70.0 x 2.0						703304	704638		
DN080	85.0 x 2.0						703305	705090		
DN100	104.0 x 2.0						703306	704504		
DN125	129.0 x 2.0						705664	704605		
DN150	154.0 x 2.0						704926	704606		
DN200*	204.0 x 2.0						708099	705495		
DN250*	254.0 x 2.0						706684	712119		
DN300*	306.0 x 3.0						708100	712042		

ISO	Abmessung dimension						EPDM	FKM/ FEP **		
DN008	13.5 x 1.6						704739	705091		
DN010	17.2 x 1.6						704738	705092		
DN015	21.3 x 1.6						703307	705093		
DN020	26.9 x 1.6						703308	705094		
DN025	33.7 x 2.0						703309	705095		
DN032	42.4 x 2.0						703310	705096		
DN040	48.3 x 2.0						703311	704884		
DN050	60.3 x 2.0						703312	704522		
DN065	76.1 x 2.0						703313	705097		
DN080	88.9 x 2.3						703314	705098		
DN100	114.3 x 2.3						703887	701497		
DN125*	139.7 x 2.6						703241	706737		
DN150*	168.3 x 2.6						703242	703789		
DN200*	219.1 x 2.6						703791	706738		
DN250*	273.0 x 3.0						703790	706739		
DN300*	323.9 x 3.0						703792	712043		

ASME BPE	Abmessung dimension						EPDM	FKM/ FEP **		
DN ½"	12.7 x 1.65						704737	705099		
DN ¾"	19.05 x 1.65						704736	705100		
DN 1"	25.4 x 1.65						703315	705101		
DN 1½"	38.1 x 1.65						703316	705102		
DN 2"	50.8 x 1.65						703317	705103		
DN 2½"	63.5 x 1.65						703318	705104		
DN 3"	76.2 x 1.65						703319	705105		
DN 4"	101.6 x 2.11						703320	705106		

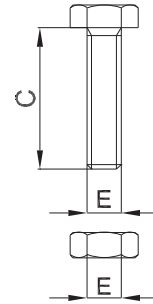
*) nicht in der DIN-Norm enthalten | non-standard

**) ummantelt | encapsulated



Sechskantschraubensatz

hexagonal screw set



Legende

C Gewindelänge
E Gewinde

**Sechskantschraubensatz für Verbindungen Typ
STERI-Connect® / DIN 11864-2-A/DIN 11853-2**

Normative Verweisungen

EN ISO 4017 (Sechskantschraube)
EN ISO 4032 (Sechskantmutter)

Werkstoffe

A2-70 alternativ A4-80

Key

length of thread
thread

**hexagonal screw set for connections type
STERI-Connect® / DIN 11864-2-A/DIN 11853-2**

Normative References

EN ISO 4017 (hexagonal screw)
EN ISO 4032 (hexagonal nut)

Materials

A2-70 alternatively A4-80

DIN 11864-2-A/DIN 11853-2

DIN	ISO	ASME BPE	C	E	Anzahl quantity			A2-70	A4-80		
DN010-050	DN008-050	DN ½"-2"	30	M8	4			700944	712030		
DN065	XXX	DN 2½"	30	M8	8			700945	712031		
XXX	DN065	DN 3"	30	M10	8			700947	712033		
DN080	DN080	DN 4"	35	M10	8			700948	712034		
DN100-125	DN100-125*	XXX	40	M10	8			700949	712036		
DN150	DN150*	XXX	50	M12	8			700953	712038		
DN200*	DN200*	XXX	75	M20	12			712028	712039		
DN250*-300*	DN250*-300*	XXX	80	M24	12			712029	712040		

*) nicht in der DIN 11864-2-A/DIN 11853-2 enthalten | non-standard

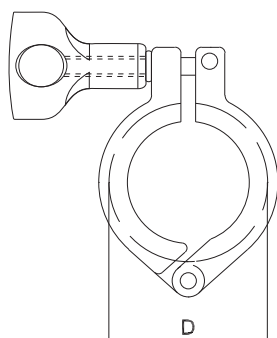
STERI-Connect®

DIN	ISO		C	E	Anzahl quantity			A2-70	A4-80		
DN008-040	DN008-040		30	M8	4			700944	712030		
DN050	DN050		35	M8	4			700942	712032		
DN065-080	DN065-080		40	M10	4			700952	712035		
DN100	DN100		45	M10	4			700950	712037		



Clampklammer (Standard)

heavy duty clamp (single pin)



weitere Abmessungen auf Anfrage | further dimensions on request

Legende

D Nenndurchmesser

Key

nominal diameter

Clampklammer (Standard) | heavy duty clamp (single pin)

Typ 13MHH/13LAH mit Bullaugenmutter 13MHH-14 | type 13MHH/13LAH with wing nut 13MHH-14

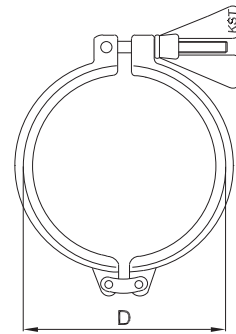
Clamp-Außendurchmesser external clamp diameter	D	Druck* pressure				1.4301/08 304			
Ø 25.0	28.0	15				700891			
Ø 34.0	37.0	15				700892			
Ø 50.5	53.6	15				700893			
Ø 64.0	67.0	15				700897			
Ø 77.5	80.6	15				701504			
Ø 91.0	94.2	10				700898			
Ø 106.0	109.2	10				700899			
Ø 119.0	122.2	10				700900			
Ø 130.0	133.2	5				704546			
Ø 144.4	148.2	5				705486			
Ø 167.0	170.0	5				703551			
Ø 183.0	187.0	5				702919			

*) Betriebsdruck in bar bei 150°C | operating pressure in bar at 150°C



Clampklammer (Doppel-Pin)

heavy duty clamp (double pin)



ebenfalls erhältlich mit TÜV-Bauteilprüfung | also available with TÜV component test

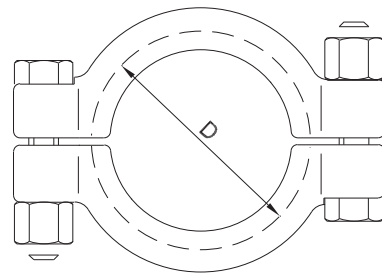
weitere Abmessungen auf Anfrage | further dimensions on request

Clampklammer (Doppel-Pin) | heavy duty clamp (double pin) Typ 13SF mit Flügelmutter | type 13SF with wing nut

Clamp-Außendurchmesser external clamp diameter	D	Druck* pressure				1.4408 316	Safety** 316		
Ø 25.0	28.0	20				705482	708681		
Ø 34.0	37.0	20				705483	708682		
Ø 50.5	53.0	20				705713	708683		
Ø 64.0	67.0	20				705714	708684		
Ø 77.5	80.0	20				705715	709476		
Ø 91.0	94.0	19				705716	709503		
Ø 106.0	109.0	17				705717	709504		
Ø 119.0	122.0	14				705718	709505		
Ø 130.0	133.0	13				705719	712023		
Ø 144.4	147.0	12				712021	712024		
Ø 183.0	187.0	10				708995	711714		
Ø 233.5	238.0	10				705720	712025		
Ø 268.0	272.0	5				708617	712026		
Ø 319.0	322.0	2				712022	712027		

*) Betriebsdruck in bar bei 150 °C | operating pressure in bar at 150 °C

**) mit Aufkippicherung | with safety device



Clampklammer (schwere Ausführung) | heavy duty clamp (for high pressure applications) Typ 13MHP mit Sechskantmutter | type 13MHP with hexagonal nut

Clamp-Außendurchmesser external clamp diameter	D	Druck* pressure				1.4301/08 304			
Ø 25.0	28.0	80				709926			
Ø 34.0	37.0	80				709927			
Ø 50.5	52.0	80				705484			
Ø 64.0	65.5	55				704007			
Ø 77.5	79.0	50				704019			
Ø 91.0	92.5	45				704018			
Ø 106.0	109.0	40				704017			
Ø 119.0	122.0	40				705485			

*) Betriebsdruck in bar bei 150 °C | operating pressure in bar at 150 °C



3. Reduzierungen

Reducers

Seite
page

- | | | |
|-----|---|----|
| 3.1 | STERI-Red® K DIN 11865-RK
concentric reducer for orbital welding | 81 |
| 3.2 | STERI-Red® E DIN 11865-RE
eccentric reducer for orbital welding | 85 |
| 3.3 | Red-Stück K
concentric reducer, short type | 89 |
| 3.4 | Red-Stück E
eccentric reducer, short type | 92 |



3.1 STERI-Red® K DIN 11865-RK

konzentrische Reduzierung mit Orbitalschweißenden

concentric reducer for orbital welding

Legende

A / A1 Außendurchmesser
B / B1 Innendurchmesser
C Gesamtlänge

Abmessungen

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

DIN 11865
BN2
EN 10088-1/-3
EN 10204
EN 10272
ASTM A276
ASTM A182/A182M / ASME SA182/SA182M
ASTM A479/A479M / ASME SA479/SA479M
AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze,
DIN 11865

Toleranzen (Bezugsnorm)

DIN 11865 / ISO 2768-1

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit ("MB")

innen: feinstgedreht, Ra < 0.8 µm
außen: feingedreht, Ra < 1.6 µm

Key

external diameter
internal diameter
total length

Dimensions

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

DIN 11865
BN2
EN 10088-1/-3
EN 10204
EN 10272
ASTM A276
ASTM A182/A182M / ASME SA182/SA182M
ASTM A479/A479M / ASME SA479/SA479M
AD 2000-W2

Marking

manufacturer, material, dimension, heat,
DIN 11865

Tolerances (reference standard)

DIN 11865 / ISO 2768-1

Packaging

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L

further materials on request

Surface condition ("MB")

inside: ultra-fine turned, Ra < 0.8 µm
outside: refined turned, Ra < 1.6 µm

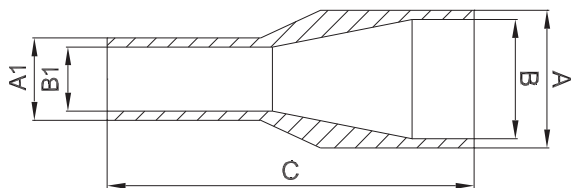


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
STERI-Red® K DN025/015 DIN (1.4435) concentric reducer DIN 11865-RK	707215
e-poliert e-polished	
Ra < 0.6 µm	+ 999279



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	A	B	A1	B1	C	MB 1.4435	e-pol. 1.4435		
DN008/DN004*	10.0	8.0	6.0	4.0	38.0	703785	710663		
DN008/DN006	10.0	8.0	8.0	6.0	38.0	703784	710664		
DN010/DN004*	12.0	10.0	6.0	4.0	38.0	702677	710665		
DN010/DN004*	13.0	10.0	6.0	4.0	38.0	707831	710666		
DN010/DN006*	12.0	10.0	8.0	6.0	38.0	702680	710667		
DN010/DN006	13.0	10.0	8.0	6.0	38.0	707266	710668		
DN010/DN008*	12.0	10.0	10.0	8.0	38.0	702678	709155		
DN010/DN008	13.0	10.0	10.0	8.0	38.0	705708	710669		
DN015/DN004*	19.0	16.0	6.0	4.0	60.0	706271	710670		
DN015/DN006*	19.0	16.0	8.0	6.0	60.0	703085	710671		
DN015/DN008	19.0	16.0	10.0	8.0	60.0	702681	709807		
DN015/DN010*	19.0	16.0	12.0	10.0	60.0	702000	708008		
DN015/DN010	19.0	16.0	13.0	10.0	60.0	703892	704207		
DN020/DN006*	23.0	20.0	8.0	6.0	60.0	705075	710672		
DN020/DN008*	23.0	20.0	10.0	8.0	60.0	706043	710673		
DN020/DN010*	23.0	20.0	12.0	10.0	60.0	702001	708496		
DN020/DN010	23.0	20.0	13.0	10.0	60.0	703891	708497		
DN020/DN015	23.0	20.0	19.0	16.0	60.0	702002	709261		
DN025/DN010*	29.0	26.0	12.0	10.0	70.0	702003	706469		
DN025/DN010*	29.0	26.0	13.0	10.0	70.0	703890	708907		
DN025/DN015	29.0	26.0	19.0	16.0	70.0	702004	707215		
DN025/DN020	29.0	26.0	23.0	20.0	70.0	702005	707263		
DN032/DN010*	35.0	32.0	12.0	10.0	80.0	702006	710674		
DN032/DN010*	35.0	32.0	13.0	10.0	80.0	705709	710675		
DN032/DN015*	35.0	32.0	19.0	16.0	80.0	702007	708203		
DN032/DN020	35.0	32.0	23.0	20.0	80.0	702008	710676		
DN032/DN025	35.0	32.0	29.0	26.0	80.0	702009	707550		
DN040/DN010*	41.0	38.0	12.0	10.0	90.0	703458	708516		
DN040/DN010*	41.0	38.0	13.0	10.0	90.0	704127	710677		
DN040/DN015*	41.0	38.0	19.0	16.0	90.0	702010	709262		
DN040/DN020	41.0	38.0	23.0	20.0	90.0	702011	708896		
DN040/DN025	41.0	38.0	29.0	26.0	90.0	702012	708204		
DN040/DN032	41.0	38.0	35.0	32.0	90.0	702013	708014		
DN050/DN010*	53.0	50.0	12.0	10.0	90.0	705710	710678		
DN050/DN010*	53.0	50.0	13.0	10.0	90.0	702617	710679		
DN050/DN015*	53.0	50.0	19.0	16.0	90.0	702014	710680		
DN050/DN020*	53.0	50.0	23.0	20.0	90.0	702015	709764		
DN050/DN025	53.0	50.0	29.0	26.0	90.0	702016	707207		
DN050/DN032	53.0	50.0	35.0	32.0	90.0	702017	707208		
DN050/DN040	53.0	50.0	41.0	38.0	90.0	702018	708517		
DN065/DN015*	70.0	66.0	19.0	16.0	110.0	704371	710681		
DN065/DN020*	70.0	66.0	23.0	20.0	110.0	702019	710682		



3.1 STERI-Red® K DIN 11865-RK

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 81

DIN	A	B	A1	B1	C	MB 1.4435	e-pol. 1.4435		
DN065/DN025*	70.0	66.0	29.0	26.0	110.0	702020	710683		
DN065/DN032*	70.0	66.0	35.0	32.0	110.0	702021	710684		
DN065/DN040	70.0	66.0	41.0	38.0	110.0	702022	710685		
DN065/DN050	70.0	66.0	53.0	50.0	110.0	702023	709510		
DN080/DN015*	85.0	81.0	19.0	16.0	110.0	703084	710686		
DN080/DN020*	85.0	81.0	23.0	20.0	110.0	705711	710687		
DN080/DN025*	85.0	81.0	29.0	26.0	110.0	703563	710688		
DN080/DN032*	85.0	81.0	35.0	32.0	110.0	702024	710689		
DN080/DN040*	85.0	81.0	41.0	38.0	110.0	702025	708298		
DN080/DN050	85.0	81.0	53.0	50.0	110.0	702026	710690		
DN080/DN065	85.0	81.0	70.0	66.0	110.0	702027	710691		
DN100/DN015*	104.0	100.0	19.0	16.0	135.0	704608	710692		
DN100/DN020*	104.0	100.0	23.0	20.0	135.0	702028	710693		
DN100/DN025*	104.0	100.0	29.0	26.0	135.0	702029	710694		
DN100/DN032*	104.0	100.0	35.0	32.0	135.0	702030	710695		
DN100/DN040*	104.0	100.0	41.0	38.0	135.0	702031	710696		
DN100/DN050*	104.0	100.0	53.0	50.0	135.0	702069	710697		
DN100/DN065	104.0	100.0	70.0	66.0	135.0	702034	710698		
DN100/DN080	104.0	100.0	85.0	81.0	135.0	702033	710699		
DN125/DN080	129.0	125.0	85.0	81.0	150.0	710700	710704		
DN125/DN100	129.0	125.0	104.0	100.0	150.0	705480	710705		
DN150/DN100	154.0	150.0	104.0	100.0	170.0	706457	710706		
DN150/DN125	154.0	150.0	129.0	125.0	170.0	710701	710707		
DN200/DN125	204.0	200.0	129.0	125.0	230.0	710702	710708		
DN200/DN150	204.0	200.0	154.0	150.0	230.0	710703	710709		

*) nicht in der DIN-Norm enthalten | non-standard

ISO	A	B	A1	B1	C	MB 1.4435	e-pol. 1.4435		
DN010/DN008	17.2	14.0	13.5	10.3	60.0	701859	707696		
DN015/DN008	21.3	18.1	13.5	10.3	60.0	701819	707697		
DN015/DN010	21.3	18.1	17.2	14.0	60.0	701818	707698		
DN020/DN008*	26.9	23.7	13.5	10.3	60.0	701820	707699		
DN020/DN010	26.9	23.7	17.2	14.0	60.0	701821	707700		
DN020/DN015	26.9	23.7	21.3	18.1	60.0	701822	707262		
DN025/DN008*	33.7	29.7	13.5	10.3	70.0	701823	707701		
DN025/DN010*	33.7	29.7	17.2	14.0	70.0	703855	707702		
DN025/DN015	33.7	29.7	21.3	18.1	70.0	701825	707703		
DN025/DN020	33.7	29.7	26.9	23.7	70.0	701826	707704		
DN032/DN008*	42.4	38.4	13.5	10.3	80.0	701902	707705		
DN032/DN010*	42.4	38.4	17.2	14.0	80.0	701828	707706		
DN032/DN015*	42.4	38.4	21.3	18.1	80.0	701829	707707		
DN032/DN020	42.4	38.4	26.9	23.7	80.0	701903	707708		
DN032/DN025	42.4	38.4	33.7	29.7	80.0	701831	707709		
DN040/DN008*	48.3	44.3	13.5	10.3	90.0	705042	707710		
DN040/DN010*	48.3	44.3	17.2	14.0	90.0	701905	707711		
DN040/DN015*	48.3	44.3	21.3	18.1	90.0	701833	707712		
DN040/DN020	48.3	44.3	26.9	23.7	90.0	701906	707713		
DN040/DN025	48.3	44.3	33.7	29.7	90.0	701835	707714		
DN040/DN032	48.3	44.3	42.4	38.4	90.0	701836	707715		
DN050/DN015*	60.3	56.3	21.3	18.1	100.0	701837	707717		
DN050/DN020*	60.3	56.3	26.9	23.7	100.0	701838	707718		
DN050/DN025	60.3	56.3	33.7	29.7	100.0	701839	707719		
DN050/DN032	60.3	56.3	42.4	38.4	100.0	701840	707720		
DN050/DN040	60.3	56.3	48.3	44.3	100.0	701841	707721		
DN065/DN015*	76.1	72.1	21.3	18.1	110.0	701842	707722		
DN065/DN020*	76.1	72.1	26.9	23.7	110.0	701843	707723		



ISO	A	B	A1	B1	C	MB 1.4435	e-pol. 1.4435		
DN065/DN025*	76.1	72.1	33.7	29.7	110.0	701844	707724		
DN065/DN032*	76.1	72.1	42.4	38.4	110.0	701845	707725		
DN065/DN040	76.1	72.1	48.3	44.3	110.0	701846	707726		
DN065/DN050	76.1	72.1	60.3	56.3	110.0	701847	707727		
DN080/DN015*	88.9	84.3	21.3	18.1	110.0	704794	707728		
DN080/DN020*	88.9	84.3	26.9	23.7	110.0	705712	707729		
DN080/DN025*	88.9	84.3	33.7	29.7	110.0	701848	707730		
DN080/DN032*	88.9	84.3	42.4	38.4	110.0	701849	707731		
DN080/DN040*	88.9	84.3	48.3	44.3	110.0	701850	707732		
DN080/DN050	88.9	84.3	60.3	56.3	110.0	704126	707733		
DN080/DN065	88.9	84.3	76.1	72.1	110.0	701851	707734		
DN100/DN025*	114.3	109.7	33.7	29.7	135.0	701853	707735		
DN100/DN032*	114.3	109.7	42.4	38.4	135.0	701854	707736		
DN100/DN040*	114.3	109.7	48.3	44.3	135.0	701855	707737		
DN100/DN050*	114.3	109.7	60.3	56.3	135.0	701856	707738		
DN100/DN065	114.3	109.7	76.1	72.1	135.0	701857	707739		
DN100/DN080	114.3	109.7	88.9	84.3	135.0	701858	707740		
DN125/DN080	139.7	134.5	88.9	84.3	150.0	702690	710712		
DN125/DN100	139.7	134.5	114.3	109.7	150.0	703807	710713		
DN150/DN100	168.3	163.1	114.3	109.7	170.0	703835	710714		
DN150/DN125	168.3	163.1	139.7	134.5	170.0	703801	710715		
DN200/DN125	219.1	213.9	139.7	134.5	230.0	710710	710716		
DN200/DN150	219.1	213.9	168.3	163.1	230.0	710711	710717		

ASME BPE	A	B	A1	B1	C	MB 1.4435	e-pol. 1.4435		
DN 3/8"/DN 1/4"	9.53	7.75	6.35	4.57	38.0	710719	710723		
DN 1/2"/DN 1/4"	12.7	9.4	6.35	4.57	38.0	710720	710724		
DN 1/2"/DN 3/8"	12.7	9.4	9.53	7.75	38.0	710721	710725		
DN 3/4"/DN 3/8"	19.05	15.75	9.53	7.75	60.0	705640	710726		
DN 3/4"/DN 1/2"	19.05	15.75	12.7	9.4	60.0	702638	710727		
DN 1"/DN 3/8"*	25.4	22.1	9.53	7.75	60.0	705639	710728		
DN 1"/DN 1/2"	25.4	22.1	12.7	9.4	60.0	702640	710729		
DN 1"/DN 3/4"	25.4	22.1	19.05	15.75	60.0	702639	710730		
DN 1 1/2"/DN 1/2"*	38.1	34.8	12.7	9.4	80.0	705642	710731		
DN 1 1/2"/DN 3/4"	38.1	34.8	19.05	15.75	80.0	702642	710732		
DN 1 1/2"/DN 1"	38.1	34.8	25.4	22.1	80.0	702641	709338		
DN 2"/DN 3/4"*	50.8	47.5	19.05	15.75	90.0	702645	710733		
DN 2"/DN 1"	50.8	47.5	25.4	22.1	90.0	702644	710734		
DN 2"/DN 1 1/2"	50.8	47.5	38.1	34.8	90.0	702643	710735		
DN 2 1/2"/DN 1"	63.5	60.2	25.4	22.1	100.0	702648	710736		
DN 2 1/2"/DN 1 1/2"	63.5	60.2	38.1	34.8	100.0	702647	710737		
DN 2 1/2"/DN 2"	63.5	60.2	50.8	47.5	100.0	702646	710738		
DN 3"/DN 1"*	76.2	72.9	25.4	22.1	110.0	702652	710739		
DN 3"/DN 1 1/2"	76.2	72.9	38.1	34.8	110.0	702651	710740		
DN 3"/DN 2"	76.2	72.9	50.8	47.5	110.0	702650	710741		
DN 3"/DN 2 1/2"	76.2	72.9	63.5	60.2	110.0	702649	710742		
DN 4"/DN 2"	101.6	97.38	50.8	34.8	135.0	702655	710743		
DN 4"/DN 2 1/2"	101.6	97.38	63.5	47.5	135.0	702654	710744		
DN 4"/DN 3"	101.6	97.38	76.2	72.9	135.0	702653	710745		
DN 6"/DN 4"	152.4	146.86	101.6	97.38	170.0	710722	710746		

*) nicht in der DIN-Norm enthalten | non-standard

Sonder-Reduzierungen (wie z.B. DIN/ISO, ASME BPE/DIN, etc.)
sind ebenfalls (teilweise aus Vorrat) lieferbar.Special reducers (e.g. DIN/ISO, ASME BPE/DIN, etc.)
are also consignable (partially from stock).



3.2 STERI-Red® E DIN 11865-RE

exzentrische Reduzierung mit Orbitalschweißenden

eccentric reducer for orbital welding

Legende

A / A1 Außendurchmesser
B / B1 Innendurchmesser
C Gesamtlänge

Abmessungen

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

DIN 11865
BN2
EN 10088-1/-3
EN 10204
EN 10272
ASTM A276
ASTM A182/A182M / ASME SA182/SA182M
ASTM A479/A479M / ASME SA479/SA479M
AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze,
DIN 11865

Toleranzen (Bezugsnorm)

DIN 11865 / ISO 2768-1

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit ("MB")

innen: feinstgedreht, Ra < 0.8 µm
außen: feingedreht, Ra < 1.6 µm

Key

external diameter
internal diameter
total length

Dimensions

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

DIN 11865
BN2
EN 10088-1/-3
EN 10204
EN 10272
ASTM A276
ASTM A182/A182M / ASME SA182/SA182M
ASTM A479/A479M / ASME SA479/SA479M
AD 2000-W2

Marking

manufacturer, material, dimension, heat,
DIN 11865

Tolerances (reference standard)

DIN 11865 / ISO 2768-1

Packaging

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L

further materials on request

Surface condition ("MB")

inside: ultra-fine turned, Ra < 0.8 µm
outside: refined turned, Ra < 1.6 µm

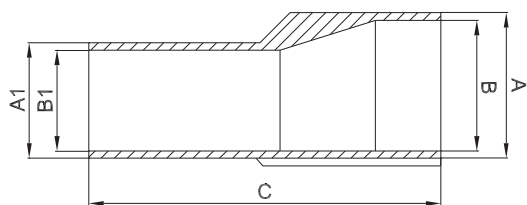


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
STERI-Red® E DN025/015 DIN (1.4435) eccentric reducer DIN 11865-RE	708018
e-poliert e-polished	
Ra < 0.6 µm	+ 999279



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	A	B	A1	B1	C	MB 1.4435	e-pol. 1.4435		
DN008/DN004*	10.0	8.0	6.0	4.0	38.0	710748	710763		
DN008/DN006	10.0	8.0	8.0	6.0	38.0	705995	710764		
DN010/DN004*	12.0	10.0	6.0	4.0	38.0	710749	710765		
DN010/DN004*	13.0	10.0	6.0	4.0	38.0	710750	710766		
DN010/DN006*	12.0	10.0	8.0	6.0	38.0	703997	709584		
DN010/DN006	13.0	10.0	8.0	6.0	38.0	705641	710767		
DN010/DN008*	12.0	10.0	10.0	8.0	38.0	705996	708518		
DN010/DN008	13.0	10.0	10.0	8.0	38.0	705997	710768		
DN015/DN004*	19.0	16.0	6.0	4.0	60.0	706272	710769		
DN015/DN006*	19.0	16.0	8.0	6.0	60.0	710751	710770		
DN015/DN008	19.0	16.0	10.0	8.0	60.0	705998	710771		
DN015/DN010*	19.0	16.0	12.0	10.0	60.0	702041	707205		
DN015/DN010	19.0	16.0	13.0	10.0	60.0	703860	708006		
DN020/DN006*	23.0	20.0	8.0	6.0	60.0	710752	710772		
DN020/DN008*	23.0	20.0	10.0	8.0	60.0	710753	710773		
DN020/DN010*	23.0	20.0	12.0	10.0	60.0	702042	709154		
DN020/DN010	23.0	20.0	13.0	10.0	60.0	703862	709034		
DN020/DN015	23.0	20.0	19.0	16.0	60.0	702043	707206		
DN025/DN010*	29.0	26.0	12.0	10.0	70.0	702044	706468		
DN025/DN010*	29.0	26.0	13.0	10.0	70.0	703861	709298		
DN025/DN015	29.0	26.0	19.0	16.0	70.0	702045	708018		
DN025/DN020	29.0	26.0	23.0	20.0	70.0	702046	707204		
DN032/DN010*	35.0	32.0	12.0	10.0	80.0	702047	708519		
DN032/DN010*	35.0	32.0	13.0	10.0	80.0	705999	709035		
DN032/DN015*	35.0	32.0	19.0	16.0	80.0	702048	708520		
DN032/DN020	35.0	32.0	23.0	20.0	80.0	702049	708996		
DN032/DN025	35.0	32.0	29.0	26.0	80.0	702492	708521		
DN040/DN010*	41.0	38.0	12.0	10.0	90.0	704035	708251		
DN040/DN010*	41.0	38.0	13.0	10.0	90.0	706000	710774		
DN040/DN015*	41.0	38.0	19.0	16.0	90.0	702097	708252		
DN040/DN020	41.0	38.0	23.0	20.0	90.0	702052	708900		
DN040/DN025	41.0	38.0	29.0	26.0	90.0	702098	708063		
DN040/DN032	41.0	38.0	35.0	32.0	90.0	702099	708005		
DN050/DN010*	53.0	50.0	12.0	10.0	90.0	710754	708522		
DN050/DN010*	53.0	50.0	13.0	10.0	90.0	710755	710775		
DN050/DN015*	53.0	50.0	19.0	16.0	90.0	702100	709087		
DN050/DN020*	53.0	50.0	23.0	20.0	90.0	702056	710776		
DN050/DN025	53.0	50.0	29.0	26.0	90.0	702057	709054		
DN050/DN032	53.0	50.0	35.0	32.0	90.0	702058	709287		
DN050/DN040	53.0	50.0	41.0	38.0	90.0	702059	708019		
DN065/DN015*	70.0	66.0	19.0	16.0	110.0	706699	710777		
DN065/DN020*	70.0	66.0	23.0	20.0	110.0	702060	710778		



3.2 STERI-Red® E DIN 11865-RE

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 85

DIN	A	B	A1	B1	C	MB 1.4435	e-pol. 1.4435		
DN065/DN025*	70.0	66.0	29.0	26.0	110.0	702061	707203		
DN065/DN032*	70.0	66.0	35.0	32.0	110.0	702062	710779		
DN065/DN040	70.0	66.0	41.0	38.0	110.0	702140	710780		
DN065/DN050	70.0	66.0	53.0	50.0	110.0	702064	707202		
DN080/DN015*	85.0	81.0	19.0	16.0	110.0	710756	710781		
DN080/DN020*	85.0	81.0	23.0	20.0	110.0	710757	710782		
DN080/DN025*	85.0	81.0	29.0	26.0	110.0	702694	710783		
DN080/DN032*	85.0	81.0	35.0	32.0	110.0	702101	710784		
DN080/DN040*	85.0	81.0	41.0	38.0	110.0	702102	710785		
DN080/DN050	85.0	81.0	53.0	50.0	110.0	702103	710786		
DN080/DN065	85.0	81.0	70.0	66.0	110.0	702104	710787		
DN100/DN015*	104.0	100.0	19.0	16.0	135.0	710758	710788		
DN100/DN020*	104.0	100.0	23.0	20.0	135.0	702035	710789		
DN100/DN025*	104.0	100.0	29.0	26.0	135.0	702036	710790		
DN100/DN032*	104.0	100.0	35.0	32.0	135.0	702037	710791		
DN100/DN040*	104.0	100.0	41.0	38.0	135.0	702038	710792		
DN100/DN050*	104.0	100.0	53.0	50.0	135.0	702070	710793		
DN100/DN065	104.0	100.0	70.0	66.0	135.0	702039	710794		
DN100/DN080	104.0	100.0	85.0	81.0	135.0	703565	710795		
DN125/DN080	129.0	125.0	85.0	81.0	150.0	705481	710796		
DN125/DN100	129.0	125.0	104.0	100.0	150.0	710759	710797		
DN150/DN100	154.0	150.0	104.0	100.0	170.0	704620	710798		
DN150/DN125	154.0	150.0	129.0	125.0	170.0	710760	710799		
DN200/DN125	204.0	200.0	129.0	125.0	230.0	710761	710800		
DN200/DN150	204.0	200.0	154.0	150.0	230.0	710762	710801		

*) nicht in der DIN-Norm enthalten | non-standard

ISO	A	B	A1	B1	C	MB 1.4435	e-pol. 1.4435		
DN010/DN008	17.2	14.0	13.5	10.3	60.0	701867	707651		
DN015/DN008	21.3	18.1	13.5	10.3	60.0	701868	707652		
DN015/DN010	21.3	18.1	17.2	14.0	60.0	701951	707653		
DN020/DN008*	26.9	23.7	13.5	10.3	60.0	701871	707654		
DN020/DN010	26.9	23.7	17.2	14.0	60.0	701869	707655		
DN020/DN015	26.9	23.7	21.3	18.1	60.0	701870	707656		
DN025/DN008*	33.7	29.7	13.5	10.3	70.0	701875	707657		
DN025/DN010*	33.7	29.7	17.2	14.0	70.0	701872	707658		
DN025/DN015	33.7	29.7	21.3	18.1	70.0	702491	707659		
DN025/DN020	33.7	29.7	26.9	23.7	70.0	701874	707660		
DN032/DN008*	42.4	38.4	13.5	10.3	80.0	701880	707661		
DN032/DN010*	42.4	38.4	17.2	14.0	80.0	701876	707662		
DN032/DN015*	42.4	38.4	21.3	18.1	80.0	701877	707663		
DN032/DN020	42.4	38.4	26.9	23.7	80.0	701878	707664		
DN032/DN025	42.4	38.4	33.7	29.7	80.0	701879	707665		
DN040/DN008*	48.3	44.3	13.5	10.3	90.0	705030	707666		
DN040/DN010*	48.3	44.3	17.2	14.0	90.0	701881	707667		
DN040/DN015*	48.3	44.3	21.3	18.1	90.0	701882	707668		
DN040/DN020	48.3	44.3	26.9	23.7	90.0	701883	707669		
DN040/DN025	48.3	44.3	33.7	29.7	90.0	703911	707670		
DN040/DN032	48.3	44.3	42.4	38.4	90.0	701885	707671		
DN050/DN015*	60.3	56.3	21.3	18.1	100.0	701886	707673		
DN050/DN020*	60.3	56.3	26.9	23.7	100.0	701887	707674		
DN050/DN025	60.3	56.3	33.7	29.7	100.0	701888	707675		
DN050/DN032	60.3	56.3	42.4	38.4	100.0	701889	707676		
DN050/DN040	60.3	56.3	48.3	44.3	100.0	701890	707677		
DN065/DN015*	76.1	72.1	21.3	18.1	110.0	701891	707678		
DN065/DN020*	76.1	72.1	26.9	23.7	110.0	701892	707679		



ISO	A	B	A1	B1	C	MB 1.4435	e-pol. 1.4435		
DN065/DN025*	76.1	72.1	33.7	29.7	110.0	701893	707680		
DN065/DN032*	76.1	72.1	42.4	38.4	110.0	701894	707681		
DN065/DN040	76.1	72.1	48.3	44.3	110.0	701895	707682		
DN065/DN050	76.1	72.1	60.3	56.3	110.0	701896	707683		
DN080/DN015*	88.9	84.3	21.3	18.1	110.0	710802	710806		
DN080/DN020*	88.9	84.3	26.9	23.7	110.0	709433	710807		
DN080/DN025*	88.9	84.3	33.7	29.7	110.0	701897	707684		
DN080/DN032*	88.9	84.3	42.4	38.4	110.0	701898	707685		
DN080/DN040*	88.9	84.3	48.3	44.3	110.0	701899	707686		
DN080/DN050	88.9	84.3	60.3	56.3	110.0	701900	707687		
DN080/DN065	88.9	84.3	76.1	72.1	110.0	701901	707688		
DN100/DN025*	114.3	109.7	33.7	29.7	135.0	701860	707689		
DN100/DN032*	114.3	109.7	42.4	38.4	135.0	701861	707690		
DN100/DN040*	114.3	109.7	48.3	44.3	135.0	701862	707691		
DN100/DN050*	114.3	109.7	60.3	56.3	135.0	701863	707692		
DN100/DN065	114.3	109.7	76.1	72.1	135.0	701864	707693		
DN100/DN080	114.3	109.7	88.9	84.3	135.0	701865	707694		
DN125/DN080	139.7	134.5	88.9	84.3	150.0	710803	710808		
DN125/DN100	139.7	134.5	114.3	109.7	150.0	707259	710809		
DN150/DN100	168.3	163.1	114.3	109.7	170.0	703803	709347		
DN150/DN125	168.3	163.1	139.7	134.5	170.0	703804	710810		
DN200/DN125	219.1	213.9	139.7	134.5	230.0	710804	710811		
DN200/DN150	219.1	213.9	168.3	163.1	230.0	710805	710812		

ASME BPE	A	B	A1	B1	C	MB 1.4435	e-pol. 1.4435		
DN 3/8"/DN 1/4"	9.53	7.75	6.35	4.57	38.0	710813	710818		
DN 1/2"/DN 1/4"	12.7	9.4	6.35	4.57	38.0	710814	710819		
DN 1/2"/DN 3/8"	12.7	9.4	9.53	7.75	38.0	710815	710820		
DN 3/4"/DN 3/8"	19.05	15.75	9.53	7.75	60.0	710816	710821		
DN 3/4"/DN 1/2"	19.05	15.75	12.7	9.4	60.0	702620	710822		
DN 1"/DN 3/8"*	25.4	22.1	9.53	7.75	60.0	710817	710823		
DN 1"/DN 1/2"	25.4	22.1	12.7	9.4	60.0	702622	708003		
DN 1"/DN 3/4"	25.4	22.1	19.05	15.75	60.0	702621	708727		
DN 1 1/2"/DN 1/2"*	38.1	34.8	12.7	9.4	80.0	705638	710824		
DN 1 1/2"/DN 3/4"	38.1	34.8	19.05	15.75	80.0	702624	710825		
DN 1 1/2"/DN 1"	38.1	34.8	25.4	22.1	80.0	702623	708004		
DN 2"/DN 3/4"*	50.8	47.5	19.05	15.75	90.0	702627	710826		
DN 2"/DN 1"	50.8	47.5	25.4	22.1	90.0	702626	709456		
DN 2"/DN 1 1/2"	50.8	47.5	38.1	34.8	90.0	702625	708726		
DN 2 1/2"/DN 1"	63.5	60.2	25.4	22.1	100.0	702630	710827		
DN 2 1/2"/DN 1 1/2"	63.5	60.2	38.1	34.8	100.0	702629	709457		
DN 2 1/2"/DN 2"	63.5	60.2	50.8	47.5	100.0	702628	709458		
DN 3"/DN 1"*	76.2	72.9	25.4	22.1	110.0	702634	710828		
DN 3"/DN 1 1/2"	76.2	72.9	38.1	34.8	110.0	702633	710829		
DN 3"/DN 2"	76.2	72.9	50.8	47.5	110.0	702632	709459		
DN 3"/DN 2 1/2"	76.2	72.9	63.5	60.2	110.0	702631	710830		
DN 4"/DN 2"	101.6	97.38	50.8	34.8	135.0	702637	710831		
DN 4"/DN 2 1/2"	101.6	97.38	63.5	47.5	135.0	702636	710832		
DN 4"/DN 3"	101.6	97.38	76.2	72.9	135.0	702635	709460		
DN 6"/DN 4"	152.4	146.86	101.6	97.38	170.0	709564	710833		

*) nicht in der DIN-Norm enthalten | non-standard

Sonder-Reduzierungen (wie z.B. DIN/ISO, ASME BPE/DIN, etc.)
sind ebenfalls (teilweise aus Vorrat) lieferbar.Special reducers (e.g. DIN/ISO, ASME BPE/DIN, etc.)
are also consignable (partially from stock).



3.3 Red-Stück K

konzentrische Reduzierung, kurze Ausführung

concentric reducer, short type

Legende

B/B1 Innendurchmesser
C Gesamtlänge
D Wandstärke

Abmessungen

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
ähnlich DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

DIN 11850
DIN 11852 (nur DIN Abmessungen)
DIN 11866 (teilweise)
EN 10204
EN 10088-1
EN 10217-7
AD 2000-W2 (teilweise)

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

EN ISO 1127

Verpackung

einzel in Folienbeutel verpackt

Werkstoffe

1.4435 (hergestellt aus HQ-/STERI-Tube®)
1.4404 (hergestellt aus MEDI-Tube®)

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit ("MB")

innen und außen metallblank
Erhöhte Rauheitswerte ($> 0.8 \mu\text{m}$) möglich!

Key

internal diameter
total length
wall thickness

Dimensions

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
similar to DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

DIN 11850
DIN 11852 (only DIN dimensions)
DIN 11866 (partially)
EN 10204
EN 10088-1
EN 10217-7
AD 2000-W2 (partially)

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

EN ISO 1127

Packaging

wrapped separately in plastic bag

Materials

316L (made out of HQ-/STERI-Tube® (1.4435) or
MEDI-Tube® (1.4404))

further materials on request

Surface condition ("MB")

inside and outside bright finish
Increased roughness values ($> 0.8 \mu\text{m}$) possible!

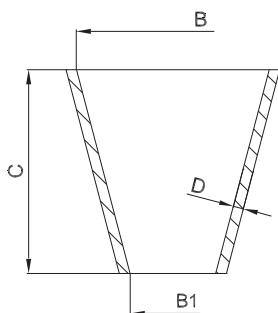


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
Ra < $0.8 \mu\text{m}$ (STERI-line®)	999284
Ra < $0.6 \mu\text{m}$ (STERI-line®)	999279
Ra < $0.5 \mu\text{m}$ (STERI-line®)	999280
Ra < $0.4 \mu\text{m}$ (HQ-line®)	999281
Ra < $0.25 \mu\text{m}$ (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Red-Stück K DN025/015 DIN (1.4435) concentric reducer, short type	703689
e-poliert e-polished	+ 999277
Ra < $0.4 \mu\text{m}$	+ 999281



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	B	B1	C	D		MB 1.4435	MB 1.4404		
DN015/DN010	16.0	10.0	11.0	1.5		703685	702112		
DN020/DN010	20.0	10.0	18.0	1.5		703686	702113		
DN020/DN015	20.0	16.0	7.0	1.5		703687	702114		
DN025/DN010*	26.0	10.0	30.0	1.5		703688	702115		
DN025/DN015	26.0	16.0	18.0	1.5		703689	702116		
DN025/DN020	26.0	20.0	11.0	1.5		703690	702117		
DN032/DN015*	32.0	16.0	30.0	1.5		703692	702119		
DN032/DN020	32.0	20.0	22.0	1.5		703693	702120		
DN032/DN025	32.0	26.0	11.0	1.5		703694	702121		
DN040/DN015*	38.0	16.0	41.0	1.5		703695	702122		
DN040/DN020	38.0	20.0	33.0	1.5		703696	702123		
DN040/DN025	38.0	26.0	22.0	1.5		703697	702124		
DN040/DN032	38.0	32.0	11.0	1.5		703698	702125		
DN050/DN020*	50.0	20.0	55.5	1.5		703700	702127		
DN050/DN025	50.0	26.0	44.0	1.5		703701	702128		
DN050/DN032	50.0	32.0	33.0	1.5		703702	702129		
DN050/DN040	50.0	38.0	22.0	1.5		703703	702130		
DN065/DN025*	66.0	26.0	74.5	2.0		703705	702132		
DN065/DN032*	66.0	32.0	63.5	2.0		703706	702133		
DN065/DN040	66.0	38.0	51.0	2.0		703707	702134		
DN065/DN050	66.0	50.0	29.0	2.0		703708	702135		
DN080/DN032*	81.0	32.0	91.5	2.0		703709	702136		
DN080/DN040*	81.0	38.0	80.2	2.0		703710	702137		
DN080/DN050	81.0	50.0	56.0	2.0		703711	702138		
DN080/DN065	81.0	66.0	27.0	2.0		703712	702139		
DN100/DN050*	100.0	50.0	93.0	2.0		703719	702109		
DN100/DN065	100.0	66.0	61.0	2.0		703720	702110		
DN100/DN080	100.0	81.0	34.0	2.0		703721	702111		
DN125/DN080	125.0	81.0	79.0	2.0		710918	710924		
DN125/DN100	125.0	100.0	45.0	2.0		710919	709104		
DN150/DN100	150.0	100.0	90.0	2.0		710920	710925		
DN150/DN125	150.0	125.0	45.0	2.0		710921	710926		
DN200/DN125*	200.0	125.0	140.0	2.0		710922	710927		
DN200/DN150	200.0	150.0	90.0	2.0		710923	710928		

*) nicht in der DIN-Norm enthalten | non-standard



3.3 Red-Stück K

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 89

ISO	B	B1	C	D		MB 1.4435	MB 1.4404		
DN010/DN008	14.0	10.3	6.9	1.6		703722	701962		
DN015/DN008	18.1	10.3	14.6	1.6		703724	701963		
DN015/DN010	18.1	14.0	7.7	1.6		703723	701998		
DN020/DN008	23.7	10.3	25.0	1.6		703727	701966		
DN020/DN010	23.7	14.0	18.1	1.6		703725	701964		
DN020/DN015	23.7	18.1	10.4	1.6		703726	701965		
DN025/DN010	29.7	14.0	30.8	1.6		703728	701967		
DN025/DN015	29.7	18.1	23.1	1.6		703729	701968		
DN025/DN020	29.7	23.7	12.7	1.6		703730	701969		
DN032/DN015	38.4	18.1	39.4	1.6		703733	701972		
DN032/DN020	38.4	23.7	28.9	1.6		703734	701973		
DN032/DN025	38.4	29.7	16.2	2.0		703735	701974		
DN040/DN020	44.3	23.7	39.9	2.0		703739	701978		
DN040/DN025	44.3	29.7	27.2	2.0		703740	701979		
DN040/DN032	44.3	38.4	11.0	2.0		703741	701980		
DN050/DN025	56.3	29.7	49.6	2.0		702501	701983		
DN050/DN032	56.3	38.4	33.4	2.0		703745	701984		
DN050/DN040	56.3	44.3	22.4	2.0		703746	701985		
DN065/DN032	72.1	38.4	62.9	2.0		703752	701989		
DN065/DN040	72.1	44.3	51.9	2.0		703753	701990		
DN065/DN050	72.1	56.3	29.5	2.0		703754	701991		
DN080/DN032	84.3	38.4	86.8	2.0		703756	701993		
DN080/DN040	84.3	44.3	75.8	2.0		703757	701947		
DN080/DN050	84.3	56.3	53.4	2.0		703758	701994		
DN080/DN065	84.3	72.1	23.9	2.0		703759	701995		
DN100/DN050	109.7	56.3	100.8	2.0		703763	701959		
DN100/DN065	109.7	72.1	71.3	2.0		703764	701960		
DN100/DN080	109.7	84.3	47.4	2.3		703765	701961		
DN125/DN065	134.5	72.1	118.7	2.3		710929	710933		
DN125/DN080	134.5	84.3	94.8	2.3		709077	710934		
DN125/DN100	134.5	109.7	47.4	2.3		710930	710935		
DN150/DN080	163.1	84.3	148.2	2.3		709177	710936		
DN150/DN100	163.1	109.7	100.8	2.3		710931	710937		
DN150/DN125	163.1	134.5	53.4	2.3		710932	710938		

Zoll / inch**	B	B1	C	D		MB 1.4435	MB 1.4404		
DN ¾"/DN ½"	15.8	9.4	11.0	1.5		705872	710939		
DN 1"/DN ½"	22.1	9.4	23.7	1.5		705871	710940		
DN 1"/DN ¾"	22.1	15.8	11.9	1.5		705727	705738		
DN 1½"/DN 1"	34.8	22.1	23.7	1.5		705728	705739		
DN 2"/DN 1"	47.5	22.1	47.4	1.5		706040	706041		
DN 2"/DN 1½"	47.5	34.8	23.7	1.5		705729	705740		
DN 2½"/DN 1½"	60.2	34.8	47.4	1.5		705730	705741		
DN 2½"/DN 2"	60.2	47.5	23.7	1.5		705731	705742		
DN 3"/DN 1½"	72.9	34.8	71.1	1.5		705732	705743		
DN 3"/DN 2"	72.9	47.5	47.4	1.5		705733	705744		
DN 3"/DN 2½"	72.9	60.2	23.7	2.0		705734	705745		
DN 4"/DN 2"	97.4	47.5	94.8	2.0		705735	705746		
DN 4"/DN 2½"	97.4	60.2	71.1	2.0		705736	705747		
DN 4"/DN 3"	97.4	72.9	47.4	2.0		705737	705748		

**) Abmessungen in Anlehnung an ASME BPE | dimensions following ASME BPE



3.4 Red-Stück E

exzentrische Reduzierung, kurze Ausführung

eccentric reducer, short type

Legende

B/B1 Innendurchmesser
C Gesamtlänge
D Wandstärke

Abmessungen

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
ähnlich DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

DIN 11850
DIN 11852 (nur DIN Abmessungen)
DIN 11866 (teilweise)
EN 10204
EN 10088-1
EN 10217-7
AD 2000-W2 (teilweise)

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

EN ISO 1127

Verpackung

einzel in Folienbeutel verpackt

Werkstoffe

1.4435 (hergestellt aus HQ-/STERI-Tube®)
1.4404 (hergestellt aus MEDI-Tube®)

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit ("MB")

innen und außen metallblank
Erhöhte Rauheitswerte ($> 0.8 \mu\text{m}$) möglich!

Key

internal diameter
total length
wall thickness

Dimensions

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
similar to DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

DIN 11850
DIN 11852 (only DIN dimensions)
DIN 11866 (partially)
EN 10204
EN 10088-1
EN 10217-7
AD 2000-W2 (partially)

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

EN ISO 1127

Packaging

wrapped separately in plastic bag

Materials

316L (made out of HQ-/STERI-Tube® (1.4435) or
MEDI-Tube® (1.4404))

further materials on request

Surface condition ("MB")

inside and outside bright finish
Increased roughness values ($> 0.8 \mu\text{m}$) possible!

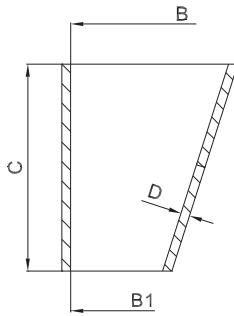


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
Ra < $0.8 \mu\text{m}$ (STERI-line®)	999284
Ra < $0.6 \mu\text{m}$ (STERI-line®)	999279
Ra < $0.5 \mu\text{m}$ (STERI-line®)	999280
Ra < $0.4 \mu\text{m}$ (HQ-line®)	999281
Ra < $0.25 \mu\text{m}$ (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Red-Stück E DN025/015 DIN (1.4404) eccentric reducer, short type	702081
e-poliert e-polished	+ 999277
Ra < $0.6 \mu\text{m}$	+ 999279



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	B	B1	C	D		MB 1.4435	MB 1.4404		
DN015/DN010	16.0	10.0	16.5	1.5		703606	702077		
DN020/DN010*	20.0	10.0	27.5	1.5		703607	702078		
DN020/DN015	20.0	16.0	11.0	1.5		703608	702079		
DN025/DN010*	26.0	10.0	44.0	1.5		703609	702080		
DN025/DN015	26.0	16.0	27.5	1.5		703610	702081		
DN025/DN020	26.0	20.0	16.5	1.5		703611	702082		
DN032/DN015*	32.0	16.0	44.0	1.5		703613	702084		
DN032/DN020	32.0	20.0	33.0	1.5		703614	702085		
DN032/DN025	32.0	26.0	16.5	1.5		703615	702050		
DN040/DN015*	38.0	16.0	60.4	1.5		703616	702051		
DN040/DN020*	38.0	20.0	49.5	1.5		703617	702086		
DN040/DN025	38.0	26.0	33.0	1.5		703618	702053		
DN040/DN032	38.0	32.0	16.5	1.5		703619	702054		
DN050/DN025*	50.0	26.0	66.0	1.5		703622	702088		
DN050/DN032*	50.0	32.0	49.5	1.5		703623	702089		
DN050/DN040	50.0	38.0	33.0	1.5		703624	702090		
DN065/DN040*	66.0	38.0	77.0	2.0		703628	702063		
DN065/DN050	66.0	50.0	44.0	2.0		703629	702094		
DN080/DN050*	81.0	50.0	85.2	2.0		703632	702067		
DN080/DN065	81.0	66.0	41.2	2.0		703633	702068		
DN100/DN050*	100.0	50.0	137.4	2.0		703638	702075		
DN100/DN065*	100.0	66.0	93.4	2.0		703639	702076		
DN100/DN080	100.0	81.0	52.5	2.0		703640	702040		
DN125/DN080*	125.0	81.0	120.5	2.0		710941	710945		
DN125/DN100	125.0	100.0	68.5	2.0		710942	710946		
DN150/DN100*	150.0	100.0	137.5	2.0		710943	710947		
DN150/DN125	150.0	125.0	68.5	2.0		710944	710948		

*) nicht in der DIN-Norm enthalten | non-standard



3.4 Red-Stück E

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 92

ISO	B	B1	C	D		MB 1.4435	MB 1.4404		
DN010/DN008	14.0	10.3	10.2	1.6		703641	701914		
DN015/DN008	18.1	10.3	21.4	1.6		703643	701916		
DN015/DN010	18.1	14.0	11.3	1.6		703642	701996		
DN020/DN008	23.7	10.3	36.8	1.6		703646	701919		
DN020/DN010	23.7	14.0	26.7	1.6		703644	701917		
DN020/DN015	23.7	18.1	15.4	1.6		703645	701918		
DN025/DN010	29.7	14.0	45.3	1.6		703647	701920		
DN025/DN015	29.7	18.1	34.1	1.6		703866	701921		
DN025/DN020	29.7	23.7	18.7	1.6		703648	701922		
DN032/DN015	38.4	18.1	57.4	1.6		703651	701925		
DN032/DN020	38.4	23.7	42.0	1.6		703652	701926		
DN032/DN025	38.4	29.7	23.9	2.0		703653	701927		
DN040/DN020	44.3	23.7	58.8	2.0		703657	701931		
DN040/DN025	44.3	29.7	40.1	2.0		703658	701932		
DN040/DN032	44.3	38.4	16.2	2.0		703659	701933		
DN050/DN032	56.3	38.4	49.2	2.0		703663	701937		
DN050/DN040	56.3	44.3	33.0	2.0		703664	701938		
DN065/DN040	72.1	44.3	76.4	2.0		703670	701943		
DN065/DN050	72.1	56.3	43.4	2.0		703672	701944		
DN080/DN040	84.3	44.3	111.5	2.0		703675	701948		
DN080/DN050	84.3	56.3	78.6	2.0		703676	701997		
DN080/DN065	84.3	72.1	35.2	2.0		703677	701949		
DN100/DN065	109.7	72.1	105.0	2.0		703683	701912		
DN100/DN080	109.7	84.3	69.5	2.3		703684	701913		
DN125/DN100	134.5	109.7	69.8	2.3		710949	710950		

Zoll / inch**	B	B1	C	D		MB 1.4435	MB 1.4404		
DN 1"/DN 1/2"	22.1	9.4	38.1	1.5		705870	706831		
DN 1"/DN 3/4"	22.1	15.8	18.7	1.5		705869	706299		
DN 1 1/2"/DN 1"	34.8	22.1	33.5	1.5		705749	705762		
DN 2"/DN 1"	47.5	22.1	68.4	1.5		705750	705763		
DN 2"/DN 1 1/2"	47.5	34.8	34.9	1.5		705751	705764		
DN 2 1/2"/DN 1"	60.2	22.1	102.3	1.5		705752	705765		
DN 2 1/2"/DN 1 1/2"	60.2	34.8	69.8	1.5		705753	705766		
DN 2 1/2"/DN 2"	60.2	47.5	34.9	1.5		705754	705767		
DN 3"/DN 1"	72.9	22.1	136.9	1.5		705755	705768		
DN 3"/DN 1 1/2"	72.9	34.8	104.4	1.5		705756	705769		
DN 3"/DN 2"	72.9	47.5	69.5	1.5		705757	705770		
DN 3"/DN 2 1/2"	72.9	60.2	34.6	2.0		705758	705771		
DN 4"/DN 2"	97.4	47.5	136.8	2.0		705759	705772		
DN 4"/DN 2 1/2"	97.4	60.2	101.9	2.0		705760	705773		
DN 4"/DN 3"	97.4	72.9	67.3	2.0		705761	705774		

***) Abmessungen in Anlehnung an ASME BPE | dimensions following ASME BPE



4. Bogen

Elbows / Bends

Seite
page

4.1	STERI-Bo® 90° DIN 11865-BL-90 elbows for orbital welding	96
4.2	STERI-Bo® 60° elbows for orbital welding	98
4.3	STERI-Bo® 45° DIN 11865-BL-45 elbows for orbital welding	100
4.4	STERI-Bo® 30° elbows for orbital welding	102
4.5	MEDI-Bo® 90° / 45° DIN 11852-BL elbows for orbital welding	104
4.6	Bogen 90° + 45° DIN 11852-BS + DIN 2605 kurze Bogen short elbows	106



4.1 STERI-Bo® 90° / HQ-Bo® 90° DIN 11865-BL-90

Bogen mit Orbitalschweißenden

elbows for orbital welding

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- C1 zylindrische Länge
- R Radius

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

- DIN 11865
- DIN 11866
- BN2
- EN 10204
- EN 10088-1
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze,
DIN 11865

Toleranzen (Bezugsnorm)

DIN 11865 / EN ISO 1127

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

	 MB H2 Ra > 0.8 µm	K400 H3o Ra < 0.8 µm	e-pol. HE3o Ra < 0.5-0.8 µm
innen metallblank			
innen geschliffen			
innen e-poliert			
außen metallblank			
außen geschliffen			

Key

- external diameter
- internal diameter
- total length
- cylindrical length
- radius

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

- DIN 11865
- DIN 11866
- BN2
- EN 10204
- EN 10088-1
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Marking

manufacturer, material, dimension, heat,
DIN 11865

Tolerances (reference standard)

DIN 11865 / EN ISO 1127

Packaging

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L

further materials on request

Surface condition

	 K400 H4o Ra < 0.4 µm	e-pol. HE5o Ra < 0.25 µm
inside bright finish		
inside mech. polished		
inside e-polished		
outside bright finish		
outside mech. polished		

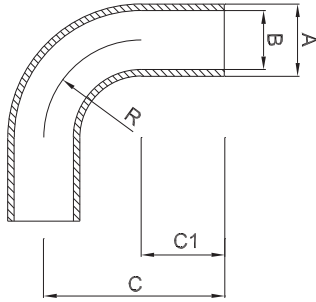


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
HQ-Bo® 90° DN025 ISO (1.4435) DIN 11865-BL elbow 90°	706989
e-poliert e-polished	
Ra < 0.25 µm	



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	C1	R	STERI-line®			HQ-line®	
							MB	K400	e-pol.	K400	e-pol.
DN004*	6.0 x 1.0	6.0	4.0	45.0	25.0	22.0	703820	711540	704361	709517	709518
DN006	8.0 x 1.0	8.0	6.0	45.0	25.0	22.0*	700499	711541	701197	709519	709520
DN008	10.0 x 1.0	10.0	8.0	50.0	25.0	25.0	702154	711542	702155	709521	709522
DN010*	12.0 x 1.0	12.0	10.0	51.0	25.0	26.0	700483	711543	701165	706958	706959
DN010	13.0 x 1.5	13.0	10.0	51.0	25.0	26.0	703823	711544	704367	706960	706961
DN015	19.0 x 1.5	19.0	16.0	60.0	25.0	35.0	700487	711545	701173	706962	706963
DN020	23.0 x 1.5	23.0	20.0	65.0	25.0	40.0	700489	711546	701177	706964	706965
DN025	29.0 x 1.5	29.0	26.0	90.0	40.0	50.0	700491	711547	701181	706966	706967
DN032	35.0 x 1.5	35.0	32.0	95.0	40.0	55.0	700493	711548	701185	706968	706969
DN040	41.0 x 1.5	41.0	38.0	100.0	40.0	60.0	700495	711549	701189	706970	706971
DN050	53.0 x 1.5	53.0	50.0	110.0	40.0	70.0	700497	711550	701193	706972	706973
DN065	70.0 x 2.0	70.0	66.0	120.0	40.0	80.0	700500	711551	701199	706974	706975
DN080	85.0 x 2.0	85.0	81.0	145.0	55.0	90.0	700503	711552	701205	706976	706977
DN100	104.0 x 2.0	104.0	100.0	155.0	55.0	100.0	700485	711553	702170	706978	706979
DN125	129.0 x 2.0	129.0	125.0	270.0	82.5	187.5	709366	711554	709368	**	**
DN150	154.0 x 2.0	154.0	150.0	325.0	100.0	225.0	710064	711555	710066	**	**
DN200	204.0 x 2.0	204.0	200.0	400.0	100.0	300.0	**	**	**	**	**

ISO	Abmessung dimension	A	B	C	C1	R	STERI-line®			HQ-line®	
							MB	K400	e-pol.	K400	e-pol.
DN008	13.5 x 1.6	13.5	10.3	45.0	25.0	20.0	700502	711636	701203	706980	706981
DN010	17.2 x 1.6	17.2	14.0	53.0	25.0	28.0	700484	711637	701167	706982	706983
DN015	21.3 x 1.6	21.3	18.1	55.0	25.0	30.0	701174	711638	701175	706984	706985
DN020	26.9 x 1.6	26.9	23.7	68.5	40.0	28.5	700490	711639	701179	706986	706987
DN025	33.7 x 2.0	33.7	29.7	78.0	40.0	38.0	700492	711640	701183	706988	706989
DN032	42.4 x 2.0	42.4	38.4	87.5	40.0	47.5	700494	711641	701187	706990	706991
DN040	48.3 x 2.0	48.3	44.3	97.0	40.0	57.0	700496	711642	701191	706992	706993
DN050	60.3 x 2.0	60.3	56.3	116.0	40.0	76.0	700498	711643	701195	706994	706995
DN065	76.1 x 2.0	76.1	72.1	150.0	55.0	95.0	700501	711644	701201	706996	706997
DN080	88.9 x 2.3	88.9	84.3	169.5	55.0	114.5	700504	711645	701207	706998	706999
DN100	114.3 x 2.3	114.3	109.7	207.5	55.0	152.5	702146	711646	701171	707000	707001
DN125	139.7 x 2.6	139.7	134.5	245.5	55.0	190.5	707755	711647	707757	**	**
DN150	168.3 x 2.6	168.3	163.1	283.5	55.0	228.5	707758	711648	707760	**	**
DN200	219.1 x 2.6	219.1	213.9	385.0	80.0	305.0	**	**	**	**	**

ASME BPE	Abmessung dimension	A	B	C	C1	R	STERI-line®			HQ-line®	
							MB	K400	e-pol.	K400	e-pol.
DN ¼"	6.35 x 0.89	6.35	4.57	66.7	41.3	25.4	710835	711676	710841	710844	710847
DN ⅜"	9.53 x 0.89	9.53	7.75	66.7	41.3	25.4	710836	711677	710842	710845	710848
DN ½"	12.7 x 1.65	12.7	9.4	76.2	50.8	25.4	702584	711678	703104	707002	707003
DN ¾"	19.05 x 1.65	19.05	15.75	76.2	50.8	25.4	702585	711679	703112	707004	707005
DN 1"	25.4 x 1.65	25.4	22.1	76.2	38.1	38.1	702586	711680	703100	707006	707007
DN 1½"	38.1 x 1.65	38.1	34.8	95.3	38.1	57.2	702587	711681	703102	707008	707009
DN 2"	50.8 x 1.65	50.8	47.5	120.7	44.5	76.2	702588	711682	703106	707010	707011
DN 2½"	63.5 x 1.65	63.5	60.2	139.7	44.4	95.3	702589	711683	703108	707012	707013
DN 3"	76.2 x 1.65	76.2	72.9	158.8	44.5	114.3	702590	711684	703110	707014	707015
DN 4"	101.6 x 2.11	101.6	97.38	203.2	50.8	152.4	705012	711685	705015	707016	707017
DN 6"	152.4 x 2.77	152.4	146.86	292.1	63.5	228.6	710837	711686	710843	710846	710849

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request



4.2 STERI-Bo® 60° / HQ-Bo® 60°

Bogen mit Orbitalschweißenden, in Anlehnung an DIN 11865-BL

elbows for orbital welding, following DIN 11865-BL

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- C1 zylindrische Länge
- R Radius

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative Verweisungen,

Anforderungen / Abnahmen (Vormaterial)

- DIN 11865
- DIN 11866
- BN2
- EN 10204
- EN 10088-1
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

EN ISO 1127

Verpackung

Schweißenden mit Kunststoffkappen verschlossen, einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

	K400 H3o Ra < 0.8 µm	e-pol. HE3o Ra < 0.5-0.8 µm
innen geschliffen		
innen e-poliert		
außen geschliffen		

Key

- external diameter
- internal diameter
- total length
- cylindrical length
- radius

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative References,

Requirements / Approvals (raw material)

- DIN 11865
- DIN 11866
- BN2
- EN 10204
- EN 10088-1
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

EN ISO 1127

Packaging

Welding ends covered with plastic caps, wrapped separately.

Materials

316L

further materials on request

Surface condition

	K400 H4o Ra < 0.4 µm	e-pol. HE5o Ra < 0.25 µm
inside mech. polished		
inside e-polished		
outside mech. polished		

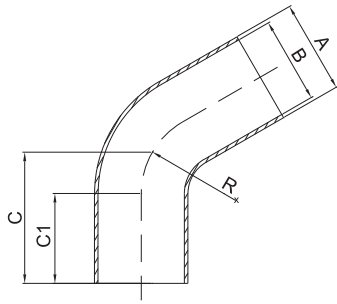


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
HQ-Bo® 60° DN025 ISO (1.4435) elbow 60°	707922
e-poliert e-polished	
Ra < 0.4 µm	+ 999281



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	C1	R	STERI-line®		HQ-line®	
							K400	e-pol.	K400	e-pol.
DN004	6.0 x 1.0	6.0	4.0	33.3	25.0	22.0	*	*	*	*
DN006	8.0 x 1.0	8.0	6.0	33.3	25.0	22.0	*	*	*	*
DN008	10.0 x 1.0	10.0	8.0	35.4	25.0	25.0	*	*	*	*
DN010	12.0 x 1.0	12.0	10.0	35.8	25.0	26.0	708523	708524	*	*
DN010	13.0 x 1.5	13.0	10.0	35.8	25.0	26.0	708525	708526	*	*
DN015	19.0 x 1.5	19.0	16.0	39.5	25.0	35.0	708527	708528	*	*
DN020	23.0 x 1.5	23.0	20.0	41.6	25.0	40.0	708529	708530	*	*
DN025	29.0 x 1.5	29.0	26.0	60.7	40.0	50.0	708531	708532	*	*
DN032	35.0 x 1.5	35.0	32.0	62.8	40.0	55.0	708533	708534	*	*
DN040	41.0 x 1.5	41.0	38.0	64.9	40.0	60.0	708535	708536	*	*
DN050	53.0 x 1.5	53.0	50.0	69.0	40.0	70.0	708537	708538	*	*
DN065	70.0 x 2.0	70.0	66.0	73.1	40.0	80.0	708539	708540	*	*
DN080	85.0 x 2.0	85.0	81.0	92.3	55.0	90.0	708541	708542	*	*
DN100	104.0 x 2.0	104.0	100.0	96.4	55.0	100.0	708543	708544	*	*
DN125	129.0 x 2.0	129.0	125.0	160.2	82.5	187.5	*	*	*	*
DN150	154.0 x 2.0	154.0	150.0	193.2	100.0	225.0	*	*	*	*
DN200	204.0 x 2.0	204.0	200.0	224.3	100.0	300.0	*	*	*	*

ISO	Abmessung dimension	A	B	C	C1	R	STERI-line®		HQ-line®	
							K400	e-pol.	K400	e-pol.
DN008	13.5 x 1.6	13.5	10.3	33.3	25.0	20.0	707907	707918	*	*
DN010	17.2 x 1.6	17.2	14.0	36.6	25.0	28.0	707908	707919	*	*
DN015	21.3 x 1.6	21.3	18.1	37.4	25.0	30.0	707909	707920	*	*
DN020	26.9 x 1.6	26.9	23.7	51.8	40.0	28.5	707910	707921	*	*
DN025	33.7 x 2.0	33.7	29.7	55.7	40.0	38.0	707911	707922	*	*
DN032	42.4 x 2.0	42.4	38.4	59.7	40.0	47.5	707912	707923	*	*
DN040	48.3 x 2.0	48.3	44.3	63.6	40.0	57.0	707913	707924	*	*
DN050	60.3 x 2.0	60.3	56.3	71.5	40.0	76.0	707914	707925	*	*
DN065	76.1 x 2.0	76.1	72.1	94.4	55.0	95.0	707915	707926	*	*
DN080	88.9 x 2.3	88.9	84.3	102.4	55.0	114.5	707916	707927	*	*
DN100	114.3 x 2.3	114.3	109.7	118.2	55.0	152.5	707917	707928	*	*
DN125	139.7 x 2.6	139.7	134.5	133.9	55.0	190.5	*	*	*	*
DN150	168.3 x 2.6	168.3	163.1	149.7	55.0	228.5	*	*	*	*
DN200	219.1 x 2.6	219.1	213.9	206.3	80.0	305.0	*	*	*	*

ASME BPE	Abmessung dimension	A	B	C	C1	R	STERI-line®		HQ-line®	
							K400	e-pol.	K400	e-pol.
DN ¼"	6.35 x 0.89	6.35	4.57	50.8	40.3	25.4	*	*	*	*
DN ⅜"	9.53 x 0.89	9.53	7.75	50.8	40.3	25.4	*	*	*	*
DN ½"	12.7 x 1.65	12.7	9.4	57.2	46.7	25.4	710870	710878	*	*
DN ¾"	19.05 x 1.65	19.05	15.75	57.2	46.7	25.4	710871	710879	*	*
DN 1"	25.4 x 1.65	25.4	22.1	57.2	41.4	38.1	710872	710880	*	*
DN 1½"	38.1 x 1.65	38.1	34.8	63.5	39.8	57.2	710873	710881	*	*
DN 2"	50.8 x 1.65	50.8	47.5	76.2	44.6	76.2	710874	710882	*	*
DN 2½"	63.5 x 1.65	63.5	60.2	85.7	47.0	95.3	710875	710883	*	*
DN 3"	76.2 x 1.65	76.2	72.9	92.1	44.8	114.3	710876	710884	*	*
DN 4"	101.6 x 2.11	101.6	97.38	114.3	51.2	152.4	710877	710885	*	*
DN 6"	152.4 x 2.77	152.4	146.86	158.8	64.1	228.6	*	*	*	*

*) auf Anfrage | on request



4.3 STERI-Bo® 45° / HQ-Bo® 45° DIN 11865-BL-45

Bogen mit Orbitalschweißenden

elbows for orbital welding

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- C1 zylindrische Länge
- R Radius

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative Verweisungen,

Anforderungen / Abnahmen (Vormaterial)

- DIN 11865
- DIN 11866
- BN2
- EN 10204
- EN 10088-1
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze,
DIN 11865

Toleranzen (Bezugsnorm)

DIN 11865 / EN ISO 1127

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

	 MB H2 Ra > 0.8 µm	K400 H3o Ra < 0.8 µm	e-pol. HE3o Ra < 0.5-0.8 µm
innen metallblank			
innen geschliffen			
innen e-poliert			
außen metallblank			
außen geschliffen			

Key

- external diameter
- internal diameter
- total length
- cylindrical length
- radius

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative References,

Requirements / Approvals (raw material)

- DIN 11865
- DIN 11866
- BN2
- EN 10204
- EN 10088-1
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Marking

manufacturer, material, dimension, heat,
DIN 11865

Tolerances (reference standard)

DIN 11865 / EN ISO 1127

Packaging

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L

further materials on request

Surface condition

	 K400 H4o Ra < 0.4 µm	e-pol. HE5o Ra < 0.25 µm
inside bright finish		
inside mech. polished		
inside e-polished		
outside bright finish		
outside mech. polished		

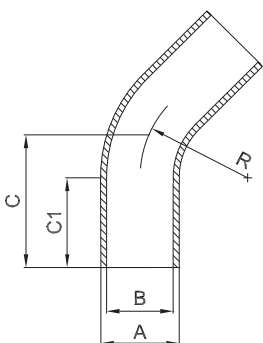


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
HQ-Bo® 45° DN025 ISO (1.4435) DIN 11865-BL elbow 45°	706929
e-polier e-polished	
Ra < 0.4 µm	+ 999281



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	C1	R	STERI-line®			HQ-line®	
							MB	K400	e-pol.	K400	e-pol.
DN004*	6.0 x 1.0	6.0	4.0	33.3	25.0	22.0	704362	711513	704364	709511	709512
DN006	8.0 x 1.0	8.0	6.0	33.3	25.0	20.0*	700477	711514	702152	709513	709514
DN008	10.0 x 1.0	10.0	8.0	35.4	25.0	25.0	702143	711515	701153	709515	709516
DN010*	12.0 x 1.0	12.0	10.0	35.8	25.0	26.0	700461	711516	701121	706898	706899
DN010	13.0 x 1.5	13.0	10.0	35.8	25.0	26.0	704368	711517	704370	706900	706901
DN015	19.0 x 1.5	19.0	16.0	39.5	25.0	35.0	700465	711518	701129	706902	706903
DN020	23.0 x 1.5	23.0	20.0	41.6	25.0	40.0	700467	711519	701133	706904	706905
DN025	29.0 x 1.5	29.0	26.0	60.7	40.0	50.0	700469	711520	701137	706906	706907
DN032	35.0 x 1.5	35.0	32.0	62.8	40.0	55.0	700471	711521	701141	706908	706909
DN040	41.0 x 1.5	41.0	38.0	64.9	40.0	60.0	700473	711522	701145	706910	706911
DN050	53.0 x 1.5	53.0	50.0	69.0	40.0	70.0	700475	711523	701149	706912	706913
DN065	70.0 x 2.0	70.0	66.0	73.1	40.0	80.0	700478	711524	701155	706914	706915
DN080	85.0 x 2.0	85.0	81.0	92.3	55.0	90.0	700481	711525	701161	706916	706917
DN100	104.0 x 2.0	104.0	100.0	96.4	55.0	100.0	700463	711526	701125	706918	706919
DN125	129.0 x 2.0	129.0	125.0	160.2	82.5	187.5	709363	711527	709365	**	**
DN150	154.0 x 2.0	154.0	150.0	193.2	100.0	225.0	710853	711528	710855	**	**
DN200	204.0 x 2.0	204.0	200.0	224.3	100.0	300.0	**	**	**	**	**

ISO	Abmessung dimension	A	B	C	C1	R	STERI-line®			HQ-line®	
							MB	K400	e-pol.	K400	e-pol.
DN008	13.5 x 1.6	13.5	10.3	33.3	25.0	20.0	700480	711612	701159	706920	706921
DN010	17.2 x 1.6	17.2	14.0	36.6	25.0	28.0	700462	711613	701123	706922	706923
DN015	21.3 x 1.6	21.3	18.1	37.4	25.0	30.0	700466	711614	701131	706924	706925
DN020	26.9 x 1.6	26.9	23.7	51.8	40.0	28.5	700468	711615	701135	706926	706927
DN025	33.7 x 2.0	33.7	29.7	55.7	40.0	38.0	700470	711616	701139	706928	706929
DN032	42.4 x 2.0	42.4	38.4	59.7	40.0	47.5	700472	711617	701143	706930	706931
DN040	48.3 x 2.0	48.3	44.3	63.6	40.0	57.0	700474	711618	701147	706932	706933
DN050	60.3 x 2.0	60.3	56.3	71.5	40.0	76.0	700476	711619	701151	706934	706935
DN065	76.1 x 2.0	76.1	72.1	94.4	55.0	95.0	700479	711620	701157	706936	706937
DN080	88.9 x 2.3	88.9	84.3	102.4	55.0	114.5	700482	711621	701163	706938	706939
DN100	114.3 x 2.3	114.3	109.7	118.2	55.0	152.5	702161	711622	701127	706940	706941
DN125	139.7 x 2.6	139.7	134.5	133.9	55.0	190.5	707749	711623	707751	**	**
DN150	168.3 x 2.6	168.3	163.1	149.7	55.0	228.5	707752	711624	707754	**	**
DN200	219.1 x 2.6	219.1	213.9	206.3	80.0	305.0	**	**	**	**	**

ASME BPE	Abmessung dimension	A	B	C	C1	R	STERI-line®			HQ-line®	
							MB	K400	e-pol.	K400	e-pol.
DN ¼"	6.35 x 0.89	6.35	4.57	50.8	40.3	25.4	710856	711657	710861	710864	710867
DN ⅜"	9.53 x 0.89	9.53	7.75	50.8	40.3	25.4	710857	711658	710862	710865	710868
DN ½"	12.7 x 1.65	12.7	9.4	57.2	46.7	25.4	703221	711659	703223	706942	706943
DN ¾"	19.05 x 1.65	19.05	15.75	57.2	46.7	25.4	703233	711660	703235	706944	706945
DN 1"	25.4 x 1.65	25.4	22.1	57.2	41.4	38.1	703215	711661	703217	706946	706947
DN 1½"	38.1 x 1.65	38.1	34.8	63.5	39.8	57.2	703218	711662	703220	706948	706949
DN 2"	50.8 x 1.65	50.8	47.5	76.2	44.6	76.2	703224	711663	703226	706950	706951
DN 2½"	63.5 x 1.65	63.5	60.2	85.7	47.0	95.3	703227	711664	703229	706952	706953
DN 3"	76.2 x 1.65	76.2	72.9	92.1	44.8	114.3	703230	711665	703232	706954	706955
DN 4"	101.6 x 2.11	101.6	97.38	114.3	51.2	152.4	705011	711666	705016	706956	706957
DN 6"	152.4 x 2.77	152.4	146.86	158.8	64.1	228.6	710858	711667	710863	710866	710869

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request



4.4 STERI-Bo® 30° / HQ-Bo® 30°

Bogen mit Orbitalschweißenden, in Anlehnung an DIN 11865-BL

elbows for orbital welding, following DIN 11865-BL

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- C1 zylindrische Länge
- R Radius

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative Verweisungen,

Anforderungen / Abnahmen (Vormaterial)

- DIN 11865
- DIN 11866
- BN2
- EN 10204
- EN 10088-1
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

EN ISO 1127

Verpackung

Schweißenden mit Kunststoffkappen verschlossen, einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

	K400 H3o Ra < 0.8 µm	e-pol. HE3o Ra < 0.5-0.8 µm
innen geschliffen		
innen e-poliert		
außen geschliffen		

Key

- external diameter
- internal diameter
- total length
- cylindrical length
- radius

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative References,

Requirements / Approvals (raw material)

- DIN 11865
- DIN 11866
- BN2
- EN 10204
- EN 10088-1
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

EN ISO 1127

Packaging

Welding ends covered with plastic caps, wrapped separately.

Materials

316L

further materials on request

Surface condition

	K400 H4o Ra < 0.4 µm	e-pol. HE5o Ra < 0.25 µm
inside mech. polished		
inside e-polished		
outside mech. polished		

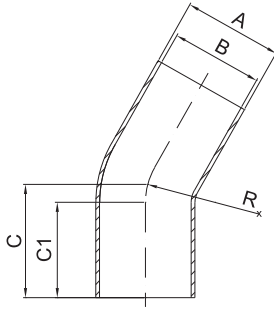


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
STERI-Bo® 30° DN025 ISO (1.4435) elbow 30°	707900
e-poliert e-polished	
Ra < 0.5 µm	+ 999280



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	C1	R	STERI-line®		HQ-line®	
							K400	e-pol.	K400	e-pol.
DN004	6.0 x 1.0	6.0	4.0	33.3	25.0	22.0	*	*	*	*
DN006	8.0 x 1.0	8.0	6.0	33.3	25.0	22.0	*	*	*	*
DN008	10.0 x 1.0	10.0	8.0	35.4	25.0	25.0	*	*	*	*
DN010	12.0 x 1.0	12.0	10.0	35.8	25.0	26.0	707180	707874	*	*
DN010	13.0 x 1.5	13.0	10.0	35.8	25.0	26.0	707865	707875	*	*
DN015	19.0 x 1.5	19.0	16.0	39.5	25.0	35.0	707866	707876	*	*
DN020	23.0 x 1.5	23.0	20.0	41.6	25.0	40.0	706071	707877	*	*
DN025	29.0 x 1.5	29.0	26.0	60.7	40.0	50.0	707867	707878	*	*
DN032	35.0 x 1.5	35.0	32.0	62.8	40.0	55.0	707868	707879	*	*
DN040	41.0 x 1.5	41.0	38.0	64.9	40.0	60.0	707869	707880	*	*
DN050	53.0 x 1.5	53.0	50.0	69.0	40.0	70.0	707870	707881	*	*
DN065	70.0 x 2.0	70.0	66.0	73.1	40.0	80.0	707871	707882	*	*
DN080	85.0 x 2.0	85.0	81.0	92.3	55.0	90.0	707872	707883	*	*
DN100	104.0 x 2.0	104.0	100.0	96.4	55.0	100.0	707873	707884	*	*
DN125	129.0 x 2.0	129.0	125.0	160.2	82.5	187.5	*	*	*	*
DN150	154.0 x 2.0	154.0	150.0	193.2	100.0	225.0	*	*	*	*
DN200	204.0 x 2.0	204.0	200.0	224.3	100.0	300.0	*	*	*	*

ISO	Abmessung dimension	A	B	C	C1	R	STERI-line®		HQ-line®	
							K400	e-pol.	K400	e-pol.
DN008	13.5 x 1.6	13.5	10.3	33.3	25.0	20.0	707885	707896	*	*
DN010	17.2 x 1.6	17.2	14.0	36.6	25.0	28.0	707886	707897	*	*
DN015	21.3 x 1.6	21.3	18.1	37.4	25.0	30.0	707887	707898	*	*
DN020	26.9 x 1.6	26.9	23.7	51.8	40.0	28.5	707888	707899	*	*
DN025	33.7 x 2.0	33.7	29.7	55.7	40.0	38.0	707889	707900	*	*
DN032	42.4 x 2.0	42.4	38.4	59.7	40.0	47.5	707890	707901	*	*
DN040	48.3 x 2.0	48.3	44.3	63.6	40.0	57.0	707891	707902	*	*
DN050	60.3 x 2.0	60.3	56.3	71.5	40.0	76.0	707892	707903	*	*
DN065	76.1 x 2.0	76.1	72.1	94.4	55.0	95.0	707893	707904	*	*
DN080	88.9 x 2.3	88.9	84.3	102.4	55.0	114.5	707894	707905	*	*
DN100	114.3 x 2.3	114.3	109.7	118.2	55.0	152.5	707895	707906	*	*
DN125	139.7 x 2.6	139.7	134.5	133.9	55.0	190.5	*	*	*	*
DN150	168.3 x 2.6	168.3	163.1	149.7	55.0	228.5	*	*	*	*
DN200	219.1 x 2.6	219.1	213.9	206.3	80.0	305.0	*	*	*	*

ASME BPE	Abmessung dimension	A	B	C	C1	R	STERI-line®		HQ-line®	
							K400	e-pol.	K400	e-pol.
DN ¼"	6.35 x 0.89	6.35	4.57	50.8	40.3	25.4	*	*	*	*
DN ⅜"	9.53 x 0.89	9.53	7.75	50.8	40.3	25.4	*	*	*	*
DN ½"	12.7 x 1.65	12.7	9.4	57.2	46.7	25.4	710886	710894	*	*
DN ¾"	19.05 x 1.65	19.05	15.75	57.2	46.7	25.4	710887	710895	*	*
DN 1"	25.4 x 1.65	25.4	22.1	57.2	41.4	38.1	710888	710896	*	*
DN 1½"	38.1 x 1.65	38.1	34.8	63.5	39.8	57.2	710889	710897	*	*
DN 2"	50.8 x 1.65	50.8	47.5	76.2	44.6	76.2	710890	710898	*	*
DN 2½"	63.5 x 1.65	63.5	60.2	85.7	47.0	95.3	710891	710899	*	*
DN 3"	76.2 x 1.65	76.2	72.9	92.1	44.8	114.3	710892	710900	*	*
DN 4"	101.6 x 2.11	101.6	97.38	114.3	51.2	152.4	710893	710901	*	*
DN 6"	152.4 x 2.77	152.4	146.86	158.8	64.1	228.6	*	*	*	*

*) auf Anfrage | on request

**Legende**

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- C1 zylindrische Länge
- R Radius

Abmessungen

DIN 11866-A (DIN 11850)

Normative Verweisungen,**Anforderungen / Abnahmen (Vormaterial)**

DIN 11850 ("BC")
DIN 11852
EN 10204
EN 10088-1

Kennzeichnung

Werkstoff (W (geschweißt) oder S (nahtlos)),
Abmessung, Schmelze

Toleranzen (Bezugsnorm)

DIN 11852 / ISO 2768-1

Verpackung

Folienverpackung

auf Wunsch:

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4404

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB/MB")**

innen und außen metallblank

! Die Rauheit der Innenoberfläche kann im
Umformbereich das bis zu 2.5-fache des
eingesetzten Rohres ($R_a < 0.8/1.6 \mu\text{m}$) betragen !

Key

- external diameter
- internal diameter
- total length
- cylindrical length
- radius

Dimensions

DIN 11866-A (DIN 11850)

Normative References,**Requirements / Approvals (raw material)**

DIN 11850 ("BC")
DIN 11852
EN 10204
EN 10088-1

Marking

material (W (welded) or S (seamless)),
dimension, heat

Tolerances (reference standard)

DIN 11852 / ISO 2768-1

Packaging

foil wrapping

on demand:

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L

further materials on request**Surface condition ("MB/MB")**

inside and outside bright finish

! The internal surface roughness in the bending
area could increase up to 2.5 times of the raw
material ($R_a < 0.8/1.6 \mu\text{m}$)!

MB/MB Innen- und Außenoberfläche unbearbeitet | raw internal and external surface finish

MB/K400 Innenoberfläche unbearbeitet, außen geschliffen K400 | raw internal surface, outside mech. polished K400

K400/K400 Innen- und Außenoberfläche geschliffen K400 | internal and external surface mech. polished K400

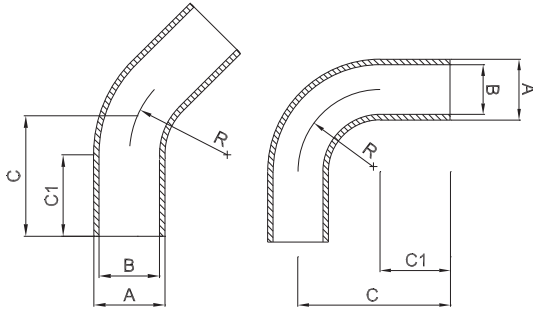
e-pol./K400 Innenoberfläche elektropoliert, außen geschliffen K400 | internal surface electropolished, outside mech. polished K400

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
$R_a < 0.8 \mu\text{m}$ (STERI-line®)	999284
$R_a < 0.6 \mu\text{m}$ (STERI-line®)	999279
$R_a < 0.5 \mu\text{m}$ (STERI-line®)	999280
$R_a < 0.4 \mu\text{m}$ (HQ-line®)	999281
$R_a < 0.25 \mu\text{m}$ (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
MEDI-Bo® 90° DN025 DIN (1.4404) DIN 11852-BL elbow 90°	705356
e-poliert e-polished	
$R_a < 0.4 \mu\text{m}$	+ 999281



weitere Abmessungen auf Anfrage | further dimensions on request

DIN 90°	Abmessung dimension	A	B	C	C1	R	MEDI-line®			
							MB/MB	MB/K400	K400/K400	e-pol./K400
DN010	13.0 x 1.5	13.0	10.0	51.0	25.0	26.0	704122	705346	711414	705350
DN015	19.0 x 1.5	19.0	16.0	60.0	25.0	35.0	704424	702978	711415	705352
DN020	23.0 x 1.5	23.0	20.0	65.0	25.0	40.0	702900	705347	711416	705354
DN025	29.0 x 1.5	29.0	26.0	90.0	40.0	50.0	702894	702864	711417	705356
DN032	35.0 x 1.5	35.0	32.0	95.0	40.0	55.0	702901	705348	711418	705358
DN040	41.0 x 1.5	41.0	38.0	100.0	40.0	60.0	703013	704502	711419	705360
DN050	53.0 x 1.5	53.0	50.0	110.0	40.0	70.0	702895	703490	711420	705362
DN065	70.0 x 2.0	70.0	66.0	120.0	40.0	80.0	702897	704431	711421	705364
DN080	85.0 x 2.0	85.0	81.0	145.0	55.0	90.0	702896	704201	711422	705366
DN100	104.0 x 2.0	104.0	100.0	155.0	55.0	100.0	703034	705349	711423	705368
DN125	129.0 x 2.0	129.0	125.0	245.0	57.5	187.5	702149	702150	711424	701169

DIN 45°	Abmessung dimension	A	B	C	C1	R	MEDI-line®			
							MB/MB	MB/K400	K400/K400	e-pol./K400
DN010	13.0 x 1.5	13.0	10.0	35.8	25.0	26.0	705336	705337	711403	705351
DN015	19.0 x 1.5	19.0	16.0	39.5	25.0	35.0	702893	705338	711404	705353
DN020	23.0 x 1.5	23.0	20.0	41.6	25.0	40.0	702891	705339	711405	705355
DN025	29.0 x 1.5	29.0	26.0	60.7	40.0	50.0	702887	705340	711406	705357
DN032	35.0 x 1.5	35.0	32.0	62.8	40.0	55.0	702888	705341	711407	705359
DN040	41.0 x 1.5	41.0	38.0	64.9	40.0	60.0	702583	704554	711408	705361
DN050	53.0 x 1.5	53.0	50.0	69.0	40.0	70.0	702889	705342	711409	705363
DN065	70.0 x 2.0	70.0	66.0	73.1	40.0	80.0	703060	705343	711410	705365
DN080	85.0 x 2.0	85.0	81.0	92.3	55.0	90.0	702892	705344	711411	705367
DN100	104.0 x 2.0	104.0	100.0	96.4	55.0	100.0	702591	705345	711412	705369
DN125	129.0 x 2.0	129.0	125.0	135.2	57.5	187.5	702158	702159	711413	702160

**Legende**

- A Außendurchmesser
B Innendurchmesser
R Radius

Abmessungen

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)

**Normative Verweisungen,
Anforderungen / Abnahmen (Vormaterial)**

DIN 2609
DIN 11850
DIN 11852
EN 10204
EN 10088-1

Kennzeichnung

Werkstoff (W (geschweißt) oder S (nahtlos)),
Abmessung, Schmelze

Toleranzen (Bezugsnorm)

DIN 11852 / ISO 2768-1 / DIN 2605

Verpackung

Folienverpackung

auf Wunsch:

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4404

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB/MB")**

innen und außen metallblank

! Die Rauheit der Innenoberfläche kann im
Umformbereich das bis zu 2.5-fache des
eingesetzten Rohres betragen !

Key

external diameter
internal diameter
radius

Dimensions

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)

**Normative References,
Requirements / Approvals (raw material)**

DIN 2609
DIN 11850
DIN 11852
EN 10204
EN 10088-1

Marking

material (W (welded) or S (seamless)),
dimension, heat

Tolerances (reference standard)

DIN 11852 / ISO 2768-1 / DIN 2605

Packaging

foil wrapping

on demand:

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L

further materials on request**Surface condition ("MB/MB")**

inside and outside bright finish

! The internal surface roughness in the bending
area could increase up to 2.5 times of the raw material !

MB/MB Innen- und Außenoberfläche unbearbeitet | raw internal and external surface finish

MB/K400 Innenoberfläche unbearbeitet, außen geschliffen K400 | raw internal surface, outside mech. polished K400

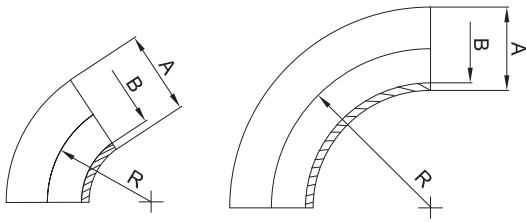
K400/K400 Innen- und Außenoberfläche geschliffen K400 | internal and external surface mech. polished K400

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
Ra < 0.8 µm (STERI-line®)	999284
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Bogen 90° DN025 ISO DIN 2605-1-90-3 (1.4404) elbow 90°	706753
e-poliert e-polished	+ 999277
Ra < 0.4 µm	+ 999281



weitere Abmessungen auf Anfrage | further dimensions on request

DIN DIN 11852	Abmessung dimension	A	B	R			MB/MB	90°		45°
								MB/K400	K400/K400	
DN010	13.0 x 1.5	13.0	10.0	26.0			710913	709303	710916	712112
DN015	19.0 x 1.5	19.0	16.0	35.0			701632	701643	701654	701665
DN020	23.0 x 1.5	23.0	20.0	40.0			701633	701644	701655	701666
DN025	29.0 x 1.5	29.0	26.0	50.0			701634	701645	701656	701667
DN032	35.0 x 1.5	35.0	32.0	55.0			701635	701646	701657	701668
DN040	41.0 x 1.5	41.0	38.0	60.0			701636	701647	701658	701669
DN050	53.0 x 1.5	53.0	50.0	70.0			701637	701648	701659	701670
DN065	70.0 x 2.0	70.0	66.0	80.0			701638	701649	701660	701671
DN080	85.0 x 2.0	85.0	81.0	90.0			701639	701650	701661	701672
DN100	104.0 x 2.0	104.0	100.0	100.0			701640	701651	701662	701673
DN125	129.0 x 2.0	129.0	125.0	187.5			701641	701652	701663	701674
DN150	154.0 x 2.0	154.0	150.0	225.0			701642	701653	701664	701675
DN200	204.0 x 2.0	204.0	200.0	300.0			710914	710915	710917	712145

ISO DIN 2605	Abmessung dimension	A	B	R			MB/MB	90°		45°
								MB/K400	K400/K400	
DN008*	13.5 x 1.6	13.5	10.3	20.0			712149	712150	712151	701736
DN010*	17.2 x 1.6	17.2	14.0	27.5			712141	712142	712143	701737
DN015	21.3 x 1.6	21.3	18.1	28.0			706747	706748	706749	701738
DN020	26.9 x 1.6	26.9	23.7	29.0			706750	706751	706752	701739
DN025	33.7 x 2.0	33.7	29.7	38.0			706753	706754	706755	701740
DN032	42.4 x 2.0	42.4	38.4	48.0			706756	706757	706758	701741
DN040	48.3 x 2.0	48.3	44.3	57.0			701704	706759	706760	701742
DN050	60.3 x 2.0	60.3	56.3	76.0			701706	701717	701730	701743
DN065	76.1 x 2.0	76.1	72.1	95.0			701705	701718	701731	701744
DN080	88.9 x 2.3	88.9	84.3	114.0			702469	701719	701732	701745
DN100	114.3 x 2.6	114.3	109.1	152.0			701707	701720	701733	701746
DN125	139.7 x 2.6	139.7	134.5	190.0			701708	701721	701734	701747
DN150	168.3 x 2.6	168.3	163.1	229.0			701709	701722	701735	701748

*) nicht in der DIN-Norm enthalten | non-standard

weitere Ausführungen/Werkstoffe (z.B. 1.4435) sind ebenfalls ab Lager lieferbar
further variants/materials (e.g. 1.4435) are also consignable from stock




5. T- / Kreuz-Stücke

Tees / Cross pieces

		Seite page
5.1	STERI-T® / HQ-T® DIN 11865-T Steril T-Stück -lang/egal- aseptic tee -long/equal-	109
5.2	STERI-TK® / HQ-TK® DIN 11865-TK Steril T-Stück -kurz/egal- aseptic tee -short/equal-	111
5.3	STERI-TR® / HQ-TR® DIN 11865-T Steril T-Stück -lang/reduziert- aseptic tee -long/reduced-	113
5.4	STERI-TKR® / HQ-TKR® DIN 11865-TK Steril T-Stück -kurz/reduziert- aseptic tee -short/reduced-	118
5.5	MEDI-T® DIN 11852-TS Hygiene T-Stück -lang/egal- hygienic tee -long/equal-	122
5.6	MEDI-TK® DIN 11852-TK Hygiene T-Stück -kurz/egal- hygienic tee -short/equal-	124
5.7	STERI-Cross® / HQ-Cross® Steril Kreuz-Stück -lang/egal- aseptic cross piece -long/equal-	126
5.8	STERI-Cross® K / HQ-Cross® K Steril Kreuz-Stück -kurz/egal- aseptic cross piece -short/equal-	128



5.1 STERI-T® / HQ-T® DIN 11865-T

Steril T-Stück -lang/egal-

aseptic tee -long/equal-

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- C/2 Länge Abgang

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

- DIN 11865
- DIN 11866
- BN2
- EN 10088-1
- EN 10204
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Kennzeichnung

- Hersteller, Werkstoff, Abmessung, Schmelze,
- DIN 11865

Toleranzen (Bezugsnorm)

- DIN 11865 / EN ISO 1127

Verpackung

- Schweißenden mit Kunststoffkappen verschlossen,
- einzeln verpackt.

Werkstoffe

- 1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

		MB H2 Ra > 0.8 µm	K400 H3o Ra < 0.8 µm	e-pol. HE3o Ra < 0.5-0.8 µm
innen metallblank				
innen geschliffen				
innen e-poliert				
außen metallblank				
außen geschliffen				

Key

- external diameter
- internal diameter
- total length
- length of the branch

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

- DIN 11865
- DIN 11866
- BN2
- EN 10088-1
- EN 10204
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Marking

- manufacturer, material, dimension, heat,
- DIN 11865

Tolerances (reference standard)

- DIN 11865 / EN ISO 1127

Packaging

- Welding ends covered with plastic caps,
- wrapped separately.

Materials

- 316L

further materials on request

Surface condition

		K400 H4o Ra < 0.4 µm	e-pol. HE5o Ra < 0.25 µm
inside bright finish			
inside mech. polished			
inside e-polished			
outside bright finish			
outside mech. polished			

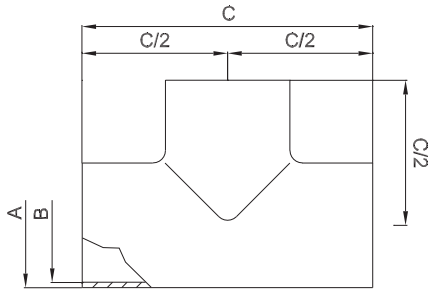


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
STERI-T® DN025 ISO (1.4435) DIN 11865-T aseptic tee -long/equal-	701227
e-polier e-polished	
Ra < 0.8 µm	



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	C/2		STERI-line®			HQ-line®	
							MB	K400	e-pol.	K400	e-pol.
DN004*	6.0 x 1.0	6.0	4.0	60.0	30.0		703819	711290	711291	711098	711101
DN006	8.0 x 1.0	8.0	6.0	60.0	30.0		700521	701240	701241	711099	711102
DN008	10.0 x 1.0	10.0	8.0	60.0	30.0		705208	705209	705210	711100	711103
DN010*	12.0 x 1.0	12.0	10.0	70.0	35.0		700505	701208	701209	707018	707019
DN010	13.0 x 1.5	13.0	10.0	70.0	35.0		705380	705383	705384	707020	707021
DN015	19.0 x 1.5	19.0	16.0	70.0	35.0		700509	701216	701217	707022	707023
DN020	23.0 x 1.5	23.0	20.0	80.0	40.0		700511	701220	701221	707024	707025
DN025	29.0 x 1.5	29.0	26.0	100.0	50.0		700513	701224	701225	707026	707027
DN032	35.0 x 1.5	35.0	32.0	110.0	55.0		700515	701228	701229	707028	707029
DN040	41.0 x 1.5	41.0	38.0	120.0	60.0		700517	701232	701233	707030	707031
DN050	53.0 x 1.5	53.0	50.0	160.0	80.0		700519	701236	701237	707032	707033
DN065	70.0 x 2.0	70.0	66.0	210.0	105.0		700522	701242	701243	707034	707035
DN080	85.0 x 2.0	85.0	81.0	260.0	130.0		700525	701248	701249	707036	707037
DN100	104.0 x 2.0	104.0	100.0	310.0	155.0		700507	701212	701213	707038	707039
DN125	129.0 x 2.0	129.0	125.0	375.0	187.5		702177	702178	702179	**	**
DN150	154.0 x 2.0	154.0	150.0	450.0	225.0		702189	702190	702191	**	**
DN200	204.0 x 2.0	204.0	200.0	600.0	300.0		711292	711293	711294	**	**

ISO	Abmessung dimension	A	B	C	C/2		STERI-line®			HQ-line®	
							MB	K400	e-pol.	K400	e-pol.
DN008	13.5 x 1.6	13.5	10.3	64.0	32.0		700524	701246	701247	707040	706464
DN010	17.2 x 1.6	17.2	14.0	68.0	34.0		700506	701210	701211	707041	707042
DN015	21.3 x 1.6	21.3	18.1	72.0	36.0		700510	701218	701219	707043	707044
DN020	26.9 x 1.6	26.9	23.7	110.0	55.0		700512	701222	701223	707045	707046
DN025	33.7 x 2.0	33.7	29.7	120.0	60.0		700514	701226	701227	707047	707048
DN032	42.4 x 2.0	42.4	38.4	130.0	65.0		700516	701230	701231	707049	707050
DN040	48.3 x 2.0	48.3	44.3	130.0	65.0		700518	701234	701235	707051	707052
DN050	60.3 x 2.0	60.3	56.3	180.0	90.0		700520	701238	701239	707053	707054
DN065	76.1 x 2.0	76.1	72.1	220.0	110.0		700523	701244	701245	707055	707056
DN080	88.9 x 2.3	88.9	84.3	260.0	130.0		700526	701250	701251	707057	707058
DN100	114.3 x 2.3	114.3	109.7	320.0	160.0		702184	702199	701215	707059	707060
DN125	139.7 x 2.6	139.7	134.5	400.0	200.0		700508	702180	702181	**	**
DN150	168.3 x 2.6	168.3	163.1	500.0	250.0		702192	701214	702193	**	**
DN200	219.1 x 2.6	219.1	213.9	600.0	300.0		**	**	**	**	**

ASME BPE	Abmessung dimension	A	B	C	C/2		STERI-line®			HQ-line®	
							MB	K400	e-pol.	K400	e-pol.
DN ¼"	6.35 x 0.89	6.35	4.57	89.0	44.5		708999	711295	711296	711303	711304
DN ⅜"	9.53 x 0.89	9.53	7.75	89.0	44.5		711297	711298	711299	711305	711306
DN ½"	12.7 x 1.65	12.7	9.4	95.2	47.6		702592	704995	705003	707061	707062
DN ¾"	19.05 x 1.65	19.05	15.75	101.6	50.8		702593	704996	705004	707063	707064
DN 1"	25.4 x 1.65	25.4	22.1	108.0	54.0		702594	704997	705005	707065	707066
DN 1½"	38.1 x 1.65	38.1	34.8	120.6	60.3		702595	704998	705006	707067	707068
DN 2"	50.8 x 1.65	50.8	47.5	146.0	73.0		702596	704999	705007	707069	707070
DN 2½"	63.5 x 1.65	63.5	60.2	158.8	79.4		702597	705000	705008	707071	707072
DN 3"	76.2 x 1.65	76.2	72.9	171.4	85.7		702598	705001	705009	707073	707074
DN 4"	101.6 x 2.11	101.6	97.38	209.6	104.8		704994	705002	705010	707075	707076
DN 6"	152.4 x 2.77	152.4	146.86	285.8	142.9		711300	711301	711302	711307	711308

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request



5.2 STERI-TK® / HQ-TK® DIN 11865-TK

Steril T-Stück -kurz/egal-

aseptic tee -short/equal-

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- D Länge Abgang

Abmessungen

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

DIN 11865
DIN 11866
BN2
EN 10088-1
EN 10204
ASTM A269 / A270
ASME BPE
ASME SA249/SA249M
AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze,
DIN 11865

Toleranzen (Bezugsnorm)

DIN 11865 / EN ISO 1127

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

	 MB H2 Ra > 0.8 µm	K400 H3o Ra < 0.8 µm	e-pol. HE3o Ra < 0.5-0.8 µm
innen metallblank			
innen geschliffen			
innen e-poliert			
außen metallblank			
außen geschliffen			

Key

external diameter
internal diameter
total length
length of the branch

Dimensions

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

DIN 11865
DIN 11866
BN2
EN 10088-1
EN 10204
ASTM A269 / A270
ASME BPE
ASME SA249/SA249M
AD 2000-W2

Marking

manufacturer, material, dimension, heat,
DIN 11865

Tolerances (reference standard)

DIN 11865 / EN ISO 1127

Packaging

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L

further materials on request

Surface condition

	 K400 H4o Ra < 0.4 µm	e-pol. HE5o Ra < 0.25 µm
inside bright finish		
inside mech. polished		
inside e-polished		
outside bright finish		
outside mech. polished		

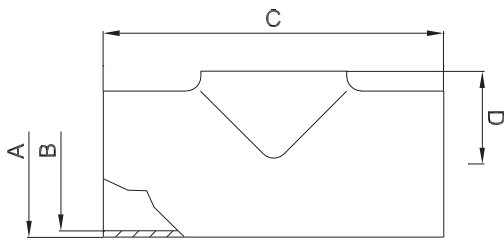


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
HQ-TK® DN025 ISO (1.4435) DIN 11865-TK aseptic tee -short/equal-	707104
geschliffen K400 mech. polished	
Ra < 0.4 µm	



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D		MB	STERI-line® K400	e-pol.	HQ-line® K400	e-pol.
DN010*	12.0 x 1.0	12.0	10.0	70.0	7.5		706878	708125	708135	707078	707079
DN010	13.0 x 1.5	XXX	XXX	XXX	XXX		XXX	XXX	XXX	XXX	XXX
DN015	19.0 x 1.5	19.0	16.0	70.0	11.0		702703	708126	708136	707080	707081
DN020	23.0 x 1.5	23.0	20.0	80.0	13.0		702705	708127	708137	707082	707083
DN025	29.0 x 1.5	29.0	26.0	100.0	16.0		702707	708128	708138	707084	707085
DN032	35.0 x 1.5	35.0	32.0	110.0	19.5		702709	708129	708139	707086	707087
DN040	41.0 x 1.5	41.0	38.0	120.0	23.0		702711	708130	708140	707088	707089
DN050	53.0 x 1.5	53.0	50.0	160.0	30.0		702713	708131	708141	707090	707091
DN065	70.0 x 2.0	70.0	66.0	210.0	40.0		702715	708132	708142	707092	707093
DN080	85.0 x 2.0	85.0	81.0	260.0	47.5		702717	708133	708143	707094	707095
DN100	104.0 x 2.0	104.0	100.0	310.0	58.0		702719	708134	708144	707096	707097
DN125	129.0 x 2.0	129.0	125.0	375.0	74.0		702721	711310	711311	**	**
DN150	154.0 x 2.0	154.0	150.0	450.0	90.0		702723	711312	711313	**	**
DN200	204.0 x 2.0	204.0	200.0	600.0	115.0		711314	711315	711316	**	**

ISO	Abmessung dimension	A	B	C	D		MB	STERI-line® K400	e-pol.	HQ-line® K400	e-pol.
DN008	13.5 x 1.6	XXX	XXX	XXX	XXX		XXX	XXX	XXX	XXX	XXX
DN010	17.2 x 1.6	17.2	14.0	68.0	10.1		702702	708145	708155	707098	707099
DN015	21.3 x 1.6	21.3	18.1	72.0	12.2		702704	708146	708156	707100	707101
DN020	26.9 x 1.6	26.9	23.7	110.0	15.0		702706	708147	708157	707102	707103
DN025	33.7 x 2.0	33.7	29.7	120.0	18.4		702708	708148	708158	707104	707105
DN032	42.4 x 2.0	42.4	38.4	130.0	23.2		702710	708149	708159	707106	707107
DN040	48.3 x 2.0	48.3	44.3	130.0	26.7		702712	708150	708160	707108	707109
DN050	60.3 x 2.0	60.3	56.3	180.0	33.7		702714	708151	708161	707110	707111
DN065	76.1 x 2.0	76.1	72.1	220.0	43.1		702716	708152	708162	707112	707113
DN080	88.9 x 2.3	88.9	84.3	260.0	49.5		702718	708153	708163	707114	707115
DN100	114.3 x 2.3	114.3	109.7	320.0	63.2		702720	708154	708164	707116	707117
DN125	139.7 x 2.6	139.7	134.5	400.0	79.9		702722	711317	708992	**	**
DN150	168.3 x 2.6	168.3	163.1	500.0	97.2		702724	711318	711319	**	**
DN200	219.1 x 2.6	219.1	213.9	600.0	123.6		**	**	**	**	**

ASME BPE	Abmessung dimension	A	B	C	D		MB	STERI-line® K400	e-pol.	HQ-line® K400	e-pol.
DN ½"	12.7 x 1.65	XXX	XXX	XXX	XXX		XXX	XXX	XXX	XXX	XXX
DN ¾"	19.05 x 1.65	19.05	15.75	101.6	11.0		702731	708165	708172	707118	707119
DN 1"	25.4 x 1.65	25.4	22.1	108.0	14.2		702725	708166	708173	707120	707121
DN 1½"	38.1 x 1.65	38.1	34.8	120.6	21.1		702726	708167	708174	707122	707123
DN 2"	50.8 x 1.65	50.8	47.5	146.0	28.9		702728	708168	708175	707124	707125
DN 2½"	63.5 x 1.65	63.5	60.2	158.8	35.3		702729	708169	708176	707126	707127
DN 3"	76.2 x 1.65	76.2	72.9	171.4	43.1		702730	708170	708177	707128	707129
DN 4"	101.6 x 2.11	101.6	97.38	209.6	56.8		704993	708171	708178	707130	707131
DN 6"	152.4 x 2.77	152.4	146.86	285.8	90.1		**	**	**	**	**

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request



5.3 STERI-TR® / HQ-TR® DIN 11865-T

Steril T-Stück -lang/reduziert-

aseptic tee -long/reduced-

Legende

- A Außendurchmesser (Durchgang)
- B Innendurchmesser (Durchgang)
- A1 Außendurchmesser (Abzweig)
- B1 Innendurchmesser (Abzweig)
- C Gesamtlänge
- D Länge Abgang

Abmessungen

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

DIN 11865
DIN 11866
BN2
EN 10088-1
EN 10204
ASTM A269 / A270
ASME BPE
ASME SA249/SA249M
AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze,
DIN 11865

Toleranzen (Bezugsnorm)

DIN 11865 / EN ISO 1127

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

		MB H2 Ra > 0.8 µm	K400 H3o Ra < 0.8 µm	e-pol. HE3o Ra < 0.5-0.8 µm
innen metallblank				
innen geschliffen				
innen e-poliert				
außen metallblank				
außen geschliffen				

Key

external diameter (main tube)
internal diameter (main tube)
external diameter (branch)
internal diameter (branch)
total length
length of the branch

Dimensions

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

DIN 11865
DIN 11866
BN2
EN 10088-1
EN 10204
ASTM A269 / A270
ASME BPE
ASME SA249/SA249M
AD 2000-W2

Marking

manufacturer, material, dimension, heat,
DIN 11865

Tolerances (reference standard)

DIN 11865 / EN ISO 1127

Packaging

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L

further materials on request

Surface condition

		K400 H4o Ra < 0.4 µm	e-pol. HE5o Ra < 0.25 µm
inside bright finish			
inside mech. polished			
inside e-polished			
outside bright finish			
outside mech. polished			

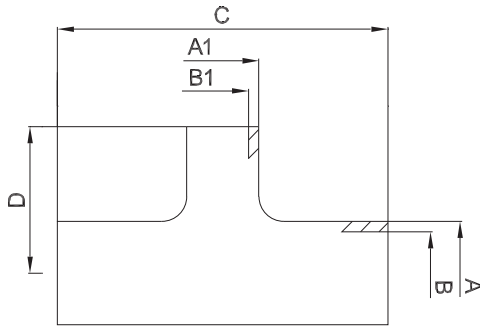


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
STERI-TR® DN025/DN015 DIN (1.4435) aseptic tee -long/reduced- DIN 11865-T	702204
e-poliert e-polished	
Ra < 0.5 µm	+ 999280



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	A	B	A1	B1	C	D	MB	STERI-line® K400	e-pol.	HQ-line®
DN006/DN004*	8.0	6.0	6.0	4.0	60.0	30.0	711320	708490	711321	**
DN008/DN004*	10.0	8.0	6.0	4.0	60.0	30.0	711322	708491	711323	**
DN008/DN006	10.0	8.0	8.0	6.0	60.0	30.0	711324	708492	711325	**
DN010/DN006*	12.0	10.0	8.0	6.0	60.0	30.0	711326	706045	711327	**
DN010/DN006	13.0	10.0	8.0	6.0	60.0	30.0	711328	711329	711330	**
DN010/DN008*	12.0	10.0	10.0	8.0	60.0	30.0	711331	711332	711333	**
DN010/DN008	13.0	10.0	10.0	8.0	60.0	30.0	711334	711335	711336	**
DN015/DN006*	19.0	16.0	8.0	6.0	70.0	35.0	711337	708513	711338	**
DN015/DN008	19.0	16.0	10.0	8.0	70.0	35.0	711339	711340	711341	**
DN015/DN010*	19.0	16.0	12.0	10.0	70.0	35.0	705775	705776	705777	**
DN015/DN010	19.0	16.0	13.0	10.0	70.0	35.0	700527	701252	701253	**
DN020/DN010*	23.0	20.0	12.0	10.0	80.0	40.0	700531	701260	701261	**
DN020/DN010	23.0	20.0	13.0	10.0	80.0	40.0	706355	706356	706357	**
DN020/DN015	23.0	20.0	19.0	16.0	80.0	40.0	700533	701264	701265	**
DN025/DN010*	29.0	26.0	12.0	10.0	100.0	50.0	700535	702196	701269	**
DN025/DN010*	29.0	26.0	13.0	10.0	100.0	50.0	706359	706361	706360	**
DN025/DN015	29.0	26.0	19.0	16.0	100.0	50.0	702194	701268	702204	**
DN025/DN020	29.0	26.0	23.0	20.0	100.0	50.0	702245	702244	702246	**
DN032/DN010*	35.0	32.0	12.0	10.0	110.0	55.0	700537	701272	701273	**
DN032/DN010*	35.0	32.0	13.0	10.0	110.0	55.0	706363	706364	706365	**
DN032/DN015	35.0	32.0	19.0	16.0	110.0	55.0	702247	702254	702255	**
DN032/DN020	35.0	32.0	23.0	20.0	110.0	55.0	702250	702249	702248	**
DN032/DN025	35.0	32.0	29.0	26.0	110.0	55.0	702253	702251	702252	**
DN040/DN010*	41.0	38.0	12.0	10.0	120.0	60.0	702600	702601	702602	**
DN040/DN010*	41.0	38.0	13.0	10.0	120.0	60.0	706367	706368	706369	**
DN040/DN015*	41.0	38.0	19.0	16.0	120.0	60.0	700539	701276	701277	**
DN040/DN020	41.0	38.0	23.0	20.0	120.0	60.0	702280	702282	702281	**
DN040/DN025	41.0	38.0	29.0	26.0	120.0	60.0	702285	702283	702284	**
DN040/DN032	41.0	38.0	35.0	32.0	120.0	60.0	702286	702288	702287	**
DN050/DN010*	53.0	50.0	12.0	10.0	160.0	80.0	702936	702938	702937	**
DN050/DN010*	53.0	50.0	13.0	10.0	160.0	80.0	706371	706373	706372	**
DN050/DN015*	53.0	50.0	19.0	16.0	160.0	80.0	700541	701280	701281	**
DN050/DN020*	53.0	50.0	23.0	20.0	160.0	80.0	702289	702290	702291	**
DN050/DN025	53.0	50.0	29.0	26.0	160.0	80.0	702294	702293	702292	**
DN050/DN032	53.0	50.0	35.0	32.0	160.0	80.0	702296	702297	702298	**
DN050/DN040	53.0	50.0	41.0	38.0	160.0	80.0	702301	702300	702299	**
DN065/DN010*	70.0	66.0	13.0	10.0	210.0	80.0	711342	711343	711344	**
DN065/DN015*	70.0	66.0	19.0	16.0	210.0	80.0	711345	708017	707979	**
DN065/DN020*	70.0	66.0	23.0	20.0	210.0	80.0	700543	701284	701285	**
DN065/DN025*	70.0	66.0	29.0	26.0	210.0	80.0	702330	702332	702331	**
DN065/DN032	70.0	66.0	35.0	32.0	210.0	80.0	702334	702333	702335	**
DN065/DN040	70.0	66.0	41.0	38.0	210.0	80.0	702336	702338	702337	**

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request



5.3 STERI-TR® / HQ-TR® DIN 11865-T

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 113

DIN	A	B	A1	B1	C	D	MB	STERI-line® K400	e-pol.	HQ-line®
DN065/DN050	70.0	66.0	53.0	50.0	210.0	80.0	702341	702339	702340	**
DN080/DN010*	85.0	81.0	13.0	10.0	260.0	105.0	711346	709290	709291	**
DN080/DN015*	85.0	81.0	19.0	16.0	260.0	105.0	711347	705630	711348	**
DN080/DN020*	85.0	81.0	23.0	20.0	260.0	105.0	711349	711350	711351	**
DN080/DN025*	85.0	81.0	29.0	26.0	260.0	105.0	702853	709538	709539	**
DN080/DN032*	85.0	81.0	35.0	32.0	260.0	105.0	700545	701288	701289	**
DN080/DN040	85.0	81.0	41.0	38.0	260.0	105.0	702342	702343	702344	**
DN080/DN050	85.0	81.0	53.0	50.0	260.0	105.0	702347	702346	702345	**
DN080/DN065	85.0	81.0	70.0	66.0	260.0	105.0	702348	702349	702350	**
DN100/DN010*	104.0	100.0	13.0	10.0	310.0	130.0	711352	709294	709295	**
DN100/DN015*	104.0	100.0	19.0	16.0	310.0	130.0	704930	704931	711353	**
DN100/DN020*	104.0	100.0	23.0	20.0	310.0	130.0	700529	702214	702185	**
DN100/DN025*	104.0	100.0	29.0	26.0	310.0	130.0	702216	701256	702215	**
DN100/DN032*	104.0	100.0	35.0	32.0	310.0	130.0	702201	702203	702202	**
DN100/DN040*	104.0	100.0	41.0	38.0	310.0	130.0	702205	702206	702207	**
DN100/DN050	104.0	100.0	53.0	50.0	310.0	130.0	702182	702208	702209	**
DN100/DN065	104.0	100.0	70.0	66.0	310.0	130.0	702210	702211	702186	**
DN100/DN080	104.0	100.0	85.0	81.0	310.0	130.0	702212	702213	701257	**
DN125/DN065	129.0	125.0	70.0	66.0	375.0	155.0	711354	711355	711356	**
DN125/DN080	129.0	125.0	85.0	81.0	375.0	155.0	711357	711358	711359	**
DN125/DN100	129.0	125.0	104.0	100.0	375.0	155.0	711360	711361	711362	**
DN150/DN080	154.0	150.0	85.0	81.0	450.0	187.5	711363	711364	711365	**
DN150/DN100	154.0	150.0	104.0	100.0	450.0	187.5	711366	711367	711368	**
DN150/DN125	154.0	150.0	129.0	125.0	450.0	187.5	711369	711370	711371	**
DN200/DN100	204.0	200.0	104.0	100.0	600.0	225.0	711372	711373	711374	**
DN200/DN125	204.0	200.0	129.0	125.0	600.0	225.0	711375	711376	711377	**
DN200/DN150	204.0	200.0	154.0	150.0	600.0	225.0	711378	711379	711380	**

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request

ISO	A	B	A1	B1	C	D	MB	STERI-line® K400	e-pol.	HQ-line®
DN010/DN008	17.2	14.0	13.5	10.3	68.0	34.0	700530	702198	702197	**
DN015/DN008	21.3	18.1	13.5	10.3	72.0	36.0	700532	701262	701263	**
DN015/DN010	21.3	18.1	17.2	14.0	72.0	36.0	700528	701254	701255	**
DN020/DN008	26.9	23.7	13.5	10.3	110.0	55.0	700534	701266	701267	**
DN020/DN010	26.9	23.7	17.2	14.0	110.0	55.0	702229	702230	702231	**
DN020/DN015	26.9	23.7	21.3	18.1	110.0	55.0	702234	702233	702232	**
DN025/DN008*	33.7	29.7	13.5	10.3	120.0	60.0	700536	701270	701271	**
DN025/DN010	33.7	29.7	17.2	14.0	120.0	60.0	702235	702236	702237	**
DN025/DN015	33.7	29.7	21.3	18.1	120.0	60.0	702240	702239	702238	**
DN025/DN020	33.7	29.7	26.9	23.7	120.0	60.0	702241	702242	702243	**
DN032/DN008*	42.4	38.4	13.5	10.3	130.0	65.0	700538	701274	701275	**
DN032/DN010*	42.4	38.4	17.2	14.0	130.0	65.0	702256	702258	702257	**
DN032/DN015	42.4	38.4	21.3	18.1	130.0	65.0	702261	702259	702260	**
DN032/DN020	42.4	38.4	26.9	23.7	130.0	65.0	702262	702263	702264	**
DN032/DN025	42.4	38.4	33.7	29.7	130.0	65.0	702265	702267	702266	**
DN040/DN008*	48.3	44.3	13.5	10.3	130.0	65.0	704026	706270	708662	**
DN040/DN010*	48.3	44.3	17.2	14.0	130.0	65.0	702279	701278	701279	**
DN040/DN015*	48.3	44.3	21.3	18.1	130.0	65.0	702268	702270	702269	**
DN040/DN020	48.3	44.3	26.9	23.7	130.0	65.0	702273	702271	702272	**
DN040/DN025	48.3	44.3	33.7	29.7	130.0	65.0	702274	702276	702275	**
DN040/DN032	48.3	44.3	42.4	38.4	130.0	65.0	700540	702277	702278	**
DN050/DN008*	60.3	56.3	13.5	10.3	180.0	90.0	704944	708228	713547	**
DN050/DN010*	60.3	56.3	17.2	14.0	180.0	90.0	703018	711582	709174	**
DN050/DN015*	60.3	56.3	21.3	18.1	180.0	90.0	700542	701282	701283	**

ISO	A	B	A1	B1	C	D	MB	STERI-line® K400	e-pol.	HQ-line®
DN050/DN020*	60.3	56.3	26.9	23.7	180.0	90.0	702303	702304	702305	**
DN050/DN025	60.3	56.3	33.7	29.7	180.0	90.0	702308	702307	702306	**
DN050/DN032	60.3	56.3	42.4	38.4	180.0	90.0	702309	702310	702311	**
DN050/DN040	60.3	56.3	48.3	44.3	180.0	90.0	702314	702313	702312	**
DN065/DN008*	76.1	72.1	13.5	10.3	220.0	90.0	708650	708651	708652	**
DN065/DN010*	76.1	72.1	17.2	14.0	220.0	90.0	708653	708654	708655	**
DN065/DN015*	76.1	72.1	21.3	18.1	220.0	90.0	700544	701286	701287	**
DN065/DN020*	76.1	72.1	26.9	23.7	220.0	90.0	702315	702317	702316	**
DN065/DN025*	76.1	72.1	33.7	29.7	220.0	90.0	702320	702318	702319	**
DN065/DN032	76.1	72.1	42.4	38.4	220.0	90.0	702321	702323	702322	**
DN065/DN040	76.1	72.1	48.3	44.3	220.0	90.0	702324	702328	702326	**
DN065/DN050	76.1	72.1	60.3	56.3	220.0	90.0	702325	702329	702327	**
DN080/DN008*	88.9	84.3	13.5	10.3	260.0	110.0	711722	708026	711723	**
DN080/DN010*	88.9	84.3	17.2	14.0	260.0	110.0	711724	706015	711725	**
DN080/DN015*	88.9	84.3	21.3	18.1	260.0	110.0	711726	705623	711727	**
DN080/DN020*	88.9	84.3	26.9	23.7	260.0	110.0	711728	705055	711729	**
DN080/DN025*	88.9	84.3	33.7	29.7	260.0	110.0	700546	701290	701291	**
DN080/DN032*	88.9	84.3	42.4	38.4	260.0	110.0	702351	702353	702352	**
DN080/DN040	88.9	84.3	48.3	44.3	260.0	110.0	702362	702354	702355	**
DN080/DN050	88.9	84.3	60.3	56.3	260.0	110.0	702358	702357	702356	**
DN080/DN065	88.9	84.3	76.1	72.1	260.0	110.0	702359	702361	702360	**
DN100/DN008*	114.3	109.7	13.5	10.3	320.0	130.0	711730	711731	711732	**
DN100/DN010*	114.3	109.7	17.2	14.0	320.0	130.0	710562	710563	710564	**
DN100/DN015*	114.3	109.7	21.3	18.1	320.0	130.0	710565	710566	710567	**
DN100/DN020*	114.3	109.7	26.9	23.7	320.0	130.0	710568	710569	710570	**
DN100/DN025*	114.3	109.7	33.7	29.7	320.0	130.0	702200	702187	702227	**
DN100/DN032*	114.3	109.7	42.4	38.4	320.0	130.0	702222	701258	702228	**
DN100/DN040*	114.3	109.7	48.3	44.3	320.0	130.0	702219	702217	702218	**
DN100/DN050	114.3	109.7	60.3	56.3	320.0	130.0	702183	702220	702221	**
DN100/DN065	114.3	109.7	76.1	72.1	320.0	130.0	702224	702223	702188	**
DN100/DN080	114.3	109.7	88.9	84.3	320.0	130.0	702226	702225	701259	**
DN125/DN065	139.7	134.5	76.1	72.1	400.0	160.0	711733	711734	711735	**
DN125/DN080	139.7	134.5	88.9	84.3	400.0	160.0	711736	711737	711738	**
DN125/DN100	139.7	134.5	114.3	109.7	400.0	160.0	711739	711740	711741	**
DN150/DN080	168.3	163.1	88.9	84.3	500.0	200.0	711742	711743	711744	**
DN150/DN100	168.3	163.1	114.3	109.7	500.0	200.0	704428	711745	711746	**
DN150/DN125	168.3	163.1	139.7	134.5	500.0	200.0	711747	711748	711749	**
DN200/DN100	219.1	213.9	114.3	109.7	600.0	250.0	711750	711751	711752	**
DN200/DN125	219.1	213.9	139.7	134.5	600.0	250.0	711753	711754	711755	**
DN200/DN150	219.1	213.9	168.3	163.1	600.0	250.0	711756	711757	711758	**

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request



5.3 STERI-TR® / HQ-TR® DIN 11865-T

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 113

ASME BPE	A	B	A1	B1	C	D	MB	STERI-line® K400	e-pol.	HQ-line®
DN 3/8"/DN 1/4"	9.53	7.75	6.35	4.57	89.0	44.5	711759	711760	711761	**
DN 1/2"/DN 1/4"	12.7	9.4	6.35	4.57	95.2	47.6	711762	711763	711764	**
DN 1/2"/DN 3/8"	12.7	9.4	9.53	7.75	95.2	47.6	711765	711766	711767	**
DN 3/4"/DN 3/8"	19.05	15.75	9.53	7.75	101.6	50.8	711768	711769	711770	**
DN 3/4"/DN 1/2"	19.05	15.75	12.7	9.4	101.6	50.8	703475	705789	705790	**
DN 1"/DN 3/8"*	25.4	22.1	9.53	7.75	108.0	54.0	709300	711771	711772	**
DN 1"/DN 1/2"	25.4	22.1	12.7	9.4	108.0	54.0	705791	704422	705674	**
DN 1"/DN 3/4"	25.4	22.1	19.05	15.75	108.0	54.0	705792	705707	705678	**
DN 1 1/2"/DN 1/2"*	38.1	34.8	12.7	9.4	120.6	60.3	702811	704419	705793	**
DN 1 1/2"/DN 3/4"	38.1	34.8	19.05	15.75	120.6	60.3	704437	705794	705679	**
DN 1 1/2"/DN 1"	38.1	34.8	25.4	22.1	120.6	60.3	702815	705795	705680	**
DN 2"/DN 1/2"*	50.8	47.5	12.7	9.4	146.0	66.7	705643	709502	711773	**
DN 2"/DN 3/4"*	50.8	47.5	19.05	15.75	146.0	66.7	704485	705796	705706	**
DN 2"/DN 1"	50.8	47.5	25.4	22.1	146.0	66.7	702817	705797	705681	**
DN 2"/DN 1 1/2"	50.8	47.5	38.1	34.8	146.0	66.7	702813	705798	705705	**
DN 2 1/2"/DN 1/2"*	63.5	60.2	12.7	9.4	158.8	73.0	705644	705799	705800	**
DN 2 1/2"/DN 3/4"*	63.5	60.2	19.05	15.75	158.8	73.0	705645	705801	705802	**
DN 2 1/2"/DN 1"*	63.5	60.2	25.4	22.1	158.8	73.0	705803	705804	705682	**
DN 2 1/2"/DN 1 1/2"	63.5	60.2	38.1	34.8	158.8	73.0	705805	705806	705683	**
DN 2 1/2"/DN 2"	63.5	60.2	50.8	47.5	158.8	73.0	705807	705808	705684	**
DN 3"/DN 1 1/2"	76.2	72.9	38.1	34.8	171.4	79.4	705809	705810	705811	**
DN 3"/DN 2"	76.2	72.9	50.8	47.5	171.4	79.4	705812	705813	705814	**
DN 3"/DN 2 1/2"	76.2	72.9	63.5	60.2	171.4	79.4	705815	705816	705817	**
DN 4"/DN 2"	101.6	97.38	50.8	47.5	209.6	98.4	705818	705819	705820	**
DN 4"/DN 2 1/2"	101.6	97.38	63.5	60.2	209.6	98.4	705821	705822	705823	**
DN 4"/DN 3"	101.6	97.38	76.2	72.9	209.6	98.4	705824	705825	705826	**
DN 6"/DN 4"	152.4	146.86	101.6	97.38	285.8	130.2	711774	711775	711776	**

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request



5.4 STERI-TKR® / HQ-TKR® DIN 11865-TK

Steril T-Stück -kurz/reduziert-

aseptic tee -short/reduced-

Legende

- A Außendurchmesser (Durchgang)
- B Innendurchmesser (Durchgang)
- A1 Außendurchmesser (Abzweig)
- B1 Innendurchmesser (Abzweig)
- C Gesamtlänge
- D Länge Abgang

Abmessungen

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

DIN 11865
DIN 11866
BN2
EN 10088-1
EN 10204
ASTM A269 / A270
ASME BPE
ASME SA249/SA249M
AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze,
DIN 11865

Toleranzen (Bezugsnorm)

DIN 11865 / EN ISO 1127

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

		MB H2 Ra > 0.8 µm	K400 H3o Ra < 0.8 µm	e-pol. HE3o Ra < 0.5-0.8 µm
innen metallblank				
innen geschliffen				
innen e-poliert				
außen metallblank				
außen geschliffen				

Key

external diameter (main tube)
internal diameter (main tube)
external diameter (branch)
internal diameter (branch)
total length
length of the branch

Dimensions

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

DIN 11865
DIN 11866
BN2
EN 10088-1
EN 10204
ASTM A269 / A270
ASME BPE
ASME SA249/SA249M
AD 2000-W2

Marking

manufacturer, material, dimension, heat,
DIN 11865

Tolerances (reference standard)

DIN 11865 / EN ISO 1127

Packaging

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L

further materials on request

Surface condition

		K400 H4o Ra < 0.4 µm	e-pol. HE5o Ra < 0.25 µm
inside bright finish			
inside mech. polished			
inside e-polished			
outside bright finish			
outside mech. polished			

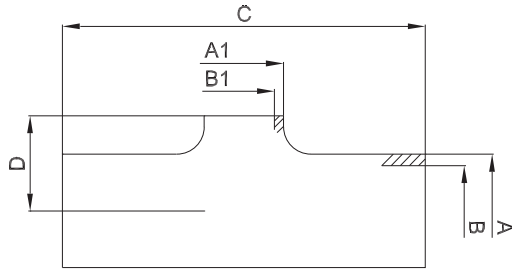


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
HQ-TKR® DN025/015 DIN (1.4435) DIN 11865-TK aseptic tee -short/reduced-	708348
e-poliert e-polished	
Ra < 0.4 µm	+ 999281



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	A	B	A1	B1	C	D	MB	STERI-line® K400	e-pol.	HQ-line®
DN015/DN008	19.0	16.0	10.0	8.0	70.0	11.0	711777	711778	711779	**
DN015/DN010	19.0	16.0	13.0	10.0	70.0	11.0	706354	708301	708344	**
DN020/DN008*	23.0	20.0	10.0	8.0	80.0	13.0	711780	711781	709531	**
DN020/DN010	23.0	20.0	13.0	10.0	80.0	13.0	706358	708302	708345	**
DN020/DN015	23.0	20.0	19.0	16.0	80.0	13.0	702739	708303	708346	**
DN025/DN008*	29.0	26.0	10.0	8.0	100.0	16.0	711782	711783	711784	**
DN025/DN010*	29.0	26.0	13.0	10.0	100.0	16.0	706362	708304	708058	**
DN025/DN015	29.0	26.0	19.0	16.0	100.0	16.0	702744	708305	708348	**
DN025/DN020	29.0	26.0	23.0	20.0	100.0	16.0	702746	708306	708207	**
DN032/DN008*	35.0	32.0	10.0	8.0	110.0	19.0	711785	711786	711787	**
DN032/DN010*	35.0	32.0	13.0	10.0	110.0	19.0	706366	708307	708057	**
DN032/DN015	35.0	32.0	19.0	16.0	110.0	19.0	702751	708308	708351	**
DN032/DN020	35.0	32.0	23.0	20.0	110.0	19.0	702753	708309	708352	**
DN032/DN025	35.0	32.0	29.0	26.0	110.0	19.0	702755	708310	708353	**
DN040/DN008*	41.0	38.0	10.0	8.0	120.0	22.0	706080	711788	711789	**
DN040/DN010*	41.0	38.0	13.0	10.0	120.0	22.0	706370	708311	708354	**
DN040/DN015*	41.0	38.0	19.0	16.0	120.0	22.0	702759	708312	708355	**
DN040/DN020	41.0	38.0	23.0	20.0	120.0	22.0	702761	708313	708356	**
DN040/DN025	41.0	38.0	29.0	26.0	120.0	22.0	702763	708314	708357	**
DN040/DN032	41.0	38.0	35.0	32.0	120.0	22.5	702765	708315	708358	**
DN050/DN008*	53.0	50.0	10.0	8.0	160.0	28.0	703175	711790	711791	**
DN050/DN010*	53.0	50.0	13.0	10.0	160.0	28.0	706374	708316	708359	**
DN050/DN015*	53.0	50.0	19.0	16.0	160.0	28.0	702767	708317	708360	**
DN050/DN020*	53.0	50.0	23.0	20.0	160.0	28.0	702769	708318	708361	**
DN050/DN025	53.0	50.0	29.0	26.0	160.0	28.0	702771	708319	708362	**
DN050/DN032	53.0	50.0	35.0	32.0	160.0	28.5	702773	708320	708363	**
DN050/DN040	53.0	50.0	41.0	38.0	160.0	29.0	702776	708321	708364	**
DN065/DN010*	70.0	66.0	13.0	10.0	210.0	37.0	706353	708322	708365	**
DN065/DN015*	70.0	66.0	19.0	16.0	210.0	37.0	706524	708323	708366	**
DN065/DN020*	70.0	66.0	23.0	20.0	210.0	37.0	702779	708324	708367	**
DN065/DN025*	70.0	66.0	29.0	26.0	210.0	37.0	702781	708325	708368	**
DN065/DN032	70.0	66.0	35.0	32.0	210.0	37.0	702783	708326	708369	**
DN065/DN040	70.0	66.0	41.0	38.0	210.0	37.5	702785	708327	708370	**
DN065/DN050	70.0	66.0	53.0	50.0	210.0	38.5	702787	708328	708371	**
DN080/DN010*	85.0	81.0	13.0	10.0	260.0	45.0	711792	709288	709289	**
DN080/DN015*	85.0	81.0	19.0	16.0	260.0	45.0	706881	708329	708372	**
DN080/DN020*	85.0	81.0	23.0	20.0	260.0	45.0	706775	708330	708373	**
DN080/DN025*	85.0	81.0	29.0	26.0	260.0	45.0	706741	708331	708374	**
DN080/DN032*	85.0	81.0	35.0	32.0	260.0	45.0	702790	708332	708375	**
DN080/DN040	85.0	81.0	41.0	38.0	260.0	45.0	702792	708333	708376	**
DN080/DN050	85.0	81.0	53.0	50.0	260.0	46.0	702794	708334	708377	**
DN080/DN065	85.0	81.0	70.0	66.0	260.0	47.5	702796	708335	708378	**

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request



5.4 STERI-TKR® / HQ-TKR® DIN 11865-TK

zusätzliche Oberflächenqualitäten analog Seite | additional surface qualities analog page 118

DIN	A	B	A1	B1	C	D	MB	STERI-line® K400	e-pol.	HQ-line®
DN100/DN010*	104.0	100.0	13.0	10.0	310.0	55.5	711793	709292	709293	**
DN100/DN015*	104.0	100.0	19.0	16.0	310.0	55.5	704469	708336	708379	**
DN100/DN020*	104.0	100.0	23.0	20.0	310.0	55.5	702798	708337	708380	**
DN100/DN025*	104.0	100.0	29.0	26.0	310.0	55.5	702799	708338	708381	**
DN100/DN032*	104.0	100.0	35.0	32.0	310.0	55.5	702801	708339	708382	**
DN100/DN040*	104.0	100.0	41.0	38.0	310.0	55.5	702803	708340	708383	**
DN100/DN050	104.0	100.0	53.0	50.0	310.0	55.5	702805	708341	708384	**
DN100/DN065	104.0	100.0	70.0	66.0	310.0	57.0	702807	708342	708385	**
DN100/DN080	104.0	100.0	85.0	81.0	310.0	57.0	702809	708343	708386	**
DN125/DN065	129.0	125.0	70.0	66.0	375.0	69.5	711794	711795	711796	**
DN125/DN080	129.0	125.0	85.0	81.0	375.0	69.5	711797	711798	711799	**
DN125/DN100	129.0	125.0	104.0	100.0	375.0	70.5	711800	711801	711802	**
DN150/DN080	154.0	150.0	85.0	81.0	450.0	99.0	711803	711804	711805	**
DN150/DN100	154.0	150.0	104.0	100.0	450.0	100.0	711806	711807	711808	**
DN150/DN125	154.0	150.0	129.0	125.0	450.0	103.0	711809	711810	711811	**
DN200/DN100	204.0	200.0	104.0	100.0	600.0	108.0	711812	711813	711814	**
DN200/DN125	204.0	200.0	129.0	125.0	600.0	111.5	711815	711816	711817	**
DN200/DN150	204.0	200.0	154.0	150.0	600.0	115.0	711818	711819	711820	**

*) nicht in der DIN-Norm enthalten | non-standard

**) auf Anfrage | on request

ISO	A	B	A1	B1	C	D	MB	STERI-line® K400	e-pol.	HQ-line®
DN010/DN008	17.2	14.0	13.5	10.3	68.0	10.1	702732	708387	708436	**
DN015/DN008	21.3	18.1	13.5	10.3	72.0	12.2	702733	708388	708437	**
DN015/DN010	21.3	18.1	17.2	14.0	72.0	12.2	702735	708389	708438	**
DN020/DN008	26.9	23.7	13.5	10.3	110.0	15.0	702736	708390	708439	**
DN020/DN010	26.9	23.7	17.2	14.0	110.0	15.0	702738	708391	708440	**
DN020/DN015	26.9	23.7	21.3	18.1	110.0	15.0	702740	708392	708441	**
DN025/DN008*	33.7	29.7	13.5	10.3	120.0	18.4	702741	708393	708442	**
DN025/DN010	33.7	29.7	17.2	14.0	120.0	18.4	702743	708394	708443	**
DN025/DN015	33.7	29.7	21.3	18.1	120.0	18.4	702745	708395	708444	**
DN025/DN020	33.7	29.7	26.9	23.7	120.0	18.4	702747	708396	708445	**
DN032/DN008*	42.4	38.4	13.5	10.3	130.0	22.7	702748	708397	708446	**
DN032/DN010*	42.4	38.4	17.2	14.0	130.0	22.7	702750	707275	708447	**
DN032/DN015	42.4	38.4	21.3	18.1	130.0	22.7	702752	708398	708448	**
DN032/DN020	42.4	38.4	26.9	23.7	130.0	22.7	702754	708399	708449	**
DN032/DN025	42.4	38.4	33.7	29.7	130.0	22.7	702756	708400	708450	**
DN040/DN008*	48.3	44.3	13.5	10.3	130.0	25.7	703529	708401	708451	**
DN040/DN010*	48.3	44.3	17.2	14.0	130.0	25.7	702758	708402	708452	**
DN040/DN015*	48.3	44.3	21.3	18.1	130.0	25.7	702760	708403	708453	**
DN040/DN020	48.3	44.3	26.9	23.7	130.0	25.7	702762	708404	708454	**
DN040/DN025	48.3	44.3	33.7	29.7	130.0	25.7	702764	708405	708455	**
DN040/DN032	48.3	44.3	42.4	38.4	130.0	26.2	702766	708406	708456	**
DN050/DN008*	60.3	56.3	13.5	10.3	180.0	31.7	703019	708407	708457	**
DN050/DN010*	60.3	56.3	17.2	14.0	180.0	31.7	703815	708408	708458	**
DN050/DN015*	60.3	56.3	21.3	18.1	180.0	31.7	702768	708409	708459	**
DN050/DN020*	60.3	56.3	26.9	23.7	180.0	31.7	702770	708410	708460	**
DN050/DN025	60.3	56.3	33.7	29.7	180.0	31.7	702772	708411	708461	**
DN050/DN032	60.3	56.3	42.4	38.4	180.0	32.2	702775	708412	708462	**
DN050/DN040	60.3	56.3	48.3	44.3	180.0	32.7	702777	708413	708463	**
DN065/DN008*	76.1	72.1	13.5	10.3	220.0	40.1	705964	708414	708464	**
DN065/DN010*	76.1	72.1	17.2	14.0	220.0	40.1	708347	705963	708465	**
DN065/DN015*	76.1	72.1	21.3	18.1	220.0	40.1	702778	708415	708466	**
DN065/DN020*	76.1	72.1	26.9	23.7	220.0	40.1	702780	708416	708467	**

ISO	A	B	A1	B1	C	D	MB	STERI-line® K400	e-pol.	HQ-line®
DN065/DN025*	76.1	72.1	33.7	29.7	220.0	40.1	702782	708417	708468	**
DN065/DN032	76.1	72.1	42.4	38.4	220.0	40.1	702784	708418	708469	**
DN065/DN040	76.1	72.1	48.3	44.3	220.0	40.6	702786	708419	708470	**
DN065/DN050	76.1	72.1	60.3	56.3	220.0	41.6	702788	708420	708471	**
DN080/DN008*	88.9	84.3	13.5	10.3	260.0	47.0	711821	709241	709075	**
DN080/DN010*	88.9	84.3	17.2	14.0	260.0	47.0	711822	711823	711824	**
DN080/DN015*	88.9	84.3	21.3	18.1	260.0	47.0	708349	708421	706778	**
DN080/DN020*	88.9	84.3	26.9	23.7	260.0	47.0	708350	706779	708472	**
DN080/DN025*	88.9	84.3	33.7	29.7	260.0	47.0	702789	708422	708473	**
DN080/DN032*	88.9	84.3	42.4	38.4	260.0	47.0	702791	708423	708474	**
DN080/DN040	88.9	84.3	48.3	44.3	260.0	47.0	702793	708424	708475	**
DN080/DN050	88.9	84.3	60.3	56.3	260.0	48.0	702795	708425	708476	**
DN080/DN065	88.9	84.3	76.1	72.1	260.0	49.5	702797	708426	708477	**
DN100/DN008*	114.3	109.7	13.5	10.3	320.0	60.7	711825	711826	711827	**
DN100/DN010*	114.3	109.7	17.2	14.0	320.0	60.7	707856	708427	707859	**
DN100/DN015*	114.3	109.7	21.3	18.1	320.0	60.7	707857	708428	707860	**
DN100/DN020*	114.3	109.7	26.9	23.7	320.0	60.7	707858	708429	707861	**
DN100/DN025*	114.3	109.7	33.7	29.7	320.0	60.7	702800	708430	708478	**
DN100/DN032*	114.3	109.7	42.4	38.4	320.0	60.7	702802	708431	708479	**
DN100/DN040*	114.3	109.7	48.3	44.3	320.0	60.7	702804	708432	708480	**
DN100/DN050	114.3	109.7	60.3	56.3	320.0	60.7	702806	708433	708481	**
DN100/DN065	114.3	109.7	76.1	72.1	320.0	62.2	702808	708434	708482	**
DN100/DN080	114.3	109.7	88.9	84.3	320.0	62.2	702810	708435	708483	**
DN125/DN065	139.7	134.5	76.1	72.1	400.0	74.9	711828	711829	708989	**
DN125/DN080	139.7	134.5	88.9	84.3	400.0	74.9	711830	711831	708990	**
DN125/DN100	139.7	134.5	114.3	109.7	400.0	75.9	711832	711833	708991	**
DN150/DN080	168.3	163.1	88.9	84.3	500.0	89.2	711834	711835	709070	**
DN150/DN100	168.3	163.1	114.3	109.7	500.0	90.2	707980	711836	711837	**
DN150/DN125	168.3	163.1	139.7	134.5	500.0	94.2	711838	711839	711840	**
DN200/DN100	219.1	213.9	114.3	109.7	600.0	115.6	711841	711842	711843	**
DN200/DN125	219.1	213.9	139.7	134.5	600.0	119.6	711844	711845	711846	**
DN200/DN150	219.1	213.9	168.3	163.1	600.0	122.6	711847	711848	711849	**

ASME BPE	A	B	A1	B1	C	D	MB	STERI-line® K400	e-pol.	HQ-line®
DN ¾"/DN ½"	19.05	15.75	12.7	9.4	101.6	11.0	703237	708545	708566	**
DN 1"/DN ½"	25.4	22.1	12.7	9.4	108.0	14.2	703435	708546	708567	**
DN 1"/DN ¾"	25.4	22.1	19.05	15.75	108.0	14.2	704571	708547	708568	**
DN 1½"/DN ½"	38.1	34.8	12.7	9.4	120.6	20.6	702812	708548	708569	**
DN 1½"/DN ¾"	38.1	34.8	19.05	15.75	120.6	20.6	703463	708549	708570	**
DN 1½"/DN 1"	38.1	34.8	25.4	22.1	120.6	20.6	702816	708550	708571	**
DN 2"/DN ½"	50.8	47.5	12.7	9.4	146.0	26.9	703434	708551	708572	**
DN 2"/DN ¾"	50.8	47.5	19.05	15.75	146.0	26.9	703433	708552	708573	**
DN 2"/DN 1"	50.8	47.5	25.4	22.1	146.0	26.9	702818	708553	708574	**
DN 2"/DN 1½"	50.8	47.5	38.1	34.8	146.0	27.4	702814	708554	708575	**
DN 2½"/DN ¾"	63.5	60.2	19.05	15.75	158.8	33.8	706448	708556	708577	**
DN 2½"/DN 1"	63.5	60.2	25.4	22.1	158.8	33.8	704573	708557	708578	**
DN 2½"/DN 1½"	63.5	60.2	38.1	34.8	158.8	33.8	704574	708558	708579	**
DN 2½"/DN 2"	63.5	60.2	50.8	47.5	158.8	35.3	704576	708559	708580	**
DN 3"/DN 1½"	76.2	72.9	38.1	34.8	171.4	40.1	705827	708560	708581	**
DN 3"/DN 2"	76.2	72.9	50.8	47.5	171.4	41.6	705828	708561	708582	**
DN 3"/DN 2½"	76.2	72.9	63.5	60.2	171.4	41.6	705829	708562	708583	**
DN 4"/DN 2"	101.6	97.38	50.8	47.5	209.6	54.3	705830	708563	708584	**
DN 4"/DN 2½"	101.6	97.38	63.5	60.2	209.6	54.3	705831	708564	708585	**
DN 4"/DN 3"	101.6	97.38	76.2	72.9	209.6	55.8	705832	708565	708586	**
DN 6"/DN 4"	152.4	146.86	101.6	97.38	285.8	83.1	711854	711855	711856	**



5.5 MEDI-T® DIN 11852-TS

Hygiene T-Stück -lang/egal-

hygienic tee -long/equal-

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- C/2 Länge Abgang

Abmessungen

DIN 11866-A (DIN 11850)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

DIN 11850
DIN 11852
EN 10088-1
EN 10204

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

DIN 11852 / ISO 2768-1

Verpackung

einzelnd verpackt

auf Wunsch:

Schweißenden mit Kunststoffkappen verschlossen

Werkstoffe

1.4404

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit ("MB/MB")

innen: metallblank, gebeizt
(Vormaterial: Ra < 0.8/1.6 µm)
außen: metallblank

Key

external diameter
internal diameter
total length
length of the branch

Dimensions

DIN 11866-A (DIN 11850)

Normative References, Requirements / Approvals (raw material)

DIN 11850
DIN 11852
EN 10088-1
EN 10204

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

DIN 11852 / ISO 2768-1

Packaging

wrapped separately

on demand:

welding ends covered with plastic caps

Materials

316L

further materials on request

Surface condition ("MB/MB")

inside: bright finish, pickled
(raw-material: Ra < 0.8/1.6 µm)
outside: bright finish

MB/MB Innen- und Außenoberfläche unbearbeitet | raw internal and external surface finish

MB/K400 Innenoberfläche unbearbeitet, außen geschliffen K400 | raw internal surface, outside mech. polished K400

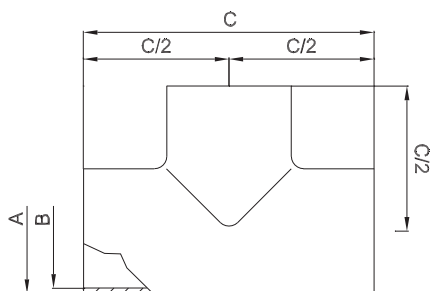


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-polier e-polished	999277
Ra < 0.8 µm (STERI-line®)	999284
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
MEDI-T® DN025 DIN (1.4404) DIN 11852-TS hygienic tee -long/equal-	703126
innen geschliffen mech. polished inside	+ 999284
Ra < 0.8 µm	



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	C/2		MB/MB 1.4404	MB/K400 1.4404		
DN010	13.0 x 1.5	13.0	10.0	70.0	35.0		705387	703822		
DN015	19.0 x 1.5	19.0	16.0	70.0	35.0		702885	708863		
DN020	23.0 x 1.5	23.0	20.0	80.0	40.0		704425	708864		
DN025	29.0 x 1.5	29.0	26.0	100.0	50.0		703126	708865		
DN032	35.0 x 1.5	35.0	32.0	110.0	55.0		703771	708866		
DN040	41.0 x 1.5	41.0	38.0	120.0	60.0		702852	708867		
DN050	53.0 x 1.5	53.0	50.0	140.0	70.0		703767	708868		
DN065	70.0 x 2.0	70.0	66.0	160.0	80.0		703770	708869		
DN080	85.0 x 2.0	85.0	81.0	180.0	90.0		703768	708870		
DN100	104.0 x 2.0	104.0	100.0	200.0	100.0		703769	708871		
DN125	129.0 x 2.0	129.0	125.0	375.0	187.5		703166	708872		
DN150	154.0 x 2.0	154.0	150.0	450.0	225.0		705389	708873		
DN200	204.0 x 2.0	204.0	200.0	600.0	300.0		711141	711142		

reduzierte T-Stücke sind ebenfalls erhältlich
reduced tees are also available





5.6 MEDI-TK® DIN11852-TK

Hygiene T-Stück -kurz/egal-

hygienic tee -short/equal-

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- D Länge Abgang

Abmessungen

DIN 11866-A (DIN 11850)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

DIN 11850
DIN 11852
EN 10088-1
EN 10204

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

DIN 11852 / ISO 2768-1

Verpackung

einzelnd verpackt

auf Wunsch:

Schweißenden mit Kunststoffkappen verschlossen

Werkstoffe

1.4404

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit ("MB/MB")

innen: metallblank, gebeizt
(Vormaterial: $Ra < 0.8/1.6 \mu m$)
außen: metallblank

Key

external diameter
internal diameter
total length
length of the branch

Dimensions

DIN 11866-A (DIN 11850)

Normative References, Requirements / Approvals (raw material)

DIN 11850
DIN 11852
EN 10088-1
EN 10204

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

DIN 11852 / ISO 2768-1

Packaging

wrapped separately

on demand:

welding ends covered with plastic caps

Materials

316L

further materials on request

Surface condition ("MB/MB")

inside: bright finish, pickled
(raw-material: $Ra < 0.8/1.6 \mu m$)
outside: bright finish

MB/MB Innen- und Außenoberfläche unbearbeitet | raw internal and external surface finish

MB/K400 Innenoberfläche unbearbeitet, außen geschliffen K400 | raw internal surface, outside mech. polished K400

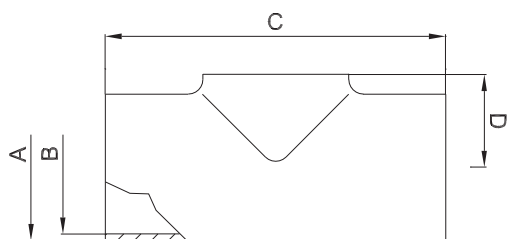


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-polier e-polished	999277
$Ra < 0.8 \mu m$ (STERI-line®)	999284
$Ra < 0.6 \mu m$ (STERI-line®)	999279
$Ra < 0.5 \mu m$ (STERI-line®)	999280
$Ra < 0.4 \mu m$ (HQ-line®)	999281
$Ra < 0.25 \mu m$ (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
MEDI-TK® DN025 DIN (1.4404) DIN 11852-TK, außen K400 hygienic tee -short/equal-, outside polished K400	711130
e-polier e-polished	+ 999277
$Ra < 0.6 \mu m$	+ 999279



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D		MB/MB 1.4404	MB/K400 1.4404		
DN010	13.0 x 1.5	XXX	XXX	XXX	XXX		XXX	XXX		
DN015	19.0 x 1.5	19.0	16.0	70.0	11.0		702835	711128		
DN020	23.0 x 1.5	23.0	20.0	80.0	13.0		702956	711129		
DN025	29.0 x 1.5	29.0	26.0	100.0	16.0		702996	711130		
DN032	35.0 x 1.5	35.0	32.0	110.0	19.5		703022	711131		
DN040	41.0 x 1.5	41.0	38.0	120.0	23.0		703067	711132		
DN050	53.0 x 1.5	53.0	50.0	140.0	30.0		702945	711133		
DN065	70.0 x 2.0	70.0	66.0	160.0	40.0		702955	711134		
DN080	85.0 x 2.0	85.0	81.0	180.0	47.5		704249	711135		
DN100	104.0 x 2.0	104.0	100.0	200.0	58.0		705060	711136		
DN125	129.0 x 2.0	129.0	125.0	375.0	74.0		705385	711137		
DN150	154.0 x 2.0	154.0	150.0	450.0	90.0		705386	711138		
DN200	204.0 x 2.0	204.0	200.0	600.0	115.0		711140	711139		

reduzierte T-Stücke sind ebenfalls erhältlich
reduced tees are also available





5.7 STERI-Cross® / HQ-Cross®

Steril Kreuz-Stück -lang/egal-

aseptic cross piece -long/equal-

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- C/2 Länge Abgang

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

- DIN 11866
- BN2
- EN 10204
- EN 10088-1
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

EN ISO 1127

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

	 MB H2 Ra > 0.8 µm	K400 H3o Ra < 0.8 µm	e-pol. HE3o Ra < 0.5-0.8 µm
innen metallblank			
innen geschliffen			
innen e-poliert			
außen metallblank			
außen geschliffen			

Key

- external diameter
- internal diameter
- total length
- length of the branch

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

- DIN 11866
- BN2
- EN 10204
- EN 10088-1
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

EN ISO 1127

Packaging

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L

further materials on request

Surface condition

	 K400 H4o Ra < 0.4 µm	e-pol. HE5o Ra < 0.25 µm
inside bright finish		
inside mech. polished		
inside e-polished		
outside bright finish		
outside mech. polished		

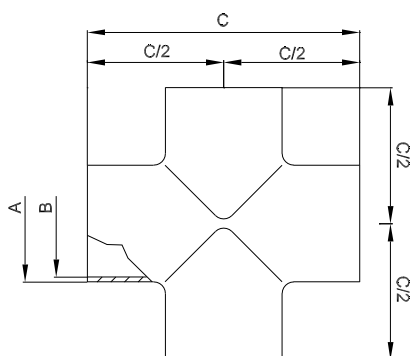


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
STERI-Cross® DN025 ISO (1.4435) aseptic cross piece -long/equal-	705931
e-poliert e-polished	
Ra < 0.6 µm	+ 999279



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	C/2		STERI-line®			HQ-line®
							MB	K400	e-pol.	
DN006	8.0 x 1.0	8.0	6.0	60.0	30.0		707743	707744	707745	*
DN008	10.0 x 1.0	10.0	8.0	60.0	30.0		707746	707747	707748	*
DN010	12.0 x 1.0	12.0	10.0	70.0	35.0		705876	705900	705901	*
DN010	13.0 x 1.5	13.0	10.0	70.0	35.0		705877	705902	705903	*
DN015	19.0 x 1.5	19.0	16.0	70.0	35.0		704968	705904	705905	*
DN020	23.0 x 1.5	23.0	20.0	80.0	40.0		703460	705906	705907	*
DN025	29.0 x 1.5	29.0	26.0	100.0	50.0		702921	705908	705909	*
DN032	35.0 x 1.5	35.0	32.0	110.0	55.0		703032	705910	705911	*
DN040	41.0 x 1.5	41.0	38.0	120.0	60.0		702994	705912	705913	*
DN050	53.0 x 1.5	53.0	50.0	160.0	80.0		705878	705914	705915	*
DN065	70.0 x 2.0	70.0	66.0	210.0	105.0		705879	705916	705917	*
DN080	85.0 x 2.0	85.0	81.0	260.0	130.0		705880	705918	705919	*
DN100	104.0 x 2.0	104.0	100.0	310.0	155.0		705881	705920	705921	*

ISO	Abmessung dimension	A	B	C	C/2		STERI-line®			HQ-line®
							MB	K400	e-pol.	
DN008	13.5 x 1.6	13.5	10.3	64.0	32.0		704987	705922	705923	*
DN010	17.2 x 1.6	17.2	14.0	68.0	34.0		705882	705924	705925	*
DN015	21.3 x 1.6	21.3	18.1	72.0	36.0		705883	705926	705927	*
DN020	26.9 x 1.6	26.9	23.7	110.0	55.0		704112	705928	705929	*
DN025	33.7 x 2.0	33.7	29.7	120.0	60.0		704973	705930	705931	*
DN032	42.4 x 2.0	42.4	38.4	130.0	65.0		705884	705932	705933	*
DN040	48.3 x 2.0	48.3	44.3	130.0	65.0		704372	705934	705935	*
DN050	60.3 x 2.0	60.3	56.3	180.0	90.0		705885	705936	705937	*
DN065	76.1 x 2.0	76.1	72.1	220.0	110.0		705886	705938	705939	*
DN080	88.9 x 2.3	88.9	84.3	260.0	130.0		705887	705940	705941	*
DN100	114.3 x 2.3	114.3	109.7	320.0	160.0		705888	705942	705943	*

ASME BPE	Abmessung dimension	A	B	C	C/2		STERI-line®			HQ-line®
							MB	K400	e-pol.	
DN 1/2"	12.7 x 1.65	12.7	9.4	95.2	47.6		705889	705945	705946	*
DN 3/4"	19.05 x 1.65	19.05	15.75	101.6	50.8		705890	705947	705948	*
DN 1"	25.4 x 1.65	25.4	22.1	108.0	54.0		704500	705949	705950	*
DN 1 1/2"	38.1 x 1.65	38.1	34.8	120.6	60.3		705891	705951	705952	*
DN 2"	50.8 x 1.65	50.8	47.5	146.0	73.0		703598	705953	705954	*
DN 2 1/2"	63.5 x 1.65	63.5	60.2	158.8	79.4		705892	705955	705956	*
DN 3"	76.2 x 1.65	76.2	72.9	171.4	85.7		705893	705957	705958	*
DN 4"	101.6 x 2.11	101.6	97.38	209.6	104.8		705894	705959	705960	*

*) auf Anfrage | on request

reduzierte Kreuz-Stücke sind ebenfalls lieferbar
reduced cross pieces are consignable too



5.8 STERI-Cross® K / HQ-Cross® K

Steril Kreuz-Stück -kurz/egal-

aseptic cross piece -short/equal-

Legende

- A Außendurchmesser
- B Innendurchmesser
- C Gesamtlänge
- D Länge Abgang

Abmessungen

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

- DIN 11866
- BN2
- EN 10088-1
- EN 10204
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

EN ISO 1127

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4435

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

		MB H2 Ra > 0.8 µm	K400 H3o Ra < 0.8 µm	e-pol. HE3o Ra < 0.5-0.8 µm
innen metallblank				
innen geschliffen				
innen e-poliert				
außen metallblank				
außen geschliffen				

Key

- external diameter
- internal diameter
- total length
- length of the branch

Dimensions

- DIN 11866-A (DIN 11850)
- DIN 11866-B (EN ISO 1127)
- DIN 11866-C (ASME BPE)

Normative References, Requirements / Approvals (raw material)

- DIN 11866
- BN2
- EN 10088-1
- EN 10204
- ASTM A269 / A270
- ASME BPE
- ASME SA249/SA249M
- AD 2000-W2

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

EN ISO 1127

Packaging

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L

further materials on request

Surface condition

	K400 H4o Ra < 0.4 µm	e-pol. HE5o Ra < 0.25 µm
inside bright finish		
inside mech. polished		
inside e-polished		
outside bright finish		
outside mech. polished		

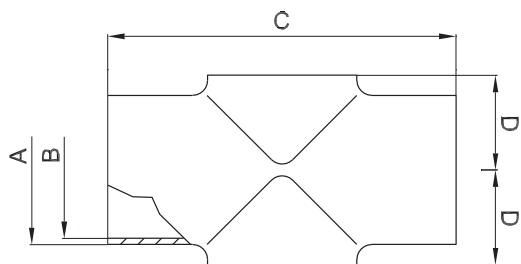


Oberflächenqualitäten | surface qualities

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
STERI-Cross® K DN025 ISO (1.4435) aseptic cross piece -short/equal-	709755
e-poliert e-polished	
Ra < 0.5 µm	+ 999280



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D		STERI-line®			HQ-line®
							MB	K400	e-pol.	
DN010	12.0 x 1.0	12.0	10.0	70.0	7.5		705850	711857	711858	*
DN010	13.0 x 1.5	XXX	XXX	XXX	XXX		XXX	XXX	XXX	*
DN015	19.0 x 1.5	19.0	16.0	70.0	11.0		702984	709782	709939	*
DN020	23.0 x 1.5	23.0	20.0	80.0	13.0		702834	711859	711860	*
DN025	29.0 x 1.5	29.0	26.0	100.0	16.0		702929	709044	709299	*
DN032	35.0 x 1.5	35.0	32.0	110.0	19.5		703916	711861	711862	*
DN040	41.0 x 1.5	41.0	38.0	120.0	23.0		703532	711863	709302	*
DN050	53.0 x 1.5	53.0	50.0	160.0	30.0		705852	711864	711865	*
DN065	70.0 x 2.0	70.0	66.0	210.0	40.0		705853	711866	711867	*
DN080	85.0 x 2.0	85.0	81.0	260.0	47.5		705854	711868	711869	*
DN100	104.0 x 2.0	104.0	100.0	310.0	58.0		705855	711870	711871	*

ISO	Abmessung dimension	A	B	C	D		STERI-line®			HQ-line®
							MB	K400	e-pol.	
DN008	13.5 x 1.6	XXX	XXX	XXX	XXX		XXX	XXX	XXX	*
DN010	17.2 x 1.6	17.2	14.0	68.0	10.1		705857	711872	711699	*
DN015	21.3 x 1.6	21.3	18.1	72.0	12.2		702907	711873	711874	*
DN020	26.9 x 1.6	26.9	23.7	110.0	15.0		705858	711875	711876	*
DN025	33.7 x 2.0	33.7	29.7	120.0	18.4		711877	703093	709755	*
DN032	42.4 x 2.0	42.4	38.4	130.0	23.2		711878	703092	709051	*
DN040	48.3 x 2.0	48.3	44.3	130.0	26.7		703096	711879	711880	*
DN050	60.3 x 2.0	60.3	56.3	180.0	33.7		705859	711881	711882	*
DN065	76.1 x 2.0	76.1	72.1	220.0	43.1		705860	711883	711884	*
DN080	88.9 x 2.3	88.9	84.3	260.0	49.5		704148	711885	711886	*
DN100	114.3 x 2.3	114.3	109.7	320.0	63.2		705861	711887	711888	*

ASME BPE	Abmessung dimension	A	B	C	D		STERI-line®			HQ-line®
							MB	K400	e-pol.	
DN 1/2"	12.7 x 1.65	XXX	XXX	XXX	XXX		XXX	XXX	XXX	*
DN 3/4"	19.05 x 1.65	19.05	15.75	101.6	11.0		705863	711889	711890	*
DN 1"	25.4 x 1.65	25.4	22.1	108.0	14.2		704501	711891	711892	*
DN 1 1/2"	38.1 x 1.65	38.1	34.8	120.6	21.1		705864	711893	711894	*
DN 2"	50.8 x 1.65	50.8	47.5	146.0	28.9		705865	711895	711896	*
DN 2 1/2"	63.5 x 1.65	63.5	60.2	158.8	35.3		705866	711897	711898	*
DN 3"	76.2 x 1.65	76.2	72.9	171.4	43.1		705867	711899	711900	*
DN 4"	101.6 x 2.11	101.6	97.38	209.6	56.8		705868	711901	711902	*

*) auf Anfrage | on request

reduzierte Kreuz-Stücke sind ebenfalls lieferbar
reduced cross pieces are consignable too



6. Schaugläser

Inspection glasses

Seite
page

6.1 Durchgangsschauglas straight way sight glass

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Metallverschmolzene Schaugläser, sowie diverse andere Schauglasarmaturen sind kurzfristig verfügbar.

Sight glass discs, as well as several different types of inspection glass fittings are available at short notice.

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 D Flansch-Außendurchmesser

Abmessungen

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 auf Anfrage: DIN 11866-C (ASME BPE)

**Normative Verweisungen,
 Anforderungen / Abnahmen (Vormaterial)**

BN2
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (Rohlinge)
 EN 10254 (Rohlinge)
 EN 10272
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A276
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (Rohlinge)
 AD 2000-W2
 Dichtungen:
 Zulassungen/Konformitäten wie auf
 Seite 73, bzw. 75 beschrieben

Kennzeichnung

Flansch: Hersteller, Werkstoff, Abmessung, Schmelze
 Glaszylinder: KST - Borosilicat, Abmessung

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Anschlüsse mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

1.4435 (mediumberührt)
 1.4301/1.4404 (nicht mediumberührt)
 Borosilikat (Glaszylinder)
 EPDM oder FKM/FEP ummantelt

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit**

innen: feinstgedreht, Ra < 0.8 µm
 außen: feingedreht, Ra < 1.6 µm

Key

external diameter
 internal diameter
 total length
 outer flange diameter

Dimensions

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 on request: DIN 11866-C (ASME BPE)

**Normative References,
 Requirements / Approvals (raw material)**

BN2
 EN 10088-1/-3
 EN 10204
 EN 10222-5 (forgings)
 EN 10254 (forgings)
 EN 10272
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A276
 ASTM A479/A479M / ASME SA479/SA479M
 ASME SA336 (forgings)
 AD 2000-W2
 Gaskets:
 approvals/conformities as described on
 page 73, 75 resp.

Marking

flange: manufacturer, material, dimension, heat
 glass cylinder: KST - Borosilicat, dimension

Tolerances (reference standard)

ISO 2768-1

Packaging

Connecting ends covered with plastic caps,
 wrapped separately.

Materials

316L (at medium contact surface)
 304/316L (not at medium contact surface)
 Borosilicate (glass cylinder)
 EPDM or FKM/FEP encapsulated

further materials on request**Surface condition**

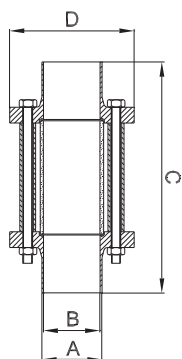
inside: ultra-fine turned, Ra < 0.8 µm
 outside: refined turned, Ra < 1.6 µm

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Durchgangsschauglas S-S DN025 ISO (1.4435, EPDM) straight way sight glass System KST	700756
e-poliert e-polished	+ 999277
Ra < 0.5 µm	+ 999280



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D	PN (bar)	S-S EPDM	S-S FKM/FEP *	TC-TC EPDM	TC-TC FKM/FEP *
DN010	13.0 x 1.5	13.0	10.0	143.0	65.0	25	700691	700701	700711	700731
DN015	19.0 x 1.5	19.0	16.0	133.0	59.0	10	700692	700702	700712	700732
DN020	23.0 x 1.5	23.0	20.0	145.0	80.0	10	700693	700703	700713	700733
DN025	29.0 x 1.5	29.0	26.0	136.0	70.0	10	700694	700704	700714	700734
DN032	35.0 x 1.5	35.0	32.0	155.0	95.0	10	700695	700705	700715	700735
DN040	41.0 x 1.5	41.0	38.0	155.0	100.0	10	700696	700706	700716	700736
DN050	53.0 x 1.5	53.0	50.0	159.0	110.0	10	700697	700707	700717	700737
DN065	70.0 x 2.0	70.0	66.0	189.0	113.0	10	700698	700708	700718	700738
DN080	85.0 x 2.0	85.0	81.0	192.0	133.0	8	700699	700709	700719	700739
DN100	104.0 x 2.0	104.0	100.0	225.0	159.0	6	700700	700710	700720	700740
DN125	129.0 x 2.0	129.0	125.0	274.0	183.0	7	712042	712044	712046	712048
DN150	154.0 x 2.0	154.0	150.0	284.0	213.0	7	712043	712045	712047	712049

ISO	Abmessung dimension	A	B	C	D	PN (bar)	S-S EPDM	S-S FKM/FEP *	TC-TC EPDM	TC-TC FKM/FEP *
DN008	13.5 x 1.6	13.5	10.3	143.0	60.0	25	700752	700764	700776	700800
DN010	17.2 x 1.6	17.2	14.0	141.0	65.0	20	700753	700765	700777	700801
DN015	21.3 x 1.6	21.3	18.1	141.0	75.0	10	700754	700766	700778	700802
DN020	26.9 x 1.6	26.9	23.7	145.0	80.0	10	700755	700767	700779	700803
DN025	33.7 x 2.0	33.7	29.7	155.0	85.0	10	700756	700768	700780	700804
DN032	42.4 x 2.0	42.4	38.4	155.0	95.0	10	700757	700769	700781	700805
DN040	48.3 x 2.0	48.3	44.3	155.0	100.0	6	700758	700770	700782	700806
DN050	60.3 x 2.0	60.3	56.3	163.0	110.0	6	700759	700771	700783	700807
DN065	76.1 x 2.0	76.1	72.1	213.0	140.0	6	700760	700772	700784	700808
DN080	88.9 x 2.3	88.9	84.3	201.0	150.0	5	700761	700773	700785	700809
DN100	114.3 x 2.3	114.3	109.7	225.0	175.0	4	700762	700774	700786	700810

*) ummantelt | encapsulated

S-S beidseitig Orbitalschweißenden | orbital welding ends on both sides

TC-TC beidseitig Clampstutzen | TC connection on both sides



6.1.1 Ersatzteile/Zubehör für Durchgangsschauglas

spare parts/accessories for straight way sight glass



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	Dichtungssatz gasket set		Glaszylinder glass cylinder	Splitterschutz safety screen	
		EPDM	FKM/FEP **		1.4301/304	Polycarbonat
DN010	13.0 x 1.5	711032	711063	700741	700825	708604
DN015	19.0 x 1.5	711033	711064	700742	700826	708605
DN020	23.0 x 1.5	711034	711065	700743	700827	708606
DN025	29.0 x 1.5	711035	711066	700744	700828	708607
DN032	35.0 x 1.5	711036	711067	700745	700829	708608
DN040	41.0 x 1.5	711037	711068	700746	700830	708609
DN050	53.0 x 1.5	711038	711069	700747	700831	708610
DN065	70.0 x 2.0	711039	711070	700748	700832	708611
DN080	85.0 x 2.0	711040	711071	700749	700833	708612
DN100	104.0 x 2.0	711041	711072	700750	700834	708613
DN125	129.0 x 2.0	711042	711073	712041	*	*
DN150	154.0 x 2.0	711043	711074	709417	*	*

ISO	Abmessung dimension	Dichtungssatz gasket set		Glaszylinder glass cylinder	Splitterschutz safety screen	
		EPDM	FKM/FEP **		1.4301/304	Polycarbonat
DN008	13.5 x 1.6	711044	711075	700812	707819	708604
DN010	17.2 x 1.6	711045	711076	700813	707820	708605
DN015	21.3 x 1.6	711046	711077	700814	707821	708606
DN020	26.9 x 1.6	711047	711078	700815	707822	708607
DN025	33.7 x 2.0	711048	711079	700816	707823	708608
DN032	42.4 x 2.0	711049	711080	700817	707824	708609
DN040	48.3 x 2.0	711050	711081	700818	707825	708610
DN050	60.3 x 2.0	711051	711082	700819	707826	708611
DN065	76.1 x 2.0	711052	711083	700820	707827	708612
DN080	88.9 x 2.3	711053	711084	700821	707828	708612
DN100	114.3 x 2.3	711054	711085	700822	707829	708613

*) auf Anfrage | on request

**) ummantelt | encapsulated



7. Ventile

Valves

		Seite page
7.1	Ecküberströmventil overflow valve	135
7.2	Bodensitzventil bottom seat valve	137
7.3	Tellerrückschlagventil check valve / non return disk valve	139
7.4	Probenahmeventil sampling valve	142

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 E Einbaumaß
 F Einbauhöhe

Abmessungen

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 auf Anfrage: DIN 11866-C (ASME BPE)

**Normative Verweisungen,
 Anforderungen / Abnahmen (Vormaterial)**

EN 10088-1/-3
 EN 10204
 EN 10272
 Dichtungen (mediumberührt): FDA konform

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Anschlüsse mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

1.4404 / EPDM (mediumberührt)
 1.4301 / NBR (nicht mediumberührt)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit**

innen: feinstgedreht, $R_a < 0.8 \mu\text{m}$
 außen: feingedreht, $R_a < 1.6 - 2.5 \mu\text{m}$

Key

external diameter
 internal diameter
 total length
 assembly dimension
 assembly level

Dimensions

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 on request: DIN 11866-C (ASME BPE)

**Normative References,
 Requirements / Approvals (raw material)**

EN 10088-1/-3
 EN 10204
 EN 10272
 Gaskets (at medium contact surface): FDA compliant

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

ISO 2768-1

Packaging

Connecting ends covered with plastic caps,
 wrapped separately.

Materials

316L / EPDM (at medium contact surface)
 304 / NBR (not at medium contact surface)

further materials on request**Surface condition**

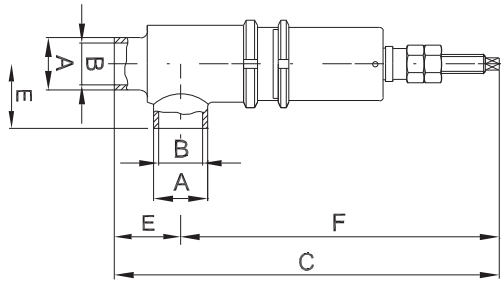
inside: ultra-fine turned, $R_a < 0.8 \mu\text{m}$
 outside: refined turned, $R_a < 1.6 - 2.5 \mu\text{m}$

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
$R_a < 0.6 \mu\text{m}$ (STERI-line®)	999279
$R_a < 0.5 \mu\text{m}$ (STERI-line®)	999280
$R_a < 0.4 \mu\text{m}$ (HQ-line®)	999281
$R_a < 0.25 \mu\text{m}$ (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Ecküberströmventil DN025 ISO (1.4404, EPDM) overflow valve System KST	704906
e-poliert e-polished	+ 999277
$R_a < 0.6 \mu\text{m}$	+ 999279



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	E	F	P (bar)	S-S 1.4404	TC-TC 1.4404	K/M-G 1.4404	
DN010	13.0 x 1.5	13.0	10.0	255.0	40.0	215.0	0.5 - 6.0	704892	*	*	
DN015	19.0 x 1.5	19.0	16.0	255.0	40.0	215.0	0.5 - 6.0	704893	*	*	
DN020	23.0 x 1.5	23.0	20.0	255.0	40.0	215.0	0.5 - 6.0	704894	*	*	
DN025	29.0 x 1.5	29.0	26.0	255.0	40.0	215.0	0.5 - 6.0	704895	*	*	
DN032	35.0 x 1.5	35.0	32.0	335.0	55.0	280.0	0.5 - 10.0	704896	*	*	
DN040	41.0 x 1.5	41.0	38.0	350.0	60.0	290.0	0.5 - 10.0	704897	*	*	
DN050	53.0 x 1.5	53.0	50.0	365.0	70.0	295.0	0.5 - 8.0	704898	*	*	
DN065	70.0 x 2.0	70.0	66.0	485.0	80.0	405.0	0.5 - 8.0	704899	*	*	
DN080	85.0 x 2.0	85.0	81.0	545.0	90.0	455.0	0.5 - 6.0	704900	*	*	
DN100	104.0 x 2.0	104.0	100.0	650.0	100.0	550.0	0.5 - 4.0	704901	*	*	

ISO	Abmessung dimension	A	B	C	E	F	P (bar)	S-S 1.4404	TC-TC 1.4404	K/M-G 1.4404	
DN008	13.5 x 1.6	13.5	10.3	255.0	40.0	215.0	0.5 - 6.0	704902	*	*	
DN010	17.2 x 1.6	17.2	14.0	255.0	40.0	215.0	0.5 - 6.0	704903	*	*	
DN015	21.3 x 1.6	21.3	18.1	255.0	40.0	215.0	0.5 - 6.0	704904	*	*	
DN020	26.9 x 1.6	26.9	23.7	255.0	40.0	215.0	0.5 - 6.0	704905	*	*	
DN025	33.7 x 2.0	33.7	29.7	320.0	40.0	280.0	0.5 - 10.0	704906	*	*	
DN032	42.4 x 2.0	42.4	38.4	340.0	50.0	290.0	0.5 - 10.0	704907	*	*	
DN040	48.3 x 2.0	48.3	44.3	365.0	70.0	295.0	0.5 - 10.0	704908	*	*	
DN050	60.3 x 2.0	60.3	56.3	485.0	80.0	405.0	0.5 - 8.0	704909	*	*	
DN065	76.1 x 2.0	76.1	72.1	550.0	95.0	455.0	0.5 - 8.0	704910	*	*	
DN080	88.9 x 2.3	88.9	84.3	570.0	115.0	455.0	0.5 - 6.0	704911	*	*	
DN100	114.3 x 2.3	114.3	109.7	705.0	155.0	550.0	0.5 - 4.0	704912	*	*	

*) auf Anfrage | on request

P Druckeinstellbereich | pressure adjustment range

S-S beidseitig Orbitalschweißenden | orbital welding ends on both sides

TC-TC beidseitig Clampstutzen | TC connection on both sides

K/M-G Kegel-/Bundstutzen mit Nutmutter - Gewindestutzen | liner with nut - threaded connecting piece (male part)

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 D größter Außendurchmesser

Abmessungen

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 auf Anfrage: DIN 11866-C (ASME BPE)

**Normative Verweisungen,
 Anforderungen / Abnahmen (Vormaterial)**

EN 10088-1/-3
 EN 10204
 EN 10272
 Dichtungen (mediumberührt): FDA konform

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Anschlüsse mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

1.4404 / EPDM (mediumberührt)
 1.4301 / NBR (nicht mediumberührt)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit ("MB")**

innen: feinstgedreht, Ra < 0.8 µm
 außen: feingedreht, Ra < 1.6 - 2.5 µm

Key

external diameter
 internal diameter
 total length
 biggest external diameter

Dimensions

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 on request: DIN 11866-C (ASME BPE)

**Normative References,
 Requirements / Approvals (raw material)**

EN 10088-1/-3
 EN 10204
 EN 10272
 Gaskets (at medium contact surface): FDA compliant

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

ISO 2768-1

Packaging

Connecting ends covered with plastic caps,
 wrapped separately.

Materials

316L / EPDM (at medium contact surface)
 304 / NBR (not at medium contact surface)

further materials on request**Surface condition ("MB")**

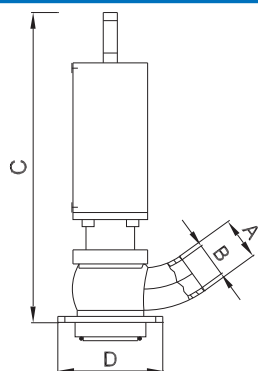
inside: ultra-fine turned, Ra < 0.8 µm
 outside: refined turned, Ra < 1.6 - 2.5 µm

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
Ra < 0.6 µm (STERI-line®)	999279
Ra < 0.5 µm (STERI-line®)	999280
Ra < 0.4 µm (HQ-line®)	999281
Ra < 0.25 µm (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Bodensitzventil DN025 ISO (1.4404, EPDM) bottom seat valve System KST	705505
e-poliert e-polished	+ 999277
Ra < 0.5 µm	+ 999280



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D		MB 1.4404			
DN025	29.0 x 1.5	29.0	26.0	425.0	108.0		705497			
DN032	35.0 x 1.5	35.0	32.0	430.0	108.0		705498			
DN040	41.0 x 1.5	41.0	38.0	435.0	133.0		705499			
DN050	53.0 x 1.5	53.0	50.0	450.0	146.0		705500			
DN065	70.0 x 2.0	70.0	66.0	470.0	174.0		705501			
DN080	85.0 x 2.0	85.0	81.0	620.0	186.0		705502			
DN100	104.0 x 2.0	104.0	100.0	640.0	219.0		705503			

ISO	Abmessung dimension	A	B	C	D		MB 1.4404			
DN020	26.9 x 1.6	26.9	23.7	425.0	108.0		705504			
DN025	33.7 x 2.0	33.7	29.7	430.0	108.0		705505			
DN032	42.4 x 2.0	42.4	38.4	435.0	133.0		705506			
DN040	48.3 x 2.0	48.3	44.3	450.0	146.0		705507			
DN050	60.3 x 2.0	60.3	56.3	470.0	174.0		705508			
DN065	76.1 x 2.0	76.1	72.1	620.0	186.0		705509			
DN080	88.9 x 2.3	88.9	84.3	640.0	219.0		705510			

**Legende**

- A Außendurchmesser
 B Innendurchmesser
 C Gesamtlänge
 D größter Außendurchmesser

Abmessungen

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

**Normative Verweisungen,
 Anforderungen / Abnahmen (Vormaterial)**

BN2 (gültig für Bauteile in 1.4435)
 EN 10088-1/-3
 EN 10204
 EN 10272
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A276
 ASTM A479/A479M / ASME SA479/SA479M
 AD 2000-W2
 Dichtungen:
 Zulassungen/Konformitäten wie auf
 Seite 73, bzw. 75 beschrieben

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Anschlüsse mit Kunststoffkappen verschlossen,
 einzeln verpackt.

Werkstoffe

1.4435 (mediumberührt)
 1.4401 (Feder)
 EPDM oder FKM/FEP ummantelt
 1.4301/08 (nicht mediumberührt)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit**

innen: feinstgedreht, $R_a < 0.8 \mu\text{m}$
 außen: feingedreht, $R_a < 1.6 \mu\text{m}$

Key

external diameter
 internal diameter
 total length
 biggest external diameter

Dimensions

DIN 11866-A (DIN 11850)
 DIN 11866-B (EN ISO 1127)
 DIN 11866-C (ASME BPE)

**Normative References,
 Requirements / Approvals (raw material)**

BN2 (valid for components in 1.4435)
 EN 10088-1/-3
 EN 10204
 EN 10272
 ASTM A182/A182M / ASME SA182/SA182M
 ASTM A276
 ASTM A479/A479M / ASME SA479/SA479M
 AD 2000-W2
 Gaskets:
 approvals/conformities as described on
 page 73, 75 resp.

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

ISO 2768-1

Packaging

Connecting ends covered with plastic caps,
 wrapped separately.

Materials

316L (at medium contact surface)
 316L (spring)
 EPDM or FKM/FEP encapsulated
 304 (not at medium contact surface)

further materials on request**Surface condition**

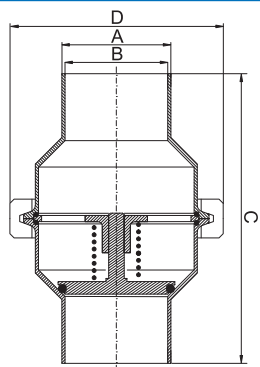
inside: ultra-fine turned, $R_a < 0.8 \mu\text{m}$
 outside: refined turned, $R_a < 1.6 \mu\text{m}$

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
$R_a < 0.6 \mu\text{m}$ (STERI-line®)	999279
$R_a < 0.5 \mu\text{m}$ (STERI-line®)	999280
$R_a < 0.4 \mu\text{m}$ (HQ-line®)	999281
$R_a < 0.25 \mu\text{m}$ (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Tellerrückschlagventil S-S DN025 ISO (1.4435, EPDM) check valve System KST	703774
e-poliert e-polished	+ 999277
$R_a < 0.6 \mu\text{m}$	+ 999279



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	D	S-S EPDM	S-S FKM/FEP *	TC-TC AØ OD	TC-TC EPDM	TC-TC FKM/FEP *
DN010	12.0 x 1.0	12.0	10.0	132.4	57.0	701604	712051	25.0	708047	712061
DN010	13.0 x 1.5	13.0	10.0	134.0	57.0	712050	712052	34.0	701612	712062
DN015	19.0 x 1.5	19.0	16.0	127.0	57.0	708621	712053	34.0	701613	712063
DN020	23.0 x 1.5	23.0	20.0	110.0	57.0	701606	712054	34.0	701614	712064
DN025	29.0 x 1.5	29.0	26.0	126.0	89.0	701607	712055	50.5	701615	712065
DN032	35.0 x 1.5	35.0	32.0	120.0	89.0	701608	712056	50.5	701616	712066
DN040	41.0 x 1.5	41.0	38.0	187.0	118.0	701609	708485	50.5	701617	712067
DN050	53.0 x 1.5	53.0	50.0	175.0	118.0	701610	712057	64.0	701618	712068
DN065	70.0 x 2.0	70.0	66.0	176.0	127.0	701611	712058	91.0	701619	712069
DN080	85.0 x 2.0	85.0	81.0	190.0	158.0	705049	712059	106.0	705051	712070
DN100	104.0 x 2.0	104.0	100.0	200.0	197.0	705050	712060	119.0	705052	712071

ISO	Abmessung dimension	A	B	C	D	S-S EPDM	S-S FKM/FEP *	TC-TC AØ OD	TC-TC EPDM	TC-TC FKM/FEP *
DN008	13.5 x 1.6	13.5	10.3	132.4	57.0	704623	712074	25.0	709153	712085
DN010	17.2 x 1.6	17.2	14.0	132.4	57.0	704607	712075	25.0	712072	712086
DN015	21.3 x 1.6	21.3	18.1	125.0	57.0	702497	712076	50.5	708901	712087
DN020	26.9 x 1.6	26.9	23.7	109.0	89.0	703773	712077	50.5	703915	712088
DN025	33.7 x 2.0	33.7	29.7	126.0	89.0	703774	712078	50.5	704173	712089
DN032	42.4 x 2.0	42.4	38.4	120.0	118.0	704622	712079	64.0	712073	712090
DN040	48.3 x 2.0	48.3	44.3	198.0	118.0	703772	712080	64.0	704172	712091
DN050	60.3 x 2.0	60.3	56.3	175.0	118.0	704621	712081	77.5	704627	712092
DN065	76.1 x 2.0	76.1	72.1	184.0	127.0	705492	712082	91.0	704628	712093
DN080	88.9 x 2.3	88.9	84.3	190.0	158.0	705493	712083	106.0	705600	712094
DN100	114.3 x 2.3	114.3	109.7	200.0	197.0	705494	712084	130.0	705601	712095

ASME BPE	Abmessung dimension	A	B	C	D	S-S EPDM	S-S FKM/FEP *	TC-TC AØ OD	TC-TC EPDM	TC-TC FKM/FEP *
DN 1/2"	12.7 x 1.65	12.7	9.4	132.4	57.0	706020	712096	25.0	706028	712104
DN 3/4"	19.05 x 1.65	19.05	15.75	127.0	57.0	706021	712097	25.0	706029	712105
DN 1"	25.4 x 1.65	25.4	22.1	126.0	89.0	706022	712098	50.5	706030	712106
DN 1 1/2"	38.1 x 1.65	38.1	34.8	191.0	89.0	706023	712099	50.5	706031	712107
DN 2"	50.8 x 1.65	50.8	47.5	178.0	118.0	706024	712100	64.0	706032	712108
DN 2 1/2"	63.5 x 1.65	63.5	60.2	175.0	118.0	706025	712101	77.5	706033	712109
DN 3"	76.2 x 1.65	76.2	72.9	158.0	127.0	706026	712102	91.0	706034	712110
DN 4"	101.6 x 2.11	101.6	97.38	200.0	197.0	706027	712103	119.0	706035	712111

*) ummantelt | encapsulated

S-S beidseitig Orbitalschweißenden | orbital welding ends on both sides

TC-TC beidseitig Clampstutzen | TC connection on both sides

- horizontaler oder vertikaler Einbau möglich
- Öffnungsdruck ab 0.25 bar
- weitere Anschlußvarianten auf Anfrage

- horizontal or vertical installation possible
- cracking pressure from 0.25 bar on
- further connecting variants on request





7.3.1 Ersatzteilliste für Tellerrückschlagventil

spare part list for check valve



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	Dichtungssatz gasket set		Druckfeder pressure spring	
		EPDM	FKM/FEP *	1.4401	
DN010	12.0 x 1.0	706057	706376	708080	
DN010	13.0 x 1.5	706057	706376	708080	
DN015	19.0 x 1.5	706058	706377	708080	
DN020	23.0 x 1.5	706059	706378	708080	
DN025	29.0 x 1.5	706060	706379	708081	
DN032	35.0 x 1.5	706061	706380	708081	
DN040	41.0 x 1.5	706062	706381	708082	
DN050	53.0 x 1.5	706063	706382	708082	
DN065	70.0 x 2.0	706064	706383	708083	
DN080	85.0 x 2.0	706065	706384	708084	
DN100	104.0 x 2.0	706375	706385	708084	

ISO	Abmessung dimension	Dichtungssatz gasket set		Druckfeder pressure spring	
		EPDM	FKM/FEP *	1.4401	
DN008	13.5 x 1.6	706386	706387	708080	
DN010	17.2 x 1.6	706388	706389	708080	
DN015	21.3 x 1.6	706390	706391	708080	
DN020	26.9 x 1.6	706392	706393	708081	
DN025	33.7 x 2.0	706394	706395	708081	
DN032	42.4 x 2.0	706396	706397	708082	
DN040	48.3 x 2.0	706398	706399	708082	
DN050	60.3 x 2.0	706400	706401	708083	
DN065	76.1 x 2.0	706402	706403	708083	
DN080	88.9 x 2.3	706404	706405	708084	
DN100	114.3 x 2.3	706406	706407	708084	

ASME BPE	Abmessung dimension	Dichtungssatz gasket set		Druckfeder pressure spring	
		EPDM	FKM/FEP *	1.4401	
DN ½"	12.7 x 1.65	706408	706409	708080	
DN ¾"	19.05 x 1.65	706410	706411	708080	
DN 1"	25.4 x 1.65	706412	706413	708081	
DN 1½"	38.1 x 1.65	706414	706415	708082	
DN 2"	50.8 x 1.65	706416	706417	708082	
DN 2½"	63.5 x 1.65	706418	706419	708083	
DN 3"	76.2 x 1.65	706420	706421	708083	
DN 4"	101.6 x 2.11	706422	706423	708084	

*) ummantelt | encapsulated

**Legende**

- A Außendurchmesser
B Innendurchmesser
C Gesamtlänge

Abmessungen

DN025 DIN ("Einheitsgröße")

Normative Verweisungen, Anforderungen / Abnahmen (Vormaterial)

DIN 11866
BN2
EN 10088-1/-3
EN 10204
EN 10272
ASTM A182/A182M / ASME SA182/SA182M
ASTM A276
ASTM A479/A479M / ASME SA479/SA479M
AD 2000-W2
Dichtungen: FDA konform

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Anschlüsse mit Kunststoffkappen verschlossen, einzeln verpackt.

Werkstoffe

1.4435 / PTFE (mediumberührt)
1.4301 / 1.4404 (nicht mediumberührt)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit**

innen: feinstgedreht, $R_a < 0.8 \mu\text{m}$
außen: feingedreht, $R_a < 1.6 \mu\text{m}$

Key

external diameter
internal diameter
total length

Dimensions

DN025 DIN ("one size fits all")

Normative References, Requirements / Approvals (raw material)

DIN 11866
BN2
EN 10088-1/-3
EN 10204
EN 10272
ASTM A182/A182M / ASME SA182/SA182M
ASTM A276
ASTM A479/A479M / ASME SA479/SA479M
AD 2000-W2
Gaskets: FDA compliant

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

ISO 2768-1

Packaging

Connecting ends covered with plastic caps, wrapped separately.

Materials

316L / PTFE (at medium contact surface)
304 / 316L (not at medium contact surface)

further materials on request**Surface condition**

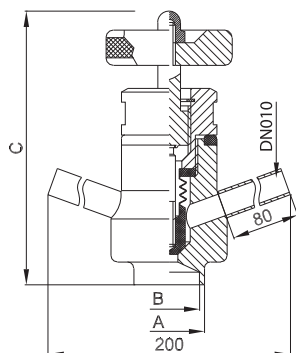
inside: ultra-fine turned, $R_a < 0.8 \mu\text{m}$
outside: refined turned, $R_a < 1.6 \mu\text{m}$

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
$R_a < 0.6 \mu\text{m}$ (STERI-line®)	999279
$R_a < 0.5 \mu\text{m}$ (STERI-line®)	999280
$R_a < 0.4 \mu\text{m}$ (HQ-line®)	999281
$R_a < 0.25 \mu\text{m}$ (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
Probenahmeventil S-S-S DN025 DIN (1.4435) sampling valve	704109
e-poliert e-polished	+ 999277
$R_a < 0.6 \mu\text{m}$	+ 999279



DIN	Abmessung dimension	A	B	C S-S-S	C "Ingold"		MB S-S-S 1.4435	MB "Ingold" 1.4435		
DN025	29.0 x 1.5	29.0	26.0	ca. 125.0	162.0		704109	704913		

S-S-S: Reinigungs-/Tankeinschweiß-/Probenahmestutzen | cleaning-/ tank-/ sampling nozzle

S-"Ingold"-S: Reinigungs-/ Ingold-/ Probenahmestutzen | cleaning-/ Ingold-/ sampling nozzle

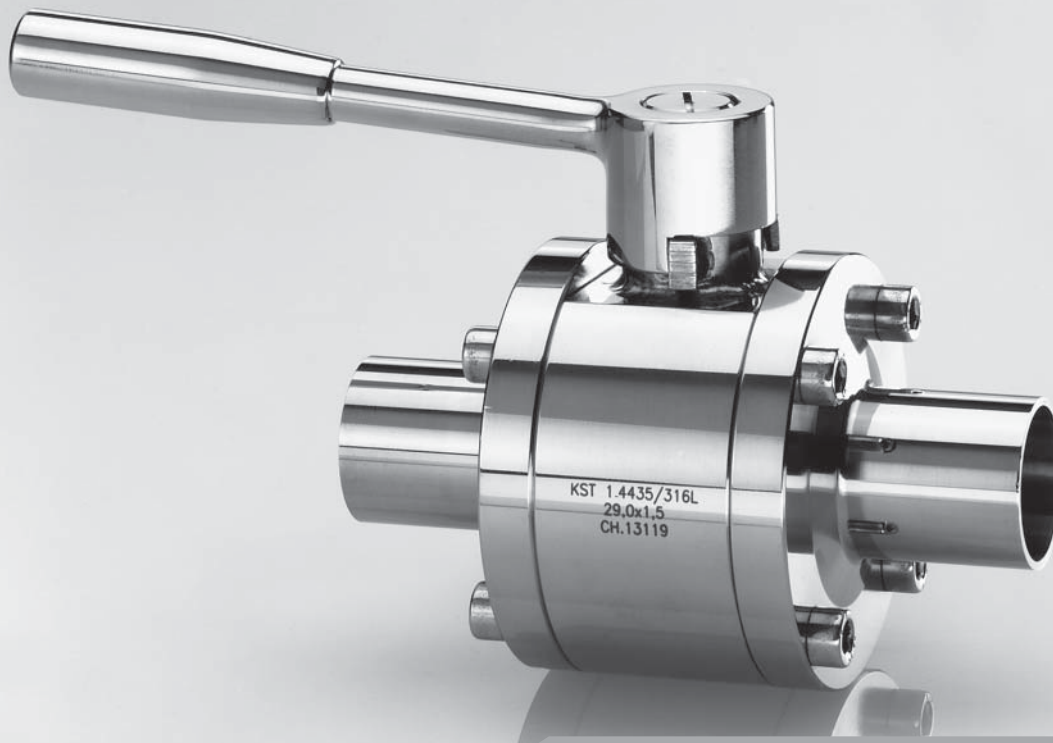


weitere Anschlußvarianten auf Anfrage
further connecting variants on request

spare part list for sampling valve

7.4.1 Ersatzteilliste für Probenahmeventil

DIN	Abmessung dimension	Dichtungssatz (FDA konform) gasket set (FDA compliant)	Faltenbalg (FDA konform) bellows (FDA compliant)
		PTFE	PTFE
DN025	29.0 x 1.5	709435	709436



8. Kugelhahn

Ball Cock/Ball Valve

Seite
page

- 8.1 3-teiliger Kugelhahn
tripartite ball cock/ball valve

145

**Legende**

- A Außendurchmesser
B Innendurchmesser
C Gesamtlänge

Abmessungen

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
auf Anfrage: DIN 11866-C (ASME BPE)

**Normative Verweisungen,
Anforderungen / Abnahmen (Vormaterial)**

BN2
EN 10088-1/-3
EN 10204
EN 10272
ASTM A182/A182M / ASME SA182/SA182M
ASTM A276
ASTM A479/A479M / ASME SA479/SA479M
AD 2000-W2
Dichtungen: FDA konform

Kennzeichnung

Hersteller, Werkstoff, Abmessung, Schmelze

Toleranzen (Bezugsnorm)

ISO 2768-1

Verpackung

Schweißenden mit Kunststoffkappen verschlossen,
einzeln verpackt.

Werkstoffe

1.4435 / PTFE (mediumberührt)

weitere Werkstoffe auf Anfrage**Oberflächenbeschaffenheit**

innen: feinstgedreht, $R_a < 0.8 \mu\text{m}$
außen: feingedreht, $R_a < 1.6 \mu\text{m}$

Key

external diameter
internal diameter
total length

Dimensions

DIN 11866-A (DIN 11850)
DIN 11866-B (EN ISO 1127)
on request: DIN 11866-C (ASME BPE)

**Normative References,
Requirements / Approvals (raw material)**

BN2
EN 10088-1/-3
EN 10204
EN 10272
ASTM A182/A182M / ASME SA182/SA182M
ASTM A276
ASTM A479/A479M / ASME SA479/SA479M
AD 2000-W2
Gaskets: FDA compliant

Marking

manufacturer, material, dimension, heat

Tolerances (reference standard)

ISO 2768-1

Packaging

Welding ends covered with plastic caps,
wrapped separately.

Materials

316L / PTFE (at medium contact surface)

further materials on request**Surface condition**

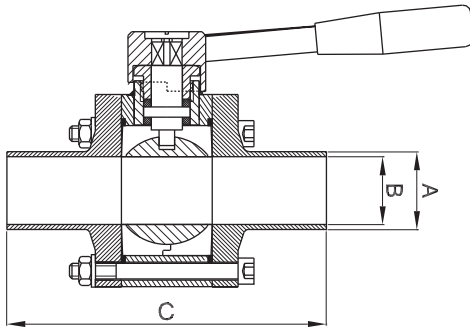
inside: ultra-fine turned, $R_a < 0.8 \mu\text{m}$
outside: refined turned, $R_a < 1.6 \mu\text{m}$

**Oberflächenqualitäten | surface qualities**

Innenoberfläche internal surface finish	(Zusatz-) Artikel-Nr. (additional) order No
e-poliert e-polished	999277
$R_a < 0.6 \mu\text{m}$ (STERI-line®)	999279
$R_a < 0.5 \mu\text{m}$ (STERI-line®)	999280
$R_a < 0.4 \mu\text{m}$ (HQ-line®)	999281
$R_a < 0.25 \mu\text{m}$ (HQ-line®)	999283

Bestellbeispiel | ordering example

Artikelbezeichnung + Ausführungen article description + variants	Artikel-Nr. order No
3-teiliger Kugelhahn DN025 ISO (1.4435) tripartite ball valve System KST	705593
e-poliert e-polished	+ 999277
$R_a < 0.6 \mu\text{m}$	+ 999279



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C			S-S 1.4435			
DN010	13.0 x 1.5	13.0	10.0	97.0			705582			
DN015	19.0 x 1.5	19.0	16.0	125.0			705583			
DN020	23.0 x 1.5	23.0	20.0	133.0			705584			
DN025	29.0 x 1.5	29.0	26.0	154.0			705585			
DN032	35.0 x 1.5	35.0	32.0	154.0			705586			
DN040	41.0 x 1.5	41.0	38.0	160.0			705587			
DN050	53.0 x 1.5	53.0	50.0	180.0			705588			

ISO	Abmessung dimension	A	B	C			S-S 1.4435			
DN008	13.5 x 1.6	13.5	10.3	97.0			705589			
DN010	17.2 x 1.6	17.2	14.0	125.0			705590			
DN015	21.3 x 1.6	21.3	18.1	133.0			705591			
DN020	26.9 x 1.6	26.9	23.7	154.0			705592			
DN025	33.7 x 2.0	33.7	29.7	154.0			705593			
DN032	42.4 x 2.0	42.4	38.4	160.0			705594			
DN040	48.3 x 2.0	48.3	44.3	180.0			705595			

S-S beidseitig Orbitalgeschweißenden | orbital welding ends on both sides

weitere Anschlußvarianten auf Anfrage
further connecting variants on request

8.1.1 Ersatzteilliste für Kugelhahn System KST

spare part list for ball cock/ball valve system KST

DIN	Abmessung dimension	Dichtungssatz gasket set	
		PTFE	
DN010	13.0 x 1.5	712120	
DN015	19.0 x 1.5	712121	
DN020	23.0 x 1.5	712122	
DN025	29.0 x 1.5	712123	
DN032	35.0 x 1.5	712124	
DN040	41.0 x 1.5	712125	
DN050	53.0 x 1.5	712126	

ISO	Abmessung dimension	Dichtungssatz gasket set	
		PTFE	
DN008	13.5 x 1.6	712130	
DN010	17.2 x 1.6	712131	
DN015	21.3 x 1.6	712132	
DN020	26.9 x 1.6	712133	
DN025	33.7 x 2.0	712134	
DN032	42.4 x 2.0	712135	
DN040	48.3 x 2.0	712136	



9. Rohrschellen

Pipe Hangers

Seite
page

9.1	Rohrschellen ohne Schaft pipe hangers without shank	148
9.2	Rohrschellen mit Schweisschaft pipe hangers with welding shank	150
9.3	Rohrschellen mit Gewindenschaft pipe hangers with threaded shank	152



Legende

- A Innendurchmesser
- E Bandbreite / -stärke
- G Schraubengröße

Werkstoffe

1.4301

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

elektropoliert

Key

- internal diameter
- strip width / -strength
- bolt size

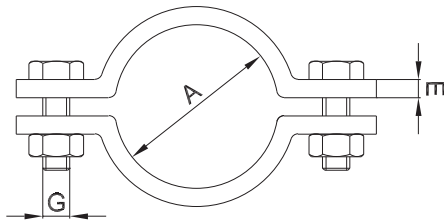
Materials

304

further materials on request

Surface condition

electropolished



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	E	G			1.4301 304			
DN010	12.0 x 1.0	12.0	20.0 x 3.0	M6			703527			
DN010	13.0 x 1.5	12.0	20.0 x 3.0	M6			703527			
DN015	19.0 x 1.5	18.0	20.0 x 3.0	M6			703526			
DN020	23.0 x 1.5	22.0	20.0 x 3.0	M6			704528			
DN025	29.0 x 1.5	28.0	20.0 x 3.0	M6			705512			
DN032	35.0 x 1.5	34.0	20.0 x 3.0	M6			705513			
DN040	41.0 x 1.5	40.0	20.0 x 3.0	M6			705514			
DN050	53.0 x 1.5	52.0	20.0 x 3.0	M6			702942			
DN065	70.0 x 2.0	70.0	20.0 x 3.0	M6			705515			
DN080	85.0 x 2.0	85.0	25.0 x 3.0	M6			705516			
DN100	104.0 x 2.0	104.0	25.0 x 3.0	M6			705517			
DN125	129.0 x 2.0	129.0	30.0 x 3.0	M8			705604			
DN150	154.0 x 2.0	154.0	30.0 x 3.0	M8			705605			

ISO	Abmessung dimension	A	E	G			1.4301 304			
DN008	13.5 x 1.6	13.5	20.0 x 3.0	M6			705518			
DN010	17.2 x 1.6	18.0	20.0 x 3.0	M6			705670			
DN015	21.3 x 1.6	21.3/22.0	20.0 x 3.0	M6			703009			
DN020	26.9 x 1.6	26.9	20.0 x 3.0	M6			703015			
DN025	33.7 x 2.0	33.7	20.0 x 3.0	M6			703008			
DN032	42.4 x 2.0	42.4	20.0 x 3.0	M6			705062			
DN040	48.3 x 2.0	48.3	20.0 x 3.0	M6			705063			
DN050	60.3 x 2.0	60.3	20.0 x 3.0	M6			705064			
DN065	76.1 x 2.0	76.2	25.0 x 3.0	M6			703014			
DN080	88.9 x 2.3	88.9	25.0 x 3.0	M6			705065			
DN100	114.3 x 2.3	114.3	25.0 x 3.0	M6			705066			
DN125	139.7 x 2.6	139.7	30.0 x 3.0	M8			702943			
DN150	168.3 x 2.6	168.3	40.0 x 4.0	M8			702941			

ASME BPE	Abmessung dimension	A	E	G			1.4301 304			
DN 1/2"	12.7 x 1.65	12.0	20.0 x 3.0	M6			705521			
DN 3/4"	19.05 x 1.65	18.0	20.0 x 3.0	M6			705522			
DN 1"	25.4 x 1.65	25.4	20.0 x 3.0	M6			705523			
DN 1 1/2"	38.1 x 1.65	38.1	20.0 x 3.0	M6			705524			
DN 2"	50.8 x 1.65	50.8	20.0 x 3.0	M6			705525			
DN 2 1/2"	63.5 x 1.65	63.5	20.0 x 3.0	M6			705526			
DN 3"	76.2 x 1.65	76.2	25.0 x 3.0	M6			705527			
DN 4"	101.6 x 2.11	101.6	25.0 x 3.0	M6			705528			



Legende

- A Innendurchmesser
- B Schaft-Durchmesser
- C Gesamtlänge
- E Bandbreite / -stärke
- G Schraubengröße

Werkstoffe

1.4301

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

elektropoliert

Key

- internal diameter
- shank diameter
- total length
- strip width / -strength
- bolt size

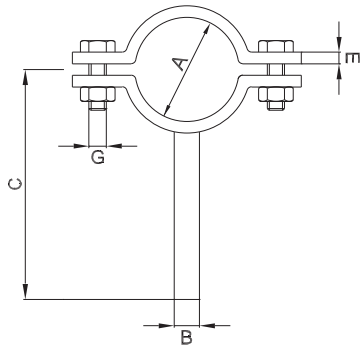
Materials

304

further materials on request

Surface condition

electropolished



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	E	G	1.4301 304			
DN010	12.0 x 1.0	12.0	8.0	64.0	20.0 x 3.0	M6	705550			
DN010	13.0 x 1.5	12.0	8.0	64.0	20.0 x 3.0	M6	705550			
DN015	19.0 x 1.5	18.0	8.0	67.0	20.0 x 3.0	M6	705551			
DN020	23.0 x 1.5	22.0	8.0	69.0	20.0 x 3.0	M6	705552			
DN025	29.0 x 1.5	28.0	10.0	72.0	20.0 x 3.0	M6	705553			
DN032	35.0 x 1.5	34.0	10.0	75.0	20.0 x 3.0	M6	705554			
DN040	41.0 x 1.5	40.0	10.0	78.0	20.0 x 3.0	M6	705555			
DN050	53.0 x 1.5	52.0	12.0	84.0	20.0 x 3.0	M6	705556			
DN065	70.0 x 2.0	70.0	12.0	93.0	20.0 x 3.0	M6	705557			
DN080	85.0 x 2.0	85.0	12.0	100.5	25.0 x 3.0	M6	705558			
DN100	104.0 x 2.0	104.0	12.0	110.0	25.0 x 3.0	M6	705559			
DN125	129.0 x 2.0	129.0	16.0	140.0	30.0 x 3.0	M8	705560			
DN150	154.0 x 2.0	154.0	16.0	180.0	30.0 x 3.0	M8	705561			

ISO	Abmessung dimension	A	B	C	E	G	1.4301 304			
DN008	13.5 x 1.6	12.0	8.0	64.0	20.0 x 3.0	M6	705562			
DN010	17.2 x 1.6	18.0	8.0	67.0	20.0 x 3.0	M6	705563			
DN015	21.3 x 1.6	21.3/22.0	8.0	69.0	20.0 x 3.0	M6	705564			
DN020	26.9 x 1.6	26.9	10.0	71.0	20.0 x 3.0	M6	705565			
DN025	33.7 x 2.0	33.7	10.0	75.0	20.0 x 3.0	M6	705566			
DN032	42.4 x 2.0	42.4	10.0	79.0	20.0 x 3.0	M6	705567			
DN040	48.3 x 2.0	48.3	10.0	82.0	20.0 x 3.0	M6	705568			
DN050	60.3 x 2.0	60.3	12.0	88.0	20.0 x 3.0	M6	705569			
DN065	76.1 x 2.0	76.2	12.0	96.0	25.0 x 3.0	M6	705570			
DN080	88.9 x 2.3	88.9	12.0	103.0	25.0 x 3.0	M6	705571			
DN100	114.3 x 2.3	114.3	12.0	115.0	25.0 x 3.0	M6	705572			
DN125	139.7 x 2.6	139.7	16.0	146.0	30.0 x 3.0	M8	705573			
DN150	168.3 x 2.6	168.3	16.0	188.0	40.0 x 4.0	M8	712020			

ASME BPE	Abmessung dimension	A	B	C	E	G	1.4301 304			
DN 1/2"	12.7 x 1.65	12.0	8.0	64.0	20.0 x 3.0	M6	705574			
DN 3/4"	19.05 x 1.65	18.0	8.0	67.0	20.0 x 3.0	M6	705575			
DN 1"	25.4 x 1.65	25.4	10.0	71.0	20.0 x 3.0	M6	705576			
DN 1 1/2"	38.1 x 1.65	38.1	10.0	77.0	20.0 x 3.0	M6	705577			
DN 2"	50.8 x 1.65	50.8	12.0	84.0	20.0 x 3.0	M6	705578			
DN 2 1/2"	63.5 x 1.65	63.5	12.0	90.0	20.0 x 3.0	M6	705579			
DN 3"	76.2 x 1.65	76.2	12.0	96.0	25.0 x 3.0	M6	705580			
DN 4"	101.6 x 2.11	101.6	12.0	109.0	25.0 x 3.0	M6	705581			



Legende

- A Innendurchmesser
- B Schacht-Durchmesser
- C Gesamtlänge
- E Bandbreite / -stärke
- G Schraubengröße

Werkstoffe

1.4301

weitere Werkstoffe auf Anfrage

Oberflächenbeschaffenheit

elektropoliert

Key

- internal diameter
- shank diameter
- total length
- strip width / -strength
- bolt size

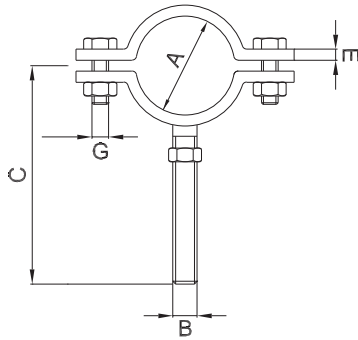
Materials

304

further materials on request

Surface condition

electropolished



weitere Abmessungen auf Anfrage | further dimensions on request

DIN	Abmessung dimension	A	B	C	E	G	1.4301 304			
DN010	12.0 x 1.0	12.0	M8	74.0	20.0 x 3.0	M6	701565			
DN010	13.0 x 1.5	12.0	M8	74.0	20.0 x 3.0	M6	701565			
DN015	19.0 x 1.5	18.0	M8	77.0	20.0 x 3.0	M6	701566			
DN020	23.0 x 1.5	22.0	M8	79.0	20.0 x 3.0	M6	701620			
DN025	29.0 x 1.5	28.0	M10	102.0	20.0 x 3.0	M6	701621			
DN032	35.0 x 1.5	34.0	M10	105.0	20.0 x 3.0	M6	701622			
DN040	41.0 x 1.5	40.0	M10	108.0	20.0 x 3.0	M6	701623			
DN050	53.0 x 1.5	52.0	M12	114.0	20.0 x 3.0	M6	701624			
DN065	70.0 x 2.0	70.0	M12	123.0	20.0 x 3.0	M6	701625			
DN080	85.0 x 2.0	85.0	M12	130.5	25.0 x 3.0	M6	702508			
DN100	104.0 x 2.0	104.0	M12	140.0	25.0 x 3.0	M6	702509			
DN125	129.0 x 2.0	129.0	M16	168.5	30.0 x 3.0	M8	701628			
DN150	154.0 x 2.0	154.0	M16	202.0	30.0 x 3.0	M8	701629			

ISO	Abmessung dimension	A	B	C	E	G	1.4301 304			
DN008	13.5 x 1.6	12.0	M8	74.0	20.0 x 3.0	M6	705529			
DN010	17.2 x 1.6	18.0	M8	74.0	20.0 x 3.0	M6	705530			
DN015	21.3 x 1.6	22.0	M8	79.0	20.0 x 3.0	M6	705531			
DN020	26.9 x 1.6	28.0	M10	102.0	25.0 x 3.0	M6	705532			
DN025	33.7 x 2.0	33.7	M10	104.5	25.0 x 3.0	M6	705533			
DN032	42.4 x 2.0	42.4	M10	109.0	25.0 x 3.0	M6	705534			
DN040	48.3 x 2.0	48.3	M10	112.0	25.0 x 3.0	M6	705535			
DN050	60.3 x 2.0	60.3	M12	118.0	25.0 x 3.0	M6	705536			
DN065	76.1 x 2.0	76.1	M12	125.5	25.0 x 3.0	M6	705537			
DN080	88.9 x 2.3	88.9	M12	132.0	25.0 x 3.0	M6	705538			
DN100	114.3 x 2.3	114.3	M12	145.0	25.0 x 3.0	M6	705539			
DN125	139.7 x 2.6	139.7	M16	169.5	30.0 x 3.0	M8	705540			
DN150	168.3 x 2.6	168.3	M16	184.0	40.0 x 4.0	M8	704385			

ASME BPE	Abmessung dimension	A	B	C	E	G	1.4301 304			
DN 1/2"	12.7 x 1.65	12.0	M8	94.0	20.0 x 2.0	M6	705541			
DN 3/4"	19.05 x 1.65	18.0	M8	97.0	20.0 x 2.0	M6	705542			
DN 1"	25.4 x 1.65	25.4	M10	100.5	20.0 x 3.0	M6	705543			
DN 1 1/2"	38.1 x 1.65	38.1	M10	106.5	20.0 x 3.0	M6	705544			
DN 2"	50.8 x 1.65	50.8	M12	113.0	20.0 x 3.0	M6	705545			
DN 2 1/2"	63.5 x 1.65	63.5	M12	119.5	20.0 x 3.0	M6	705546			
DN 3"	76.2 x 1.65	76.2	M12	126.0	25.0 x 3.0	M6	705547			
DN 4"	101.6 x 2.11	101.6	M12	138.5	25.0 x 3.0	M6	705548			