

**Expanding union**  
Einwalzverschraubung

**20090**

**Description**  
Beschreibung

**DIN 11 851**



**Expanding union 20090, DIN 11 851**

- Simple instalation
- Easy gasket exchange

**Einwalzverschraubung 20090, DIN 11 851**

- Einfache die Dichtung austauschen
- Einfache Installation

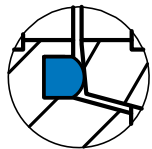
**Dimensions/Baumaße:** DN 10 - DN 150

**Thread / Gewinde:** DIN 405

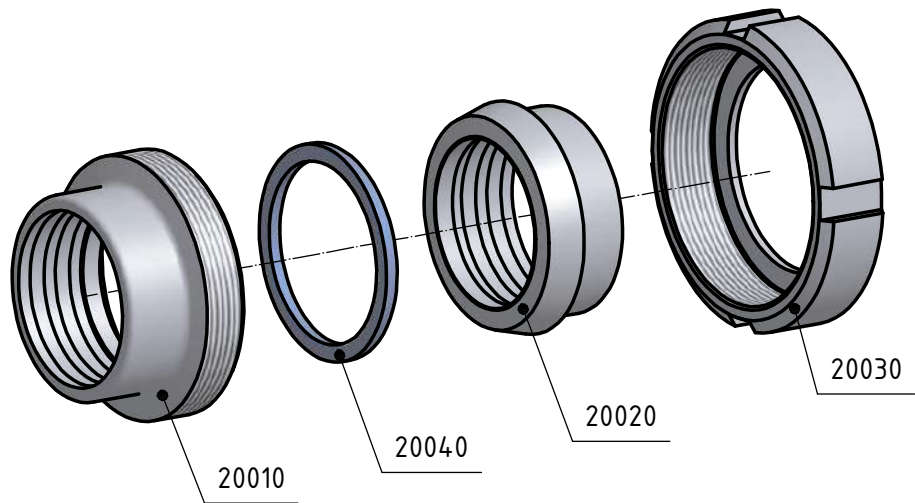
**Material / Material:** 1.4301 (AISI 304)  
1.4404 (AISI 316L)

**Gasket / Dichtung:** NBR  
EPDM  
Viton  
Silikon  
PTFE

Komponents / Komponenten



Detail gasket  
Detail der Dichtung



Standard gasket / Standard dichtung - NBR

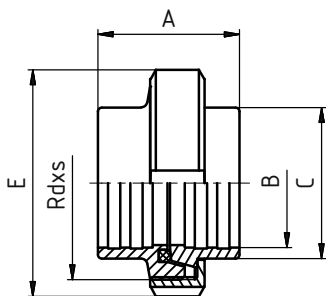
Expanding union - complete  
Einwalzverschraubung - komplett

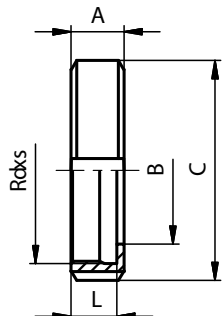
**20090**

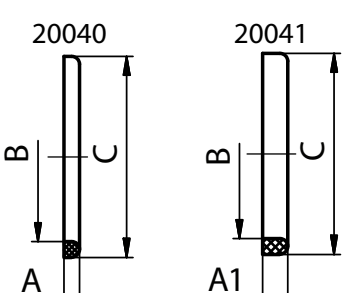
**Dimensions • Baumaße**

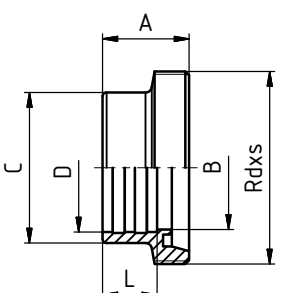
**DIN 11 851**

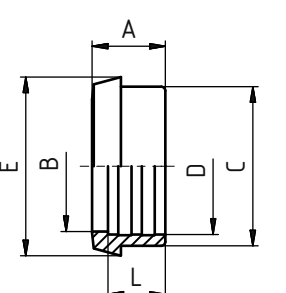
DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
25	45	28,2	35		63				52x1/6"	0,16
32	51	34,2	41		70				58x1/6"	0,19
40	53	40,3	48		78				65x1/6"	0,24
50	57	52,3	61		92				78x1/6"	0,34
65	65	70,4	79		112				95x1/6"	0,51
80	75	85,4	93		127				110x1/4"	0,72
100	89	105	114		148				130x1/4"	1,05



Nut Nutmutter	20030	Dimensions • Baumaße										
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	18	19	38					15	28x1/8"	0,07
		15	18	25	44					15	34x1/8"	0,08
		20	20	31	54					17	44x1/6"	0,14
		25	21	36	63					18	52x1/6"	0,18
		32	21	42	70					18	58x1/6"	0,22
		40	21	49	78					18	65x1/6"	0,25
		50	22	62	92					19	78x1/6"	0,33
		65	25	80	112					21	95x1/6"	0,55
		80	29	94	127					25	110x1/4"	0,80
		100	31	115	148					26	130x1/4"	1,08
		125	35	138	178					30	160x1/4"	1,45
		150	40	164	210					34	190x1/4"	1,88

Gasket Dichtring	20040	20041	Dimensions • Baumaße										
	DIN 11 851		DN	A	A1	B	C	E	F	R	L	thread DIN 405 Rd x s	kg
			10	4	-	12	20						0,0012
			15	4	-	18	26						0,0016
			20	4	-	23	33						0,0026
			25	5	8	30	40						0,0036
			32	5	8	36	46						0,0040
			40	5	8	42	52						0,0048
			50	5	8	54	64						0,0062
			65	5	8	71	81						0,0070
			80	5	8	85	95						0,0080
			100	6	8	104	114						0,0134
			125	7	8	130	142						0,0236
			150	7	8	155	167						0,0276

Expanding male Einwalzgewindestutzen	20010	Dimensions • Baumaße										
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		25	29	26	35	28,2				15	52x1/6"	0,16
		32	32	32	41	34,2				18	58x1/6"	0,19
		40	33	38	48	40,3				20	65x1/6"	0,24
		50	35	50	61	52,3				22	78x1/6"	0,34
		65	40	66	79	70,4				25	95x1/6"	0,51
		80	45	81	93	85,4				28	110x1/4"	0,72
		100	54	100	114	105				35	130x1/4"	1,05

Expanding liner Einwalzkegelstutzen	20020	Dimensions • Baumaße										
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		25	22	26	35	28,2	44			15		0,09
		32	25	32	41	34,2	50			18		0,12
		40	26	38	48	40,3	56			20		0,15
		50	28	50	61	52,3	68,5			22		0,22
		65	32	66	79	70,4	86			25		0,32
		80	37	81	93	85,4	100			28		0,40
		100	44	100	114	105	121			35		0,68

**Welding union**  
Anschweißverschraubung

**20120**

**Description**  
Beschreibung

**DIN 11 851**



**Expanding union 20120, DIN 11 851**

- Simple instalation
- Easy gasket exchange

**Einwalzverschraubung 20120, DIN 11 851**

- Einfache die Dichtung austauschen
- Einfache Installation

**Dimensions/Baumaße:** DN 10 - DN 150

**Thread / Gewinde:** DIN 405

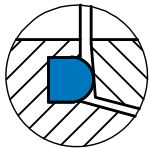
**Material / Material:** 1.4301 (AISI 304)  
1.4404 (AISI 316L)

**Gasket / Dichtung:** NBR  
EPDM  
Viton  
Silikon  
PTFE

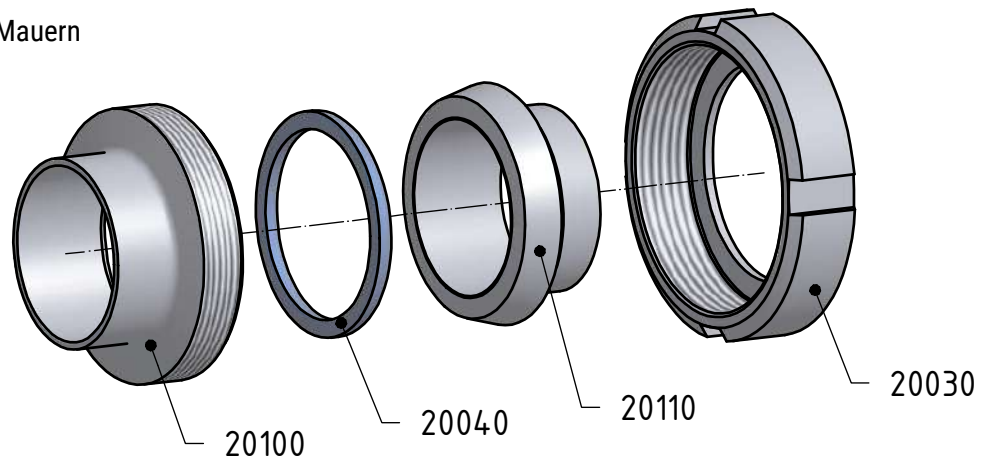
Komponents / Komponenten

Strength of the walls / Stärke der Mauern

DN 10	1,5 mm
DN 15 - 50	2,5 mm
DN 65 - 100	3,0 mm
DN 125 - 150	3,5 mm



Detail gasket  
Detail der Dichtung



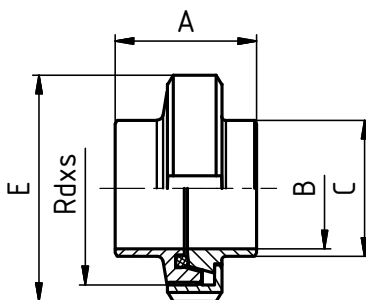
Standard gasket / Standard dichtung - NBR

Welding union - complete  
Anschweißverschraubung - komplett

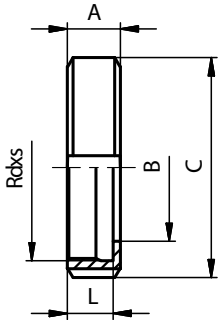
**20120**

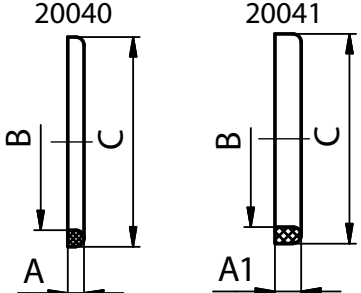
**Dimensions • Baumaße**

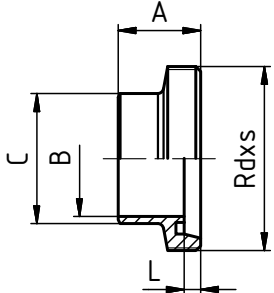
**DIN 11 851**

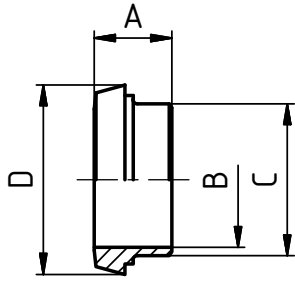


DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
10	35	10	15		38				28 x 1/8"	0,17
15	35	16	21		44				34 x 1/8"	0,18
20	37	20	25		54				44 x 1/6"	0,32
25	45	26	31		63				52 x 1/6"	0,40
32	51	32	37		70				58 x 1/6"	0,49
40	53	38	43		78				65 x 1/6"	0,58
50	57	50	55		92				78 x 1/6"	0,84
65	65	66	72		112				95 x 1/6"	1,15
80	75	81	87		127				110 x 1/4"	1,74
100	89	100	106		148				130 x 1/4"	2,46
125	69	125	132		178				160 x 1/4"	3,52
150	74	150	157		210				190 x 1/4"	4,74

Nut Nutmutter	20030	Dimensions • Baumaße										
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	18	19	38					15	28 x 1/8"	0,07
		15	18	25	44					15	34 x 1/8"	0,08
		20	20	31	54					17	44 x 1/6"	0,14
		25	21	36	63					18	52 x 1/6"	0,18
		32	21	42	70					18	58 x 1/6"	0,22
		40	21	49	78					18	65 x 1/6"	0,25
		50	22	62	92					19	78 x 1/6"	0,33
		65	25	80	112					21	95 x 1/6"	0,55
		80	29	94	127					25	110 x 1/4"	0,80
		100	31	115	148					26	130 x 1/4"	1,08
		125	35	138	178					30	160 x 1/4"	1,45
		150	40	164	210					34	190 x 1/4"	1,88

Gasket Dichtring	20040	20041	Dimensions • Baumaße										
	DIN 11 851		DN	A	A1	B	C	E	F	R	L	thread DIN 405 Rd x s	kg
			10	4	-	12	20						0,0012
			15	4	-	18	26						0,0016
			20	4	-	23	33						0,0026
			25	5	8	30	40						0,0036
			32	5	8	36	46						0,0012
			40	5	8	42	52						0,0048
			50	5	8	54	64						0,0062
			65	5	8	71	81						0,0070
			80	5	8	85	95						0,0080
			100	6	8	104	114						0,0134
			125	7	8	130	142						0,0236
			150	7	8	155	167						0,0276

Welding male Anschweißgewindestutzen	20100	Dimensions • Baumaße										
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	21	10	15					4	28 x 1/8"	0,044
		15	21	16	21					4	34 x 1/8"	0,046
		20	24	20	25					6	44 x 1/6"	0,084
		25	29	26	31					7	52 x 1/6"	0,104
		32	32	32	37					7	58 x 1/6"	0,112
		40	33	38	43					7	65 x 1/6"	0,164
		50	35	50	55					7	78 x 1/6"	0,296
		65	40	66	72					8	95 x 1/6"	0,280
		80	45	81	87					8	110 x 1/4"	0,540
		100	54	100	106					10	130 x 1/4"	0,780
		125	46	125	132					12	160 x 1/4"	1,140
		150	50	150	157					13	190 x 1/4"	1,800

Welding liner Anschweißkegelstutzen	20110	Dimensions • Baumaße											
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg	
		10	17	10	15	22,5						0,060	
		15	17	16	21	28,5							0,062
		20	18	20	25	36,5							0,100
		25	22	26	31	44							0,120
		32	25	32	37	50							0,160
		40	26	38	43	56							0,165
		50	28	50	55	68,5							0,220
		65	32	66	72	86							0,320
		80	37	81	87	100							0,400
		100	44	100	106	121							0,600
		125	34	125	132	150							0,930
		150	37	150	157	176							1,060

**Welding union - Type "R"**  
 Anschweißverschraubung - Typ "R"

**20120 R**  
**DIN 11 851**
**Description**  
 Beschreibung

**Welding union 20120 - R, DIN 11 851**

- Simple installation
- Easy gasket exchange

**Anschweißverschraubung 20120 - R, DIN 11 851**

- Einfache die Dichtung austauschen
- Einfache Installation

**Dimensions/Baumaße:** DN 10 - DN 150

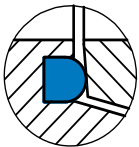
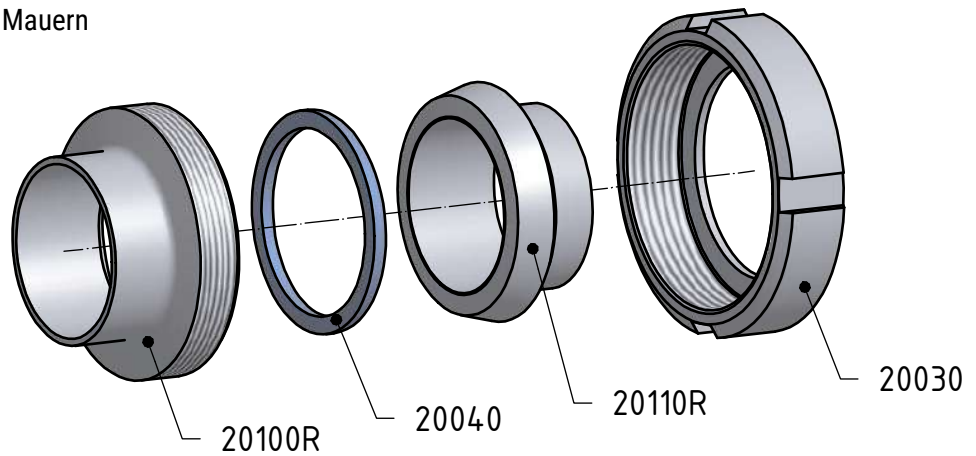
**Thread / Gewinde:** DIN 405

**Material / Material:** 1.4301 (AISI 304)  
 1.4404 (AISI 316L)

**Gasket / Dichtung:** NBR  
 EPDM  
 Viton  
 Silikon  
 PTFE

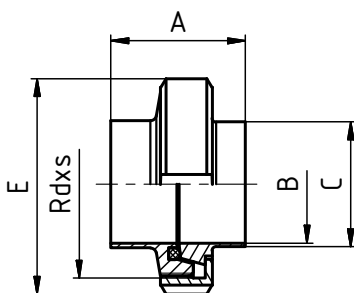
## Komponents / Komponenten

## Strength of the walls / Stärke der Mauern

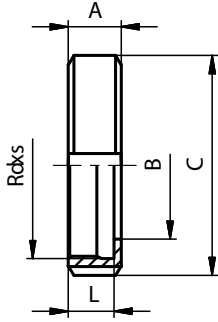
 DN 10 - 50 1,5 mm  
 DN 50 - 150 2,0 mm

 Detail gasket  
 Detail der Dichtung


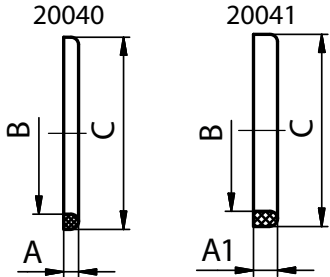
Standard gasket / Standard dichtung - NBR

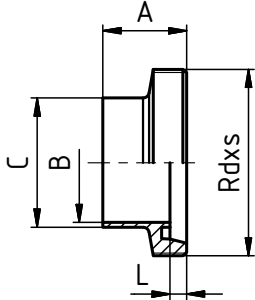
**Welding union - complete**  
 Anschweißverschraubung - komplett

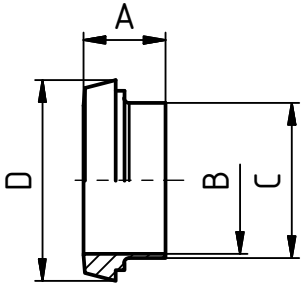
**20120 R**  
**DIN 11 851**
**Dimensions • Baumaße**


DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
10	35	10	13		38				28 x 1/8"	0,13
15	35	16	19		44				34 x 1/4"	0,16
20	37	20	23		54				44 x 1/6"	0,28
25	45	26	29		63				52 x 1/6"	0,37
32	51	32	35		70				58 x 1/6"	0,45
40	53	38	41		78				65 x 1/6"	0,53
50	57	50	53		92				78 x 1/6"	0,67
65	65	66	70		112				95 x 1/6"	1,19
80	75	81	85		127				110 x 1/4"	1,67
100	89	100	104		148				130 x 1/4"	2,32
125	69	125	129		178				160 x 1/4"	3,21
150	74	150	154		210				190 x 1/4"	4,60

Nut Nutmutter	20030	Dimensions • Baumaße										
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	18	19	38					15	28 x 1/8"	0,07
		15	18	25	44					15	34 x 1/8"	0,08
		20	20	31	54					17	44 x 1/6"	0,14
		25	21	36	63					18	52 x 1/6"	0,18
		32	21	42	70					18	58 x 1/6"	0,22
		40	21	49	78					18	65 x 1/6"	0,25
		50	22	62	92					19	78 x 1/6"	0,33
		65	25	80	112					21	95 x 1/6"	0,55
		80	29	94	127					25	110 x 1/4"	0,80
		100	31	115	148					26	130 x 1/4"	1,08
		125	35	138	178					30	160 x 1/4"	1,45
		150	40	164	210					34	190 x 1/4"	1,88

Gasket Dichtring	20040	20041	Dimensions • Baumaße										
	DIN 11 851		DN	A	A1	B	C	E	F	R	L	thread DIN 405 Rd x s	kg
			10	4	-	12	20						0,0012
			15	4	-	18	26						0,0016
			20	4	-	23	33						0,0026
			25	5	8	30	40						0,0036
			32	5	8	36	46						0,0012
			40	5	8	42	52						0,0048
			50	5	8	54	64						0,0062
			65	5	8	71	81						0,0070
			80	5	8	85	95						0,0080
			100	6	8	104	114						0,0134
			125	7	8	130	142						0,0236
			150	7	8	155	167						0,0276

Welding male Anschweißgewindestutzen	20100 R	Dimensions • Baumaße										
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	21	10	13					4	28 x 1/8"	0,04
		15	21	16	19					4	34 x 1/8"	0,05
		20	24	20	23					6	44 x 1/6"	0,09
		25	29	26	29					7	52 x 1/6"	0,11
		32	32	32	35					7	58 x 1/6"	0,13
		40	33	38	41					7	65 x 1/6"	0,16
		50	35	50	53					7	78 x 1/6"	0,22
		65	40	66	70					8	95 x 1/6"	0,35
		80	45	81	85					8	110 x 1/4"	0,52
		100	54	100	104					10	130 x 1/4"	0,67
		125	46	125	129					12	160 x 1/4"	0,99
		150	50	150	154					13	190 x 1/4"	1,71

Welding liner Anschweißkegelstutzen	20110 R	Dimensions • Baumaße											
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg	
		10	17	10	13	22,5						0,02	
		15	17	16	19	28,5							0,03
		20	18	20	23	36,5							0,06
		25	22	26	29	44							0,08
		32	25	32	35	50							0,10
		40	26	38	41	56							0,12
		50	28	50	53	68,5							0,17
		65	32	66	70	86							0,29
		80	37	81	85	100							0,35
		100	44	100	104	121							0,57
		125	34	125	129	150							0,77
		150	37	150	154	176							1,01

**Welding union - Type "T"**  
Anschweißverschraubung - Typ "T"

**20120 T**

**Description**  
Beschreibung



**Welding union 20120 - T, DIN 11 851**

- Simple instalation
- Easy gasket exchange

**Anschweißverschraubung 20120 - T, DIN 11 851**

- Einfache die Dichtung austauschen
- Einfache Installation

**Dimensions/Baumaße:** DN 10 - DN 150

**Thread / Gewinde:** DIN 405

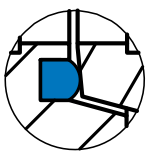
**Material / Material:** 1.4301 (AISI 304)  
1.4404 (AISI 316L)

**Gasket / Dichtung:** NBR  
EPDM  
Viton  
Silikon  
PTFE

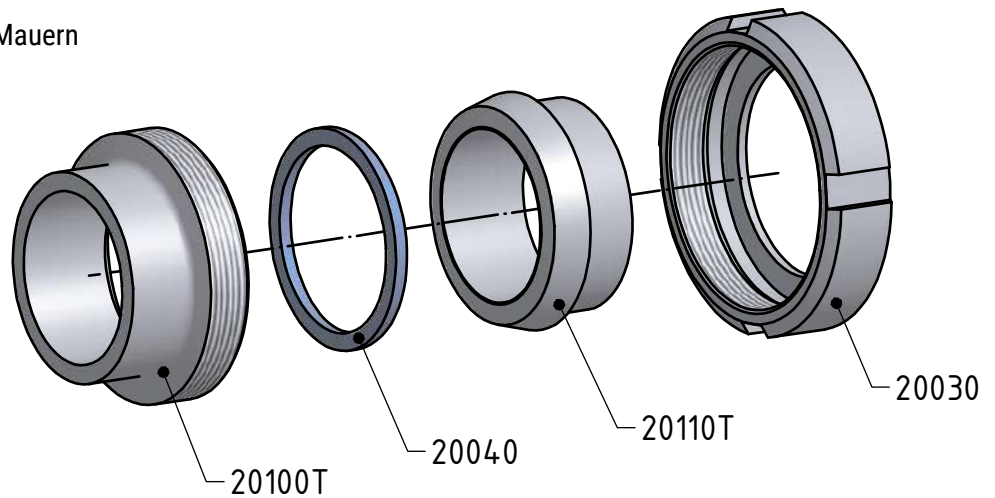
Komponents / Komponenten

Strength of the walls / Stärke der Mauern

DN 10 - 15	4,0 mm
DN 20	5,0 mm
DN 25 - 32	4,5 mm
DN 40	5,0 mm
DN 50	5,5 mm
DN 65	6,5 mm
DN 80	6,0 mm
DN 100	7,0 mm



Detail gasket  
Detail der Dichtung

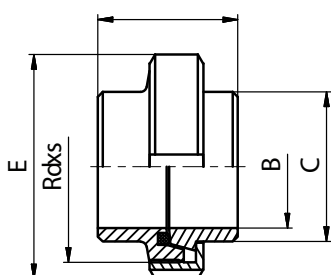


Standard gasket / Standard dichtung - NBR

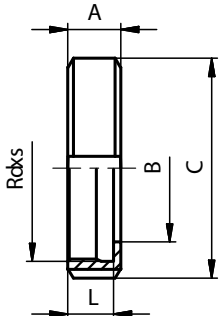
**Welding union - complete**  
Anschweißverschraubung - komplett

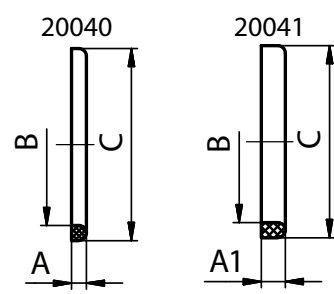
**20120 T**

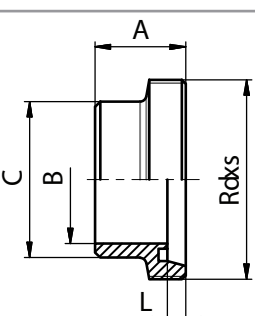
**Dimensions • Baumaße**

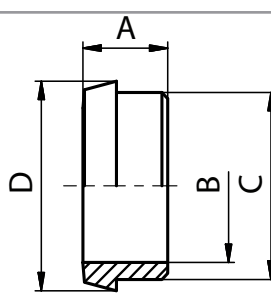


DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
10	35	10	18		38				28x1/8"	0,19
15	35	16	24		44				34x1/4"	0,19
20	37	20	30		54				44x1/6"	0,34
25	45	26	35		63				52x1/6"	0,45
32	51	32	41		70				58x1/6"	0,57
40	53	38	48		78				65x1/6"	0,69
50	57	50	61		92				78x1/6"	0,96
65	65	66	79		112				95x1/6"	1,58
80	75	81	93		127				110x1/4"	2,20
100	89	100	114		148				130x1/4"	3,12

Nut Nutmutter	20030	Dimensions • Baumaße										
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	18	19	38					15	28x1/8"	0,07
		15	18	25	44					15	34x1/8"	0,08
		20	20	31	54					17	44x1/6"	0,14
		25	21	36	63					18	52x1/6"	0,18
		32	21	42	70					18	58x1/6"	0,22
		40	21	49	78					18	65x1/6"	0,25
		50	22	62	92					19	78x1/6"	0,33
		65	25	80	112					21	95x1/6"	0,55
		80	29	94	127					25	110x1/4"	0,80
		100	31	115	148					26	130x1/4"	1,08
		125	35	138	178					30	160x1/4"	1,45
		150	40	164	210					34	190x1/4"	1,88

Gasket Dichtring	20040	20041	Dimensions • Baumaße										
	DIN 11 851		DN	A	A1	B	C	E	F	R	L	thread DIN 405 Rd x s	kg
			10	4	-	12	20						0,0012
			15	4	-	18	26						0,0016
			20	4	-	23	33						0,0026
			25	5	8	30	40						0,0036
			32	5	8	36	46						0,0040
			40	5	8	42	52						0,0048
			50	5	8	54	64						0,0062
			65	5	8	71	81						0,0070
			80	5	8	85	95						0,0080
			100	6	8	104	114						0,0134
			125	7	8	130	142						0,0236
			150	7	8	155	167						0,0276

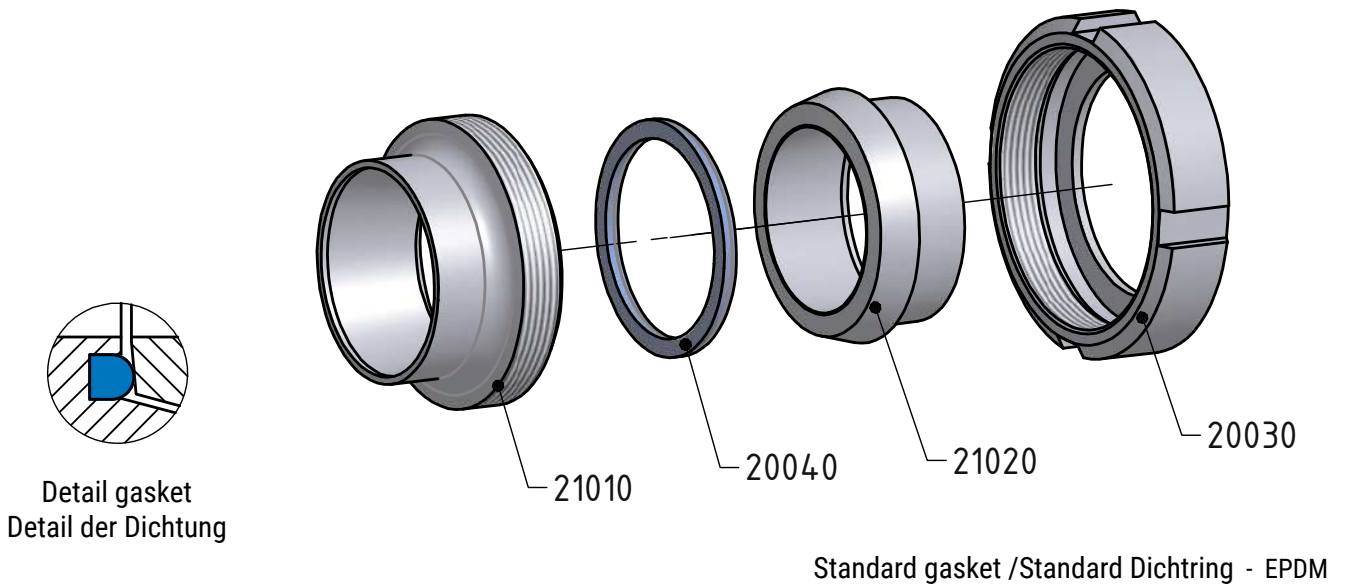
Welding male Anschweißgewindestutzen	20100 T	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	21	10	18					4	28x1/8"	0,05
		15	21	16	24					4	34x1/8"	0,07
		20	24	20	30					6	44x1/6"	0,13
		25	29	26	35					7	52x1/6"	0,17
		32	32	32	41					7	58x1/6"	0,21
		40	33	38	48					7	65x1/6"	0,27
		50	35	50	61					7	78x1/6"	0,38
		65	40	66	79					8	95x1/6"	0,61
		80	45	81	93					8	110x1/4"	0,86
		100	54	100	114					10	130x1/4"	1,15

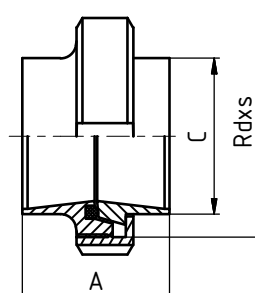
Welding liner Anschweißkegelstutzen	20110 T	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	17	10	18	22,5						0,03
		15	17	16	24	28,5						0,04
		20	18	20	30	36,5						0,07
		25	22	26	35	44						0,10
		32	25	32	41	50						0,14
		40	26	38	48	56						0,17
		50	28	50	61	68,5						0,25
		65	32	66	79	86						0,42
		80	37	81	93	100						0,54
		100	44	100	114	121						0,89

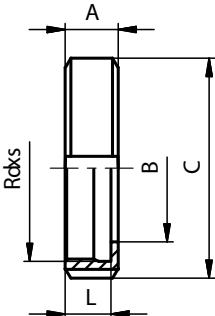


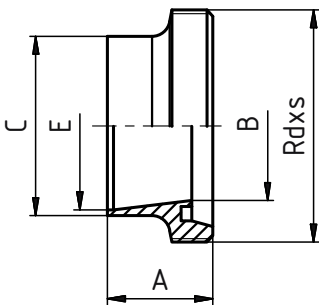
<b>Welding union ISO</b> Anschweißverschraubung ISO	<b>21030</b>	<b>Description</b> Beschreibung
	<b>ISO</b>	
		<p><b>Welding union 21030 ISO</b></p> <ul style="list-style-type: none"> <li>- Simple installation</li> <li>- Easy gasket exchange</li> </ul> <p><b>Anschweißverschraubung 21030 ISO</b></p> <ul style="list-style-type: none"> <li>- Einfache die Dichtung austauschen</li> <li>- Einfache Installation</li> </ul> <p><b>Dimensions/Baumaße:</b> DN 10 - DN 150</p> <p><b>Thread / Gewinde:</b> DIN 405</p> <p><b>Material / Material:</b> 1.4301 (AISI 304) 1.4404 (AISI 316L)</p> <p><b>Gasket / Dichtung:</b> NBR EPDM Viton Silikon PTFE</p>

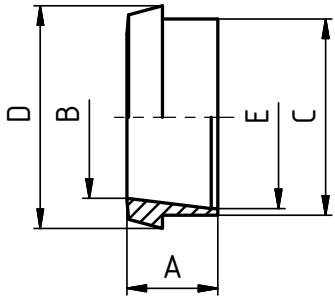
### Komponents / Komponenten

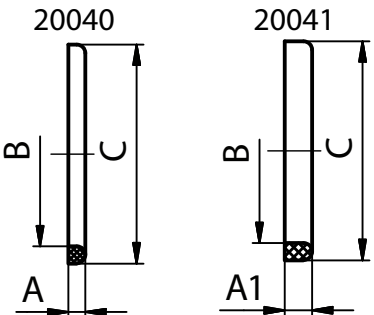


<b>Welding union - complete ISO</b> Anschweißverschraubung - komplett ISO	<b>21030</b>	<b>Dimensions • Baumaße</b>										
	<b>ISO</b>	<b>DN</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>R</b>	<b>L</b>	<b>thread DIN 405 Rd x s</b>	<b>kg</b>
		<b>10</b>	34		18						28x1/8"	0,15
		<b>15</b>	34		21,3						34x1/8"	0,18
		<b>20</b>	36		26,9						44x1/6"	0,30
		<b>25</b>	45		33,7						52x1/6"	0,42
		<b>32</b>	51		42,4						58x1/6"	0,51
		<b>40</b>	53		48,3						65x1/6"	0,61
		<b>50</b>	57		60,3						78x1/6"	0,84
		<b>65</b>	65		76,1						95x1/6"	1,31
		<b>80</b>	75		88,9						110x1/4"	1,80
		<b>100</b>	89		114,3						130x1/4"	2,66

Nut Nutmutter	20030	Dimensions • Baumaße										
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	18	19	38					15	28x1/8"	0,07
		15	18	25	44					15	34x1/8"	0,08
		20	20	31	54					17	44x1/6"	0,14
		25	21	36	63					18	52x1/6"	0,18
		32	21	42	70					18	58x1/6"	0,22
		40	21	49	78					18	65x1/6"	0,25
		50	22	62	92					19	78x1/6"	0,33
		65	25	80	112					21	95x1/6"	0,55
		80	29	94	127					25	110x1/4"	0,80
		100	31	115	148					26	130x1/4"	1,08
		125	35	138	178					30	160x1/4"	1,45
		150	40	164	210					34	190x1/4"	1,88

Welding male ISO Anschweißgewindestutzen ISO	21010	Dimensions • Baumaße										
	ISO	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	21	10	18		14			4	28x1/8"	0,04
		15	21	16	21,3		18,1			4	34x1/8"	0,05
		20	24	20	26,9		23,7			6	44x1/6"	0,10
		25	29	26	33,7		29,7			7	52x1/6"	0,13
		32	32	32	42,4		38,4			7	58x1/6"	0,16
		40	33	38	48,3		44,3			7	65x1/6"	0,21
		50	35	50	60,3		56,3			7	78x1/6"	0,30
		65	40	66	76,1		71,5			8	95x1/6"	0,45
		80	45	81	88,9		84,3			8	110x1/4"	0,60
		100	54	100	114,3		109,1			10	130x1/4"	0,78

Welding liner ISO Anschweißkegelstutzen ISO	21020	Dimensions • Baumaße										
	ISO	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	17	10	18	22,5	14					0,02
		15	17	16	21,3	28,5	18,1					0,03
		20	18	20	26,9	36,5	23,7					0,06
		25	22	26	33,7	44	29,7					0,09
		32	25	32	42,4	50	38,4					0,11
		40	26	38	48,3	56	44,3					0,14
		50	28	50	60,3	68,5	56,3					0,21
		65	32	66	76,1	86	71,5					0,32
		80	37	81	88,9	100	84,3					0,39
		100	44	100	114,3	121	109,1					0,59

Gasket Dichtring	20040	20041	Dimensions • Baumaße									
	DIN 11 851		DN	A	A1	B	C	E	F	R	L	thread DIN 405 Rd x s
			10	4	-	12	20					0,0012
			15	4	-	18	26					0,0016
			20	4	-	23	33					0,0026
			25	5	8	30	40					0,0036
			32	5	8	36	46					0,0040
			40	5	8	42	52					0,0048
			50	5	8	54	64					0,0062
			65	5	8	71	81					0,0070
			80	5	8	85	95					0,0080
			100	6	8	104	114					0,0134
			125	7	8	130	142					0,0236
			150	7	8	155	167					0,0276

**Welding union SMS**  
Anschweißverschraubung SMS

**21120**

**Description**  
Beschreibung

**SMS**



**Welding union SMS 21120**

- Simple installation
- Easy gasket exchange

**Anschweißverschraubung SMS 21120**

- Einfache die Dichtung austauschen
- Einfache Installation

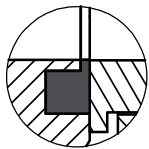
**Dimensions / Baumaße:** DN 10 - DN 150

**Thread / Gewinde:** DIN 405

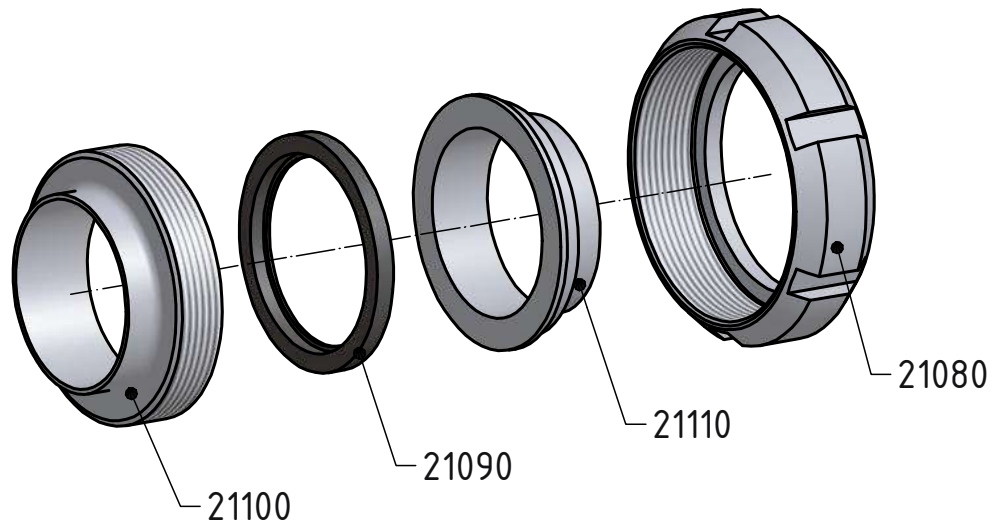
**Material / Material:** 1.4301 (AISI 304)  
1.4404 (AISI 316L)

**Gasket / Dichtring:** NBR  
EPDM  
Viton  
Silikon  
PTFE

**Komponents / Komponenten**



Detail gasket  
Detail der Dichtung



Standard gasket / Standard Dichtring - EPDM

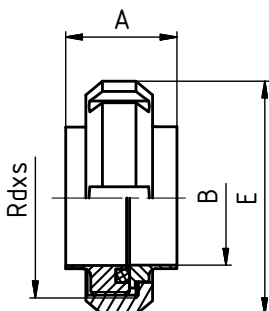
Welding union - complete  
Anschweißverschraubung - komplett

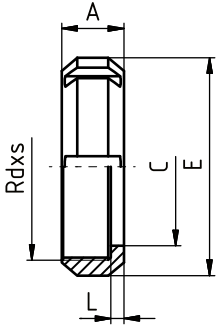
**21120**

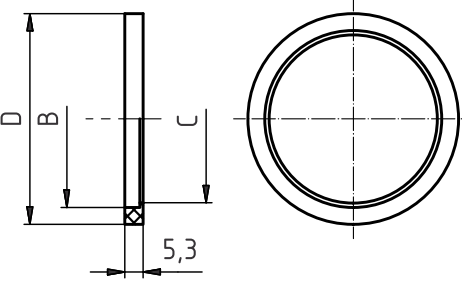
**Dimensions • Baumaße**

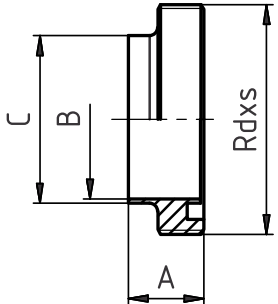
**SMS**

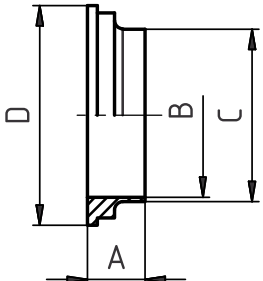
DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
25	54,5	22,5	25		51				40x1/6	0,18
38	78	35,5	38,1		74				60x1/6	0,47
51	88	48,5	51		84				70x1/6	0,55
63,5	107	60,5	63,5		100				85x1/6	0,83
76	120	72,9	76,1		114				98x1/6	1,13
101,6	148	97,6	101,6		138				125x1/4	2,78
104	148	100	104		138				125x1/4	2,78



Nut SMS Nutmutter SMS	21080	Dimensions • Baumaße										
	SMS	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		25	19		32		51			4	40 x 1/6"	0,11
		38	23		48		74			4	60 x 1/6"	0,26
		51	24		60,5		84			5	70 x 1/6"	0,31
		63,5	28		74		100			5	85 x 1/6"	0,41
		76	30		87		114			6	98 x 1/6"	0,57
		101,6	31		113		138			5	125 x 1/4"	1,20
		104	31		113		138			5	125 x 1/4"	1,22

Gasket SMS Dichtring SMS	21090	Dimensions • Baumaße										
	SMS	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		25		25,1	22,8	31,8						
		38		38,1	35,8	47,8						
		51		51,1	48,8	60,8						
		63,5		63,6	61	73,3						
		76		76,1	73,4	85,8						
		104		104	100,5	115,7						

Welding male SMS Anschweißgewindestutzen SMS	21100	Dimensions • Baumaße										
	SMS	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		25	19	22,5	25						40x1/6	0,05
		38	23	35,5	38						60x1/6	0,17
		51	23	48,5	51						70x1/6	0,18
		63,5	27	60,5	63,5						85x1/6	0,35
		76	27	72,9	76,1						98x1/6	0,44
		101,6	30	97,6	101,6						125x1/4	1,31
		104	30	100	104						125x1/4	1,32

Welding liner SMS Anschweißkegelstutzen SMS	21110	Dimensions • Baumaße										
	SMS	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		25	15,5	22,5	25	35,5						0,02
		38	16	35,5	38	55						0,04
		51	17	48,5	50,8	65						0,06
		63,5	17	60,5	63,5	80						0,08
		76	19	72,9	76,1	93						0,12
		101,6	19	97,6	101,6	118						0,27
		104	19	100	104	118						0,29

**Clamp union - S - DIN**  
Clampverbindung - S - DIN

**21250**

**Description**  
Beschreibung

**DIN 32 676**



**Clamp union - S - DIN 21250**

- Simple instalation
- Easy gasket exchange

**Clampverbindung - S - DIN 21250**

- Einfache die Dichtung austauschen
- Einfache Installation

**Dimensions / Baumaße:** DN 10 - DN 150

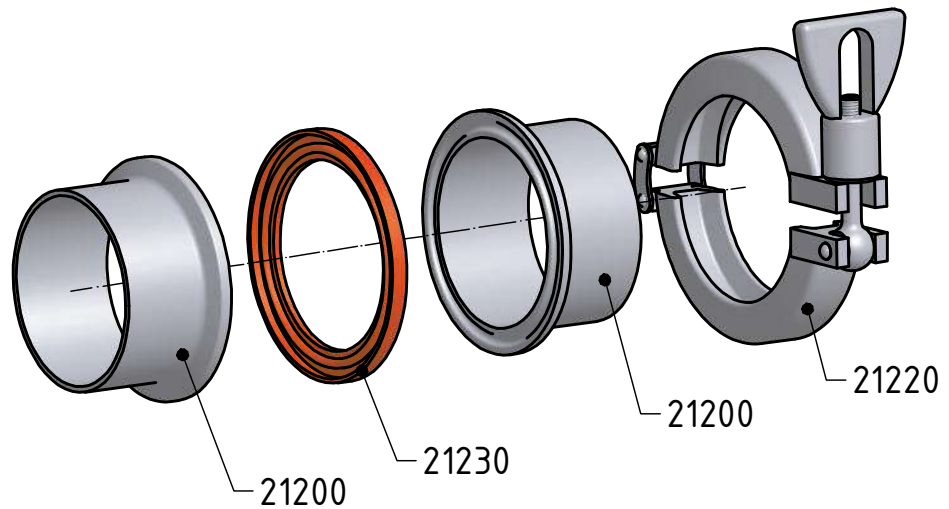
**Material / Material:** 1.4301 (AISI 304)  
1.4404 (AISI 316L)

**Gasket / Dichtring:** Silikon  
PTFE - Viton  
Viton  
EPDM

Komponents / Komponenten



Detail gasket  
Detail der Dichtung



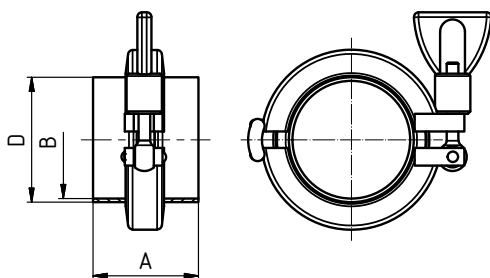
Standard gasket /Standard Dichtring - Silikon

Clamp union - S - DIN - complete  
Clampverbindung - S - DIN - komplett

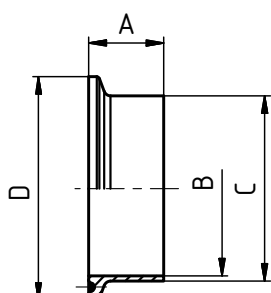
**21250**

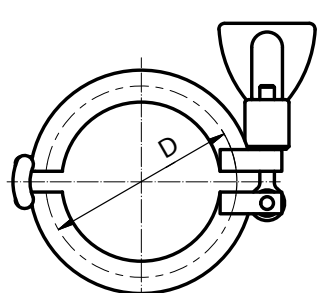
**Dimensions • Baumaße**

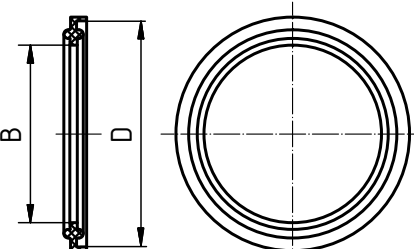
**DIN 32 676**

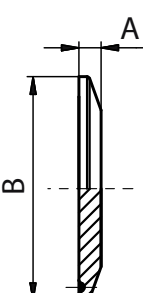


DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
10	38	10		13						0,28
15	38	16		19						0,28
20	38	20		23						0,30
25	45	26		29						0,35
32	45	32		35						0,35
40	45	38		41						0,37
50	45	50		53						0,39
65	58	66		70						0,89
80	58	81		85						0,95
100	58	100		104						0,99
125	58	125		129						1,15
150	58	150		154						1,30

Clamp ferrule - S TC-Klemmstutzen - S	21200	Dimensions • Baumaße										
	DIN 32 676	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	18	10	13	34							0,03
	15	18	16	19	34							0,03
	20	18	20	23	34							0,03
	25	21,5	26	29	50,5							0,07
	32	21,5	32	35	50,5							0,07
	40	21,5	38	41	50,5							0,07
	50	21,5	50	53	64							0,07
	65	28	66	70	91							0,10
	80	28	81	85	106							0,20
	100	28	100	104	119							0,22
	125	28	125	129	155							0,52
	150	28	150	154	183							0,70

Clamp TC-Klammer leichte Ausführung	21220	Dimensions • Baumaße							
	DIN 32 676	DN	SMS	DIN	D	DN	SMS	DIN	D
	1/2"	12,7	-	25		150	-	150	183
	3/4"	19,05	-	25		8"	-	-	217,6
	10-20	-	10-20	34		200	-	200	233,5
	1"	25	25	50,5		250	-	250	268
	32	-	32	50,5		300	-	300	318,5
	1 1/2"	38	40	50,5					
	2"	51	50	64					
	2 1/2"	63,5	-	77,5					
	3"	76,1	65	91					
	80	-	80	106					
	4"	101,6	100	119					
	125	-	125	155					
	6"	-	-	166,8					

Clamp gasket Dichtung Zoll	21230	Dimensions • Baumaße										
	DIN 32 676	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10		10,2		34							
	15		16,2		34							
	20		20,2		34							
	25		26,2		50,5							
	32		32,2		50,5							
	40		38,2		50,5							
	50		50,2		64							
	65		66,2		91							
	80		81,2		106							
	100		100,2		119							

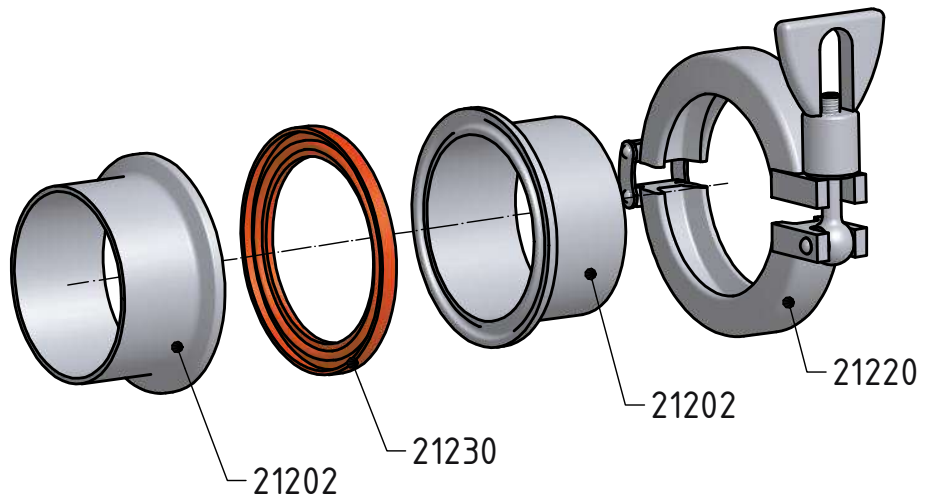
Clamp blank DIN/SMS TC-Blindklemmstutzen DIN/SMS	21240	Dimensions • Baumaße										
	DIN 32676 / SMS	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	6,35	34									0,04
	15	6,35	34									0,04
	20	6,35	34									0,04
	25	6,35	50,5									0,08
	32	6,35	50,5									0,08
	40	6,35	50,5									0,08
	50	6,35	64									0,14
	65	6,35	91									0,28
	80	6,35	106									0,46
	100	7,95	119									0,60
	125	7,95	155									1,15
	150	11,00	183									2,20

<b>Clamp union - S - SMS</b> Clampverbindung - S - SMS	<b>21252</b>	<b>Description</b> Beschreibung
	<b>SMS</b>	<p><b>Clamp union - S - SMS 21252</b></p> <ul style="list-style-type: none"> <li>- Simple instalation</li> <li>- Easy gasket exchange</li> </ul> <p><b>Clampverbindung - S - SMS 21252</b></p> <ul style="list-style-type: none"> <li>- Einfache die Dichtung austauschen</li> <li>- Einfache Installation</li> </ul> <p><b>Dimensions / Baumaße:</b> DN 10 - DN 150</p> <p><b>Material / Material:</b> 1.4301 (AISI 304) 1.4404 (AISI 316L)</p> <p><b>Gasket / Dichtring:</b> Silikon PTFE - Viton Viton EPDM</p>

### Komponents / Komponenten

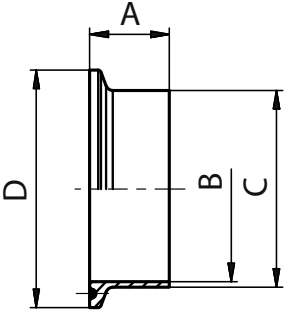


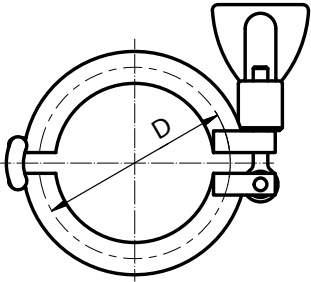
Detail gasket  
Detail der Dichtung

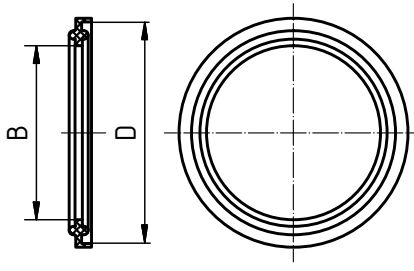


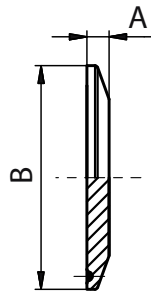
Standard gasket /Standard Dichtring - Silikon

<b>Clamp union - S - SMS - complete</b> Clampverbindung - S - SMS - komplett	<b>21252</b>	<b>Dimensions • Baumaße</b>										
	<b>SMS</b>	<b>DN</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>R</b>	<b>L</b>	<b>thread DIN 405 Rd x s</b>	<b>kg</b>
		<b>25</b>	43	22,5		25						0,35
		<b>38</b>	43	35,5		38,1						0,37
		<b>51</b>	43	48,5		51						0,39
		<b>63,5</b>	56	60,5		63,5						0,89
		<b>76</b>	56	72,9		76,1						0,95
		<b>101,6</b>	56	97,6		101,6						0,99

Clamp ferrule - S SMS TC-Klemmstutzen - S SMS	21202	Dimensions • Baumaße									
	SMS	DN - SMS	A	B	C	D	F	R	L	thread DIN 405 Rd x s	kg
		1/2" - 12,7	21,5	9,4	12,7	25					0,03
		3/4" - 19,05	21,5	15,75	19,05	25					0,03
		1" - 25	21,5	22,5	25	50,5					0,07
		1 1/2" - 38,1	21,5	35,5	38,1	50,5					0,07
		2" - 51	21,5	48,5	51	64					0,07
		2 1/2" - 63,5	28	60,5	63,5	77,5					0,1
		3" - 76,1	28	72,9	76,1	91					0,2
		4" - 101,6	28	97,6	101,6	119					0,22

Clamp SMS TC-Klammer leichte Ausführung SMS	21220	Dimensions • Baumaße							
	DIN 32 676	DN	SMS	DIN	D	DN	SMS	DIN	D
		1/2"	12,7	-	25	150	-	150	183
		3/4"	19,05	-	25	8"	-	-	217,6
		10-20	-	10-20	34	200	-	200	233,5
		1"	25	25	50,5	250	-	250	268
		32	-	32	50,5	300	-	300	318,5
		1 1/2"	38	40	50,5				
		2"	51	50	64				
		2 1/2"	63,5	-	77,5				
		3"	76,1	65	91				
		80	-	80	106				
		4"	101,6	100	119				
		125	-	125	155				
		6"	-	-	166,8				

Clamp gasket SMS Dichtring - clamp SMS	21232	Dimensions • Baumaße									
	SMS	DN - SMS	B	D	E	F	R	L	thread DIN 405 Rd x s	kg	
		1/2" - 12,7	9,3	25							
		3/4" - 19,05	15,7	25							
		1" - 25	22,3	50,5							
		1 1/2" - 38,1	35	50,5							
		2" - 51	47,7	64							
		2 1/2" - 63,5	60,4	77,5							
		3" - 76,1	73,1	91							
		4" - 101,6	97,6	119							

Clamp blank DIN/SMS TC-Blindklemmstutzen DIN/SMS	21242	Dimensions • Baumaße									
	DIN 32676 / SMS	DN - SMS	A	B	C	E	F	R	L	thread DIN 405 Rd x s	kg
		1/2" - 12,7	6,35	25							0,04
		3/4" - 19,05	6,35	25							0,04
		1" - 25	6,35	50,5							0,08
		1 1/2" - 38,1	6,35	50,5							0,08
		2" - 51	6,35	64							0,14
		2 1/2" - 63,5	6,35	77,5							0,28
		3" - 76,1	6,35	91							0,46
		4" - 101,6	7,95	119							0,6



**Welding union**  
Anschweißverschraubung

**22320**

**Description**  
Beschreibung

**DIN 11 853**



**Welding union 22320, DIN 11 853-1**

- Simple instalation
- Easy gasket exchange

**Anschweißverschraubung 22320, DIN 11 853-1**

- Einfache die Dichtung austauschen
- Einfache Installation

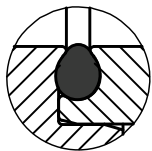
**Baumaße / Dimensions:** DN 10 - DN 100

**Thread / Gewinde:** DIN 405

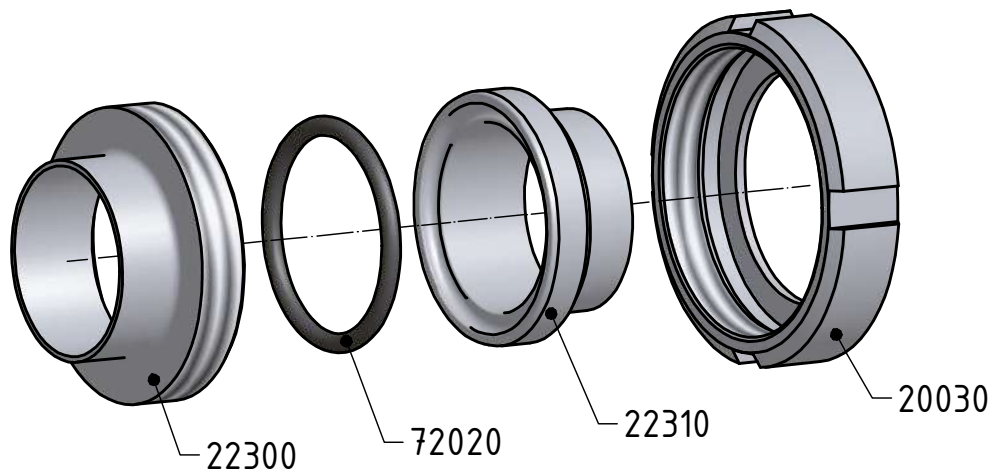
**Material / Material:** 1.4301 (AISI 304)  
1.4404 (AISI 316L)

**Dichtring / Gasket:** NBR  
EPDM  
Viton

Komponents / Komponenten



Detail gasket  
Detail der Dichtung



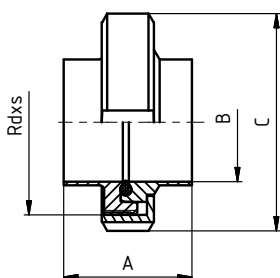
Standard gasket /Standard Dichtring - EPDM

Welding union - complete  
Anschweißverschraubung - komplett

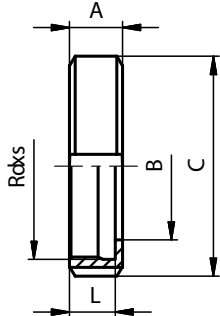
**22320**

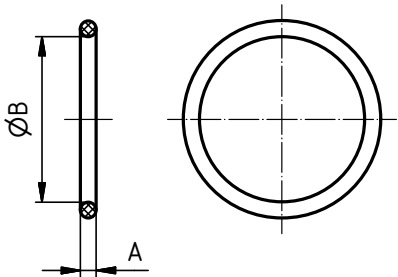
**Dimensions • Baumaße**

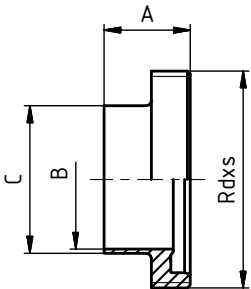
**DIN 11 853**

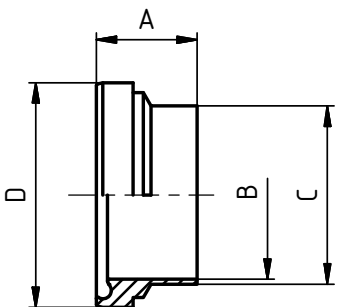


DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
10	32	10	38						28 x 1/8"	0,14
15	32	16	44						34 x 1/8"	0,18
20	34	20	54						44 x 1/6"	0,30
25	42	26	63						52 x 1/6"	0,41
32	48	32	70						58 x 1/6"	0,48
40	50	38	78						65 x 1/6"	0,57
50	54	50	92						78 x 1/6"	0,78
65	62	66	112						95 x 1/6"	1,27
80	72	81	127						110 x 1/4"	1,76
100	86	100	148						130 x 1/4"	2,40

Nut Nutmutter	20030	Dimensions • Baumaße										
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	18	19	38					15	28 x 1/8"	0,07
		15	18	25	44					15	34 x 1/8"	0,08
		20	20	31	54					17	44 x 1/6"	0,14
		25	21	36	63					18	52 x 1/6"	0,18
		32	21	42	70					18	58 x 1/6"	0,22
		40	21	49	78					18	65 x 1/6"	0,25
		50	22	62	92					19	78 x 1/6"	0,33
		65	25	80	112					21	95 x 1/6"	0,55
		80	29	94	127					25	110 x 1/4"	0,80
		100	31	115	148					26	130 x 1/4"	1,08
		125	35	138	178					30	160 x 1/4"	1,45
		150	40	164	210					34	190 x 1/4"	1,88

Gasket Dichtring	72020	Dimensions • Baumaße										
	DIN 11 853	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	3,5	12								
		15	3,5	18								
		20	3,5	22								
		25	3,5	28								
		32	5	34								
		40	5	40								
		50	5	52								
		65	5	68								
		80	5	83								
		100	5	102								

Welding male Anschweißgewindestutzen	22300	Dimensions • Baumaße										
	DIN 11 853	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	19	10	13						28 x 1/8"	0,04
		15	19	16	19						34 x 1/8"	0,06
		20	21	20	23						44 x 1/6"	0,11
		25	26	26	29						52 x 1/6"	0,15
		32	30	32	35						58 x 1/6"	0,17
		40	31	38	41						65 x 1/6"	0,20
		50	31	50	53						78 x 1/6"	0,26
		65	36	66	70						95 x 1/6"	0,40
		80	42	81	85						110 x 1/4"	0,63
		100	50	100	104						130 x 1/4"	0,76

Welding liner Anschweißkegelstutzen	22310	Dimensions • Baumaße										
	DIN 11 853	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	17	10	13	21,9						0,02
		15	17	16	19	27,9						0,03
		20	18	20	23	35,9						0,05
		25	22	26	29	42,9						0,08
		32	25	32	35	48,9						0,09
		40	26	38	41	54,9						0,11
		50	30	50	53	66,9						0,16
		65	34	66	70	84,9						0,30
		80	38	81	85	98,9						0,35
		100	46	100	104	118,9						0,57

**Welding union**

Anschweißverschraubung

**22490**
**DIN 11 864-1-A**
**Description**

Beschreibung


**Welding union 22490, DIN 11 864-1**

- Simple installation
- Easy gasket exchange

**Anschweißverschraubung 22490, DIN 11 864-1**

- Einfache die Dichtung austauschen
- Einfache Installation

**Baumaße / Dimensions:** DN 10 - DN 100

**Thread / Gewinde:** DIN 405

**Material / Material:** 1.4301 (AISI 304)

1.4404 (AISI 316L)

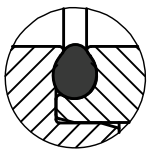
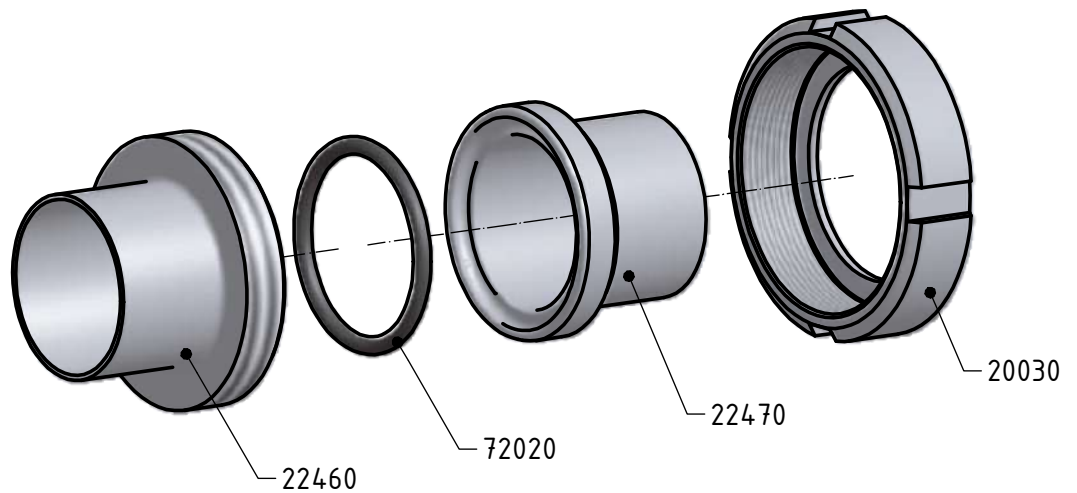
**Dichtring / Gasket:**

NBR

EPDM

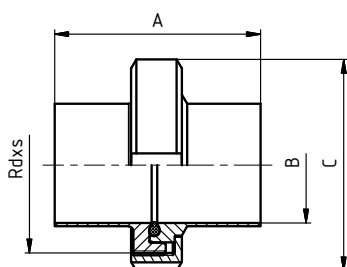
Viton

## Komponents / Komponenten

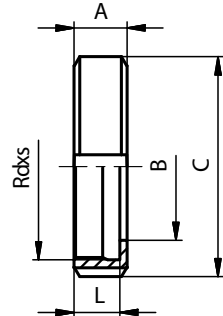

 Detail gasket  
Detail der Dichtung


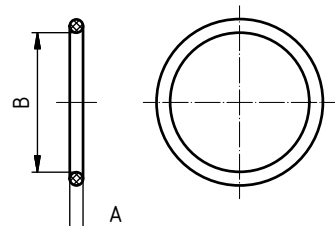
Standard gasket / Standard Dichtring - EPDM

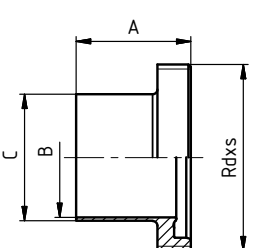
 Welding union - complete  
Anschweißverschraubung - komplett

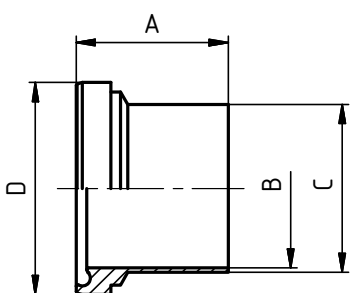
**22490**
**Dimensions • Baumaße**
**DIN 11 864-1-A**


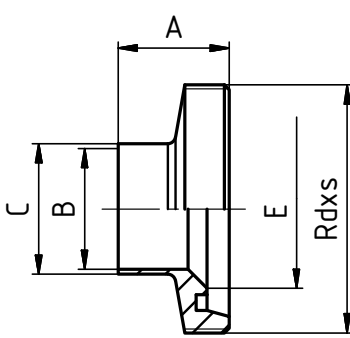
DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
10	76	10	38						28x1/8"	0,08
15	76	16	44						34x1/8"	0,11
20	76	20	54						44x1/6"	0,19
25	77	26	63						52x1/6"	0,26
32	88	32	70						58x1/6"	0,31
40	88	38	78						65x1/6"	0,36
50	89	50	92						78x1/6"	0,50
65	113	66	112						95x1/6"	0,86
80	117	81	127						110x1/4"	1,16
100	120	100	148						130x1/4"	1,51

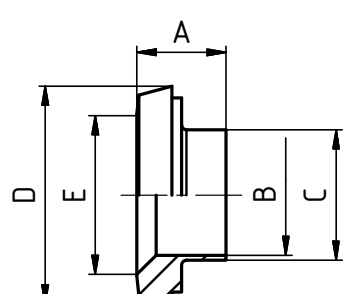
Nut Nutmutter	20030	Dimensions • Baumaße										
	DIN 11 851	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	18	19	38					15	28 x 1/8"	0,07
		15	18	25	44					15	34 x 1/8"	0,08
		20	20	31	54					17	44 x 1/6"	0,14
		25	21	36	63					18	52 x 1/6"	0,18
		32	21	42	70					18	58 x 1/6"	0,22
		40	21	49	78					18	65 x 1/6"	0,25
		50	22	62	92					19	78 x 1/6"	0,33
		65	25	80	112					21	95 x 1/6"	0,55
		80	29	94	127					25	110 x 1/4"	0,80
		100	31	115	148					26	130 x 1/4"	1,08
		125	35	138	178					30	160 x 1/4"	1,45
		150	40	164	210					34	190 x 1/4"	1,88

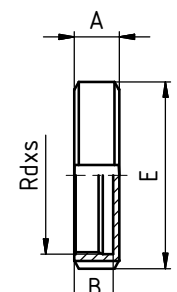
Gasket Dichtring	72020	Dimensions • Baumaße										
	DIN 11 864	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	3,5	12								
		15	3,5	18								
		20	3,5	22								
		25	3,5	28								
		32	5	34								
		40	5	40								
		50	5	52								
		65	5	68								
		80	5	83								
		100	5	102								

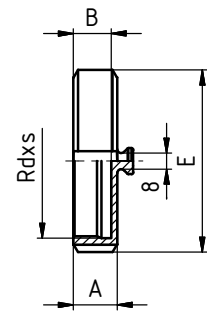
Welding male Anschweißgewindestutzen	22460	Dimensions • Baumaße										
	DIN 11 864-1-A	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	41	10	13						28 x 1/8"	0,05
		15	41	16	19						34 x 1/8"	0,07
		20	43	20	23						44 x 1/6"	0,13
		25	43	26	29						52 x 1/6"	0,16
		32	48	32	35						58 x 1/6"	0,19
		40	48	38	41						65 x 1/6"	0,22
		50	48	50	53						78 x 1/6"	0,30
		65	60	66	70						95 x 1/6"	0,48
		80	64	81	85						110 x 1/4"	0,72
		100	64	100	104						130 x 1/4"	0,84

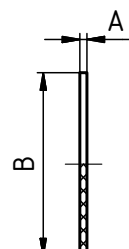
Welding liner Anschweißkegelstutzen	22470	Dimensions • Baumaße										
	DIN 11 864-1-A	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
		10	39	10	13	21,9						0,03
		15	39	16	19	27,9						0,04
		20	38	20	23	35,9						0,06
		25	40	26	29	42,9						0,10
		32	47	32	35	48,9						0,12
		40	47	38	41	54,9						0,14
		50	48	50	53	66,9						0,20
		65	61	66	70	84,9						0,38
		80	61	81	85	98,9						0,44
		100	66	100	104	118,9						0,67

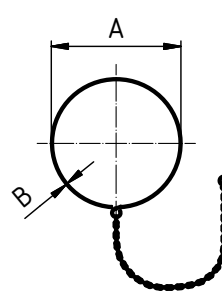
Reducing male part Reduziergewindestutzen	20230	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	20/10	24	10	13		20					44x1/6"	
	20/15	24	16	19		20					44x1/6"	
	25/10	29	10	13		26					52x1/6"	
	25/15	29	16	19		26					52x1/6"	
	25/20	29	20	23		26					52x1/6"	
	32/15	32	16	19		32					58x1/6"	
	32/20	32	20	23		32					58x1/6"	
	32/25	32	26	29		32					58x1/6"	
	40/20	33	20	23		38					65x1/6"	
	40/25	33	26	29		38					65x1/6"	
	40/32	33	32	35		38					65x1/6"	
	50/20	35	20	23		50					78x1/6"	
	50/25	35	26	29		50					78x1/6"	
	50/32	35	32	35		50					78x1/6"	
	50/40	35	38	41		50					78x1/6"	
	65/40	40	38	41		66					95x1/6"	
	65/50	40	50	53		66					95x1/6"	
	80/40	45	38	41		81					110x1/4"	
	80/50	45	50	53		81					110x1/4"	
	80/65	45	66	70		81					110x1/4"	
100/50	54	50	53		100					130x1/4"		
100/65	54	66	70		100					130x1/4"		
100/80	54	81	85		100					130x1/4"		

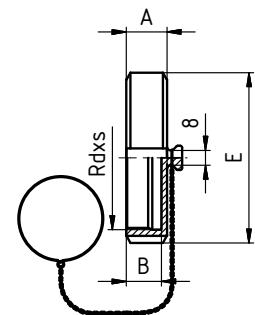
Reducing liner Reduzierkegelstutzen	20240	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	20/10	18	10	13	36,5	20						
	20/15	18	16	19	36,5	20						
	25/10	22	10	13	44	26						
	25/15	22	16	19	44	26						
	25/20	22	20	23	44	26						
	32/15	25	16	19	50	32						
	32/20	25	20	23	50	32						
	32/25	25	26	29	50	32						
	40/20	26	20	23	56	38						
	40/25	26	26	29	56	38						
	40/32	26	32	35	56	38						
	50/20	28	20	23	68,5	50						
	50/25	28	26	29	68,5	50						
	50/32	28	32	35	68,5	50						
	50/40	28	38	41	68,5	50						
	65/40	32	38	41	86	66						
	65/50	32	50	53	86	66						
	80/40	37	38	41	100	81						
	80/50	37	50	53	100	81						
	80/65	37	66	70	100	81						
100/50	44	50	53	121	100							
100/65	44	66	70	121	100							
100/80	44	81	85	121	100							

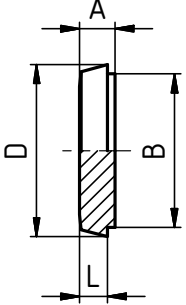
Blind nut Blindmutter	20250	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	18	15			38					28x1/8"	0,08
	15	18	15			44					34x1/8"	0,10
	20	20	17			54					44x1/6"	0,14
	25	21	18			63					52x1/6"	0,19
	32	21	18			70					58x1/6"	0,23
	40	21	18			78					65x1/6"	0,26
	50	22	19			92					78x1/6"	0,38
	65	25	21			112					95x1/6"	0,66
	80	29	25			127					110x1/4"	1,00
	100	31	26			148					130x1/4"	1,40
	125	35	30			178					160x1/4"	1,97
	150	40	34			210					190x1/4"	2,87

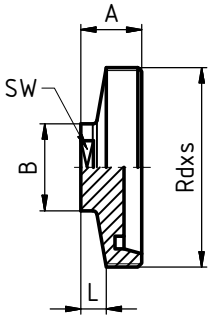
Blind nut with boss Blindmutter mit knopf	20260	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	18	15			38					28x1/8"	0,09
	15	18	15			44					34x1/8"	0,11
	20	20	17			54					44x1/6"	0,15
	25	21	18			63					52x1/6"	0,20
	32	21	18			70					58x1/6"	0,24
	40	21	18			78					65x1/6"	0,27
	50	22	19			92					78x1/6"	0,39
	65	25	21			112					95x1/6"	0,67
	80	29	25			127					110x1/4"	1,01
	100	31	26			148					130x1/4"	1,41
	125	35	30			178					160x1/4"	1,98
150	40	34			210					190x1/4"	2,88	

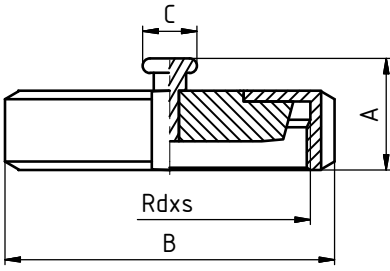
Gasket disc - blind nut Dichtscheibe - blindmutter	20270	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	3	28									
	15	3	34									
	20	3	44									
	25	3	52									
	32	3	58									
	40	3	65									
	50	3	78									
	65	3	95									
	80	3	110									
	100	3	130									
	125	4	160									
150	4	190										

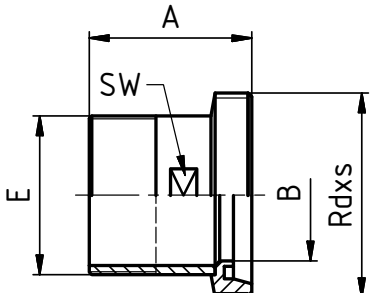
Chain with hook and eye Kette mit haken und öse	20280	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	18	1,25									
	15	24	1,25									
	20	28	1,25									
	25	34	1,25									
	32	41	1,25									
	40	46	1,25									
	50	57	1,25									
	65	75	1,4									
	80	93	1,6									
	100	113	1,6									
	125	136	3									
150	166	3										

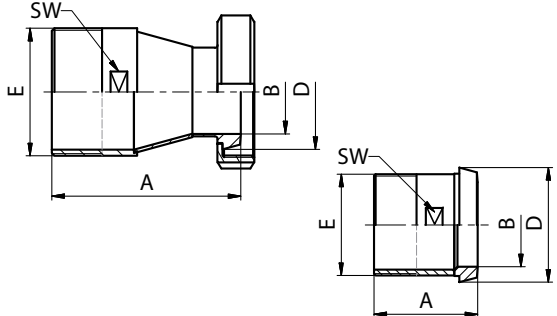
Blind nut - complete Blindmutter (komplett)	20290	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	18	15			38					28x1/8"	0,12
	15	18	15			44					34x1/8"	0,15
	20	20	17			54					44x1/6"	0,19
	25	21	18			63					52x1/6"	0,25
	32	21	18			70					58x1/6"	0,29
	40	21	18			78					65x1/6"	0,33
	50	22	19			92					78x1/6"	0,46
	65	25	21			112					95x1/6"	0,85
	80	29	25			127					110x1/4"	1,11
	100	31	26			148					130x1/4"	1,53
	125	35	30			178					160x1/4"	2,12
150	40	34			210					190x1/4"	3,05	

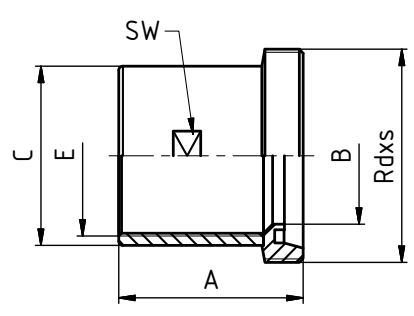
Liner blank Blindkegel	20300	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	9	18		22,5					6		0,02
	15	9	24		28,5					6		0,04
	20	11	30		36,5					8		0,07
	25	13	35		44					10		0,13
	32	13	41		50					10		0,17
	40	13	48		56					10		0,22
	50	14	61		68,5					11		0,35
	65	16	79		86					12		0,67
	80	16	93		100					12		0,92
	100	20	114		121					15		1,34
	125	22	137		150					17		1,68
	150	24	163		176					18		4,30

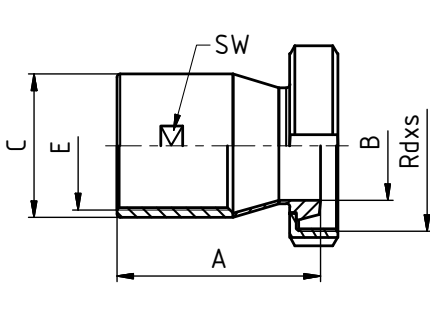
Male part blank Blindgewinde	20330	Dimensions • Baumaße											
		DN	A	B	C	D	E	F	L	SW	thread DIN 405 Rd x s	kg	
	10	22	22						10	19	28x1/8"	0,06	
	15	22	25						10	22	34x1/8"	0,09	
	20	24	25						10	22	44x1/6"	0,13	
	25	24	34						10	27	52x1/6"	0,19	
	32	24	34						10	27	58x1/6"	0,22	
	40	24	34						10	27	65x1/6"	0,25	
	50	24	34						10	27	78x1/6"	0,35	
	65	28	34						10	27	95x1/6"	0,64	
	80	30	34						10	27	110x1/4"	1,30	
	100	30	34						10	27	130x1/4"	2,10	

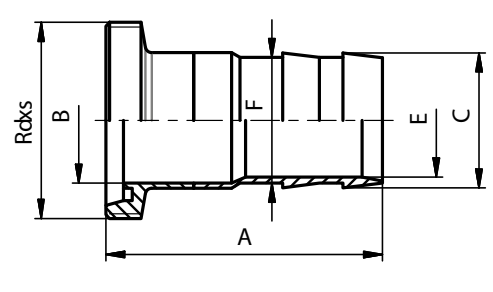
Blind nut with liner blank (complete) Blindmutter mit blindkegel (komplett)	20340	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	L	SW	thread DIN 405 Rd x s	kg
	10	27	38	15							28x1/8"	0,12
	15	27	44	15							34x1/8"	0,15
	20	29	54	15							44x1/6"	0,22
	25	30	63	15							52x1/6"	0,32
	32	30	70	15							58x1/6"	0,40
	40	30	78	15							65x1/6"	0,49
	50	31	92	15							78x1/6"	0,73
	65	34	112	20							95x1/6"	1,25
	80	38	127	20							110x1/4"	1,70
	100	40	148	20							130x1/4"	2,79
	125	44	178	20							160x1/4"	4,39
	150	49	210	20							190x1/4"	6,54

Male threaded outside Einschraub gewindestutzen	20350	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	SW	thread DIN 405 Rd x s	kg
	10	40	10			3/8"				15	28x1/8"	0,06
	15	43	16			1/2"				20	34x1/8"	0,09
	20	47	20			3/4"				25	44x1/6"	0,15
	25	52	26			1"				32	52x1/6"	0,21
	25	54	26			3/4"				25	52x1/6"	0,20
	32	54	32			1"				32	58x1/6"	0,23
	32	54	32			1 1/4"				40	58x1/6"	0,25
	40	54	38			1 1/2"				45	65x1/6"	0,32
	50	57	50			2"				57	78x1/6"	0,43
	65	66	66			2 1/2"				73	95x1/6"	0,65
	80	75	81			3"				86	110x1/4"	1,00
	100	83	100			4"				110	130x1/4"	1,33

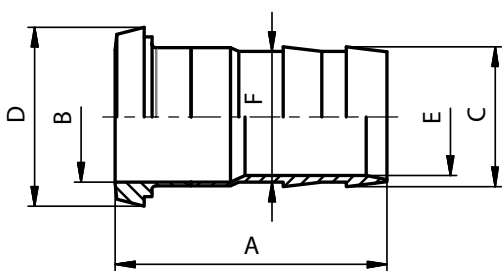
Liner threaded outside Einschraub kegelstutzen	20360	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	SW	thread DIN 405 Rd x s	kg
	10	37	10		22,5	3/8"				15		0,04
	15	40	16		28,5	1/2"				20		0,06
	20	47	20		36,5	3/4"				25		0,11
	25	50	26		44	1"				32		0,16
	32	54	32		50	1 1/4"				40		0,19
	40	54	38		56	1 1/2"				45		0,25
	50	57	50		68,5	2"				57		0,35
	65	66	66		86	2 1/2"				73		0,55
	80	75	81		100	3"				86		0,72
	100	83	100		121	4"				110		1,12

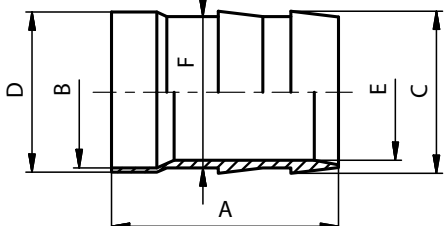
Male threaded inside Aufschraub gewindestutzen	20370	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	SW	thread DIN 405 Rd x s	kg
	10	31	10	20,5		3/8"				19	28x1/8"	0,06
	15	31	16	25		1/2"				24	34x1/8"	0,08
	20	35	20	32		3/4"				30	44x1/6"	0,15
	25	38	26	37		1"				35	52x1/6"	0,19
	32	40	32	46		1 1/4"				44	58x1/6"	0,23
	40	41	38	52,5		1 1/2"				51	65x1/6"	0,28
	50	43	50	65,5		2"				63	78x1/6"	0,41
	65	50	66	81		2 1/2"				78	95x1/6"	0,60
	80	56	81	95		3"				92	110x1/4"	0,92
	100	55	100	125		4"				120	130x1/4"	1,32

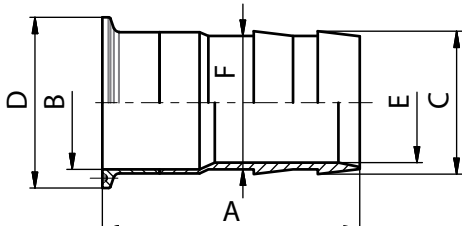
Liner threaded inside Aufschraub kegelstutzen	20380	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	SW	thread DIN 405 Rd x s	kg
	10	44	10	20,5		3/8"				19	28x1/8"	0,13
	15	50	16	25		1/2"				24	34x1/8"	0,17
	20	53	20	32		3/4"				30	44x1/6"	0,26
	25	53	26	37		1"				35	52x1/6"	0,35
	32	60	32	46		1 1/4"				44	58x1/6"	0,43
	40	65	38	52,5		1 1/2"				51	65x1/6"	0,52
	50	67	50	65,5		2"				63	78x1/6"	0,75
	65	76	66	81		2 1/2"				78	95x1/6"	1,27
	80	80	81	95		3"				92	110x1/4"	1,62
	100	100	100	125		4"				120	130x1/4"	2,54

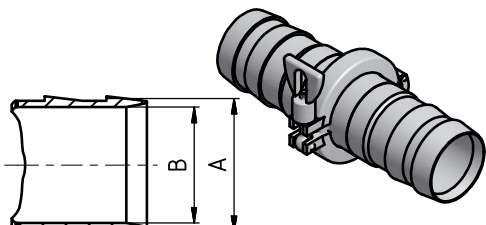
Liner hose fitting - P Schlauchstutzen - G	20510	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	60	10	12		7	10				28x1/8"	0,05
	15	61	16	18,5		13	15				34x1/8"	0,08
	20	65	20	23		16	20				44x1/6"	0,17
	25	70	26	28		20	25				52x1/6"	0,23
	32	84	32	35,6		27	32				58x1/6"	0,33
	40	95	38	43,6		35	40				65x1/6"	0,52
	50	110	50	53,6		45	50				78x1/6"	0,66
	65	133	66	66,6		58	65				95x1/6"	1,14
	80	145	81	83,6		75	80				110x1/4"	1,50
	100	161	100	103,6		95	100				130x1/4"	2,40

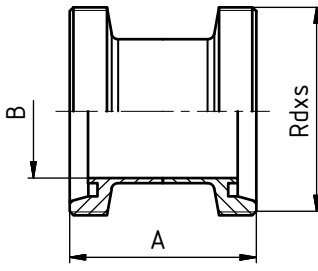


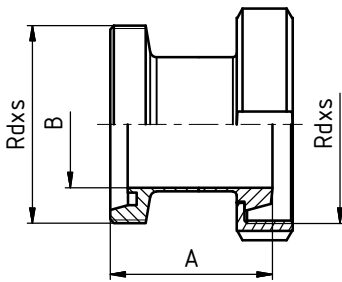
Liner hose fitting - K Schlauchstutzen - K	20520	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	60	10	12	22,5	7	10					0,04
	15	61	16	18,5	28,5	13	15					0,06
	20	65	20	23	36,5	16	20					0,13
	25	70	26	28	44	20	25					0,19
	32	77	32	35,6	50	27	32					0,27
	40	88	38	43,6	56	35	40					0,42
	50	103	50	53,6	68,5	45	50					0,58
	65	125	66	66,6	86	58	65					1,08
	80	137	81	83,6	100	75	80					1,32
	100	151	100	103,6	121	95	100					2,13

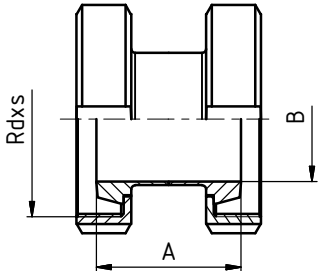
Liner hose fitting - S Schlauchstutzen - S	20530	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	43	10	12	13	7	10					0,02
	15	44	16	18,5	19	13	15					0,04
	20	47	20	23	23	16	20					0,06
	25	48	26	28	29	20	25					0,06
	32	52	32	35,6	35	27	32					0,08
	40	62	38	43,6	41	35	40					0,12
	50	75	50	53,6	53	45	50					0,22
	65	93	66	66,6	70	58	65					0,58
	80	100	81	83,6	85	75	80					0,68
	100	107	100	103,6	104	95	100					1,72

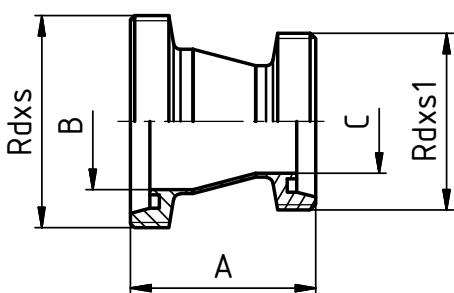
Liner hose fitting - C Schlauchstutzen - C	20540	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	61	10	12	34	7	10					0,05
	15	62	16	18,5	34	13	15					0,08
	20	65	20	23	34	16	20					0,17
	25	69,5	26	28	50,5	20	25					0,23
	32	73,5	32	35,6	50,5	27	32					0,33
	40	83,5	38	43,6	50,5	35	40					0,52
	50	96,5	50	53,6	64	45	50					0,66
	65	121	66	66,6	91	58	65					1,14
	80	128	81	83,6	106	75	80					1,50
	100	135	100	103,6	119	95	100					2,40

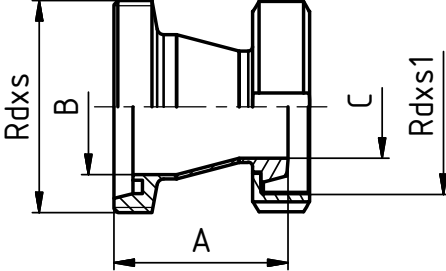
Connecting clamp/clamp for hoses Cupplungsstück C/C zu schlauch	21300	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	12	7									0,30
	15	18,5	13									0,32
	20	23	16									0,36
	25	28	20									0,41
	32	35,6	27									0,43
	40	43,6	35									0,49
	50	53,6	45									0,61
	65	66,6	58									1,47
	80	83,6	75									1,63
	100	103,6	95									2,71

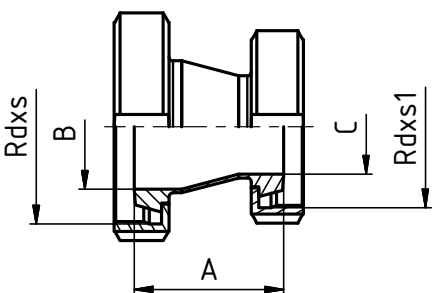
Connecting piece G - G Kupplungsstück G - G	20570	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	42	10								28x1/8"	0,09
	15	42	16								34x1/8"	0,11
	20	48	20								44x1/6"	0,21
	25	58	26								52x1/6"	0,28
	32	64	32								58x1/6"	0,36
	40	66	38								65x1/6"	0,46
	50	70	50								78x1/6"	0,67
	65	80	66								95x1/6"	1,06
	80	90	81								110x1/4"	1,41
	100	108	100								130x1/4"	2,13

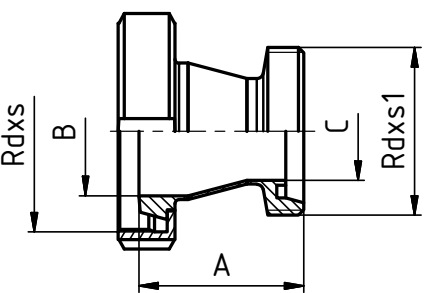
Connecting piece K/M - G Kupplungsstück K/M - G	20580	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	42	10								28x1/8"	0,13
	15	42	16								34x1/8"	0,16
	20	48	20								44x1/6"	0,28
	25	58	26								52x1/6"	0,39
	32	64	32								58x1/6"	0,47
	40	66	38								65x1/6"	0,55
	50	70	50								78x1/6"	0,77
	65	80	66								95x1/6"	1,24
	80	90	81								110x1/4"	1,73
	100	108	100								130x1/4"	2,40

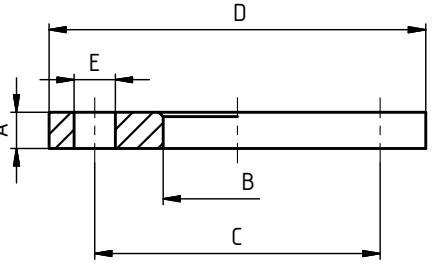
Connecting piece K/M - K/M Kupplungsstück K/M - K/M	20590	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	34	10								28x1/8"	0,18
	15	34	16								34x1/8"	0,22
	20	36	20								44x1/6"	0,38
	25	44	26								52x1/6"	0,54
	32	50	32								58x1/6"	0,66
	40	52	38								65x1/6"	0,76
	50	56	50								78x1/6"	1,06
	65	64	66								95x1/6"	1,72
	80	74	81								110x1/4"	2,36
	100	88	100								130x1/4"	3,38

Reducing piece G - G Reduzierstück G - G	20630	Dimensions • Baumaße									
		DN	A	B	C	D	E	F	thread DIN 405 Rd x s	thread DIN 405 Rd x s1	kg
	32/25	55	32	26					58x1/6"	52x1/6"	0,36
	40/25	66	38	25					65x1/6"	52x1/6"	0,40
	40/32	55	38	32					65x1/6"	58x1/6"	0,46
	50/32	78	50	32					78x1/6"	58x1/6"	0,61
	50/40	68	50	38					78x1/6"	65x1/6"	0,67
	65/40	98	66	38					95x1/6"	65x1/6"	1,00
	65/50	77	66	50					95x1/6"	78x1/6"	1,06
	80/50	104	81	50					110x1/4"	78x1/6"	1,37
	80/65	77	81	66					110x1/4"	95x1/6"	1,41
	100/65	116	100	66					130x1/4"	95x1/6"	2,08
100/80	89	100	81					130x1/4"	110x1/4"	2,13	

Recucing piece G - K/M Reduzierstück G - K/M	20640	Dimensions • Baumaße									
		DN	A	B	C	D	E	F	thread DIN 405 Rd x s	thread DIN 405 Rd x s1	kg
	32/25	51	32	26				58x1/6"	52x1/6"	0,47	
	40/25	62	38	26				65x1/6"	52x1/6"	0,50	
	40/32	59	38	32				65x1/6"	58x1/6"	0,55	
	50/32	74	50	32				78x1/6"	58x1/6"	0,71	
	50/40	64	50	38				78x1/6"	65x1/6"	0,77	
	65/40	94	66	38				95x1/6"	65x1/6"	1,19	
	65/50	73	66	50				95x1/6"	78x1/6"	1,24	
	80/50	100	81	50				110x1/4"	78x1/6"	1,68	
	80/65	73	81	66				110x1/4"	95x1/6"	1,73	
	100/65	112	100	66				130x1/4"	95x1/6"	2,35	
	100/80	85	100	81				130x1/4"	110x1/4"	2,40	

Recucing piece K/M - K/M Reduzierstück K/M - K/M	20650	Dimensions • Baumaße									
		DN	A	B	C	D	E	F	thread DIN 405 Rd x s	thread DIN 405 Rd x s1	kg
	32/25	47	32	26				58x1/6"	52x1/6"	0,66	
	40/25	58	38	26				65x1/6"	52x1/6"	0,71	
	40/32	47	38	32				65x1/6"	58x1/6"	0,76	
	50/32	70	50	32				78x1/6"	58x1/6"	1,01	
	50/40	60	50	38				78x1/6"	65x1/6"	1,06	
	65/40	90	66	38				95x1/6"	65x1/6"	1,67	
	65/50	69	66	50				95x1/6"	78x1/6"	1,72	
	80/50	96	81	50				110x1/4"	78x1/6"	2,30	
	80/65	69	81	66				110x1/4"	95x1/6"	2,36	
	100/65	107	100	66				130x1/4"	95x1/6"	3,32	
	100/80	80	100	81				130x1/4"	110x1/4"	3,38	

Recucing piece K/M - G Reduzierstück K/M - G	20660	Dimensions • Baumaße									
		DN	A	B	C	D	E	F	thread DIN 405 Rd x s	thread DIN 405 Rd x s1	kg
	32/25	51	32	26				58x1/6"	52x1/6"	0,47	
	40/25	62	38	25				65x1/6"	52x1/6"	0,50	
	40/32	59	38	32				65x1/6"	58x1/6"	0,55	
	50/32	74	50	32				78x1/6"	58x1/6"	0,71	
	50/40	64	50	38				78x1/6"	65x1/6"	0,77	
	65/40	94	66	38				95x1/6"	65x1/6"	1,19	
	65/50	73	66	50				95x1/6"	78x1/6"	1,24	
	80/50	100	81	50				110x1/4"	78x1/6"	1,68	
	80/65	73	81	66				110x1/4"	95x1/6"	1,73	
	100/65	112	100	66				130x1/4"	95x1/6"	2,35	
	100/80	85	100	81				130x1/4"	110x1/4"	2,40	

Flange AL ISO Flansch AL ISO	20780 AL	Dimensions • Baumaße									
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s
	10	14	19	60	90	14x4					0,59
	15	14	24	65	95	14x4					0,68
	20	16	24	75	105	14x4					0,80
	25	16	36	85	115	14x4					1,11
	32	16	46	100	140	18x4					1,64
	40	16	54	110	150	18x4					1,86
	50	16	65	125	165	18x4					2,20
	65	16	81	145	185	18x4					2,62
	80	18	94	160	200	18x8					3,32
	100	18	119	180	220	18x8					3,67
	125	18	145	210	250	18x8					4,54
150	18	173	240	285	22x8					5,60	

**Clamp union S DIN 11964-3**  
Clampverbindungen S DIN 11864-3

**22970**  
**DIN 11864-3**

**Description**  
Beschreibung



**Clamp union - S - DIN 11864-3**  
- Simple instalation  
- Easy gasket exchange

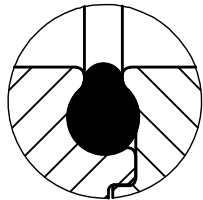
**Clampverbindung - S - DIN 11864-3**  
- Einfache die Dichtung austauschen  
- Einfache Installation

**Dimensions / Baumaße:** DN 10 - DN 100

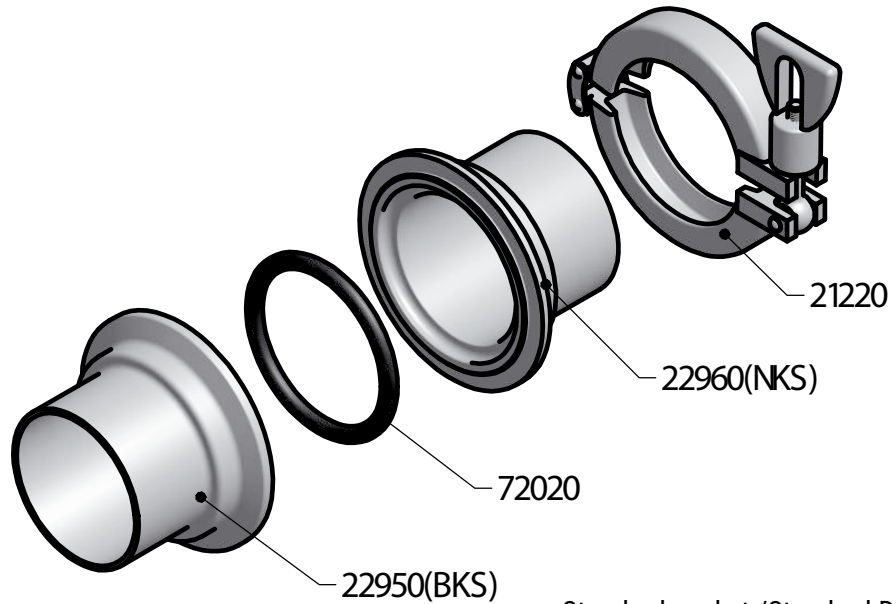
**Material / Material:** 1.4404 (AISI 316L)

**Gasket / Dichtring:** Silikon, EPDM, PTFE / Viton

Komponents / Komponenten



Detail gasket  
Detail der Dichtung



Standard gasket / Standard Dichtring  
- Silikon, EPDM, PTFE - Viton

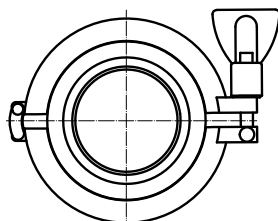
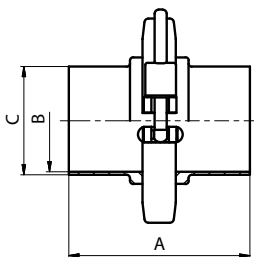
Clamp union S DIN 11964-3  
- complete  
Clampverbindungen S DIN 11864-3  
- komplett

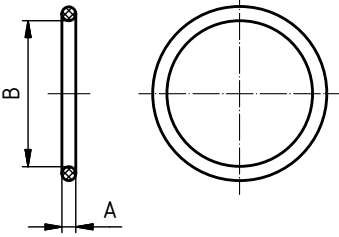
**22970**

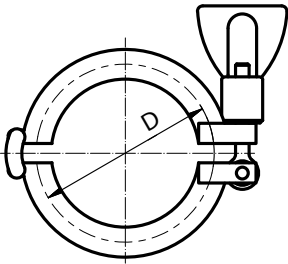
**Dimensions • Baumaße**

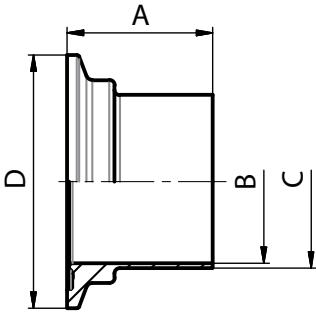
**DIN 11864-3**

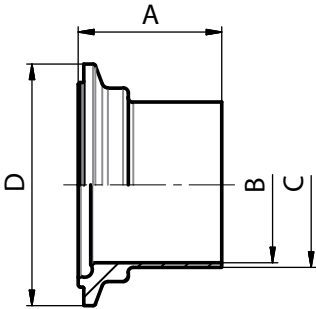
DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
10	77,5	10	13							
15	77,5	16	19							
20	77,5	20	23							
25	78,5	26	29							
32	89,5	32	35							
40	89,5	38	41							
50	90,5	50	53							
65	114,5	66	70							
80	118,5	81	85							
100	121,5	100	104							

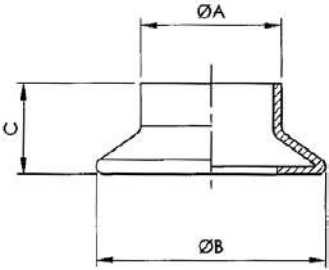


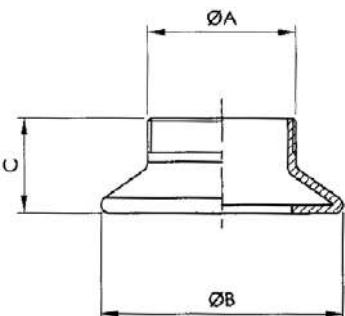
Gasket - O-ring Dichtring - O-ring	72020	Dimensions • Baumaße										
	DIN 11864-3	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	3,5	12									0,0012
	15	3,5	18									0,0016
	20	3,5	22									0,0026
	25	3,5	28									0,0036
	32	5	34									0,0040
	40	5	40									0,0048
	50	5	52									0,0062
	65	5	68									0,0070
	80	5	83									0,0080
	100	5	102									0,0134
	125	5	127									0,0236
	150	5	152									0,0276

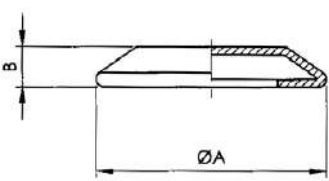
Clamp TC-Klammer leichte Ausführung	21220	Dimensions • Baumaße							
	DIN 11864-3	DN	SMS	DIN	C	D			kg
	1/2"	12,7	-			25			
	3/4"	19,05	-			25			
	15	-	15			34			
	20	-	20			34			
	1"	25	25			50,5			
	32	-	32			-			
	1 1/2"	38	40			50,5			
	2"	51	50			64			
	65	-	65			91			
	2 1/2"	63,5	-			77,5			
	3"	76	80			106			
4"	101,6	100			119				

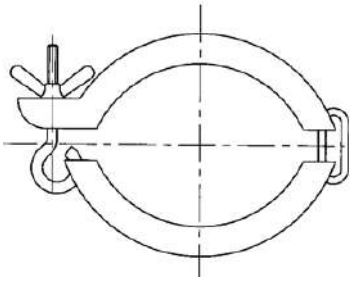
Clamp ferrule S (BKS) Klampschellen S (BKS)	22950 (BKS)	Dimensions • Baumaße										
	DIN 11864-3	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	38	10	13	34							
	15	38	16	19	34							
	20	38	20	23	50,5							
	25	38,5	26	29	50,5							
	32	44	32	35	50,5							
	40	44	38	41	64							
	50	44,5	50	53	77,5							
	65	56,5	66	70	91							
	80	58,5	81	85	106							
	100	60	100	104	130							

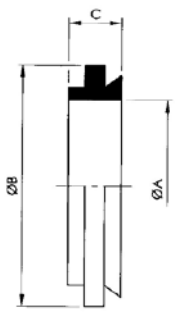
Clamp ferrule S (NKS) Klampschellen S (NKS)	22960 (NKS)	Dimensions • Baumaße										
	DIN 11864-3	DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	10	39,5	10	13	34							
	15	39,5	16	19	34							
	20	39,5	20	23	50,5							
	25	40	26	29	50,5							
	32	45,5	32	35	50,5							
	40	45,5	38	41	64							
	50	46	50	53	77,5							
	65	58	66	70	91							
	80	60	81	85	106							
	100	61,5	100	104	130							

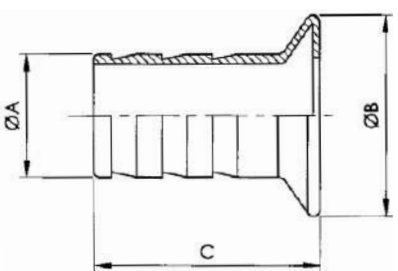
Long welding garolla fitting Anschw. Garollastutzen zoll	23400	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	40	41	65	31								0,12
	50	46	76	34								0,20
	60	58	87	35								0,20
	70	73	97	35								0,24
	80	86	108	36								0,28
	100	101	129	40								
	125	124	158	46								

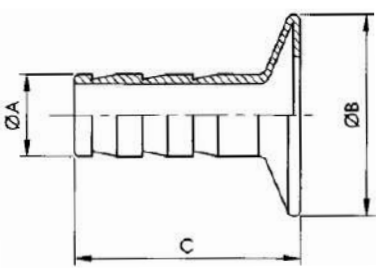
Half garolla fitting BSP ext. thread Garollastutzen mit ISO außengewinde	23440	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	40	1 1/4" G	65	31								
	50	1 1/2" G	76	34								
	60	2" G	87	35								
	70	2 1/2" G	97	35								
	80	3" G	108	36								
	100	4" G	129	40								
	120	5" G	158	46								

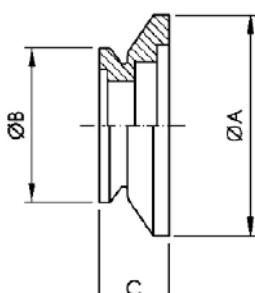
Garolla cap Klemmstöpsel	23480	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	thread DIN 405 Rd x s	kg
	40	65	19									0,10
	50	76	19									0,14
	60	87	19									
	70	97	19									
	80	108	19									
	100	129	20									0,38
	125	158	25									

Clamp for connectors Klemmen für anschluss	23520	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	SW	thread DIN 405 Rd x s	kg
	40											0,26
	50											0,28
	60											0,28
	70											0,30
	80											0,36
	100											0,40
	120											

Winery sealing ring Dichtung	<b>2352 B</b>	<b>Dimensions • Baumaße</b>										
		<b>DN</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>R</b>	<b>SW</b>	<b>thread DIN 405 Rd x s</b>	<b>kg</b>
		<b>40</b>	40	62								0,018
		<b>50</b>	50	72								0,018
		<b>60</b>	60	82								0,028
		<b>70</b>	70	94								0,040
		<b>80</b>	80	104								0,040
		<b>100</b>	100	124								
		<b>120</b>	120	154								

Garolla hose holder Halber klemmaschluss	<b>23600</b>	<b>Dimensions • Baumaße</b>										
		<b>DN</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>R</b>	<b>L</b>	<b>thread DIN 405 Rd x s</b>	<b>kg</b>
		<b>40</b>	40	65	80							0,22
		<b>50</b>	50	76	90							0,32
		<b>60</b>	60	87	95							
		<b>70</b>	70	97	100							0,44
		<b>80</b>	80	108	120							0,54
		<b>100</b>	100	129	140							
		<b>120</b>	120	158	150							

Garolla hose holder for reduction Reduziert schlauchgarollastutzen	<b>23640</b>	<b>Dimensions • Baumaße</b>									
		<b>DN</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>L</b>	<b>thread DIN 405 Rd x s</b>	<b>kg</b>			
		<b>40</b>	40 x 20 - 40 x 25 - 40 x 30 - 40 x 35	65	80						
		<b>50</b>	50 x 20 - 50 x 25 - 50 x 30 - 50 x 35	76	90						
		<b>60</b>	60 x 30 - 60 x 35 - 60 x 40 - 60 x 50	87	95						
		<b>70</b>	70 x 35 - 70 x 40 - 70 x 50 - 70 x 60	97	100						
		<b>80</b>	80 x 40 - 80 x 50 - 80 x 60 - 80 x 70	108	120						
		<b>100</b>	100 x 50 - 100 x 60 - 100 x 70 - 100 x 80	129	140						
		<b>120</b>	120 x 80 - 120 x 100	158	150						

Garolla reduction Garolla-reduzierstück	<b>23680</b>	<b>Dimensions • Baumaße</b>									
		<b>DN</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>R</b>	<b>L</b>	<b>thread DIN 405 Rd x s</b>
		<b>50/40</b>	76	65	55						
		<b>60/50</b>	87	76	60						
		<b>70/50</b>	98	76	62						
		<b>70/60</b>	98	87	64						
		<b>80/70</b>	108	98	68						
		<b>100/70</b>	129	98	70						
		<b>100/80</b>	129	108	75						
	<b>120/100</b>	158	129	85							