



PRODUCT CATALOG

Zeytinova Enerji Makine Tarım Ltd.Şti

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ISO-KF ISO-K / ISO-F ISO-CF VACUUM CHAMBER



ISO-KF SYSTEM

Elevate precision and efficiency in your industrial processes with our vacuum and fittings components; contact us for solutions.

ISO-KF vacuum components seamlessly integrate with all ISO-KF, NW, or QF vacuum flange hardware.

Available standard sizes include NW10, NW16, NW25, NW32, NW40, and NW50.

ISO-KF SYSTEM

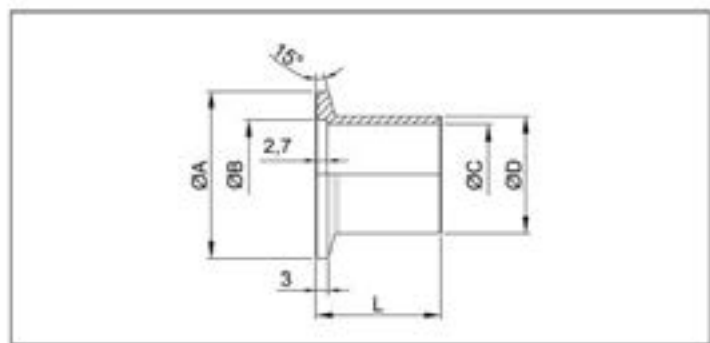


ISO-KF SHORT HALF FLANGE



- Pressure range: $1 \cdot 10^{-8}$ mbar to 1.5 bar (elastomer seal)
- $1 \cdot 10^{-9}$ mbar to 1.5 bar 304 & 316L (metal seal)
- Custom lengths available upon request

Dimensions



Aluminium EN AW-6082/3.2315

- Temperature Range: -196 to 150 °C

Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Order No	Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)
CV.....	10	14X2	30	12,2	10	14	10
	10	14X2	30	12,2	10	14	20
	10	14X2	30	12,2	10	14	30
	16	20X2	30	17,2	16	20	10
	16	20X2	30	17,2	16	20	20
	16	20X2	30	17,2	16	20	30
	20	25X2	40	22,2	21	25	10
	20	25X2	40	22,2	21	25	20
	20	25X2	40	22,2	21	25	30
	25	28X2	40	26,2	24	28	10
	25	28X2	40	26,2	24	28	20
	25	28X2	40	26,2	24	28	30
	32	38X2	55	34,2	34	38	10
	32	38X2	55	34,2	34	38	20
	32	38X2	55	34,2	34	38	30
	40	44.5X2	55	41,2	40,5	44,5	10
	40	44.5X2	55	41,2	40,5	44,5	20
	40	44.5X2	55	41,2	40,5	44,5	30
	50	57X3.2	75	52,2	50,6	57	10
	50	57X3.2	75	52,2	50,6	57	20
	50	57X3.2	75	52,2	50,6	57	30

ISO-KF LONG HALF FLANGE



- Pressure range: $1 \cdot 10^{-8}$ mbar to 1.5 bar (elastomer seal)
- $1 \cdot 10^{-9}$ mbar to 1.5 bar 304 & 316L (metal seal)

Aluminium EN AW-6082/3.2315

- Temperature Range: -196 to 150 °C°

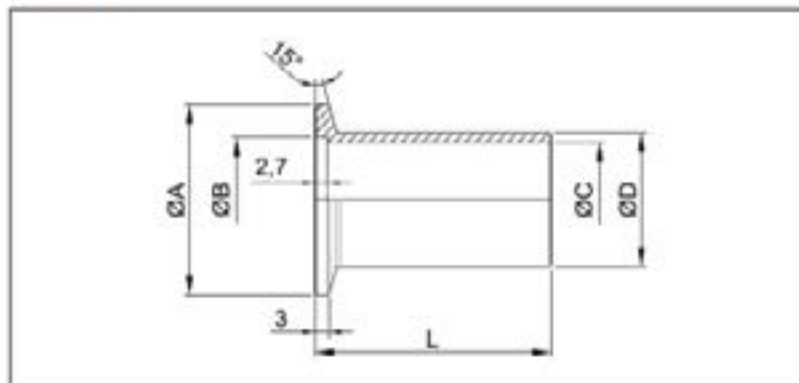
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Dimensions

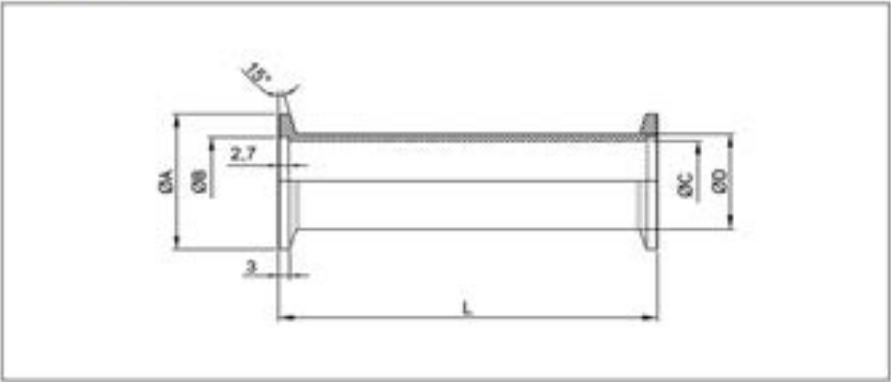


Order No	Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)
CV.....	10	14X2	30	12,2	10	14	40
	10	14X2	30	12,2	10	14	50
	10	14X2	30	12,2	10	14	60
	16	20X2	30	17,2	16	20	40
	16	20X2	30	17,2	16	20	50
	16	20X2	30	17,2	16	20	60
	20	25X2	40	22,2	20	25	40
	20	25X2	40	22,2	20	25	50
	20	25X2	40	22,2	20	25	60
	25	28X2	40	26,2	24	28	40
	25	28X2	40	26,2	24	28	50
	25	28X2	40	26,2	24	28	60
	32	38X2	55	34,2	34	38	40
	32	38X2	55	34,2	34	38	50
	32	38X2	55	34,2	34	38	60
	40	44.5X2	55	41,2	40,5	44,5	40
	40	44.5X2	55	41,2	40,5	44,5	50
	40	44.5X2	55	41,2	40,5	44,5	60
	50	57X3.2	75	52,2	50	57	40
	50	57X3.2	75	52,2	50	57	50
	50	57X3.2	75	52,2	50	57	60

ISO-KF FULL FLANGE

- Pressure range: 1 · 10⁻⁸ mbar to 1.5 bar (elastomer seal)
- 1 · 10⁻⁹ mbar to 1.5 bar 304 & 316L (metal seal)
- Custom lengths available upon request

Dimensions



Aluminium EN AW-6082/3.2315

- Temperature Range: -196 to 150 °C

Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

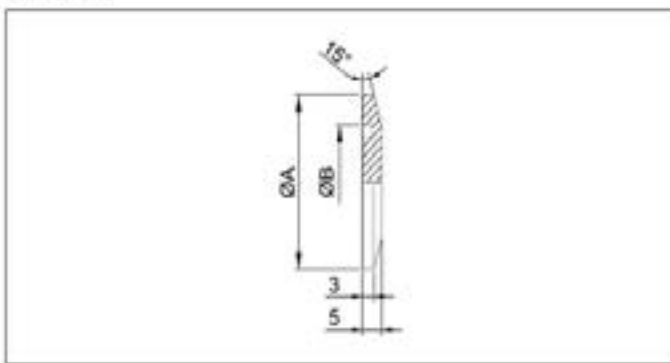
Order No	Size (DN)	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)
CV.....	10	30	12,2	10	14	60
	16	30	17,2	16	20	80
	20	40	22,2	20	25	100
	25	40	26,2	24	28	100
	32	55	34,2	34	38	130
	40	55	41,2	40,5	44,5	130
	50	75	52,2	50,6	57	140

ISO-KF BLANKING FLANGE

- Pressure range: $1 \cdot 10^{-8}$ mbar to 1.5 bar (elastomer seal)
- $1 \cdot 10^{-9}$ mbar to 1.5 bar 304 & 316L (metal seal)



Dimensions



Aluminium EN AW-6082/3.2315

- Temperature Range: -196 to 150 °C

Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Order No	Size (DN)	B (mm)	A (mm)
CV.....	10	12,2	30
	16	17,2	30
	20	22,2	40
	25	26,2	40
	32	34,2	55
	40	41,2	55
	50	52,2	75

ISO-KF WELD RING FLANGE



- Pressure range: $1 \cdot 10^{-8}$ mbar to 1.5 bar (elastomer seal)
- $1 \cdot 10^{-9}$ mbar to 1.5 bar 304 & 316L (metal seal)

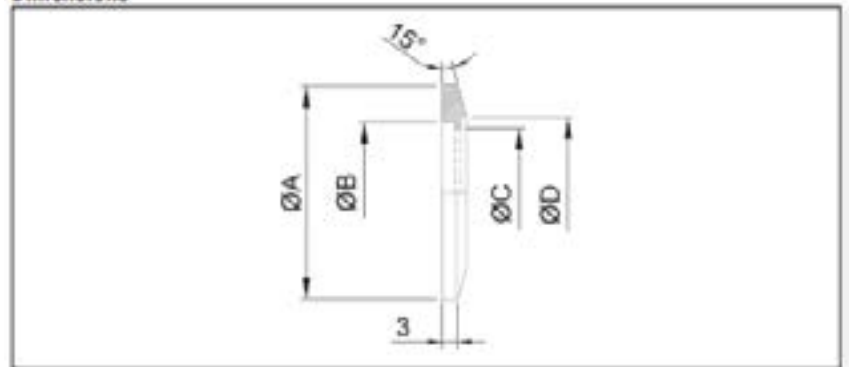
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Dimensions

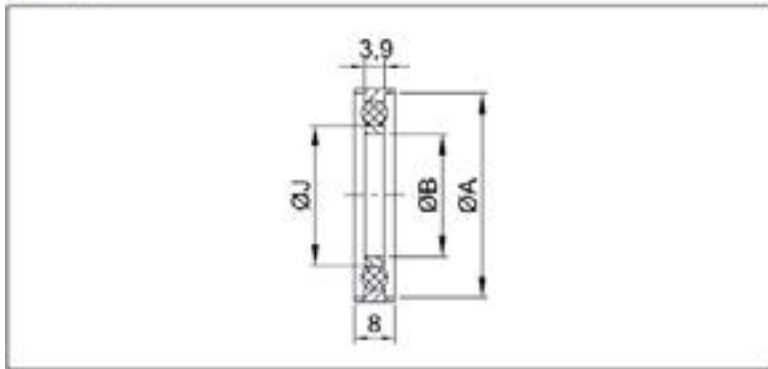


Order No	Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)	D (mm)
CV.....	10	14X2	30	12,2	10	14
	10	13X1.5	30	12,2	10	13
	16	20X2	30	17,2	16	20
	16	19x1.5	30	17,2	16	19
	20	25X2	40	22,2	21	25
	20	23x1.5	40	22,2	20	23

ISO-KF SEAL OUTER CENTERED

- Various types of O-ring seals are available.
- Inner ring material: Stainless steel
- Consider O-ring temperature ranges.

Dimensions



Aluminium EN AW-6082/3.2315

- Temperature Range: -196 to 150 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

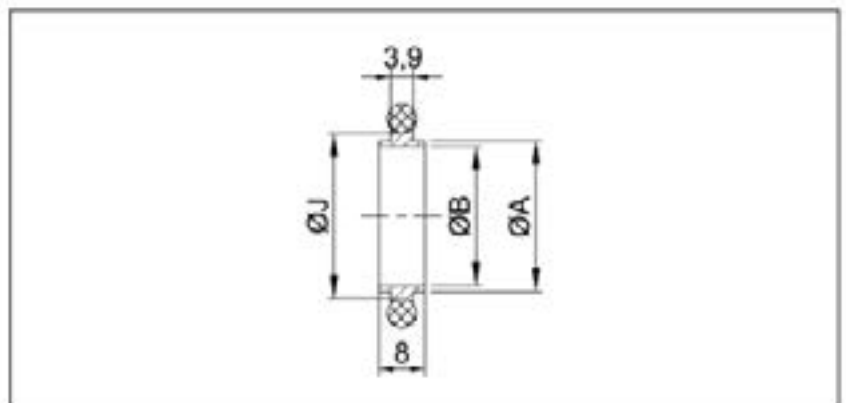
Order No	Size (DN)	A (mm)	B (mm)	J (mm)	O-ring
CV.....	10/16	30	16	18	FKM
	10/16	30	16	18	CR
	10/16	30	16	18	NBR
	10/16	30	16	18	EPDM
	10/16	40	24	28	VMQ(SILICON)
	20/25	40	24	28	FKM
	20/25	40	24	28	CR
	20/25	40	24	28	NBR
	20/25	40	24	28	EPDM
	20/25	40	24	28	VMQ(SILICON)
	32/40	55	40	42	FKM
	32/40	55	40	42	CR
	32/40	55	40	42	NBR
	32/40	55	40	42	EPDM
	32/40	55	40	42	VMQ(SILICON)
	50	75	50	55	FKM
	50	75	50	55	CR
	50	75	50	55	NBR
	50	75	50	55	EPDM
	50	75	50	55	VMQ(SILICON)

ISO-KF SEAL INNER CENTERED



- Various types of O-ring seals are available.
- Consider O-ring temperature ranges.

Dimensions



Aluminium EN AW-6082/3.2315

- Temperature Range: -196 to 150 °C

Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Order No	Size (DN)	A (mm)	B (mm)	J (mm)	O-ring
CV.....	10	12	10	15	FKM
	10	12	10	15	CR
	10	12	10	15	NBR
	10	12	10	15	EPDM
	10	12	10	15	VMQ(SILICON)
	16	17	16	18	FKM
	16	17	16	18	CR
	16	17	16	18	NBR
	16	17	16	18	EPDM
	16	17	16	18	VMQ(SILICON)
	20	22	20	24	FKM
	20	22	20	25	CR
	20	22	20	25	NBR
	20	22	20	25	EPDM
	20	22	20	25	VMQ(SILICON)
	25	26	24	28	FKM
	25	26	24	28	CR
	25	26	24	28	NBR
	25	26	24	28	EPDM
	25	26	24	28	VMQ(SILICON)
	32	34	32	35	FKM
	32	34	32	35	CR
	32	34	32	35	NBR
	32	34	32	35	EPDM
	32	34	32	35	VMQ(SILICON)
	40	41	40	42	FKM
	40	41	40	42	CR
	40	41	40	42	NBR
	40	41	40	42	EPDM
	40	41	40	42	VMQ(SILICON)
	50	52	50	55	FKM
	50	52	50	55	CR
	50	52	50	55	NBR
	50	52	50	55	EPDM
	50	52	50	55	VMQ(SILICON)

ISO-KF EDGE SEAL OUTER CENTERED



- No gas permeation
- Cryo, radiation tolerant and nuclear application
- Clean room application compatible
- For stainless steel flanges
- Fastener: ISO-KF Clamp for metal seals
- For single use only

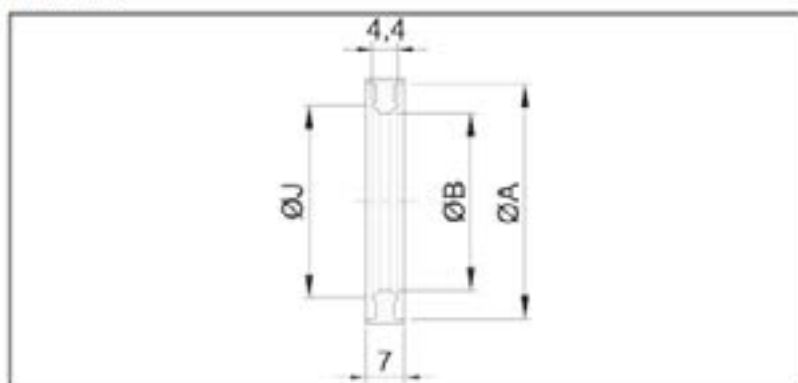
Aluminium EN AW-1050

- Temperature Range: -196 to 150 C°

Copper

- Temperature Range: -196 to 200 C°

Dimensions



Order No	Size (DN)	A (mm)	B (mm)	J (mm)
CV.....	10/16	30	20	23
	20/25	40	32	33
	32/40	55	45	48
	50	75	65	68

ISO-KF CASTING CLAMP



- For High Vacuum (HV) Applications
- For inner and outer center rings
- Die casting aluminium clamp
- Hinged, two-part device
- Quick assembly and removal
- Stainless steel bolt and wingnut
- Material Stainless Steel (AISI 304/1.4301, AISI 316L/1.4404)

Pressure Range Elastomer seal: 10⁻⁷ mbar to 2.5 bar

Metal seal: 10⁻⁹ mbar to 2.5 bar

Aluminium EN AW-6082/3.2315

- Temperature Range: -196 to 150 °C

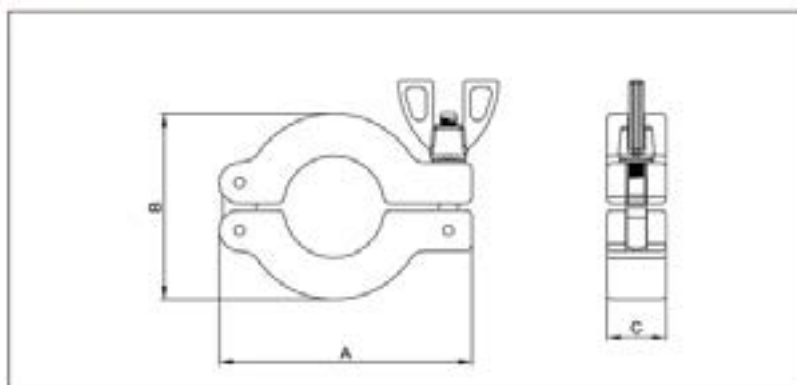
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

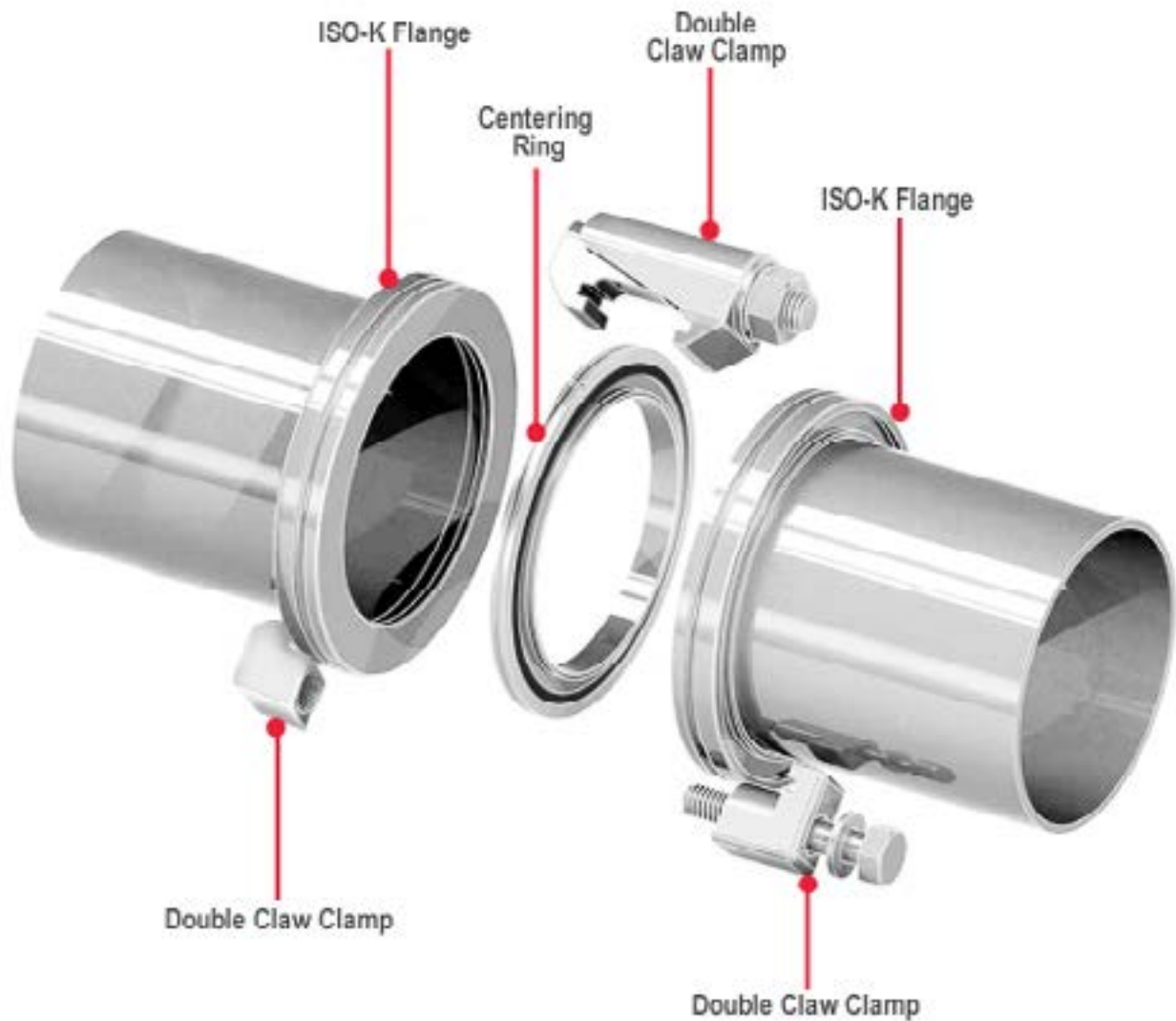
- Temperature range: -196 to 350 °C

Dimensions



Order No	Size (DN)	A (mm)	B (mm)	C (mm)
CV.....	10/16	62	45	17
	20/25	72	55	17
	32/40	92	70	17
	50	112	90	22

ISO-K/ ISO F SYSTEM



ISO-K/ ISO F SYSTEM

Check out this section for products NW63-NW630

ISO-K HALF FLANGE



- Pressure range: $1 \cdot 10^{-8}$ mbar to 1.5 bar (elastomer seal)
- $1 \cdot 10^{-9}$ mbar to 1.5 bar 304 & 316L (metal seal)
- Custom lengths available upon request

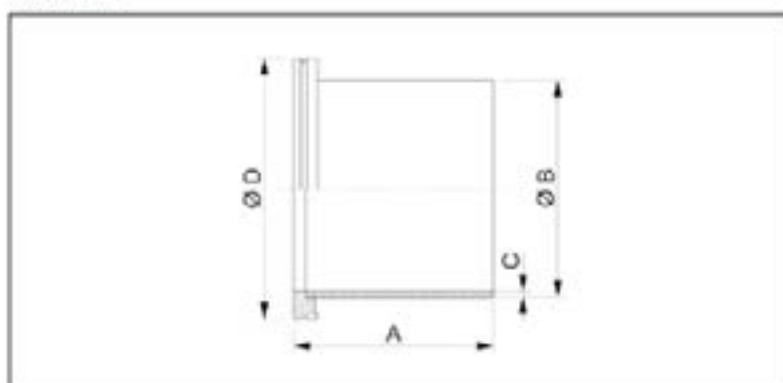
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Dimensions



Order No	Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)	D (mm)
CV.....	63	63.5x1.65	100	63,5	1,65	95
	63	76.1x3	100	76,1	3	95
	80	76.1x3	100	76,1	3	110
	80	88.9x3	100	88,9	3	110
	100	101.6x2.1	100	101,6	2,1	130
	100	108x3	100	108	3	130
	160	152.4x2.4	100	152,4	2,4	180
	160	159x3	100	159	3	180
	200	203.2x2.4	100	203,2	2,4	240
	200	219x3	100	219	3	240
	250	254x2	100	254	2	290
	250	273x3	100	273	3	290
	320	324x3	100	324	3	370
	400	406.4x3	100	406,4	3	450
	500	508x4	100	508	4	550
	630	660x5	100	660	5	690

ISO-K FULL FLANGE



- Pressure range: $1 \cdot 10^{-8}$ mbar to 1.5 bar (elastomer seal)
- $1 \cdot 10^{-9}$ mbar to 1.5 bar 304 & 316L (metal seal)
- Custom lengths available upon request

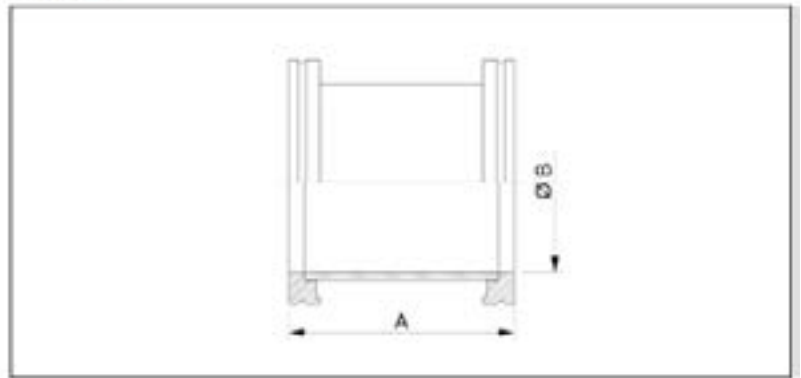
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Dimensions



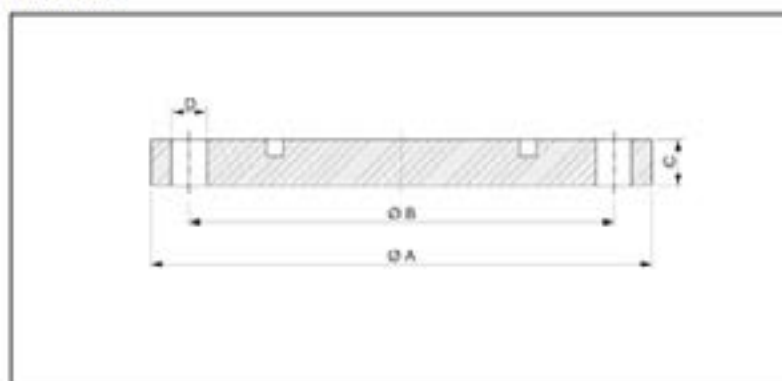
Order No	Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)	D (mm)
CV.....	63	63.5x1.65	100	63,5	1,65	95
	63	76.1x3	100	76,1	3	95
	80	76.1x3	100	76,1	3	110
	80	88.9x3	100	88,9	3	110
	100	101.6x2.1	100	101,6	2,1	130
	100	108x3	100	108	3	130
	160	152.4x2.4	100	152,4	2,4	180
	160	159x3	100	159	3	180
	200	203.2x2.4	100	203,2	2,4	240
	200	219x3	100	219	3	240
	250	254x2	100	254	2	290
	250	273x3	100	273	3	290
	320	324x3	100	324	3	370
	400	406.4x3	100	406,4	3	450
	500	508x4	100	508	4	550
	630	660x5	100	660	5	690

ISO-K BLANKING FLANGE



- Pressure range: $1 \cdot 10^{-8}$ mbar to 1.5 bar (elastomer seal)
- $1 \cdot 10^{-9}$ mbar to 1.5 bar 304 & 316L (metal seal)

Dimensions



Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Order No	Size (DN)	A (mm)	B (mm)	C (mm)	D (mm)
CV.....	63	95	70	12	4,5
	80	110	83	12	4,5
	100	130	102	12	4,5
	160	180	153	12	4,5
	200	240	213	12	4,5
	250	290	261	12	4,5
	320	370	318	17	4,5
	400	450	400	17	4,5
	500	550	501	17	4,5
	630	690	651	22	4,5

ISO-K WELD RING FLANGE



- Pressure range: $1 \cdot 10^{-8}$ mbar to 1.5 bar (elastomer seal)
- $1 \cdot 10^{-9}$ mbar to 1.5 bar 304 & 316L (metal seal)

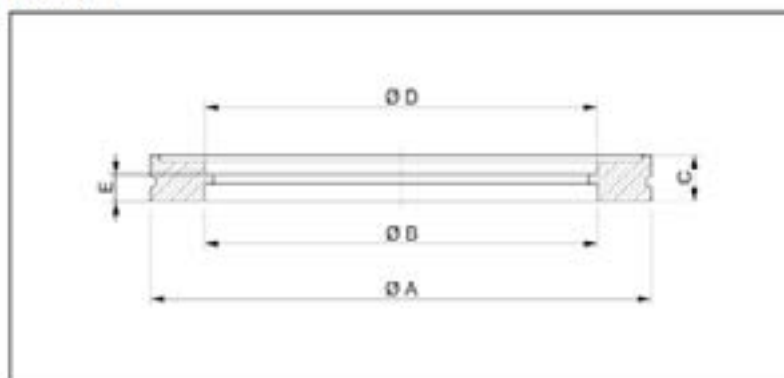
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Dimensions



Order No	Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
CV.....	63	63.5x1.65	95	70	12	63,8	7
	63	70x2	95	70	12	70,3	7
	63	76.1x3	95	70	12	76,4	6
	63	76.1x3	95	70	12	76,4	8
	80	76.1x3	110	83	12	76,4	7
	80	88.9x3	110	83	12	89,2	6
	100	101.6x2.1	130	102	12	101,9	7
	100	104x2	130	102	12	104,3	7
	100	108x3	130	102	12	108,3	6
	100	108x3	130	102	12	108,3	8
	100	114.3x2	130	102	12	114,6	6
	160	152.4x2.4	180	153	12	152,7	7
	160	159x3	180	153	12	159,3	6
	160	159x3	180	153	12	159,3	8
	200	203.2x2.4	240	213	12	203,6	7
	200	219x3	240	213	12	219,4	6
	200	219x3	240	213	12	219,4	8
	250	254x2	290	261	12	254,4	7
	250	273x3	290	261	12	273,4	6
	250	273x3	290	21	12	273,4	8
	320	324x3	370	318	17	324,4	8
	320	324x3	370	318	17	324,4	10
	400	406x3	450	400	17	406,5	8
	500	508x4	550	501	17	508,5	8
	630	660x5	690	651	22	660,5	12

ISO-K SEAL INNER CENTERED



- Various types of O-ring seals are available.
- Consider O-ring temperature ranges.

Aluminium EN AW-6082/3.2315

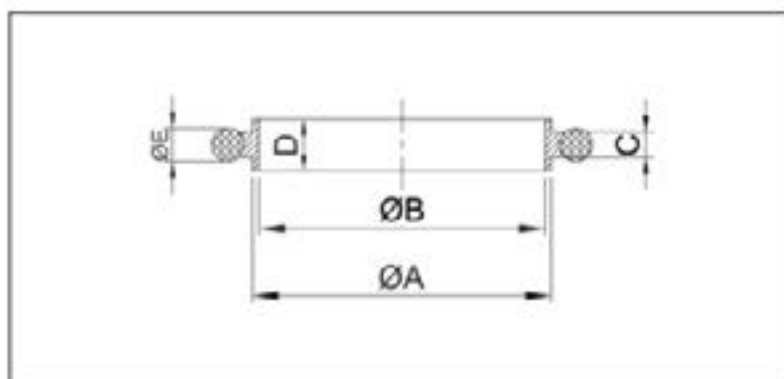
- Temperature Range: -196 to 150 C°

Stainless Steel 304/1.4301

- Temperature range: -196 to 300 C°

Stainless Steel 316L/1.4404

Dimensions



Order No	Size (DN)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	O-ring material
CV.....	63	70	68	3,9	8	5,33	FKM
	80	83	81	3,9	8	5,33	FKM
	100	102	100	3,9	8	5,33	FKM
	160	153	151	3,9	8	5,33	FKM
	200	213	211	3,9	8	5,33	FKM
	250	261	259	3,9	8	5,33	FKM
	320	318	313	5,6	14	7	FKM
	400	400	395	5,6	14	7	FKM
	500	501	496	5,6	14	7	FKM
	630	651	646	5,6	14	7	FKM
	63	70	68	3,9	8	5,33	CR
	80	83	81	3,9	8	5,33	CR
	100	102	100	3,9	8	5,33	CR
	160	153	151	3,9	8	5,33	CR
	200	213	211	3,9	8	5,33	CR
	250	261	259	3,9	8	5,33	CR
	320	318	313	5,6	14	7	CR
	400	400	395	5,6	14	7	CR
	500	501	496	5,6	14	7	CR
	630	651	646	5,6	14	7	CR
	63	70	68	3,9	8	5,33	NBR
	80	83	81	3,9	8	5,33	NBR
	100	102	100	3,9	8	5,33	NBR
	160	153	151	3,9	8	5,33	NBR
	200	213	211	3,9	8	5,33	NBR
	250	261	259	3,9	8	5,33	NBR
	320	318	313	5,6	14	7	NBR
	400	400	395	5,6	14	7	NBR
	500	501	496	5,6	14	7	NBR
	630	651	646	5,6	14	7	NBR
	63	70	68	3,9	8	5,33	EPDM
	80	83	81	3,9	8	5,33	EPDM
	100	102	100	3,9	8	5,33	EPDM
	160	153	151	3,9	8	5,33	EPDM
	200	213	211	3,9	8	5,33	EPDM
	250	261	259	3,9	8	5,33	EPDM
	320	318	313	5,6	14	7	EPDM
	400	400	395	5,6	14	7	EPDM
	500	501	496	5,6	14	7	EPDM
	630	651	646	5,6	14	7	EPDM
	63	70	68	3,9	8	5,33	VMQ(SILICON)
	80	83	81	3,9	8	5,33	VMQ(SILICON)
	100	102	100	3,9	8	5,33	VMQ(SILICON)
	160	153	151	3,9	8	5,33	VMQ(SILICON)
	200	213	211	3,9	8	5,33	VMQ(SILICON)
	250	261	259	3,9	8	5,33	VMQ(SILICON)
	320	318	313	5,6	14	7	VMQ(SILICON)
	400	400	395	5,6	14	7	VMQ(SILICON)
	500	501	496	5,6	14	7	VMQ(SILICON)
	630	651	646	5,6	14	7	VMQ(SILICON)

ISO-K SEAL INNER CENTERED



- Suitable for use with elastomer seals
- Bolt: A2-70 stainless steel
- Do not use in turbo pump assembly
- Torque (max) DN63-250: 16 Nm, DN320-630: 26 Nm
- Pressure Range: Elastomer seal: 10-7 mbar to 2.5 bar

Aluminium EN AW-6082/3.2315

- Temperature Range: -196 to 150 °C

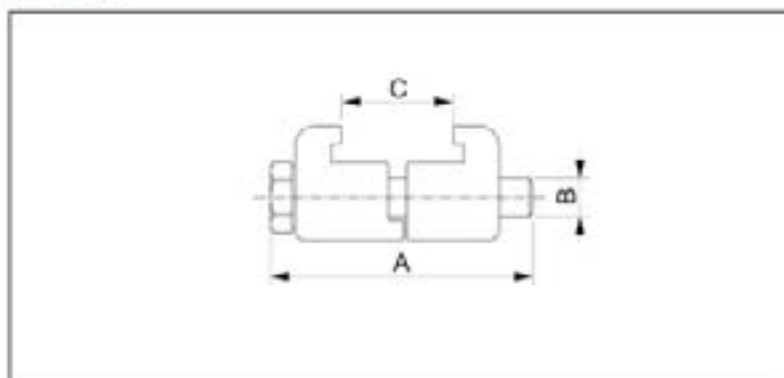
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Dimensions



Order No	Size (DN)	A (mm)	B (mm)	C (mm)
CV.....	63-250	61,5	M10	15 mm- 27 mm
	320-500	75	M12	27 mm- 33 mm
	630	85	M12	36 mm- 44 mm

ISO-F BLANKING FLANGE



- Pressure range: $1 \cdot 10^{-8}$ mbar to 1.5 bar (elastomer seal)
- $1 \cdot 10^{-9}$ mbar to 1.5 bar 304 & 316L (metal seal)

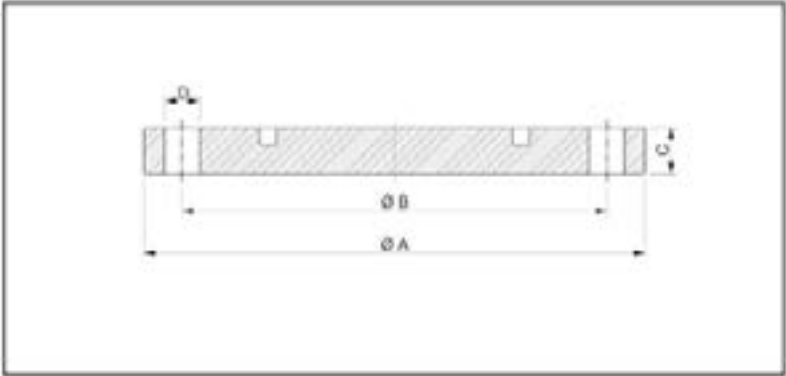
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Dimensions



Order No	Size (DN)	A (mm)	B (mm)	C (mm)	D (mm)
CV.....	63	130	110	12	9
	100	165	145	12	9
	160	225	200	16	11
	200	285	260	16	11
	250	335	310	16	11

ISO-F WELD RING FLANGE



- Pressure range: $1 \cdot 10^{-8}$ mbar to 1.5 bar (elastomer seal)
- $1 \cdot 10^{-9}$ mbar to 1.5 bar 304 & 316L (metal seal)

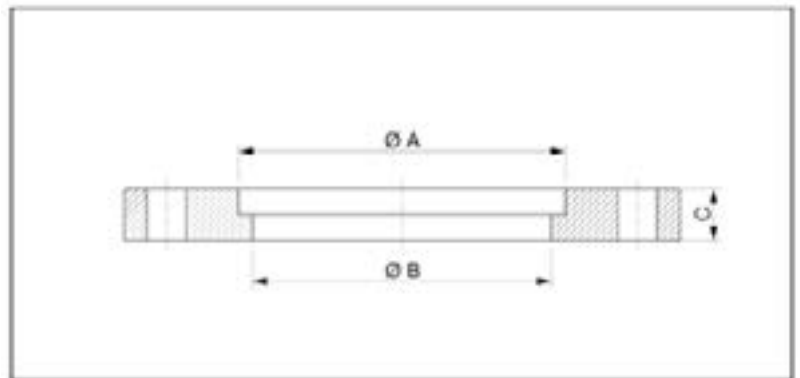
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

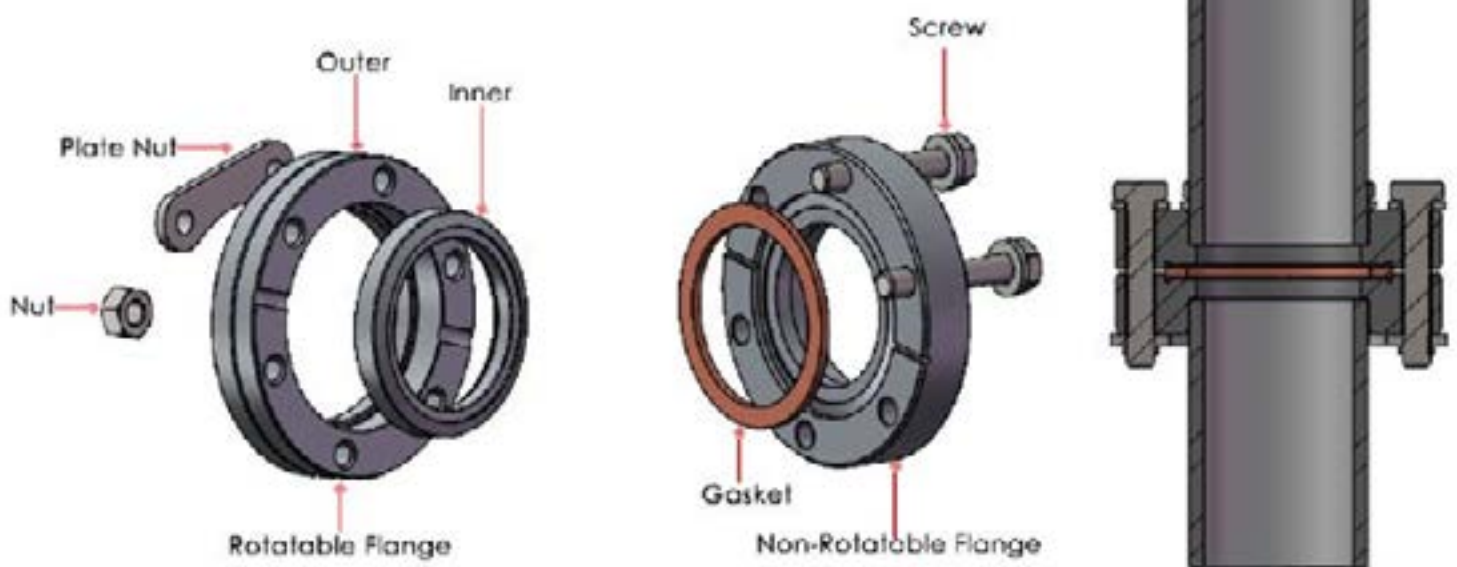
- Temperature range: -196 to 350 °C

Dimensions



Order No	Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)
CV.....	63	76,1x3	76,4	70	12
	100	108x3	108,3	102	12
	160	159x3	159,3	153	16
	200	219x3	219,4	213	16
	250	273x3	273,4	261	16

ISO-CF SYSTEM



ISO-CF SYSTEM

Check out this section for products NW63-NW630

CF HALF FLANGE



- Pressure range: 1 · 10⁻¹² mbar to ambient pressure
- Custom lengths available upon request
- Tube surface: Glass bead blasted (polished version on request)
- Tightness: ≤ 1 · 10⁻¹⁰ mbar l/s

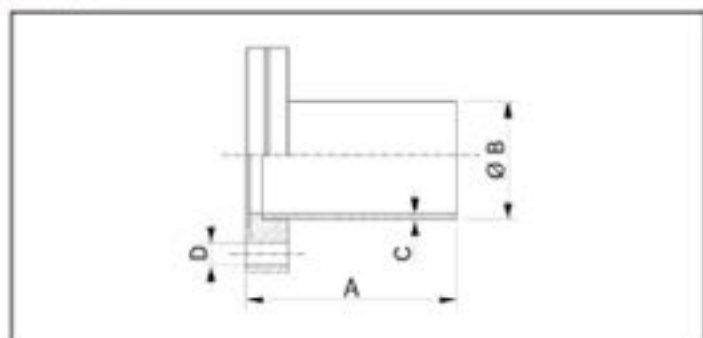
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C
 - Flange material: SS304 / 1.4301
 - Tube material: SS304 / 1.4301 stainless Steel
- 304/1.4301**
- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C
- Flange material: SS316L / 1.4404
- Tube material: SS316L / 1.4404 stainless Steel

Dimensions



Order No	Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)	D (mm)
CV.....	16	18x1	38	18	1	4,4
	16	19,05x1,65	38	19,05	1,65	4,4
	25	25,4x1,65	52	25,4	1,65	6,6
	40	38x1,5	63	38	1,5	6,6
	40	40x1,5	63	40	1,5	6,6
	50	50,8x1,65	82	50,8	1,65	8,4
	63	63,5x1,65	105	63,5	1,65	8,4
	63	70x2	105	70	2	8,4
	75	76,1x2	90	76,1	2	8,4
	100	101,6x2,1	135	101,6	2,1	8,4
	100	108x2	135	108	2	8,4
	160	154x2	167	154	2	8,4
	160	159x2	167	159	2	8,4
	200	203.2x2.4	200	203,2	2,4	8,4
	200	204x2	200	204	2	8,4
	200	205x2	200	205	2	8,4
	250	254x2	200	254	2	8,4
	250	256x3	200	256	3	8,4
	300	306x3	230	306	3	10,4
	350	356x3	230	356	3	10,4

CF FULL HALF FLANGE



- Pressure range: $1 \cdot 10^{-12}$ mbar to ambient pressure
- Custom lengths available upon request
- Tube surface: Glass bead blasted (polished version on request)
- Tightness: $\leq 1 \cdot 10^{-10}$ mbar l/s

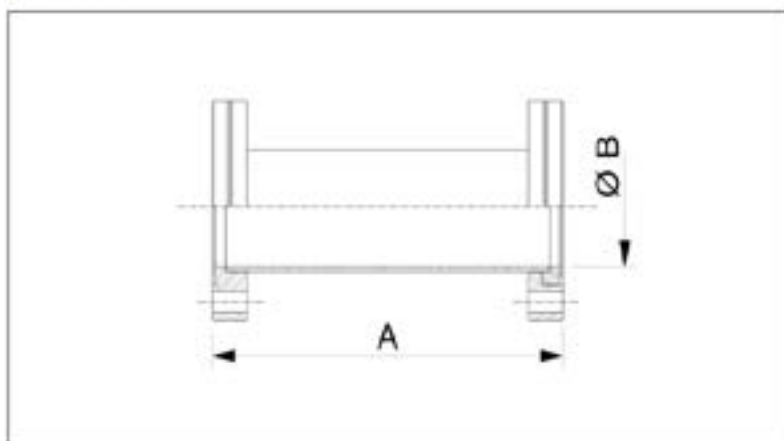
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C
 - Flange material: SS304 / 1.4301
 - Tube material: SS304 / 1.430 tainless Steel
- 304/1.4301**
- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C
- Flange material: SS316L / 1.4404
- Tube material: SS316L / 1.4404ainless Steel

Dimensions



Order No	Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)
CV.....	16	18x1	76	16
	40	40x1,5	126	37
	63	70x2	210	66
	100	108x2	270	104
	160	159x2	334	155

CF BLANKING FLANGE



- Pressure range: $1 \cdot 10^{-12}$ mbar to ambient pressure
- Bake out range is up to 450°C

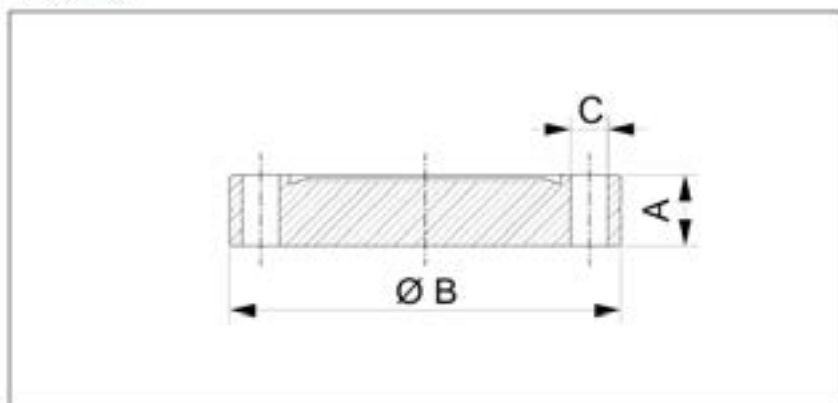
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C
 - Flange material: SS304 / 1.4301
 - Tube material: SS304 / 1.430 tainless Steel
- 304/1.4301**
- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C
- Flange material: SS316L / 1.4404
- Tube material: SS316L / 1.4404ainless Steel

Dimensions



Order No	Size (DN)	A (mm)	B (mm)	C (mm)
CV.....	16	7,5	34	4,4
	25	12	54	6,8
	40	13	69,9	6,8
	50	16,5	85,7	8,4
	63	17,5	113,5	8,4
	75	18	117,4	8,4
	100	20	152	8,4
	125	21,5	171,4	8,4
	160	21,5	202,4	8,4
	200	24,5	253,2	8,4
	250	24,5	304,8	8,4
	300	28,5	355,6	10,8

CF WELD FLANGE



- Pressure range: 1 · 10⁻¹² mbar to ambient pressure
- Bake out range is up to 450°C

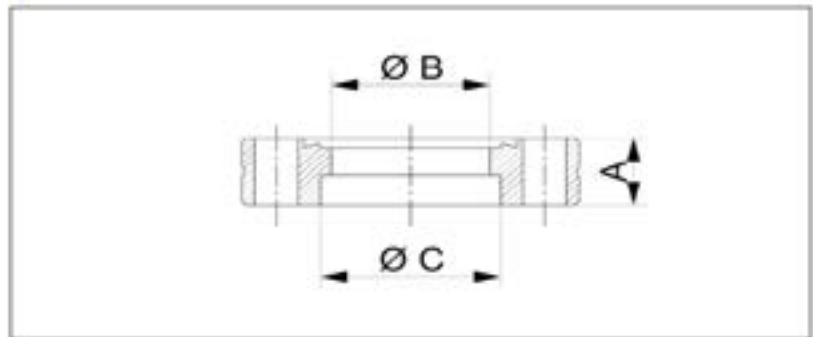
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C
- Flange material: SS304 / 1.4301
- Tube material: SS304 / 1.430 tainless Steel 304/1.4301
- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C
- Flange material: SS316L / 1.4404
- Tube material: SS316L / 1.4404ainless Steel

Dimensions



Order No	Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)
CV.....	16	18x1	7,5	16	18,15
	16	19.05x1.65	7,5	15,75	19,2
	25	25.4x1.65	12	22,1	25,6
	25	28x2	12	24	28,2
	40	38x1.5	13	35	38,2
	40	40x1.5	13	37	40,2
	40	42.4x2	13	38,4	42,6
	40	44.5x2	13	40,5	44,7
	50	50.8x1.65	16,5	47,5	51,1
	63	63.5x1.65	17,5	60,2	63,8
	63	70x2	17,5	66	70,3
	75	76.1x2	18	72,1	76,4
	100	101.6x2.1	20	97,4	101,9
	100	104x2	20	100	104,3
	100	108x2	20	104	108,3

CF WELD FLANGE, ROTATABLE



- Pressure range: 1 · 10⁻¹² mbar to ambient pressure
- Bake out range is up to 450°C

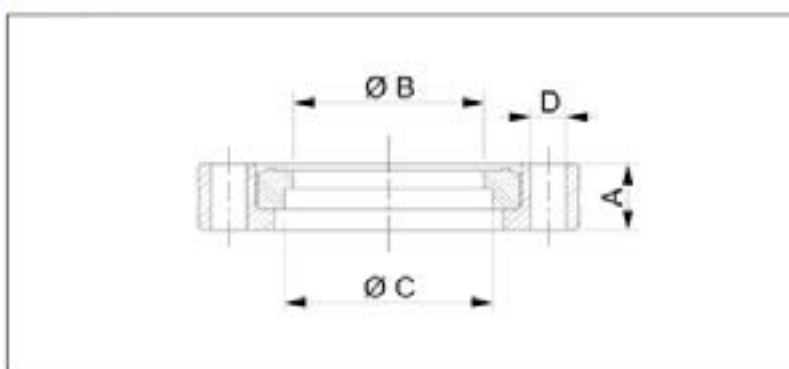
Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C
 - Flange material: SS304 / 1.4301
 - Tube material: SS304 / 1.430 tainless Steel
- 304/1.4301**
- Temperature range: -196 to 300 °C

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C
- Flange material: SS316L / 1.4404
- Tube material: SS316L / 1.4404ainless Steel

Dimensions



Order No	Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)
CV.....	16	18x1	7,5	16	18,15
	16	19.05x1.65	7,5	15,75	19,2
	25	25.4x1.65	12	22,1	25,6
	25	28x2	12	24	28,2
	40	38x1.5	13	35	38,2
	40	40x1.5	13	37	40,2
	40	42.4x2	13	38,4	42,6
	40	44.5x2	13	40,5	44,7
	50	50.8x1.65	16,5	47,5	51,1
	63	63.5x1.65	17,5	60,2	63,8
	63	70x2	17,5	66	70,3
	75	76.1x2	18	72,1	76,4
	100	101.6x2.1	20	97,4	101,9
	100	104x2	20	100	104,3
	100	108x2	20	104	108,3

CF METAL GASKET



- Especially well-suited for viewports
- For single use only
- Pressure range: 1 · 10⁻¹³ mbar to ambient pressure

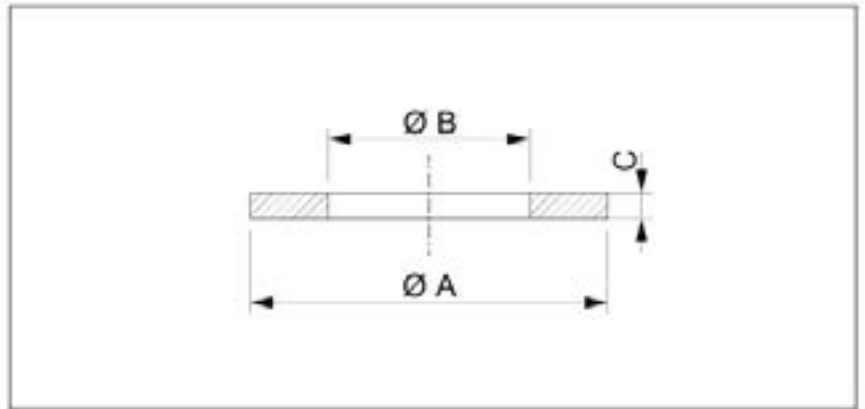
OFHC Copper (Oxygen-free)

- Temperature range: -196 to 200 °C

Silver-Plated OFHC Copper

- Temperature range: -196 to 450 °C

Dimensions



Order No	Size (DN)	A (mm)	B (mm)	C (mm)
CV.....	16	21,3	16	2
	25	32,8	25,5	2
	40	48,2	36,6	2
	50	61,6	50,8	2
	63	82,4	63,4	2
	75	91,4	76,3	2
	100	120,5	101,6	2
	125	141,4	127,1	2
	160	171,3	152,4	2
	200	222,1	203,3	2
	250	272,9	254	2
	300	313,2	300	2
	350	376,6	356,5	2

VACUUM CHAMBERS



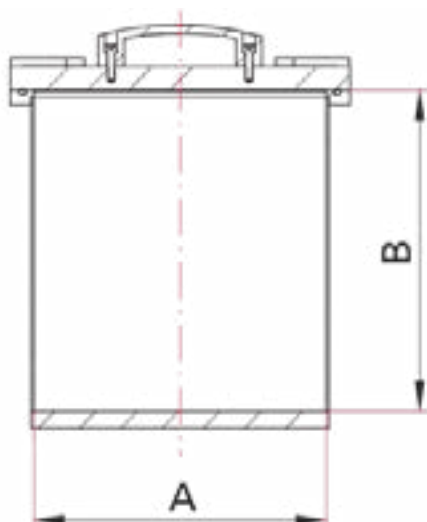
VACUUM CHAMBERS

MEDIUM VACUUM CHAMBER



Product Description

- Cylindrical, vertical chamber body; welded flat bottom and top flange
- Acrylic glass cover (PMMA) with handles and FKM-door seal for sealing
- Surface: inside and outside glass bead blasted
- Chamber with mounting straps
- Chamber ports available



Technical Properties

- **Material:** Chamber body made from stainless steel 304 (1.4301), chamber cover made from acrylic glass (PMMA)
- **Ultimate Pressure/Vacuum Level :** $1 \cdot 10^{-5}$ hPa
- **Temperature Range:** -15 – 150 °C
- **Tightness:** $< 1 \cdot 10^{-9}$ Pa m³/s

Order No	Size (DN)	A (mm)	B (mm)
CV.....	250	250	300
	320	320	350
	400	400	400

HIGH VACUUM CHAMBER, CUBICAL



Product Description

- Cubical chamber body
- Door with hinges, locking mechanism and FKM seal
- Surface: inside and outside glass bead blasted
- Chamber with foot-plates and ring bolts
- Feet available separately
- Chamber ports available
- Helium leak test performed for quality assurance



Technical Properties

- **Material:** Chamber body and door made from stainless steel 304 (1.4301)
- **Ultimate Pressure/Vacuum Level :** $1 \cdot 10^{-7}$ hPa
- **Temperature Range:** -15 – 150 °C
- **Tightness:** $< 1 \cdot 10^{-9}$ Pa m³/s

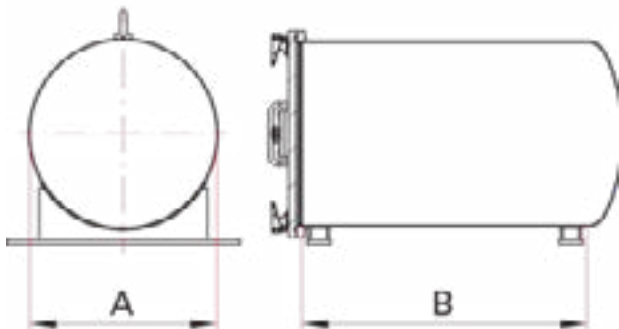
Order No	Size (DN)	A (mm)
CV.....	300	300
	500	500
	750	750

HIGH VACUUM CHAMBER, HORI-



Product Description

- Cylindrical, horizontal chamber body; back side welded
- Stainless steel door with hinges, quick clamps and FKM-door seal
- Surface: inside and outside glass bead blasted
- Chamber with foot-plates and ring bolts
- Feet available separately
- Chamber ports available



Technical Properties

- Material: Chamber body and door made from stainless steel 304 (1.4301)
- Ultimate Pressure/Vacuum Level : $1 \cdot 10^{-7}$ hPa
- Temperature Range: -15 – 150 °C
- Tightness: $< 1 \cdot 10^{-9}$ Pa m³/s

Order No	Size (DN)	X (mm)	Y (mm)
CV.....	320	320	500
	400	400	600
	500	500	750
	600	600	900



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