

ACESSÓRIOS ORIGINAIS **nwkf**



| Seladoras a Vácuo | Bombas de Vácuo
| Vacuômetros Eletrônicos | Equipamentos Termovácuo

Symbol Tecnologia de Vácuo Ltda.

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A MAIS COMPLETA LINHA DE ACESSÓRIOS PARA VÁCUO!



Anéis de Centragem



Abraçadeiras KF



Flanges KF para Solda



Mangueiras de Fole KF



Flanges Fechadas



Curvas e Tubos



Tees



Cruzetas



Adaptadores e Redutores

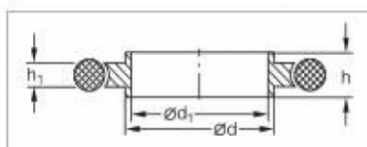


Clamps



Flanges com Terminal Mangueira

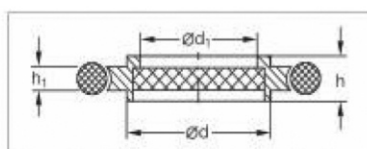
Anel de Centragem (alumínio / aço inox) com O-ring (NBR / VITON)



Dimensões do Anel de Centragem com O-ring

DN	ISO-KF	10	16	20	25	40	50
d	mm	12	17	22	26	41	52
d1	mm	10	16	20	25	40	50
h	mm	8	8	8	8	8	8
h1	mm	3.9	3.9	3.9	3.9	3.9	3.9

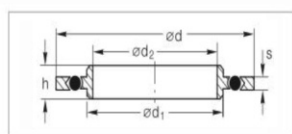
Anel de Centragem (aço inox) com tela de metal SS e O-ring (VITON)



Dimensões do Anel de Centragem com tela de metal SS e O-ring

DN	ISO-KF	10	16	20	25	40	50
d	mm	12	17	22	26	41	52
d1	mm	8	14	18	23	38	48
h	mm	8	8	8	8	8	8
h1	mm	3.9	3.9	3.9	3.9	3.9	3.9

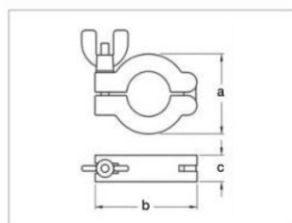
Anel de Centragem (alumínio / aço inox) com O-ring (NBR / VITON)



Dimensões do Anel de Centragem com O-ring

DN	KF	63	100	160	200	250	320	400
d	mm	96	128	179	239	287	358	440
d1	mm	70	102	153	213	261	318	400
d2	mm	67	99	150	210	258	313	395
h	mm	8	8	8	8	8	14	14
s	mm	3.9	3.9	3.9	3.9	3.9	5.6	5.6

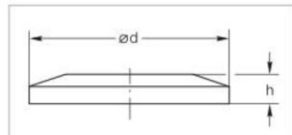
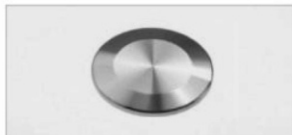
Abraçadeira (alumínio / aço inox)



DN	ISO-KF	10/16	20/25	32/40	50
a	mm	45	55	70	97
b	mm	61	72	90	123
c	mm	16	16	18	24

Dimensões da Abraçadeira

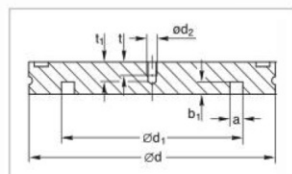
Flange Fechada (alumínio / aço inox)



DN	ISO-KF	10/16	25	40	50
d	mm	30	40	55	75
h	mm	5	5	5	6

Dimensões da Flange Fechada

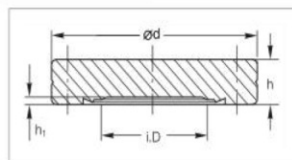
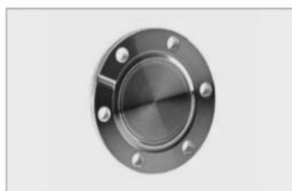
Flange Fechada (alumínio / aço inox)



Dimensões da Flange Fechada

DN	ISO-K	63	100	160	200	250	320	400	500	630
a	mm	5	5	5	5	5	5	5	5	5
b	mm	12	12	12	12	12	17	17	17	22
b1	mm	4.5					6.5			
d	mm	95	130	180	240	290	870	450	550	690
d1	mm	70	102	153	213	261	318	400	501	651
d2	thread	-	-	-	-	-	-	-	M8	M8
t	mm	8	8	8	8	8	8	8	8	8
t1	mm	12	12	12	12	12	12	12	12	12

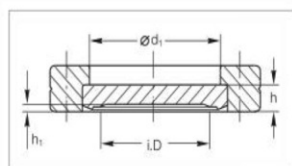
Flange de Fixação Fechada (alumínio / aço inox)



Dimensões da Flange de Fixação Fechada

DN	CF	16	40	63	100	160	200	250
outside	mm	34	70	114	152	202	253	305
Inside	mm	14	38	66	104	155	205	256
d	mm	34	70	114	152	202	253	305
h	mm	7	13	18	20	22	25	26
h1	mm	1.4	1.4	1.4	1.4	1.4	1.4	1.4

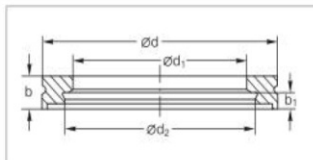
Flange Rotativa (alumínio / aço inox)



Dimensões da Flange Rotativa

DN	CF	16	40	63	100	160	200	250
outside	mm	34	70	114	152	202	253	305
Inside	mm	14	38	66	104	155	205	256
d	mm	18.6	41	71	109	160	206	257
h	mm	5.8	7.6	12.6	14.3	15.8	17.1	18.0
h1	mm	1.4	1.4	1.4	1.4	1.4	1.4	1.4

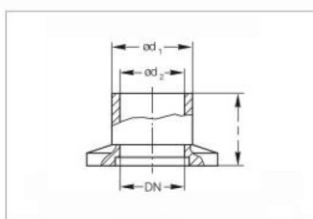
Flange para Solda



Dimensões da Flange para Solda

DN	ISO-K	63	100	160	200	250
b	mm	12	12	12	12	12
b1	mm	6	6	6	6	6
d	mm	95	130	180	240	290
d1	mm	70	102	153	213	261
d2	mm	76.6	108.7	159.8	219.8	267.8

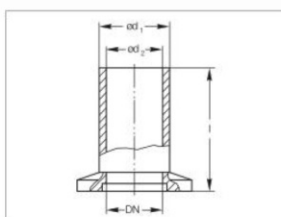
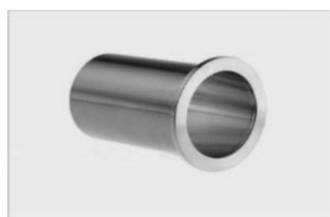
Flange para Solda com Tubo (aço inox)



DN	ISO-KF	10	16	25	40	50
d1	mm	16	20	30	45	55
d2	mm	12	16	26	41	51
l	mm	20	20	20	20	20

Dimensões da Flange para Solda com Tubo

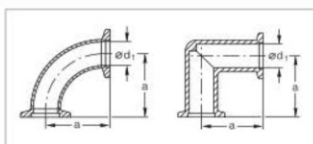
Flange para Solda com Tubo Longo (aço inox)



DN	ISO-KF	10	16	25	40	50
d1	mm	16	20	30	45	55
d2	mm	12	16	26	41	51
l	mm	70	70	70	70	70

Dimensões da Flange para Solda com Tubo Longo

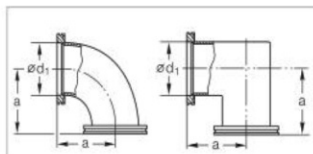
Curva 90° / Cotovelo 90°



Dimensões da Curva 90° / Cotovelo 90° aço inox (esquerda) e alumínio (direita)

DN	ISO-KF	16	16	25	25	40	40	50
a	mm	40	40	50	50	65	65	70
d1	mm	16	15	25	25	39	39	49
Conductance L/S		6.5	-	18.9	-	56.5	-	-

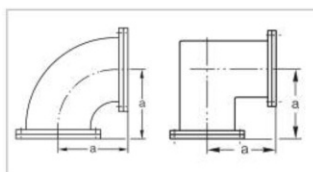
Curva 90° / Cotovelo 90°



Dimensões da Curva 90° / Cotovelo 90° aço inox (esquerda) e alumínio (direita)

DN	ISO-K	63	100	160	250
a	mm	88	108	138	208
d1	mm	70	102	153	261
Weight KG		1.1	2.2	5.9	9.9
Conductance L/S		208	470	1200	3700

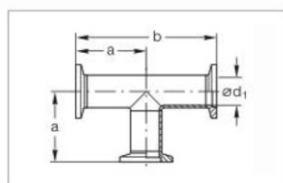
Curva 90° / Cotovelo 90°



Dimensões da Curva 90° / Cotovelo 90° aço inox (esquerda) e alumínio (direita)

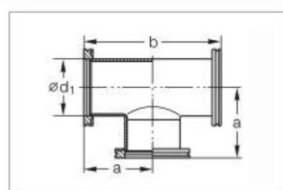
DN	CF	16	40	63	100	160
a	mm	38	63	105	135	167

Tee



Dimensões do Tee

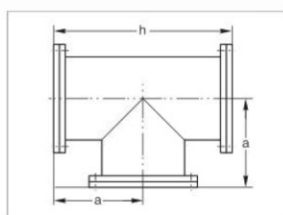
DN	ISO-KF	16	25	40	50
a	mm	40	50	65	70
b	mm	80	100	130	140
d1	mm	16	25	39	53
Conductance L/S		6.5	18.9	56.5	-



Dimensões do Tee

DN	ISO-F	63	100	160	250
a	mm	88	108	138	208
b	mm	176	216	276	416
d1	mm	70	102	153	261
Weight	kg	1.6	3.2	7.6	8.1

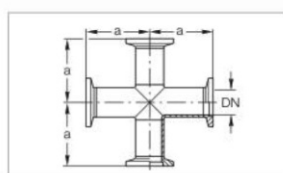
Tee com Flanges Axiais



Dimensões do Tee com Flanges Axiais

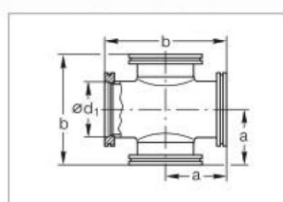
DN	CF	16	40	63	100	160
a	mm	38	63	105	135	167
h	mm	76	126	210	270	334

Cruzeta



DN	ISO-KF	16	25	40	50
a	mm	40	50	65	70
Conductance L/S		6.5	18.9	56.5	-

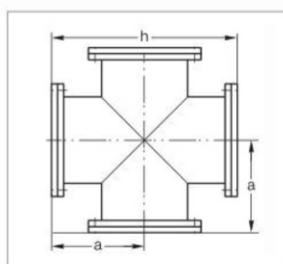
Dimensões da Cruzeta



DN	ISO-F	63	100	160	250
a	mm	88	108	138	208
b	mm	176	216	276	416
d1	mm	70	102	153	261

Dimensões da Cruzeta

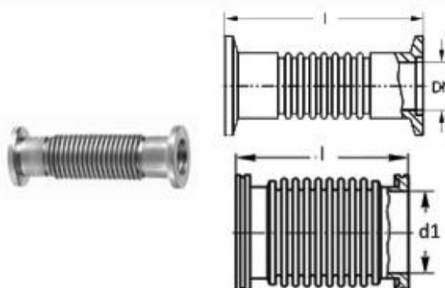
Cruzeta com Flanges Axiais



DN	CF	16	40	63	100	160
a	mm	38	63	105	135	167
h	mm	76	126	210	270	334

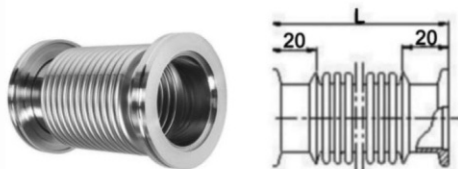
Dimensões da Cruzeta com Flanges Axiais

Mangueira de Fole com Flanges



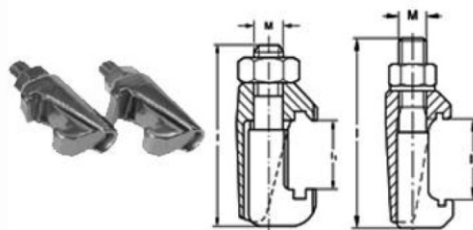
DN	ISO-KF/K	16	25	40	50	63K	100K	160K	250K
L	mm	70	80	100	100	70	102	153	261
Wall thickness	mm	0.13	0.13	0.25	0.2	132	132	150	200
compression	mm	6.5	8	11	10	20	28	22	30
Tension	mm	4	5	7	6	20	28	22	30
Max.angle	degree	±21	±7	±15	±15	±30	±30	±14	±13
Lateral motion	mm	±4	±3.5	±7	±8	7.5	9.0	3.5	4.5

Mangueira de Fole com Flanges



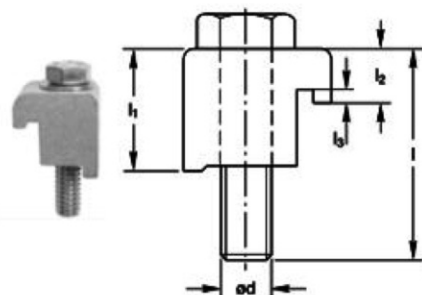
DN	KF	10	16	25	40	50	63	80	100	160	200	250
L	mm	50~3000										
DN	KF	320	400	500	630							
L	mm	100~3000										

Abraçadeira de Garra Dupla



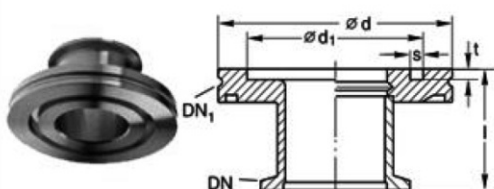
DN	ISO-K	63/250	320/500	630
M	thread	M10	M12	M12
L	mm	60	78	88
l1	mm	17~27	27~39	31~49

Abraçadeira de Garra Simples



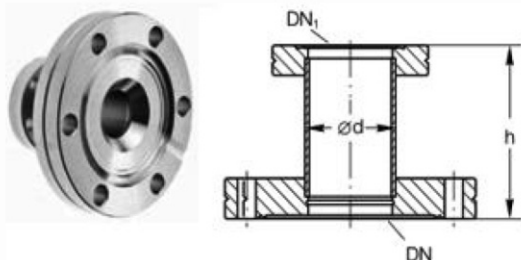
DN	ISO-K	63/100	160/250	320/500
d	thread	M8	M10	M12
L	mm	35	35	50
l1	mm	22.5	23	36.5
l2	mm	8.6	9.1	15.9
l3	mm	2.5	2.5	2.5

Adaptadores / Redutores ISO-KF



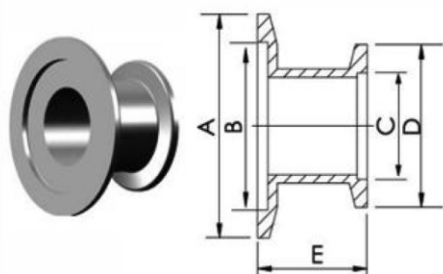
DN	ISO-KF	40	50	40
DN1	ISO-K	63	63	100
d	mm	95	95	130
d1	mm	70	70	102
L	mm	40	45	40
s	mm	5	5	5
t	mm	4.5	4.5	4.5

Flange para Redução CF



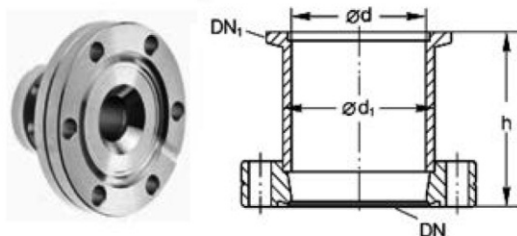
DN	CF	40	63	100	100	160
DN ₁	CF	16	40	40	63	100
h	mm	45	75	75	95	105
d	mm	18	40	40	70	108

Flange para Redução KF



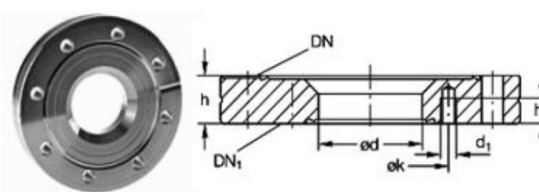
DN	KF	16	16	16	25	25	40	50
DN ₁	KF	25	40	50	40	50	50	80
A	mm	40	55	75	55	75	75	114
B	mm	26.2	41.2	52.2	41.2	52.2	52.2	83.00
C	mm	17.2	17.2	17.2	26.2	26.2	41.2	52.2
D	mm	30	30	30	40	40	55	75
E	mm	35	35	35	35	35	35	55

Adaptador CF/ISO-KF



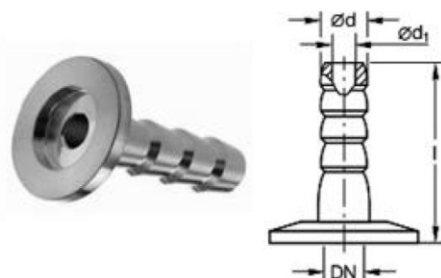
DN	CF	16	16	40	40	40	63
DN ₁	ISO-KF	16	25	16	25	40	40
d	mm	16	16	16	26	37	41
h	mm	35	35	30	30	50	35
d ₁	mm	20	20	20	30	41	45

Flange para Redução CF



DN	CF	40	63	100	100	160	160
DN ₁	CF	16	40	40	63	40	100
k	mm	27	58.7	58.7	92.2	58.7	130
h	mm	13	17.5	20	20	22	22
h ₁	mm	5.5	9.0	9.0	11.0	9.0	11.0
d	mm	16	39	39	66	39	104
d ₁	mm	M4	M6	M6	M8	M6	M8

Terminal de Mangueira com Flange ISO-KF



DN	ISO-KF	16	25	40
d	mm	12	12	12
d ₁	mm	7	7	7
l	mm	40	40	40



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