

VACUUM FITTING & COMPONENTS



A comprehensive range of NW/KF and ISO vacuum flanges, adaptors, reducers, weld stubs, flexible pipelines, O rings, clamps, etc, with dimensional drawings

VACUUM FITTINGS & COMPONENTS

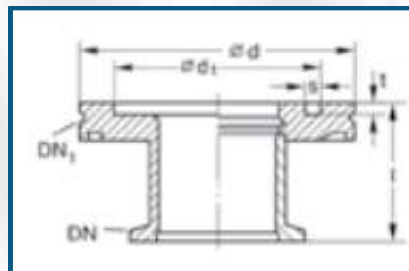
Nxtek supply own-range KF (NW), ISO and CF vacuum fittings, often available from stock.

As manufacturers of High Vacuum Systems and LyoDry Freeze Dryers, we understand the need for top quality and a fast turnaround. We maintain extensive stocks of NW and ISO Adaptors, T-pieces, Blank Flanges, Weld Stubs, Nozzles, Reducers, Elbows, Flexible Pipelines, Clamps, O rings and centring rings.

Unsure which vacuum components you need? Our experienced sales team will be pleased to help. We can cross-reference most major manufacturers' part numbers too. We also supply and service vacuum pumps. We receive excellent feedback!

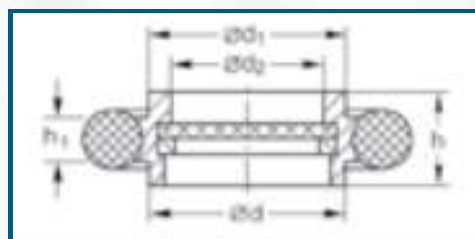
For any further information, a quotation or to place an order, please contact us: Info@nxtek.co.in / +91 9023731215

Adaptors/Reducers ISO-KF-ISO-K



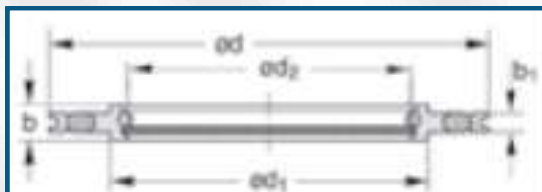
Technical Data				
DN	ISO-KF	40	50	40
DN1	ISO-k	63	63	100
d	mm(in.)	95(3.74)	95(3.74)	130(5.12)
d1	mm(in)	70(2.76)	70(2.76)	102(4.02)
l	mm(in)	40(1.57)	45(1.77)	40(1.57)
s	mm(in.)	5(0.2)	5(0.2)	5(0.2)
t	mm(in.)	4.5(0.18)	4.5(0.18)	4.5(0.18)
Weight	Kg(lbs)	0.5(1.10)	0.6(1.32)	0.8(1.77)

Centering Rings With Fine Filter and O-Ring



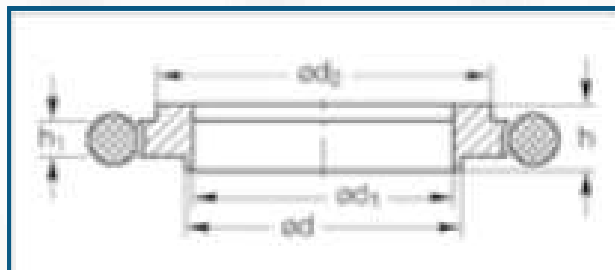
Technical Data						
DN	ISO-KF	10	16	25	40	50
d	mm(in.)	12(0.47)	17(0.67)	26(1.02)	41(1.61)	52(2.05)
d1	mm(in.)	12(0.47)	17(0.67)	26(1.02)	41(1.61)	52(2.05)
d2	mm(in.)	9(0.35)	13(0.51)	22(0.87)	35.5(1.4)	46(1.81)
h	mm(in.)	8(0.31)	8(0.31)	8(0.31)	8(0.31)	8(0.31)
h1	mm(in.)	3.9(0.15)	3.9(0.15)	3.9(0.15)	3.9(0.15)	3.9(0.15)

Centering Rings With Fine Filter and O-Ring



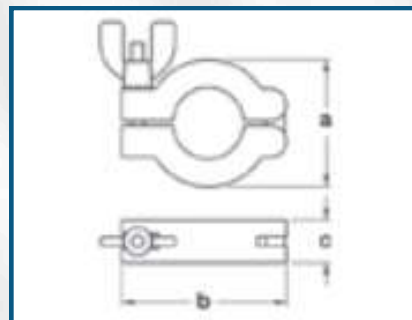
Technical Data			
DN	ISO-KF	63	100
b	mm(in.)	8(0.31)	8(0.31)
b1	mm(in.)	4(0.16)	4(0.16)
d	mm(in.)	96(3.78)	128(5.04)
d1	mm(in.)	70(2.76)	102(4.02)
d2	mm(in.)	62(2.44)	94(3.7)

Centering Rings Adaptors with O-Ring



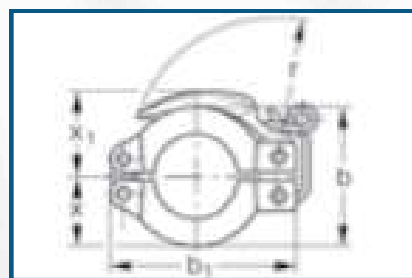
Technical Data				
DN	ISO-KF	10/16	20/25	32/40
d	mm(in.)	12(0.47)	22(0.87)	34(1.34)
d1	mm(in.)	10(0.40)	20(0.79)	32(1.26)
d2	mm(in.)	17(0.67)	26(1.02)	41(1.61)
h	mm(in.)	8(0.31)	-	8(0.31)
h1	mm(in.)	3.9(0.15)	3.9(0.15)	3.9(0.15)

Clamping Ring ISO - KF



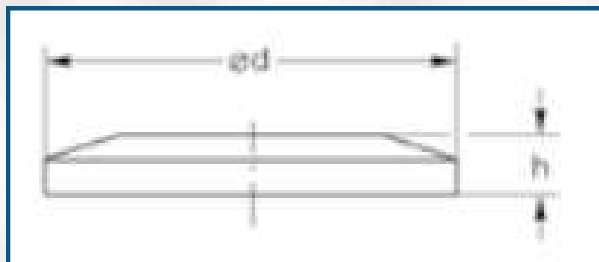
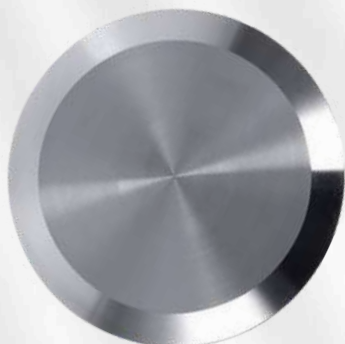
Technical Data					
DN	ISO-KF	10/16	20/25	32/40	50
a	mm(in.)	45(1.77)	55(2.17)	70(2.76)	92(3.62)
b	mm(in.)	63(2.48)	72(2.83)	90(3.54)	113(4.45)
c	mm(in.)	16(0.63)	16(0.63)	16(0.63)	20(0.79)

Quick Clamping Ring ISO - KF



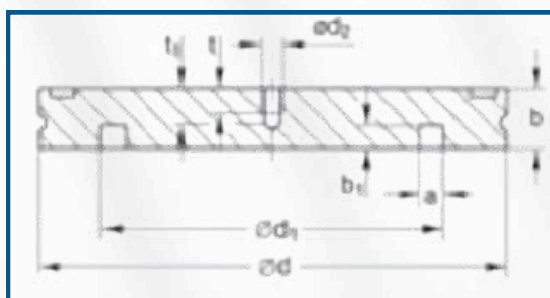
Technical Data				
DN	ISO-KF	10/16	20/25	32/40
b	mm(in.)	45(1.77)	55(2.17)	70(2.76)
b1	mm(in.)	61(2.40)	72(2.83)	90(3.54)
r	mm(in.)	48(1.89)	56(2.20)	74(2.91)
x	mm(in.)	22(0.87)	27(1.06)	35(1.38)
x1	mm(in.)	30(1.18)	34(1.34)	44(1.73)

Blank Flanges



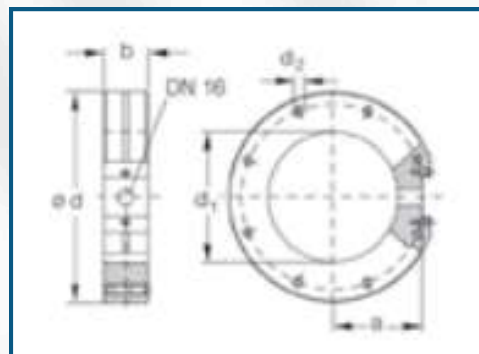
Technical Data						
DN	ISO-KF	10	16	25	40	40
d	mm(in.)	30(1.18)	30(1.18)	40(1.57)	55(2.17)	75(2.95)
h	mm(in.)	5(0.20)	5(0.20)	5(0.20)	5(0.20)	6(0.24)

Blank Flanges(Stainless Steel 1.4301)



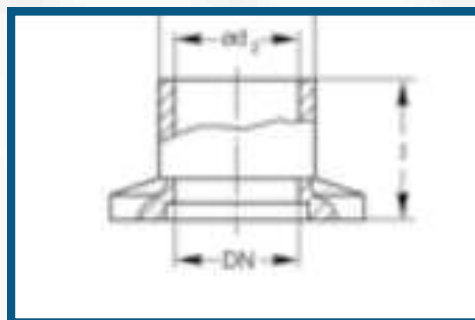
Technical Data										
DN	ISO-KF	63	100	160	200	250	320	400	500	630
a	mm(in.)	5(0.20)	5(0.20)	5(0.20)	5(0.20)	5(0.20)	5(0.20)	5(0.20)	5(0.20)	5(0.20)
b	mm(in.)	12(0.47)	12(0.47)	12(0.47)	12(0.47)	12(0.47)	17(0.67)	17(0.67)	17(0.67)	22(0.87)
b1	mm(in.)	4.5(0.18)	4.5(0.18)	4.5(0.18)	4.5(0.18)	4.5(0.18)	6.5(0.26)	6.5(0.26)	6.5(0.26)	6.5(0.26)
d	mm(in.)	95(3.74)	130(5.12)	180(7.09)	240(9.45)	290(11.42)	370(14.57)	450(17.52)	550(21.65)	690(27.17)
d1	mm(in.)	70(2.76)	102(4.02)	153(6.02)	213(8.39)	261(10.28)	318(12.52)	400(15.75)	501(19.72)	651(25.63)
d2	thread	-	-	-	-	-	-	-	M8	M8
t	mm(in.)	8(0.31)	8(0.31)	8(0.31)	8(0.31)	8(0.31)	8(0.31)	8(0.31)	8(0.31)	8(0.31)
t1	mm(in.)	12.(047)	12.(047)	12.(047)	12.(047)	12.(047)	12.(047)	12.(047)	12.(047)	12.(047)

Clamping Collars for Ultra Sealing Ring



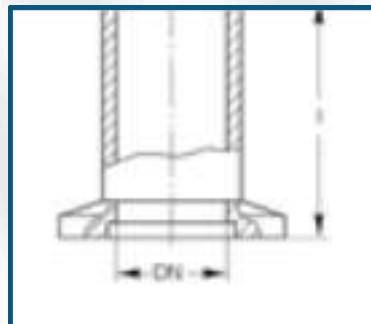
Technical Data					
DN	ISO-KF	10/16	20/25	32/40	50
D	mm(in.)	52(2.05)	75(2.95)	90(3.54)	115(4.52)
h	mm(in.)	18(0.71)	20(0.79)	23(0.90)	28(1.10)
Hexagin socket screw to Din 912	mm(in.)	M4*30 (M4*1.18)	M6*30 (M6*1.18)	M8*35 (M8*1.38)	M8*50 (M8*1.97)

ISO-KF Flanges With Short Tubulation



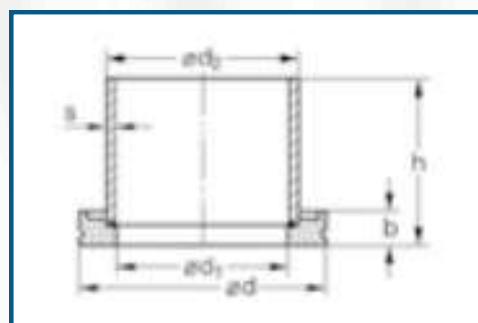
Technical Data					
DN	ISO-KF	10	25	40	50
d1	mm(in.)	16/16 (0.63/0.63)	30/30 (1.18/1.18)	45/45 (1.77/1.77)	55/54 (2.17/2.13)
d2	mm(in.)	12/12 (0.47/0.47)	26/26 (1.02/1.02)	41/41 (1.61/1.61)	51/50 (2.01/1.97)
l	mm(in.)	20 (0.79)	20 (0.79)	20 (0.79)	20 (0.79)

ISO-KF Flanges With Long Tubulation



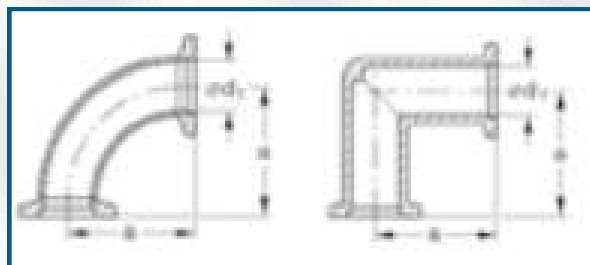
Technical Data					
DN	ISO-KF	10	25	40	50
d1	mm(in.)	16/16 (0.63/0.63)	30/30 (1.18/1.18)	45/45 (1.77/1.77)	55/54 (2.17/2.13)
d2	mm(in.)	12/12 (0.47/0.47)	26/26 (1.02/1.02)	41/41 (1.61/1.61)	51/50 (2.01/1.97)
l	mm(in.)	20 (0.79)	20 (0.79)	20(0.79)	20 (0.79)

Clamp Flanges with Tubulation



Technical Data										
DN	ISO-KF	63	100	160	200	250	320	400	500	630
d	mm(in.)	95 (3.74)	130 (5.12)	180 (7.09)	240 (9.45)	290 (11.42)	370 (14.57)	450 (17.72)	550 (21.56)	690 (27.17)
d1	mm(in.)	70 (2.76)	102 (4.02)	153 (6.02)	213 (8.39)	261 (10.28)	318 (12.52)	400 (15.75)	501 (19.72)	651 (25.63)
d2	mm(in.)	76.1 (3.00)	108 (4.25)	159 (6.26)	219.1(8.63)	267(10.51)	324(12.76)	406(15.98)	508(20.00)	660(25.98)
h	mm(in.)	100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)
s (steel)	mm(in.)	2.9 (0.11)	2.9 (0.09)	2.9 (0.09)	2.9 (0.09)	-	3 (0.12)	3 (0.12)	3 (0.12)	5(0.20)
s (stainless steel)	mm(in.)	2.3 (0.09)	2.3 (0.09)	2.3 (0.09)	3(0.12)	3(0.12)	3(0.12)	3(0.12)	4(0.16)	5(0.20)
b	mm(in.)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)	17 (0.67)	17 (0.67)	17 (0.67)	22 (0.87)

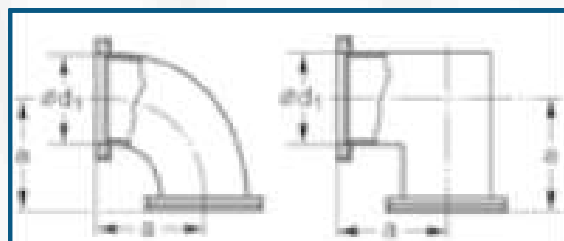
Pipe Bend 90 / Mitred Elbow 90



Technical Data

DN	ISO-KF	16	16	25	25	40	40	50
a	mm(in.)	40 (1.57)	40 (1.57)	50 (1.97)	50 (1.97)	65 (2.56)	65 (2.56)	70 (2.76)
d1	mm(in.)	16 (0.63)	15 (0.59)	25 (0.98)	25 (0.98)	41 (1.62)	41(1.62)	49 (1.93)
Conductance	l/s	6.5	-	18.9	-	56.5	-	-

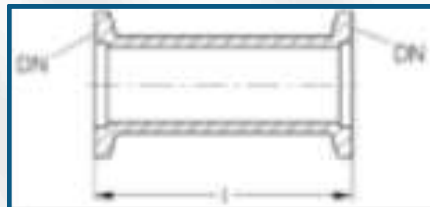
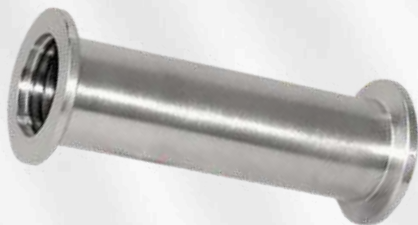
Pipe Bend 90 / Mitred Elbow 90



Technical Data

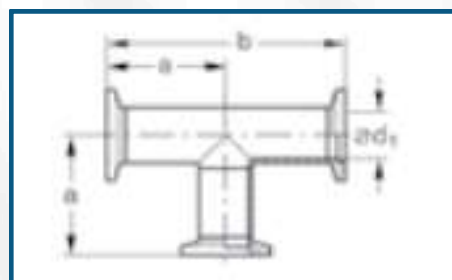
DN	ISO-KF	63	100	160	250
a	mm(in.)	88 (3.46)	108 (4.25)	138 (5.43)	208 (8.19)
d1	mm(in.)	70 (2.76)	102 (4.02)	153 (6.02)	261 (10.28)
Weight	Kg (lbs.)	1.1 (2.43)	2.2 (4.8)	5.9 (13.02)	9.9 (21.85)
Conductance	l/s	208	470	1200	3700

Intermediate Pieces



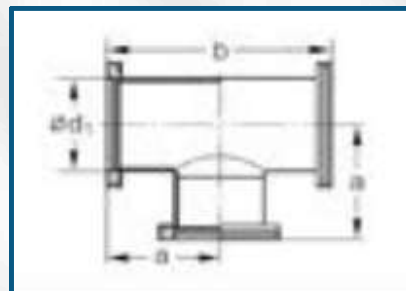
Technical Data				
DN	ISO-KF	16	25	40
l	mm(in.)	80 (3.15)	100 (3.94)	130 (5.12)

Tees



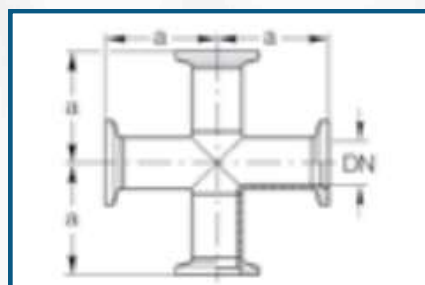
Technical Data								
DN	ISO-KF	16	16	25	25	40	40	50
a	mm(in.)	40 (1.57)	40 (1.57)	50 (1.97)	50 (1.97)	65 (2.56)	65 (2.56)	70 (2.76)
b	mm(in.)	80 (3.15)	80 (3.15)	100 (3.94)	100 (5.12)	130 (5.12)	130 (5.12)	140 (5.51)
d1(Aluminium)	mm(in.)	6 (0.63)	-	25 (0.98)	-	39 (1.54)	-	-
d1(Stainless steel)	mm(in.)	-	16 (0.63)	-	25 (0.98)	-	41 (1.61)	53 (2.09)
Conductance	l/s	6.5	-	18.9	-	56.5	-	-

Tees (Stainless Steel 1.4301)



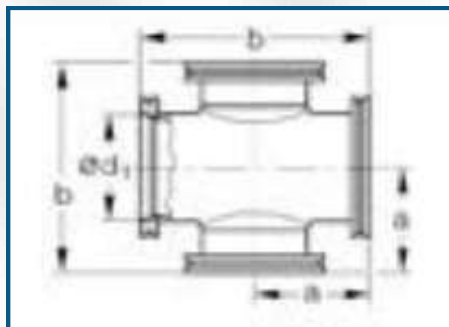
Technical Data					
DN	ISO-K	36	100	160	250
a	mm(in.)	88 (3.46)	108 (4.25)	138 (5.43)	208 (8.19)
b	mm(in.)	176 (6.93)	216 (8.50)	276 (10.87)	416 (16.38)
d2	mm(in.)	70 (2.76)	102 (4.02)	153 (6.02)	261 (10.28)
Weight	Kg	1.6 (3.53)	3.2 (7.06)	7.6 (16.78)	8.1 (17.88)

4-Way Crosses



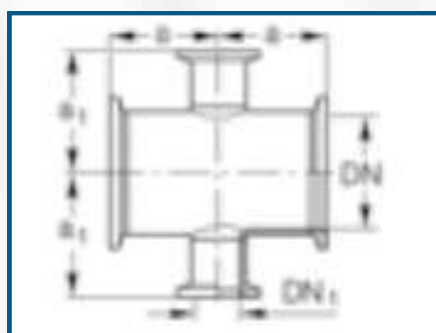
Technical Data								
DN	ISO-KF	16	16	25	25	40	40	50
a	mm(in.)	40 (1.57)	40 (1.57)	50 (1.97)	50 (1.97)	65 (2.56)	65 (2.56)	70 (2.76)
Conductance	l/s	6.5	-	18.9	-	56.5	-	-

4-Way Crosses (Stainless Steel 1.4301)



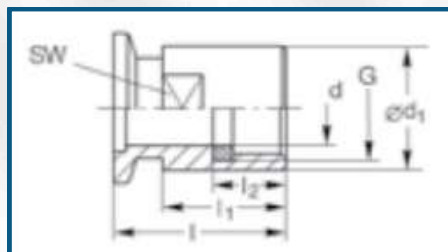
Technical Data					
DN	ISO-K	63	100	160	250
a	mm(in.)	88 (3.46)	108 (4.25)	138 (5.43)	208 (8.19)
b	mm(in.)	176 (6.93)	216 (8.50)	276 (10.87)	416 (16.36)
d1	mm(in.)	70 (2.76)	102 (4.02)	153 (6.02)	261 (10.28)

4-Way Reducer Crosses with Lateral DN 16 Flanges



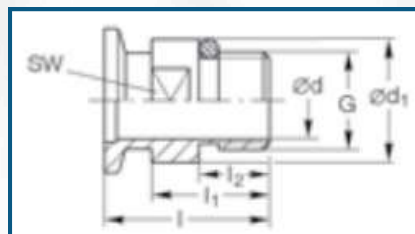
Technical Data				
DN	ISO-KF	25/16	40/16	50/16
a	mm(in)	35 (1.38)	40 (1.57)	50 (1.97)
a1	mm(in)	35 (1.38)	45 (1.77)	50 (1.97)

Screw-on Flanges



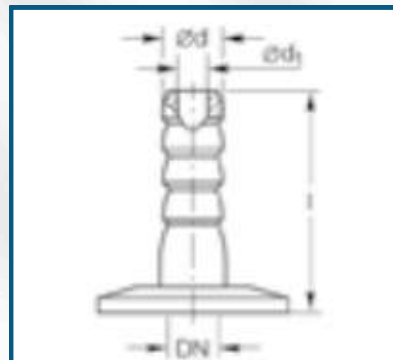
Technical Data					
DN	ISO-KF	10	16	25	40
l	mm(in)	35 (1.34)	35 (1.34)	45 (1.77)	50 (1.97)
l1	mm(in)	25 (0.98)	25 (0.98)	35 (1.34)	40 (1.57)
l2	mm(in)	15 (0.59)	15 (0.59)	25 (0.98)	30 (1.18)
d	mm(in)	10 (0.39)	15 (0.59)	24 (0.94)	38 (1.50)
d1	mm(in)	20 (0.79)	25 (0.98)	39 (1.54)	54 (2.13)
G (according to DIN ISO 228-1)	-	G 3/8	G 1/2	G 1	G 1 1/2
SW (width across flats)	mm(in)	17 (0.67)	21 (0.83)	36 (1.42)	50 (1.97)

Screw-in Flanges



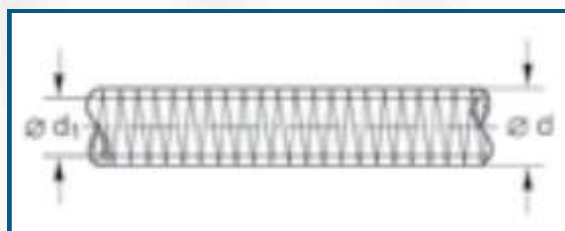
Technical Data							
DN	ISO-K	10	16	16	16	25	40
l	mm(in.)	35 (1.34)	26 (1.02)	35 (1.34)	42 (1.65)	45 (1.77)	50 (1.97)
l1	mm(in.)	25 (0.98)	-	25 (0.98)	-	35 (1.34)	40 (1.57)
l2	mm(in.)	15 (0.59)	8 (0.31)	15 (0.59)	11.5 (0.45)	25 (0.98)	30 (1.18)
d	mm(in.)	12 (0.47)	5 (0.20)	16 (0.63)	10.5 (0.20)	25 (0.98)	41 (1.61)
d1	mm(in.)	22 (0.87)	16 (0.63)	26 (1.02)	-	39 (1.54)	54 (2.13)
M	mm(in.)	-	-	-	M 16 * 1,5 (M 16 * 0.06)	-	-
G(according to DIN ISO 228-1)	mm(in.)	G 3/8	G 1/8	G 1/2	-	G 1	G 1 1/2
SW(width across flats)	mm(in.)	19 (0.75)	13 (0.51)	22 (0.67)	17 (0.67)	36 (1.42)	50 (1.97)

ISO-KF Flanges with Hose Nozzles



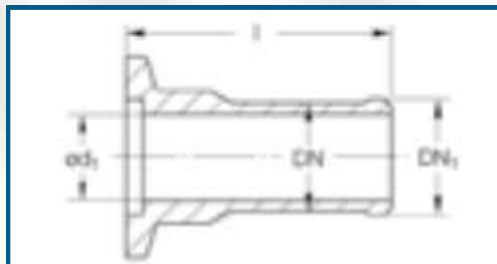
Technical Data				
DN	ISO-KF	16	25	40
d	mm(in.)	12 (0.47)	12 (0.47)	12 (0.47)
d1	mm(in.)	7 (0.26)	7 (0.26)	7 (0.26)
l	mm(in.)	40 (1.57)	40 (1.57)	40 (1.57)

PVC Coiled Vacuum Hoses without Flanges



Technical Data				
DN	ISO-KF	16	25	40
d	mm(in.)	23 (0.91)	33 (1.30)	53 (2.09)
d1	mm(in.)	16 (0.63)	25 (0.98)	40 (1.57)
Length	m(in.)	by the metre	by the metre	by the metre

ISO-KF Flanges with Hose Nozzles



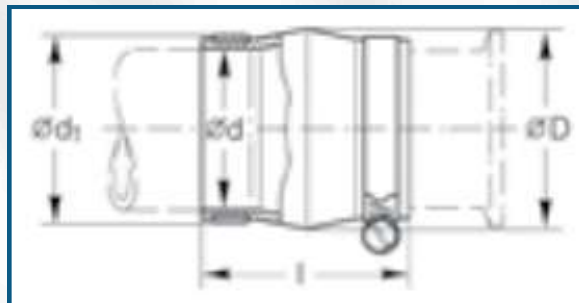
Technical Data				
DN	ISO-KF	16	25	40
DN1 (Tube)	mm (in.)	17 (0.67)	26 (1.02)	41 (1.61)
d1	mm (in.)	13 (0.51)	22 (0.87)	37 (1.47)
l	mm (in.)	40 (1.57)	40 (1.57)	40 (1.57)

Rubber Vacuum Hoses (NR) for House Nozzles



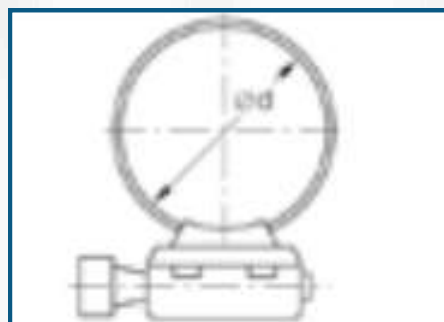
Technical Data				
DN	ISO-KF	10	16	20
d	CF	17 (0.66)	25 (0.98)	32 (1.26)
d1	mm (in)	7 (0.28)	10 (0.39)	16 (0.63)
length	mm (in)	by the metre	by the metre	by the metre
Hardness - Shore A-		55 + 5	55 + 5	55 + 5
Temperature range	mm (in)	-30 to +85 (-22 to +185)	-30 to +85 (-22 to +185)	-30 to +85 (-22 to +185)

CR Compensation Elements With Integrated Support Ring



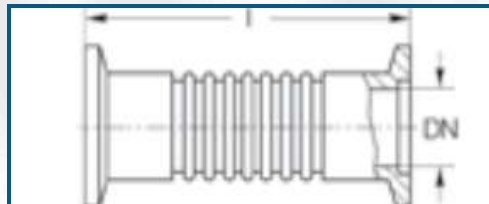
OTechnical Data				
DN	ISO-KF	16	25	40
D	mm(in.)	44 (1.73)	50 (1.97)	68 (2.68)
d (Tube tolerance)	mm(in.)	16 (0.63)	25 (0.98)	40 (1.57)
d1	mm(in.)	24 (0.94)	33 (1.30)	48 (1.98)
l	mm(in.)	58 (2.28)	60 (2.36)	64 (2.52)
Leak rate	mbar x l x s-1	< 1 * 10 ⁻⁵	< 1 * 10 ⁻⁵	< 1 * 10 ⁻⁵

Hose Clamps



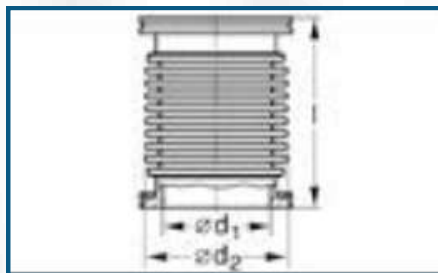
Technical Data				
DN	ISO-KF	16	25	40
d(min/max)	mm	13/32 (0.51 / 1.26)	19/44 (0.75 / 1.73)	20/76 (1.14 / 2.99)

Bellows With Flanges



Technical Data

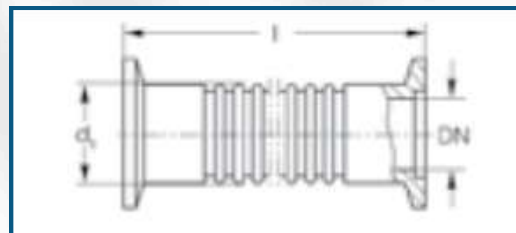
DN	ISO-KF	16	25	40	40
l	mm (in)	70 (2.76)	80 (3.15)	100 (3.94)	100 (3.94)
wall thickness	mm (in)	0.13 (0.005)	0.13 (0.005)	0.15 (0.006)	0.2 (0.008)
compression	mm (in)	6.5 (0.26)	8 (0.31)	11 (0.43)	10 (0.39)
Tension	mm (in)	4 (0.16)	5 (0.20)	7 (0.28)	6 (0.24)
max. angle	degrees	+ 21	+17	+15	+15
Lateral motion	mm (in)	+4 (+0.16)	+3,5(+0.14)	+7(0.28)	+8 (+0.31)



Technical Data

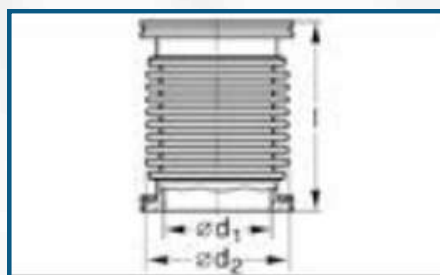
DN	ISO-KF	63	100	160	250
d	mm (in)	66 (2.60)	95 (3.74)	153 (6.02)	261 (10.78)
d1	mm (in)	83.7 (3.30)	120 (4.72)	186 (7.32)	305 (12.01)
l	mm (in)	132 (5.20)	132 (5.20)	132 (5.20)	200 (7.87)
Weight	Kg (lbs)	1.0 (2.21)	3.9 (8.61)	6.2 (13.69)	9.3 (20.53)
compression	mm (in.)	20 (0.79)	28 (1.10)	22 (0.87)	30 (1.18)
Tension	mm (in)	20 (0.79)	28 (1.10)	22 (0.87)	30 (1.18)
Max.bending angle	degrees	+ 30	+30	+14	+13
Lateral displacement	mm (in)	7.5 (0.28)	9.0 (0.35)	3.5 (0.14)	4.5 (0.18)

Vacuum Hoses with Flanges



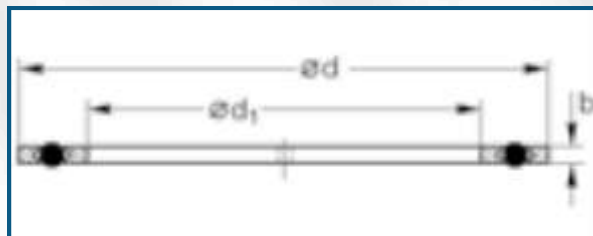
Technical Data					
DN	ISO-KF	16	25	40	40
d1	mm(in)	22.8 (0.90)	33 (1.30)	52 (2.05)	63 (2.48)
Max bending radius (inside) with single bend					
	mm(in)	68.5 (2.70)	103 (4.06)	129 (5.08)	198 (7.80)
with single bend	mm(in)	50 (1.97)	63 (2.48)	100 (3.94)	130 (5.12)
wall thickness	mm(in)	0.2 (0.008)	0.2 (0.008)	0.2 (0.008)	0.2 (0.012)

Flexible Vacuum Hoses with Flanges



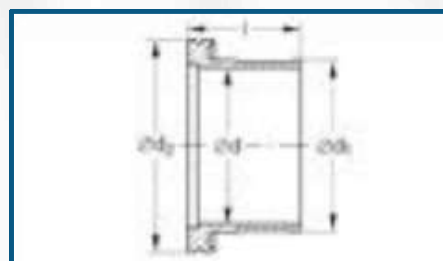
Technical Data									
DN	ISO-KF	63	63	63	63	100	100	100	100
d1	mm (in)	70 (2.76)	70 (2.76)	70 (2.76)	70 (2.76)	102 (4.02)	102 (4.02)	102 (4.02)	102 (4.02)
l	mm (in)	250 (9.84)	500 (19.6)	750 (29.53)	1000 (39.37)	250 (9.48)	500 (19.69)	750 (29.53)	1000 (39.37)
Max bending radius with multiple bending	mm (in)	250 (9.84)	250 (9.84)	250 (9.84)	250 (9.84)	370 (14.57)	370 (14.57)	370 (14.57)	370 (14.57)
with single bend	mm (in)	160 (8.30)	160 (8.30)	160 (8.30)	160 (8.30)	160 (9.45)	160 (9.45)	160 (9.45)	160 (9.45)

Welding Flanges



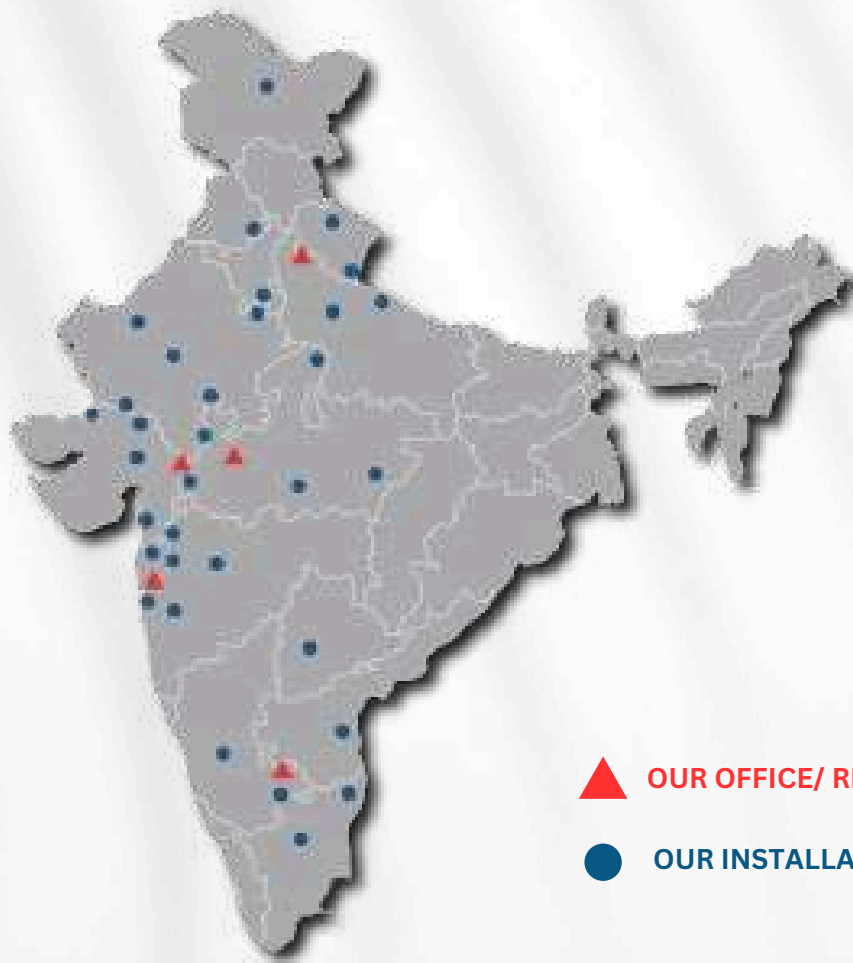
Technical Data						
DN	ISO-KF	63	100	160	200	250
b	mm (in)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
b1	mm (in)	6 (0.24)	6 (0.24)	6 (0.24)	6 (0.24)	6 (0.24)
d	mm (in)	95 (3.74)	130 (5.12)	180 (7.09)	240 (9.45)	290 (11.42)
d1	mm (in)	70 (2.76)	102 (4.02)	153 (6.02)	213 (8.39)	261 (10.28)
d2	mm (in.)	76.6 (3.02)	108.7 (4.28)	159.8 (6.29)	219.8 (8.65)	267.8 (10.54)

Flexible Compensation Elements



Technical Data				
DN	ISO-KF	63	100	160
d	mm (in)	70 (2.6)	102 (4.02)	150 (5.91)
d1	mm (in)	76 (2.99)	107 (4.21)	156 (6.14)
d2	mm (in)	95 (3.74)	130 (5.12)	180 (7.09)
l	mm (in)	51 (2.01)	56 (2.20)	56 (2.20)

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