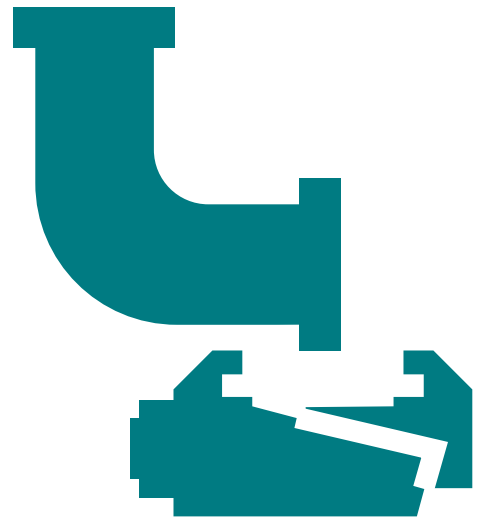




E



VACUUM ISO COMPONENTS

- Elbows, Tees and Crosses E 13

There are four different configurations to fit together ISO flanges.

Figure 1 illustrates the double claw-clamp assembly which is the most commonly used configuration.

Figure 2 shows the wall clamp assembly where a claw-clamp flange is mounted to a rotatable bolt ring. This assembly combines the claw-clamp flange and bolt flanges with nuts and bolts. The rotatable bolt ring and fixed bolted assembly is shown in figure 3. The rotatable bolt ring consists of a rotatable outer ring and a split retainer ring to hold the claw-clamp in place. Finally configuration 4 shows a bolted fixed flange and a tapped flange, or chamber wall for example.

All four configurations use an O-ring seal held in place by a centering ring. This is effective down to 10^{-7} mbar. With Viton O-ring assemblies bakeable to 200°C (sustained 150°C).

The ISO range of flanges and fittings are manufactured from high quality 316L (1.4404) Stainless Steel*.

All given dimensions are nominal in mm.

*304L (1.4306) available on request.



Figure 1



Figure 2



Figure 3

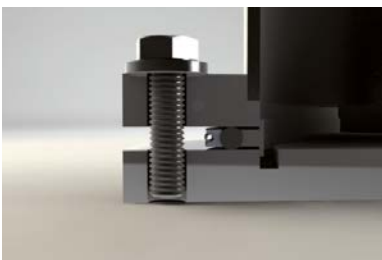


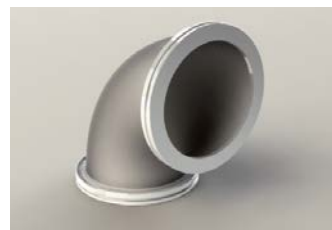
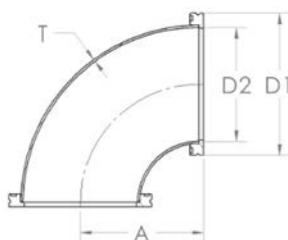
Figure 4

Elbows, Tees and Crosses

ISO K 90 DEGREE ELBOW - STAINLESS STEEL

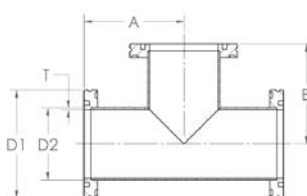
P/N	DN	A	D1	D2	T	ELBOW
ISO63E	63	88	95	70	2	R
ISO80E	80	98	110	70	2	R
ISO100E	100	108	130	108	2	R
ISO160E	160	138	180	159	3	M
ISO200E	200	178	240	219	3	M
ISO250E	250	208	290	267	3	M

R - Radius elbow
M - Mitred elbow



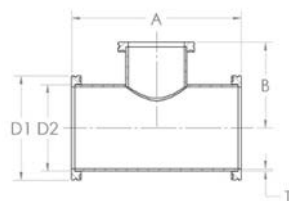
ISO K TEE - STAINLESS STEEL

P/N	DN	A	B	D1	D2	T
ISO63TE	63	88	88	95	76	3.0
ISO80TE	80	98	98	110	89	5.5
ISO100TE	100	108	108	130	108	3.0
ISO160TE	160	138	138	180	159	3.0
ISO200TE	200	178	178	240	219	3.0
ISO250TE	250	208	208	290	267	3.0



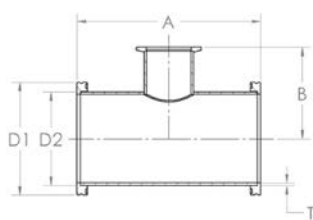
ISO K UNEQUAL TEE - STAINLESS STEEL

P/N	DN	A	B	D1	D2	T
ISO100TE63	100/63	216	107	130	108	3.0
ISO160TE63	160/63	276	130	180	159	3.0
ISO160TE100	160/100	276	131	180	159	3.0
ISO200TE63	200/63	276	160	240	219	3.0
ISO200TE100	200/100	276	161	240	219	3.0
ISO200TE160	200/160	276	168	240	219	3.0



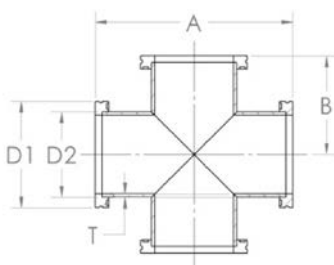
ISO K/KF UNEQUAL TEE - STAINLESS STEEL

P/N	DN ISO K/KF	A	B	D1	D2	T
ISO63TE16	63/16	204	58	95	76	3.0
ISO63TE25	63/25	204	79	95	76	3.0
ISO63TE40	63/40	204	76	95	76	3.0
ISO100TE25	100/25	260	98	130	108	3.0
ISO100TE40	100/40	260	95	130	108	3.0



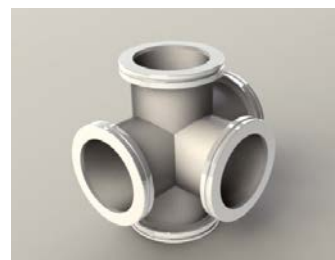
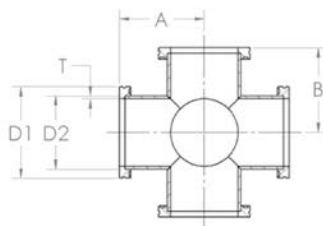
ISO K 4-WAY CROSS - STAINLESS STEEL

P/N	DN	A	B	D1	D2	T
ISO63X	63	176	88	95	76	3.0
ISO80X	80	196	98	110	89	5.5
ISO100X	100	216	108	130	108	3.0
ISO160X	160	276	138	180	159	3.0
ISO200X	200	356	178	240	219	3.0
ISO250X	250	416	208	290	267	3.0



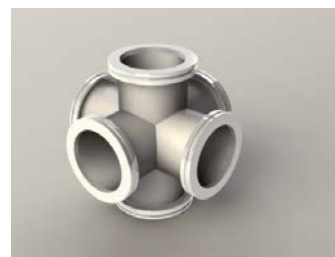
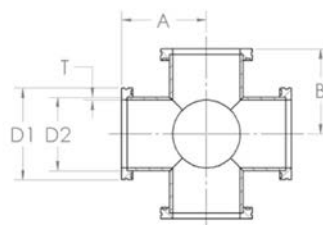
ISO K 5-WAY CROSS - STAINLESS STEEL

P/N	DN	A	B	D1	D2	T
ISO63FWX	63	88	88	95	76	3.0
ISO80FWX	80	98	98	110	89	5.5
ISO100FWX	100	108	108	130	108	3.0
ISO160FWX	160	138	138	180	159	3.0
ISO200FWX	200	178	178	240	219	3.0
ISO250FWX	250	208	208	290	267	3.0



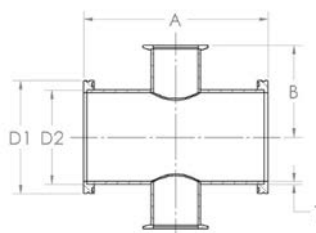
ISO K 6-WAY CROSS - STAINLESS STEEL

P/N	DN	A	B	D1	D2	T
ISO63XX	63	88	88	95	76	3.0
ISO80XX	80	98	98	110	89	5.5
ISO100XX	100	108	108	130	108	3.0
ISO160XX	160	138	138	180	159	3.0
ISO200XX	200	178	178	240	219	3.0
ISO250XX	250	208	208	290	267	3.0



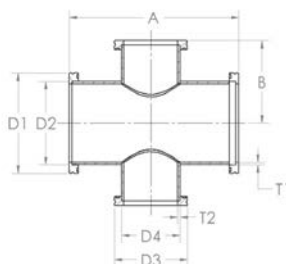
ISO K/KF REDUCING CROSS - STAINLESS STEEL

P/N	DN ISO K/F	A	B	D1	D2	T
ISO63X16	63/16	204	58	95	76	3.0
ISO63X25	63/25	204	79	95	76	3.0
ISO63X40	63/40	204	76	95	76	3.0
ISO63X50	63/50	204	92	95	76	3.0
ISO100X25	100/25	260	98	130	108	3.0
ISO100X40	100/40	260	95	130	108	3.0
ISO100X50	100/50	260	111	130	108	3.0
ISO160X40	160/40	320	121	130	159	3.0
ISO160X50	160/50	320	136	130	159	3.0



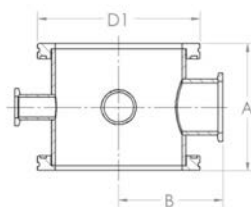
ISO K REDUCING CROSS - STAINLESS STEEL

P/N	DN	A	B	D1	D2	D3	D4	T1	T2
ISO100X63	100/63	216	107	130	108	95	76	3	3
ISO160X63	160/63	276	130	180	159	95	76	3	3
ISO160X100	160/100	276	131	180	159	130	108	3	3
ISO200X160	200/160	256	168	240	219	180	159	3	3



ISO K STRAIGHT CONNECTOR WITH KF LATERAL PORTS - STAINLESS STEEL

P/N	DN ISO K/KF	A	B (DN16)	D1 (DN40)	D1
ISO63SC4016K	63/40/16	88	60	80	95
ISO100SC4016K	100/40/16	108	75	75	130
ISO160SC4016K	160/40/16	138	100	100	180





neyco

30 avenue de la Paix
92170 VANVES - France
Tel: +33(0)1 41 90 50 50
Fax: +33(0)1 41 90 50 51

www.neyco.fr



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