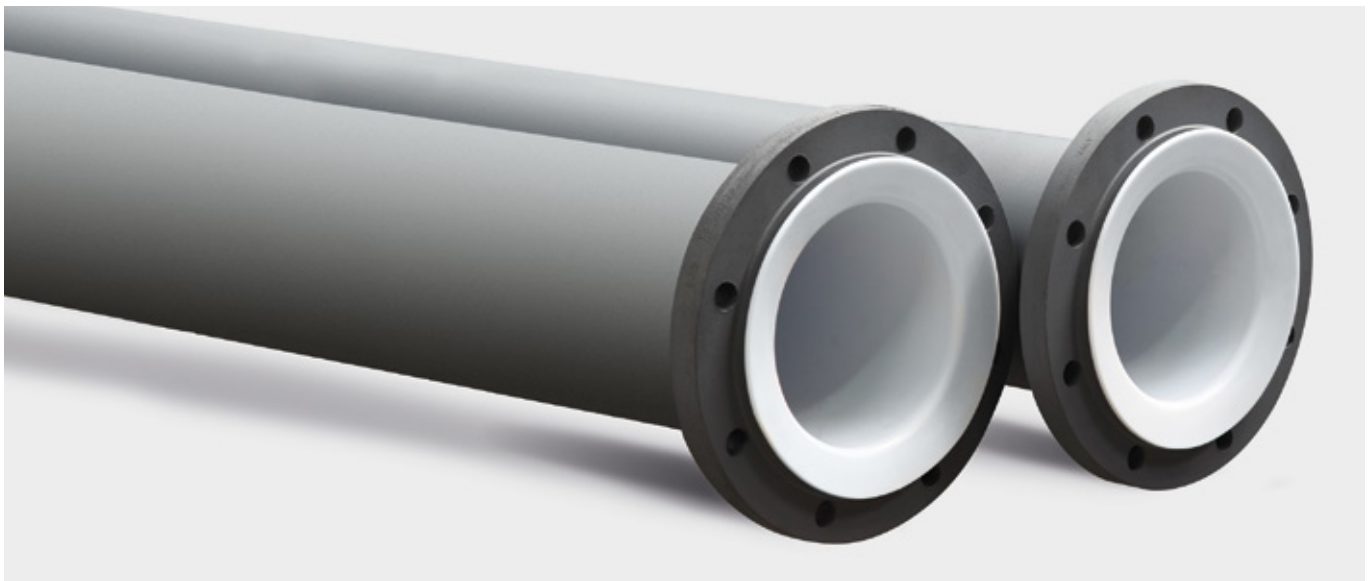


POLYFLURON® PTFE lined steel pipes and fittings ASME



Lined pipe classes

Based on over 60 years of experience with paste-extruded PTFE and more than 1000 reference customers, we supply a comprehensive range of POLYFLURON lined piping systems, mainly for the transport of corrosive media.

The following pages provide information on available products, dimensions and design options, as well as the materials used and permitted operating conditions.

This brochure deals exclusively with pipes & fittings up to a diameter of DN 600. Larger dimensions up to DN 3000 for columns and vessels are covered by a separate brochure, which is available on request.

We offer our lined piping products in two different liner thickness classes.

- **Standard**

Corrosion resistant and permeation reducing lining for aggressive media processed at moderate pressures and temperatures. This product series meets the standards of the chemical industry for paste extruded PTFE linings.

- **Heavy duty**

Suitable for long term operation with highly permeable media processed at high pressures and temperatures.

From our many years experience, we recommend the use of standardized pipe lengths. These reduce inventory costs and allow greater flexibility in assembly.

Our product range includes pipes of the following dimensions:

Nominal diameters: from 1" to 24"

Lengths: larger diameters available upon request
from 100 mm up to 6100 mm (20 ft.),
depending on the nominal diameter

Technical specifications

POLYFLURON PTFE is a virginal paste extruded PTFE exhibiting exceptional thermal, chemical, mechanical and electrical properties.

Exceptional properties

- Nearly universal chemical resistance and insolubility
- High operating temperatures up to 260 °C/500 °F
- Flexibility to – 79 °C
- High flexural fatigue resistance, nearly no material fatigue
- No aging by heat or UV radiation
- Exceptional electric insulator
- Very high purity (free of migrating additives or monomers), non-toxic
- Anti-adhesive surface, low coefficient of friction/wear, self-cleaning
- Excellent dimensional stability – no water absorption, no swelling
- Non-flammable

Pipes/Fittings

Material code

A 106 Gr. B

API 5L Gr. B

A 234 WPB

DIN EN 10213-2

Subject to technical changes.

The standards given below are ASME standards. If you require pipes and fittings according to DIN standards, please refer to our respective EN/DIN brochure.

Field of use

- Pressure load: 1" to 6" – up to 40 bar (PN 40);
8" to 24" – up to 25 bar (PN 25)
- Vacuum: Full vacuum [– 1 barg] for all dimensions up to 4" and 150 °C. Vacuum-resistant versions for larger dimensions and higher temperatures on request.
- Lining: Virginal paste-extruded PTFE) meeting DIN 2874.
- Temperatures: – 10 ° up to + 200 °C; [– 263 °K up to 473 °K]
lower service temperatures can be accommodated with the use of special steel materials.

Options

- Antistatic (electrically conductive) liner
- Stainless steel and low temperature steel
- Venting nozzles
- Grounding bolts and connections
- Custom shapes
- Special paint coatings

Stainless steel materials are available on request.

Flanges

Material code

A 105 (C21)

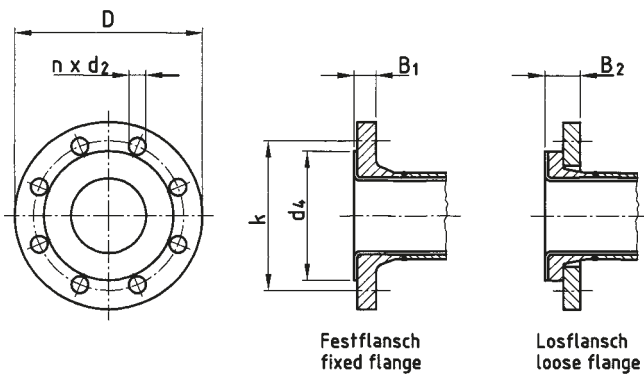
A 570 Gr. 36

A 515 Gr. 55

Subject to technical changes.

Pipe dimensions

The following table gives the standard wall thicknesses of steel pipes meeting ANSI B36.10.



Pipe dimensions

DN	Steel pipe	DN	Steel pipe
[mm]	Outside \varnothing x wall thickness [mm]	[mm]	Outside \varnothing x wall thickness [mm]
1"	33.4 x 3.4	8"	219.1 x 8.2
1 ¼"	42.2 x 3.6	10"	273 x 9.3
1 ½"	48.3 x 3.7	12"	323.9 x 9.5
2"	60.3 x 3.9	14"	355.6 x 9.5
2 ½"	73 x 5.5	16"	406.4 x 9.5
3"	88.9 x 5.5	18"	457.2 x 9.5
4"	114.3 x 6	20"	508 x 9.5
5"	141.3 x 6.6	24"	610 x 9.5
6"	168.3 x 7.1		

Subject to technical changes.

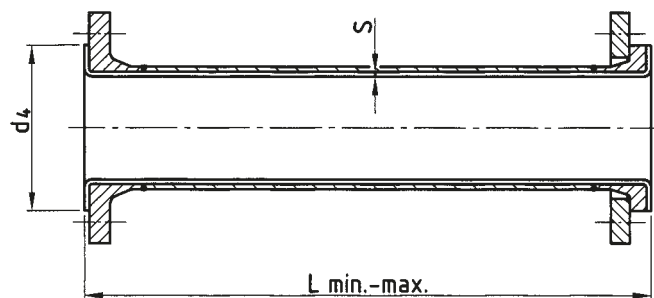
Flange dimensions

DN	Flange \varnothing	Seal. surface	Bolt circle \varnothing	Bolt holes		Flange thickness incl. collar	
[mm]	D [mm]	d4 [mm]	k [mm]	n x [Number]	d2 [mm]	B1 [mm]	B2 [mm]
1"	107.9	51	79.4	4	15.9	17	29
1 ¼"	117.5	64	88.9	4	15.9	19	31
1 ½"	127	73	98.4	4	15.9	21	33
2"	152.4	92	120.6	4	19	22	36
2 ½"	177.8	105	139.7	4	19	26	40
3"	190.5	127	152.4	4	19	27	43
4"	228.6	157	190.5	8	19	28	44
5"	254	186	215.9	8	22.2	28	46
6"	279.4	216	241.3	8	22.2	30	48
8"	342.9	270	298.4	8	22.2	34	54
10"	406.4	324	361.9	12	25.4	35	57
12"	482.6	381	431.8	12	25.4	37	59
14"	533.4	413	476.2	12	28.6	40	62
16"	596.9	470	539.7	16	28.6	42	66
18"	635	533	577.8	16	31.7	45	69
20"	698.5	584	635	20	31.7	48	74
24"	812.8	692	749.3	20	34.9	53	79

Subject to technical changes.

POLYFLURON® PTFE lined pipes

The standardized diameters and lengths of POLYFLURON PTFE lined steel pipes are given in ASME B 16.5 standard. We can supply all items listed in this standard. For larger diameters up to 120" (DN 3000), please refer to our separate brochure entitled "Columns and Vessels".



Lined pipes

DN	L min	L max	Lining wall thickness		PTFE Flange ø d4 [mm]	Weight fix/loose	
			Standard S [mm]	Heavy Duty S [mm]		Lined pipe [kg/m]	Flange [kg]
[mm]	[mm]	[mm]					
1"	100	6000	3		51	3	2.1
	100	6000		4	51		
1 ¼"	100	6000	3		64	4	2.8
	100	6000		4	64		
1 ½"	100	6000	3		73	4.9	3.3
	100	6000		4	73		
2"	100	6000	3		92	6.5	5.3
	100	6000		4	92		
2 ½"	100	6000	3.5		105	10	7.8
	100	6000		4	105		
3"	110	6000	3.5		127	13	9.3
	110	6000		4	127		
4"	110	6000	4.5		157	19	14
	110	6000		5	157		
5"	110	6000	4.5		186	25	17
	110	6000		5	186		
6"	120	6000	5		216	33	21
	120	6000		6	216		
8"	130	6000	5		270	49	34
	130	6000		8	270		
10"	130	6000	5		324	68	47
	130	6000		8	324		
12"	150	4000	5.5		381	86	71
	150	4000		8	381		
14"	150	3500	5.5		413	94	92
	150	2500		8	413		
16"	200	2500	5.5		470	109	113
	200	2500		8	470		
18"	200	2000	5.5		533	121	128
	200	2000		8	533		
20"	250	2000	6		584	136	159
	250	2000		8	584		
24"	250	1800	6		692	165	218
	250	1600		8	692		

Subject to technical changes.

POLYFLURON® PTFE lined elbows

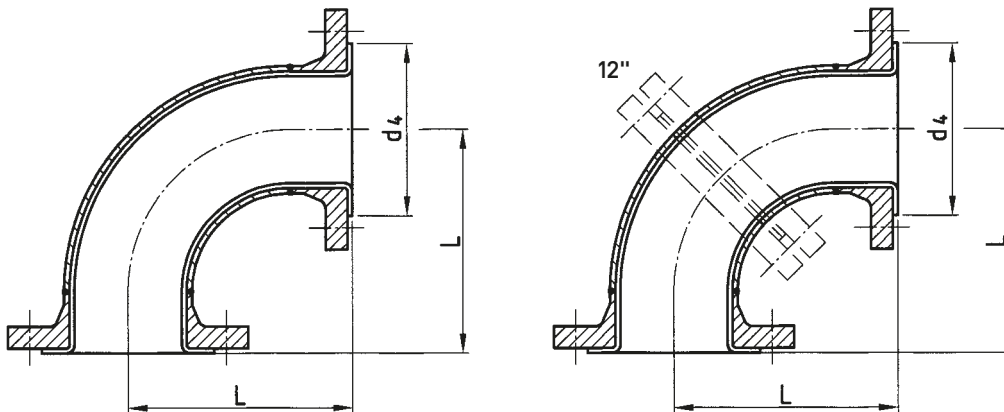
Elbows are manufactured with angles of 90°, 60°, 45° or 30°. Other angles are available on request. Please ask us for more information. 90° elbows are supplied with one fixed and one loose flange as standard. All 45° elbows come

with fixed flanges. Alternatives are available on request. Products up to 10" diam. are manufactured in one part. Items of 12" diam. or above come in two parts.

Lined elbows

DN [mm]	L		PTFE		Weight	
	90° elbow [mm]	45° elbow [mm]	S [mm]	d4 [mm]	90° elbow [approx. kg]	45° elbow [approx. kg]
1"	89	51*	3	51	2.5	2.4
1 ¼"	95	51	3	64	3.3	3
1 ½"	102	57	3	73	4.2	3.6
2"	114	64	3	92	6.4	5.4
2 ½"	127	76	3.5	105	8.8	7.9
3"	140	76	3.5	127	12	10
4"	165	102	4.5	157	17	15
5"	190	114	4.5	186	22	19
6"	203	127	5	216	31	22
8"	229	140	5	270	44	35
10"	279	165	5	324	65	61
12"	483	190	5.5	381	175	90
14"	546	190	5.5	413	239	99
16"	610	203	5.5	470	275	116
20"	737	241	6	584	448	167
24"	864	279	6	692	625	234

* not included in ANSI B 16.5. Subject to technical changes.



POLYFLURON® PTFE and PFA lined tees and lined reducing tees

T-pieces up to 4" diam. are available with either of two different linings. The POLYFLURON PTFE lined variant is supplied with a high performance flange connection of well-proven design [see drawing A].

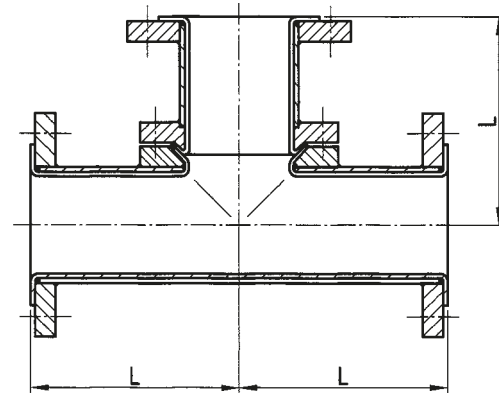
As an alternative, PFA-lined tees are available as shown on drawing B. PFA is a tetrafluorethylene-based copolymer with chemical and thermal properties comparable to those of PTFE. Fixed flanges are supplied as standard. Loose flanges are, however, also available on request.

Lined tees

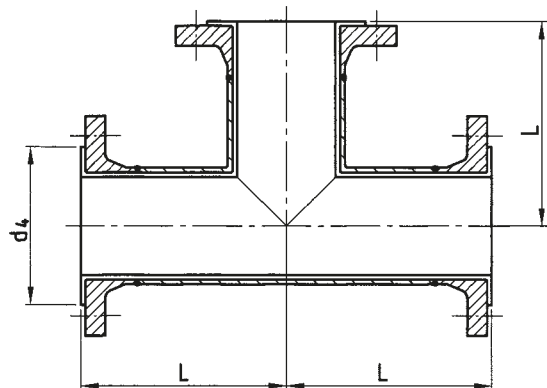
DN	L	Weight	
		PTFE [approx. kg]	PFA [approx. kg]
[mm]	[mm]		
1"	89		5
1 ¼"	95	7.5	6.5
1 ½"	102	11	8.5
2"	114	17	13
2 ½"	127	18	17.5
3"	140	26	28
4"	165	40	47
5"	190	45	
6"	203	63	
8"	229	107	
10"	279	153	
12"	305	215	
14"	356	294	
16"	381	360	
18"	419	455	
20"	457	570	

Subject to technical changes.

Steel pipe dimensions, lining wall thicknesses and flange diameters correspond to the standard dimensions.



↑ PTFE lined T-pieces (Drawing A)



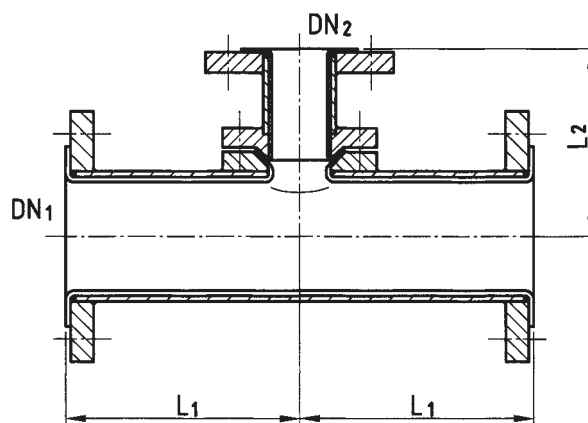
↑ PFA lined T-pieces (Drawing B)

Lined reducing tees

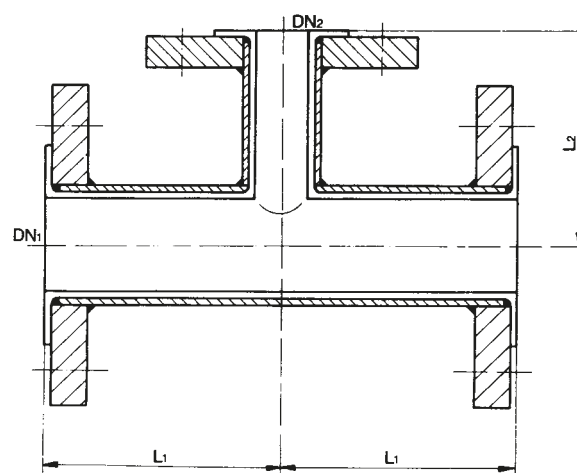
DN 1	DN 2	L 1	L 2	Weight	
				PTFE lining [approx. kg]	PFA lining [approx. kg]
[mm]	[mm]	[mm]	[mm]		
1 ¼"	1"	95	95	5.3	4.2
	1"	102	102	6.1	5.2
2"	1 ½"	114	114	9.7	8.7
	1"	114	114	7.9	8.4
2 ½"	2"	127	127	15	10.5
	1 ½"	127	127	14	9.5
3"	2"	140	140	18	19
	1 ½"	140	140	16	18
	1"	140	140	14	17
4"	3"	165	165	27	34
	2"	165	165	23	31
	1"	165	165	20	29
5"	4"	190	190	36	
	3"	190	190	32	
6"	4"	203	203	43	
	3"	203	203	39	
8"	6"	229	229	68	
	4"	229	229	61	
10"	8"	279	279	105	
	6"	279	279	94	
12"	10"	305	305	151	
	8"	305	305	137	
	6"	305	305	125	
14"	12"	356	356	201	
	10"	356	356	184	
	8"	356	356	171	
16"	14"	381	381	267	
	12"	381	381	244	
	10"	381	381	228	
18"	16"	419	419	310	
	14"	419	419	287	
	12"	419	419	263	
20"	16"	457	457	372	
	14"	457	457	347	
	12"	457	457	323	

Subject to technical changes.

All reducing tees are available with fixed flanges as standard. Loose flanges can also be supplied on request. PFA lined variants are also available up to 4" diam. Intermediate sizes and special dimensions are supplied on request. Dimensions meet ANSI B 16.5.



↑ PTFE lined reducing T-piece



↑ PFA lined reducing T-piece

POLYFLURON® PTFE and PFA lined crosses and lined reducing crosses

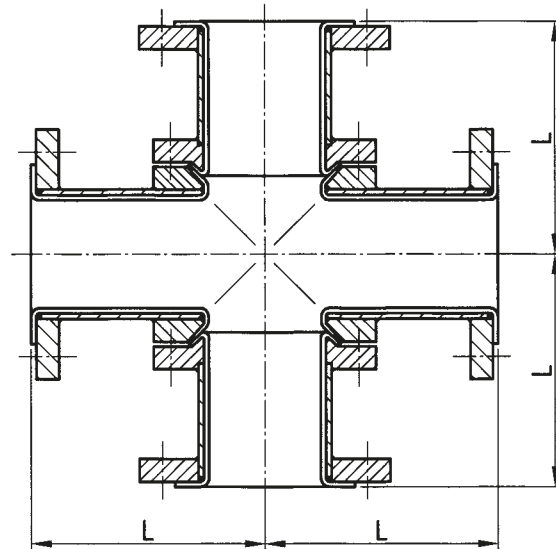
All crosses are available with fixed flanges as standard. Loose flanges can also be supplied on request. PFA lined variants are also available up to 4" diam. Dimensions meet ANSI B 16.5.

Lined crosses

DN	L	Weight	
		PTFE [approx. kg]	PFA [approx. kg]
[mm]	[mm]		
1"	89		5
1 ¼"	95	9	6.5
1 ½"	102	12	8.5
2"	114	18	13
2 ½"	127	26	17.5
3"	140	31	28
4"	165	45	47
5"	190	69	
6"	203	71	
8"	229	115	
10"	279	171	
12"	305	235	
14"	356	322	
16"	381	418	
18"	419	460	
20"	457	565	

Subject to technical changes.

Steel pipe dimensions, lining wall thicknesses and flange diameters correspond to the standard dimensions.



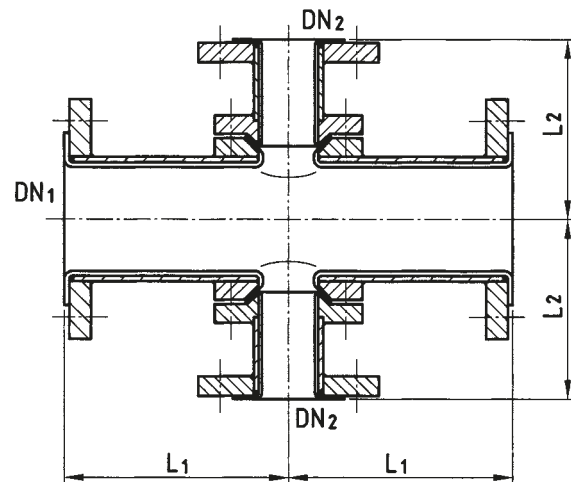
↑ PTFE lined cross

Lined reducing crosses

DN 1	DN 2	L 1	L 2	Weight	
[mm]	[mm]	[mm]	[mm]	PTFE [approx. kg]	PFA [approx. kg]
1 ¼"	1"	95	95	8.5	4.5
1 ½"	1"	102	102	9.3	5.2
2"	1 ½"	114	114	14	8.7
2 ½"	1"	114	114	11	8.4
	1 ½"	127	127	18	12
3"	1 ½"	127	127	16	11
	2"	140	140	22	19
4"	1 ½"	140	140	19	18
	1"	140	140	16	17
	3"	165	165	31	34
5"	2"	165	165	26	31
	1"	165	165	22	29
	4"	190	190	42	
6"	3"	190	190	33	
	4"	203	203	49	
8"	3"	203	203	43	
	6"	229	229	76	
	4"	229	229	62	
10"	8"	279	279	165	
	6"	279	279	108	
12"	10"	305	305	187	
	8"	305	305	165	
	6"	305	305	142	
14"	12"	356	356	259	
	10"	356	356	231	
	8"	356	365	212	
16"	14"	381	381	323	
	12"	381	381	288	
	10"	381	381	261	
18"	16"	419	419	415	
	14"	419	419	381	
	12"	419	419	347	
20"	16"	457	457	459	
	14"	457	457	417	
	12"	457	457	355	

Subject to technical changes.

All crosses are available with fixed flanges as standard. Loose flanges can also be supplied on request. Dimensions meet ANSI B 16.5.



↑ PTFE lined reducing cross

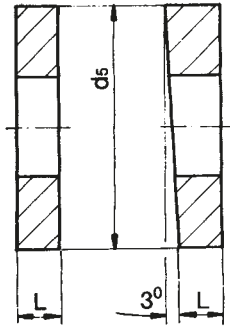
Steel pipe dimensions, lining wall thicknesses and flange diameters correspond to the standard dimensions.

POLYFLURON®

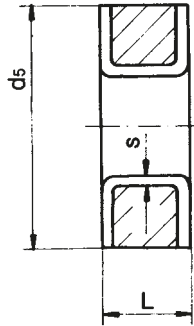
PTFE and PTFE lined spacers

Spacers are used to compensate for deviations in the assembly of pipe systems. Depending on their size, they can be manufactured either from massive PTFE or PTFE lined steel. The different designs are named Type F, G and H.

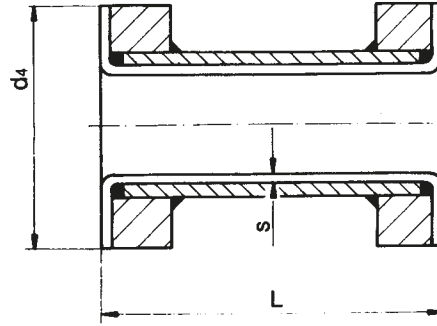
Their specific designs are shown in the illustrations below. Please refer to the table below and on the opposite page for dimensional details of the three spacer types. Nominal diameters of 1¼", 2½" and 5" are also available.



↑ Type F1 (massive PTFE) Type F2



↑ Type G



↑ Type H

Lined spacers

DN1 [mm]	Length of			s [mm]	d4 [mm]	PTFE		Weight [approx. kg]
	Type F1/2* [mm]	Type G [mm]	Type H [mm]			d5 [mm]	d5 [mm]	
1"	10						63	0.1
			25		3		63	0.5
			50		3		63	1.2
1 ½"	10		75		3	51		0.7
			25		3		82	0.1
			50		3		82	1
2"	10		75		3	73		1.1
			25		3		102	0.1
			50		3		102	1.4
3"	10		75		3	92		2.3
			25		3.5		133	0.2
			50		3.5		133	2.1
4"	10		75		3.5	127		3.6
			100		3.5	127		2.8
			25		4.5		172	3
5"	10		75		4.5	157		0.2
			100		4.5	157		2.5
			25		4.5		172	5
6"	10		75		4.5	157		3.5
			100		4.5	157		3.8
			25		4.5		172	5

* please state F1 or F2.

Subject to technical changes.

Lined spacers

DN1 [mm]	Length of				PTFE		Weight [approx. kg]
	Type F1/2* [mm]	Type G [mm]	Type H [mm]	s [mm]	d4 [mm]	d5 [mm]	
6"	10					219	0.4
		25			5	219	3.9
		50			5	219	7.2
				75	5	216	6
				100	5	216	6.5
8"	10					276	0.6
		25			5	276	5.3
		50			5	276	11
				75	5	270	15
				100	5	270	9.8
10"		25			5	337	7
		50			5	337	13
		75			5	337	18
			100		5	324	13
12"		25			5.5	407	8.2
		50			5.5	407	15
		75			5.5	407	21
			100		5.5	381	16
14"		25			5.5	447	14
		50			5.5	447	28
		75			5.5	447	42
			100		5.5	413	22
16"		25			5.5	511	18
		50			5.5	511	36
		75			5.5	511	54
			100		5.5	470	27
18"		25			5.5	546	19
		50			5.5	546	39
		75			5.5	546	59
			100		5.5	533	34
20"		25			6	603	21
		50			6	603	42
		75			6	603	64
			100		6	584	38
24"		25			6	714	21
		50			6	714	40
		75			6	714	65

* please state F1 or F2.

Subject to technical changes.

POLYFLURON®

PTFE and PFA lined instrument tees

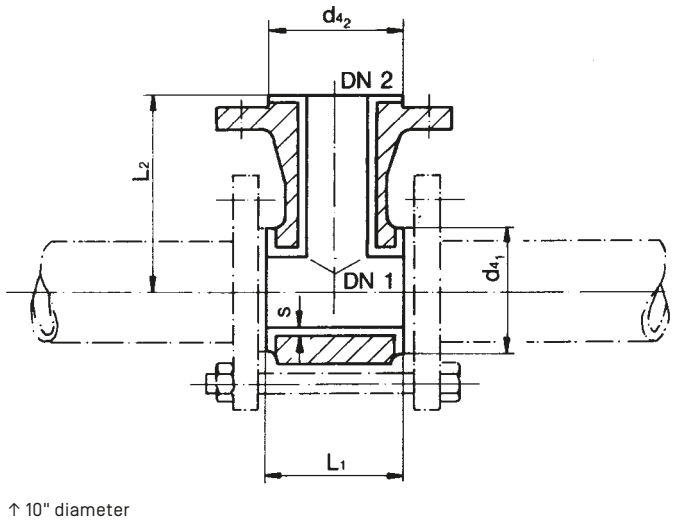
Instrument tees are used to connect manometers or thermometers, and also for sampling.

Instrument tees up to 10" diam. are supplied with a PFA lining. PFA is a tetrafluoroethylene-based copolymer with chemical and thermal properties comparable to those of PTFE.

PFA lined instrument tees

DN 1	DN 2	L 1	L 2	Weight
[mm]	[mm]	[mm]	[mm]	[approx. kg]
1"	1"	50	89	1.9
1 ¼"	1"	50	95	2.8
1 ½"	1 ½"	75	102	4.4
	1"	50	102	2.4
2"	2"	90	114	8.1
	1 ½"	75	114	6.2
	1"	50	114	3.2
2 ½"	2"	90	127	11
	1 ½"	75	127	9
	1"	50	127	5
3"	2"	90	140	14
	1 ½"	75	140	8.3
	1"	50	140	4.3
4"	2"	90	165	17.5
	1 ½"	75	165	10
	1"	50	165	5.5
5"	2"	90	190	22
	1 ½"	75	190	14
	1"	50	190	9
6"	2"	90	203	24
	1 ½"	75	203	15
	1"	50	203	7.7
8"	2"	90	229	26
	1 ½"	75	229	18
	1"	50	229	11
10"	2"	90	279	28
	1 ½"	75	279	24
	1"	50	279	15

Subject to technical changes.



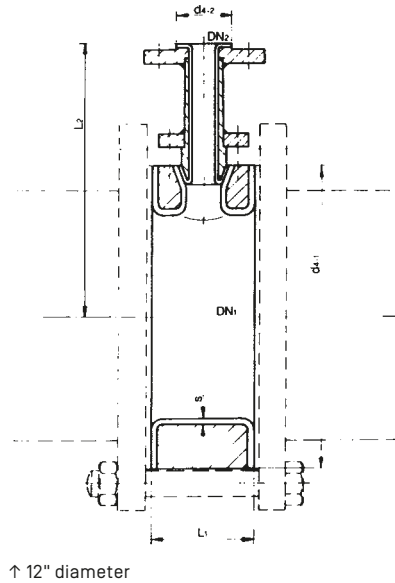
Products of 12" diam. or above are available in POLYFLURON PTFE lined steel (see table and drawings below).

Dimensions meet ASME B 16.5.

PTFE lined instrument tees

DN 1	DN 2	L 1	L 2	Weight
[mm]	[mm]	[mm]	[mm]	[approx. kg]
12"	2"	120	330	30
	1 ½"	105	330	29
	1"	90	330	27
14"	2"	120	360	44
	1 ½"	105	360	43
	1"	90	360	42
16"	2"	120	390	51
	1 ½"	105	390 <td 49	
	1"	90	390	48
18"	2"	120	430	58
	1 ½"	105	430	57
	1"	90	430	56
20"	2"	120	450	66
	1 ½"	105	450	65
	1"	90	450	64

Subject to technical changes.



POLYFLURON® PTFE lined reducers and lined reducing flanges

Reducers are used to reduce/enlarge the pipe diameters in order to improve liquid flow. Eccentric reducers often

allow better emptying of pipe systems. Dimensions meet ANSI B 16.5.

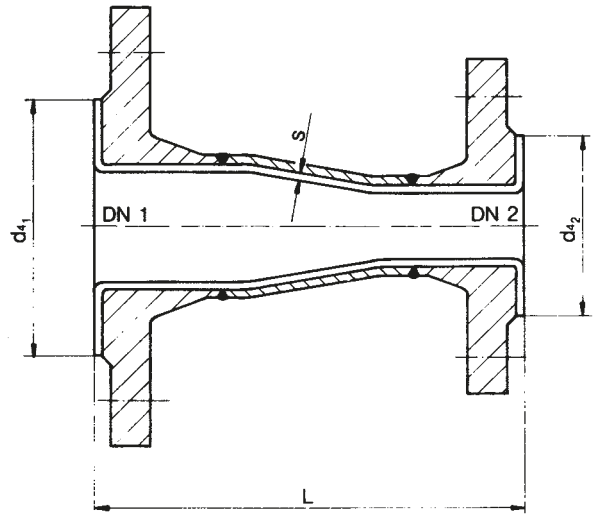
Lined reducers

DN 1	DN 2	L	Lining	Weight
[mm]	[mm]	[mm]	^s [mm]	[approx. kg]
1"	¾"	114	3	2.4
1 ½"	1"	114	3	3.4
2"	1"	127	3*	4.5
	1 ½"	127	3	5.2
3"	1"	152	3.5*	6.7
	1 ½"	152	3.5*	7.5
	2"	152	3.5	6.9
	2 ½"	152	4	7.5
4"	2"	178	4.5*	9.9
	2 ½"	178	4.5	10.6
	3"	178	4.5	13
6"	3"	229	5*	20
	4"	229	5	22
8"	4"	279	5*	31
	6"	279	5	35
10"	6"	305	5	45
	8"	305	5	52
12"	6"	356	5.5**	62
	8"	356	5.5	69
	10"	356	5.5	76
14"	8"	406	5.5**	70
	10"	406	5.5**	91
	12"	406	5.5	105
16"	10"	457	5.5**	98
	12"	457	5.5**	115
	14"	457	5.5	125
18"	12"	483	5.5**	135
	14"	483	5.5**	149
	16"	483	5.5	160
20"	14"	508	5.5**	168
	16"	508	5.5**	180
	18"	508	5.5	190

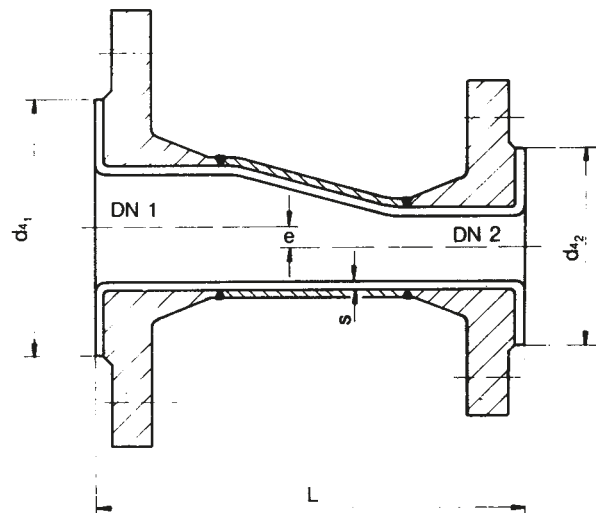
* isostatic PTFE or PFA lining.

** two-part paste-extruded PTFE lining.

Subject to technical changes.



↑ Type K



↑ Type E

Single-part paste-extruded PTFE lining

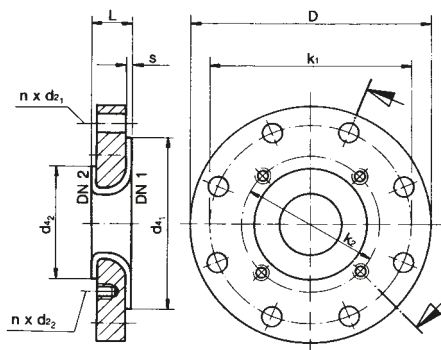
Reducing flanges are provided with holes as shown below (smaller diameter flanges are always threaded):

Type A: With clearance holes for larger nominal diameters

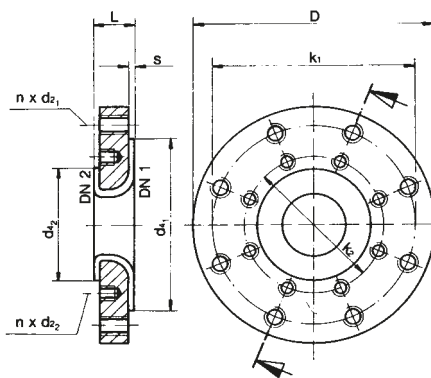
Type B: With threaded holes for both nominal diameters

Type C: With threaded holes, holes on small diameter side are not straddled

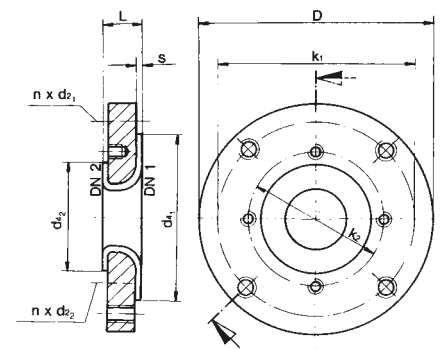
Connections to diameters of 1¼", 2½" and 5", as well as larger dimensions and diameter combinations not stated here, can also be supplied on request.



↑ Type A



↑ Type B



↑ Type C

Lined reducing flanges

DN1	DN2	L	PTFE						Metal		Weight [approx. kg]	Type
			s	d4 - 1	d4 - 2	D	k1	n x d2 - 1	k2	n x d2 - 2		
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
1"	¾"	25	3	51	43	108	79.4	4 x ½" UNC	69.8	4 x ½" UNC	1.5	C
1 ½"	1"	25	3	73	51	127	98.4	4 x ½" UNC	79.4	4 x ½" UNC	1.9	C
2"	1"	25	3	92	51	152.4	120.6	4 x ⅝" UNC	79.4	4 x ½" UNC	2.9	B
2"	1 ½"	25	3	92	73	152.4	120.6	4 x ⅝" UNC	98.4	4 x ½" UNC	2.7	C
3"	1"	30	4	127	51	190.5	152.4	4 x Ø 19	120.6	4 x ⅝" UNC	5.5	A
3"	1 ½"	30	4	127	73	190.5	152.4	4 x ⅝" UNC	98.6	4 x ½" UNC	5.3	B
3"	2"	30	4	127	92	190.5	152.4	4 x ⅝" UNC	120.6	4 x ⅝" UNC	5.2	C
4"	1"	30	3	157	51	228.6	190.5	8 x Ø 19	79.4	4 x ½" UNC	8	A
4"	1 ½"	30	4	157	73	228.6	190.5	8 x Ø 19	98.4	4 x ½" UNC	7.8	A
4"	2"	30	4	157	92	228.6	190.5	8 x Ø 19	120.6	4 x ⅝" UNC	7.6	A
4"	3"	30	5	157	127	228.6	190.5	8 x ⅝" UNC	152.4	4 x ⅝" UNC	6.6	B
6"	1"	35	3	216	51	279.4	241.3	8 x Ø 22.2	79.4	4 x ½" UNC	12	A
6"	1 ½"	35	4	216	73	279.4	241.3	8 x Ø 22.2	98.4	4 x ½" UNC	13	A
6"	2"	35	4	216	92	279.4	241.3	8 x Ø 22.2	120.6	4 x ⅝" UNC	13	A
6"	3"	35	5	216	127	279.4	241.3	8 x Ø 22.2	152.4	4 x ⅝" UNC	12	A
6"	4"	35	5	216	157	279.4	241.3	8 x ¾" UNC	190.5	8 x ⅝" UNC	11	B
8"	2"	35	4	270	92	342.9	298.4	8 x Ø 22.2	120.6	4 x ⅝" UNC	19	A
8"	3"	35	5	270	127	342.9	298.4	8 x Ø 22.2	152.4	4 x ⅝" UNC	18	A
8"	4"	35	5	270	157	342.9	298.4	8 x Ø 22.2	190.5	8 x ⅝" UNC	17	A
8"	6"	35	5	270	216	342.9	298.4	8 x ¾" UNC	241.3	8 x ¾" UNC	15	B
10"	2"	35	5	324	92	406.4	361.9	12 x Ø 25.4	120.6	4 x ⅝" UNC	27	A

Subject to technical changes.

Lined reducing flanges

DN1	DN 2	L	PTFE					Metal			Weight [approx. kg]	Type
			s	d4 - 1	d4 - 2	D	k1	n x d2 - 1	k2	n x d2 - 2		
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
10"	3"	35	5	324	127	406.4	361.9	12 x Ø 25.4	152.4	4 x 5/8" UNC	26	A
10"	4"	35	5	324	157	406.4	361.9	12 x Ø 25.4	190.5	8 x 5/8" UNC	25	A
10"	6"	35	5	324	216	406.4	361.9	12 x Ø 25.4	241.3	8 x 3/4" UNC	23	A
10"	8"	35	5	324	270	406.4	361.9	12 x 7/8" UNC	298.4	8 x 3/4" UNC	20	B
12"	2"	40	5	381	92	482.6	431.8	12 x Ø 25.4	120.6	4 x 5/8" UNC	46	A
12"	3"	40	5	381	127	482.6	431.8	12 x Ø 25.4	152.4	4 x 5/8" UNC	45	A
12"	4"	40	5	381	157	482.6	431.8	12 x Ø 25.4	190.5	8 x 5/8" UNC	44	A
12"	6"	40	5	381	216	482.6	431.8	12 x Ø 25.4	241.3	8 x 3/4" UNC	41	A
12"	8"	40	5	381	270	482.6	431.8	12 x Ø 25.4	298.4	8 x 3/4" UNC	38	A
12"	10"	40	5	381	324	482.6	431.8	12 x 7/8" UNC	361.9	12 x 7/8" UNC	33	B
14"	4"	40	5	413	157	533.4	476.2	12 x Ø 28.6	190.5	8 x 5/8" UNC	54	A
14"	6"	40	5	413	216	533.4	476.2	12 x Ø 28.6	241.3	8 x 3/4" UNC	51	A
14"	8"	40	5	413	270	533.4	476.2	12 x Ø 28.6	298.4	8 x 3/4" UNC	48	A
14"	10"	40	5	413	324	533.4	476.2	12 x Ø 28.6	361.9	12 x 7/8" UNC	43	A
14"	12"	40	5	413	381	533.4	476.2	12 x 1" UNC	431.8	12 x 7/8" UNC	37	C
16"	6"	45	5	470	216	596.9	539.7	16 x Ø 28.6	241.3	8 x 3/4" UNC	72	A
16"	8"	45	5	470	270	596.9	539.7	16 x Ø 28.6	298.4	8 x 3/4" UNC	68	A
16"	10"	45	5	470	324	596.9	539.7	16 x Ø 28.6	361.9	12 x 7/8" UNC	63	A
16"	12"	45	5	470	381	596.9	539.7	16 x Ø 28.6	431.8	12 x 7/8" UNC	57	A
16"	14"	45	5	470	413	596.9	539.7	16 x 1" UNC	476.2	12 x 1" UNC	52	B
18"	8"	45	5	533	270	635	577.8	16 x Ø 31.7	298.4	8 x 3/4" UNC	80	A
18"	10"	45	5	533	324	635	577.8	16 x Ø 31.7	361.9	12 x 7/8" UNC	74	A
18"	12"	45	5	533	381	635	577.8	16 x Ø 31.7	431.8	12 x 7/8" UNC	68	A
18"	14"	45	5	533	413	635	577.8	16 x 1/8" 8UN	476.2	12 x 1" UNC	64	B
18"	16"	45	5	533	470	635	577.8	16 x 1/8" 8UN	539.7	16 x 1" UNC	56	C
20"	10"	45	5	584	324	698.5	635	20 x Ø 31.7	361.9	12 x 7/8" UNC	93	A
20"	12"	45	5	584	381	698.5	635	20 x Ø 31.7	431.8	12 x 7/8" UNC	87	A
20"	14"	45	5	584	413	698.5	635	20 x Ø 31.7	476.2	12 x 1" UNC	83	A
20"	16"	45	5	584	470	698.5	635	20 x 1/8" 8UN	539.7	16 x 1" UNC	75	B
24"	12"	50	5	692	381	812.8	749.3	20 x Ø 35	431.8	12 x 7/8" UNC	135	A
24"	14"	50	5	692	413	812.8	749.3	20 x Ø 35	476.2	12 x 1" UNC	128	A
24"	16"	50	5	692	470	812.8	749.3	20 x Ø 35	539.7	16 x 1" UNC	120	A
24"	18"	50	5	692	533	812.8	749.3	20 x Ø 35	577.8	16 x 1/8" 8NC	110	A

Subject to technical changes.

POLYFLURON®

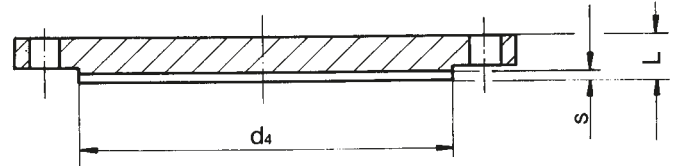
PTFE lined blind flanges

The POLYFLURON PTFE lining is fixed to the steel surface to prevent it from separating during transport and assembly. Sealing surfaces meet ANSI B16.5.

Lined blind flanges

DN	L	PTFE	Weight
[mm]	[mm]	^s [mm]	[approx. kg]
1"	17	3	0,9
1 ¼"	19	3	1,3
1 ½"	21	3	1,8
2"	22	3	2,3
2 ½"	25	3	3,2
3"	27	3	4,1
4"	27	3	7,7
5"	28	4	9,2
6"	29	4	12
8"	33	4	21
10"	35	5	32
12"	37	5	51
14"	40	5	65
16"	42	5	83
18"	45	5	95
20"	48	5	102
24"	53	5	132

Subject to technical changes.



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