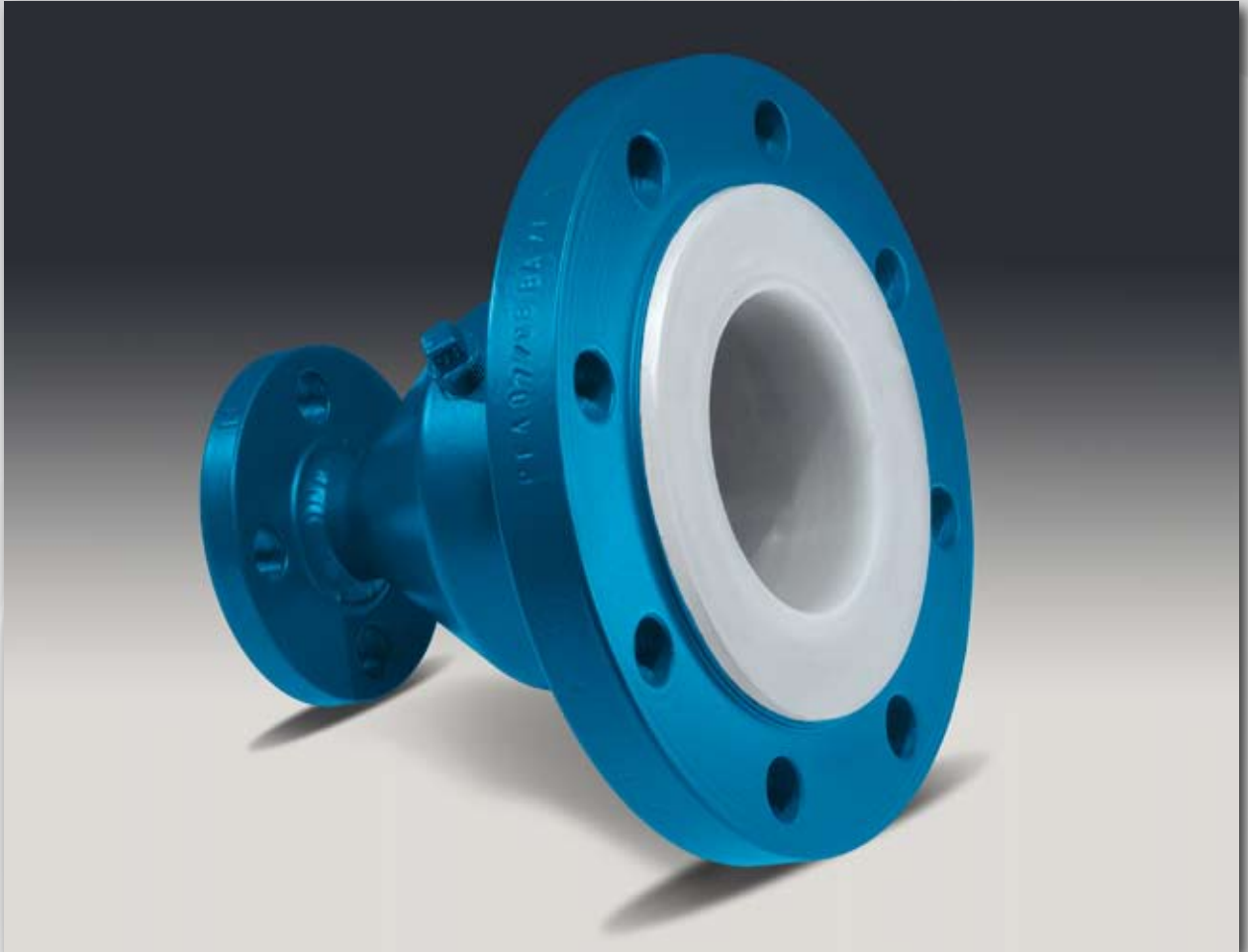


Reducers concentric (PN 10)

Concentric reducers are the universal solution for all changes of the cross-section. Depending on the nominal width, the reducers are lined with PTFE or with PFA.



Reducers concentric (PN 10)

- Lining-Materials (see chart):
- PTFE (virgin or conductive)
 - PFA (virgin or conductive)
 - PP

Different lining thicknesses and flange designs on request.

Flange design:

- fix-fix
- fix-loose
- loose-loose

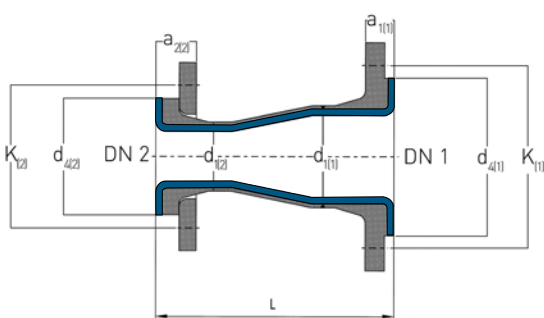
Other pressure rates:

- PN 16
- PN 25
- PN 40

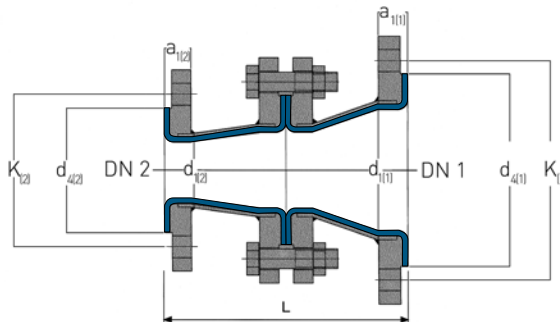
Material: carbon steel and stainless steel

Special features: earthing studs, earthing lugs, final painting.

All **diameter combinations printed in bold** are manufactured in two parts.



one-piece



two-piece

DN ₁	DN ₂	L (mm)	d ₁₍₁₎ (mm)	d ₄₍₁₎ (mm)	K ₍₁₎ (mm)	a ₁₍₁₎ (mm)	a ₂₍₁₎ (mm)	d ₁₍₂₎ (mm)	d ₄₍₂₎ (mm)	K ₍₂₎ (mm)	a ₁₍₂₎ (mm)	a ₂₍₂₎ (mm)	Lining-Materials	Screws		Wt. (ca. kg/pc.)
														(1)	(2)	
20	15	125	26,9	58	75	21,0	33,0	21,3	45	65	19,0	29,0	PTFE/PP	4xM12	4xM12	2,1
25	20	125	33,7	68	85	21,0	33,0	26,9	58	75	21,0	33,0	PTFE/PP	4xM12	4xM12	2,3
25	15	125	33,7	68	85	21,0	33,0	21,3	45	65	19,0	29,0	PTFE/PP	4xM12	4xM12	2,4
32	25	130	42,2	78	100	21,0	35,0	33,7	68	85	21,0	33,0	PTFE/PP	4xM16	4xM12	3,0
32	20	130	42,2	78	100	21,0	35,0	26,9	58	75	21,0	33,0	PTFE/PP	4xM16	4xM12	2,8
40	32	150	48,3	88	110	21,0	35,0	42,2	78	100	21,0	35,0	PTFE/PP	4xM16	4xM16	3,8
40	25	145	48,3	88	110	21,0	35,0	33,7	68	85	21,0	33,0	PFA / PP	4xM16	4xM12	3,3
40	20	145	48,3	88	110	21,0	35,0	26,9	58	75	21,0	33,0	PFA/PP	4xM16	4xM12	3,1
50	40	165	60,3	102	125	21,0	38,0	48,3	88	110	21,0	35,0	PTFE/PP	4xM16	4xM16	4,8
50	32	165	60,3	102	125	21,0	38,0	42,2	78	100	21,0	35,0	PTFE/PP	4xM16	4xM16	4,3
50	25	160	60,3	102	125	21,0	38,0	33,7	68	85	21,0	33,0	PFA / PP	4xM16	4xM12	4,1
65	50	185	76,1	122	145	21,0	39,0	60,3	102	125	21,0	38,0	PTFE/PP	4xM16	4xM16	7,0
65	40	180	76,1	122	145	21,0	39,0	48,3	88	110	21,0	35,0	PTFE/PP	4xM16	4xM16	6,4
65	32	180	76,1	122	145	21,0	39,0	42,2	78	100	21,0	35,0	PFA / PP	4xM16	4xM16	6,1
80	65	190	88,9	138	160	23,0	39,0	76,1	122	145	21,0	39,0	PTFE/PP	8xM16	4xM16	7,5
80	50	190	88,9	138	160	23,0	39,0	60,3	102	125	21,0	38,0	PTFE/PP	8xM16	4xM16	6,9
80	40	185	88,9	138	160	23,0	39,0	48,3	88	110	21,0	35,0	PFA / PP	8xM16	4xM16	6,3
80	25	185	88,9	138	160	23,0	39,0	33,7	68	85	21,0	33,0	PFA / PP	8xM16	4xM12	6,7
100	80	205	114,3	158	180	23,0	43,0	88,9	138	160	23,0	39,0	PTFE/PP	8xM16	8xM16	12,3
100	65	200	114,3	158	180	23,0	43,0	76,1	122	145	21,0	39,0	PTFE/PP	8xM16	4xM16	10,6
100	50	200	114,3	158	180	23,0	43,0	60,3	102	125	21,0	38,0	PFA / PP	8xM16	4xM16	9,9
125	100	235	139,7	188	210	26,5	44,5	114,3	158	180	23,0	43,0	PTFE/PP	8xM16	8xM16	15,0
125	80	235	139,7	188	210	26,5	44,5	88,9	138	160	23,0	39,0	PFA / PP	8xM16	8xM16	12,8
125	65	230	139,7	188	210	26,5	44,5	76,1	122	145	21,0	39,0	PFA / PP	8xM16	4xM16	11,0

to be continued




























Reducers concentric (PN 10)

DN ₁	DN ₂	L (mm)	d ₁₍₁₎ (mm)	d ₄₍₁₎ (mm)	K ₍₁₎ (mm)	a ₁₍₁₎ (mm)	a ₂₍₁₎ (mm)	d ₁₍₂₎ (mm)	d ₄₍₂₎ (mm)	K ₍₂₎ (mm)	a ₁₍₂₎ (mm)	a ₂₍₂₎ (mm)	Lining-Materials	Screws		Wt. (ca. kg/pc.)
														(1)	(2)	
150	125	250	168,3	212	240	27,0	49,0	139,7	188	210	26,5	44,5	PTFE/PP	8xM20	8xM16	20,1
150	100	250	168,3	212	240	27,0	49,0	114,3	158	180	23,0	43,0	PTFE/PP	8xM20	8xM16	18,3
150	80	250	168,3	212	240	27,0	49,0	88,9	138	160	23,0	39,0	PFA/PP	8xM20	8xM16	17,4
200	150	270	219,1	268	295	29,0	49,0	168,3	212	240	27,0	49,0	PTFE/PP	8xM20	8xM20	25,2
200	125		219,1	268	295	29,0	49,0	139,7	188	210	26,5	44,5	PTFE/PP	8xM20	8xM16	23,8
200	100		219,1	268	295	29,0	49,0	114,3	158	180	23,0	43,0	PTFE/PP	8xM20	8xM16	22,1
250	200	310	273,0	320	350	31,0	53,0	219,1	268	295	29,0	49,0	PTFE/PP	12xM20	8xM20	44,8
250	150	305	273,0	320	350	31,0	53,0	168,3	212	240	27,0	49,0	PTFE/PP	12xM20	8xM20	37,8
250	125		273,0	320	350	31,0	53,0	139,7	188	210	26,5	44,5	PTFE/PP	12xM20	8xM16	35,0
300	250	340	323,9	370	400	31,0	53,0	273,0	320	350	31,0	53,0	PTFE/PP	12xM20	12xM20	52,6
300	200	335	323,9	370	400	31,0	53,0	219,1	268	295	29,0	49,0	PTFE/PP	12xM20	8xM20	48,0
300	150	330	323,9	370	400	31,0	53,0	168,3	212	240	27,0	49,0	PTFE/PP	12xM20	8xM20	46,0
350	300	465	355,6	430	460	31,0	55,0	323,9	370	400	31,0	53,0	PTFE	16xM20	12xM20	80,0
350	250		355,6	430	460	31,0	55,0	273,0	320	350	31,0	53,0	PTFE	16xM20	12xM20	73,6
350	200		355,6	430	460	31,0	55,0	219,1	268	295	29,0	49,0	PTFE	16xM20	8xM20	69,0
400	350	495	406,4	482	515	31,0	61,0	355,6	430	460	31,0	55,0	PTFE	16xM24	16xM20	115,0
400	300		406,4	482	515	31,0	61,0	323,9	370	400	31,0	53,0	PTFE	16xM24	12xM20	105,0
400	250		406,4	482	515	31,0	61,0	273,0	320	350	31,0	53,0	PTFE	16xM24	12xM20	98,0
450	350	495	457,0	532	565	33,0	65,0	355,6	430	460	31,0	55,0	PTFE	20xM24	16xM20	148,0
450	300		457,0	532	565	33,0	65,0	323,9	370	400	31,0	53,0	PTFE	20xM24	12xM20	135,0
450	250		457,0	532	565	33,0	65,0	273,0	320	350	31,0	53,0	PTFE	20xM24	12xM20	122,0
500	400	650	508,0	585	585	33,0	69,0	406,4	482	515	31,0	61,0	PTFE	20xM24	16xM24	210,0
500	350		508,0	585	585	33,0	69,0	355,6	430	460	31,0	55,0	PTFE	20xM24	16xM20	198,0
500	300		508,0	585	585	33,0	69,0	323,9	370	400	31,0	53,0	PTFE	20xM24	12xM20	185,0




Available from stock:
flange design fix-loose and fix-fix

- L = Total length
- d₁ = External diameter of the pipe
- d₄ = Flaring diameter
- K = Bolt circle
- a₁ = Length with fixed flange (standard lining)
- a₂ = Length with loose flange (standard lining)

The construction dimensions for DN 15 and DN 450 are not defined in DIN 2848.

DN	Standard	Lining thickness (mm)	possible vacuum		
			23°C	100°C	230°C
25	●	3			
40	●	3			
50	●	3			
80	●	4			
100	●	4			
150	●	6			
200	●	6			
250	●	7			
300	●	7			

Vacuum resistance:

-  = full vacuum
-  = limited vacuum
-  = no vacuum

Please refer to the next diameter nominal if your diameter nominal is not listed.