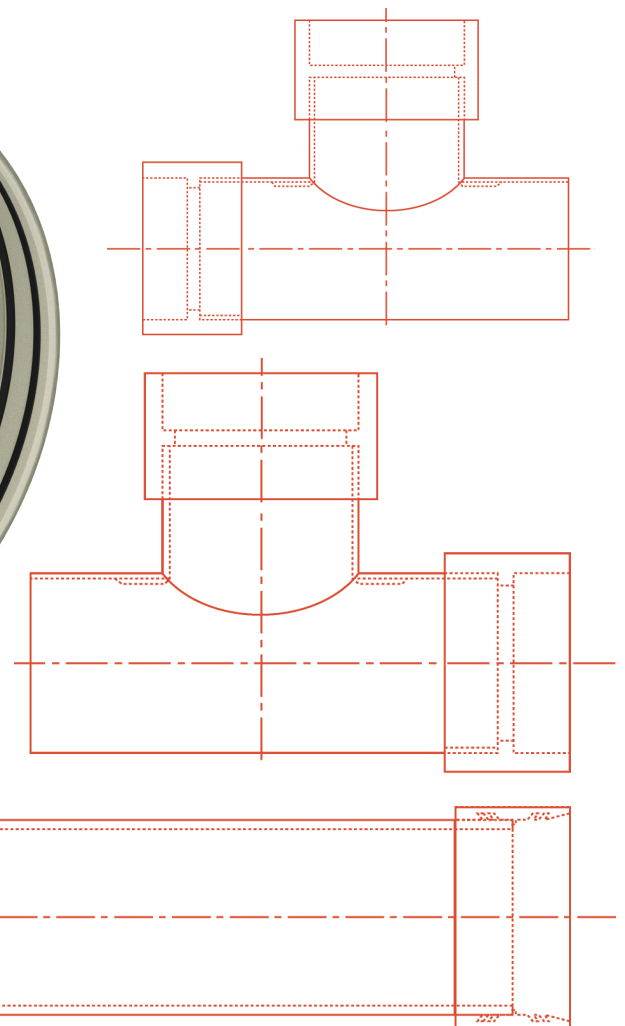
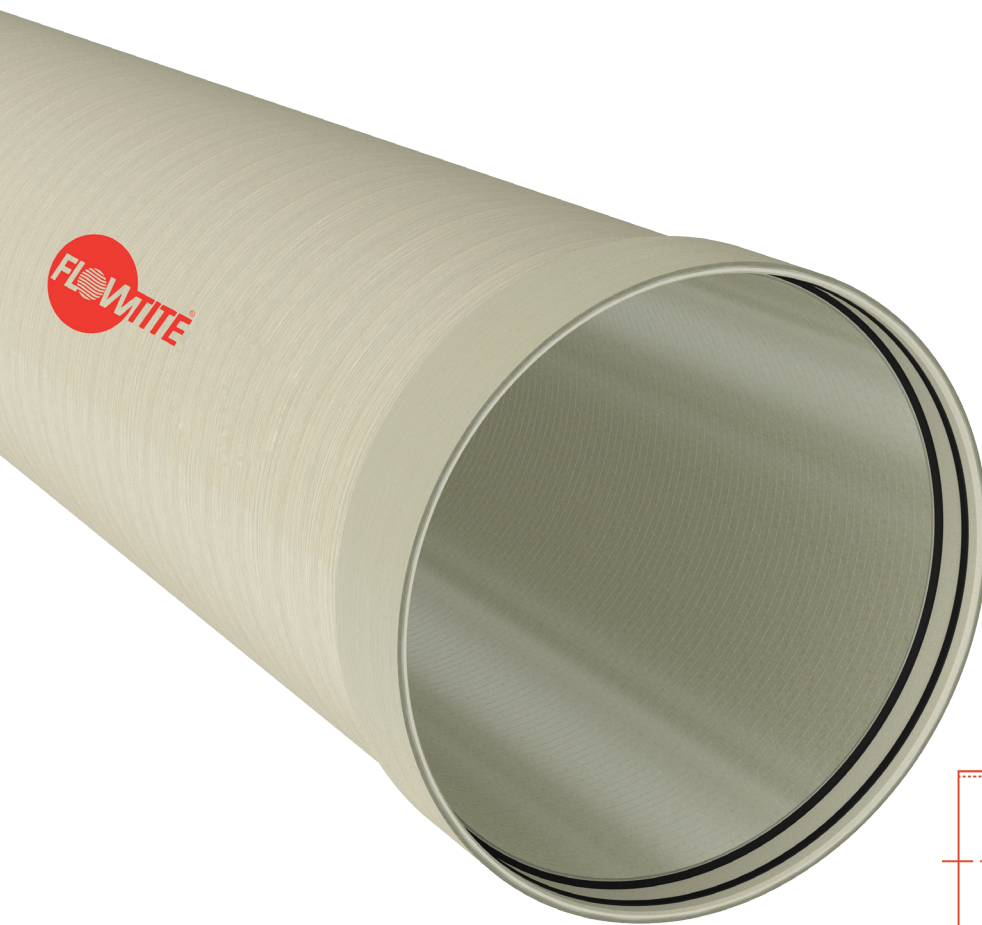




## Flowtite GRP pressure pipe systems

Technical product data





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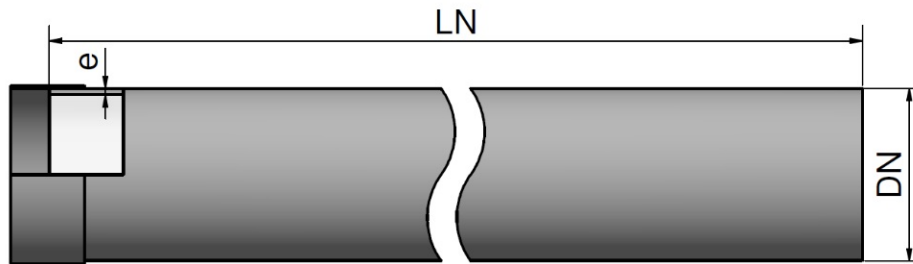
This version replaces all previous versions. For all current data and values please visit [www.amiblu.com](http://www.amiblu.com).

# Abbreviations

$\alpha$	Angle
B1	$d_e$ to product standard (EN 1796/EN 14364)
B2	$d_e$ to GRP and casting standards
B3	$d_e$ to GRP and PVC standards
B4	$d_e$ to GRP and steel standards
BE	Branch eccentricity
BL	Branch length / Bend length
BLL	Branch laying length
BP	Branch position
$d_e$	External diameter
$d_{eB}$	External diameter branch
$d_{eH}$	External diameter header
$d_{eL}$	External diameter large
$d_{eS}$	External diameter small

DN	Nominal diameter
$DN_B$	Nominal diameter branch
$DN_H$	Nominal diameter header
$DN_L$	Nominal diameter large
$DN_S$	Nominal diameter small
DS	Diameter series
e	Wall thickness
HLL	Header laying length
LL	Laying length
LN	Nominal length
m	Weight
PN	Nominal pressure
R	Radius
SN	Nominal stiffness

# Standard Pressure Pipe PN 6/10



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

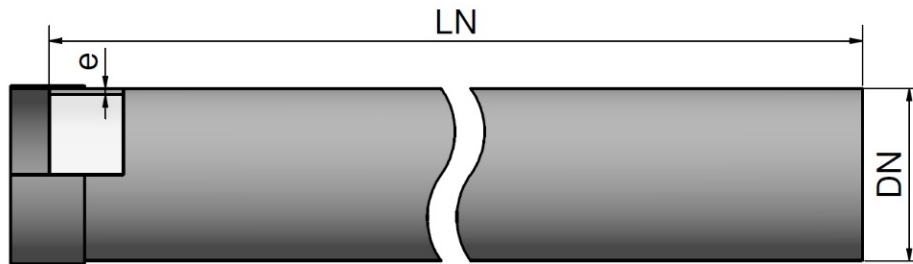
DN	DS	d <sub>e</sub> [mm]	PN 6				PN 10			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
300	B2	324	10	5	13	6	10	5	13	6
350	B2	376	14	6	17	7	14	6	17	7
400	B2	427	18	7	22	8	18	6	22	8
450	B2	478	23	7	28	9	22	7	28	9
500	B2	530	29	8	35	10	27	8	35	10
600	B1	617	39	10	48	12	36	9	48	12
700	B1	719	53	11	66	14	49	10	66	14
800	B1	821	69	12	85	15	63	12	85	15
900	B1	923	87	14	107	17	81	13	107	17
1000	B1	1025	106	15	133	19	99	14	133	19
1100	B1	1127	129	17	161	21	120	16	161	21
1200	B1	1229	152	18	190	23	142	17	190	23
1300	B1	1331	179	20	223	25	166	19	223	25
1400	B1	1433	207	21	258	27	192	20	258	27
1500	B1	1535	238	23	296	28	220	21	296	28
1600	B1	1637	270	24	337	30	250	23	337	30
1700	B1	1739	305	26	379	32	282	24	379	32
1800	B1	1841	341	27	425	34	315	25	425	34
1900	B1	1943	379	29	473	36	351	27	473	36
2000	B1	2045	419	30	523	38	389	28	523	38

The standard pipe lengths are 3, 6, and 12 m (3 and 6 m for DN 200). Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.

# Standard Pressure Pipe PN 6/10



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

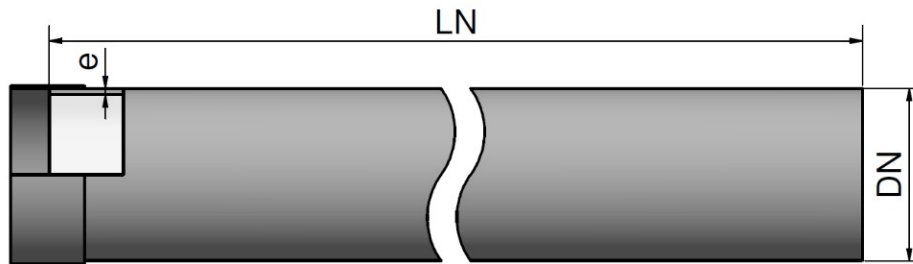
DN	DS	d <sub>e</sub> [mm]	PN 6				PN 10			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
2100	B1	2147	462	32	576	39	428	29	576	39
2200	B1	2249	507	33	632	41	469	31	632	41
2300	B1	2351	553	34	690	43	513	32	690	43
2400	B1	2453	602	36	750	45	558	34	750	45
2500	B1	2555	654	37	814	47	605	35	814	47
2600	B1	2657	706	39	881	49	654	36	881	49
2700	B1	2759	760	40	949	50	705	38	949	50
2800	B1	2861	818	42	1021	52	758	39	1021	52
2900	B1	2963	877	43	1093	54	813	40	1093	54
3000	B1	3065	937	45	1170	56	869	42	1170	56
3100	B1	3167	973	46	1214	58	891	43	1214	58
3200	B1	3269	1036	48	1294	60	948	45	1294	60
3300	B1	3371	1103	49	1376	61	1009	46	1376	61
3400	B1	3473	1170	51			1069	47	1459	63
3500	B1	3575	1239	52			1134	49		
3600	B1	3677	1308	53			1199	50		
3700	B1	3779	1385	55			1266	51		
3800	B1	3881	1459	56			1335	53		
3900	B1	3983					1406	54		
4000	B1	4085					1478	55		

The standard pipe lengths are 3, 6, and 12 m (3 and 6 m for DN 200). Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.

# Standard Pressure Pipe PN 16/20



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

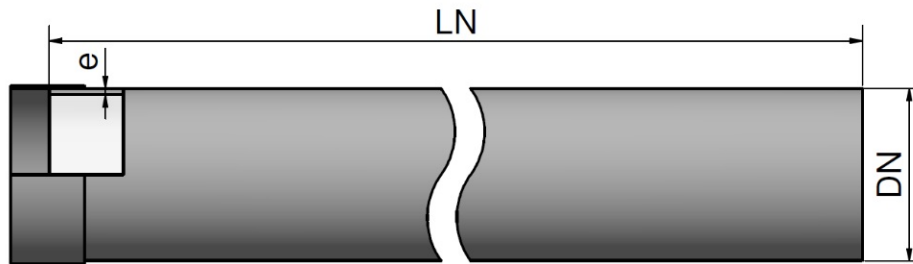
DN	DS	d <sub>e</sub> [mm]	PN 16				PN 20			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
300	B2	324	9	5	12	6	9	5	12	6
350	B2	376	13	5	16	7	12	5	16	7
400	B2	428	16	6	21	8	16	6	20	7
450	B2	479	20	7	25	8	20	7	25	8
500	B2	531	25	7	32	9	24	7	31	9
600	B1	617	33	8	43	11	32	8	41	10
700	B1	719	44	10	58	12	43	9	56	12
800	B1	821	57	11	75	14	55	11	72	13
900	B1	923	72	12	95	16	70	12	91	15
1000	B1	1025	89	13	117	17	85	13	111	17
1100	B1	1127	107	15	141	19	103	14	134	18
1200	B1	1229	126	16	167	20	122	15	159	20
1300	B1	1331	148	17	195	22	143	17	186	21
1400	B1	1433	171	18	226	24	165	18	215	23
1500	B1	1535	196	19	259	25	189	19	247	24
1600	B1	1637	222	21	294	27	214	20	280	26
1700	B1	1739	251	22	332	29	241	21	316	27
1800	B1	1841	280	23	372	30	270	23	353	29

The standard pipe lengths are 3, 6, and 12 m (3 and 6 m for DN 200). Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.

# Standard Pressure Pipe PN 16/20



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

DN	DS	d <sub>e</sub> [mm]	PN 16				PN 20			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
1900	B1	1943	312	24	413	32	300	24	393	31
2000	B1	2045	345	26	457	33	332	25	435	32
2100	B1	2147	380	27	504	35	366	26	479	34
2200	B1	2249	416	28	552	37	401	27	525	35
2300	B1	2351	455	29	604	38	438	29	573	37
2400	B1	2453	495	31	657	40	476	30	624	38
2500	B1	2555	536	32	712	42	515	31	678	40
2600	B1	2657	580	33	769	43	557	32	731	42
2700	B1	2759	625	34	830	45	600	33	788	43
2800	B1	2861	671	35	891	46	646	35	847	45
2900	B1	2963	719	37	957	48	691	36	907	46
3000	B1	3065	769	38	1023	50	740	37	972	48
3100	B1	3167	754	39	1029	51				
3200	B1	3269	803	40	1097	53				
3300	B1	3371	853	42	1166	55				
3400	B1	3473	905	43	1237	56				

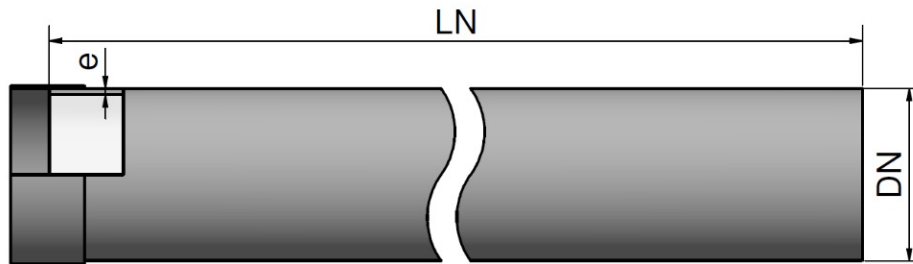
The standard pipe lengths are 3, 6, and 12 m (3 and 6 m for DN 200). Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.



# Standard Pressure Pipe PN 25/32



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

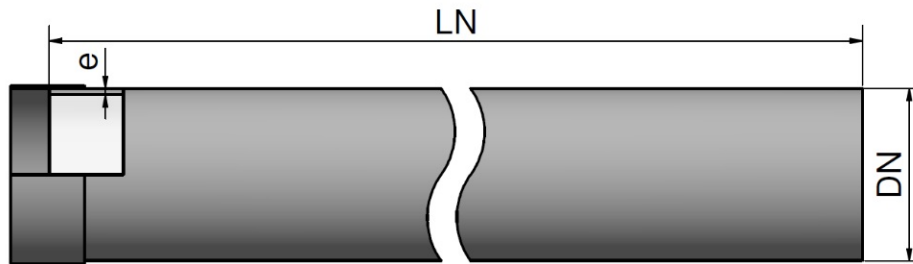
DN	DS	d <sub>e</sub> [mm]	PN 25				PN 32			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
300	B2	325	9	5	11	6			11	6
350	B2	377	12	5	15	6			15	6
400	B2	428	15	6	20	7			19	7
450	B2	479	19	6	24	8			24	8
500	B2	531	23	7	30	9			29	9
600	B1	617	31	8	40	10			39	10
700	B1	719	42	9	54	12			52	11
800	B1	821	54	10	69	13			67	13
900	B1	923	68	12	87	15			84	14
1000	B1	1025	83	13	107	16			104	16
1100	B1	1127	100	14	129	18			125	17
1200	B1	1229	119	15	153	19			148	19
1300	B1	1331	139	16	179	21			173	20
1400	B1	1433	160	18	207	22			200	22
1500	B1	1535	184	19	237	24			229	23
1600	B1	1637	208	20	269	25			260	25
1700	B1	1739	235	21	303	27			293	26
1800	B1	1841	262	22	339	28			327	28

The standard pipe lengths are 3, 6, and 12 m (3 and 6 m for DN 200). Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.

# Standard Pressure Pipe PN 25/32



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

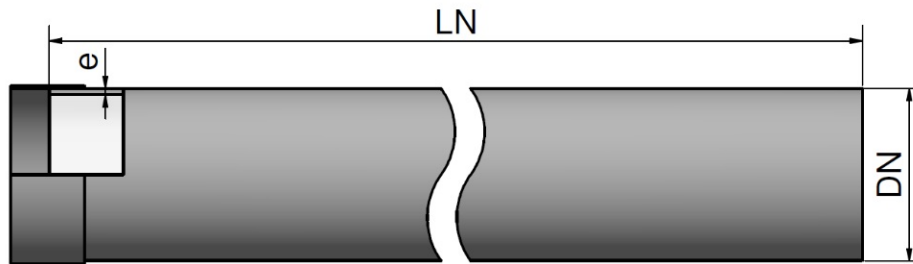
DN	DS	d <sub>e</sub> [mm]	PN 25				PN 32			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
1900	B1	1943	293	24	378	30				
2000	B1	2045	323	25	419	31				
2100	B1	2147	356	26	460	33				
2200	B1	2249	389	27	505	34				
2300	B1	2351	424	28	550	36				
2400	B1	2453	463	29	599	37				

The standard pipe lengths are 3, 6, and 12 m (3 and 6 m for DN 200). Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.

# Pressure Pipe Restrained PN 6/10



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

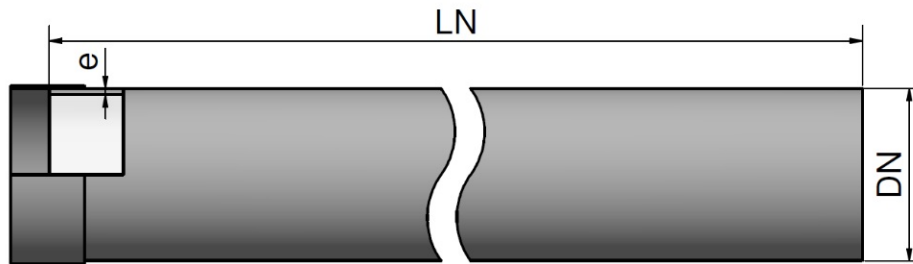
DN	DS	d <sub>e</sub> [mm]	PN 6		PN 10			
			SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
300	B2	324	9	5	9	5	11	6
350	B2	376	12	6	12	6	15	7
400	B2	427	15	6	15	6	19	8
450	B2	478	19	7	19	7	23	8
500	B2	530	24	8	24	8	28	9
600	B1	617	32	9	32	9	38	11
700	B1	719	42	10	42	10	51	12
800	B1	821	54	11	54	11	67	14
900	B1	923	68	13	68	13	84	16
1000	B1	1025	83	14	83	14	102	17
1100	B1	1127	99	15	99	15	123	19
1200	B1	1229	118	16	118	16	146	20
1300	B1	1331	138	18	138	18	170	22
1400	B1	1433	159	19	159	19	196	24
1500	B1	1535	184	20				
1600	B1	1637	210	22				
1700	B1	1739	236	23				
1800	B1	1841	265	24				
1900	B1	1943	294	25				
2000	B1	2045	326	27				

The standard pipe lengths are 3, 6, and 12 m. Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.

# Pressure Pipe Restrained PN 12/16



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

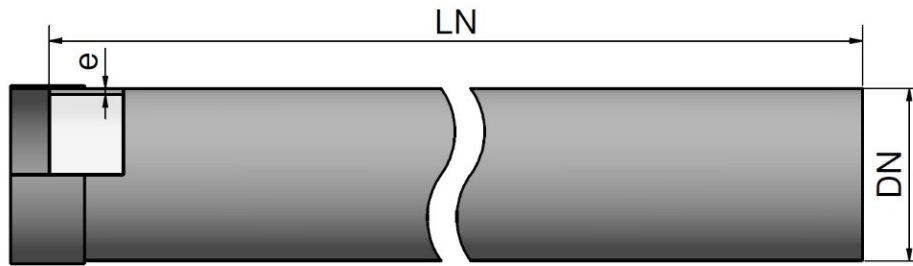
DN	DS	d <sub>e</sub> [mm]	PN 12		PN 16	
			SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]
300	B2	324	11	6	12	6
300	B2	324	11	6	12	6
350	B2	376	15	7	15	7
350	B2	376	15	7	15	7
400	B2	427	19	8	19	8
400	B2	427	19	8	19	8
450	B2	478	23	8	25	9
500	B2	530	28	9	30	9
600	B1	617	38	11	40	11
700	B1	719	51	12	54	12
700	B1	719	51	12	54	12
800	B1	821	67	14	70	14
800	B1	821	67	14	70	14
900	B1	923	84	16		
1000	B1	1025	102	17		

The standard pipe lengths are 3, 6, and 12 m. Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.

# Flowtite Grey PN 6/10



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

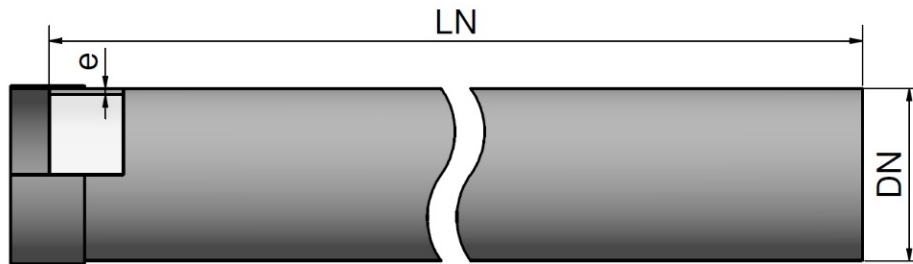
DN	DS	d <sub>e</sub> [mm]	PN 6				PN 10			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
300	B2	324	11	5	14	6	11	5	14	6
350	B2	376	15	6	19	8	14	6	19	8
400	B2	427	19	7	24	8	18	6	24	8
450	B2	478	24	8	30	9	23	7	30	9
500	B2	530	30	8	36	10	28	8	36	10
600	B1	617	40	10	49	12	37	9	49	12
700	B1	719	54	11	66	14	50	10	66	14
800	B1	821	69	12	86	15	64	12	86	15
900	B1	923	87	14	109	17	82	13	109	17
1000	B1	1025	108	15	133	19	101	15	133	19
1100	B1	1127	129	17	161	21	121	16	161	21
1200	B1	1229	153	18	192	23	144	17	192	23
1300	B1	1331	180	20	224	25	167	19	224	25
1400	B1	1433	209	21	259	27	194	20	259	27
1500	B1	1535	239	23	298	28	222	21	298	28
1600	B1	1637	272	24	338	30	252	23	338	30
1700	B1	1739	307	26	381	32	285	24	381	32
1800	B1	1841	343	27	427	34	318	25	427	34
1900	B1	1943	381	29	474	36	354	27	474	36
2000	B1	2045	421	30	524	38	392	28	524	38

The standard pipe lengths are 3, 6, and 12 m. Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.

# Flowtite Grey PN 6/10



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

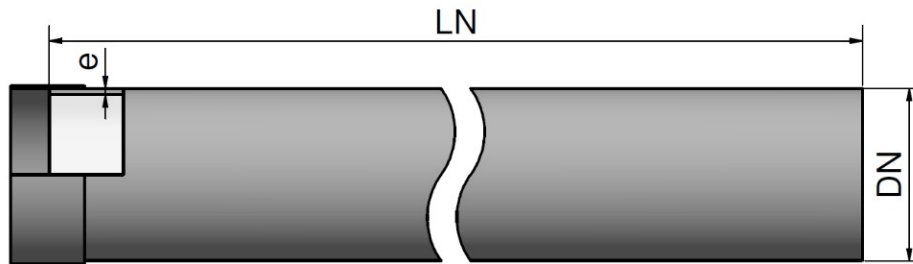
DN	DS	d <sub>e</sub> [mm]	PN 6				PN 10			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
2100	B1	2147	465	32	578	39	431	29	578	39
2200	B1	2249	509	33	634	41	473	31	634	41
2300	B1	2351	555	34	692	43	516	32	692	43
2400	B1	2453	604	36	753	45	562	34	753	45
2500	B1	2555	656	37	817	47	609	35	817	47

The standard pipe lengths are 3, 6, and 12 m. Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.

# Flowtite Grey PN 16/20



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

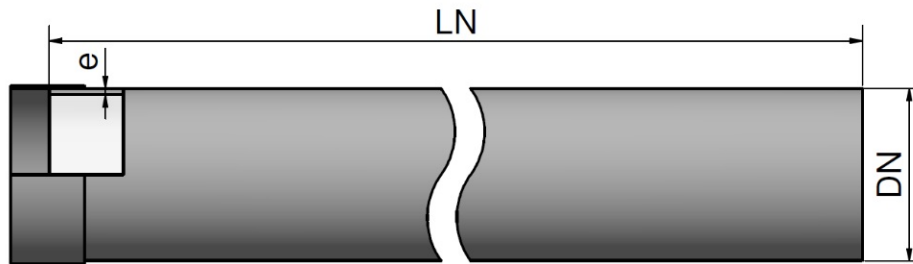
DN	DS	d <sub>e</sub> [mm]	PN 16				PN 20			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
300	B2	324	10	5	13	6	9	5	12	6
350	B2	376	13	5	17	7	12	5	16	6
400	B2	427	16	6	21	8	16	6	20	7
450	B2	478	20	6	26	8	20	6	25	8
500	B2	530	25	7	32	9	24	7	31	9
600	B1	617	33	8	44	11	32	8	42	10
700	B1	719	45	9	59	12	43	9	56	12
800	B1	821	58	11	76	14	56	10	72	13
900	B1	923	73	12	96	16	70	12	91	15
1000	B1	1025	89	13	118	17	86	13	112	16
1100	B1	1127	107	14	141	19	103	14	135	18
1200	B1	1229	127	16	168	20	122	15	160	20
1300	B1	1331	148	17	196	22	143	16	187	21
1400	B1	1433	172	18	227	24	165	18	216	23
1500	B1	1535	197	19	260	25	189	19	247	24
1600	B1	1637	223	21	296	27	215	20	281	26
1700	B1	1739	251	22	333	29	242	21	317	27
1800	B1	1841	281	23	373	30	270	22	354	29

The standard pipe lengths are 3, 6, and 12 m. Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.

# Flowtite Grey PN 16/20



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

DN	DS	d <sub>e</sub> [mm]	PN 16				PN 20			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
1900	B1	1943	313	24	415	32	300	24	394	31
2000	B1	2045	346	25	459	33	333	25	436	32
2100	B1	2147	381	27	506	35	366	26	480	34
2200	B1	2249	418	28	555	37	401	27	526	35
2300	B1	2351	456	29	605	38	438	28	575	37
2400	B1	2453	495	30	659	40	476	30	625	38
2500	B1	2555	537	32	715	42	516	31	679	40

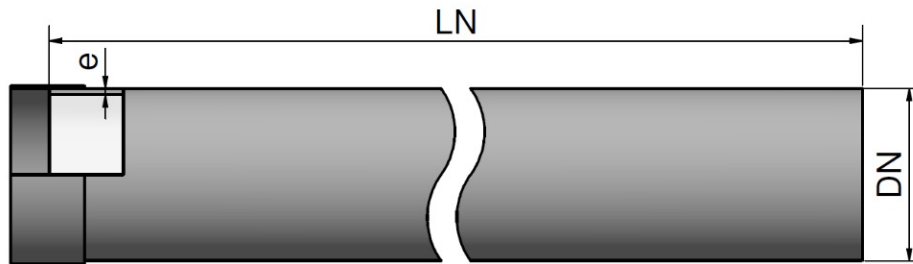
The standard pipe lengths are 3, 6, and 12 m. Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.



# Flowtite Grey PN 25/32



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

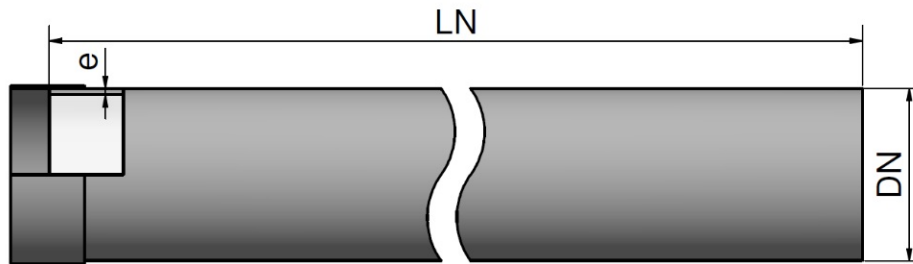
DN	DS	d <sub>e</sub> [mm]	PN 25				PN 32			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
300	B2	325	9	5	12	6			11	6
350	B2	377	12	5	16	6			15	6
400	B2	428	16	6	20	7			19	7
450	B2	479	19	6	24	8			24	8
500	B2	531	23	7	30	9			29	9
600	B1	617	31	8	40	10			39	10
700	B1	719	42	9	54	11			52	11
800	B1	821	54	10	70	13			67	13
900	B1	923	68	12	88	15			84	14
1000	B1	1025	83	13	107	16			104	16
1100	B1	1127	100	14	129	18			125	17
1200	B1	1229	119	15	153	19			148	19
1300	B1	1331	139	16	179	21			173	20
1400	B1	1433	160	17	207	22			200	22
1500	B1	1535	184	19	238	24			229	23
1600	B1	1637	208	20	270	25			260	25
1700	B1	1739	235	21	304	27			293	26
1800	B1	1841	263	22	340	28			328	28

The standard pipe lengths are 3, 6, and 12 m. Other lengths are available on request.

Other stiffness classes are available on request.

The table data above refers to the Flowtite Standard Pressure Pipe design.

# Flowtite Grey PN 25/32



Portfolio as sold by Amiblu. For the full range of the Flowtite technology, visit [www.flowtite.com](http://www.flowtite.com).

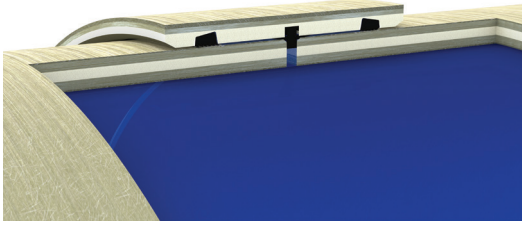
DN	DS	d <sub>e</sub> [mm]	PN 25				PN 32			
			SN 5000		SN 10000		SN 5000		SN 10000	
			m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]	m [kg/m]	e [mm]
1900	B1	1943	292	23	378	30				
2000	B1	2045	323	25	419	31				
2100	B1	2147	356	26	461	33				
2200	B1	2249	389	27	505	34				
2300	B1	2351	424	28	551	36				
2400	B1	2453	463	29	599	37				

The standard pipe lengths are 3, 6, and 12 m. Other lengths are available on request.

Other stiffness classes are available on request.

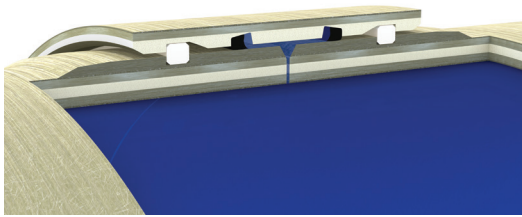
The table data above refers to the Flowtite Standard Pressure Pipe design.

## Joins and Couplings



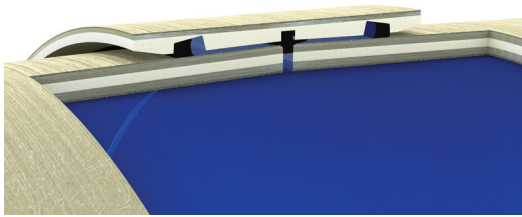
### Flowtite Pressure Coupling (FPC)

Diameter range (DN): 200 - 4000 mm  
 Pressure range (PN): up to 32 bar  
 Angular deflection\*: up to 3°



### Flowtite Lock Joint (FBC)

Diameter range (DN): 300 - 2000 mm  
 Pressure range (PN): up to 16 bar  
 Angular deflection: not applicable



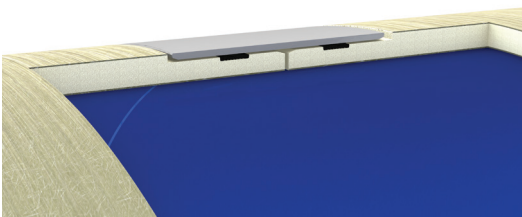
### Flowtite Pressure Coupling Angled (FPCA)

Diameter range (DN): 600 - 2500 mm  
 Pressure range (PN): up to 16 bar  
 Angular deflection\*: up to 3°



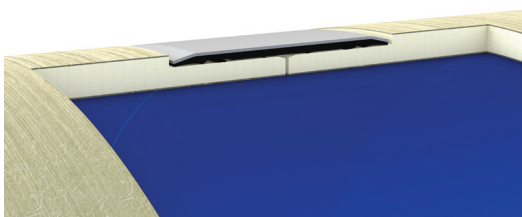
### GRP Sleeve

Diameter range (de): 272 - 3600 mm  
 Pressure range (PN): up to 6 bar



### Stainless Steel Sleeve

Diameter range (de): 272 - 3600 mm  
 Pressure range (PN): up to 6 bar



### Stainless Steel Sleeve With Integrated Rubber Seal

Diameter range (de): 272 - 2500 mm  
 Pressure range (PN): up to 16 bar

\* The degree of angular deflection depends on the pipe diameter. Please contact Amiblu for further information.

## Field Joints for Pressure & Gravity Applications

Laminated field joints are available in restrained and unrestrained designs. Amiblu provides the necessary instructions or skilled personnel for butt-wrap joining in pressure and non-pressure applications. Technologies developed by Amiblu provide faster and more cost-efficient installations.

## Wall Couplings

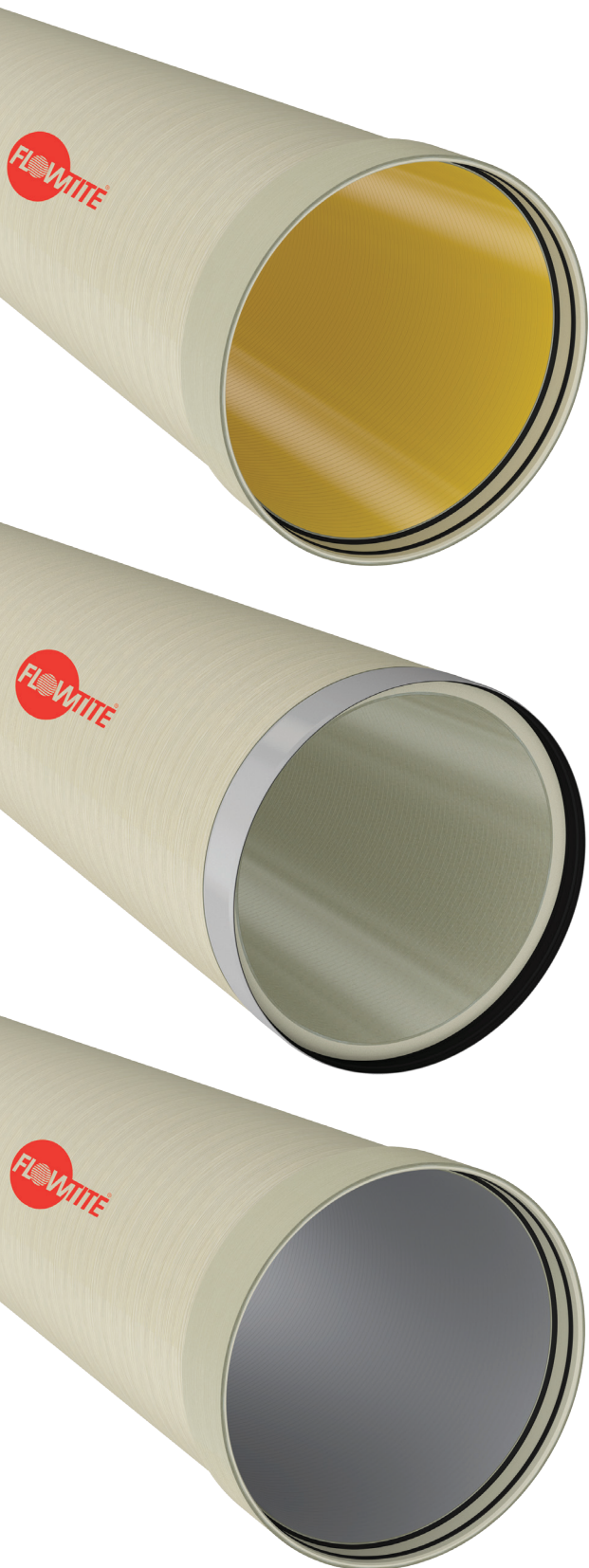
The wall coupling is used for connecting pipes to concrete shafts and walls. Wall couplings are sanded for improved stability in concrete shafts. Wall couplings can be delivered with pipe ring, and optionally with sealing tape. Lengths can be selected as required in consideration of the pipe joint data.

## Mechanical Couplings

Amiblu pipes can be joined using mechanical steel couplings such as tangential bolt couplings or axial bolt couplings.

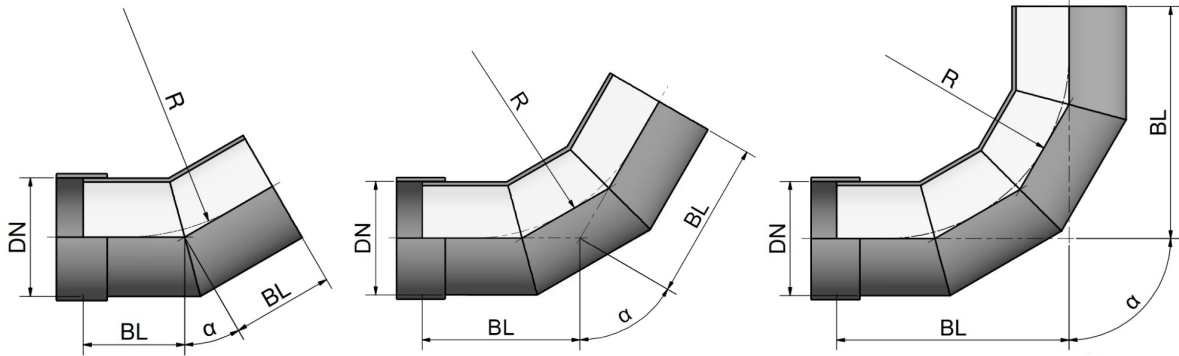
## Amiblu Flanges

Amiblu manufactures and sells flanges in various designs and according to different standards and requirements. When connecting two GRP flanges, the standard bolt pattern to which flanges are manufactured is EN 1092. Other patterns of drilling such as according to AWWA, ANSI, DIN, and JIS can be supplied.



Amiblu offers a broad portfolio of filament wound Flowtite GRP pipe systems for various applications and installation methods, e.g. jacking pipes, relining pipes, special pipes with highly durable inner liner, and many more. For the complete range of offered products, please visit [www.amiblu.com](http://www.amiblu.com).

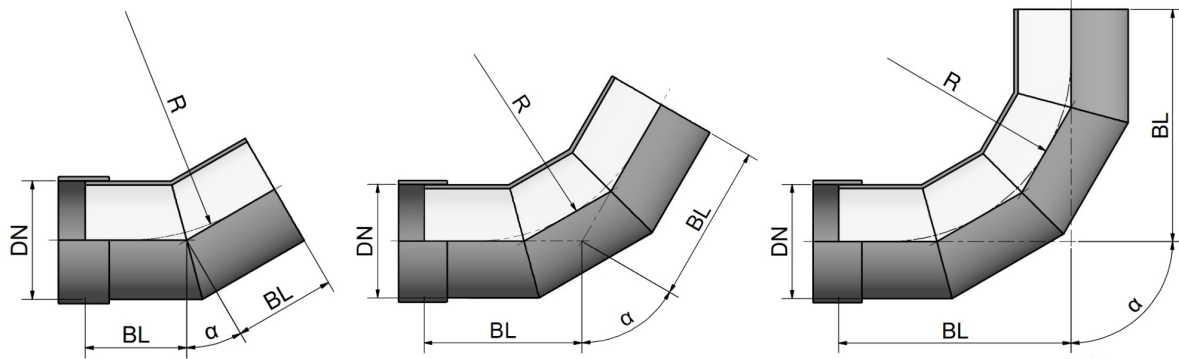
# Segmented Elbow PN 6



Angle $\alpha^*$ :		11.25°		15°		22.5°		30°		45°		60°		90°	
Segments:		2		2		2		2		3		3		4	
DN	$d_e$ [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]
200	220	300	250	300	250	300	250	300	300	300	350	300	400	300	500
250	272	375	300	375	300	375	300	375	300	375	400	375	450	375	600
300	324	450	400	450	350	450	400	450	400	450	500	450	550	450	750
350	376	525	400	525	400	525	400	525	450	525	550	525	600	525	800
400	427	600	450	600	450	600	450	600	450	600	600	600	650	600	900
450	478	675	450	675	450	675	500	675	500	675	600	675	700	675	1000
500	530	750	450	750	450	750	500	750	500	750	650	750	750	750	1050
600	617	900	400	900	400	900	400	900	450	900	600	900	700	900	1100
700	719	1050	400	1050	400	1050	450	1050	450	1050	650	1050	800	1050	1200
800	821	1200	450	1200	450	1200	450	1200	500	1200	700	1200	850	1200	1350
900	923	1350	450	1350	450	1350	500	1350	550	1350	800	1350	950	1350	1500
1000	1025	1500	450	1500	500	1500	500	1500	550	1500	850	1500	1000	1500	1650
1100	1127	1650	500	1650	500	1650	550	1650	600	1650	900	1650	1100	1650	1800
1200	1229	1800	500	1800	550	1800	600	1800	600	1800	950	1800	1200	1800	1950
1300	1331	1950	600	1950	600	1950	650	1950	700	1950	1050	1950	1300	1950	2100
1400	1433	2100	600	2100	600	2100	650	2100	700	2100	1100	2100	1350	2100	2250
1500	1535	2250	650	2250	650	2250	700	2250	750	2250	1200	2250	1450	2250	2400
1600	1637	2400	650	2400	700	2400	750	2400	800	2400	1250	2400	1550	2400	2550
1700	1739	2550	650	2550	700	2550	750	2550	800	2550	1300	2550	1600	2550	2700
1800	1841	2700	700	2700	750	2700	800	2700	850	2700	1350	2700	1700	2700	2850
1900	1943	2850	700	2850	750	2850	800	2850	850	2850	1400	2850	1750	2850	2950

\* For intermediate sizes, the data of the respective next higher standard class apply.  
 Sizes can be adapted to meet transport requirements. For project-related dimensions, please contact Amiblu.

# Segmented Elbow PN 6



Angle $\alpha^*$ :		11.25°		15°		22.5°		30°		45°		60°		90°	
Segments:		2		2		2		2		3		3		4	
DN	$d_e$ [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]
2000	2045	3000	700	3000	750	3000	800	3000	900	3000	1450	3000	1800	3000	3100
2100	2147	3150	700	3150	750	3150	800	3150	900	3150	1500	3150	1850	3150	3200
2200	2249	3300	700	3300	750	3300	800	3300	900	3300	1550	3300	1950	3300	3350
2300	2351	3450	700	3450	750	3450	800	3450	950	3450	1550	3450	2000	3450	3450
2400	2453	3600	700	3600	750	3600	800	3600	1000	3600	1550	3600	2100	3600	3600
2500	2555	3750	700	3750	750	3750	800	3750	1000	3750	1600	3750	2200	3750	3750
2600	2657	3900	700	3900	800	3900	900	3900	1000	3900	1700	3900	2200	3900	3800
2700	2759	4050	800	4050	800	4050	900	4050	1000	4050	1800	4050	2200	4050	4000
2800	2861	4200	800	4200	800	4200	900	4200	1000	4200	1800	4200	2300	4200	4100
2900	2963	4350	800	4350	800	4350	900	4350	1000	4350	1900	4350	2400	4350	4200
3000	3065	4500	800	4500	900	4500	1000	4500	1100	4500	1900	4500	2500	4500	4400
3100	3167	4650	800	4650	800	4650	1000	4650	1100	4650	2000	4650	2500	4650	4500
3200	3269	4800	800	4800	900	4800	1000	4800	1100	4800	2000	4800	2600	4800	4600
3300	3371	4950	800	4950	900	4950	1000	4950	1100	4950	2100	4950	2600	4950	4700

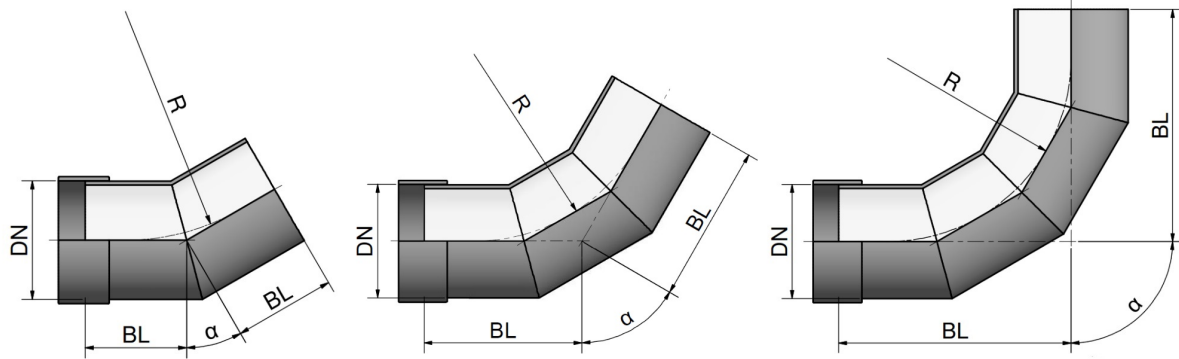
\* For intermediate sizes, the data of the respective next higher standard class apply.

Sizes can be adapted to meet transport requirements. For project-related dimensions, please contact Amiblu.

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# Segmented Elbow PN 10

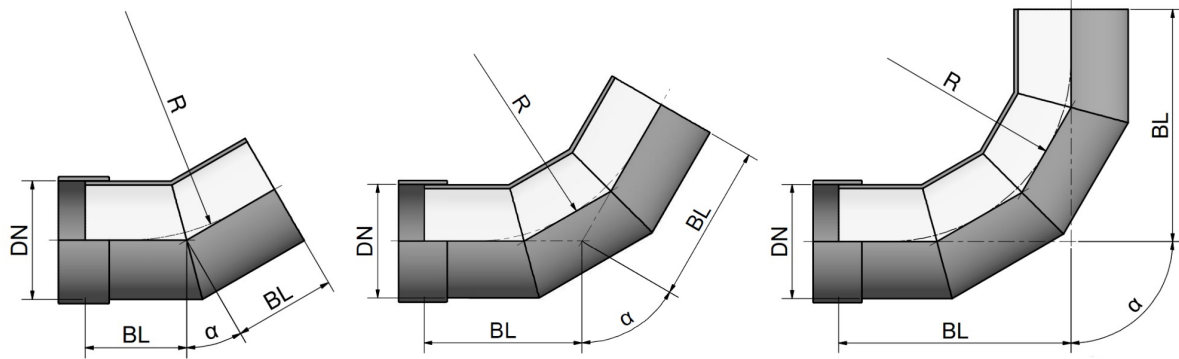


Angle $\alpha^*$ :		11.25°		15°		22.5°		30°		45°		60°		90°	
Segments:		2		2		2		2		3		3		4	
DN	$d_e$ [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]
200	220	300	250	300	250	300	250	300	300	300	350	300	400	300	500
250	272	375	300	375	300	375	300	375	300	375	400	375	450	375	600
300	324	450	400	450	350	450	400	450	400	450	500	450	550	450	750
350	376	525	400	525	400	525	400	525	450	525	550	525	600	525	800
400	427	600	450	600	450	600	450	600	450	600	600	600	650	600	900
450	478	675	450	675	450	675	500	675	500	675	600	675	700	675	1000
500	530	750	450	750	450	750	500	750	500	750	650	750	750	750	1050
600	617	900	400	900	400	900	400	900	450	900	600	900	700	900	1100
700	719	1050	400	1050	400	1050	450	1050	450	1050	650	1050	800	1050	1200
800	821	1200	450	1200	450	1200	450	1200	500	1200	700	1200	850	1200	1350
900	923	1350	450	1350	450	1350	500	1350	550	1350	800	1350	950	1350	1500
1000	1025	1500	450	1500	500	1500	500	1500	550	1500	850	1500	1000	1500	1650
1100	1127	1650	500	1650	500	1650	550	1650	600	1650	900	1650	1100	1650	1800
1200	1229	1800	500	1800	550	1800	600	1800	600	1800	950	1800	1200	1800	1950
1300	1331	1950	600	1950	600	1950	650	1950	700	1950	1050	1950	1300	1950	2100
1400	1433	2100	600	2100	600	2100	650	2100	700	2100	1100	2100	1350	2100	2250
1500	1535	2250	650	2250	650	2250	700	2250	750	2250	1200	2250	1450	2250	2400
1600	1637	2400	650	2400	700	2400	750	2400	800	2400	1250	2400	1550	2400	2550
1700	1739	2550	650	2550	700	2550	750	2550	800	2550	1300	2550	1600	2550	2700
1800	1841	2700	700	2700	750	2700	800	2700	850	2700	1350	2700	1700	2700	2850
1900	1943	2850	700	2850	750	2850	800	2850	850	2850	1400	2850	1750	2850	2950

\* For intermediate sizes, the data of the respective next higher standard class apply.  
 Sizes can be adapted to meet transport requirements. For project-related dimensions, please contact Amiblu.



# Segmented Elbow PN 10



Angle $\alpha^*$ :		11.25°		15°		22.5°		30°		45°		60°		90°	
Segments:		2		2		2		2		3		3		4	
DN	$d_e$ [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]	R [mm]	BL [mm]
2000	2045	3000	700	3000	750	3000	800	3000	900	3000	1450	3000	1800	3000	3100
2100	2147	3150	700	3150	750	3150	800	3150	900	3150	1500	3150	1850	3150	3200
2200	2249	3300	700	3300	750	3300	800	3300	900	3300	1550	3300	1950	3300	3350
2300	2351	3450	700	3450	750	3450	800	3450	950	3450	1550	3450	2000	3450	3450
2400	2453	3600	700	3600	750	3600	800	3600	1000	3600	1550	3600	2100	3600	3600
2500	2555	3750	700	3750	750	3750	800	3750	1000	3750	1600	3750	2200	3750	3750
2600	2657	3900	700	3900	800	3900	900	3900	1000	3900	1700	3900	2200	3900	3800
2700	2759	4050	800	4050	800	4050	900	4050	1000	4050	1800	4050	2200	4050	4000
2800	2861	4200	800	4200	800	4200	900	4200	1000	4200	1800	4200	2300	4200	4100
2900	2963	4350	800	4350	800	4350	900	4350	1000	4350	1900	4350	2400	4350	4200
3000	3065	4500	800	4500	900	4500	1000	4500	1100	4500	1900	4500	2500	4500	4400
3100	3167	4650	800	4650	800	4650	1000	4650	1100	4650	2000	4650	2500	4650	4500
3200	3269	4800	800	4800	900	4800	1000	4800	1100	4800	2000	4800	2600	4800	4600
3300	3371	4950	800	4950	900	4950	1000	4950	1100	4950	2100	4950	2600	4950	4700
3400	3473	5100	800	5100	900	5100	1000	5100	1100	5100	2100	5100	2700	5100	4900

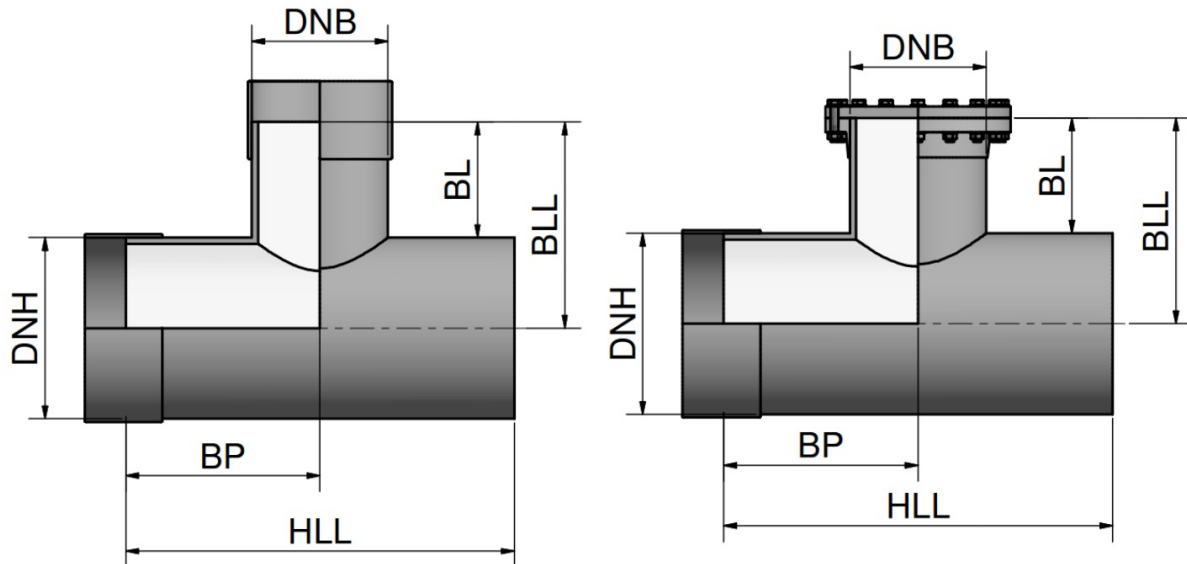
\* For intermediate sizes, the data of the respective next higher standard class apply.

Sizes can be adapted to meet transport requirements. For project-related dimensions, please contact Amiblu.

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# T-Piece Concentric PN 6



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
300	324	200	220	820	237	400	410
		250	272	900	257	420	450
		300	324	1000	337	500	500
350	376	200	220	820	231	420	410
		250	272	900	271	460	450
		300	324	1020	351	540	510
		350	376	1100	371	560	550
400	427	200	220	820	226	440	410
		250	272	920	266	480	460
		300	324	1020	346	560	510
		350	376	1100	366	580	550
		400	427	1180	386	600	590
450	478	200	220	840	240	480	420
		300	324	1020	340	580	510
		350	376	1100	360	600	550
		400	427	1180	380	620	590
		450	478	1260	400	640	630
500	530	200	220	840	234	500	420
		300	324	1020	354	620	510
		400	427	1180	374	640	590
		450	478	1280	414	680	640
		500	530	1360	414	680	680

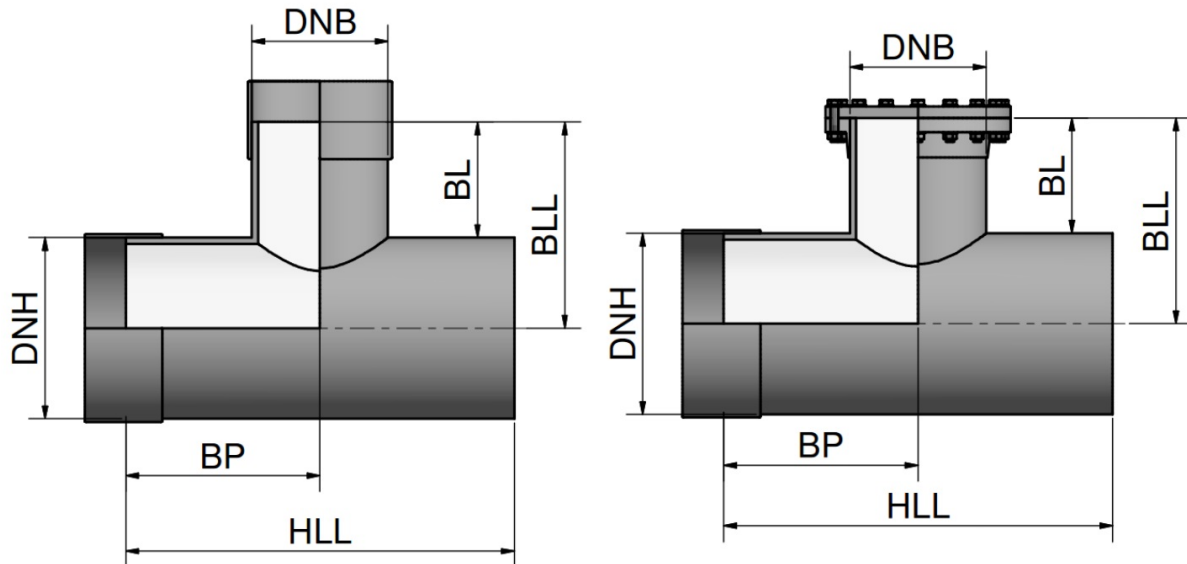
Table contains selected branch sizes. For our full portfolio, please visit [www.amiblu.com/amiblu-products](http://www.amiblu.com/amiblu-products).

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# T-Piece Concentric PN 6



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
600	617	200	220	900	231	540	450
		300	324	1080	351	660	540
		400	427	1260	391	700	630
		450	478	1340	411	720	670
		600	617	1560	491	800	780
700	719	200	220	920	240	600	460
		350	376	1160	360	720	580
		450	478	1340	400	760	670
		500	530	1440	420	780	720
		700	719	1760	520	880	880
800	821	200	220	920	249	660	460
		350	376	1160	369	780	580
		450	478	1360	409	820	680
		600	617	1600	489	900	800
		800	821	1940	569	980	970
900	923	200	220	940	238	700	470
		350	376	1180	358	820	590
		500	530	1440	418	880	720
		700	719	1800	538	1000	900
		900	923	2120	598	1060	1060

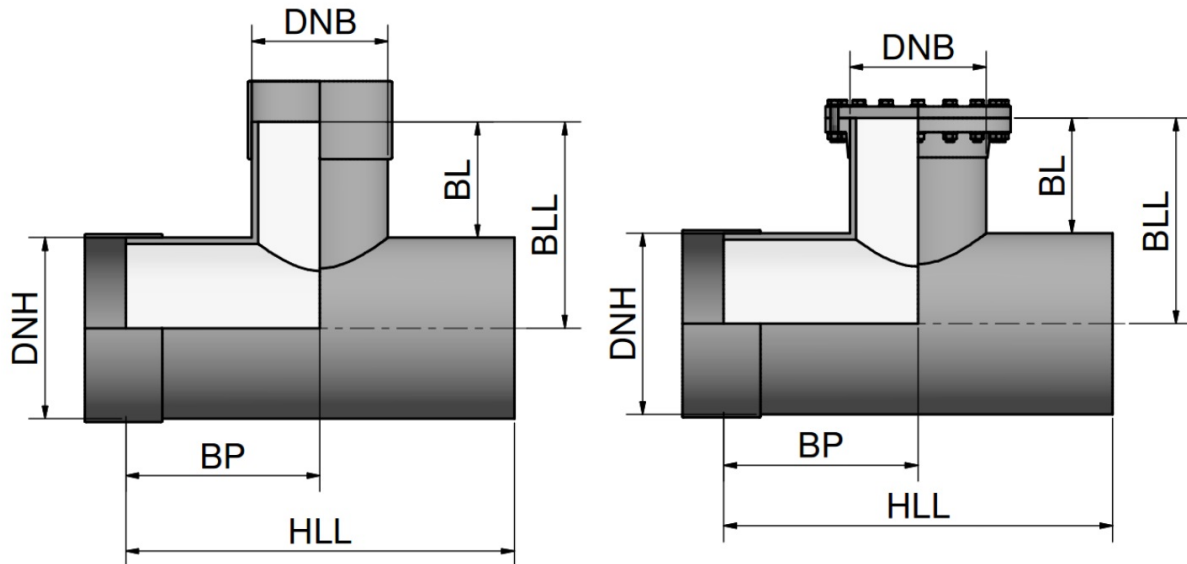
Table contains selected branch sizes. For our full portfolio, please visit [www.amiblu.com/amiblu-products](http://www.amiblu.com/amiblu-products).

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# T-Piece Concentric PN 6



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
1000	1025	200	220	950	237	750	475
		350	376	1200	387	900	600
		500	530	1450	437	950	725
		700	719	1800	537	1050	900
		1000	1025	2300	637	1150	1150
1100	1127	200	220	950	236	800	475
		400	427	1300	386	950	650
		600	617	1600	486	1050	800
		800	821	2000	586	1150	1000
		1100	1127	2500	686	1250	1250
1200	1229	200	220	950	285	900	475
		400	427	1300	385	1000	650
		600	617	1650	485	1100	825
		900	923	2150	635	1250	1075
		1200	1229	2700	735	1350	1350
1300	1331	200	220	1000	284	950	500
		400	427	1300	384	1050	650
		700	719	1800	534	1200	900
		1000	1025	2350	684	1350	1175
		1300	1331	2850	784	1450	1425

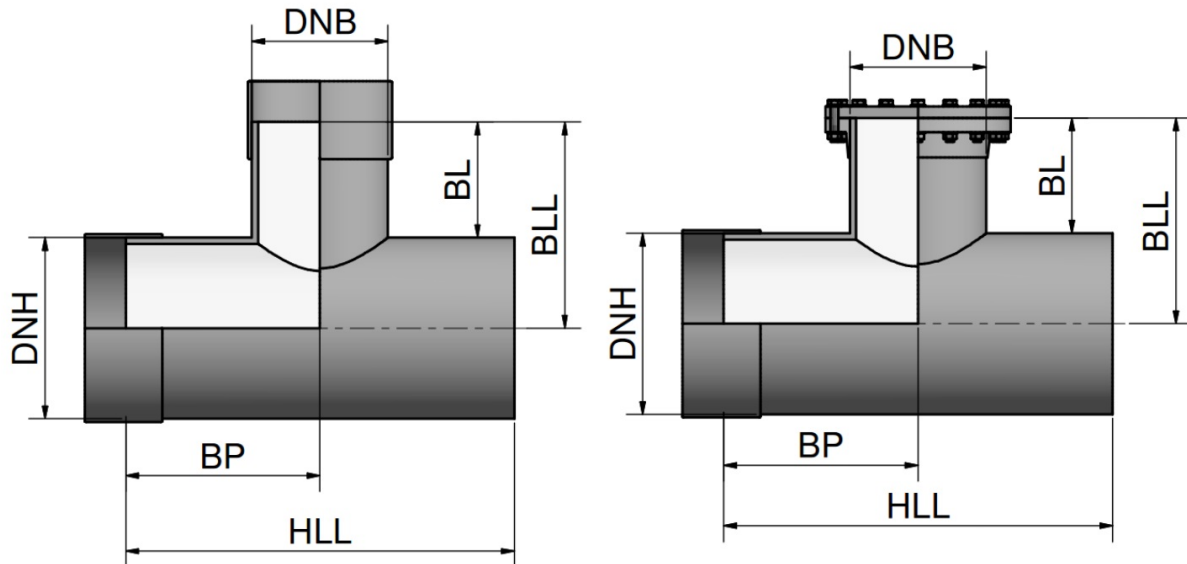
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# T-Piece Concentric PN 6



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
1400	1433	200	220	1000	283	1000	500
		400	427	1300	383	1100	650
		700	719	1800	533	1250	900
		1000	1025	2350	683	1400	1175
		1400	1433	3050	833	1550	1525
1500	1535	200	220	1000	282	1050	500
		450	478	1400	432	1200	700
		800	821	2000	582	1350	1000
		1100	1127	2550	732	1500	1275
		1500	1535	3200	882	1650	1600
1600	1637	200	220	1050	281	1100	525
		450	478	1400	431	1250	700
		800	821	2000	581	1400	1000
		1200	1229	2700	731	1550	1350
		1600	1637	3400	881	1700	1700
1700	1739	200	220	1050	280	1150	525
		450	478	1400	430	1300	700
		900	923	2200	630	1500	1100
		1300	1331	2900	780	1650	1450
		1700	1739	3600	930	1800	1800

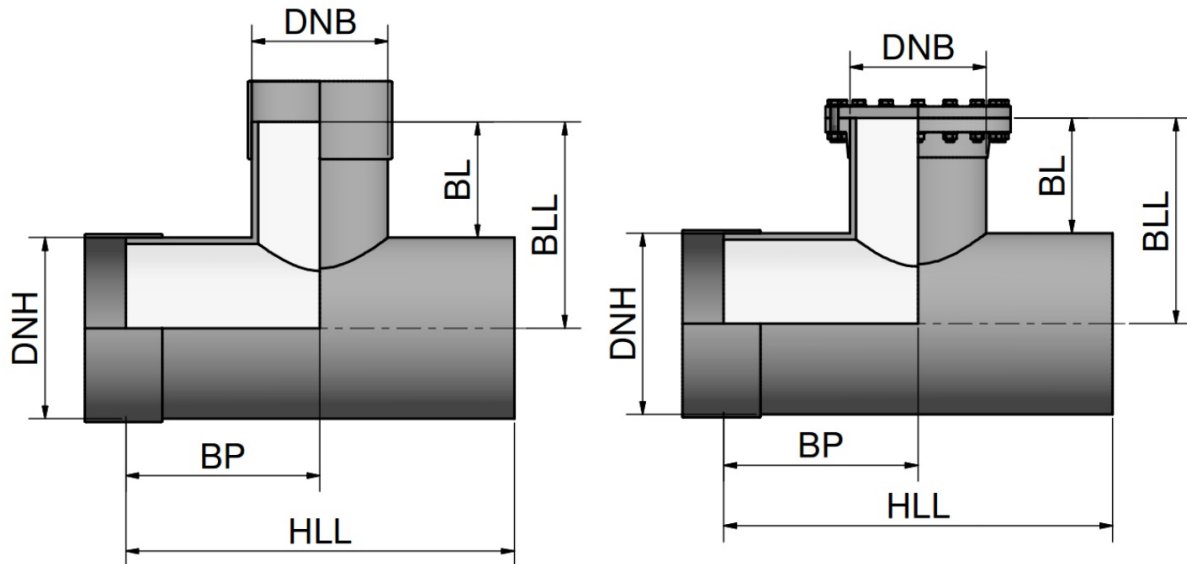
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# T-Piece Concentric PN 6



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
1800	1841	200	220	1100	279	1200	550
		450	478	1450	429	1350	725
		900	923	2200	629	1550	1100
		1300	1331	2900	779	1700	1450
		1800	1841	3750	979	1900	1875
1900	1943	200	220	1100	278	1250	550
		500	530	1500	428	1400	750
		1000	1025	2400	678	1650	1200
		1400	1433	3100	828	1800	1550
		1900	1943	3950	1028	2000	1975
2000	2045	200	220	1100	277	1300	550
		500	530	1500	477	1500	750
		1000	1025	2400	677	1700	1200
		1500	1535	3300	877	1900	1650
		2000	2045	4200	1077	2100	2100
2100	2147	200	220	1200	326	1400	600
		500	530	1600	526	1600	800
		1100	1127	2600	726	1800	1300
		1600	1637	3500	926	2000	1750
		2100	2147	4300	1126	2200	2150

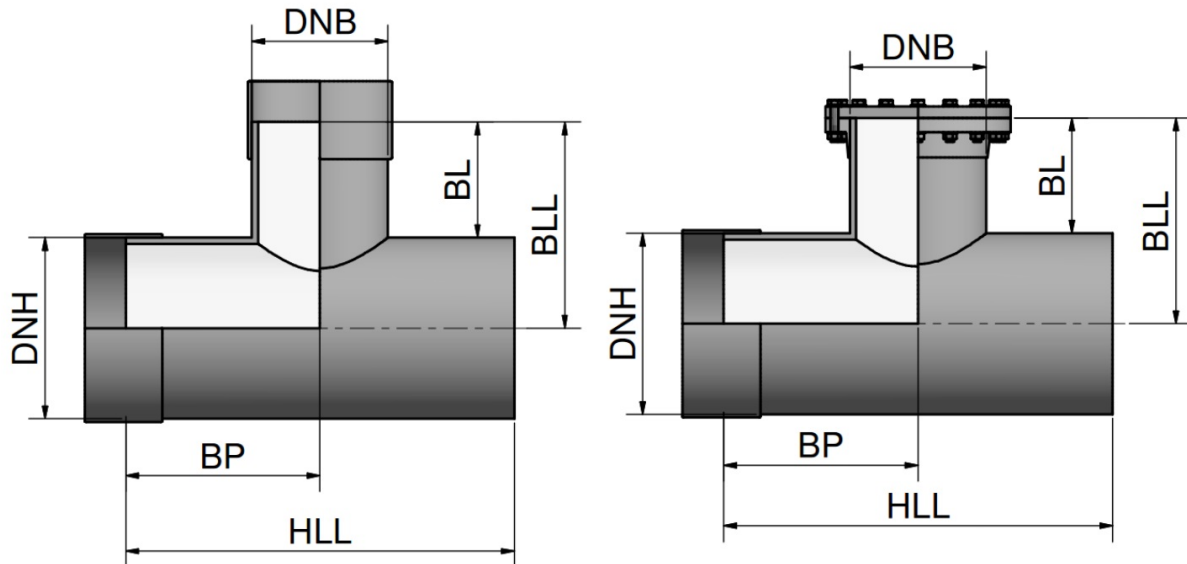
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# T-Piece Concentric PN 6



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
2200	2249	200	220	1200	275	1400	600
		500	530	1600	475	1600	800
		1100	1127	2600	775	1900	1300
		1600	1637	3500	975	2100	1750
		2200	2249	4500	1175	2300	2250
2300	2351	200	220	1200	324	1500	600
		600	617	1700	524	1700	850
		1200	1229	2800	824	2000	1400
		1700	1739	3700	1024	2200	1850
		2300	2351	4700	1224	2400	2350
2400	2453	200	220	1200	273	1500	600
		600	617	1700	573	1800	850
		1200	1229	2800	773	2000	1400
		1800	1841	3900	1073	2300	1950
		2400	2453	4900	1273	2500	2450
2500	2555	200	220	1200	322	1600	600
		600	617	1700	522	1800	850
		1300	1331	3000	822	2100	1500
		1900	1943	4000	1022	2300	2000
		2500	2555	5100	1322	2600	2550

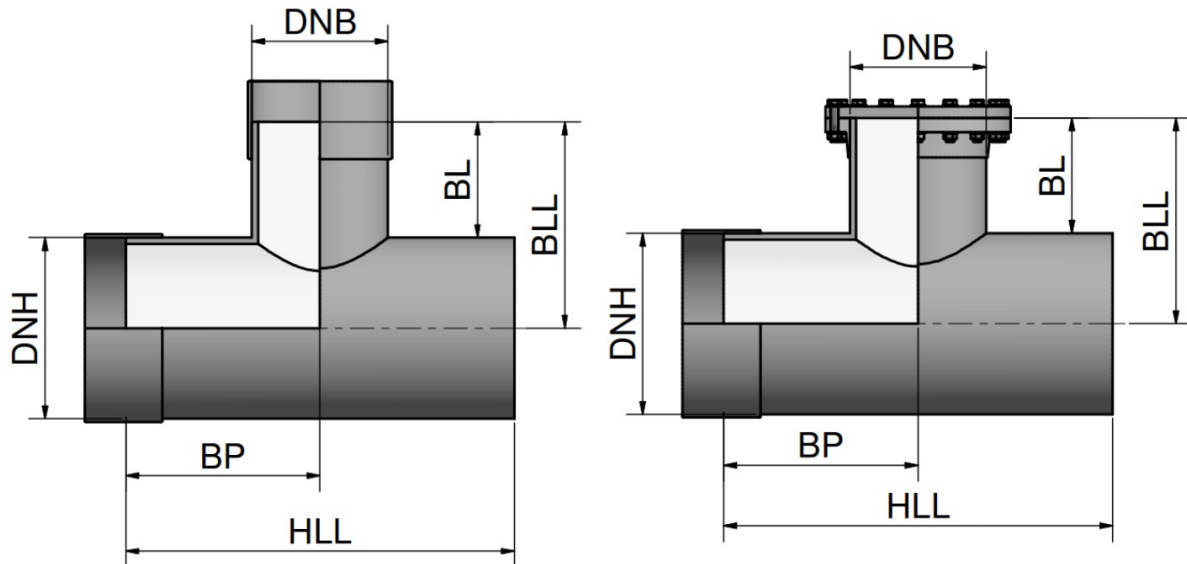
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# T-Piece Concentric PN 6



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
2600	2657	200	220	1300	271	1600	650
		600	617	1800	571	1900	900
		1300	1331	3000	771	2100	1500
		1900	1943	4100	1071	2400	2050
		2600	2657	5300	1371	2700	2650
2700	2759	200	220	1300	320	1700	650
		700	719	2000	620	2000	1000
		1400	1433	3200	820	2200	1600
		2000	2045	4300	1120	2500	2150
		2700	2759	5400	1320	2700	2700
2800	2861	200	220	1300	369	1800	650
		700	719	2000	569	2000	1000
		1400	1433	3200	869	2300	1600
		2100	2147	4500	1169	2600	2250
		2800	2861	5600	1369	2800	2800
2900	2963	200	220	1400	318	1800	700
		700	719	2000	618	2100	1000
		1500	1535	3400	918	2400	1700
		2200	2249	4600	1218	2700	2300
		2900	2963	5800	1418	2900	2900

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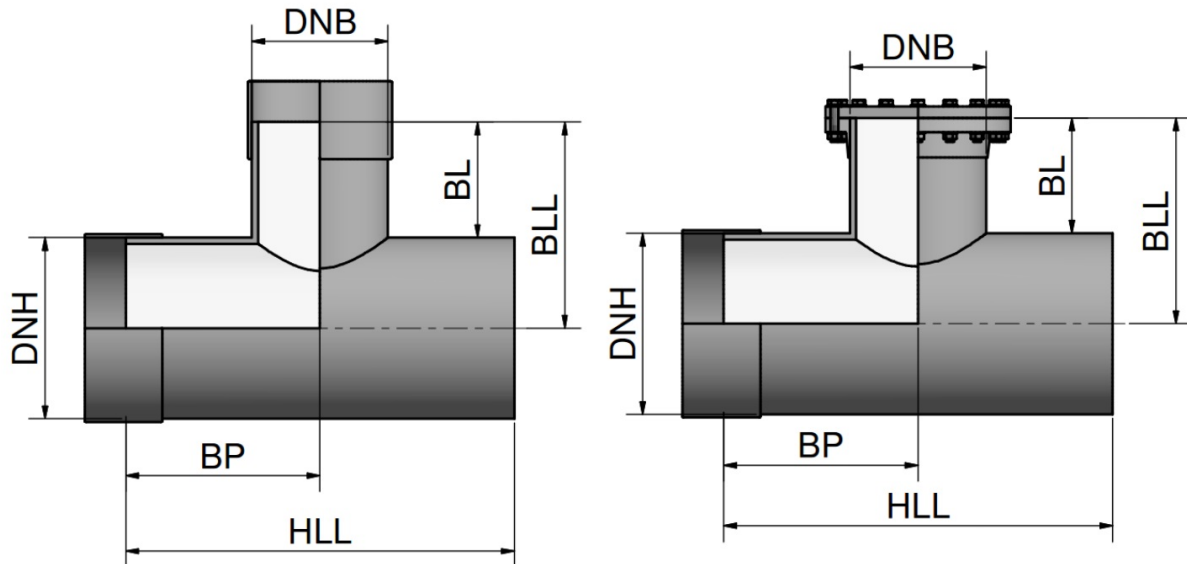
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# T-Piece Concentric PN 6



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
3000	3065	200	220	1400	367	1900	700
		700	719	2000	567	2100	1000
		1500	1535	3400	867	2400	1700
		2200	2249	4600	1167	2700	2300
		3000	3065	6000	1467	3000	3000
3100	3167	200	220	1400	316	1900	700
		800	821	2200	616	2200	1100
		1600	1637	3600	916	2500	1800
		2300	2351	4800	1216	2800	2400
		3100	3167	6200	1516	3100	3100
3200	3269	200	220	1400	365	2000	700
		800	821	2200	665	2300	1100
		1600	1637	3600	965	2600	1800
		2400	2453	5000	1265	2900	2500
		3200	3269	6400	1565	3200	3200
3300	3371	200	220	1500	314	2000	750
		800	821	2200	614	2300	1100
		1700	1739	3800	1014	2700	1900
		2500	2555	5200	1314	3000	2600
		3300	3371	6600	1614	3300	3300

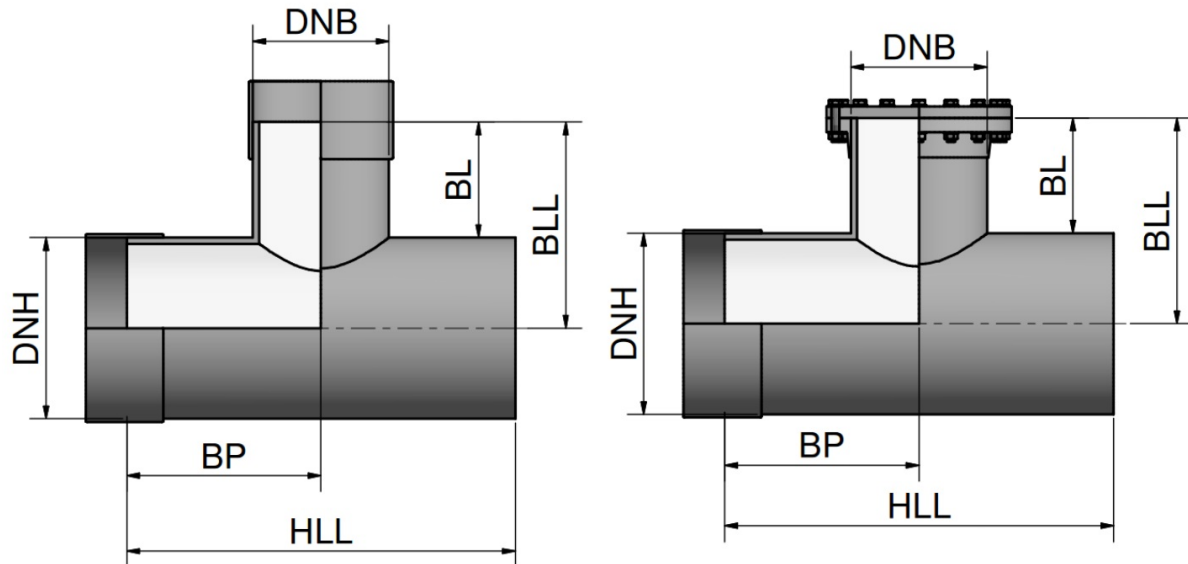
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# T-Piece Concentric PN 10



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
300	324	200	220	860	257	420	430
		250	272	940	277	440	470
		300	324	1040	357	520	520
350	376	200	220	860	251	440	430
		250	272	940	271	460	470
		300	324	1040	371	560	520
		350	376	1120	391	580	560
400	427	200	220	860	246	460	430
		250	272	940	286	500	470
		300	324	1040	366	580	520
		350	376	1140	386	600	570
		400	427	1220	406	620	610
450	478	200	220	860	260	500	430
		300	324	1060	360	600	530
		350	376	1140	380	620	570
		400	427	1240	400	640	620
		450	478	1320	420	660	660
500	530	200	220	860	254	520	430
		300	324	1060	374	640	530
		400	427	1240	414	680	620
		450	478	1320	434	700	660
		500	530	1400	454	720	700

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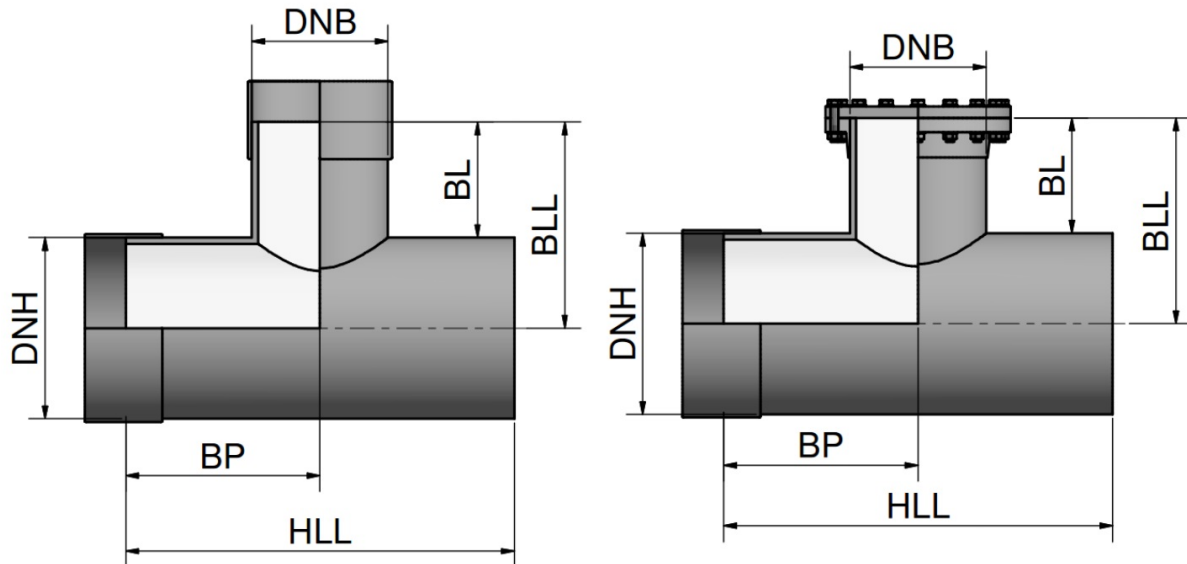
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Publication: 05/2020

# T-Piece Concentric PN 10



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
600	617	200	220	940	251	560	470
		300	324	1120	371	680	560
		400	427	1320	411	720	660
		450	478	1400	431	740	700
		600	617	1640	511	820	820
700	719	200	220	940	260	620	470
		350	376	1220	400	760	610
		450	478	1400	440	800	700
		500	530	1500	460	820	750
		700	719	1840	560	920	920
800	821	200	220	960	249	660	480
		350	376	1220	389	800	610
		450	478	1420	449	860	710
		600	617	1660	529	940	830
		800	821	2020	609	1020	1010
900	923	200	220	960	258	720	480
		350	376	1240	398	860	620
		500	530	1500	458	920	750
		700	719	1860	578	1040	930
		900	923	2220	658	1120	1110

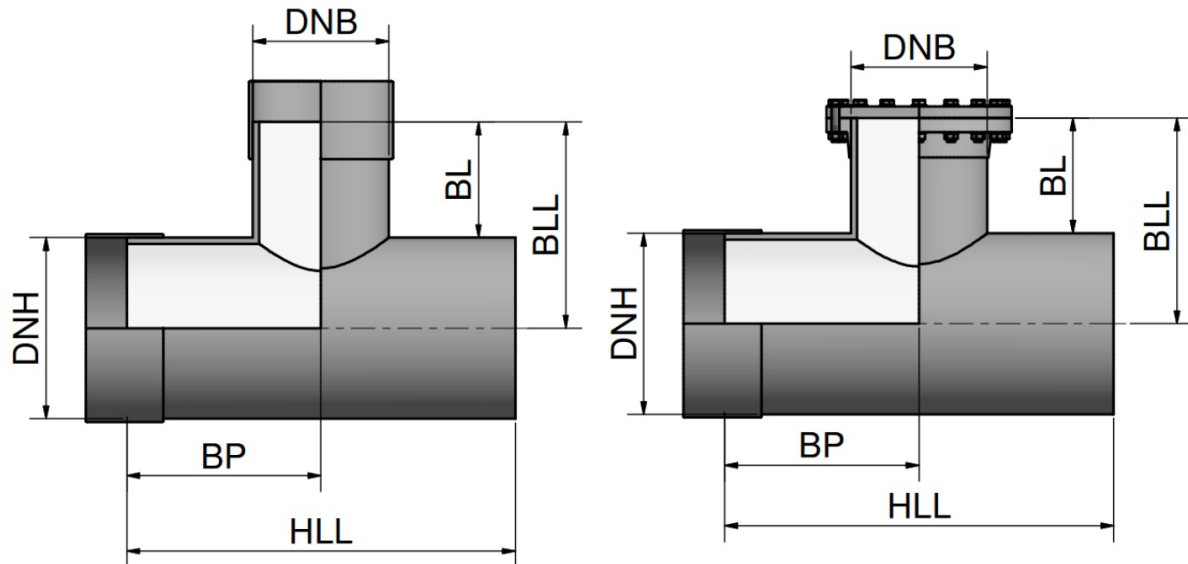
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DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
1000	1025	200	220	1000	287	800	500
		350	376	1250	437	950	625
		500	530	1550	487	1000	775
		700	719	1900	587	1100	950
		1000	1025	2450	737	1250	1225
1100	1127	200	220	1000	286	850	500
		400	427	1350	436	1000	675
		600	617	1700	536	1100	850
		800	821	2100	636	1200	1050
		1100	1127	2600	736	1300	1300
1200	1229	200	220	1000	285	900	500
		400	427	1350	435	1050	675
		600	617	1700	535	1150	850
		900	923	2300	685	1300	1150
		1200	1229	2800	785	1400	1400
1300	1331	200	220	1000	284	950	500
		400	427	1350	434	1100	675
		700	719	1900	584	1250	950
		1000	1025	2450	734	1400	1225
		1300	1331	3000	834	1500	1500

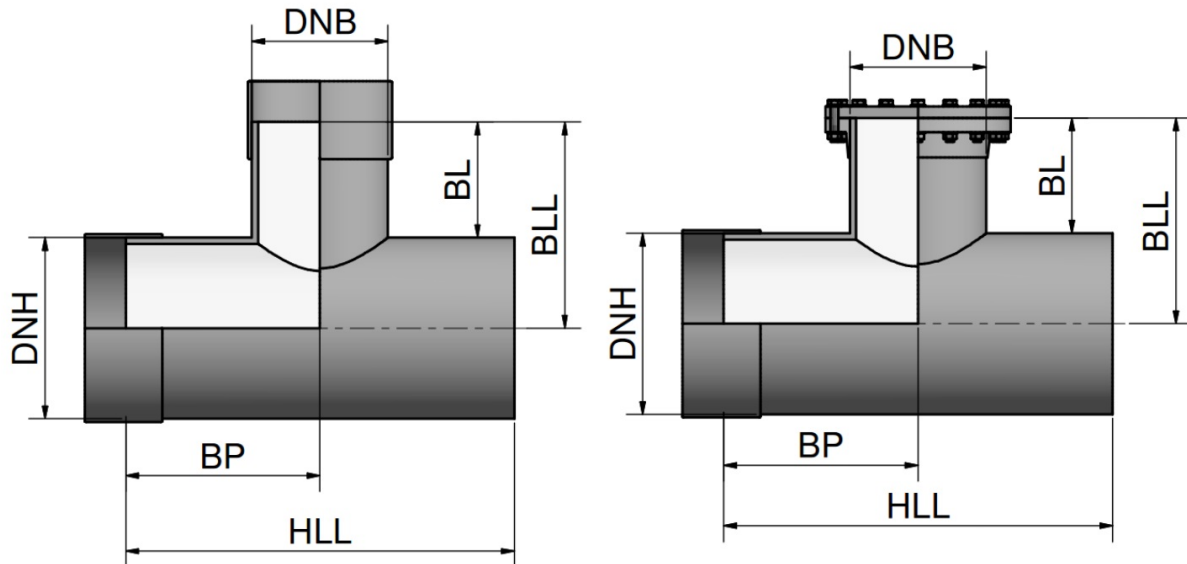
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1400	1433	200	220	1050	283	1000	525
		400	427	1400	433	1150	700
		700	719	1950	583	1300	975
		1000	1025	2500	733	1450	1250
		1400	1433	3200	883	1600	1600
1500	1535	200	220	1050	282	1050	525
		450	478	1500	482	1250	750
		800	821	2100	632	1400	1050
		1100	1127	2700	782	1550	1350
		1500	1535	3400	932	1700	1700
1600	1637	200	220	1050	281	1100	525
		450	478	1500	481	1300	750
		800	821	2100	631	1450	1050
		1200	1229	2900	831	1650	1450
		1600	1637	3600	981	1800	1800
1700	1739	200	220	1100	280	1150	550
		450	478	1500	480	1350	750
		900	923	2300	680	1550	1150
		1300	1331	3050	880	1750	1525
		1700	1739	3800	1030	1900	1900

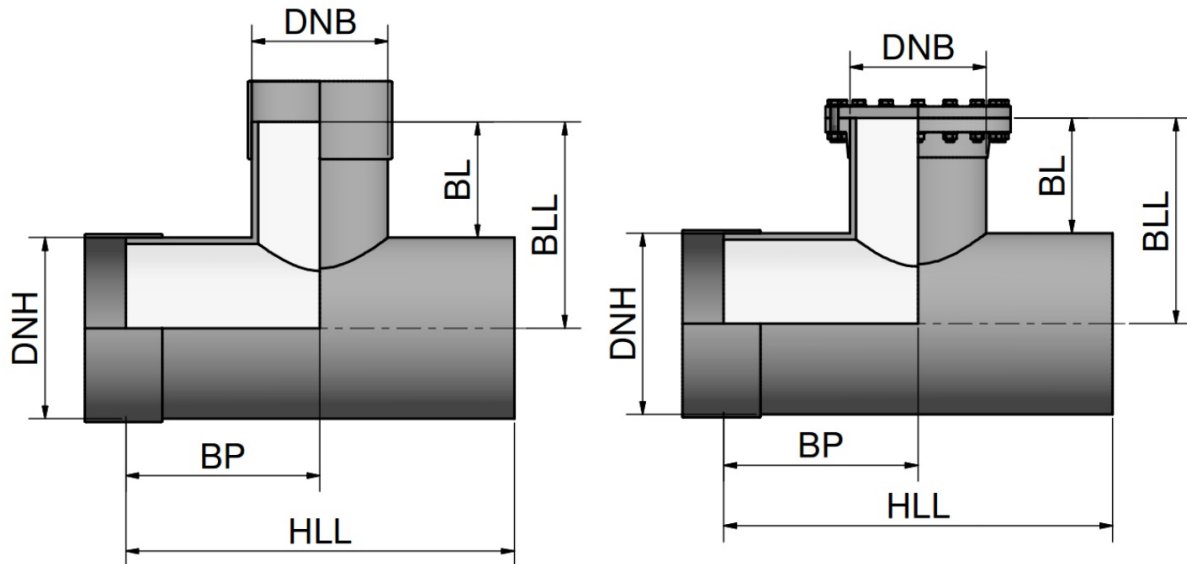
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1800	1841	200	220	1100	279	1200	550
		450	478	1500	479	1400	750
		900	923	2300	679	1600	1150
		1300	1331	3100	879	1800	1550
		1800	1841	3950	1079	2000	1975
1900	1943	200	220	1150	278	1250	575
		500	530	1600	478	1450	800
		1000	1025	2500	728	1700	1250
		1400	1433	3300	928	1900	1650
		1900	1943	4150	1128	2100	2075
2000	2045	200	220	1200	377	1400	600
		500	530	1600	477	1500	800
		1000	1025	2500	777	1800	1250
		1500	1535	3500	977	2000	1750
		2000	2045	4400	1177	2200	2200
2100	2147	200	220	1200	326	1400	600
		500	530	1600	526	1600	800
		1100	1127	2700	826	1900	1350
		1600	1637	3700	1026	2100	1850
		2100	2147	4600	1226	2300	2300

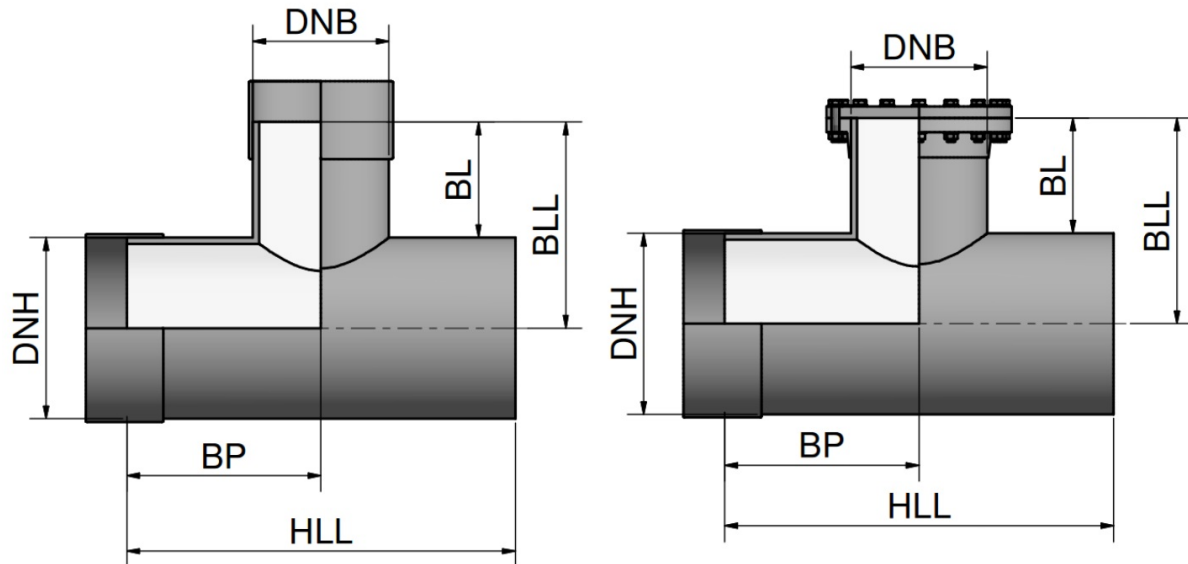
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2200	2249	200	220	1200	375	1500	600
		500	530	1600	475	1600	800
		1100	1127	2800	775	1900	1400
		1600	1637	3700	1075	2200	1850
		2200	2249	4800	1275	2400	2400
2300	2351	200	220	1300	324	1500	650
		600	617	1800	624	1800	900
		1200	1229	2900	824	2000	1450
		1700	1739	3900	1124	2300	1950
		2300	2351	5000	1324	2500	2500
2400	2453	200	220	1300	373	1600	650
		600	617	1800	573	1800	900
		1200	1229	2900	873	2100	1450
		1800	1841	4100	1173	2400	2050
		2400	2453	5100	1373	2600	2550
2500	2555	200	220	1300	322	1600	650
		600	617	1800	622	1900	900
		1300	1331	3100	922	2200	1550
		1900	1943	4300	1222	2500	2150
		2500	2555	5300	1422	2700	2650

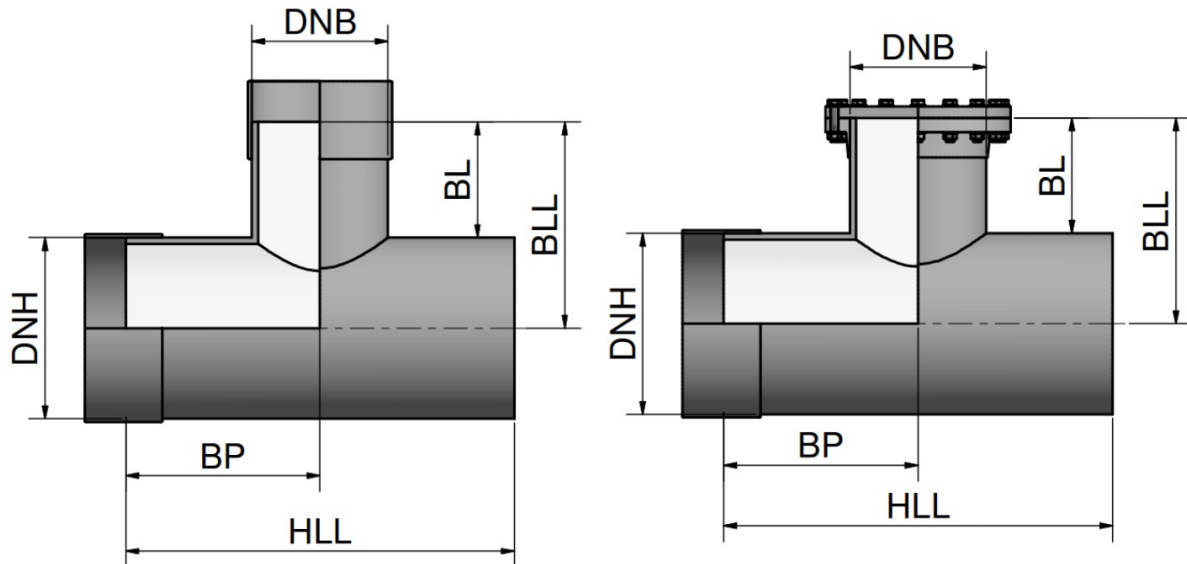
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# T-Piece Concentric PN 10



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
2600	2657	200	220	1300	371	1700	650
		600	617	1900	571	1900	950
		1300	1331	3200	871	2200	1600
		1900	1943	4300	1171	2500	2150
		2600	2657	5600	1471	2800	2800
2700	2759	200	220	1400	320	1700	700
		700	719	2100	620	2000	1050
		1400	1433	3400	920	2300	1700
		2000	2045	4500	1220	2600	2250
		2700	2759	5800	1520	2900	2900
2800	2861	200	220	1400	369	1800	700
		700	719	2100	669	2100	1050
		1400	1433	3400	969	2400	1700
		2100	2147	4700	1269	2700	2350
		2800	2861	5900	1569	3000	2950
2900	2963	200	220	1400	318	1800	700
		700	719	2100	618	2100	1050
		1500	1535	3600	1018	2500	1800
		2200	2249	4900	1318	2800	2450
		2900	2963	6100	1618	3100	3050

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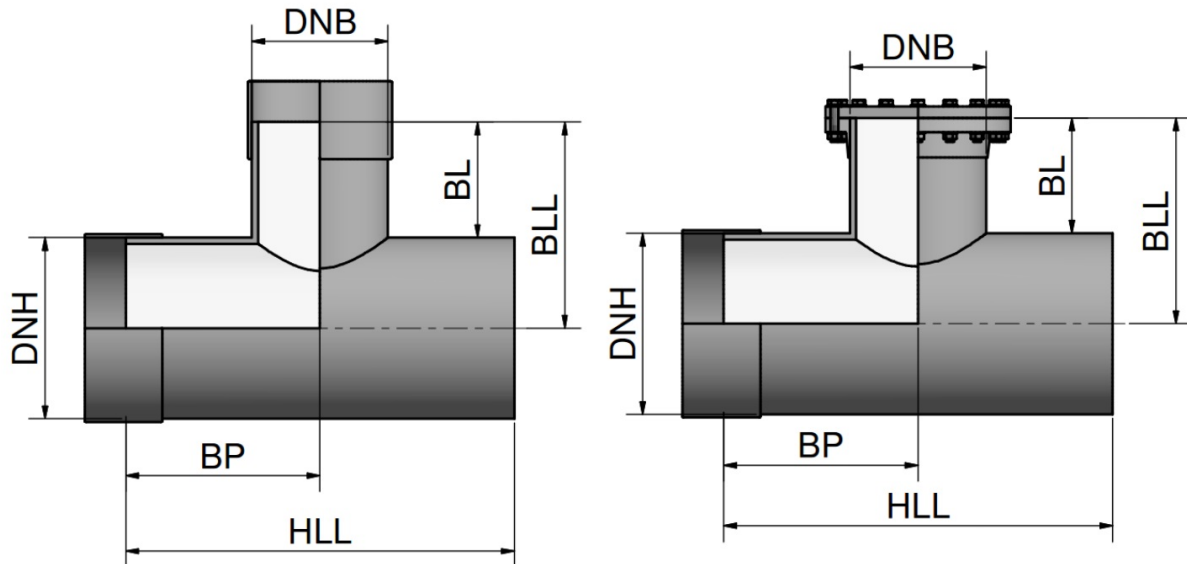
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# T-Piece Concentric PN 10



DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
3000	3065	200	220	1400	367	1900	700
		700	719	2100	667	2200	1050
		1500	1535	3600	967	2500	1800
		2200	2249	4900	1367	2900	2450
		3000	3065	6300	1667	3200	3150
3100	3167	200	220	1500	416	2000	750
		800	821	2300	716	2300	1150
		1600	1637	3800	1016	2600	1900
		2300	2351	5100	1416	3000	2550
		3100	3167	6600	1716	3300	3300
3200	3269	200	220	1500	365	2000	750
		800	821	2300	665	2300	1150
		1600	1637	3800	1065	2700	1900
		2400	2453	5300	1465	3100	2650
		3200	3269	6800	1765	3400	3400
3300	3371	200	220	1500	414	2100	750
		800	821	2300	714	2400	1150
		1700	1739	4000	1114	2800	2000
		2500	2555	5500	1514	3200	2750
		3300	3371	6900	1814	3500	3450

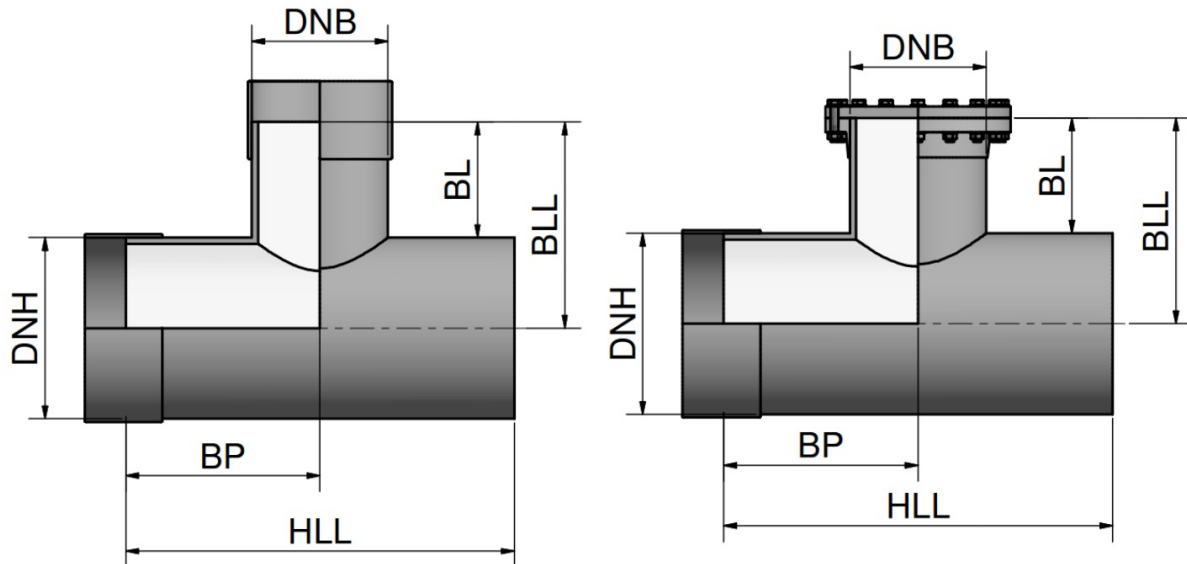
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# T-Piece Concentric PN 10



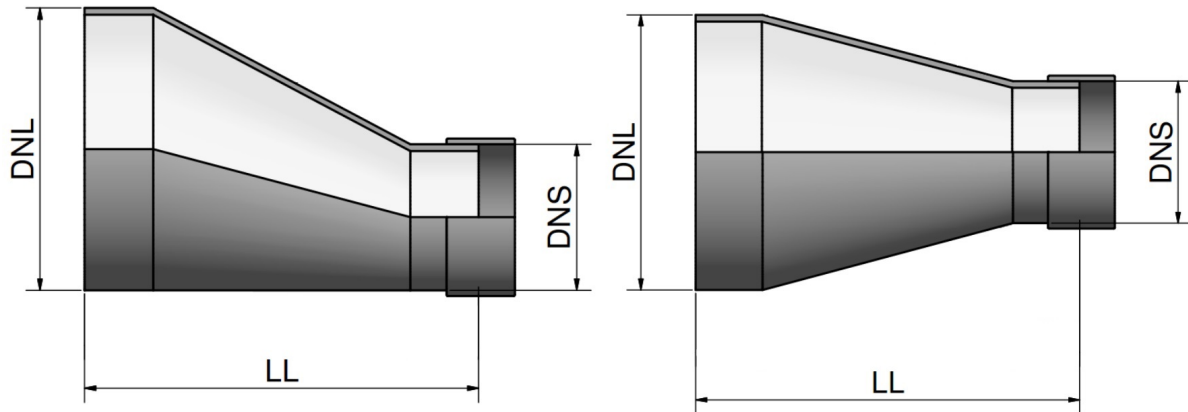
DN <sub>H</sub>	d <sub>eH</sub> [mm]	DN <sub>B</sub>	d <sub>eB</sub> [mm]	HLL [mm]	BL [mm]	BLL [mm]	BP [mm]
3400	3473	200	220	1500	363	2100	750
		800	821	2300	663	2400	1150
		1700	1739	4000	1063	2800	2000
		2500	2555	5500	1463	3200	2750
		3400	3473	7100	1863	3600	3550

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# Reducer PN 6



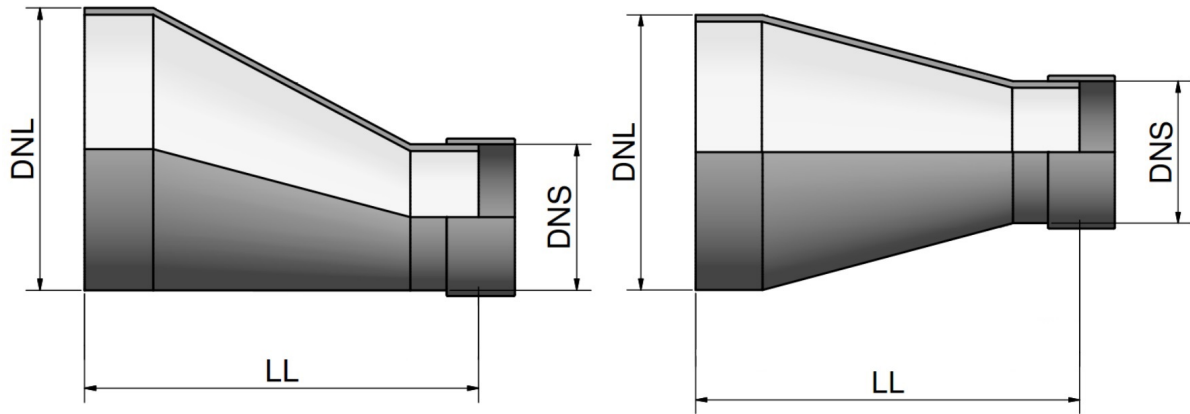
DN <sub>L</sub>	d <sub>eL</sub> [mm]	DN <sub>S</sub>	d <sub>eS</sub> [mm]	LL [mm]	DN <sub>S</sub>	d <sub>eS</sub> [mm]	LL [mm]
200	220	150	168	725	100	116	850
250	272	200	220	725	150	168	850
350	376	300	324	925	-	-	-
400	427	350	376	925	300	324	1050
450	478	400	427	925	350	376	1050
500	530	450	478	925	400	427	1050
600	617	500	530	1050	450	478	1175
700	719	600	617	1050	500	530	1300
800	821	700	719	1050	600	617	1300
900	923	800	821	1050	700	719	1300
1000	1025	900	923	1050	800	821	1300
1100	1127	1000	1025	1250	900	923	1500
1200	1229	1100	1127	1250	1000	1025	1500
1300	1331	1200	1229	1250	1100	1127	1500
1400	1433	1300	1331	1250	1200	1229	1500
1500	1535	1400	1433	1450	1300	1331	1700
1600	1637	1500	1535	1450	1400	1433	1700
1700	1739	1600	1637	1450	1500	1535	1700
1800	1841	1700	1739	1450	1600	1637	1700
1900	1943	1800	1841	1450	1700	1739	1700
2000	2045	1900	1943	1450	1800	1841	1700

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# Reducer PN 6



DN <sub>L</sub>	d <sub>eL</sub> [mm]	DN <sub>S</sub>	d <sub>eS</sub> [mm]	LL [mm]	DN <sub>S</sub>	d <sub>eS</sub> [mm]	LL [mm]
2100	2147	2000	2045	1450	1900	1943	1700
2200	2249	2100	2147	1450	2000	2045	1700
2300	2351	2200	2249	1450	2100	2147	1700
2400	2453	2300	2351	1450	2200	2249	1700
2500	2555	2400	2453	1450	2300	2351	1700
2600	2657	2500	2555	1450	2400	2453	1700
2700	2759	2600	2657	1450	2500	2555	1700
2800	2861	2700	2759	1450	2600	2657	1700
2900	2963	2800	2861	1450	2700	2759	1700
3000	3065	2900	2963	1450	2800	2861	1700
3100	3167	3000	3065	1450	2900	2963	1700
3200	3269	3100	3167	1450	3000	3065	1700
3300	3371	3200	3269	1650	3100	3167	1900

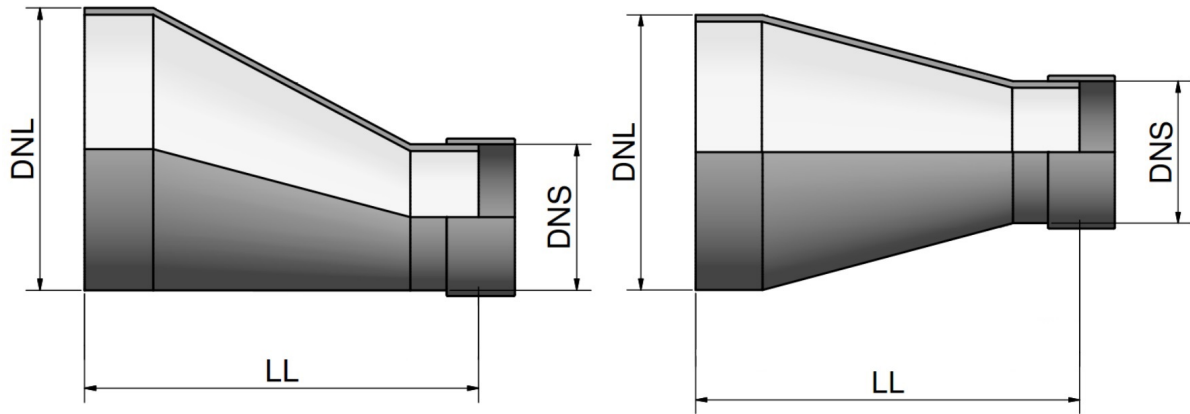
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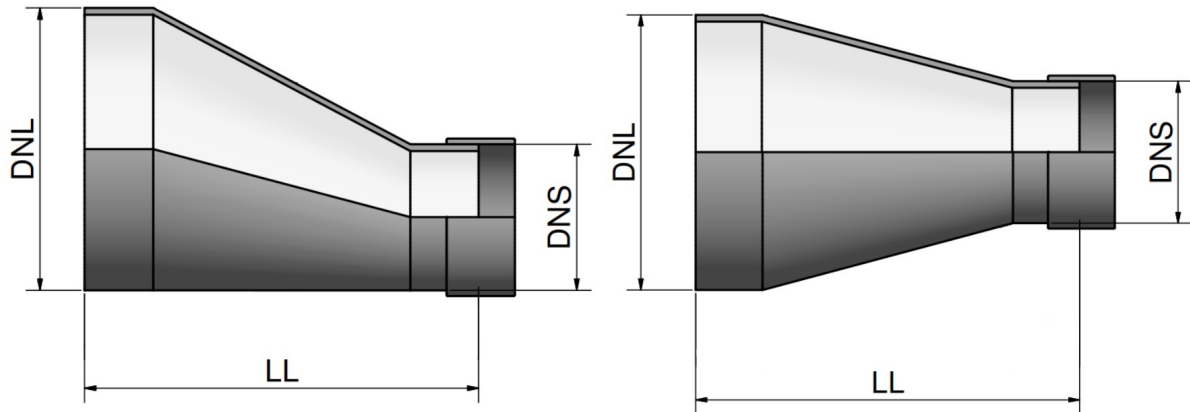
DN <sub>L</sub>	d <sub>eL</sub> [mm]	DN <sub>S</sub>	d <sub>eS</sub> [mm]	LL [mm]	DN <sub>S</sub>	d <sub>eS</sub> [mm]	LL [mm]
200	220	150	168	725	100	116	850
250	272	200	220	725	150	168	850
350	376	300	324	925	-	-	-
400	427	350	376	925	300	324	1050
450	478	400	427	925	350	376	1050
500	530	450	478	925	400	427	1050
600	617	500	530	1050	450	478	1175
700	719	600	617	1050	500	530	1300
800	821	700	719	1050	600	617	1300
900	923	800	821	1050	700	719	1300
1000	1025	900	923	1050	800	821	1300
1100	1127	1000	1025	1250	900	923	1500
1200	1229	1100	1127	1250	1000	1025	1500
1300	1331	1200	1229	1250	1100	1127	1500
1400	1433	1300	1331	1250	1200	1229	1500
1500	1535	1400	1433	1450	1300	1331	1700
1600	1637	1500	1535	1450	1400	1433	1700
1700	1739	1600	1637	1450	1500	1535	1700
1800	1841	1700	1739	1450	1600	1637	1700
1900	1943	1800	1841	1450	1700	1739	1700
2000	2045	1900	1943	1450	1800	1841	1700
2100	2147	2000	2045	1450	1900	1943	1700
2200	2249	2100	2147	1450	2000	2045	1700
2300	2351	2200	2249	1450	2100	2147	1700
2400	2453	2300	2351	1450	2200	2249	1700

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DN <sub>L</sub>	d <sub>eL</sub> [mm]	DN <sub>S</sub>	d <sub>eS</sub> [mm]	LL [mm]	DN <sub>S</sub>	d <sub>eS</sub> [mm]	LL [mm]
2500	2555	2400	2453	1450	2300	2351	1700
2600	2657	2500	2555	1450	2400	2453	1700
2700	2759	2600	2657	1450	2500	2555	1700
2800	2861	2700	2759	1450	2600	2657	1700
2900	2963	2800	2861	1450	2700	2759	1700
3000	3065	2900	2963	1450	2800	2861	1700
3100	3167	3000	3065	1450	2900	2963	1700
3200	3269	3100	3167	1450	3000	3065	1700
3300	3371	3200	3269	1650	3100	3167	1900
3400	3473	3300	3371	1650	3200	3269	1900

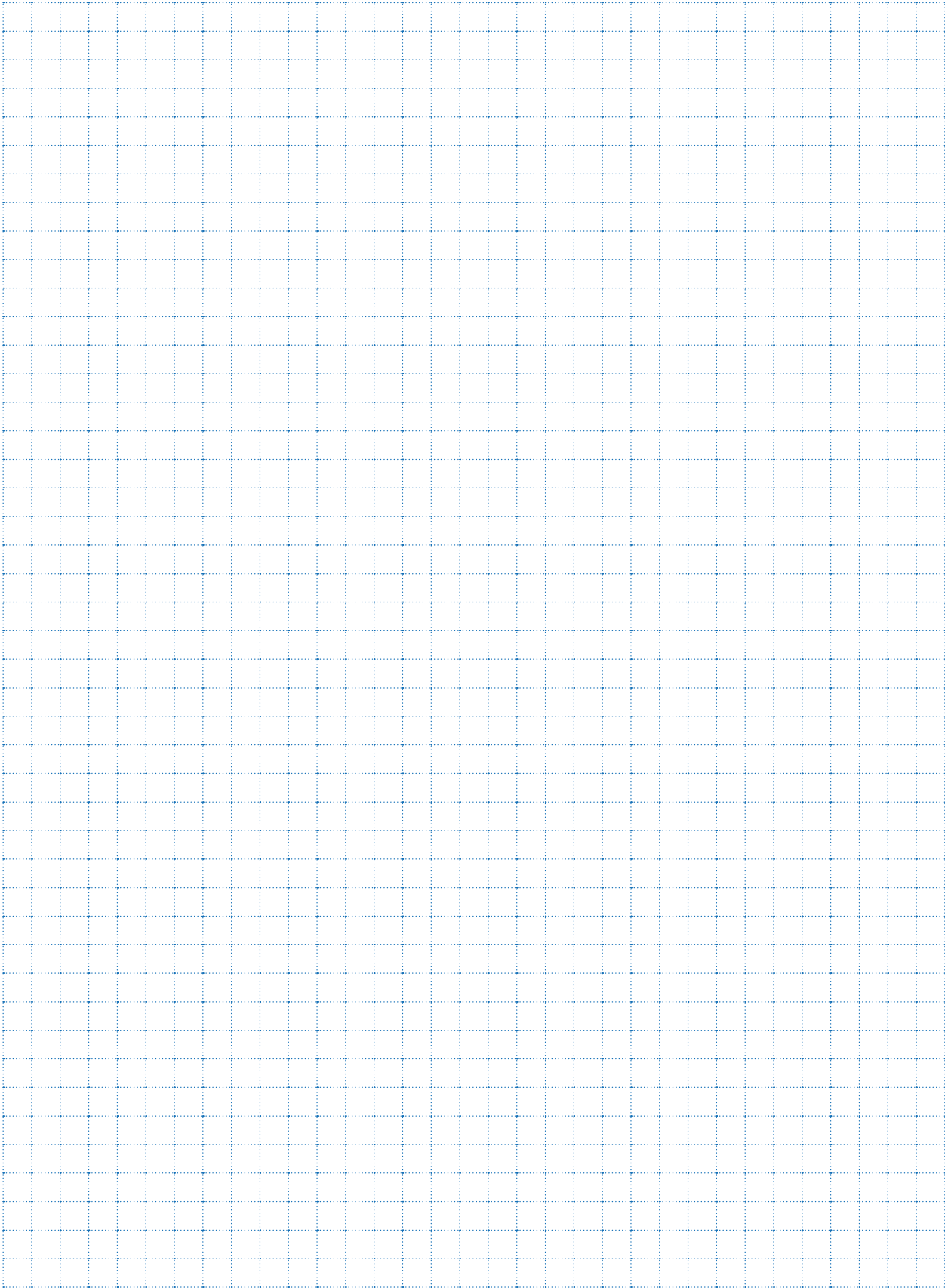
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